

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX052419\
 Data File : VX009901.D
 Acq On : 24 May 2019 20:51
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/28/2019 9:52:27 AM

Quant Time: May 25 01:51:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	168243	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	273771	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	250834	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	124102	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	114694	49.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.88%	
35) Dibromofluoromethane	5.50	113	81304	47.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.48%	
50) Toluene-d8	8.71	98	333477	47.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.98%	
62) 4-Bromofluorobenzene	11.13	95	124510	49.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	60816	39.226	ug/l	100
3) Chloromethane	1.32	50	100343	47.406	ug/l	97
4) Vinyl Chloride	1.41	62	95193	46.120	ug/l	99
5) Bromomethane	1.64	94	59270	47.843	ug/l	98
6) Chloroethane	1.71	64	63086	47.606	ug/l	100
7) Trichlorofluoromethane	1.92	101	114250	45.537	ug/l	98
8) Diethyl Ether	2.19	74	55711	46.878	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.38	101	67786	43.024	ug/l	100
10) Methyl Iodide	2.51	142	76303	42.446	ug/l	99
11) Tert butyl alcohol	3.06	59	144517	271.836	ug/l	99
12) 1,1-Dichloroethene	2.37	96	70894	44.909	ug/l	96
13) Acrolein	2.29	56	101722	211.276	ug/l	99
14) Allyl chloride	2.73	41	182410	47.415	ug/l	98
15) Acrylonitrile	3.14	53	317465	244.226	ug/l	100
16) Acetone	2.45	43	287457	233.090	ug/l	98
17) Carbon Disulfide	2.57	76	204141	46.060	ug/l	100
18) Methyl Acetate	2.78	43	142650	48.638	ug/l	97
19) Methyl tert-butyl Ether	3.20	73	289919	47.294	ug/l	100
20) Methylene Chloride	2.85	84	88982	44.562	ug/l	94
21) trans-1,2-Dichloroethene	3.17	96	79901	46.671	ug/l	98
22) Diisopropyl ether	3.86	45	358980	48.522	ug/l	94
23) Vinyl Acetate	3.82	43	1621676	255.975	ug/l	99
24) 1,1-Dichloroethane	3.70	63	168249	46.099	ug/l	99
25) 2-Butanone	4.68	43	485766	253.475	ug/l	97
26) 2,2-Dichloropropane	4.58	77	109397	40.270	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	95217	46.596	ug/l	99
28) Bromochloromethane	5.02	49	87950	60.435	ug/l	96
29) Tetrahydrofuran	5.13	42	320672	260.030	ug/l	97
30) Chloroform	5.21	83	153534	46.512	ug/l	99
31) Cyclohexane	5.58	56	158951	46.811	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	126211	45.931	ug/l	98
36) 1,1-Dichloropropene	5.80	75	117162	46.051	ug/l	99
37) Ethyl Acetate	4.84	43	182056	51.358	ug/l	98
38) Carbon Tetrachloride	5.79	117	105389	45.592	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	139095	44.517	ug/l	99
40) Benzene	6.14	78	362891	46.088	ug/l	99
41) Methacrylonitrile	5.04	41	102450	48.552	ug/l	98
42) 1,2-Dichloroethane	6.19	62	135485	47.968	ug/l	98
43) Isopropyl Acetate	6.45	43	288424	50.867	ug/l	98
44) Trichloroethene	7.21	130	89837	47.195	ug/l	96
45) 1,2-Dichloropropane	7.51	63	104852	47.028	ug/l	98
46) Dibromomethane	7.66	93	59047	45.606	ug/l	99
47) Bromodichloromethane	7.90	83	121480	47.037	ug/l	97
48) Methyl methacrylate	7.77	41	146816	52.190	ug/l	96
49) 1,4-Dioxane	7.74	88	52771	925.013	ug/l	96
51) 4-Methyl-2-Pentanone	8.64	43	973526	262.682	ug/l	98
52) Toluene	8.79	92	221672	46.314	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	141880	48.659	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	153098	47.438	ug/l	93
55) 1,1,2-Trichloroethane	9.21	97	89549	45.860	ug/l	96
56) Ethyl methacrylate	9.18	69	174043	49.932	ug/l	96
57) 1,3-Dichloropropane	9.37	76	161967	47.135	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	434625	235.045	ug/l	99
59) 2-Hexanone	9.49	43	751651	258.235	ug/l	97
60) Dibromochloromethane	9.58	129	89651	47.008	ug/l	98
61) 1,2-Dibromoethane	9.67	107	92918	47.140	ug/l	100
64) Tetrachloroethene	9.34	164	75885	44.104	ug/l	99
65) Chlorobenzene	10.14	112	231408	46.117	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	83521	45.912	ug/l	99
67) Ethyl Benzene	10.25	91	428847	46.439	ug/l	99
68) m/p-Xylenes	10.36	106	314897	93.313	ug/l	97
69) o-Xylene	10.69	106	153803	46.193	ug/l	98
70) Styrene	10.71	104	272388	47.068	ug/l	98
71) Bromoform	10.85	173	70661	47.797	ug/l #	100
73) Isopropylbenzene	11.02	105	411554	45.604	ug/l	100
74) N-amyl acetate	10.90	43	263389	50.061	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	156166	46.420	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	136739m	47.500	ug/l	
77) Bromobenzene	11.26	156	101247	45.201	ug/l	98
78) n-propylbenzene	11.36	91	478675	46.444	ug/l	100
79) 2-Chlorotoluene	11.42	91	285907	44.964	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	351397	46.244	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	51692	45.944	ug/l	96
82) 4-Chlorotoluene	11.51	91	333138	46.376	ug/l	99
83) tert-Butylbenzene	11.77	119	336590	45.535	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	353624	46.364	ug/l	99
85) sec-Butylbenzene	11.94	105	400248	45.671	ug/l	99
86) p-Isopropyltoluene	12.06	119	366045	46.461	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	182748	45.766	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	181984	45.205	ug/l	99
89) n-Butylbenzene	12.38	91	337893	47.451	ug/l	99
90) Hexachloroethane	12.60	117	62273	46.395	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	181351	44.589	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	35481	47.014	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	128389	46.162	ug/l	99
94) Hexachlorobutadiene	13.78	225	64584	45.473	ug/l	99
95) Naphthalene	13.83	128	421746	46.609	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	130468	46.278	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

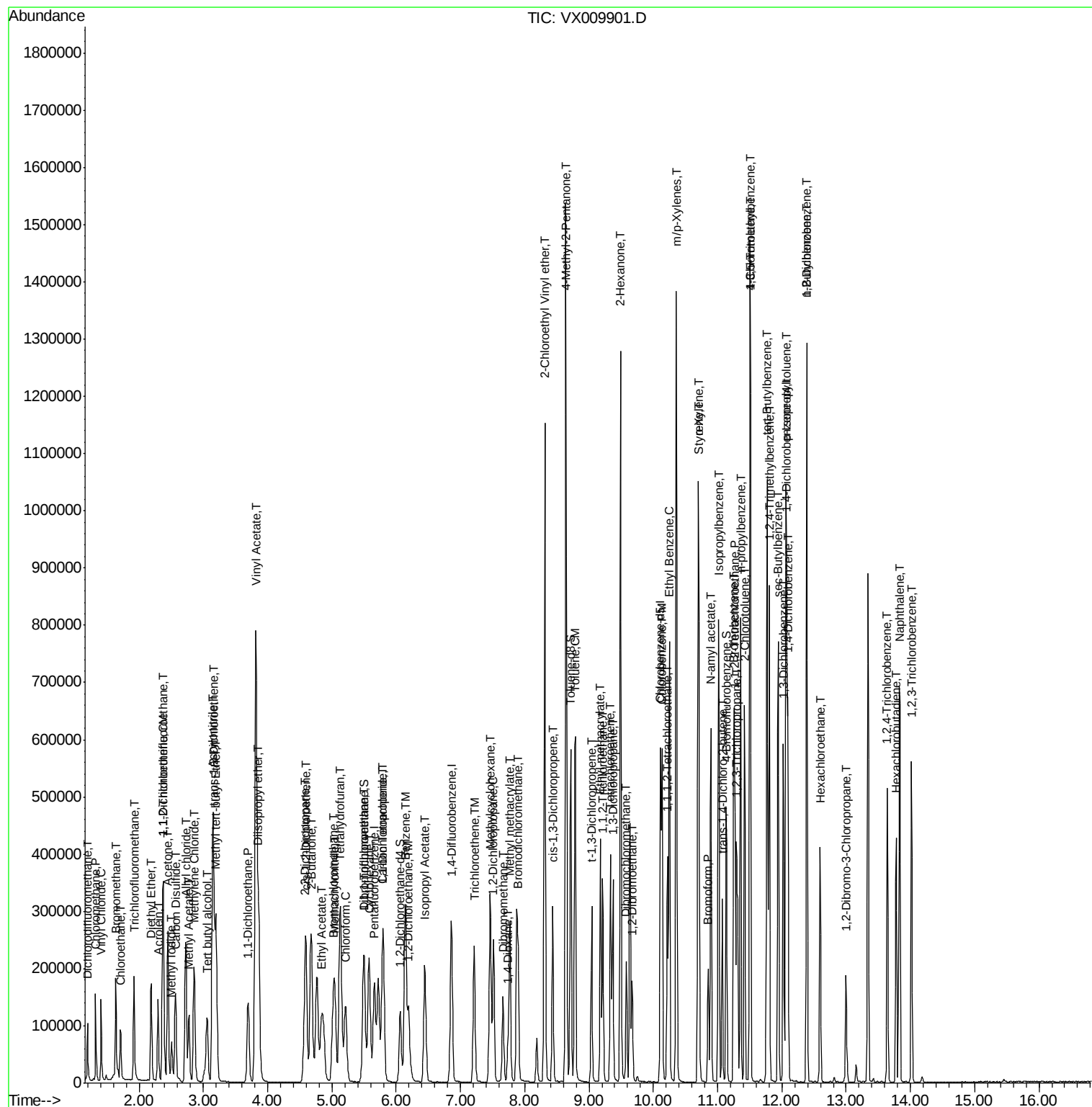
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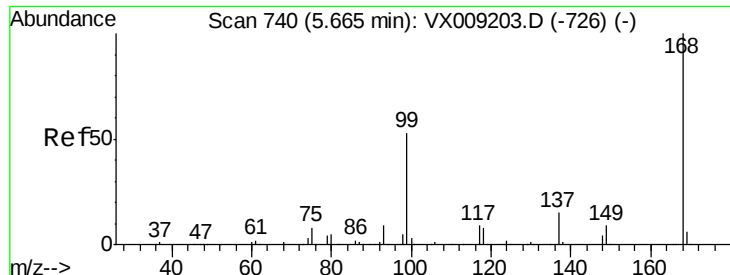
Instrument :
 MSVOA_X
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX009901.D

Acq: 24 May 2019 20:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 168243

Ion Ratio Lower Upper

168 100

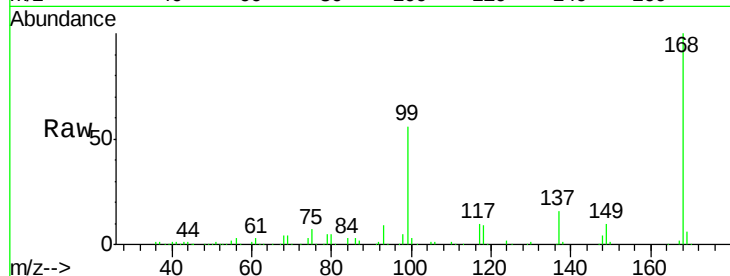
99 55.7 42.3 63.5

Manual Integrations

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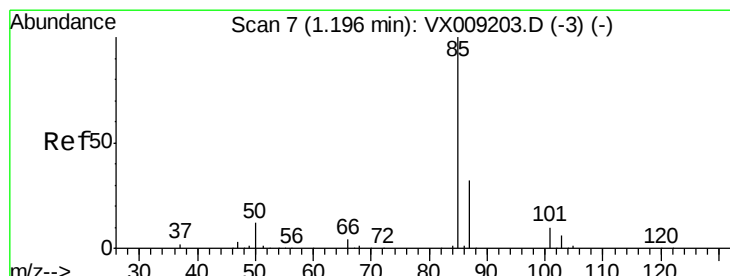
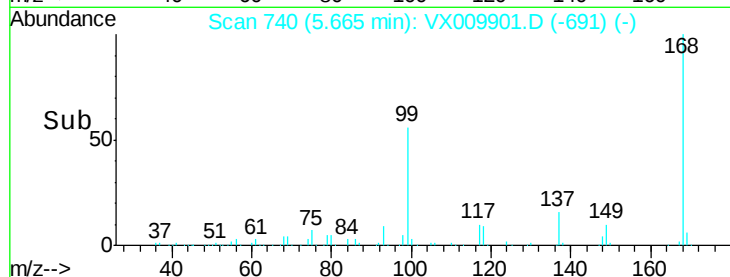
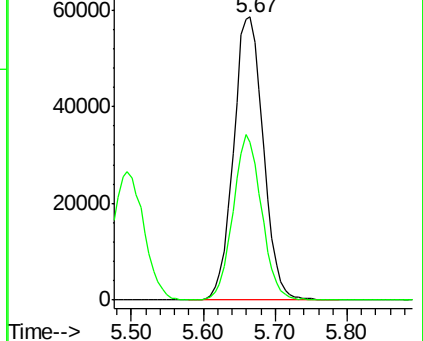
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 39.226 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX009901.D

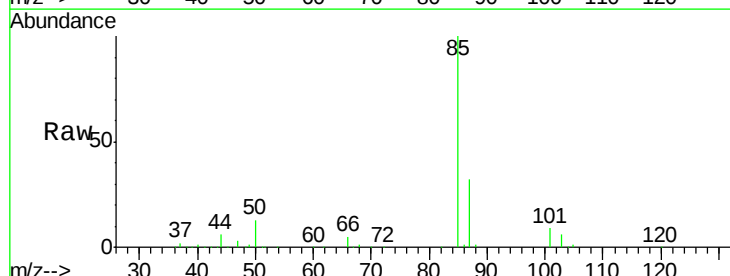
Acq: 24 May 2019 20:51

Tgt Ion: 85 Resp: 60816

Ion Ratio Lower Upper

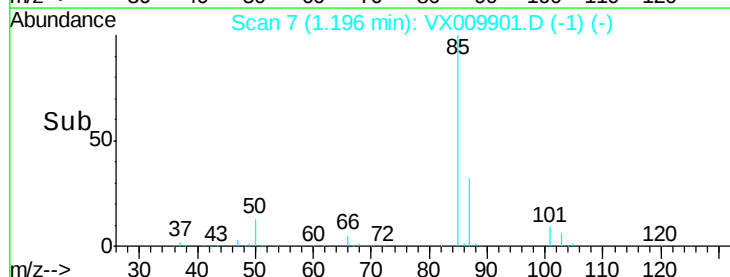
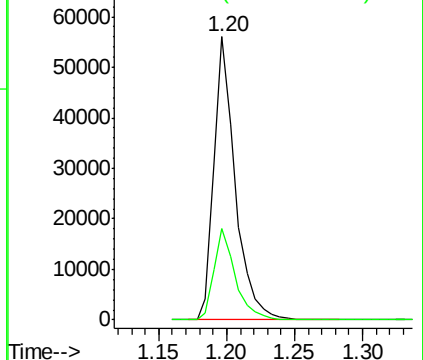
85 100

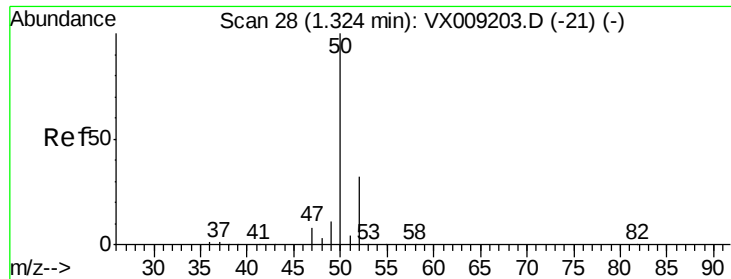
87 32.1 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 47.406 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009901.D

Acq: 24 May 2019 20:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 100343

Ion Ratio Lower Upper

50 100

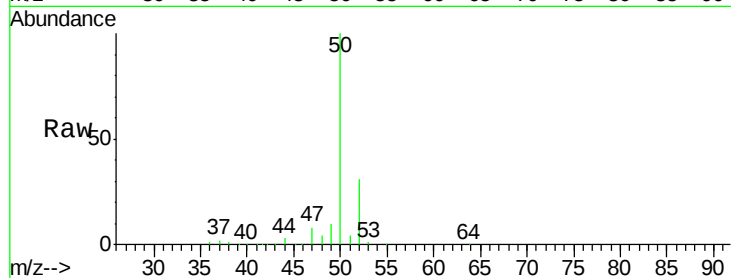
52 30.9 25.9 38.9

Manual Integrations

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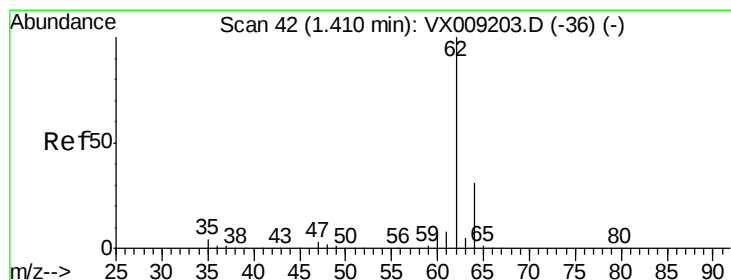
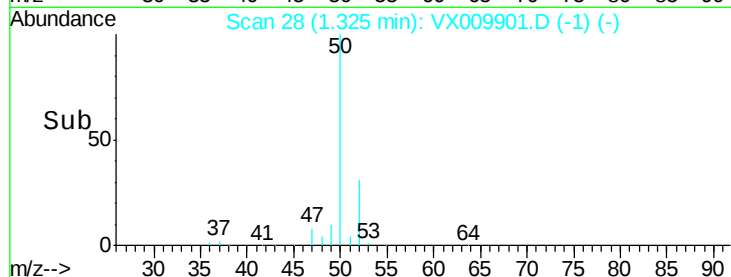
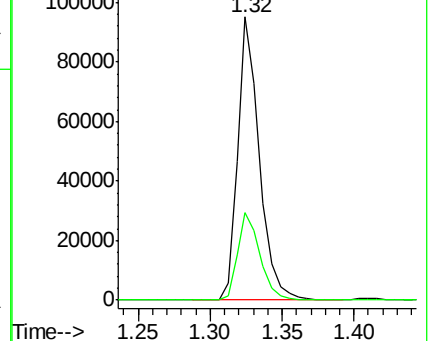
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 46.120 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX009901.D

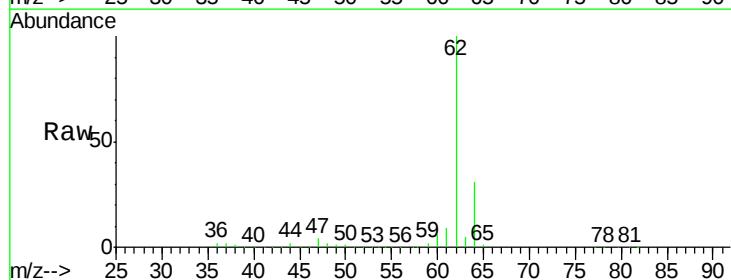
Acq: 24 May 2019 20:51

Tgt Ion: 62 Resp: 95193

Ion Ratio Lower Upper

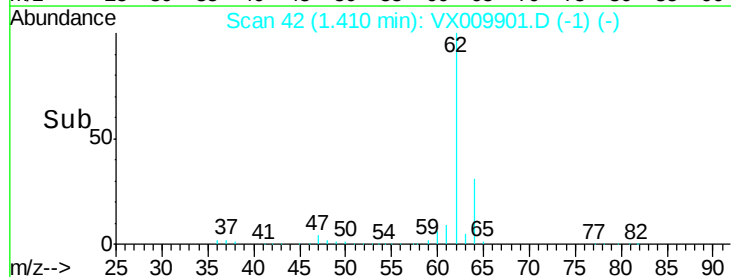
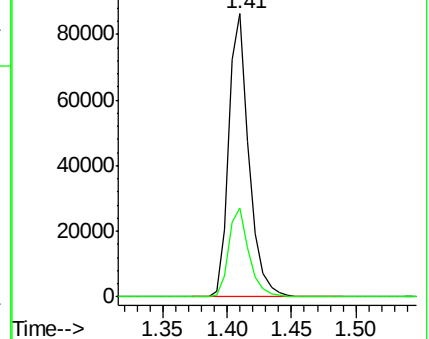
62 100

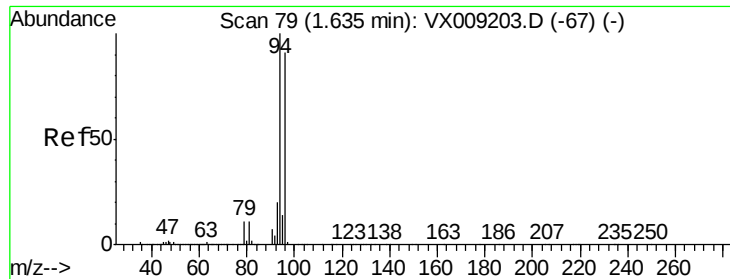
64 31.4 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 47.843 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009901.D

Acq: 24 May 2019 20:51

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 59270

Ion Ratio Lower Upper

94 100

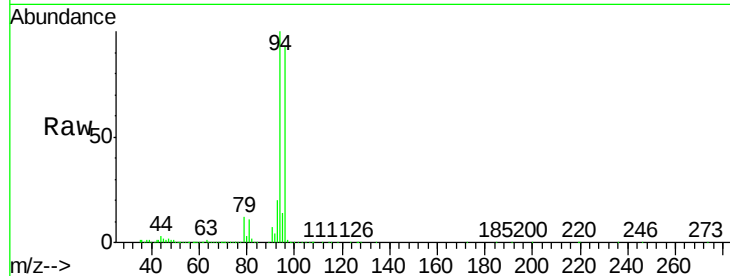
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Manual Integrations

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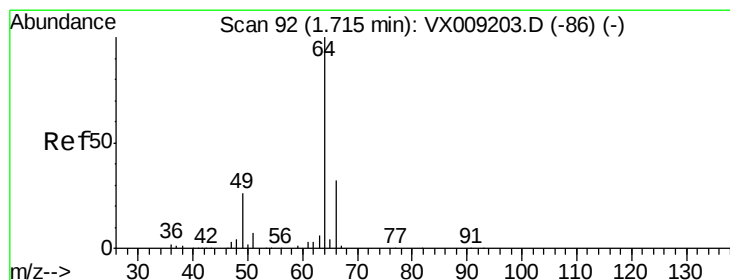
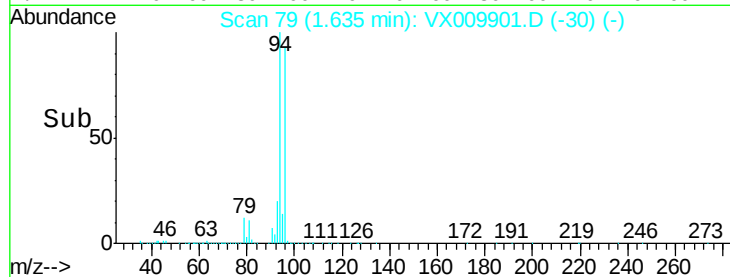
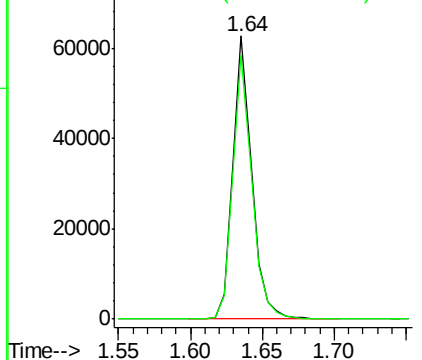
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 47.606 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX009901.D

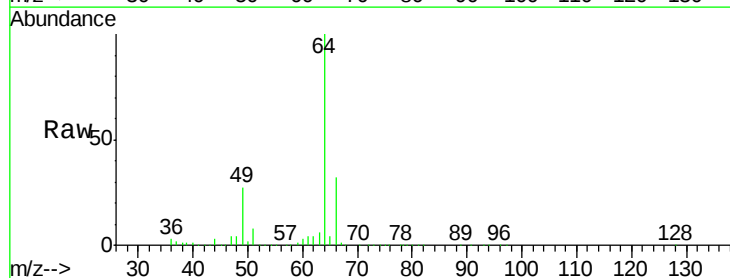
Acq: 24 May 2019 20:51

Tgt Ion: 64 Resp: 63086

Ion Ratio Lower Upper

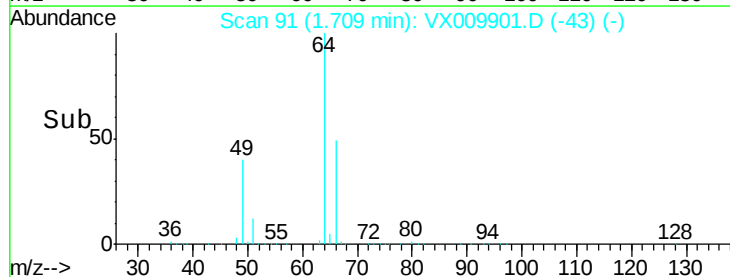
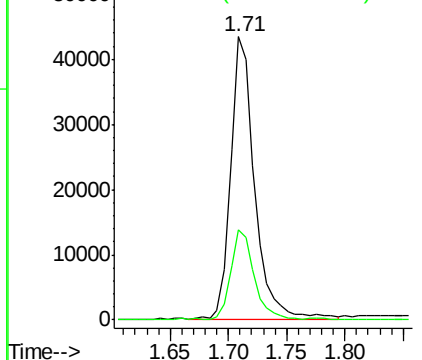
64 100

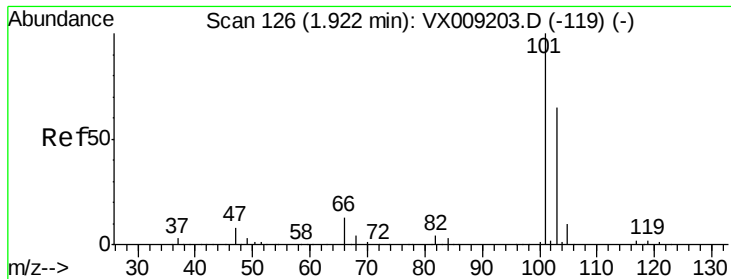
66 31.3 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

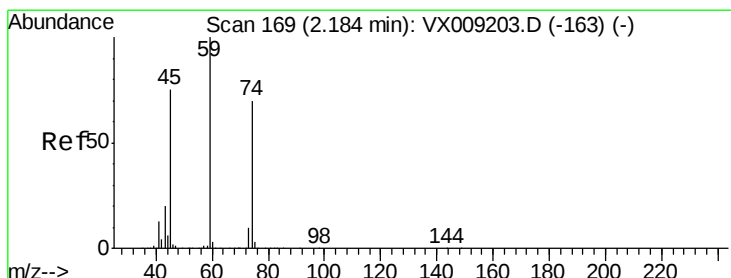
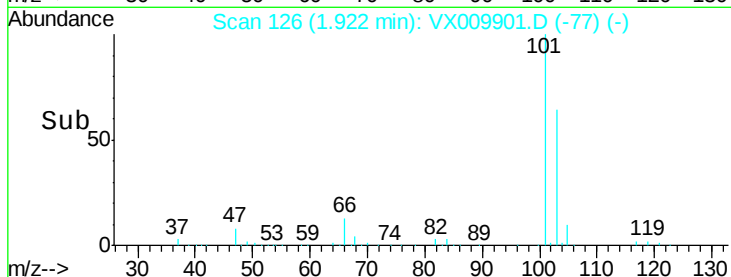
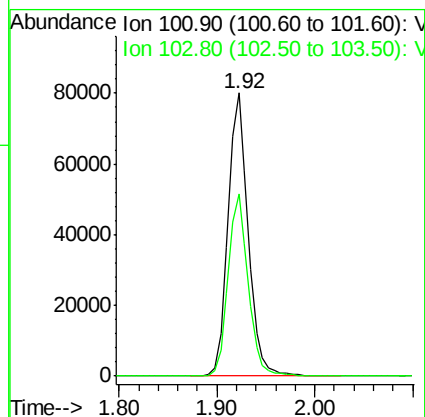
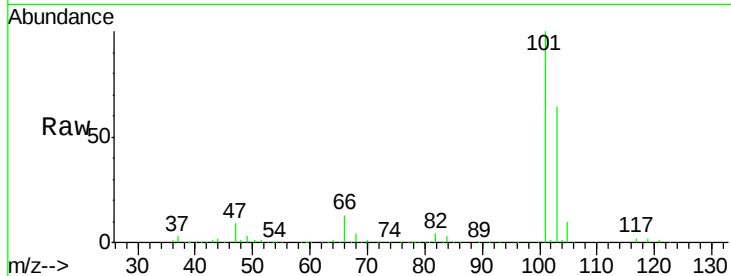
Trichlorofluoromethane
Concen: 45.537 ug/l
RT: 1.92 min Scan# 126
Delta R.T. 0.00 min
Lab File: VX009901.D
Acq: 24 May 2019 20:51

Instrument :
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ClientSampleId :
VSTDCCC050EC

Tot Ion:101 Resp: 114250
Ion Ratio Lower Upper
101 100
103 64.2 52.4 78.6

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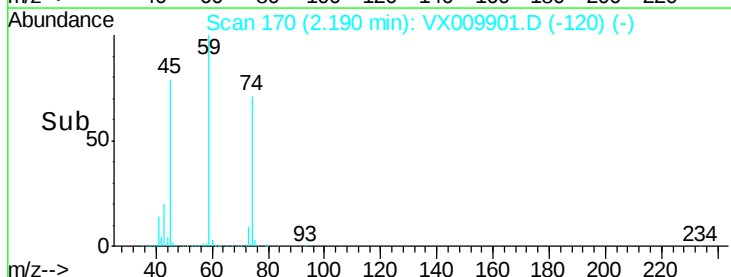
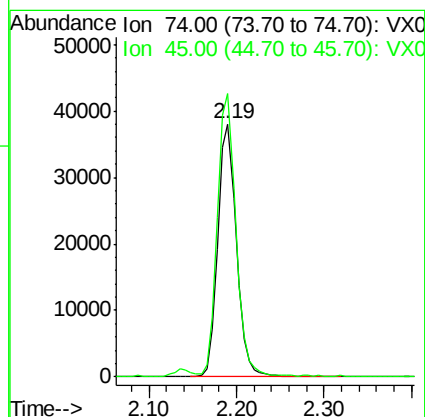
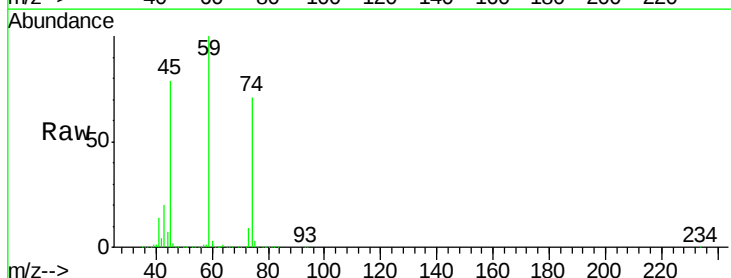
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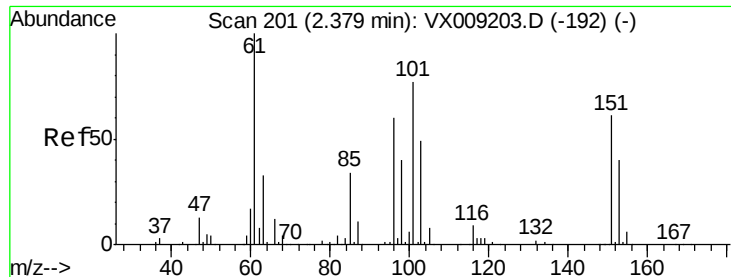


#8

Diethyl Ether
Concen: 46.878 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX009901.D
Acq: 24 May 2019 20:51

Tgt Ion: 74 Resp: 55711
Ion Ratio Lower Upper
74 100
45 110.7 53.3 159.9





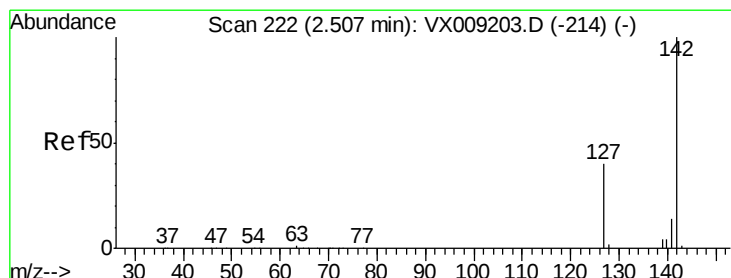
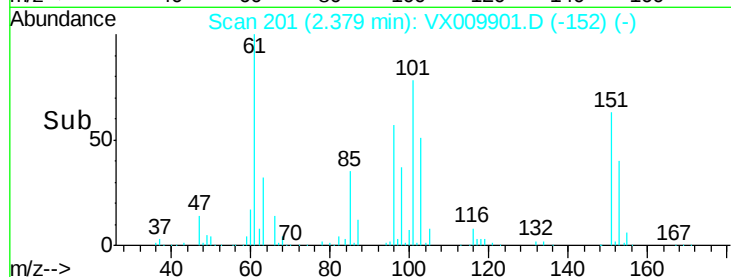
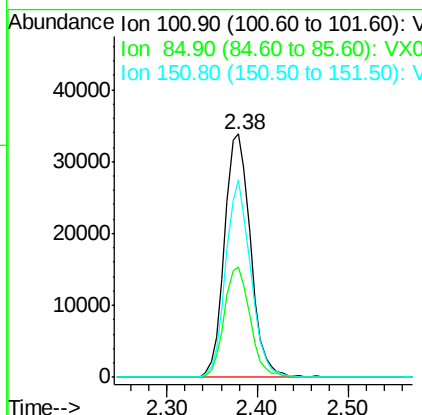
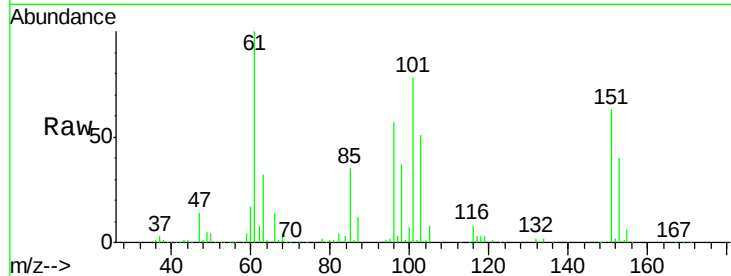
#9
1,1,2-Trichlorotrifluoroethane
Concen: 43.024 ug/l
RT: 2.38 min Scan# 201
Delta R.T. 0.00 min
Lab File: VX009901.D
Acq: 24 May 2019 20:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
85	45.1	35.7	53.5
151	77.9	62.2	93.2

