

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX051419\
 Data File : VX009553.D
 Acq On : 14 May 2019 10:32
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
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 5/15/2019 12:25:10 PM

Quant Time: May 15 08:15:24 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	5.65	168	180656	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.85	114	277043	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	254778	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	132705	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	111372	45.16	ug/l	0.00
Spiked Amount						
			Recovery	=	90.32%	
35) Dibromofluoromethane	5.49	113	83452	47.92	ug/l	0.00
Spiked Amount						
			Recovery	=	95.84%	
50) Toluene-d8	8.71	98	336195	47.81	ug/l	0.00
Spiked Amount						
			Recovery	=	95.62%	
62) 4-Bromofluorobenzene	11.13	95	127020	49.72	ug/l	0.00
Spiked Amount						
			Recovery	=	99.44%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	69463	41.725	ug/l	99
3) Chloromethane	1.32	50	98801	43.470	ug/l	99
4) Vinyl Chloride	1.41	62	100587	45.385	ug/l	100
5) Bromomethane	1.64	94	60803	45.708	ug/l	97
6) Chloroethane	1.71	64	62228	43.732	ug/l	96
7) Trichlorofluoromethane	1.92	101	128468	47.686	ug/l	97
8) Diethyl Ether	2.18	74	58236	45.635	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	81865	48.390	ug/l	99
10) Methyl Iodide	2.51	142	92206	47.193	ug/l	99
11) Tert butyl alcohol	3.04	59	119884	210.007	ug/l	99
12) 1,1-Dichloroethene	2.37	96	79602	46.961	ug/l	99
13) Acrolein	2.29	56	112308	217.236	ug/l	99
14) Allyl chloride	2.73	41	187575	45.408	ug/l	99
15) Acrylonitrile	3.14	53	302395	216.648	ug/l	99
16) Acetone	2.44	43	314034	237.143	ug/l	99
17) Carbon Disulfide	2.57	76	224112	47.092	ug/l	100
18) Methyl Acetate	2.77	43	131373	41.715	ug/l	100
19) Methyl tert-butyl Ether	3.19	73	304392	46.243	ug/l	99
20) Methylene Chloride	2.85	84	95017	44.315	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	85449	46.482	ug/l	99
22) Diisopropyl ether	3.85	45	368565	46.394	ug/l	95
23) Vinyl Acetate	3.81	43	1633179	240.077	ug/l	100
24) 1,1-Dichloroethane	3.70	63	178838	45.634	ug/l	100
25) 2-Butanone	4.67	43	467663	227.261	ug/l	100
26) 2,2-Dichloropropane	4.58	77	139569	47.846	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	101211	46.126	ug/l	99
28) Bromochloromethane	5.01	49	65916	41.306	ug/l	100
29) Tetrahydrofuran	5.12	42	291206	219.911	ug/l	99
30) Chloroform	5.21	83	164685	46.463	ug/l	97
31) Cyclohexane	5.57	56	175355	48.094	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	138450	46.923	ug/l	99
36) 1,1-Dichloropropene	5.79	75	127791	49.635	ug/l	99
37) Ethyl Acetate	4.82	43	168821	47.062	ug/l	99
38) Carbon Tetrachloride	5.78	117	117668	50.303	ug/l	97