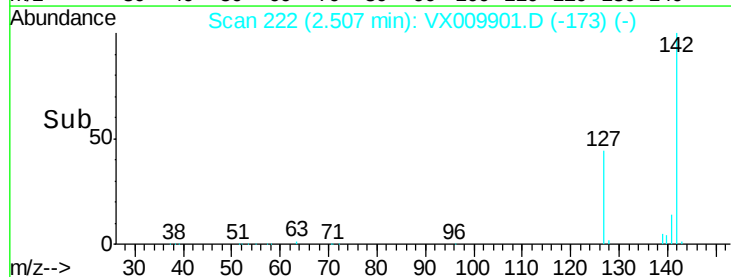
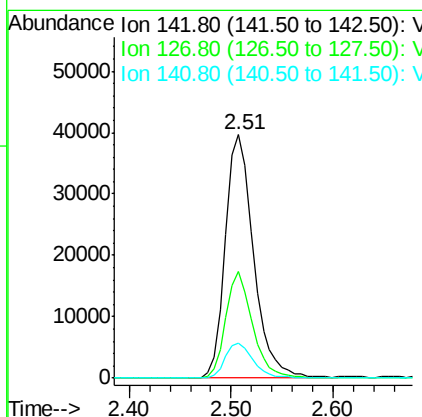
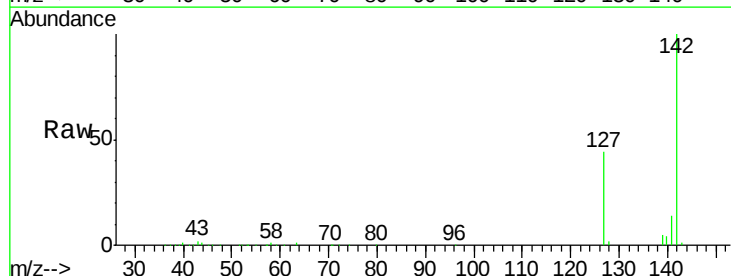
Manual Integrations
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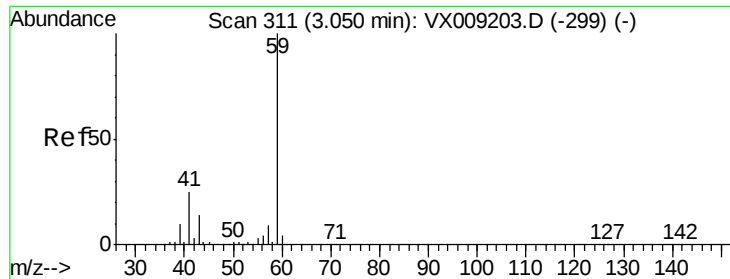
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#10
Methyl Iodide
Concen: 42.446 ug/l
RT: 2.51 min Scan# 222
Delta R.T. 0.00 min
Lab File: VX009901.D
Acq: 24 May 2019 20:51

Tgt Ion	Ratio	Lower	Upper
142	100		
127	41.6	32.7	49.1
141	14.3	11.5	17.3





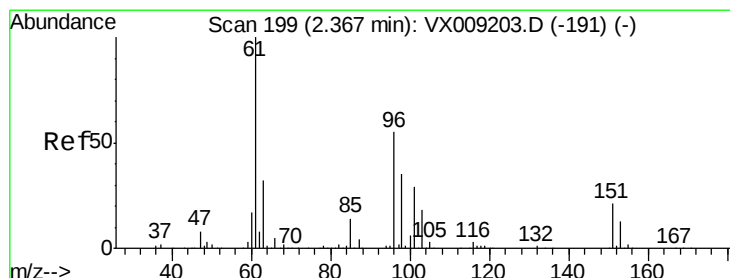
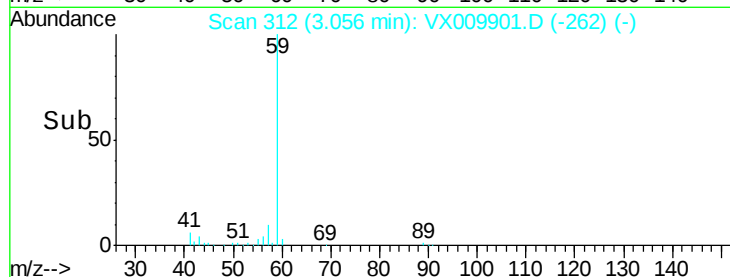
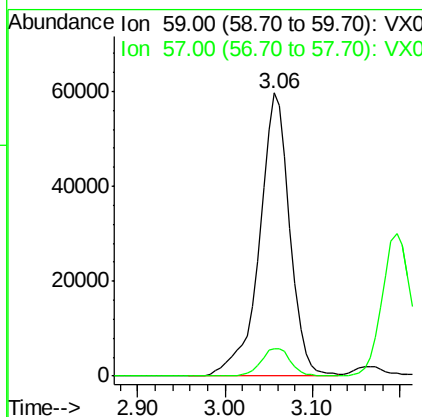
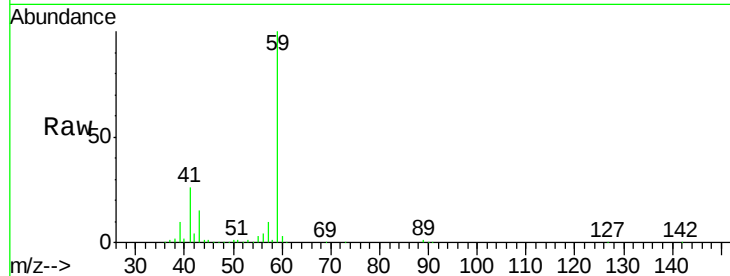
#11
Tert butyl alcohol
Concen: 271.836 ug/l
RT: 3.06 min Scan# 312
Delta R.T. 0.01 min
Lab File: VX009901.D
Acq: 24 May 2019 20:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.8	8.2	12.2

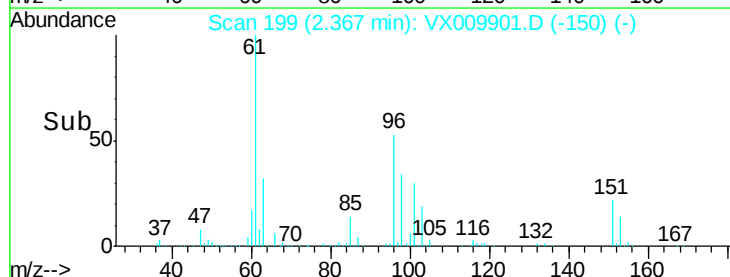
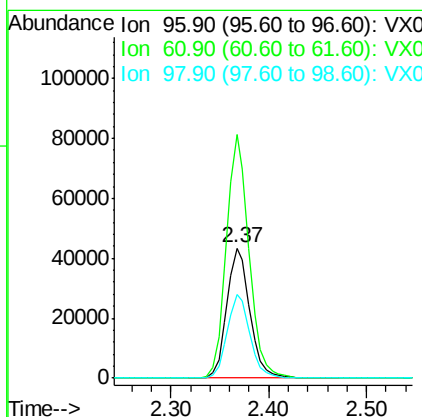
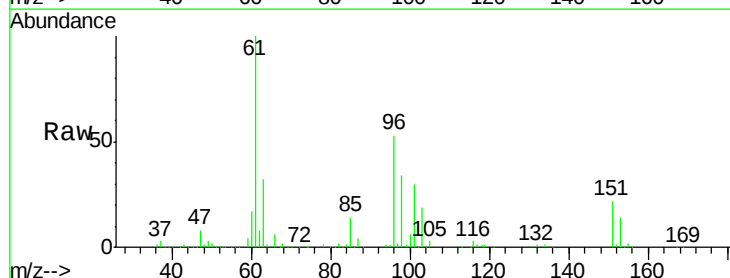
Manual Integrations
APPROVED

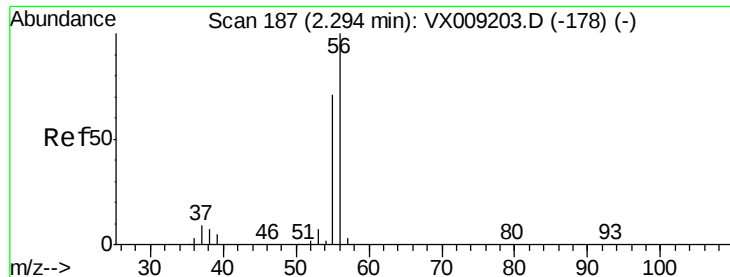
MMDadoda
5/28/2019 9:52:27 AM



#12
1,1-Dichloroethene
Concen: 44.909 ug/l
RT: 2.37 min Scan# 199
Delta R.T. 0.00 min
Lab File: VX009901.D
Acq: 24 May 2019 20:51

Tgt Ion	Ratio	Lower	Upper
96	100		
61	187.2	144.3	216.5
98	64.1	50.3	75.5





#13

Acrolein

Concen: 211.276 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX009901.D

Acq: 24 May 2019 20:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 101722

Ion Ratio Lower Upper

56 100

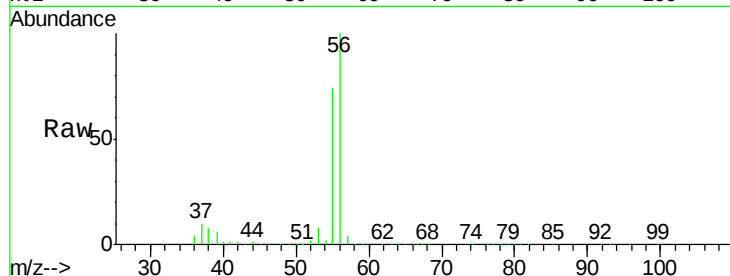
55 72.0 56.6 85.0

Manual Integrations

APPROVED

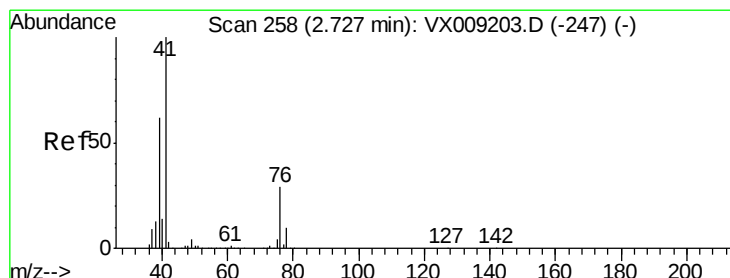
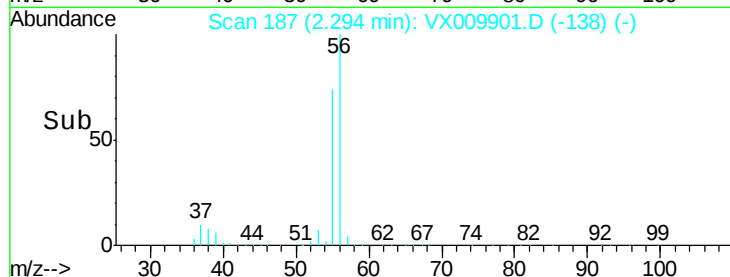
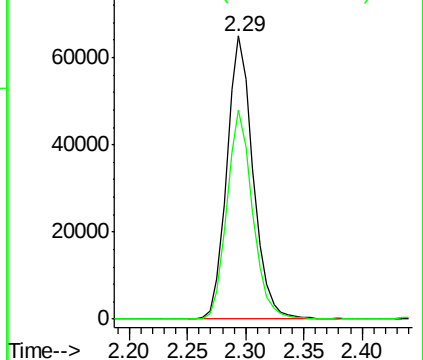
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 47.415 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX009901.D

Acq: 24 May 2019 20:51

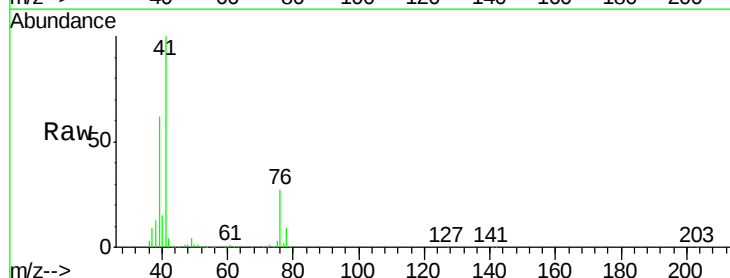
Tgt Ion: 41 Resp: 182410

Ion Ratio Lower Upper

41 100

39 59.1 46.7 70.1

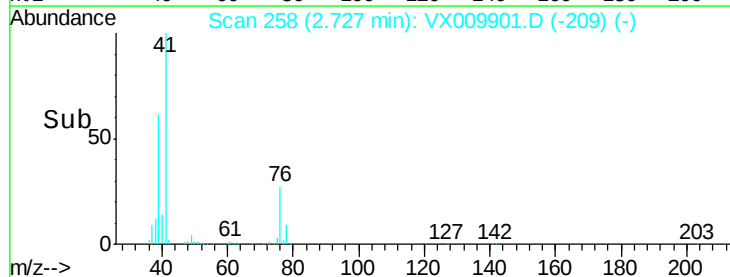
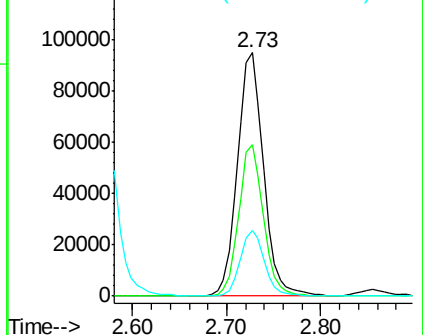
76 25.2 21.8 32.8

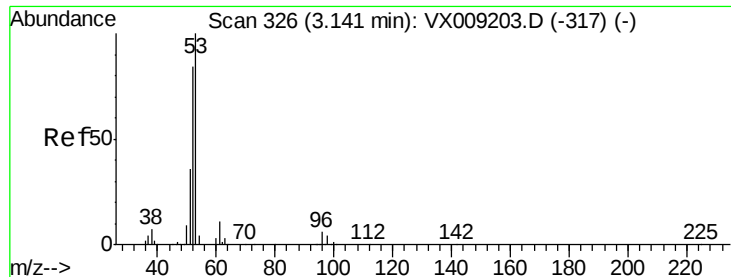


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 244.226 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX009901.D

Acq: 24 May 2019 20:51

Instrument :

MSVOA_X

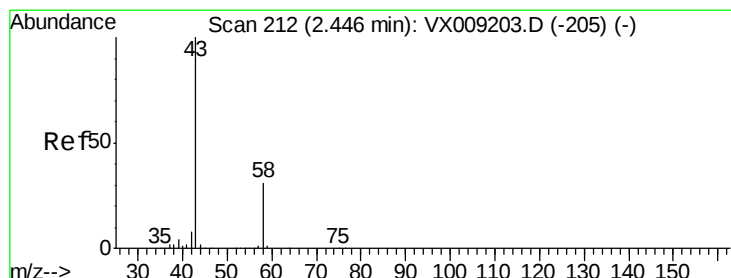
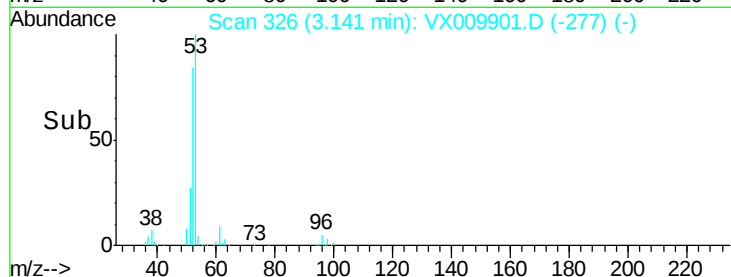
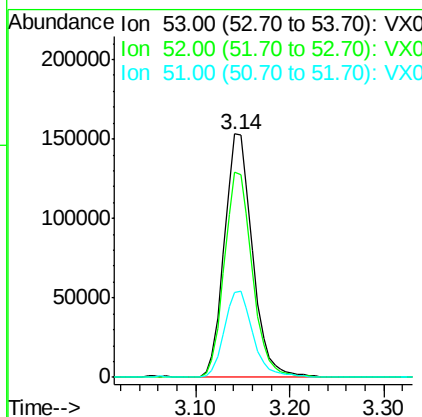
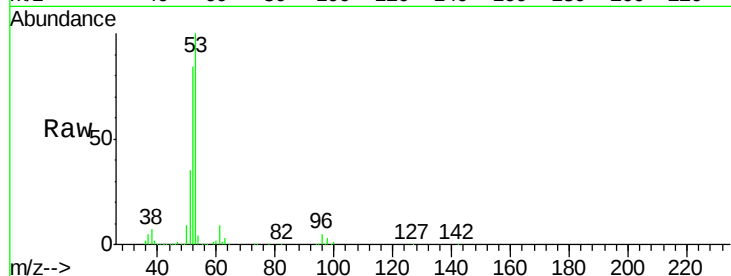
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	317465
Ion Ratio		Lower	Upper
53	100		
52	83.6	66.9	100.3
51	36.1	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 233.090 ug/l

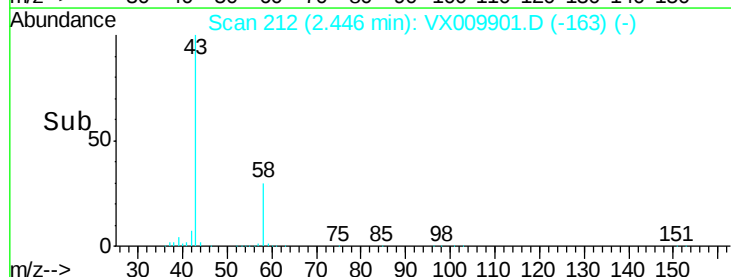
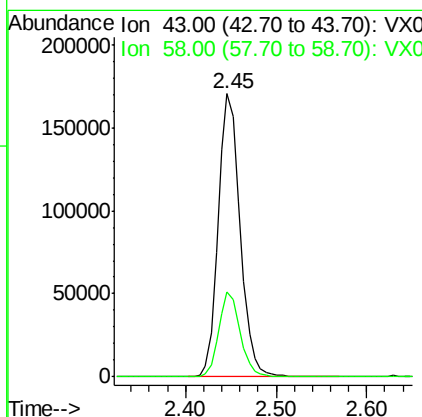
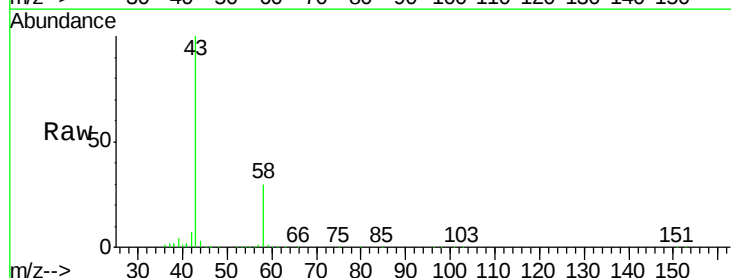
RT: 2.45 min Scan# 212

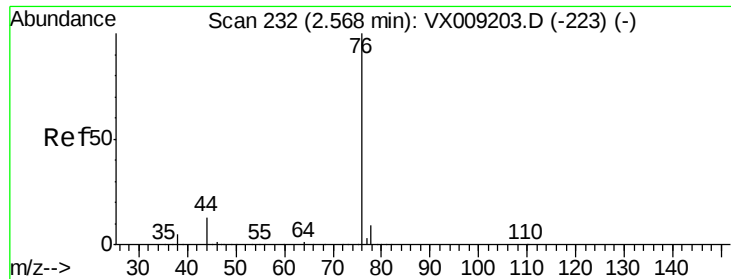
Delta R.T. 0.00 min

Lab File: VX009901.D

Acq: 24 May 2019 20:51

Tgt Ion:	43	Resp:	287457
Ion Ratio		Lower	Upper
43	100		
58	30.0	24.9	37.3





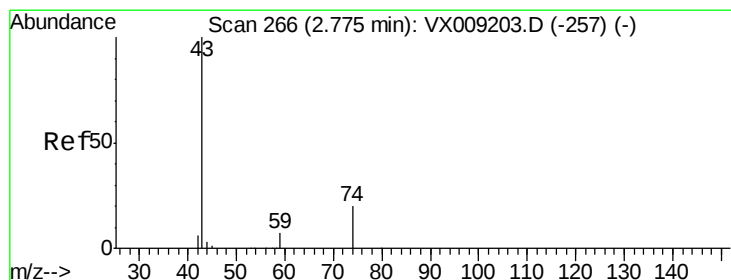
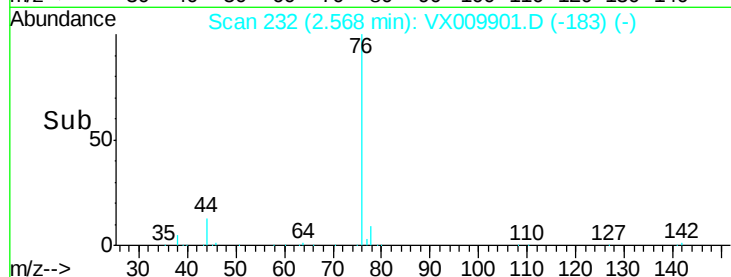
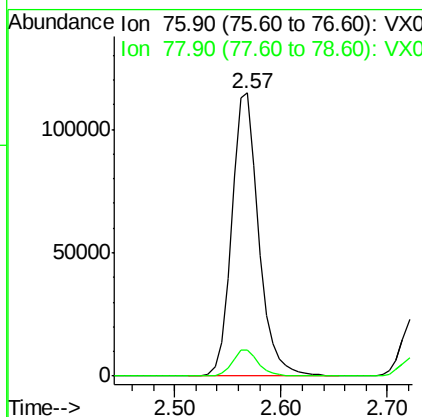
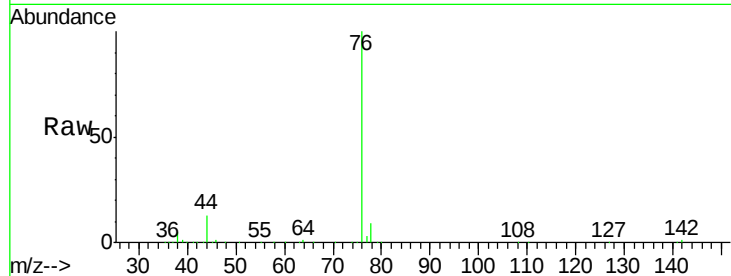
#17
Carbon Disulfide
Concen: 46.060 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX009901.D
Acq: 24 May 2019 20:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.4	11.0

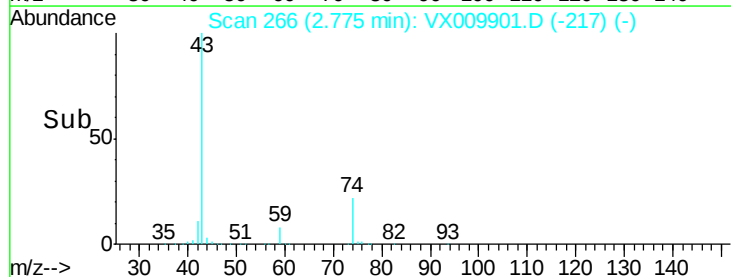
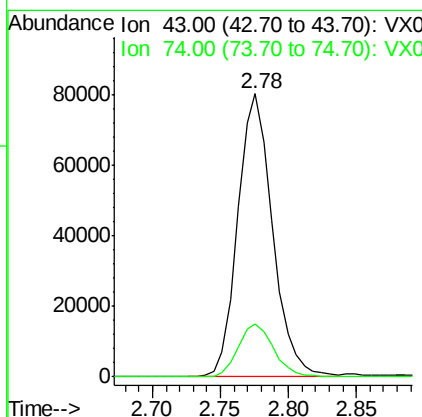
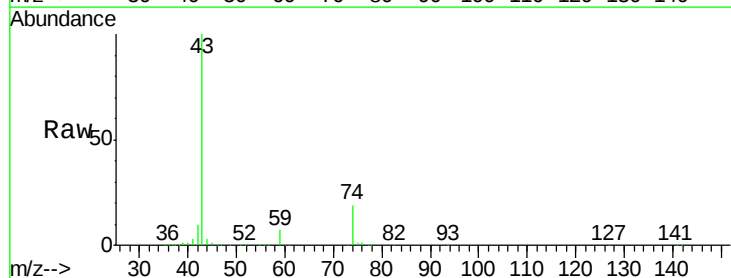
Manual Integrations
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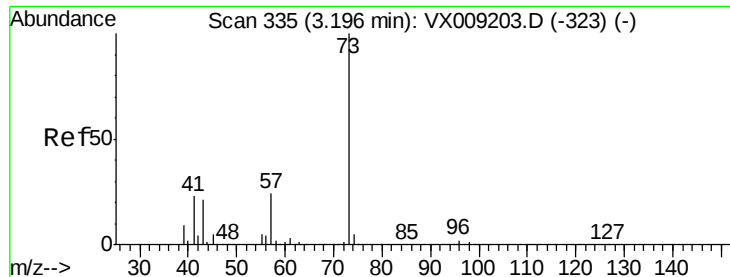
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#18
Methyl Acetate
Concen: 48.638 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX009901.D
Acq: 24 May 2019 20:51

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.1	16.2	24.4





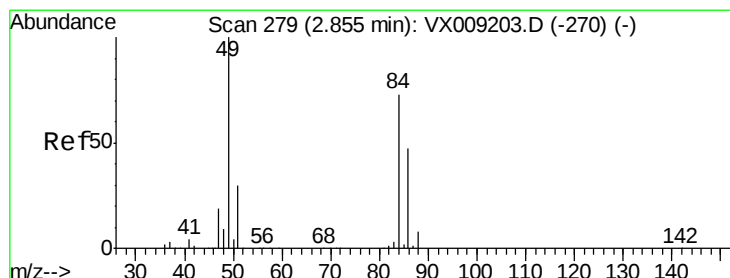
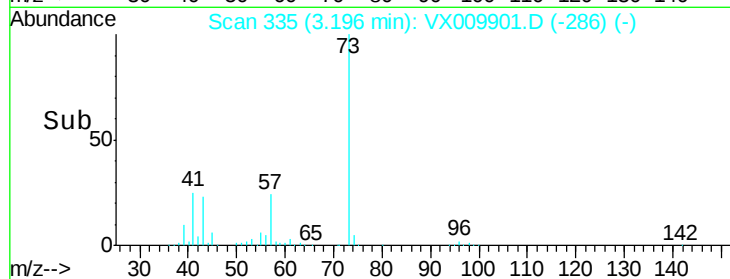
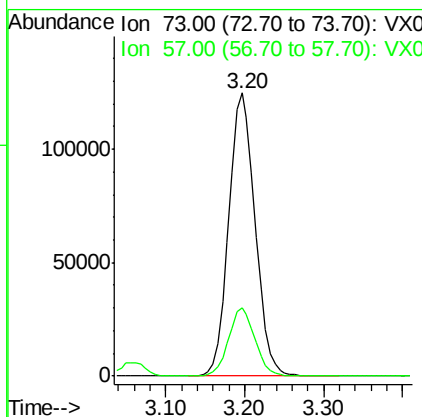
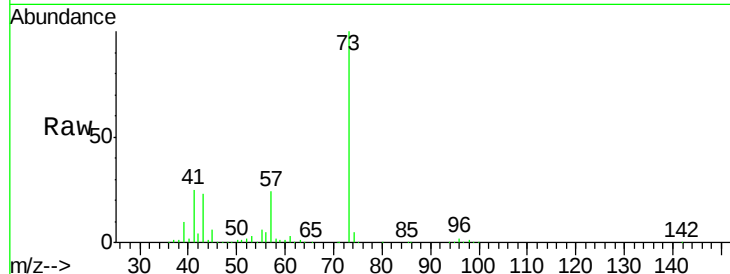
#19
Methvl tert-butvl Ether
Concen: 47.294 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX009901.D
Acq: 24 May 2019 20:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.1	19.3	28.9

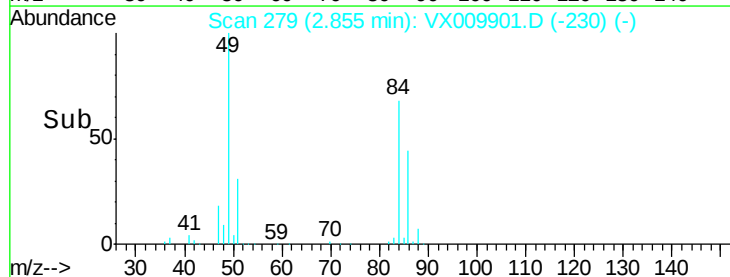
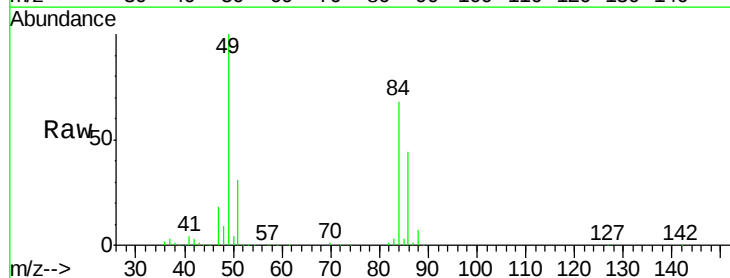
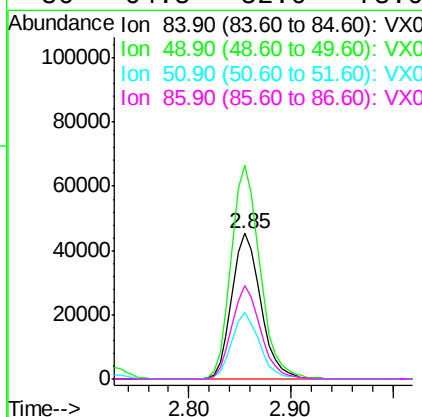
Manual Integrations
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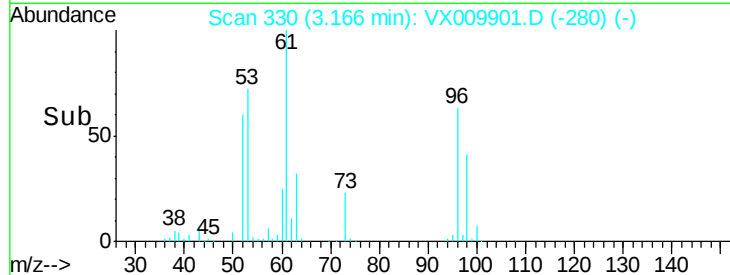
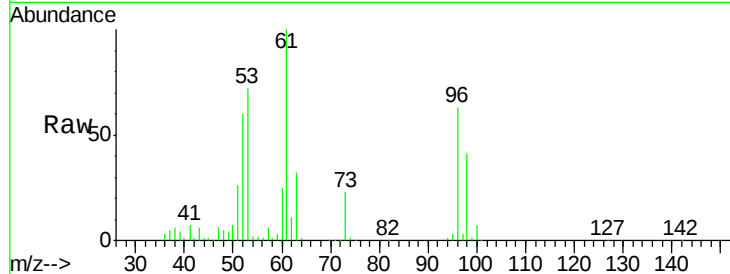
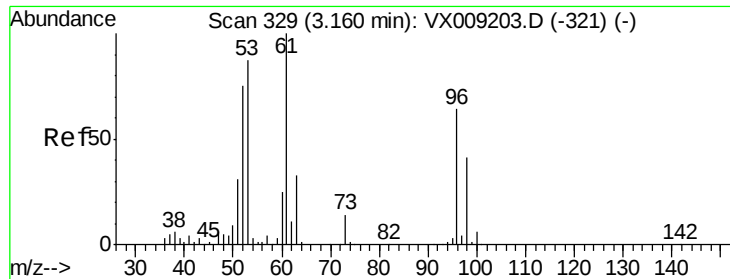
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#20
Methylene Chloride
Concen: 44.562 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX009901.D
Acq: 24 May 2019 20:51

Tgt Ion	Ratio	Lower	Upper
84	100		
49	146.8	109.9	164.9
51	46.2	32.7	49.1
86	64.5	52.0	78.0