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Manual Integrations
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Quant Time: May 15 08:15:24 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)
39) Methylcyclohexane	7.46	83	165851	52.454	ug/l	99
40) Benzene	6.13	78	389215	48.848	ug/l	99
41) Methacrylonitrile	5.04	41	99371	46.536	ug/l	99
42) 1,2-Dichloroethane	6.18	62	139256	48.721	ug/l	100
43) Isopropyl Acetate	6.44	43	273623	47.687	ug/l	100
44) Trichloroethene	7.21	130	95251	49.449	ug/l	100
45) 1,2-Dichloropropane	7.51	63	110495	48.974	ug/l	97
46) Dibromomethane	7.66	93	63496	48.463	ug/l	99
47) Bromodichloromethane	7.89	83	129510	49.554	ug/l	98
48) Methyl methacrylate	7.76	41	138824	48.767	ug/l	99
49) 1,4-Dioxane	7.74	88	49667	860.321	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	901000	240.241	ug/l	99
52) Toluene	8.78	92	241531	49.867	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	153001	51.853	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	167820	51.385	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	95282	48.219	ug/l	97
56) Ethyl methacrylate	9.18	69	175244	49.682	ug/l	99
57) 1,3-Dichloropropane	9.37	76	168037	48.324	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	386367	206.479	ug/l	99
59) 2-Hexanone	9.49	43	712984	242.057	ug/l	99
60) Dibromochloromethane	9.58	129	98479	51.027	ug/l	99
61) 1,2-Dibromoethane	9.67	107	97990	49.126	ug/l	100
64) Tetrachloroethene	9.34	164	89621	51.280	ug/l	97
65) Chlorobenzene	10.13	112	250571	49.163	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	91094	49.299	ug/l	99
67) Ethyl Benzene	10.25	91	469015	50.002	ug/l	99
68) m/p-Xylenes	10.35	106	345549	100.811	ug/l	98
69) o-Xylene	10.69	106	167279	49.462	ug/l	100
70) Styrene	10.71	104	297325	50.582	ug/l	100
71) Bromoform	10.85	173	76304	50.815	ug/l #	100
73) Isopropylbenzene	11.01	105	454243	47.071	ug/l	99
74) N-amyl acetate	10.90	43	260138	46.237	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	157440	43.765	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	143184m	46.514	ug/l	
77) Bromobenzene	11.25	156	112609	47.014	ug/l	98
78) n-propylbenzene	11.36	91	539865	48.985	ug/l	99
79) 2-Chlorotoluene	11.42	91	314428	46.244	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	390291	48.033	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	56447	46.918	ug/l	99
82) 4-Chlorotoluene	11.51	91	370786	48.271	ug/l	100
83) tert-Butylbenzene	11.77	119	376442	47.624	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	392503	48.125	ug/l	98
85) sec-Butylbenzene	11.94	105	458497	48.926	ug/l	100
86) p-Isopropyltoluene	12.06	119	419751	49.824	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	204670	47.933	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	209440	48.652	ug/l	100
89) n-Butylbenzene	12.38	91	392353	51.527	ug/l	100
90) Hexachloroethane	12.59	117	70578	49.173	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	203731	46.845	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	34519	42.774	ug/l	100

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VSTDCCC050

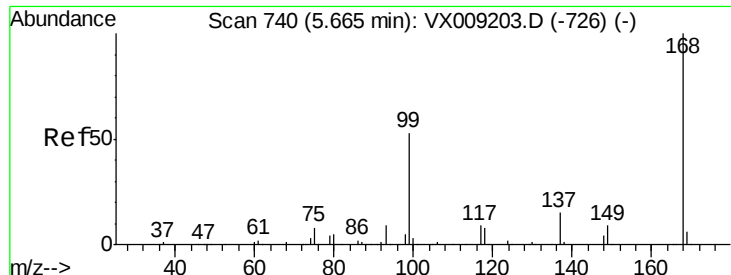
Manual Integrations
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Quant Time: May 15 08:15:24 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	150728	50.681	ug/l	97
94) Hexachlorobutadiene	13.78	225	78628	51.772	ug/l	100
95) Naphthalene	13.83	128	451668	46.680	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	147440	48.907	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.01 min