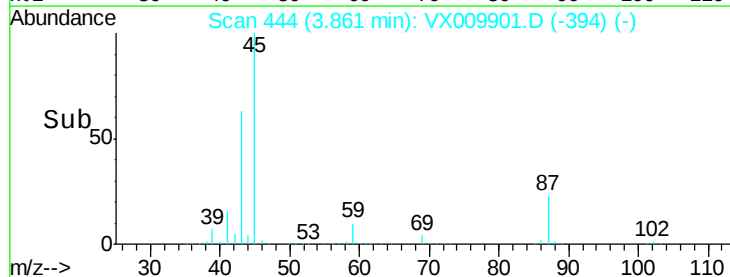
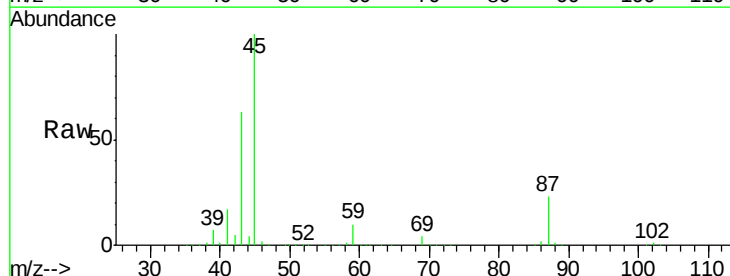
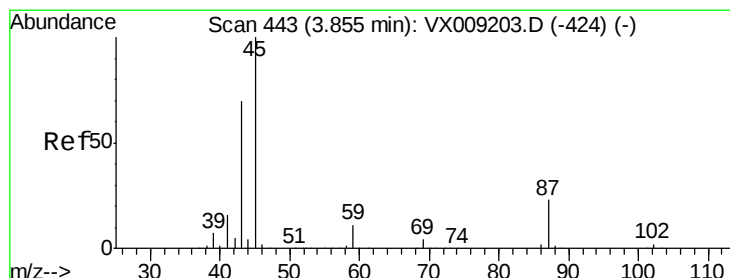
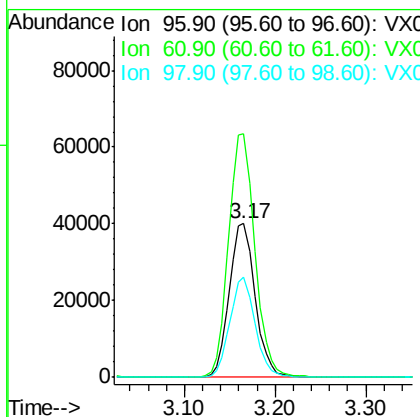
#21
trans-1,2-Dichloroethene
Concen: 46.671 ug/l
RT: 3.17 min Scan# 330
Delta R.T. 0.01 min
Lab File: VX009901.D
Acq: 24 May 2019 20:51

Tot Ion	Ion	Ratio	Lower	Upper
96	100			
61	158.6	124.5	186.7	
98	65.1	50.4	75.6	

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

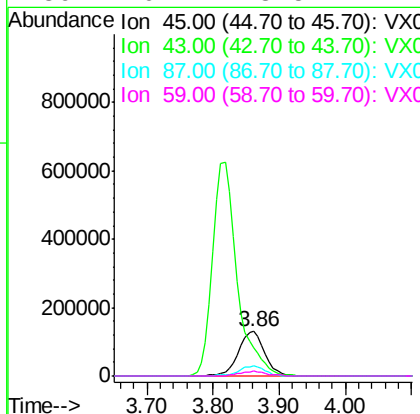
Manual Integrations
APPROVED

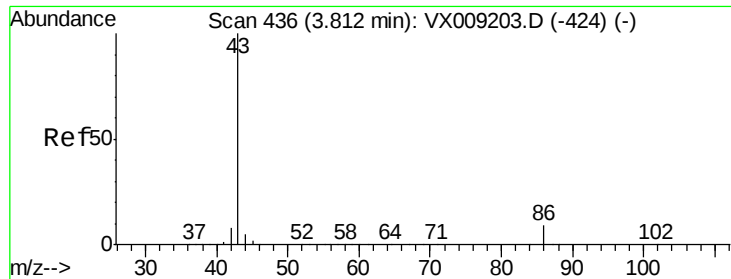
MMDadoda
5/28/2019 9:52:27 AM



#22
Diisopropyl ether
Concen: 48.522 ug/l
RT: 3.86 min Scan# 444
Delta R.T. 0.01 min
Lab File: VX009901.D
Acq: 24 May 2019 20:51

Tgt Ion	Ion	Ratio	Lower	Upper
45	100			
43	62.7	56.1	84.1	
87	22.6	18.1	27.1	
59	10.4	8.5	12.7	





#23

Vinyl Acetate

Concen: 255.975 ug/l

RT: 3.82 min Scan# 437

Delta R.T. 0.01 min

Lab File: VX009901.D

Acq: 24 May 2019 20:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1621676

Ion Ratio Lower Upper

43 100

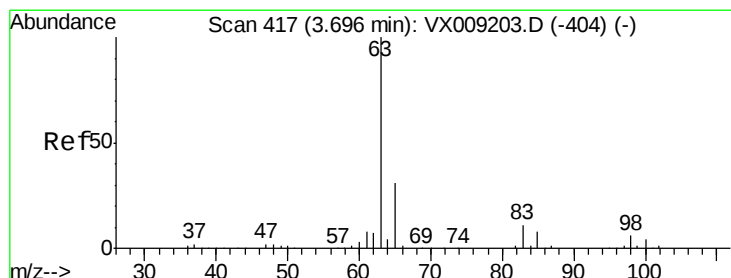
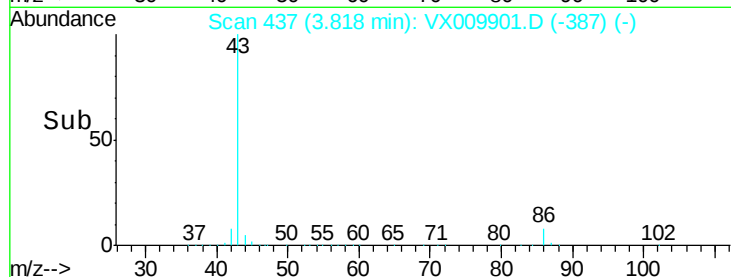
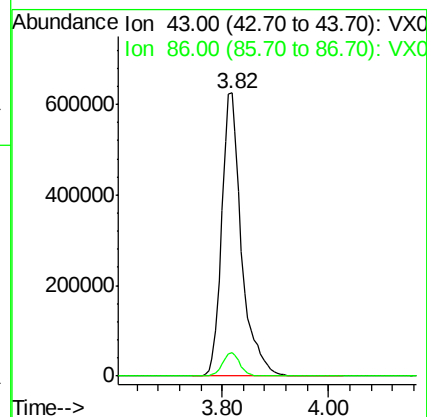
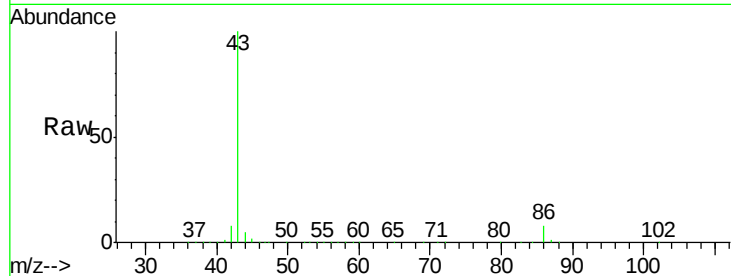
86 8.2 6.9 10.3

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 46.099 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX009901.D

Acq: 24 May 2019 20:51

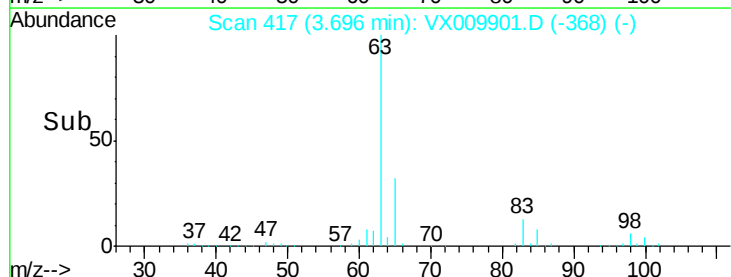
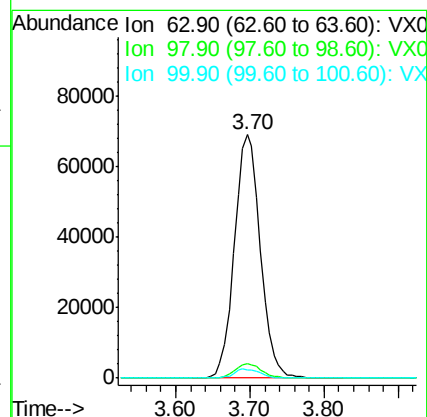
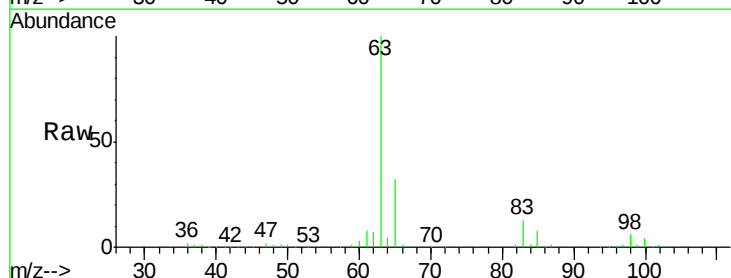
Tgt Ion: 63 Resp: 168249

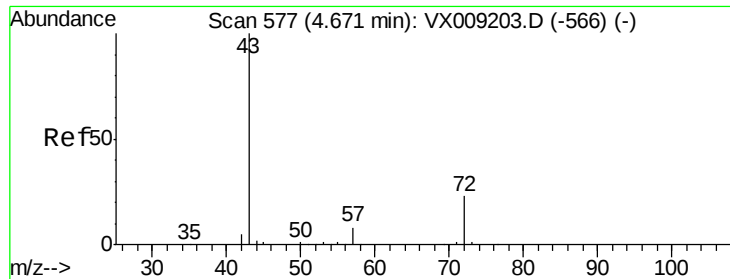
Ion Ratio Lower Upper

63 100

98 5.8 3.0 9.2

100 3.6 2.0 6.0





#25

2-Butanone

Concen: 253.475 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.01 min

Lab File: VX009901.D

Acq: 24 May 2019 20:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 485766

Ion Ratio Lower Upper

43 100

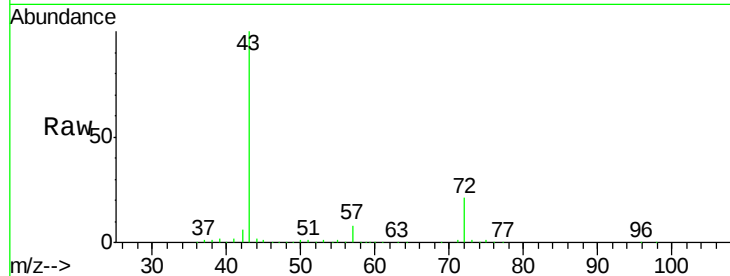
72 21.4 18.2 27.2

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

200000

150000

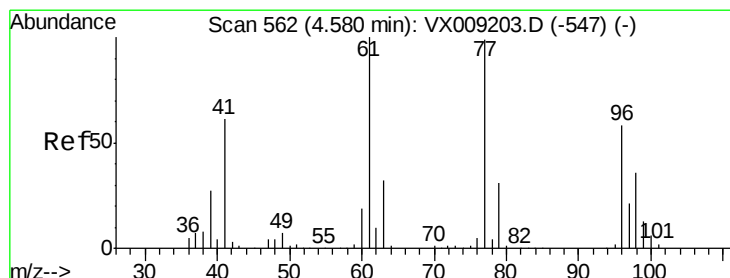
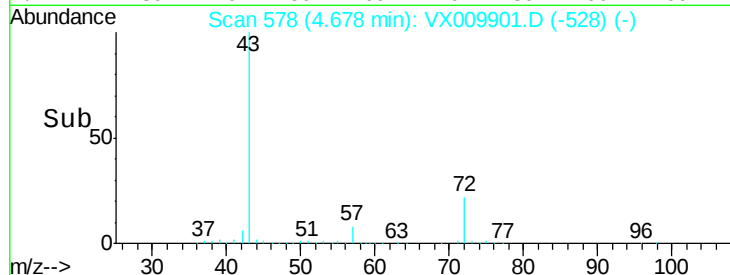
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 40.270 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX009901.D

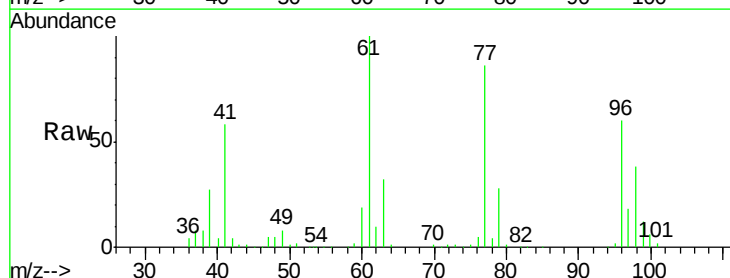
Acq: 24 May 2019 20:51

Tgt Ion: 77 Resp: 109397

Ion Ratio Lower Upper

77 100

97 22.7 11.5 34.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

40000

30000

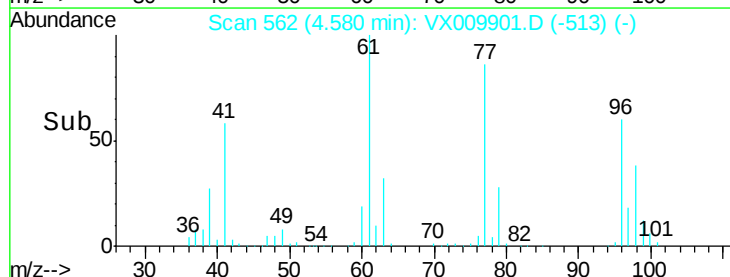
20000

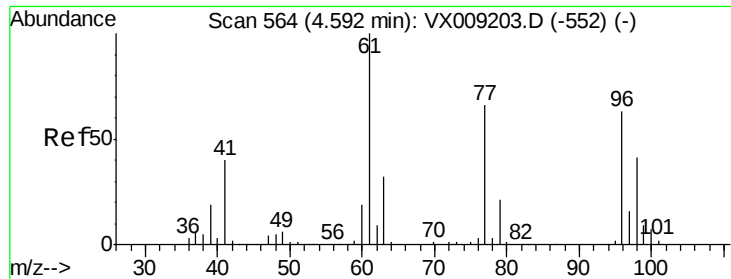
10000

0

4.50 4.60 4.70

Time-->





#27

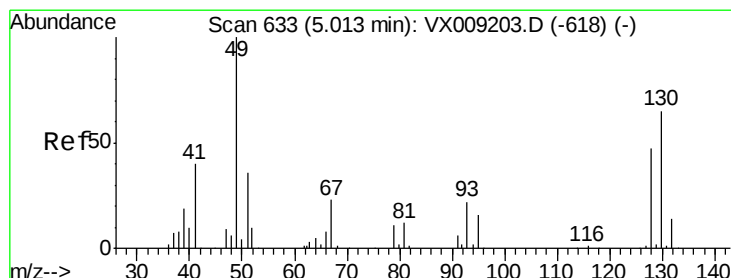
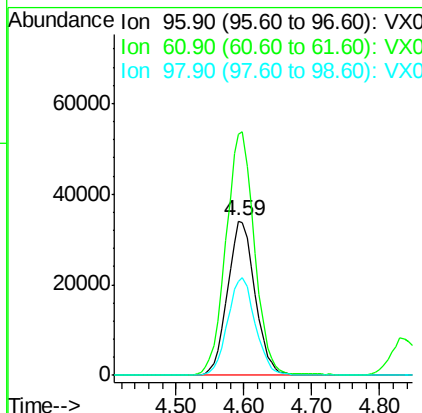
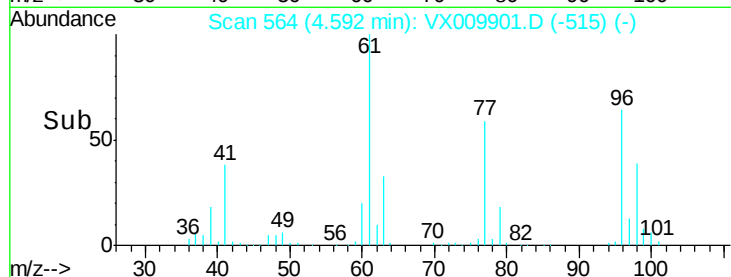
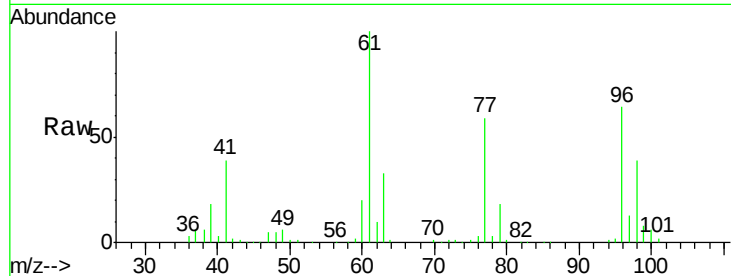
cis-1,2-Dichloroethene
Concen: 46.596 ug/l
RT: 4.59 min Scan# 564
Delta R.T. 0.00 min
Lab File: VX009901.D
Acq: 24 May 2019 20:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	163.4	0.0	324.0
98	63.8	0.0	130.4

Manual Integrations
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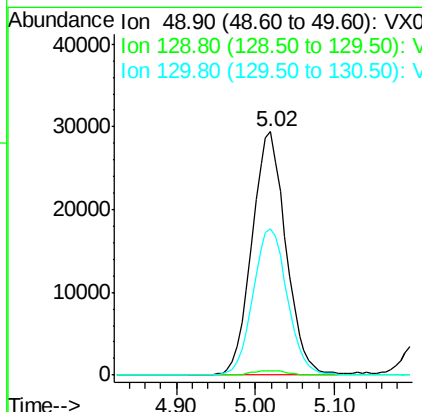
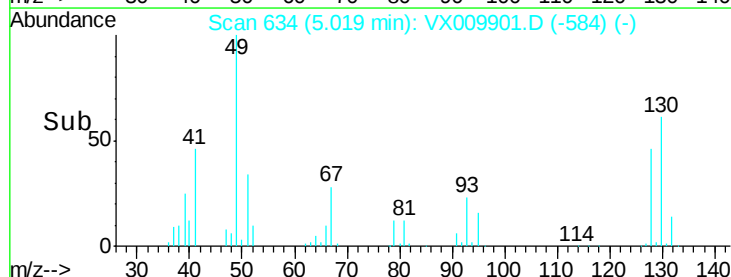
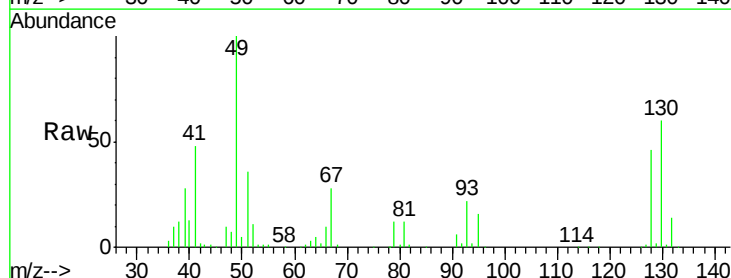
MMDadoda
5/28/2019 9:52:27 AM

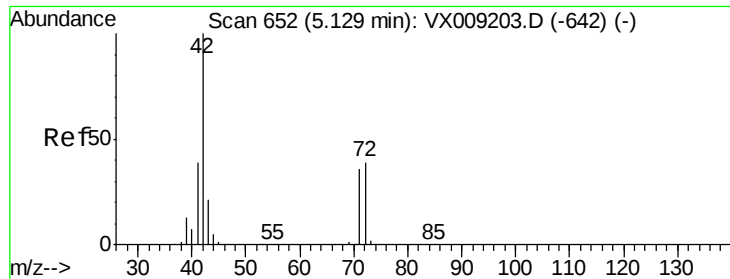


#28

Bromochloromethane
Concen: 60.435 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.01 min
Lab File: VX009901.D
Acq: 24 May 2019 20:51

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.8
130	60.6	51.2	76.8





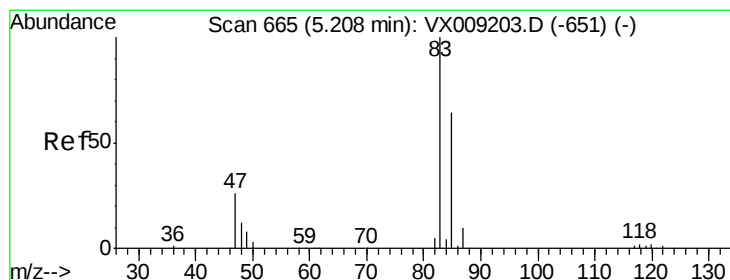
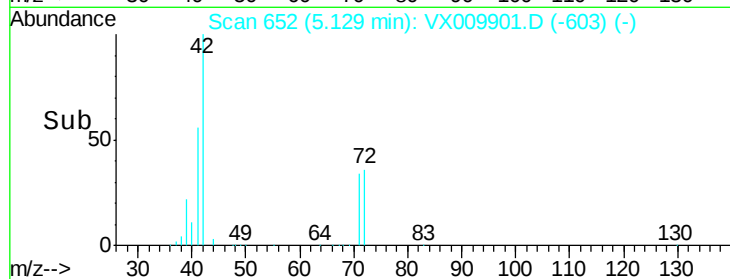
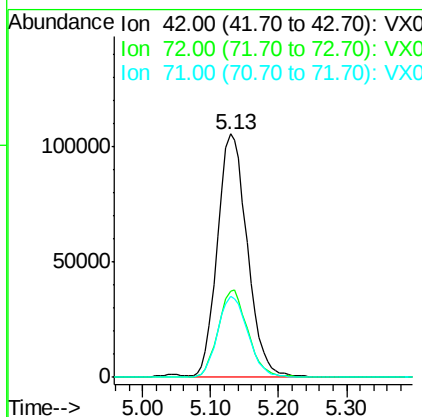
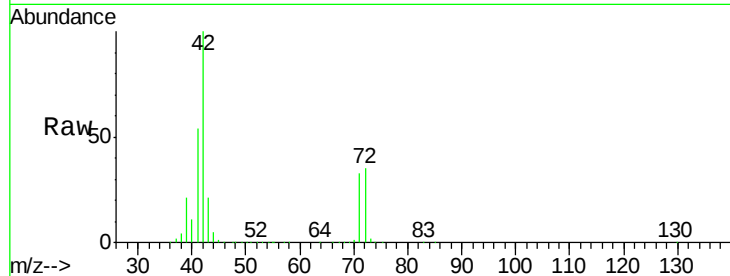
#29
Tetrahydrofuran
Concen: 260.030 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX009901.D
Acq: 24 May 2019 20:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.0	30.4	45.6
71	33.8	28.6	43.0

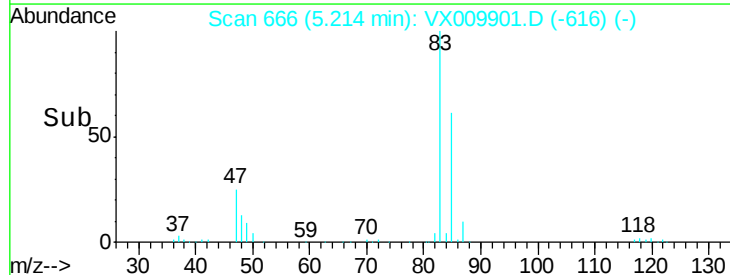
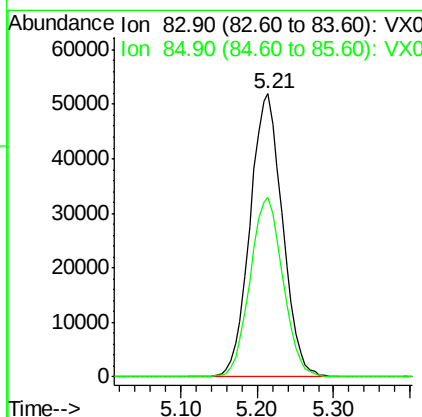
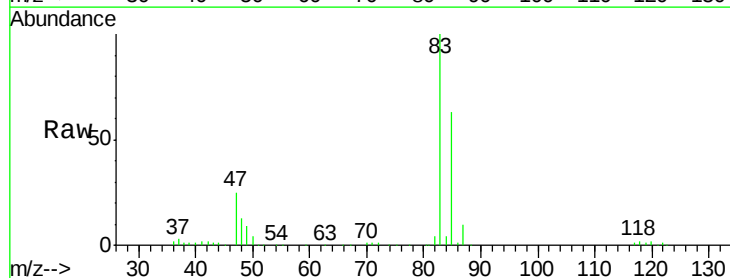
Manual Integrations
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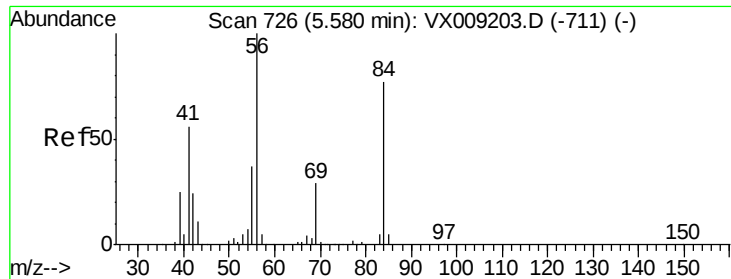
MMDadoda
5/28/2019 9:52:27 AM



#30
Chloroform
Concen: 46.512 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.01 min
Lab File: VX009901.D
Acq: 24 May 2019 20:51

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.5	77.3





#31

Cyclohexane

Concen: 46.811 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX009901.D

Acq: 24 May 2019 20:51

Instrument :

MSVOA_X

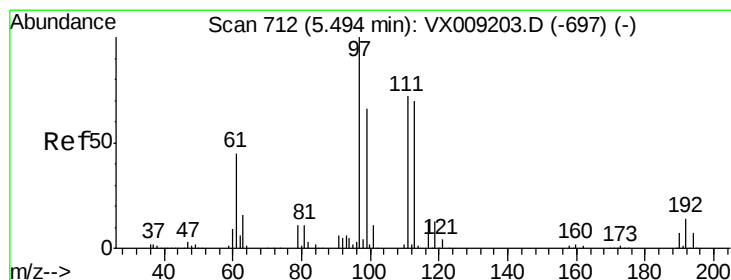
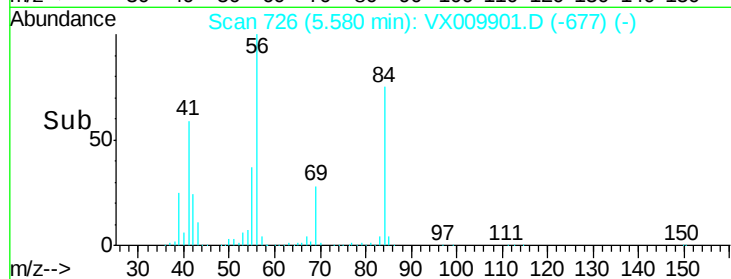
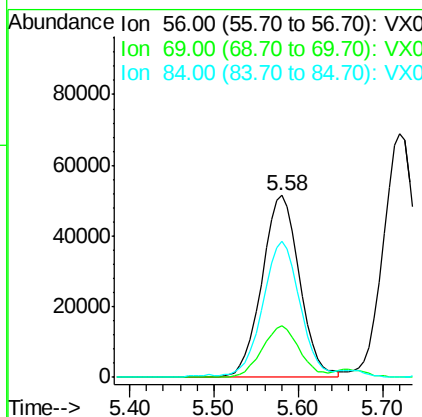
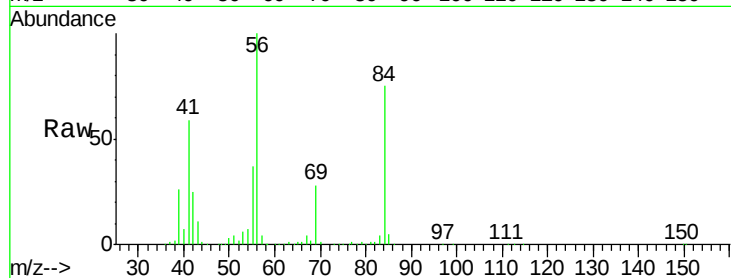
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	158951
Ion	Ratio	Lower	Upper
56	100		
69	28.3	23.4	35.0
84	74.3	61.9	92.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 45.931 ug/l

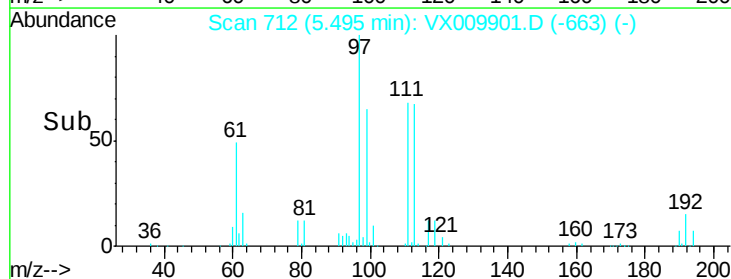
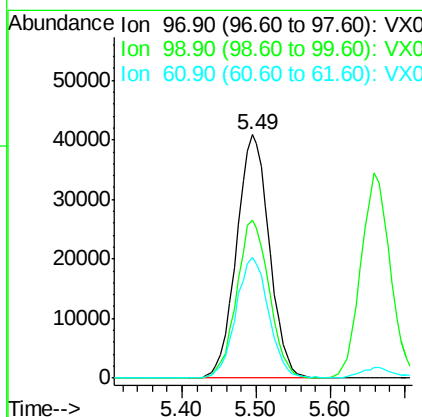
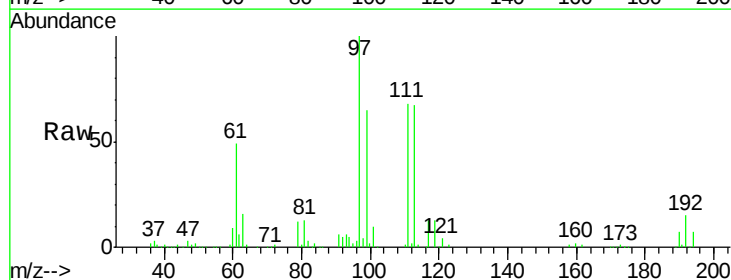
RT: 5.49 min Scan# 712

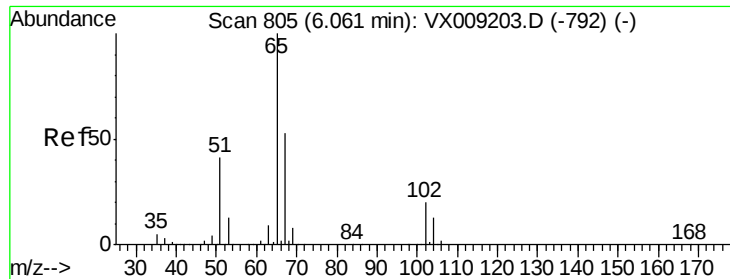
Delta R.T. 0.00 min

Lab File: VX009901.D

Acq: 24 May 2019 20:51

Tgt Ion:	97	Resp:	126211
Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.8	77.8
61	49.6	37.8	56.8





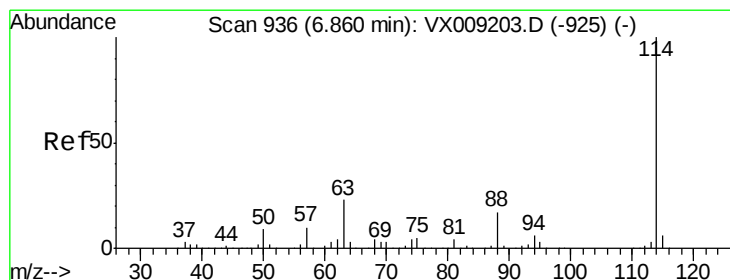
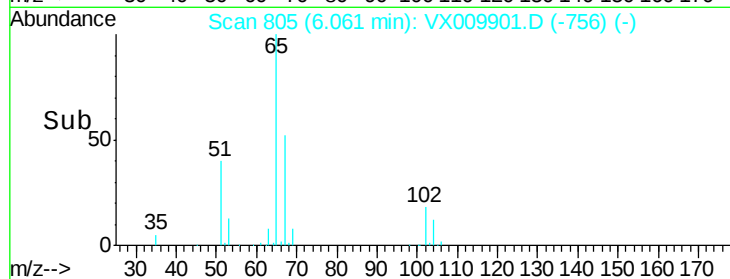
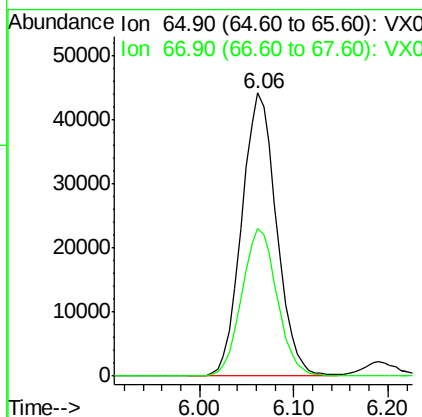
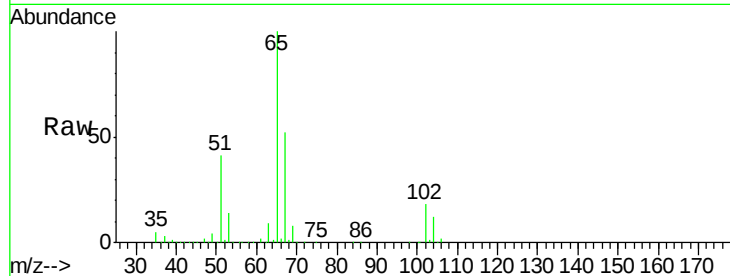
#33
 1,2-Dichloroethane-d4
 Concen: 49.938 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX009901.D
 Acq: 24 May 2019 20:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.8	0.0	106.6