Lab File: VX009553.D

Acq: 14 May 2019 10:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 180656

Ion Ratio Lower Upper

168 100

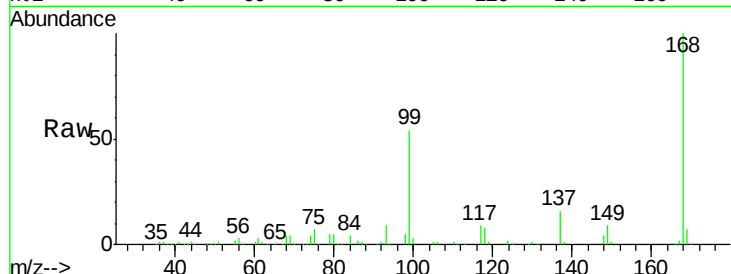
99 54.3 42.3 63.5

Manual Integrations

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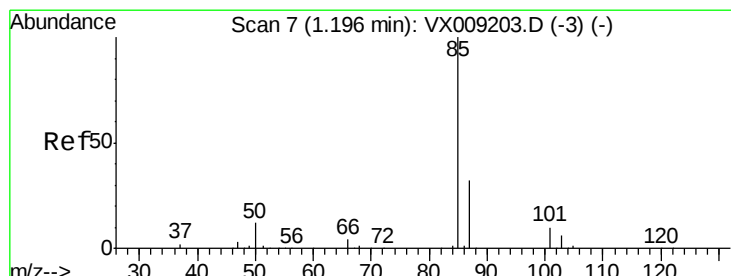
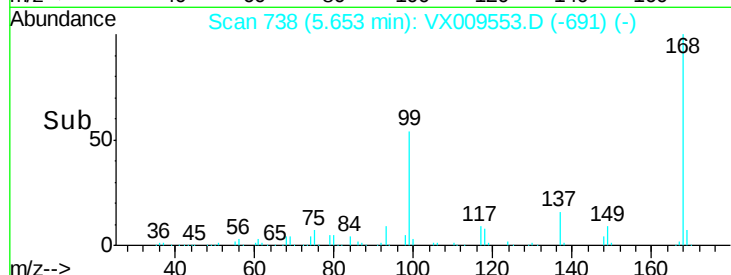
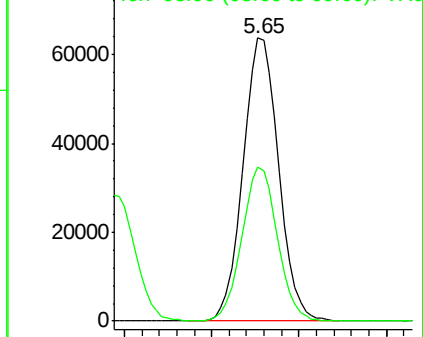
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 41.725 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX009553.D

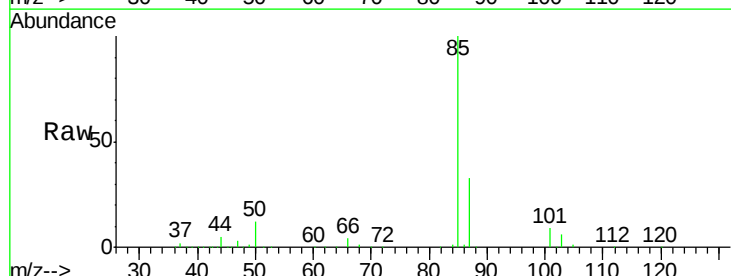
Acq: 14 May 2019 10:32

Tgt Ion: 85 Resp: 69463

Ion Ratio Lower Upper

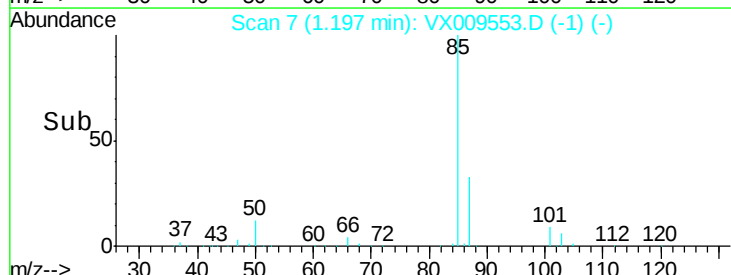
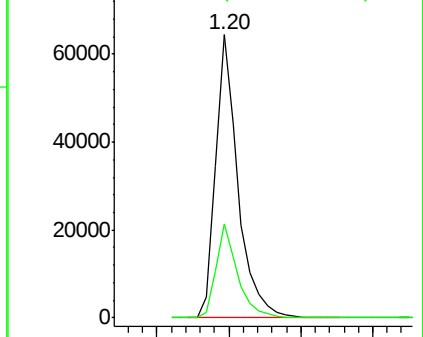
85 100

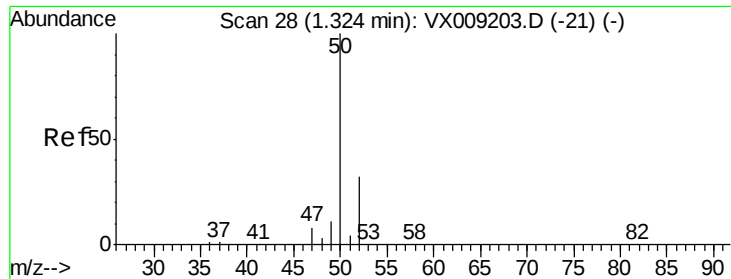
87 33.0 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 43.470 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009553.D

Acq: 14 May 2019 10:32

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 50 Resp: 98801

Ion Ratio Lower Upper

50 100

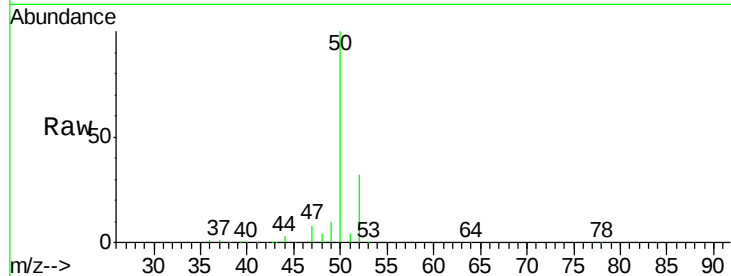
52 31.8 25.9 38.9

Manual Integrations

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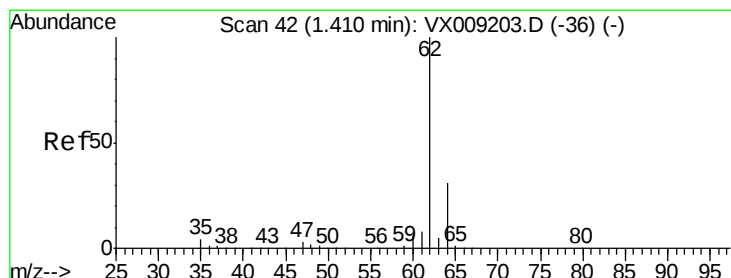
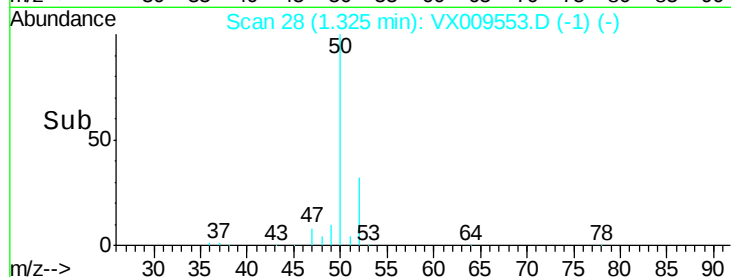
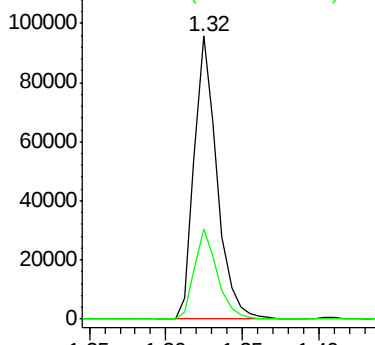
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 45.385 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX009553.D

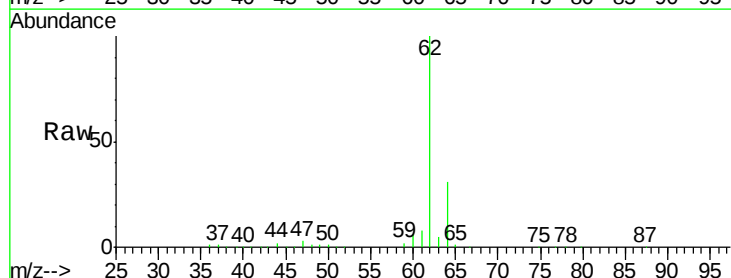
Acq: 14 May 2019 10:32

Tgt Ion: 62 Resp: 100587

Ion Ratio Lower Upper

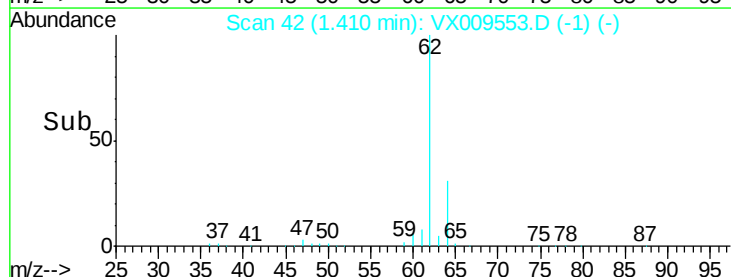
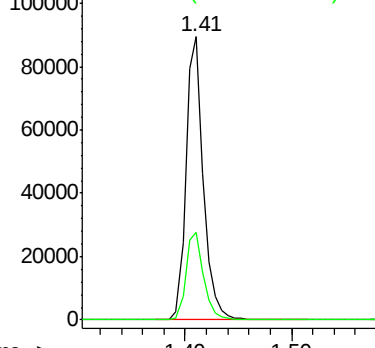
62 100

64 30.9 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: 45.708 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009553.D