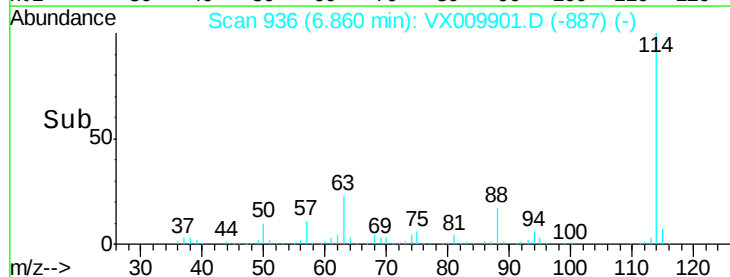
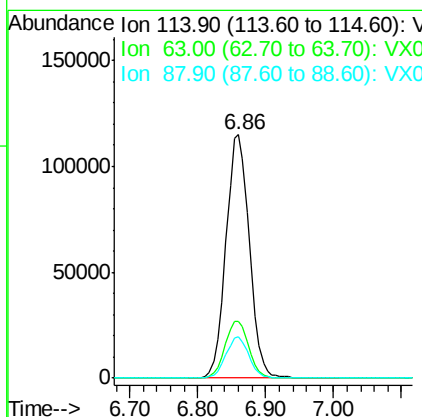
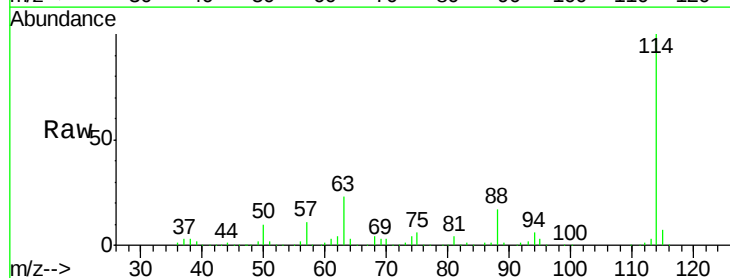
Manual Integrations
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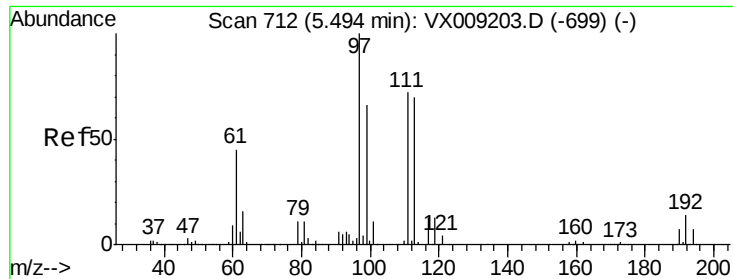
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 5/28/2019 9:52:27 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009901.D
 Acq: 24 May 2019 20:51

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.2	0.0	45.6
88	16.8	0.0	33.2





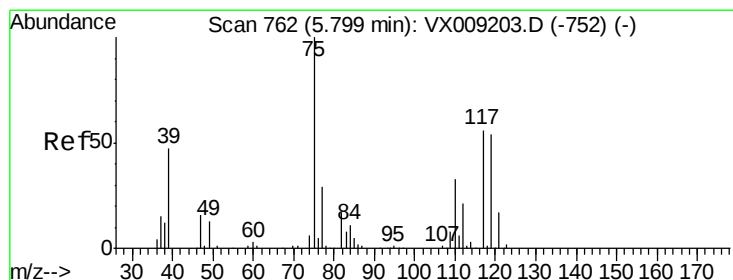
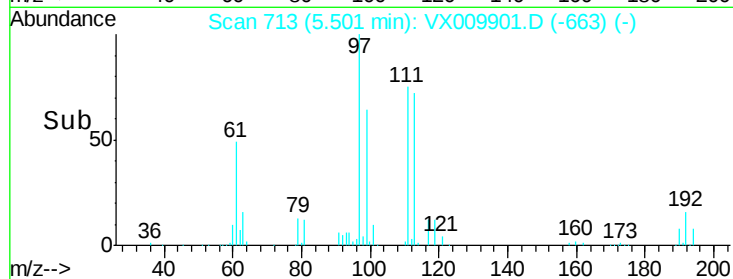
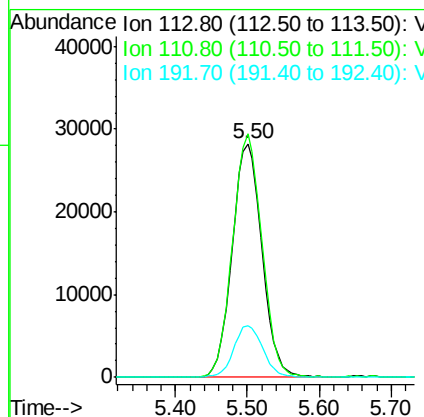
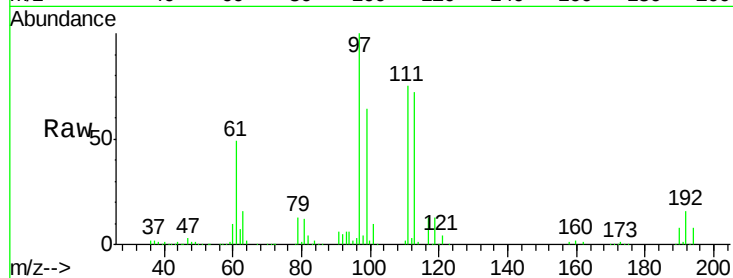
#35
 Dibromofluoromethane
 Concen: 47.241 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009901.D
 Acq: 24 May 2019 20:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.0	82.8	124.2
192	21.6	17.0	25.6

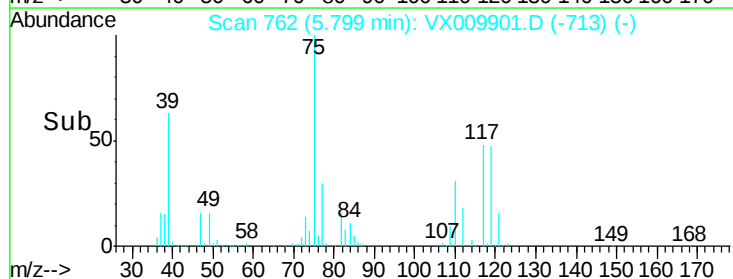
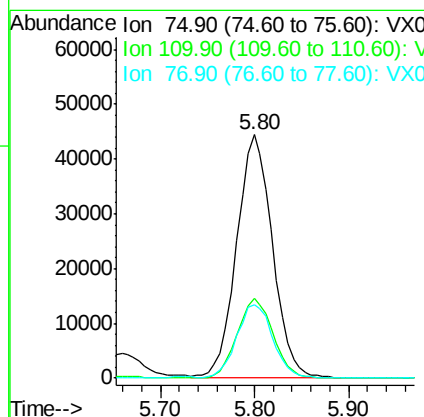
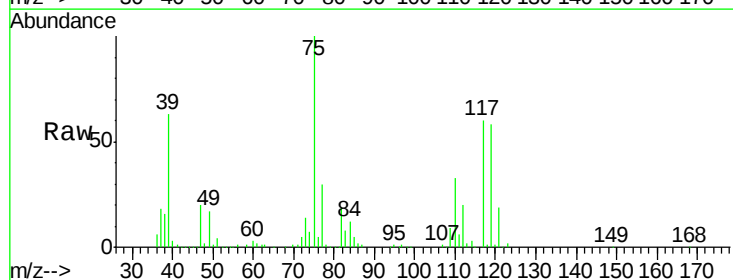
Manual Integrations
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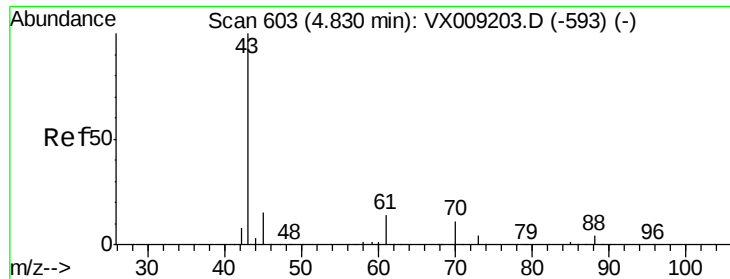
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 5/28/2019 9:52:27 AM



#36
 1,1-Dichloropropene
 Concen: 46.051 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VX009901.D
 Acq: 24 May 2019 20:51

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.1	16.9	50.6
77	30.5	24.8	37.2





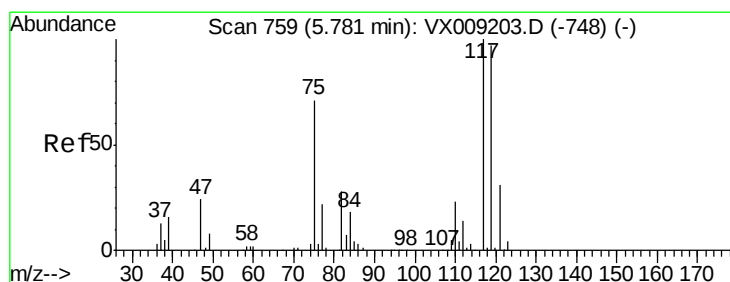
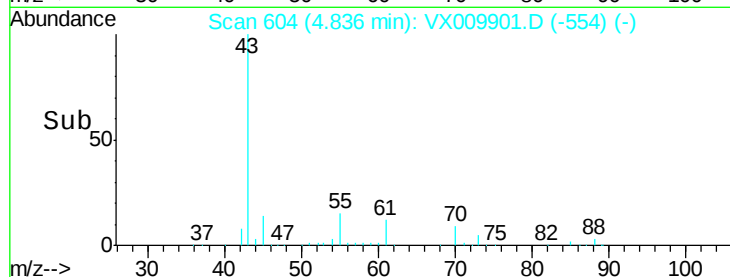
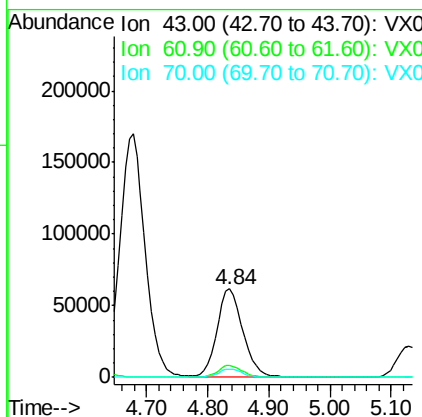
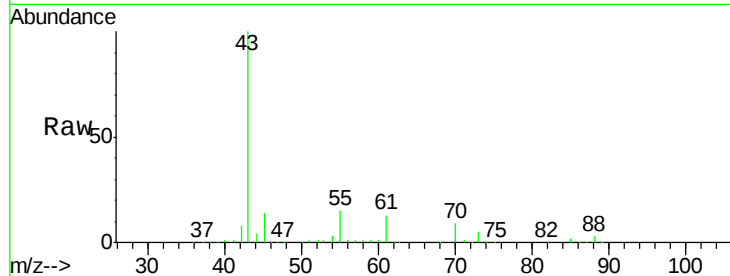
#37
Ethyl Acetate
Concen: 51.358 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.01 min
Lab File: VX009901.D
Acq: 24 May 2019 20:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.6	10.5	15.7
70	9.0	7.9	11.9

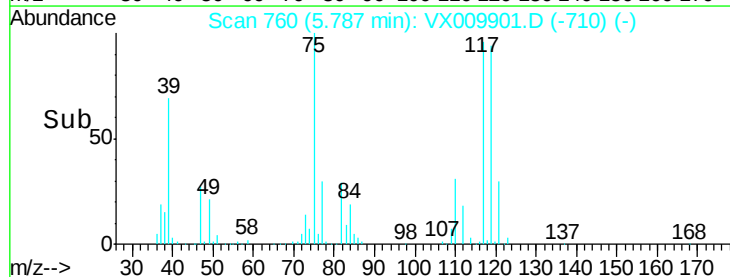
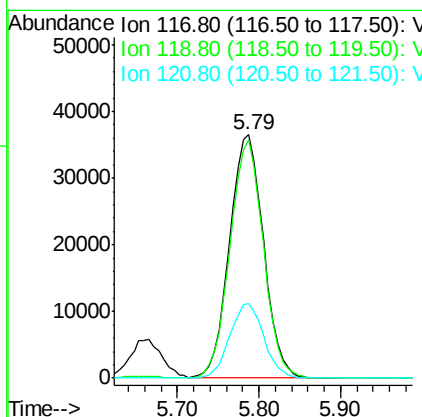
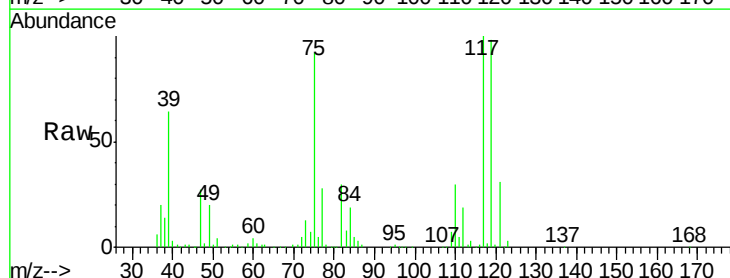
Manual Integrations
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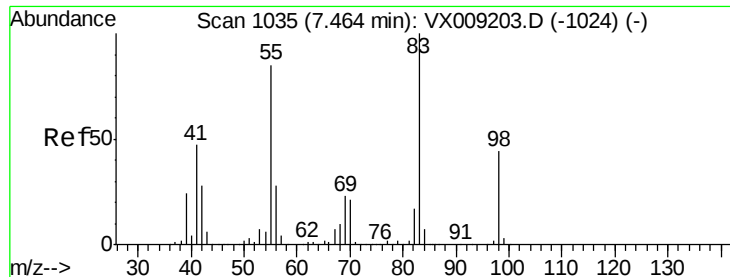
MMDadoda
5/28/2019 9:52:27 AM



#38
Carbon Tetrachloride
Concen: 45.592 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX009901.D
Acq: 24 May 2019 20:51

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.6	77.5	116.3
121	30.8	24.7	37.1





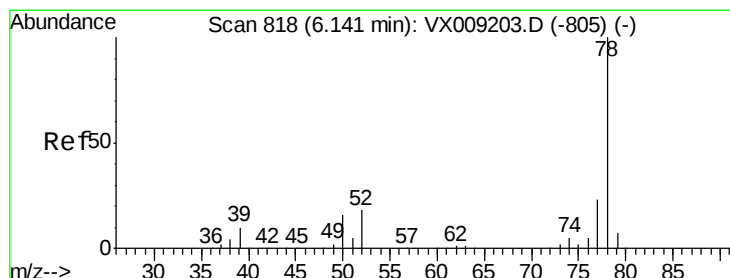
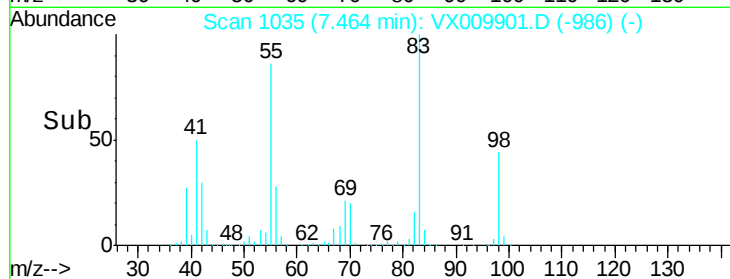
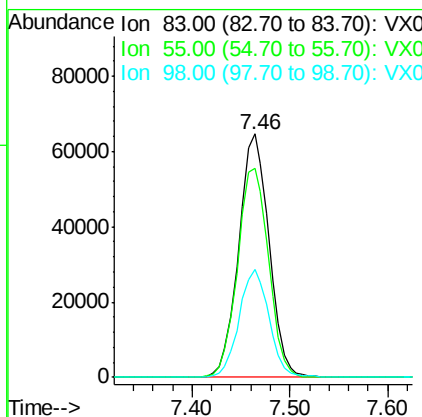
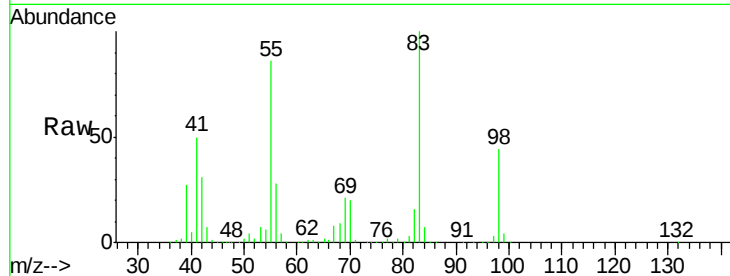
#39
Methvlcvclohexane
Concen: 44.517 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX009901.D
Acq: 24 May 2019 20:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	85.9	67.7	101.5
98	44.3	35.5	53.3

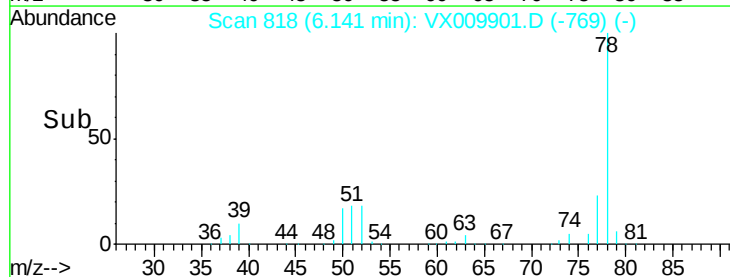
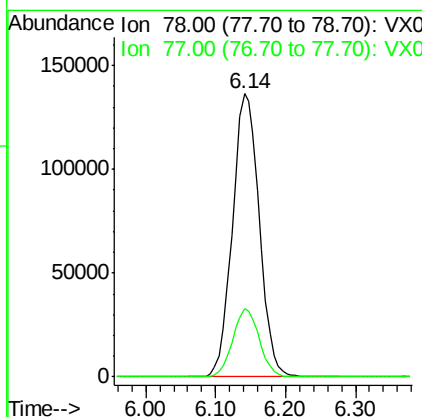
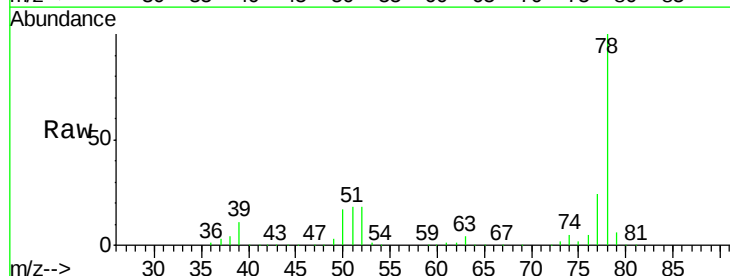
Manual Integrations
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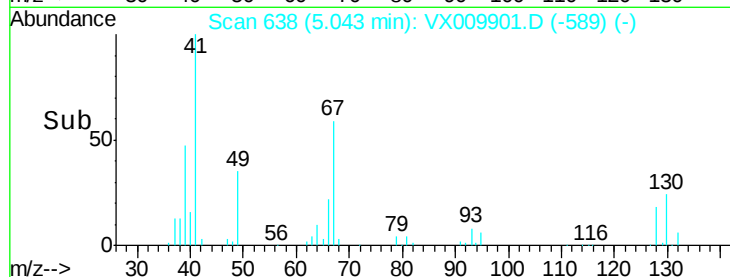
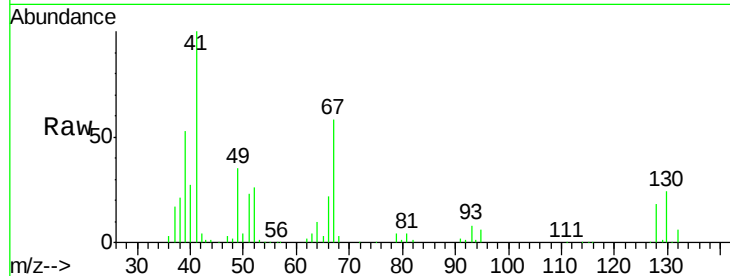
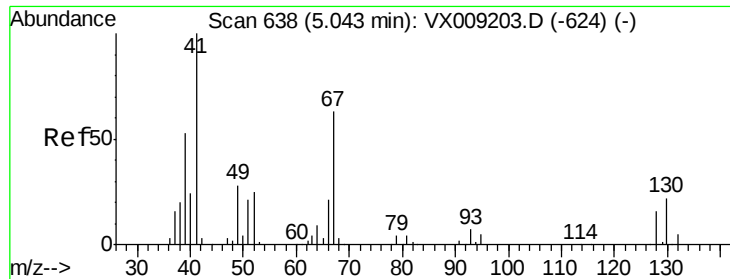
MMDadoda
5/28/2019 9:52:27 AM



#40
Benzene
Concen: 46.088 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX009901.D
Acq: 24 May 2019 20:51

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.8	28.2





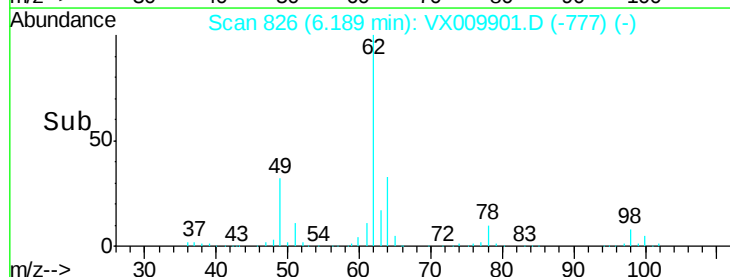
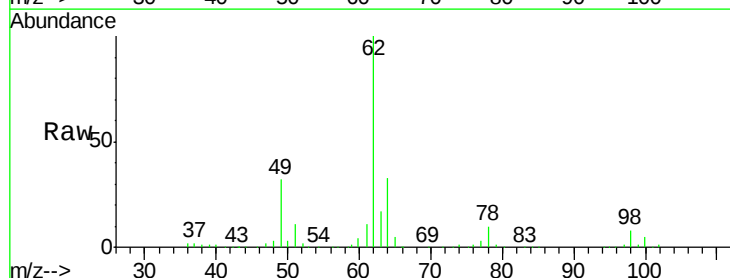
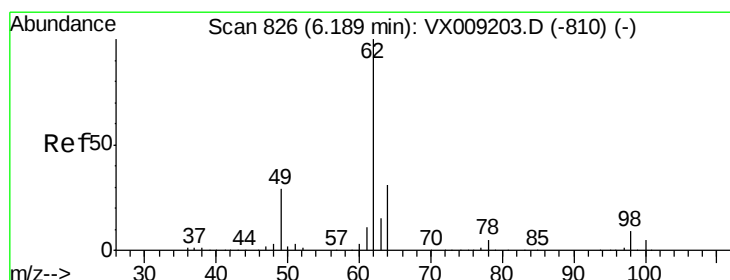
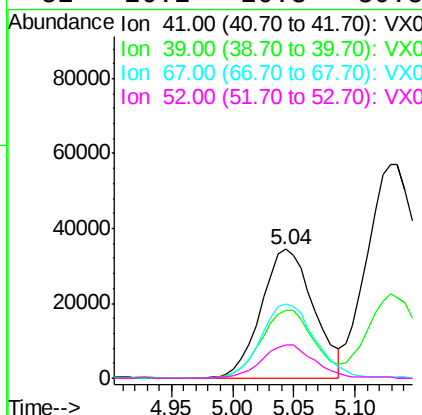
#41
Methacrylonitrile
Concen: 48.552 ug/l
RT: 5.04 min Scan# 638
Delta R.T. 0.00 min
Lab File: VX009901.D
Acq: 24 May 2019 20:51

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		102450		
39	53.1	42.0	63.0		
67	60.0	49.8	74.8		
52	26.2	20.3	30.5		

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

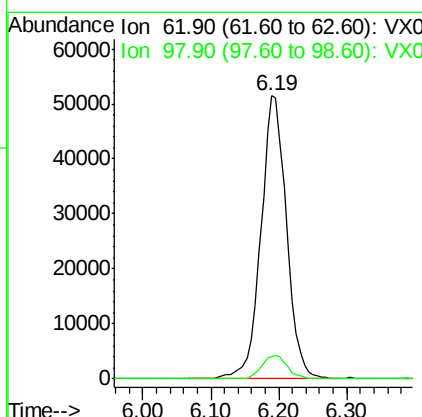
Manual Integrations
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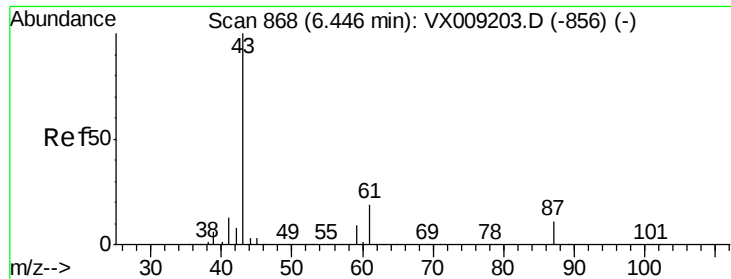
MMDadoda
5/28/2019 9:52:27 AM



#42
1,2-Dichloroethane
Concen: 47.968 ug/l
RT: 6.19 min Scan# 826
Delta R.T. 0.00 min
Lab File: VX009901.D
Acq: 24 May 2019 20:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		135485		
98	8.3	0.0	18.2		





#43

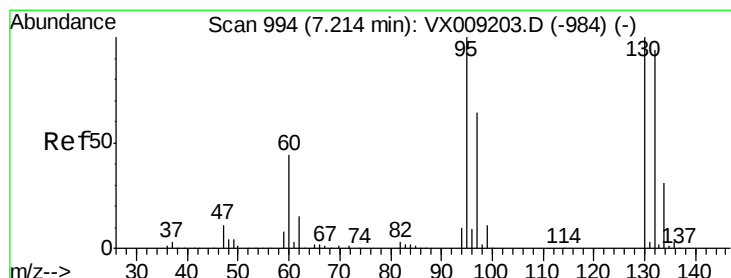
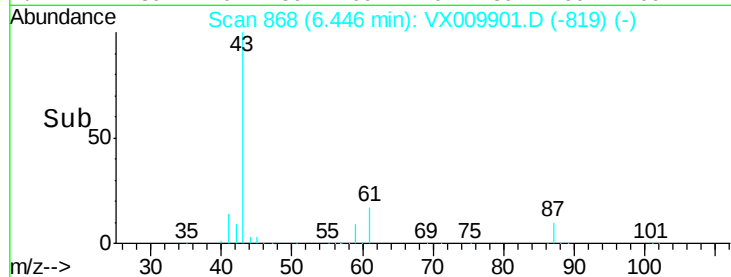
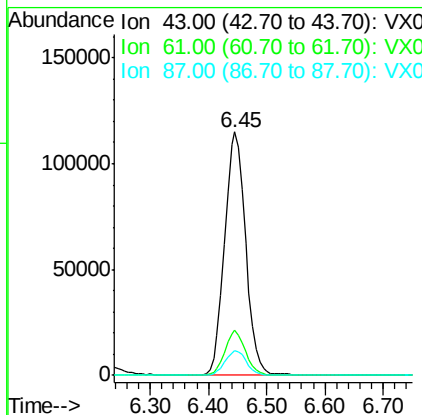
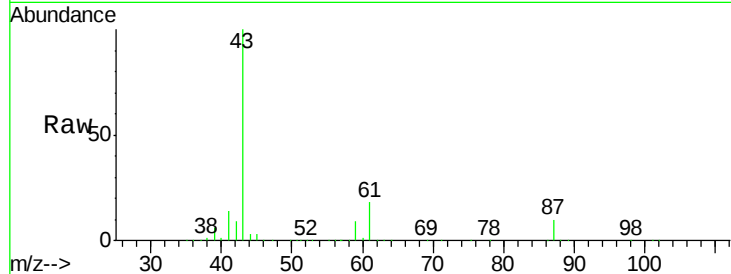
Isopropyl Acetate
 Concen: 50.867 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. 0.00 min
 Lab File: VX009901.D
 Acq: 24 May 2019 20:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.0	15.1	22.7
87	10.4	9.0	13.6

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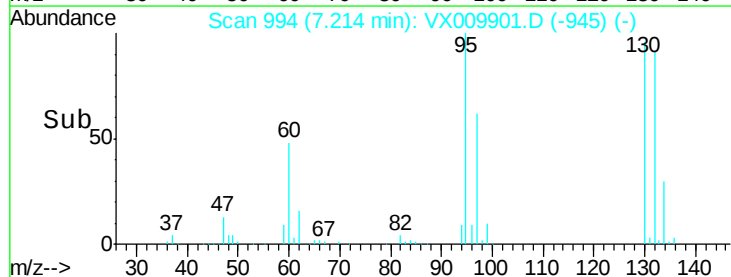
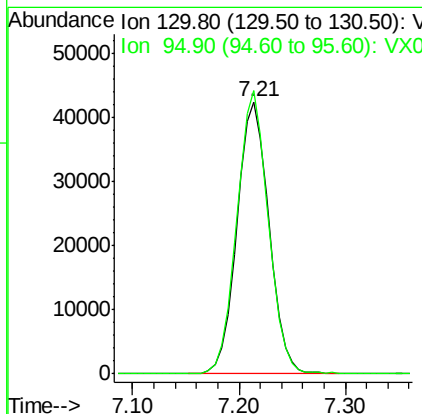
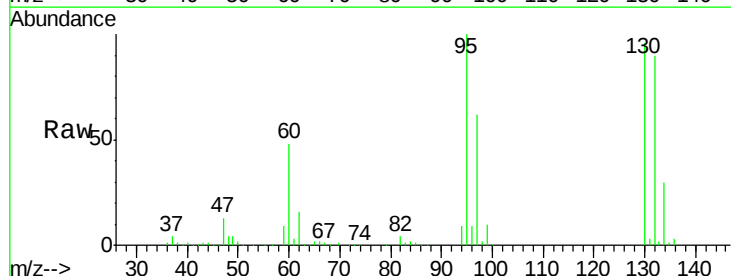
MMDadoda
 5/28/2019 9:52:27 AM

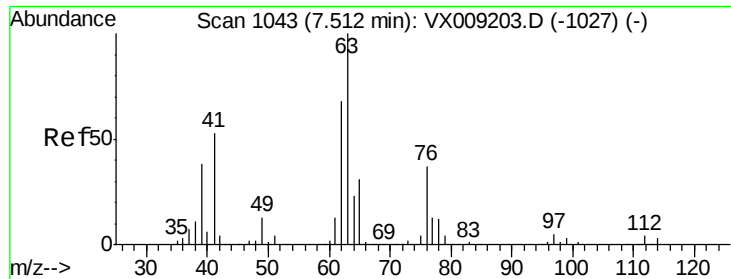


#44

Trichloroethene
 Concen: 47.195 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX009901.D
 Acq: 24 May 2019 20:51

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.9	0.0	199.2





#45

1,2-Dichloropropane

Concen: 47.028 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX009901.D

Acq: 24 May 2019 20:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 104852

Ion Ratio Lower Upper

63 100

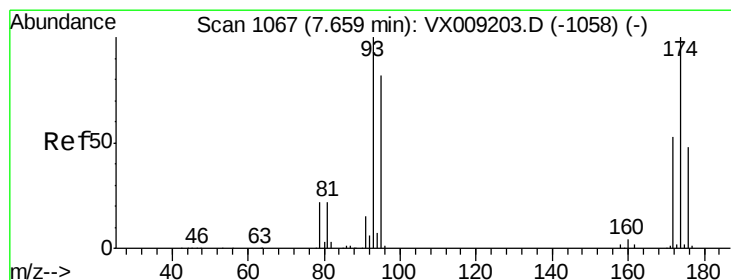
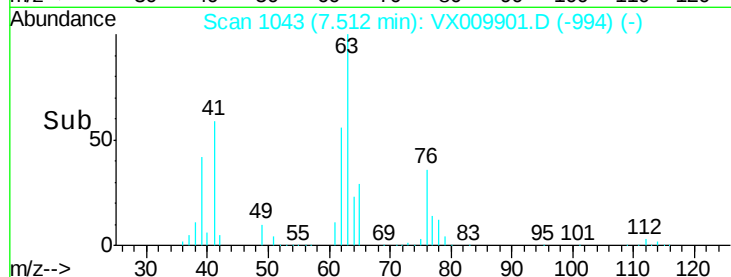
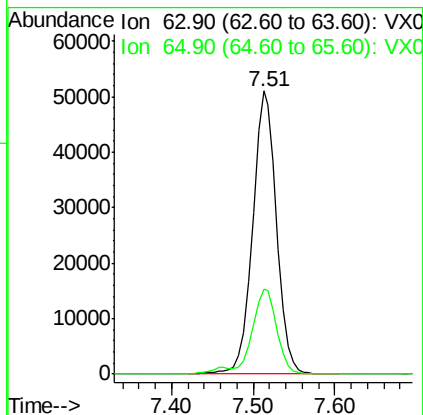
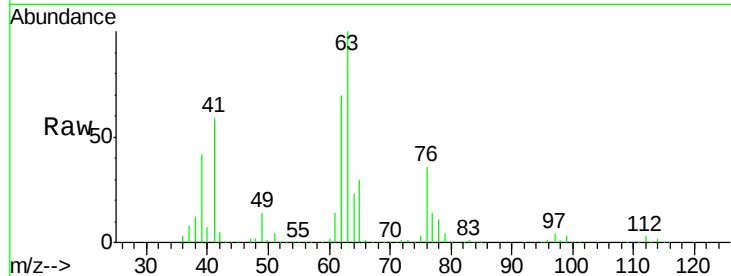
65 30.2 25.0 37.6

Manual Integrations

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#46

Dibromomethane

Concen: 45.606 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX009901.D

Acq: 24 May 2019 20:51

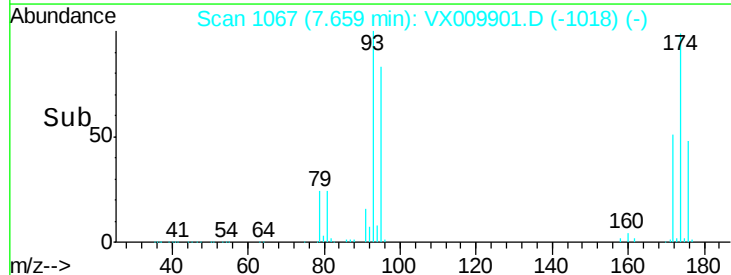
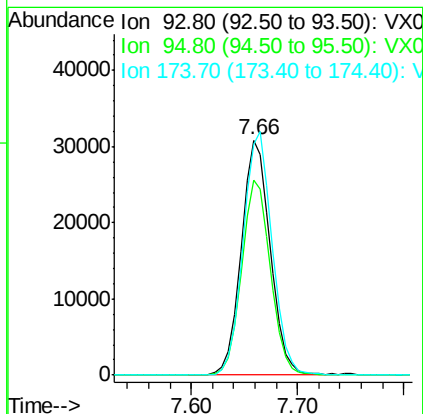
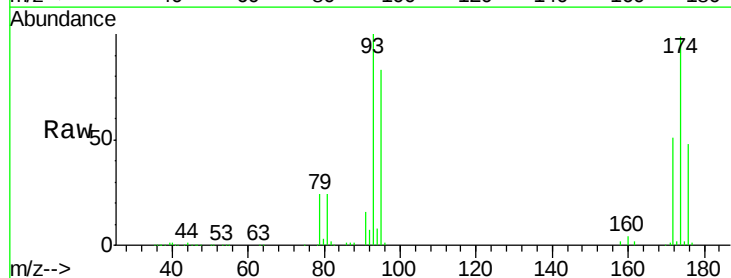
Tgt Ion: 93 Resp: 59047

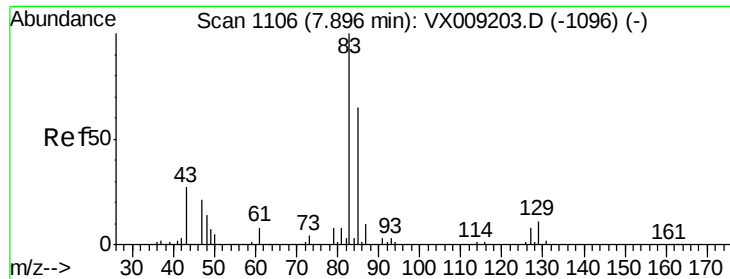
Ion Ratio Lower Upper

93 100

95 82.9 66.5 99.7

174 103.5 82.1 123.1





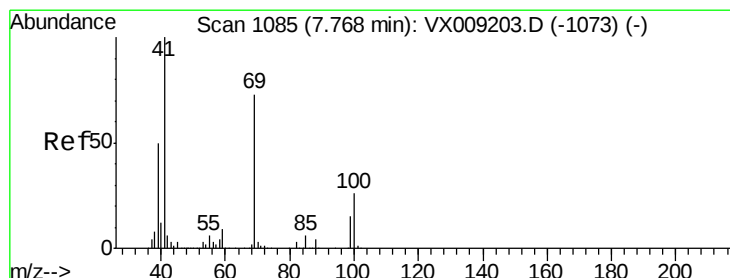
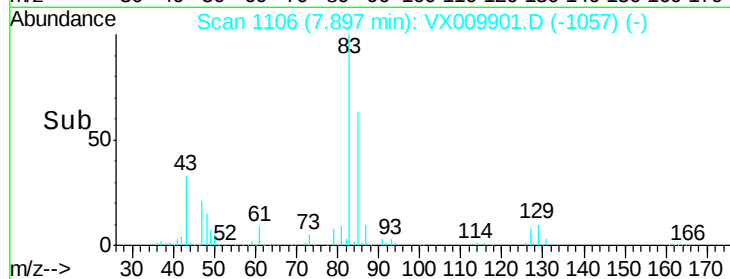
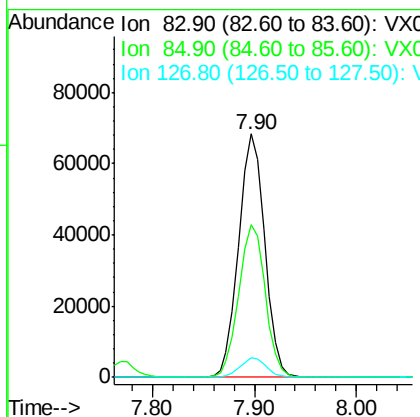
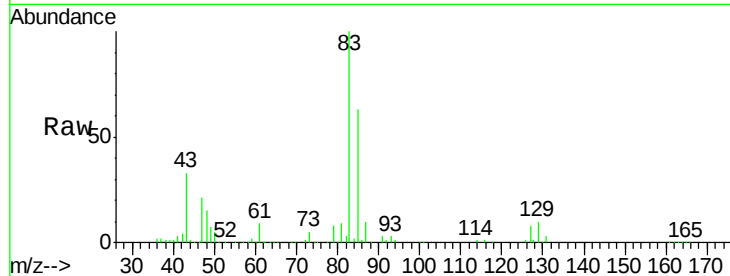
#47
Bromodichloromethane
Concen: 47.037 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VX009901.D
Acq: 24 May 2019 20:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	121480		
85	62.8	52.4	78.6	
127	7.9	6.6	10.0	

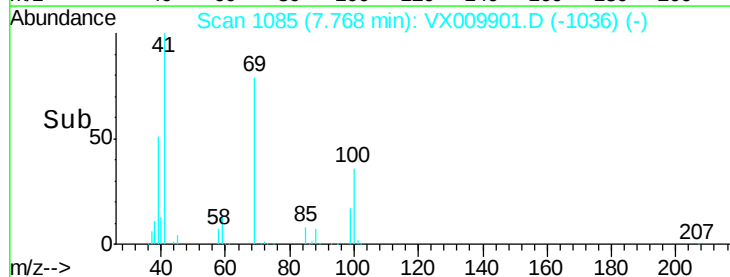
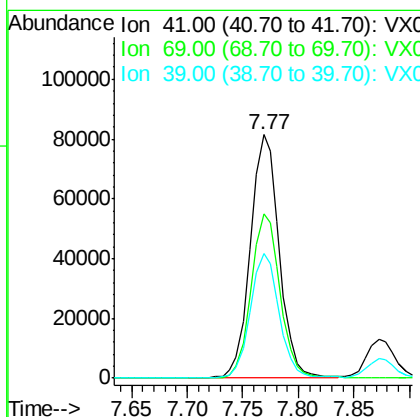
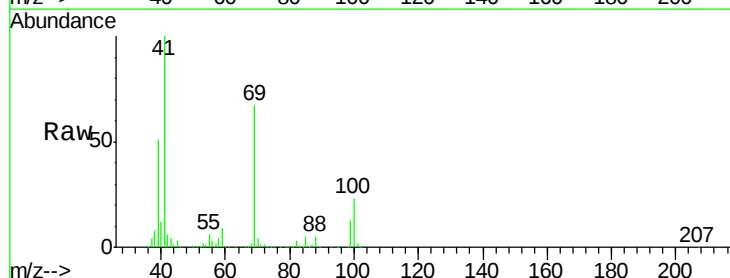
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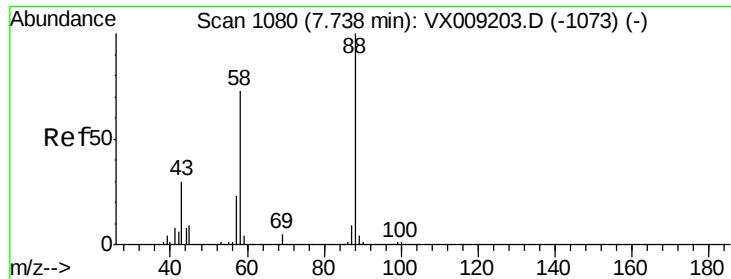
MMDadoda
5/28/2019 9:52:27 AM



#48
Methyl methacrylate
Concen: 52.190 ug/l
RT: 7.77 min Scan# 1085
Delta R.T. 0.00 min
Lab File: VX009901.D
Acq: 24 May 2019 20:51

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	146816		
69	68.1	59.1	88.7	
39	51.0	40.4	60.6	





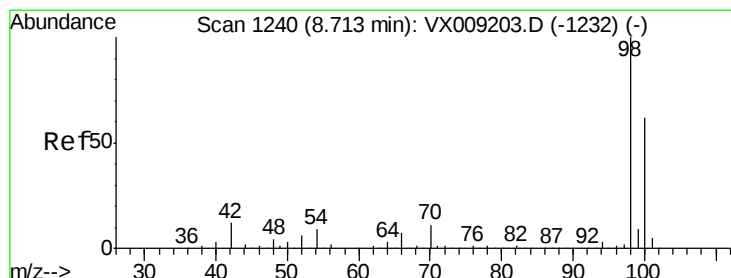
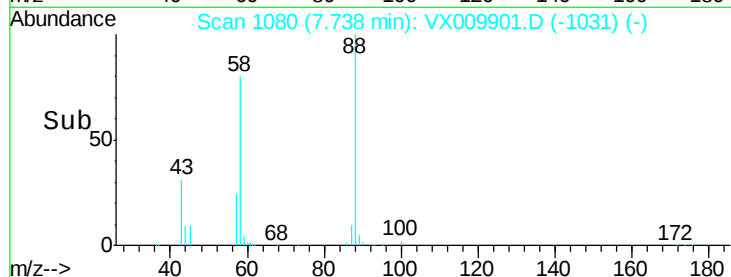
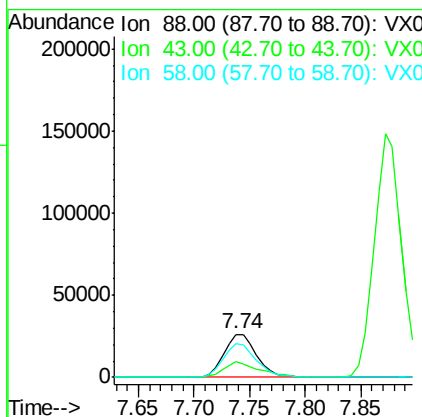
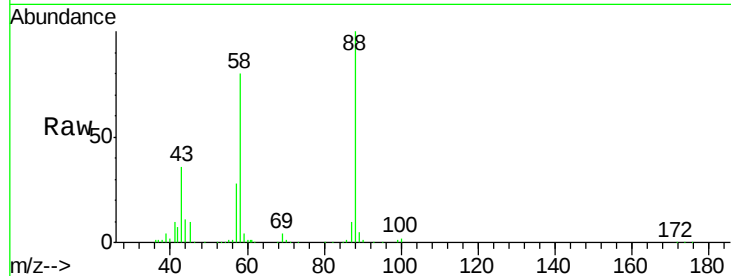
#49
1,4-Dioxane
Concen: 925.013 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX009901.D
Acq: 24 May 2019 20:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.1	28.6	42.8
58	80.1	61.7	92.5

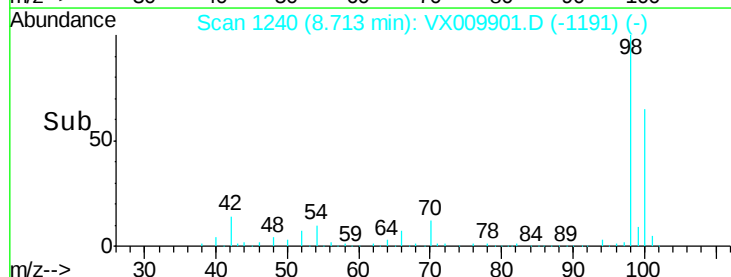
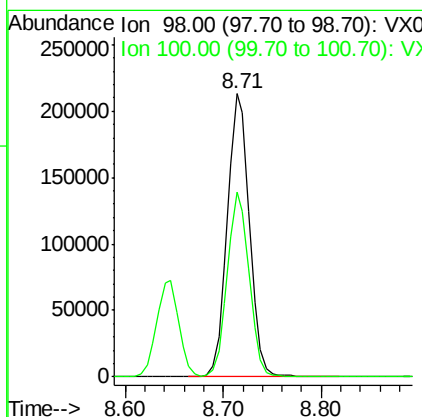
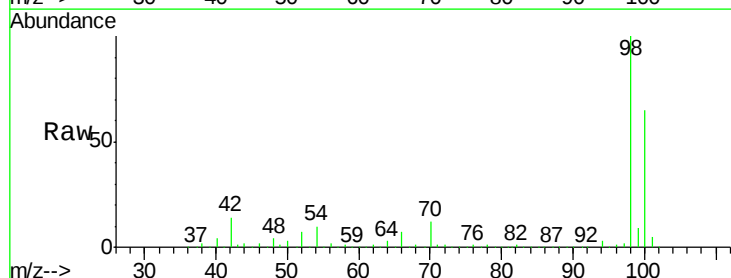
Manual Integrations
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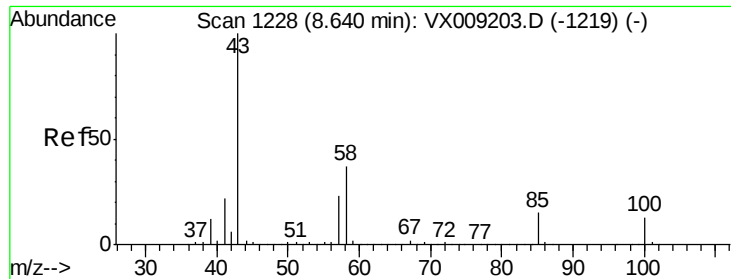
MMDadoda
5/28/2019 9:52:27 AM



#50
Toluene-d8
Concen: 47.994 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009901.D
Acq: 24 May 2019 20:51

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 262.682 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX009901.D

Acq: 24 May 2019 20:51

Instrument :

MSVOA_X

ClientSampleID :

VSTDCCC050EC

Tot Ion: 43 Resp: 973526

Ion Ratio Lower Upper

43 100

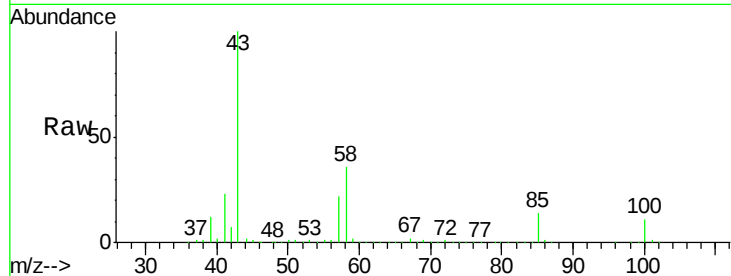
58 35.6 29.5 44.3

Manual Integrations

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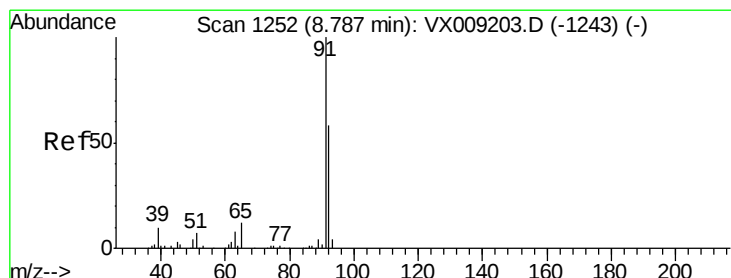
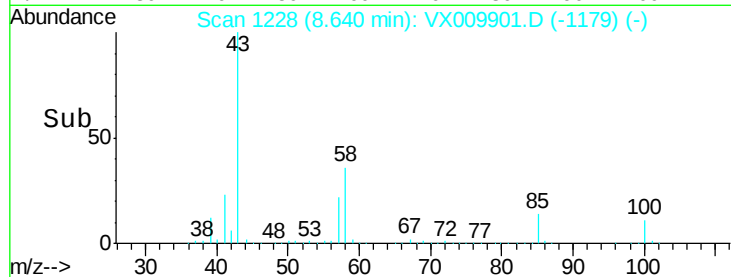
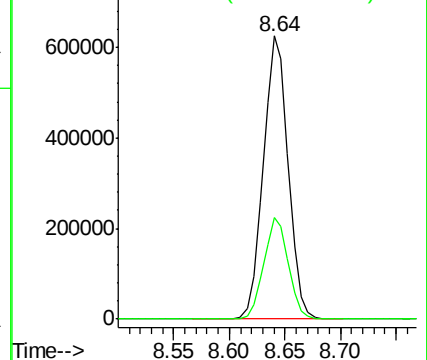
MMDadoda

5/28/2019 9:52:27 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 46.314 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX009901.D

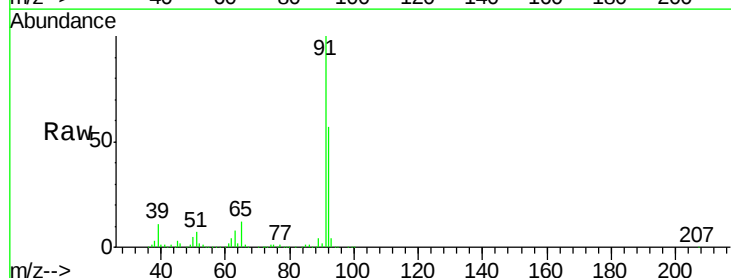
Acq: 24 May 2019 20:51

Tgt Ion: 92 Resp: 221672

Ion Ratio Lower Upper

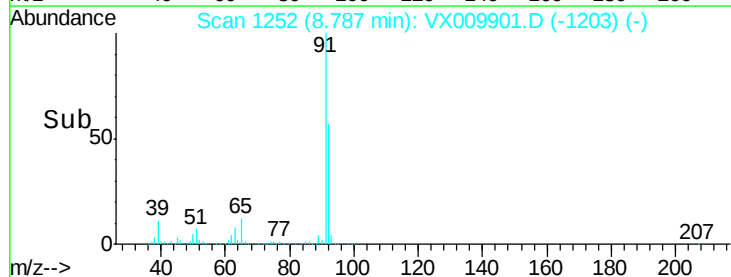
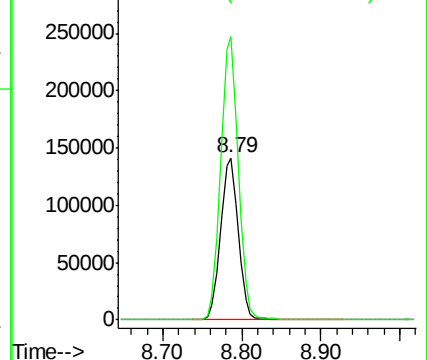
92 100

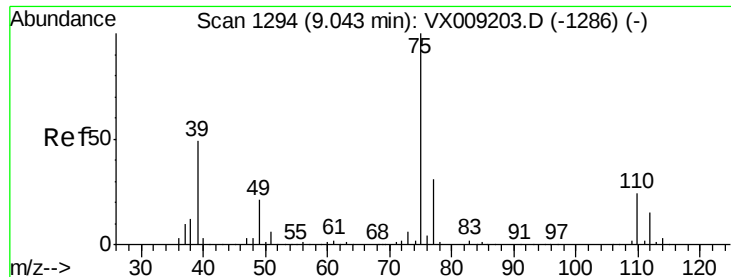
91 174.4 138.8 208.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





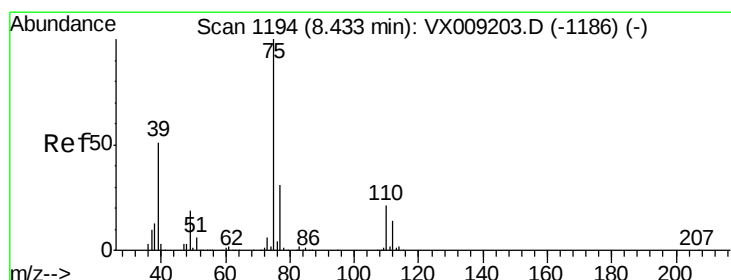
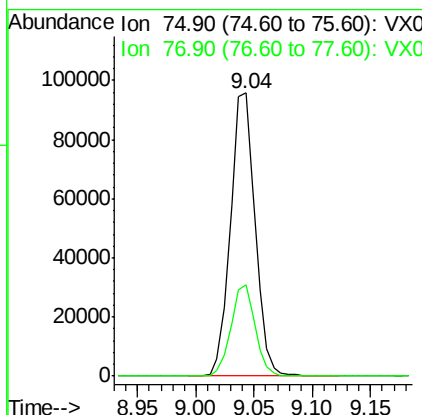
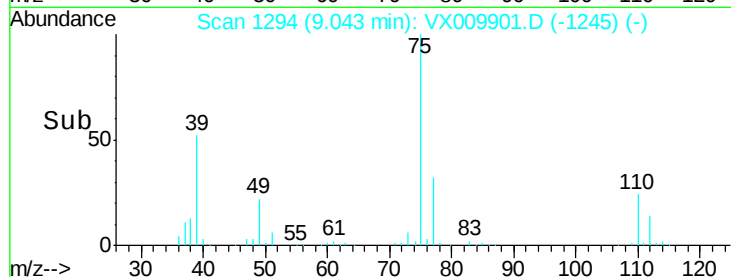
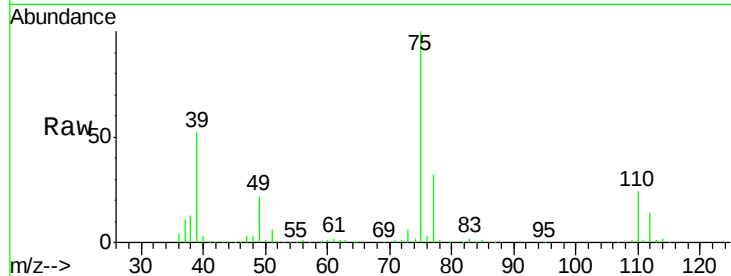
#53
t-1,3-Dichloropropene
Concen: 48.659 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX009901.D
Acq: 24 May 2019 20:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 141880
Ion Ratio Lower Upper
75 100
77 32.4 25.0 37.6

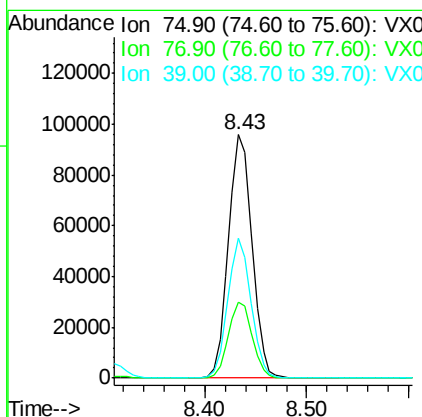
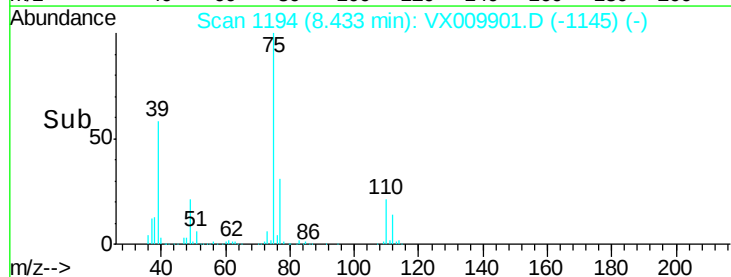
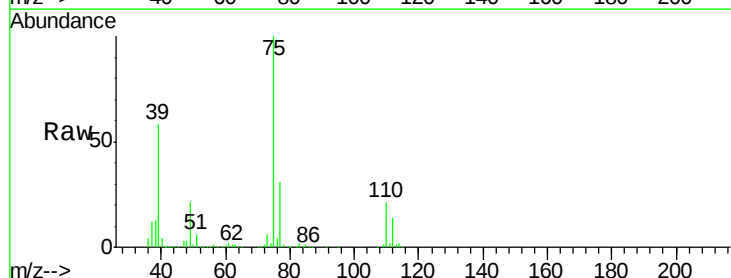
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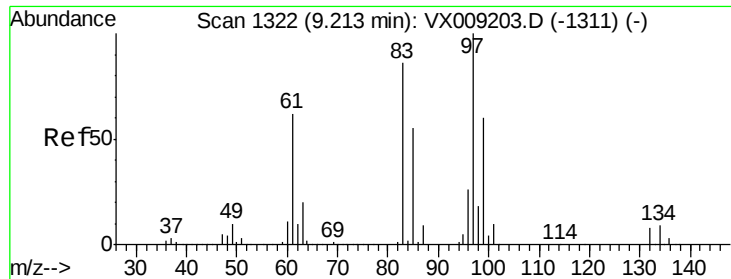
MMDadoda
5/28/2019 9:52:27 AM



#54
cis-1,3-Dichloropropene
Concen: 47.438 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX009901.D
Acq: 24 May 2019 20:51

Tgt Ion: 75 Resp: 153098
Ion Ratio Lower Upper
75 100
77 31.2 24.6 36.8
39 57.6 40.6 60.8





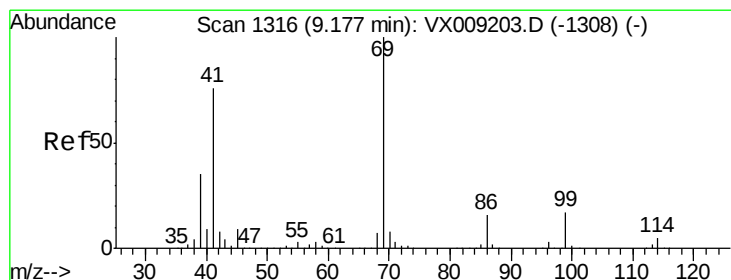
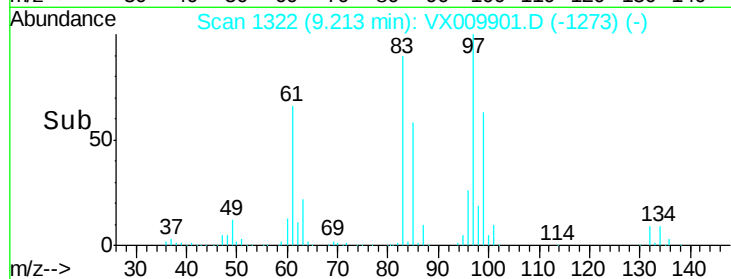
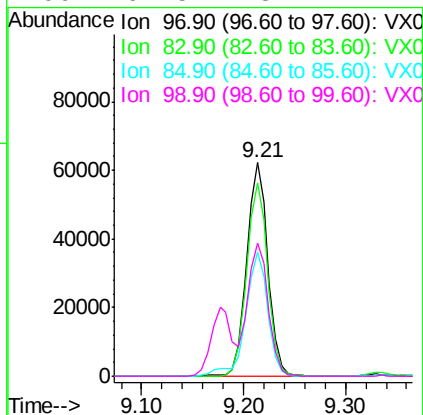
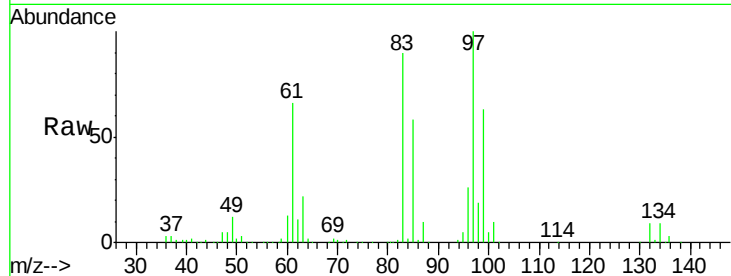
#55
 1,1,2-Trichloroethane
 Concen: 45.860 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX009901.D
 Acq: 24 May 2019 20:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	89549
Ion	Ratio	Lower	Upper
97	100		
83	90.3	68.9	103.3
85	58.2	43.8	65.6
99	62.5	48.2	72.2

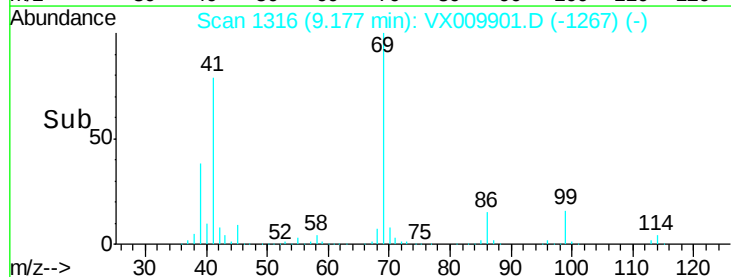
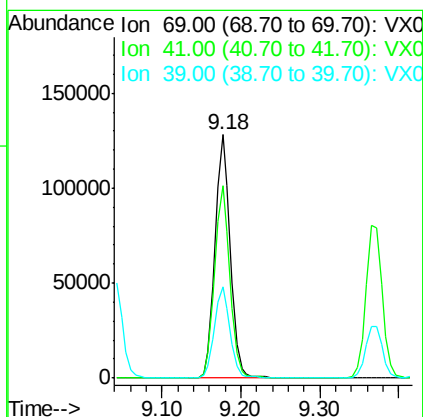
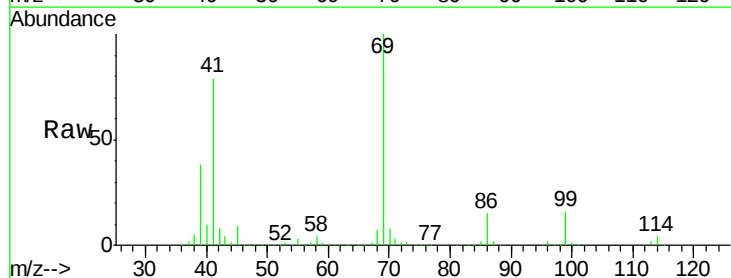
Manual Integrations
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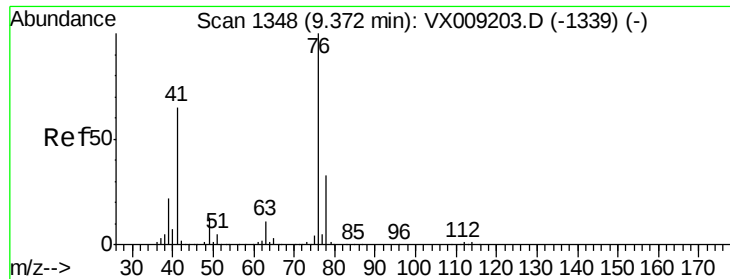
MMDadoda
 5/28/2019 9:52:27 AM



#56
 Ethyl methacrylate
 Concen: 49.932 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX009901.D
 Acq: 24 May 2019 20:51

Tgt Ion:	69	Resp:	174043
Ion	Ratio	Lower	Upper
69	100		
41	79.1	60.6	90.8
39	37.8	28.2	42.4





#57

1,3-Dichloropropane

Concen: 47.135 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX009901.D

Acq: 24 May 2019 20:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 161967

Ion Ratio Lower Upper

76 100

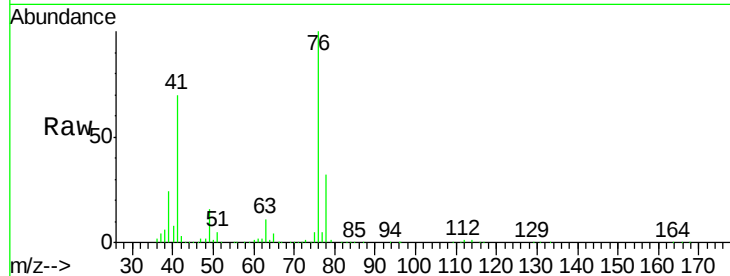
78 32.1 25.5 38.3

Manual Integrations

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MMDadoda

5/28/2019 9:52:27 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

120000

100000

80000

60000

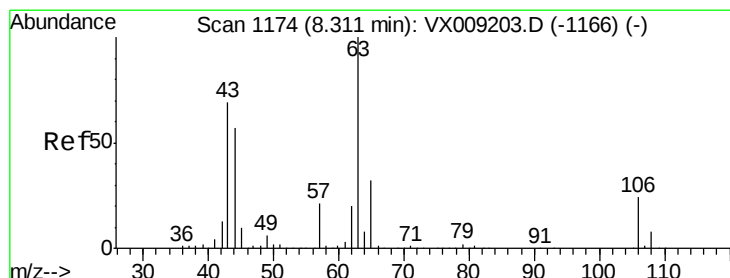
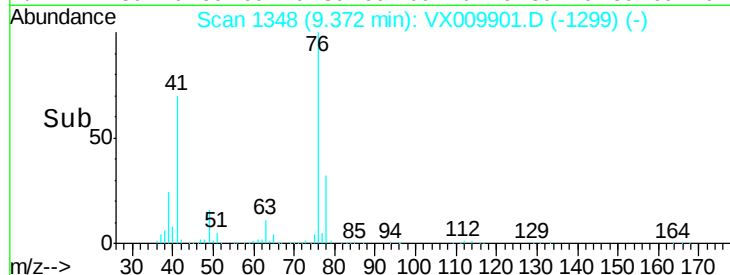
40000

20000

0

9.30 9.40 9.50

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 235.045 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX009901.D

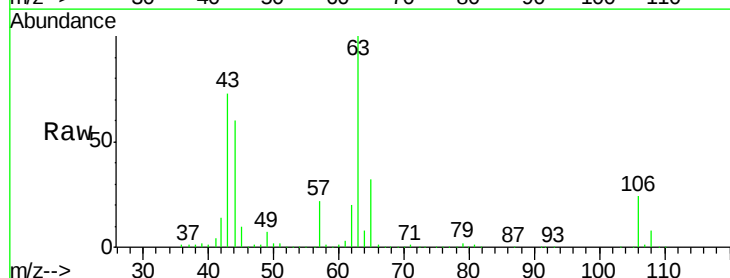
Acq: 24 May 2019 20:51

Tgt Ion: 63 Resp: 434625

Ion Ratio Lower Upper

63 100

106 24.0 19.7 29.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.31

300000

250000

200000

150000

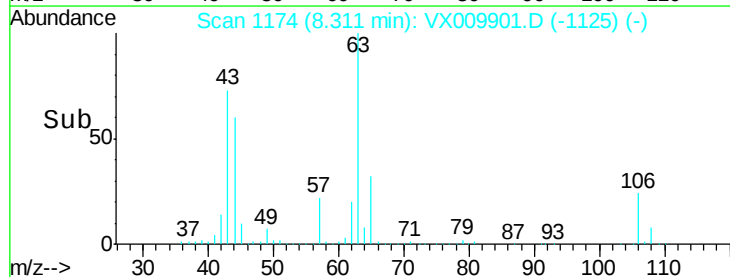
100000

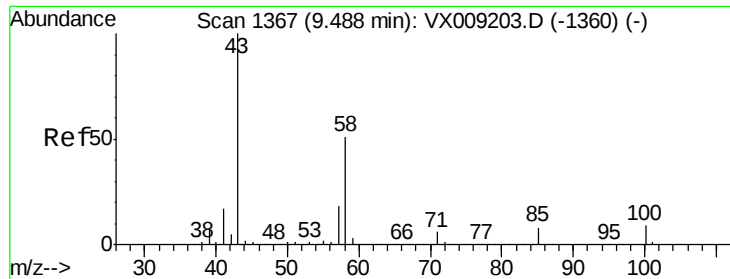
50000

0

8.20 8.30 8.40

Time-->





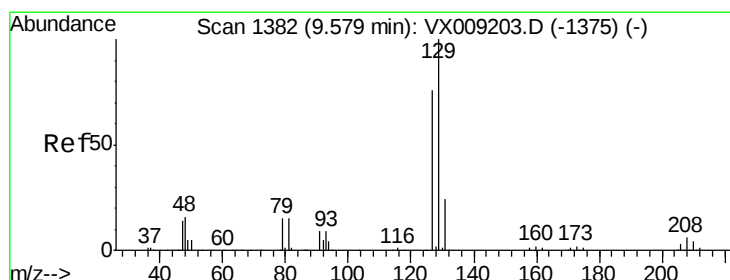
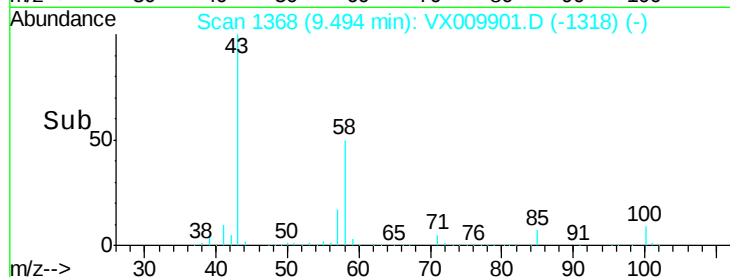
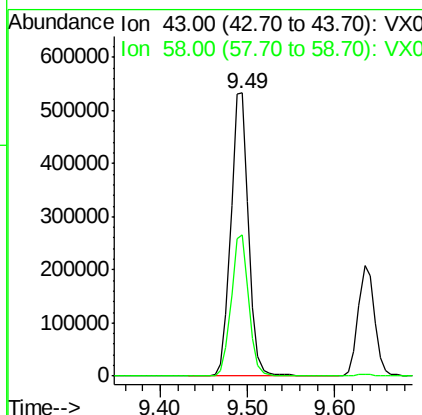
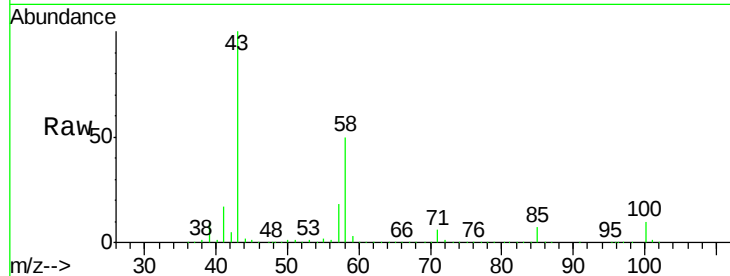
#59
2-Hexanone
Concen: 258.235 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.01 min
Lab File: VX009901.D
Acq: 24 May 2019 20:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	58	Ratio	Lower	Upper
751651	100	49.6		25.9	77.7

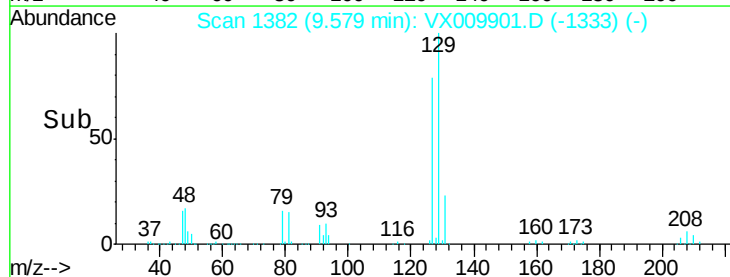
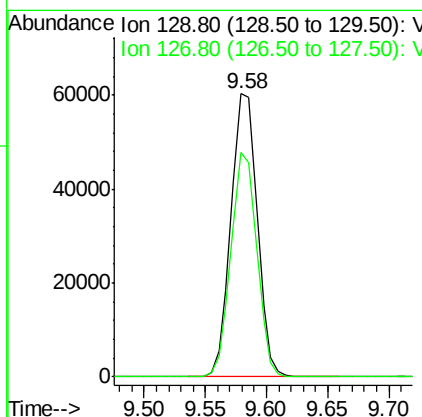
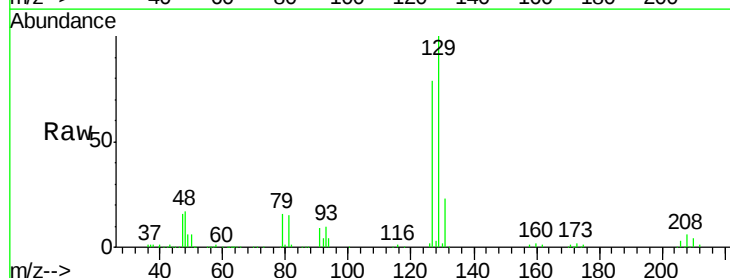
Manual Integrations
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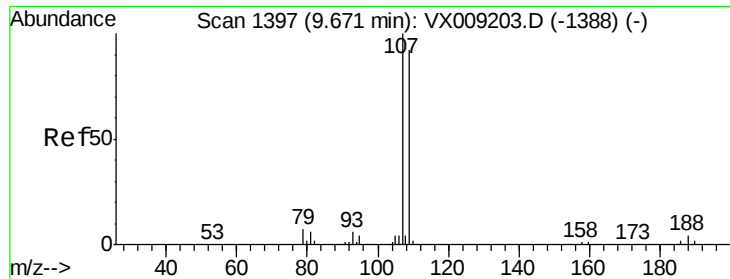
MMDadoda
5/28/2019 9:52:27 AM



#60
Dibromochloromethane
Concen: 47.008 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX009901.D
Acq: 24 May 2019 20:51

Tgt Ion	129	127	Ratio	Lower	Upper
89651	100	78.2		38.4	115.1





#61

1,2-Dibromoethane

Concen: 47.140 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX009901.D

Acq: 24 May 2019 20:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 92918

Ion Ratio Lower Upper

107 100

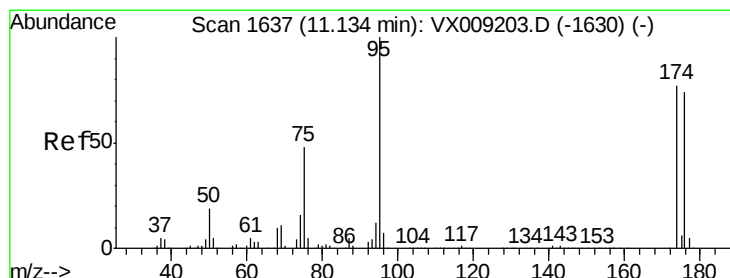
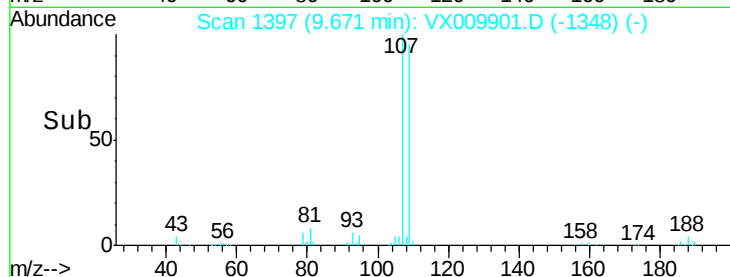
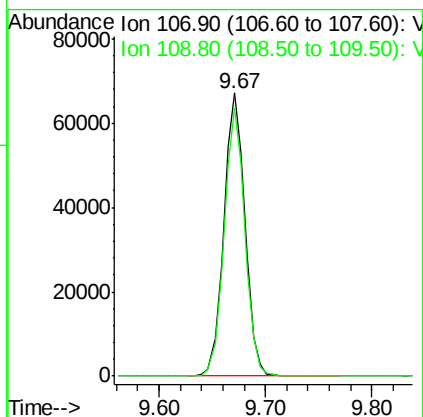
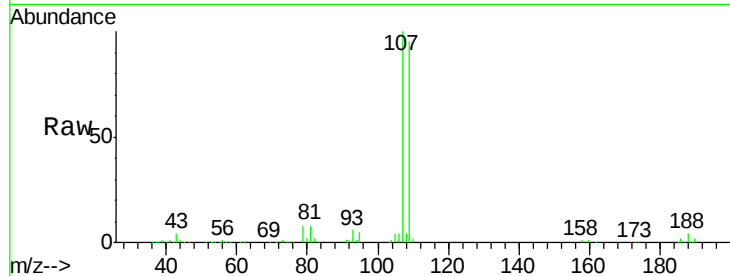
109 93.6 75.2 112.8

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 49.316 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009901.D

Acq: 24 May 2019 20:51

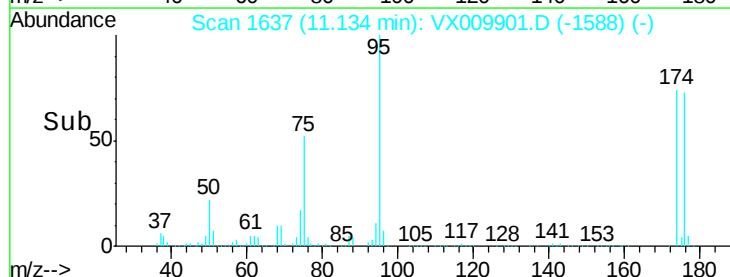
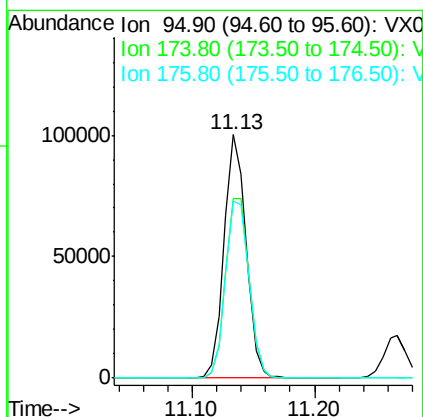
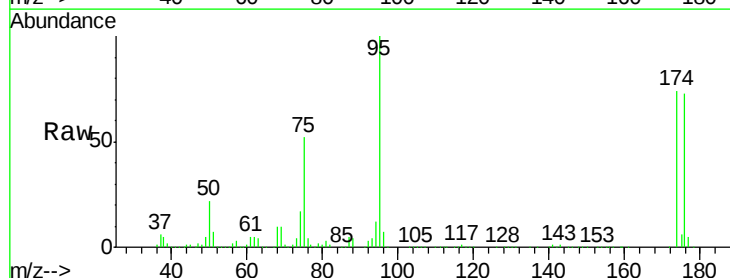
Tgt Ion: 95 Resp: 124510

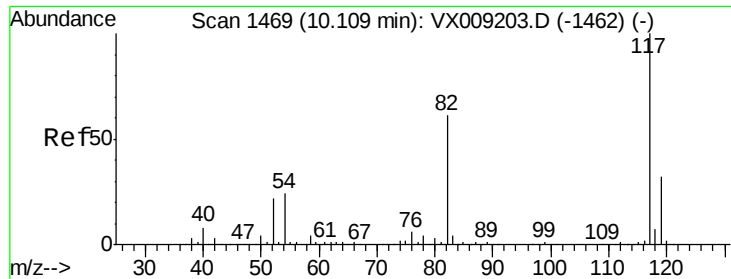
Ion Ratio Lower Upper

95 100

174 79.3 0.0 161.6

176 78.0 0.0 159.2





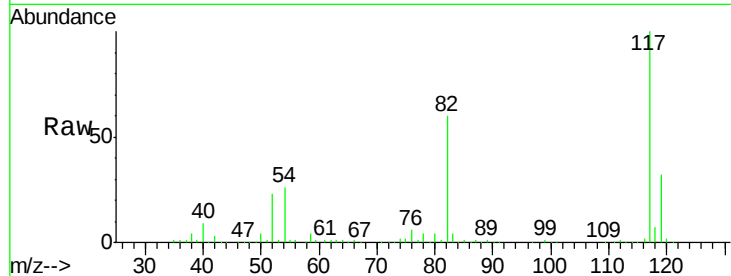
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009901.D
Acq: 24 May 2019 20:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.5	48.8	73.2
119	32.2	25.8	38.6

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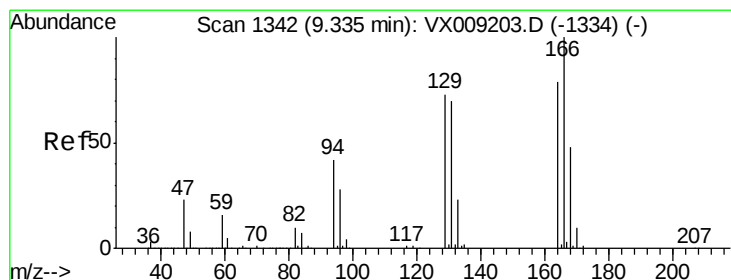
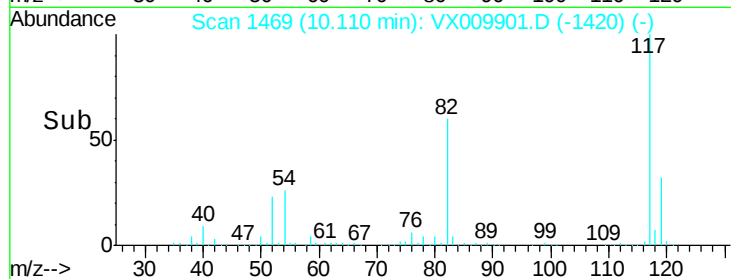
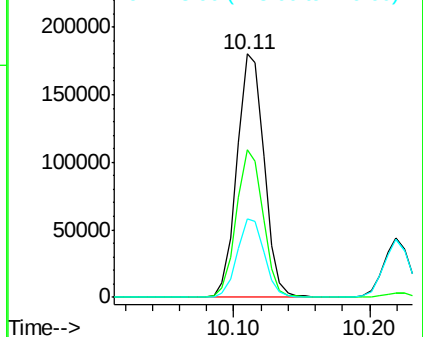


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 44.104 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX009901.D
Acq: 24 May 2019 20:51

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.0	101.2	151.8
129	92.7	74.3	111.5
131	87.1	71.0	106.6

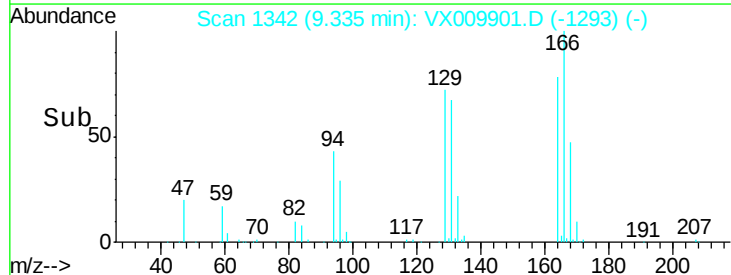
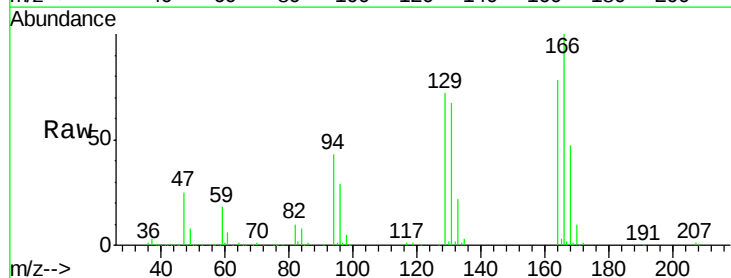
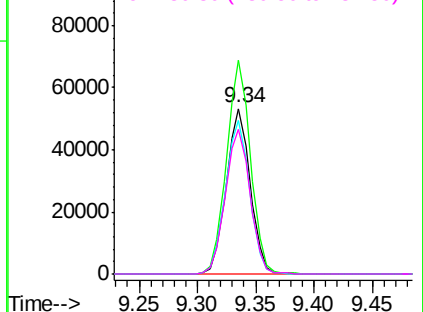
Abundance

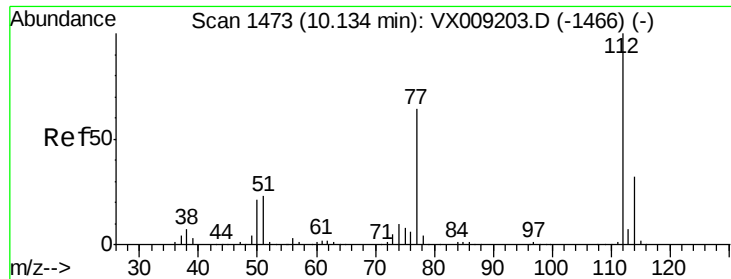
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





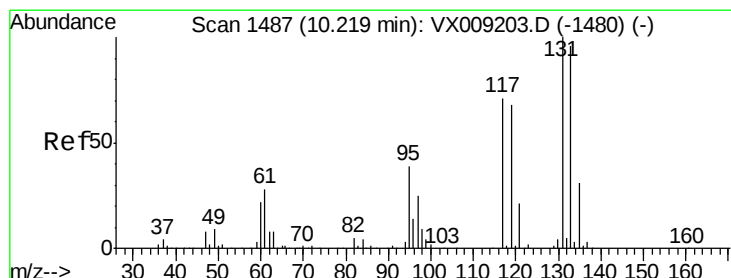
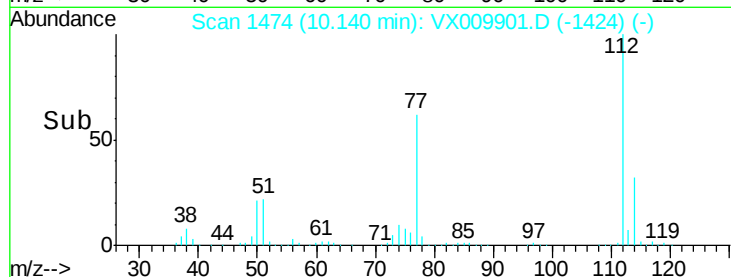
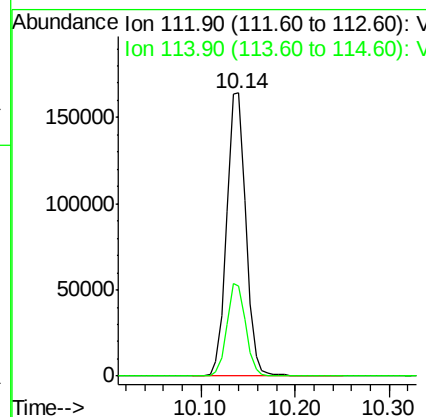
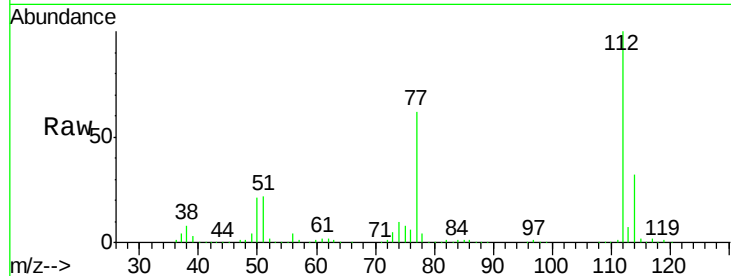
#65
Chlorobenzene
Concen: 46.117 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX009901.D
Acq: 24 May 2019 20:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 231408
Ion Ratio Lower Upper
112 100
114 32.0 25.5 38.3

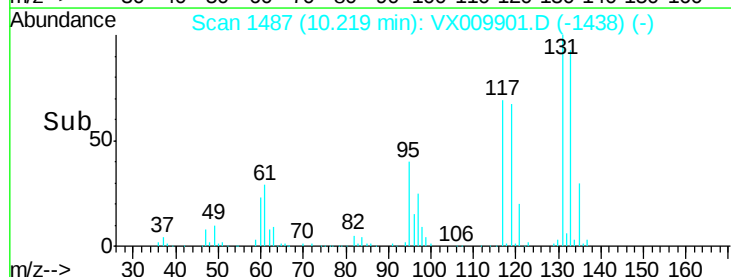
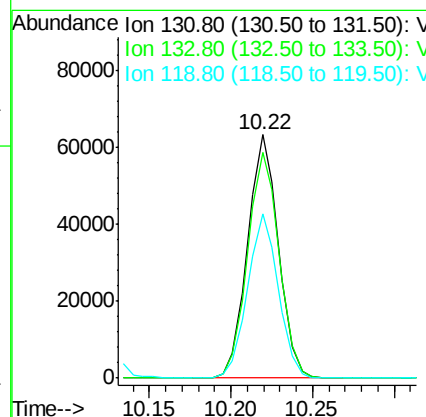
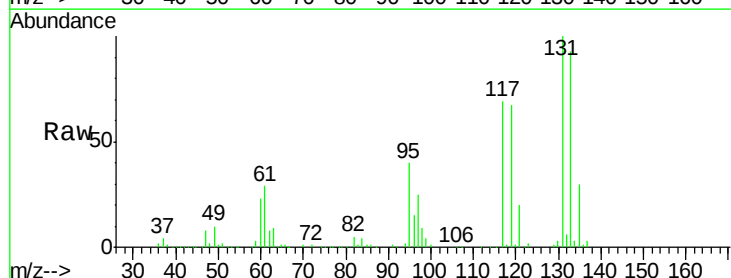
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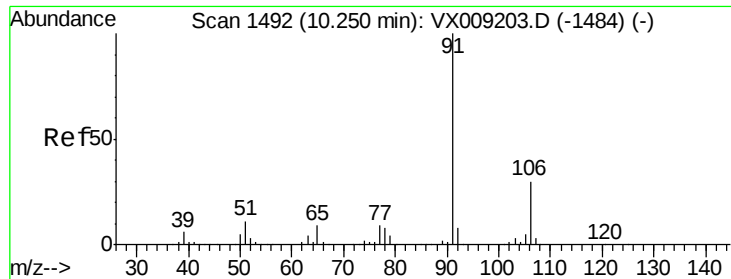
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#66
1,1,1,2-Tetrachloroethane
Concen: 45.912 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX009901.D
Acq: 24 May 2019 20:51

Tgt Ion:131 Resp: 83521
Ion Ratio Lower Upper
131 100
133 94.7 47.7 143.1
119 67.3 33.5 100.4





#67

Ethyl Benzene

Concen: 46.439 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX009901.D

Acq: 24 May 2019 20:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 428847

Ion Ratio Lower Upper

91 100

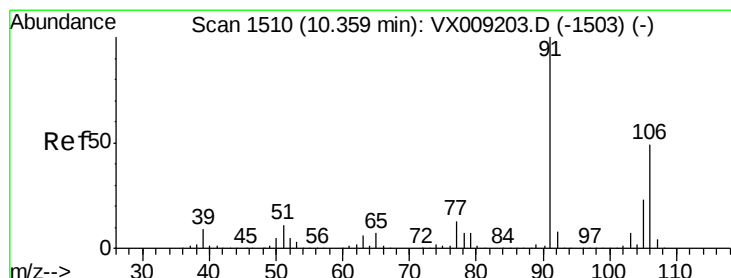
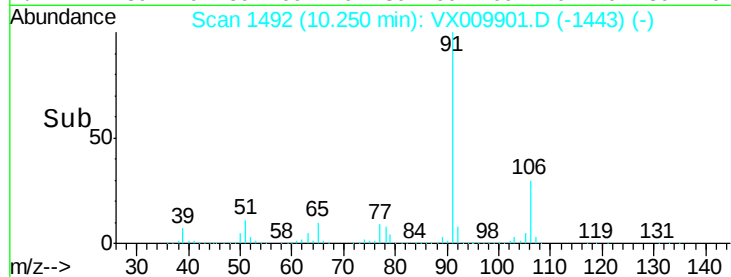
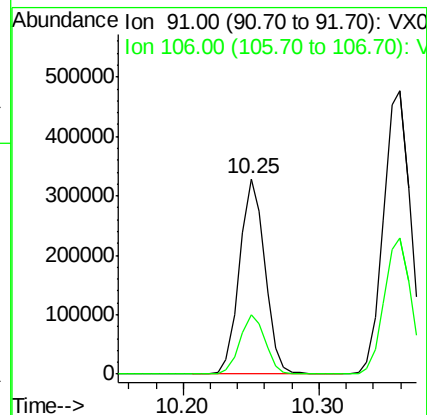
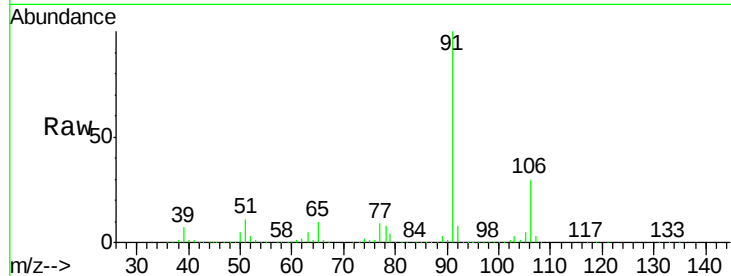
106 30.4 24.0 36.0

Manual Integrations

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#68

m/p-Xylenes

Concen: 93.313 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX009901.D

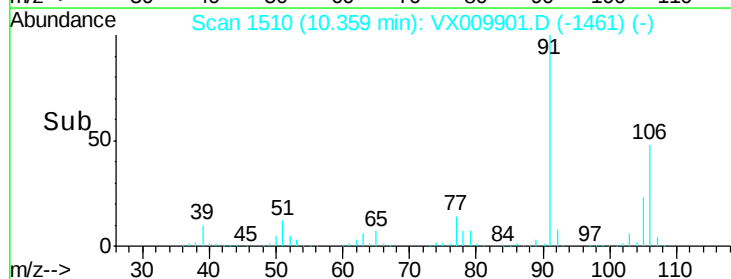
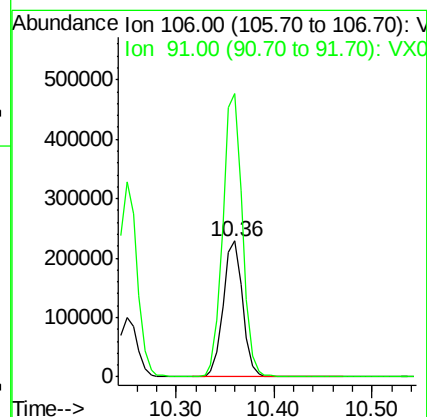
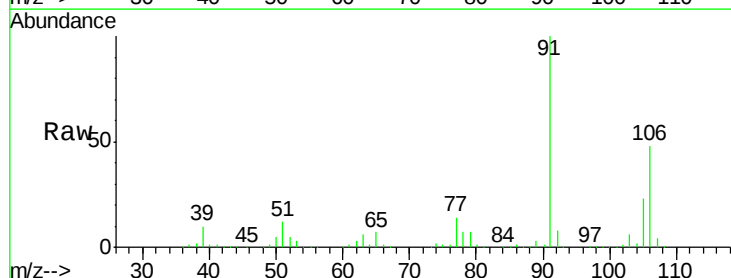
Acq: 24 May 2019 20:51

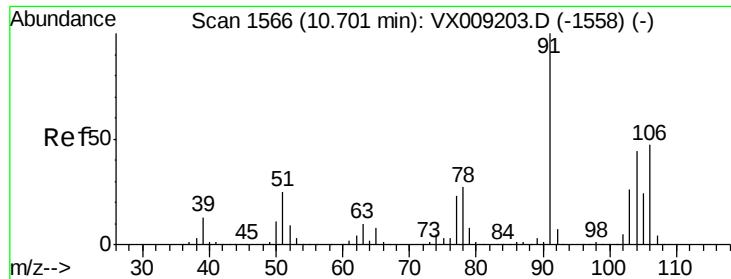
Tgt Ion: 106 Resp: 314897

Ion Ratio Lower Upper

106 100

91 209.7 164.0 246.0





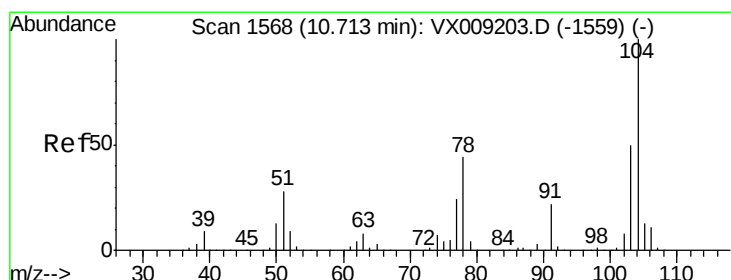
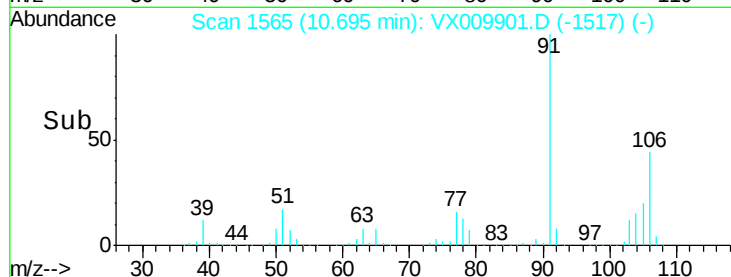
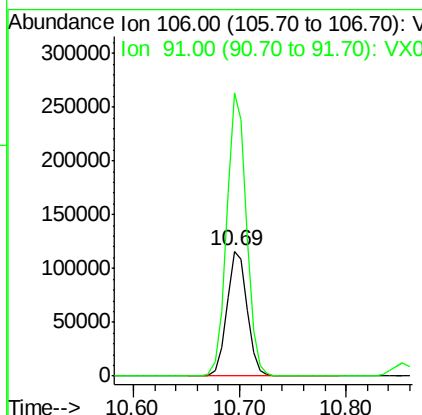
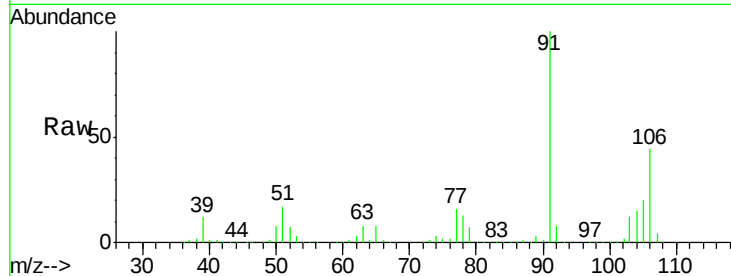
#69
o-Xylene
Concen: 46.193 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX009901.D
Acq: 24 May 2019 20:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	222.0	109.5	153803	328.4	

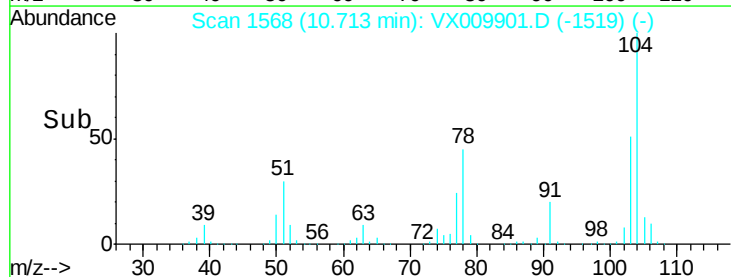
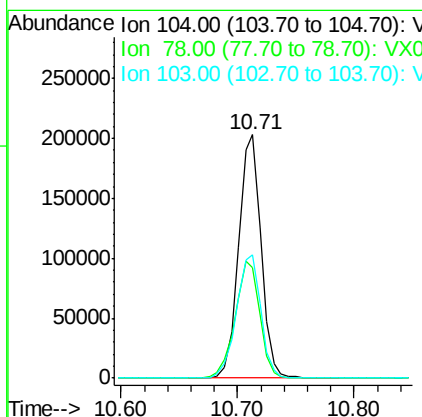
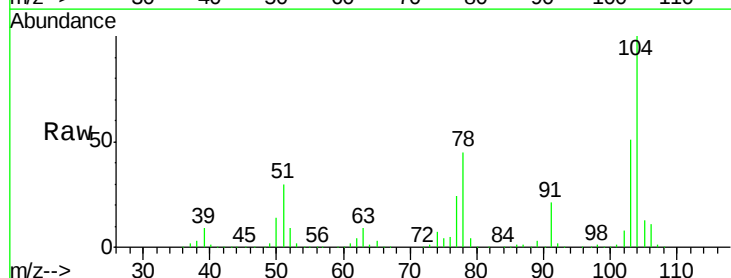
Manual Integrations
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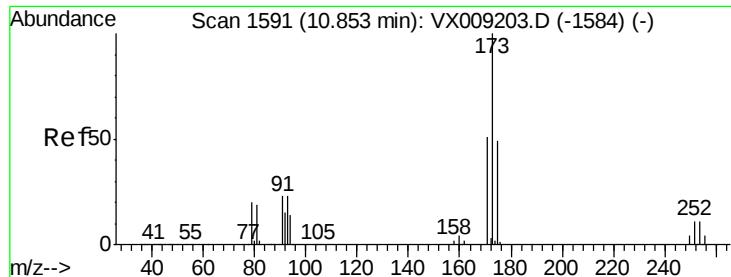
MMDadoda
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#70
Styrene
Concen: 47.068 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX009901.D
Acq: 24 May 2019 20:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	52.8	41.0	272388	61.4	
103	55.4	43.8		65.6	





#71

Bromoform

Concen: 47.797 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX009901.D

Acq: 24 May 2019 20:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 70661

Ion Ratio Lower Upper

173 100

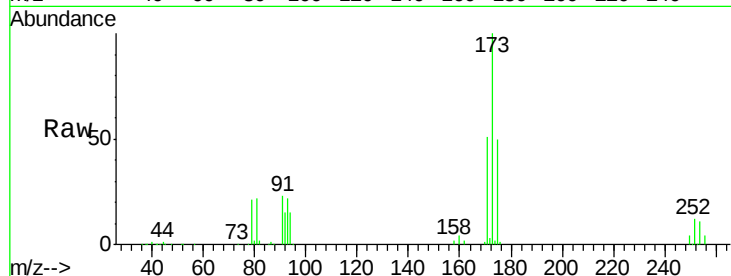
175 49.2 24.5 73.5

254 0.1 0.1 0.1#

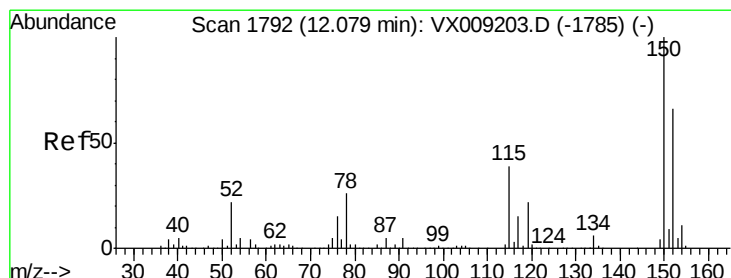
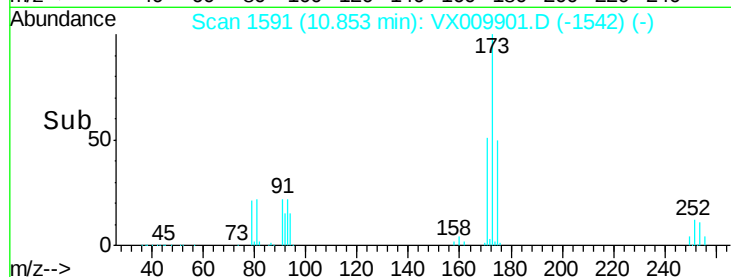
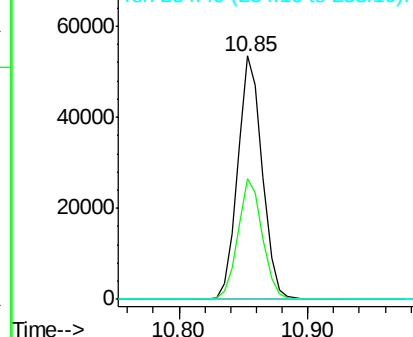
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX009901.D

Acq: 24 May 2019 20:51

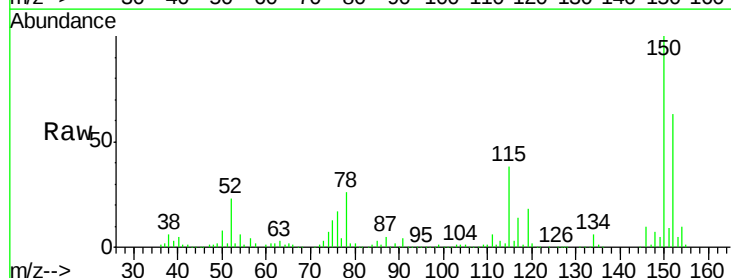
Tgt Ion:152 Resp: 124102

Ion Ratio Lower Upper

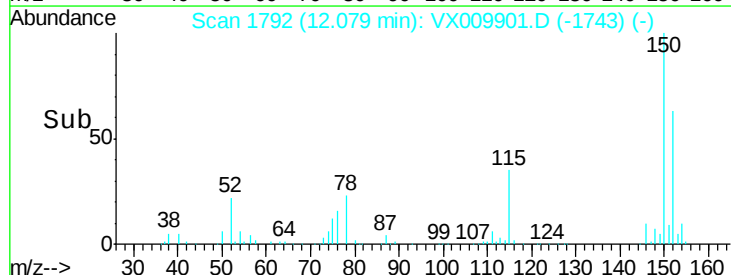
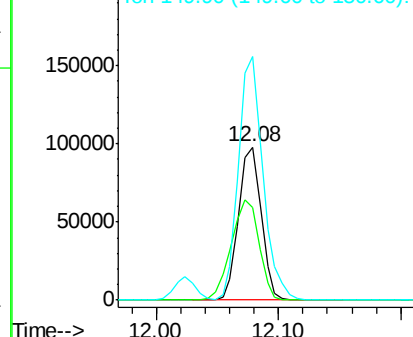
152 100

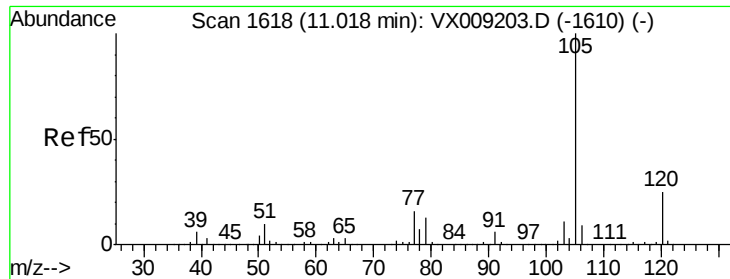
115 80.8 41.2 123.6

150 172.8 0.0 346.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 45.604 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX009901.D

Acq: 24 May 2019 20:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 411554

Ion Ratio Lower Upper

105 100

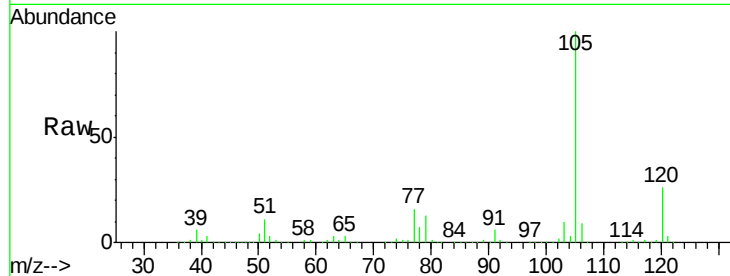
120 25.7 12.8 38.3

Manual Integrations

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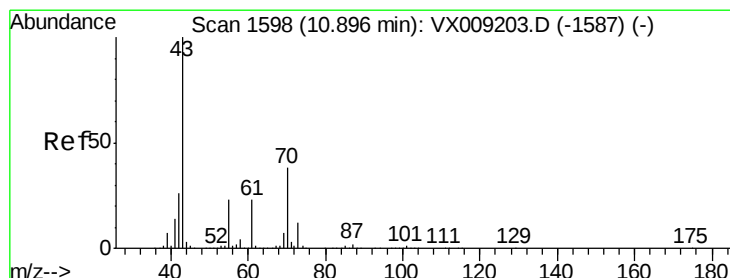
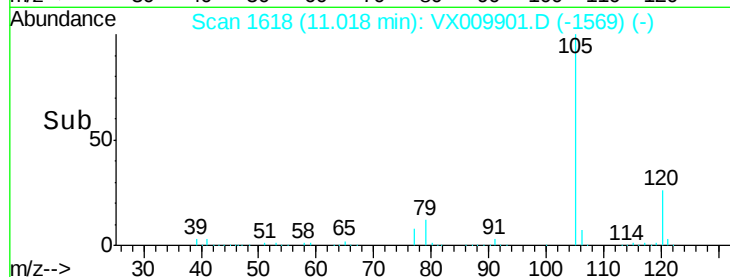
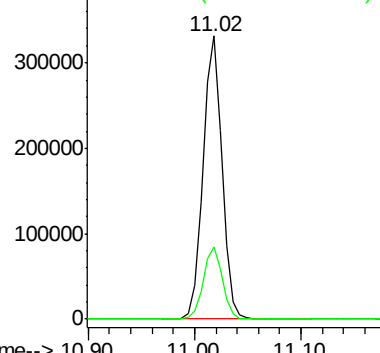
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 50.061 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX009901.D

Acq: 24 May 2019 20:51

Tgt Ion: 43 Resp: 263389

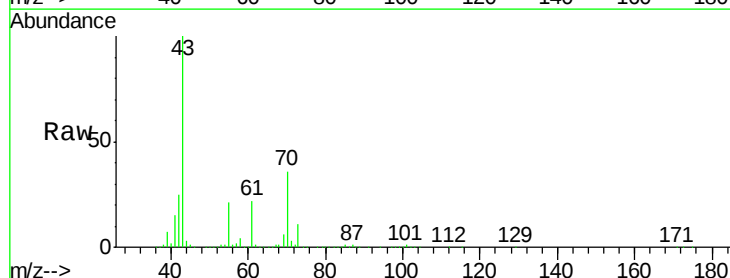
Ion Ratio Lower Upper

43 100

70 35.7 30.0 45.0

55 21.8 17.9 26.9

61 21.7 18.4 27.6

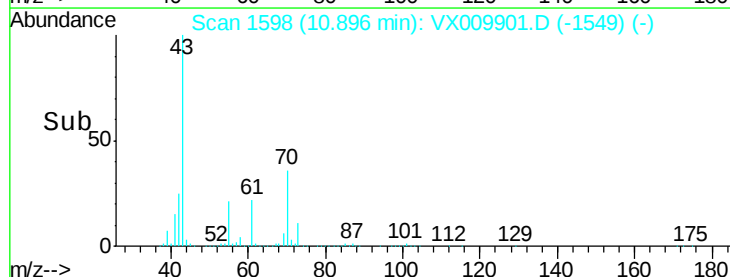
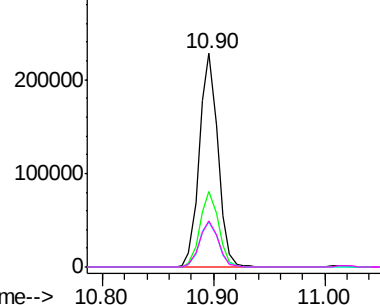


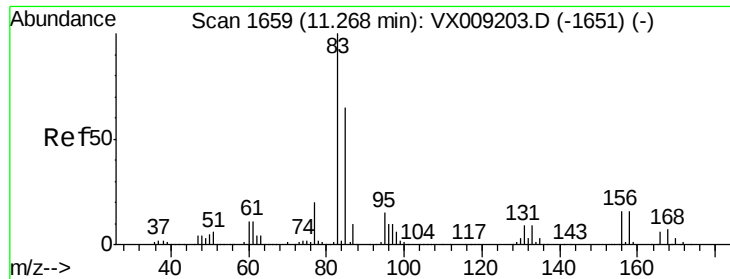
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 46.420 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX009901.D

Acq: 24 May 2019 20:51

Instrument :

MSVOA_X

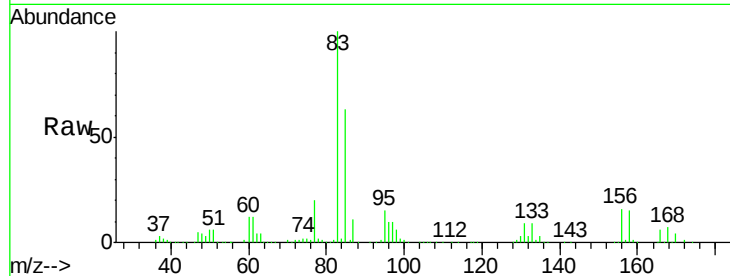
ClientSampleId :

VSTDCCC050EC

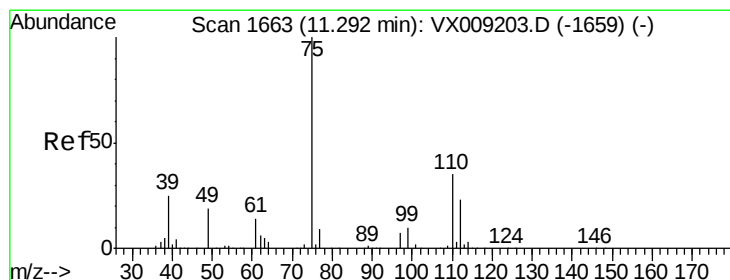
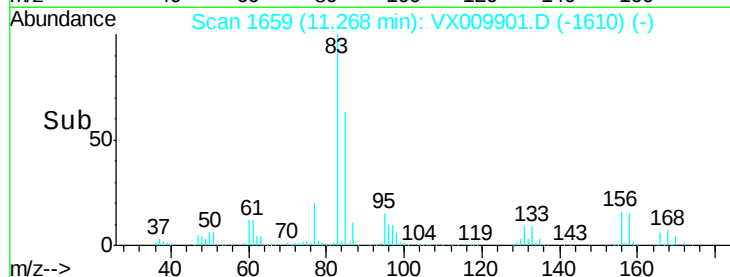
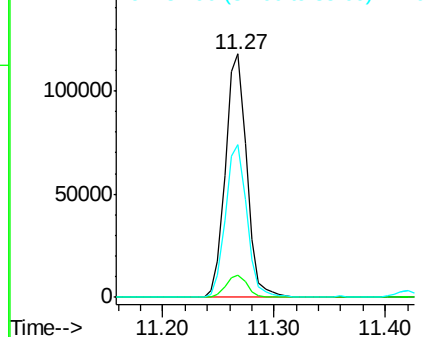
Tot Ion:	83	Resp:	156166
Ion Ratio	Lower	Upper	
83	100		
131	9.1	4.6	13.8
85	63.1	32.0	96.2

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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 47.500 ug/l m

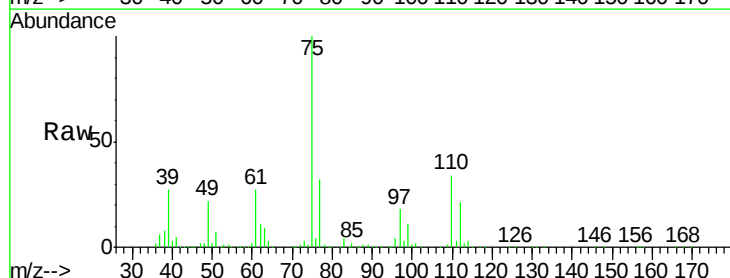
RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

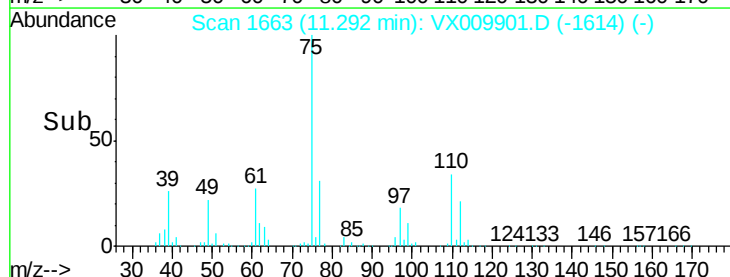
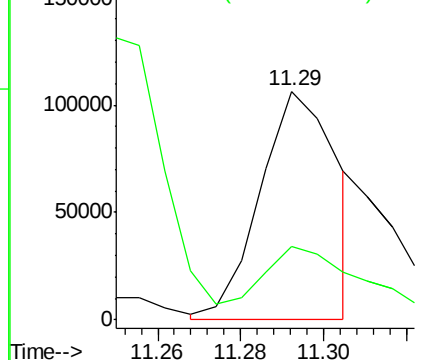
Lab File: VX009901.D

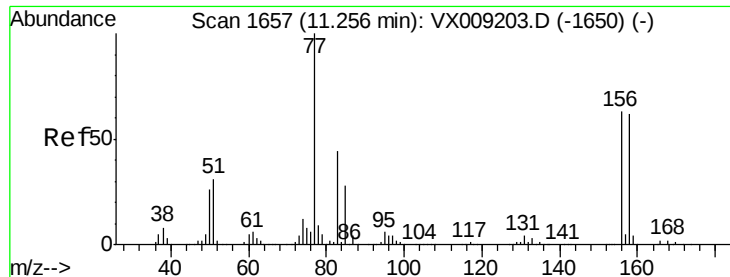
Acq: 24 May 2019 20:51

Tgt Ion:	75	Resp:	136739
Ion Ratio	Lower	Upper	
75	100		
77	43.3	22.1	66.1



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 45.201 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX009901.D

Acq: 24 May 2019 20:51

Instrument :

MSVOA_X

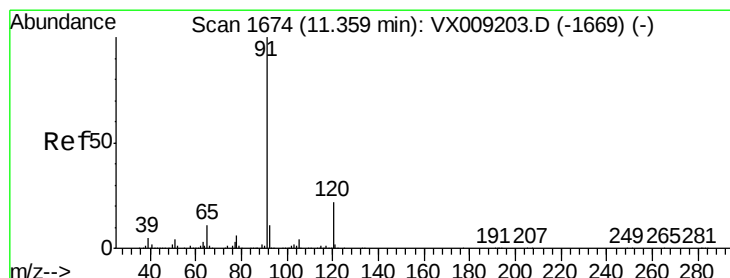
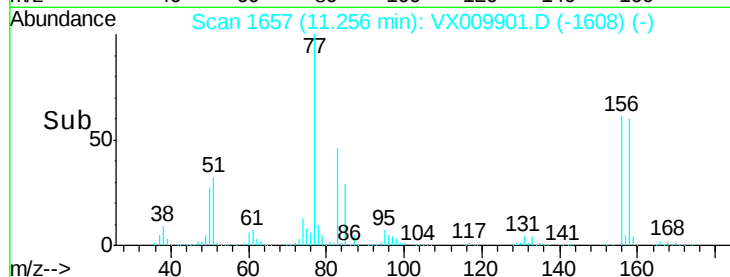
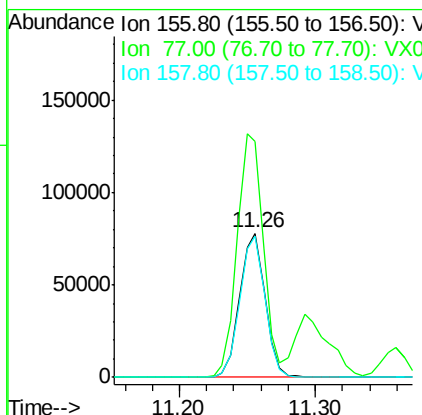
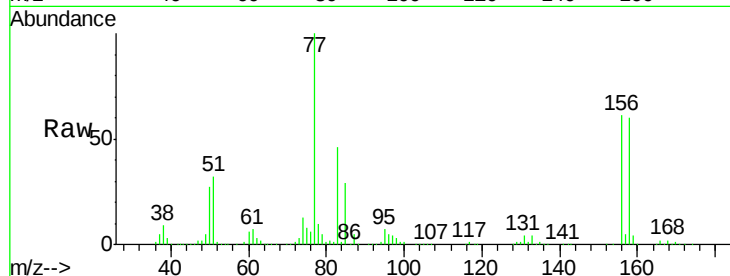
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	101247
Ion Ratio	Lower	Upper	
156	100		
77	174.0	84.8	254.3
158	97.2	49.1	147.3

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#78

n-propylbenzene

Concen: 46.444 ug/l

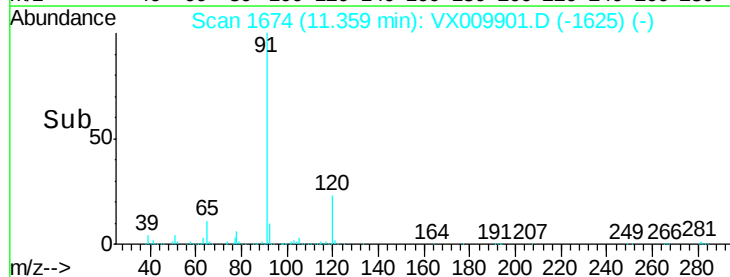
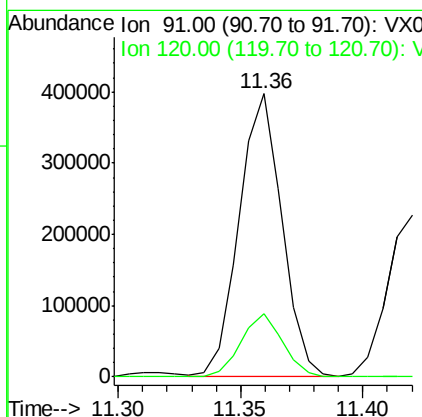
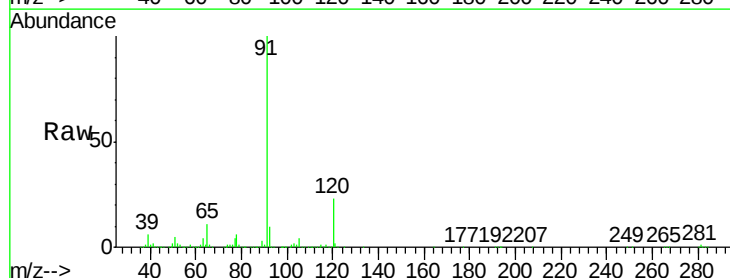
RT: 11.36 min Scan# 1674

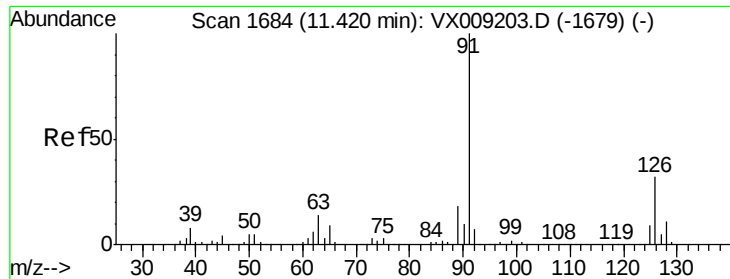
Delta R.T. 0.00 min

Lab File: VX009901.D

Acq: 24 May 2019 20:51

Tgt Ion:	91	Resp:	478675
Ion Ratio	Lower	Upper	
91	100		
120	22.0	11.0	33.0





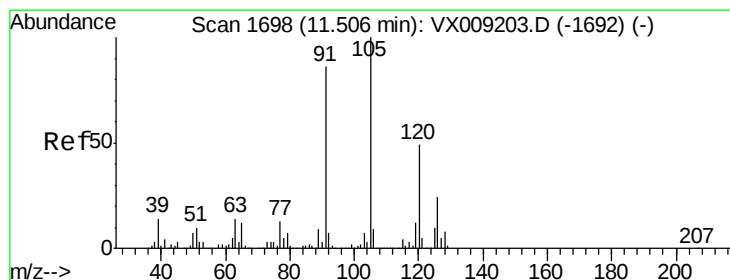
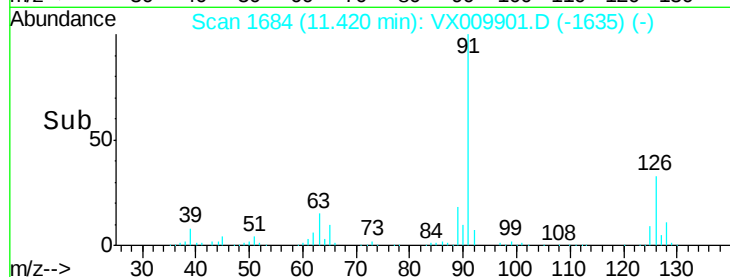
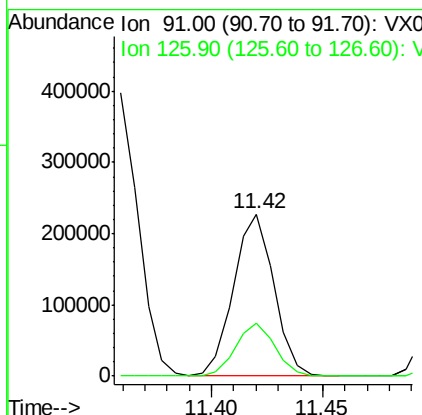
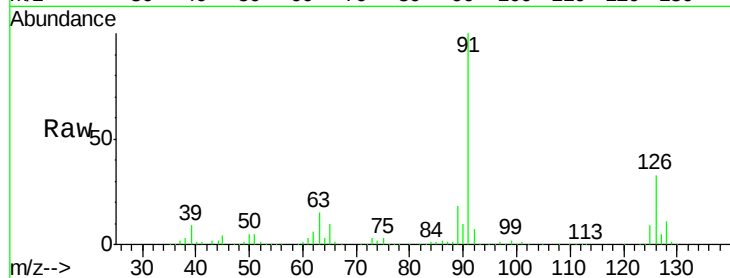
#79
 2-Chlorotoluene
 Concen: 44.964 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. 0.00 min
 Lab File: VX009901.D
 Acq: 24 May 2019 20:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 285907
 Ion Ratio Lower Upper
 91 100
 126 32.5 16.3 48.9

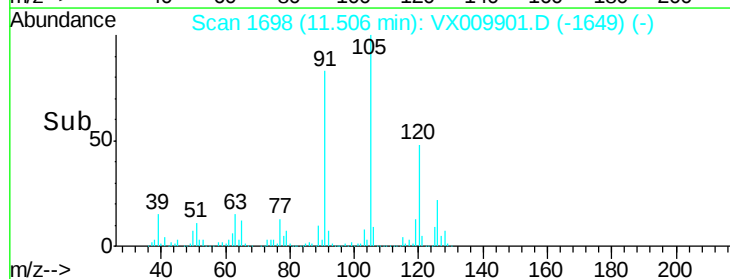
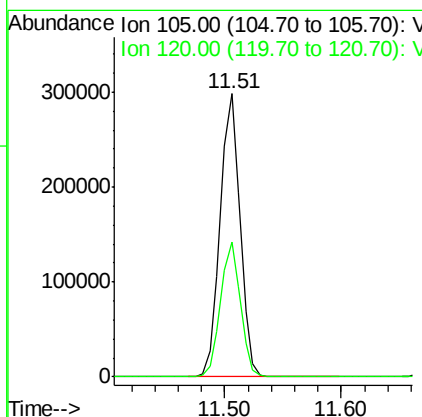
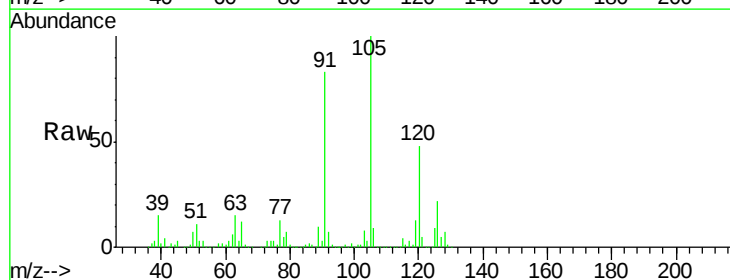
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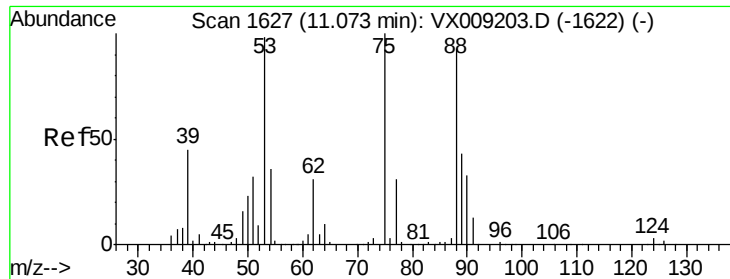
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#80
 1,3,5-Trimethylbenzene
 Concen: 46.244 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX009901.D
 Acq: 24 May 2019 20:51

Tgt Ion: 105 Resp: 351397
 Ion Ratio Lower Upper
 105 100
 120 47.6 24.3 72.9





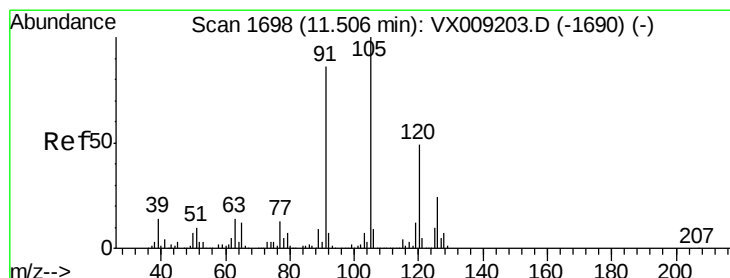
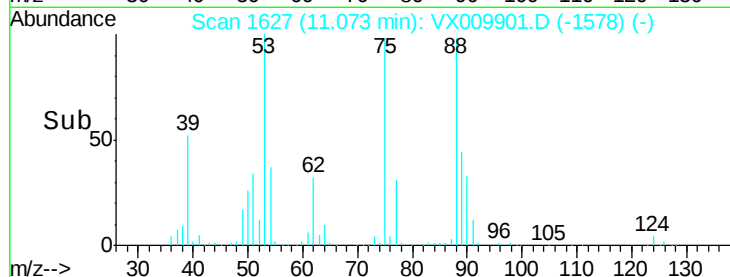
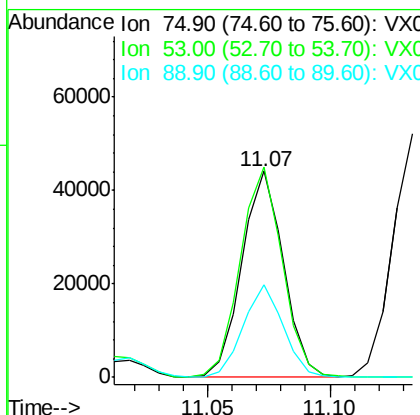
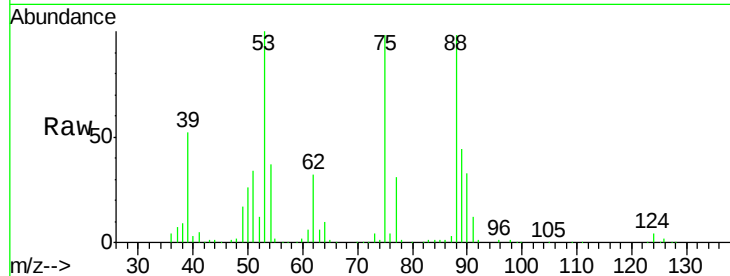
#81
trans-1,4-Dichloro-2-butene
Concen: 45.944 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX009901.D
Acq: 24 May 2019 20:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	103.8	79.0	118.6
89	43.9	34.7	52.1

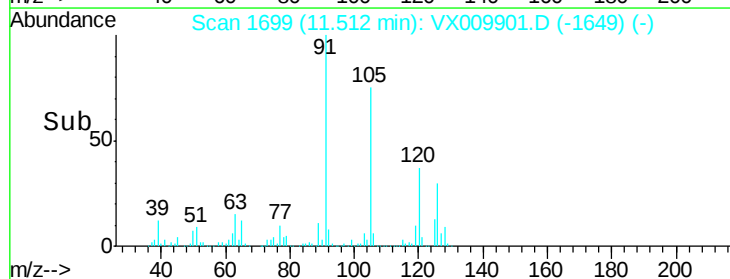
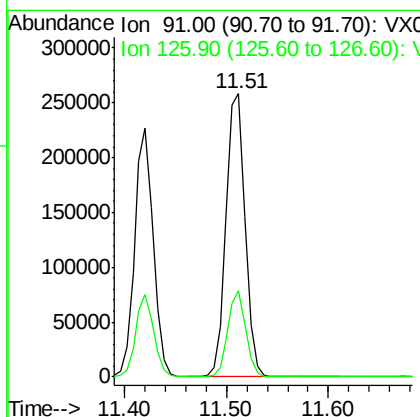
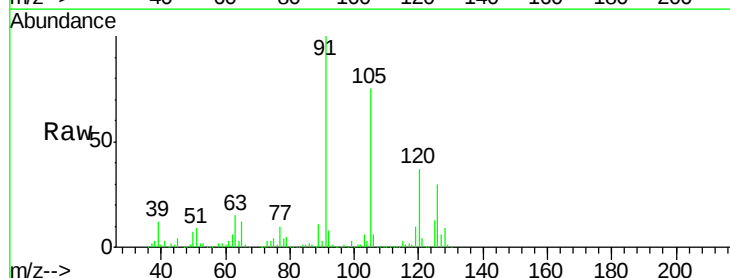
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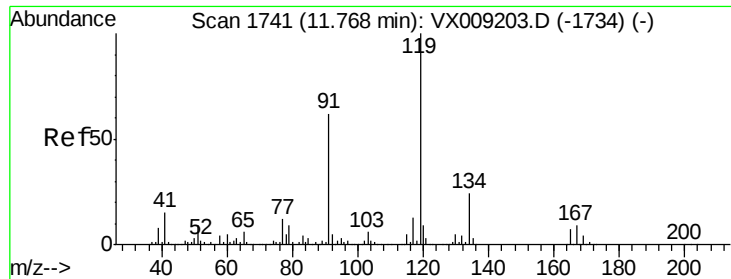
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#82
4-Chlorotoluene
Concen: 46.376 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.01 min
Lab File: VX009901.D
Acq: 24 May 2019 20:51

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.5	14.5	43.6





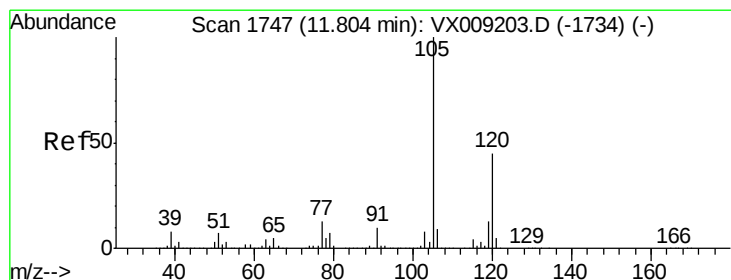
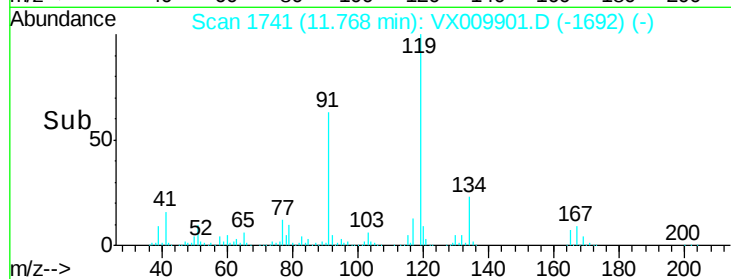
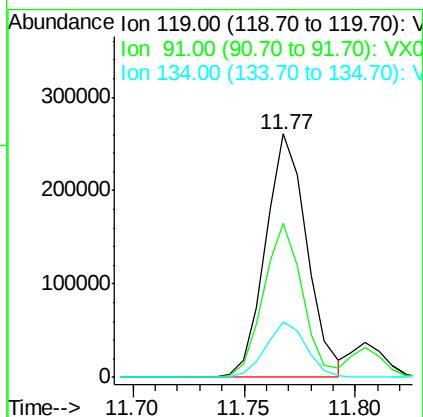
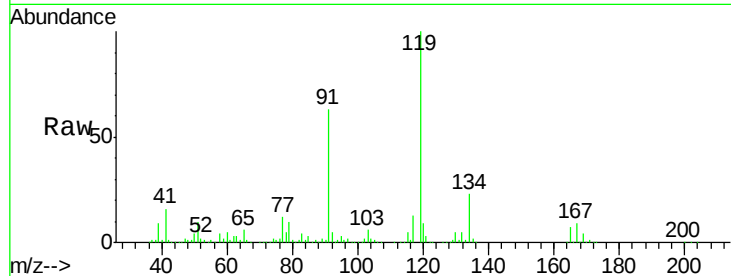
#83
 tert-Butylbenzene
 Concen: 45.535 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX009901.D
 Acq: 24 May 2019 20:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100			
91	60.1	29.5	88.5	
134	22.4	11.4	34.1	

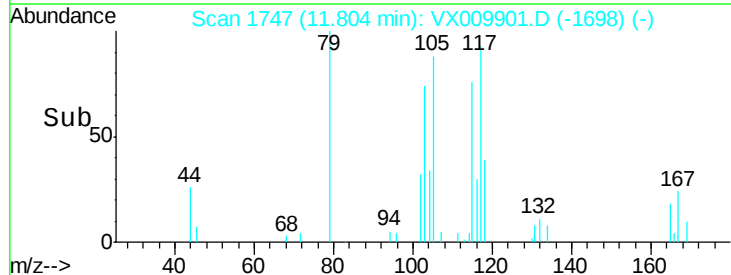
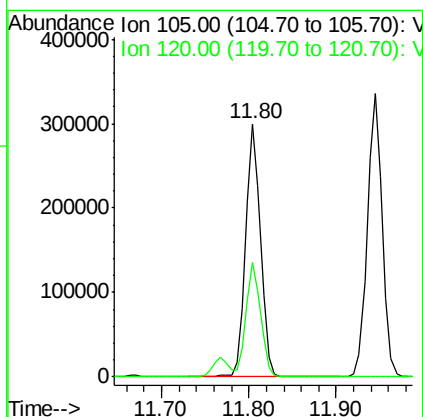
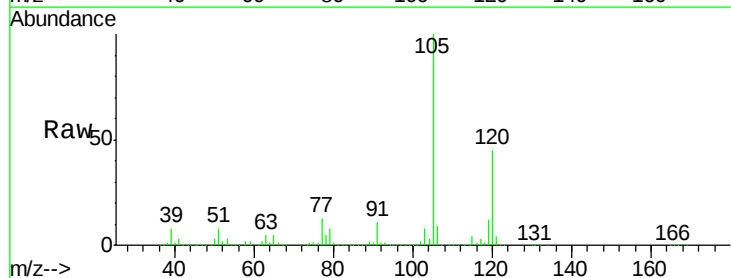
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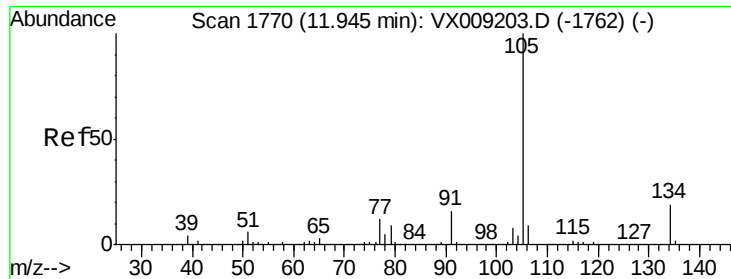
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#84
 1,2,4-Trimethylbenzene
 Concen: 46.364 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX009901.D
 Acq: 24 May 2019 20:51

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
120	44.6	22.0	66.0	





#85

sec-Butylbenzene

Concen: 45.671 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX009901.D

Acq: 24 May 2019 20:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 400248

Ion Ratio Lower Upper

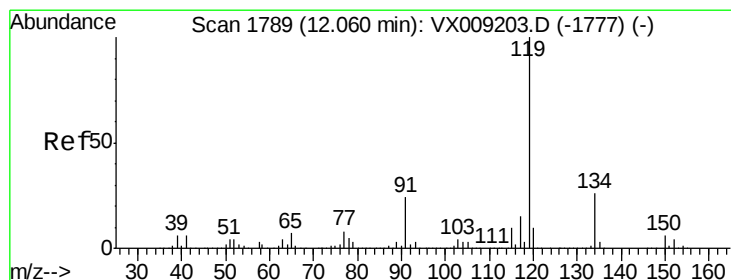
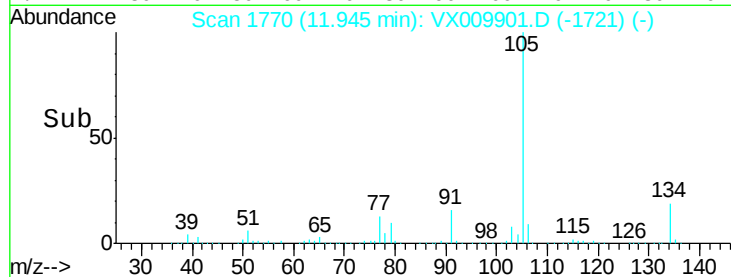
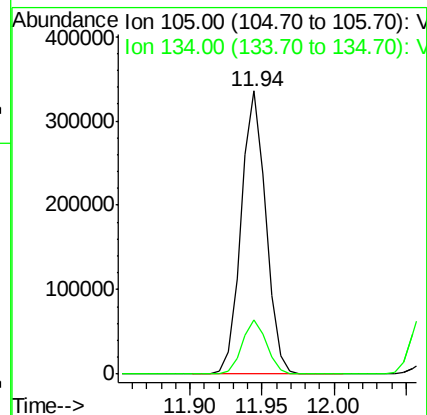
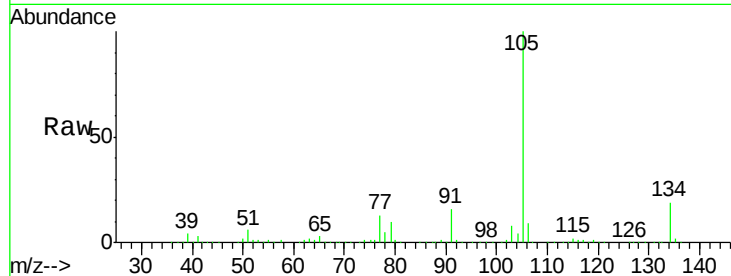
105 100

134 19.0 9.7 28.9

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#86

p-Isopropyltoluene

Concen: 46.461 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX009901.D

Acq: 24 May 2019 20:51

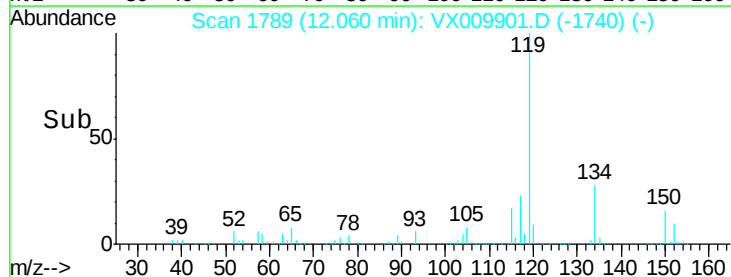
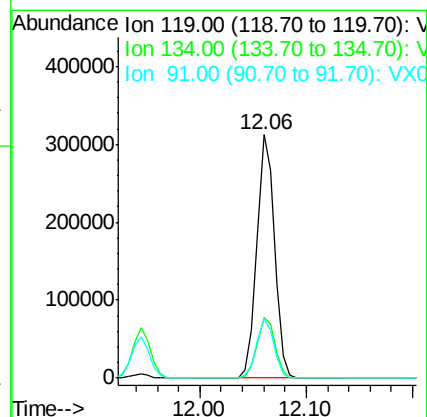
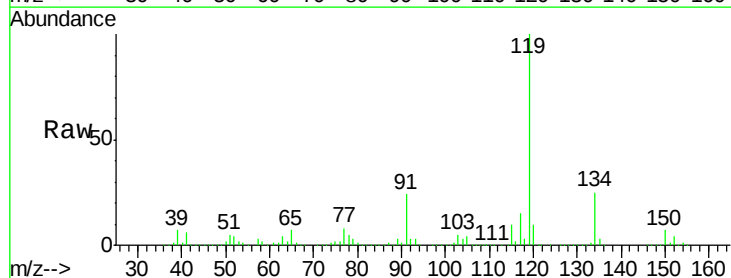
Tgt Ion:119 Resp: 366045

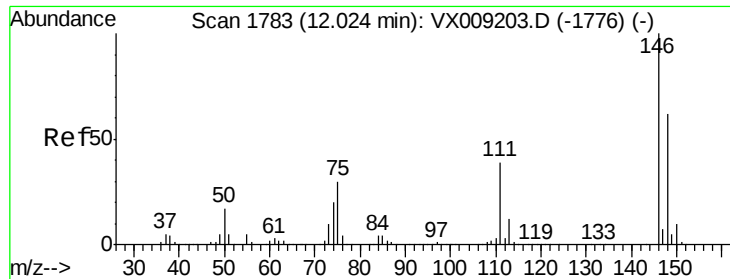
Ion Ratio Lower Upper

119 100

134 25.5 12.9 38.7

91 24.0 11.8 35.4





#87

1,3-Dichlorobenzene

Concen: 45.766 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX009901.D

Acq: 24 May 2019 20:51

Instrument :

MSVOA_X

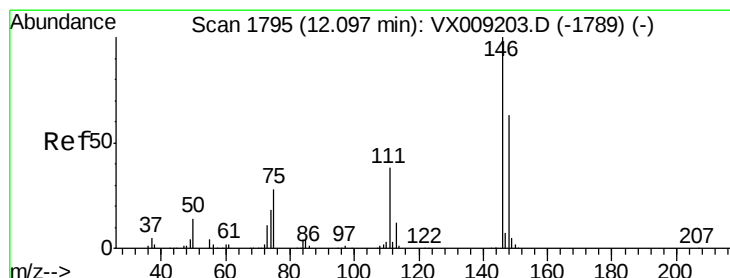
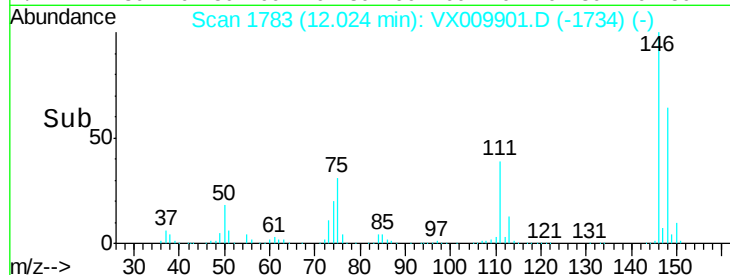
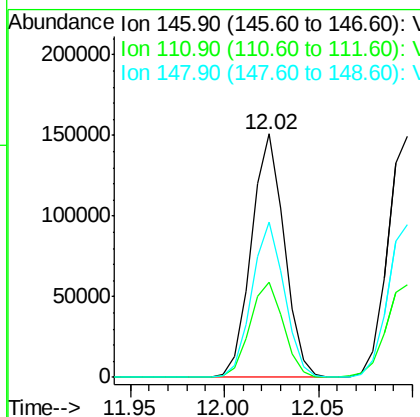
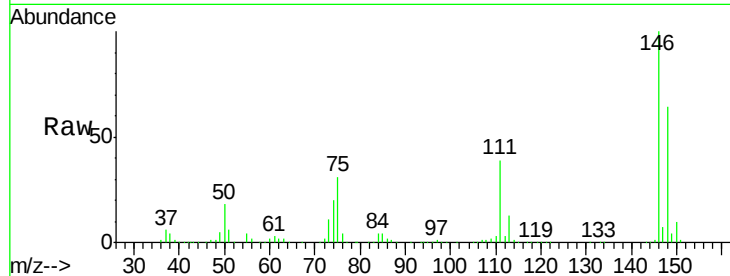
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	182748
Ion Ratio	Lower	Upper	
146	100		
111	39.7	20.0	59.9
148	63.2	31.8	95.3

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#88

1,4-Dichlorobenzene

Concen: 45.205 ug/l

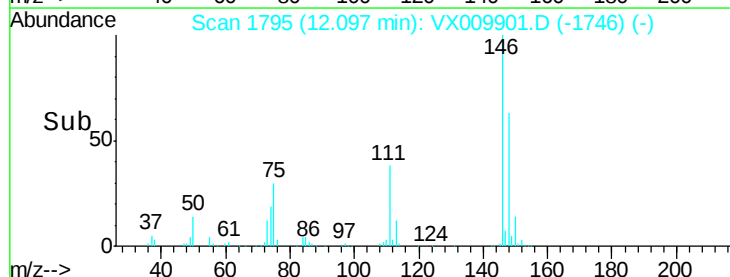
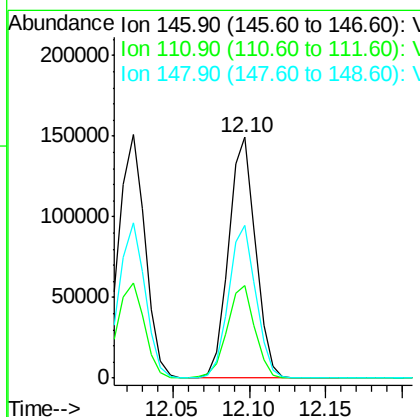
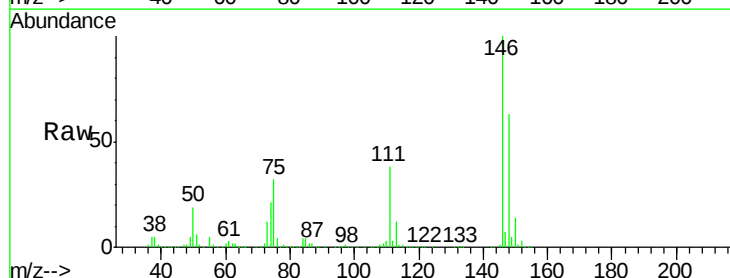
RT: 12.10 min Scan# 1795

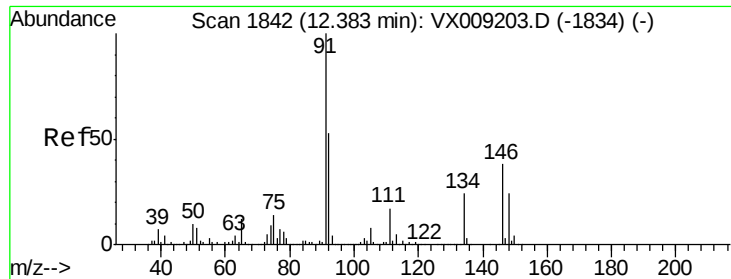
Delta R.T. 0.00 min

Lab File: VX009901.D

Acq: 24 May 2019 20:51

Tgt Ion:	146	Resp:	181984
Ion Ratio	Lower	Upper	
146	100		
111	39.5	19.6	58.8
148	64.0	31.8	95.3





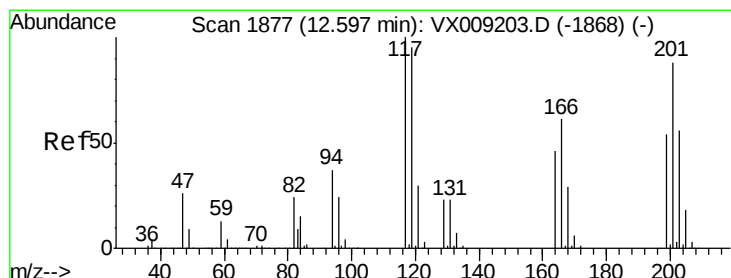
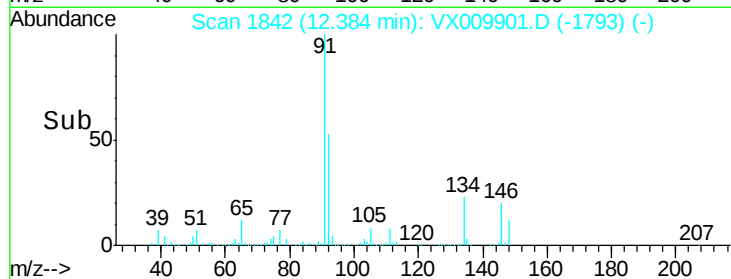
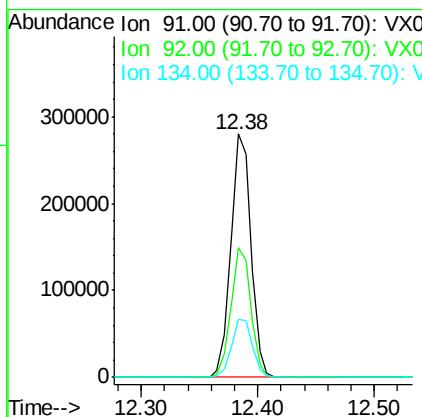
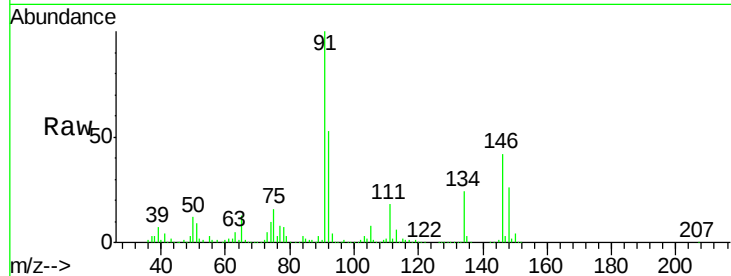
#89
n-Butylbenzene
Concen: 47.451 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX009901.D
Acq: 24 May 2019 20:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.5	79.5
134	24.4	12.4	37.2

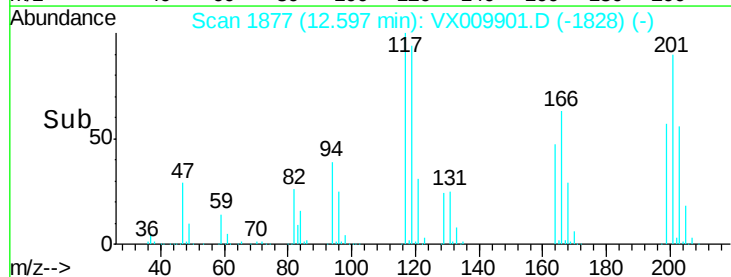
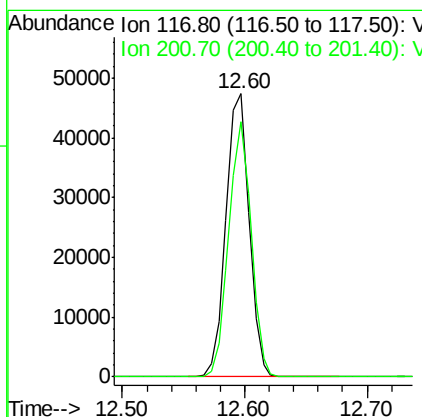
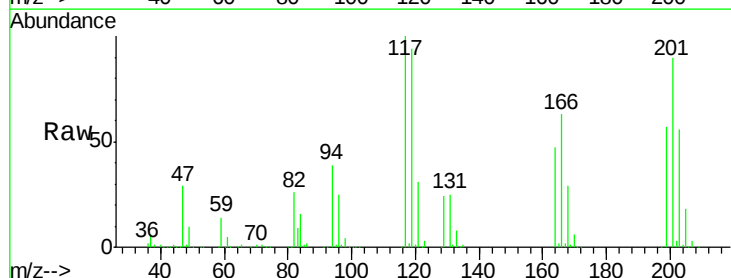
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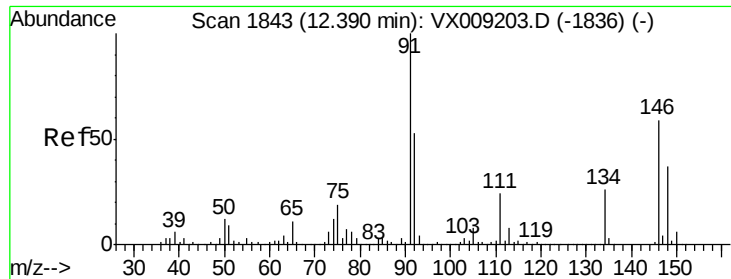
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#90
Hexachloroethane
Concen: 46.395 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX009901.D
Acq: 24 May 2019 20:51

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.8	42.3	126.9





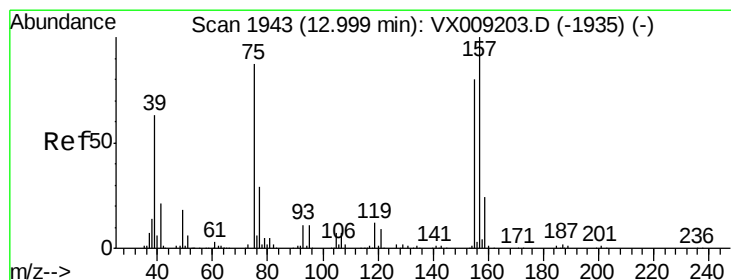
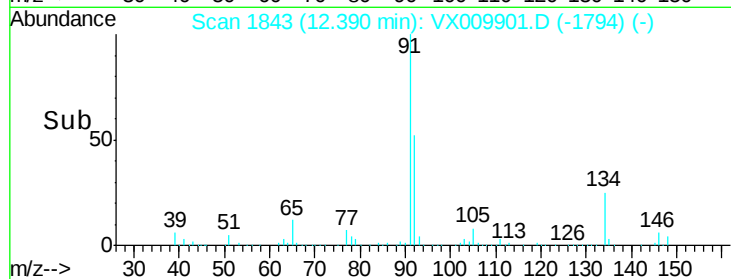
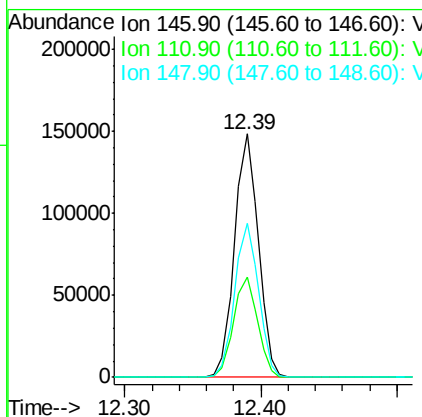
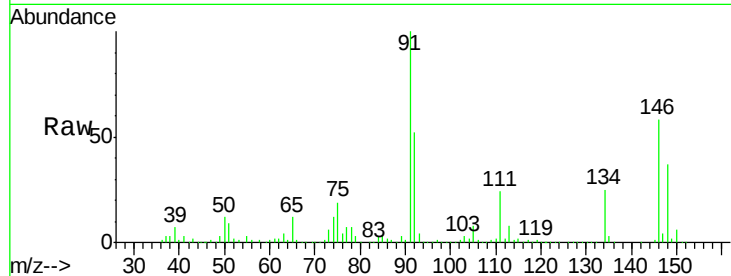
#91
 1,2-Dichlorobenzene
 Concen: 44.589 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX009901.D
 Acq: 24 May 2019 20:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	181351		
111	41.8	20.8	62.4	
148	63.4	31.9	95.9	

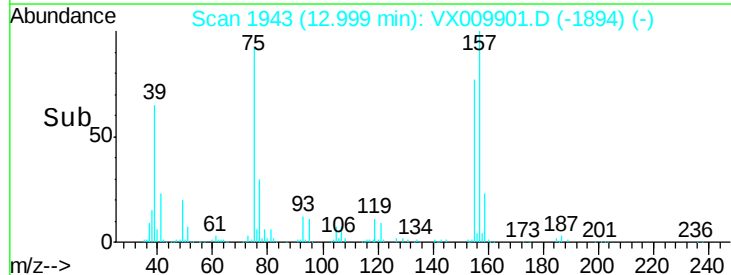
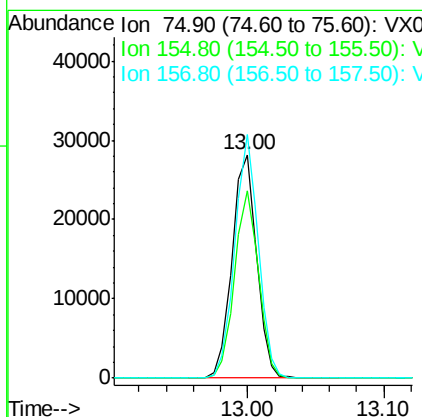
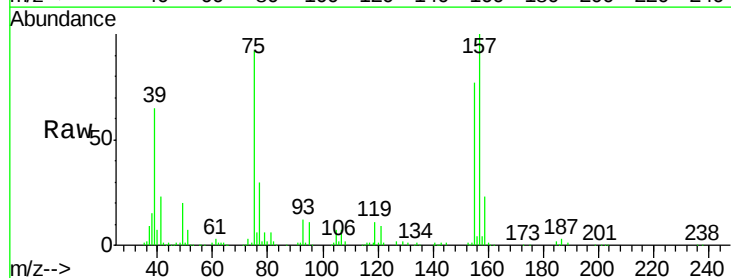
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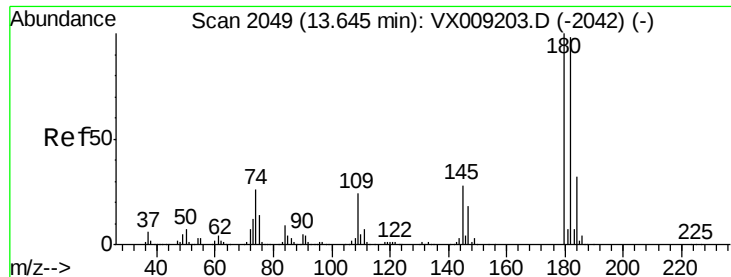
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.014 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX009901.D
 Acq: 24 May 2019 20:51

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	35481		
155	81.6	42.0	126.0	
157	104.1	53.2	159.6	





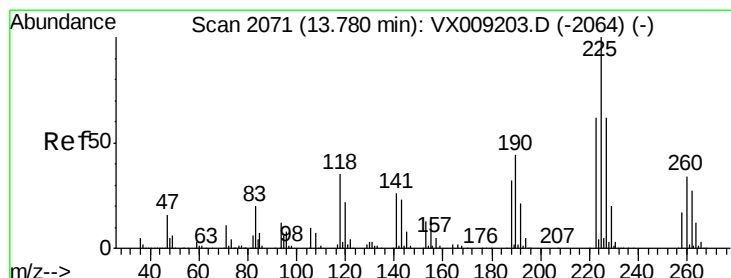
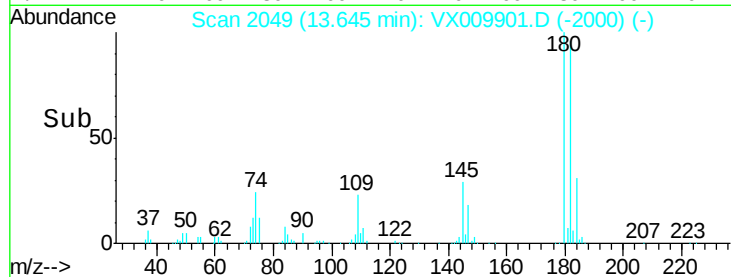
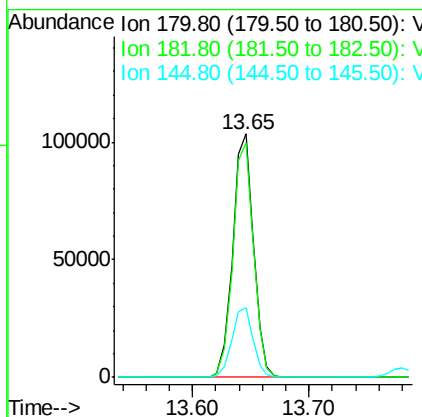
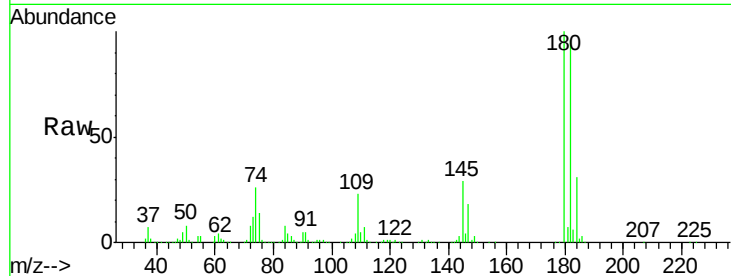
#93
 1,2,4-Trichlorobenzene
 Concen: 46.162 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX009901.D
 Acq: 24 May 2019 20:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	128389		
182	95.9	48.4	145.2	
145	29.3	14.6	43.8	

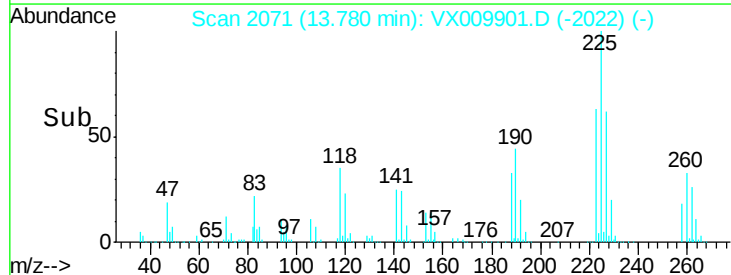
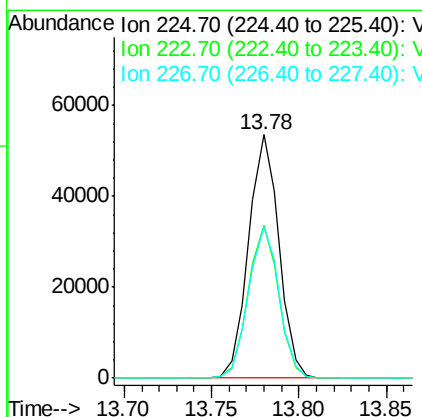
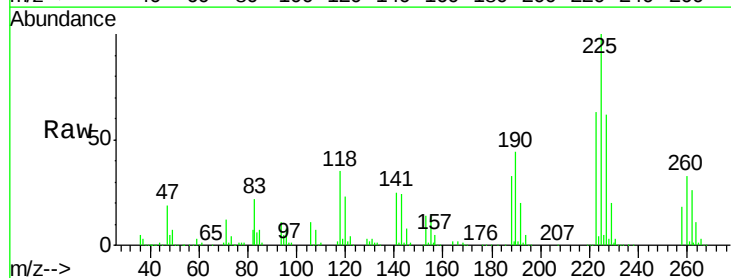
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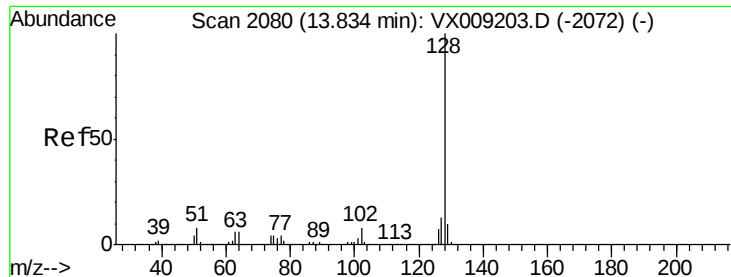
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#94
 Hexachlorobutadiene
 Concen: 45.473 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX009901.D
 Acq: 24 May 2019 20:51

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	64584		
223	62.5	31.3	93.8	
227	62.5	31.8	95.3	





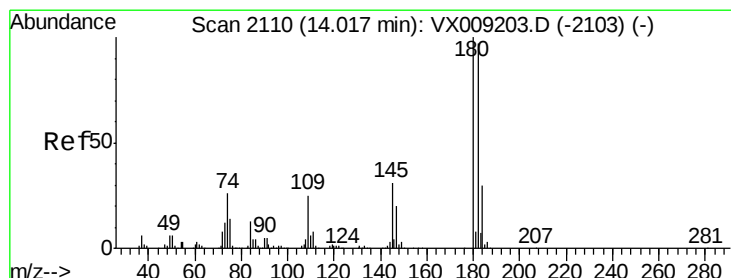
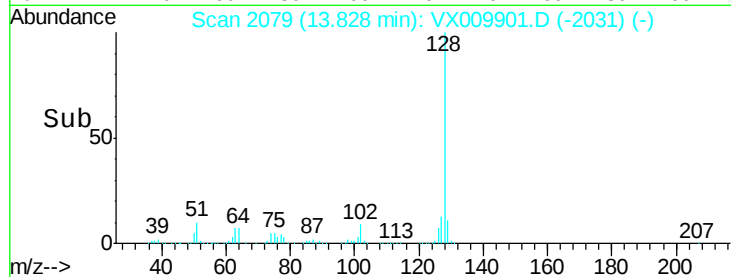
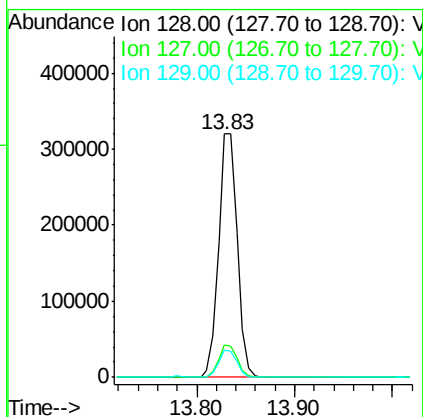
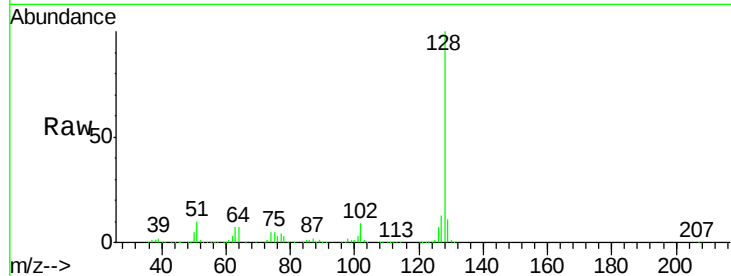
#95
Naphthalene
Concen: 46.609 ug/l
RT: 13.83 min Scan# 2079
Delta R.T. -0.01 min
Lab File: VX009901.D
Acq: 24 May 2019 20:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.4	15.6
129	11.0	8.6	13.0

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 46.278 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX009901.D
Acq: 24 May 2019 20:51

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.8	143.4
145	31.1	15.4	46.4