Acq: 14 May 2019 10:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 60803

Ion Ratio Lower Upper

94 100

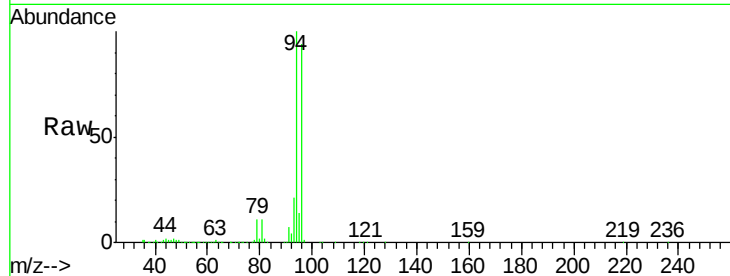
96 93.8 73.0 109.6

Manual Integrations

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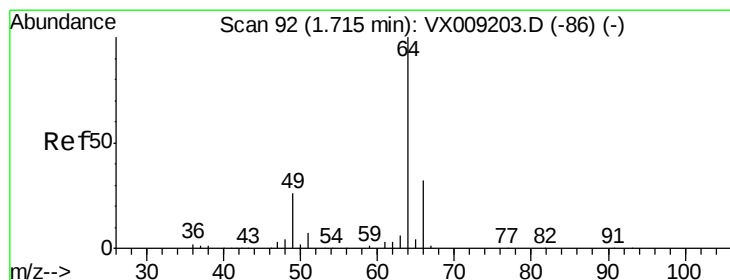
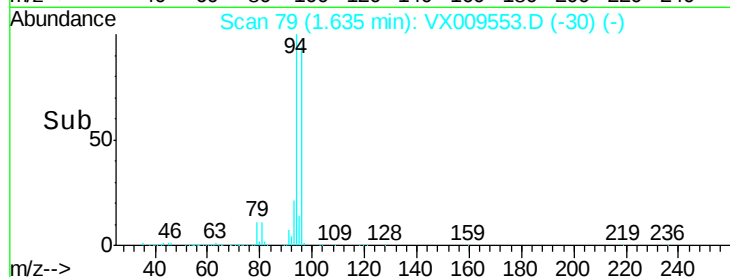
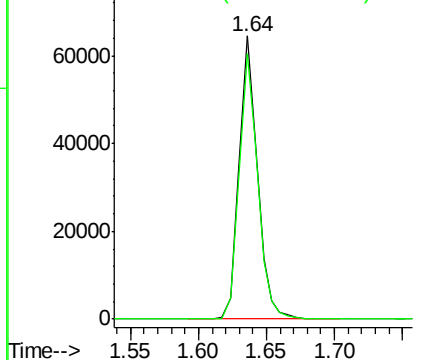
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 43.732 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX009553.D

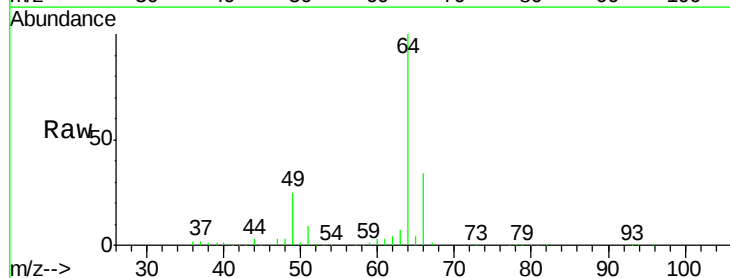
Acq: 14 May 2019 10:32

Tgt Ion: 64 Resp: 62228

Ion Ratio Lower Upper

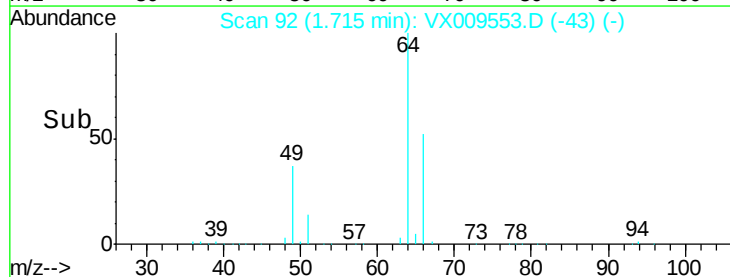
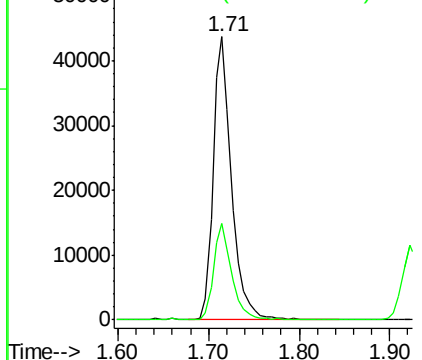
64 100

66 34.0 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

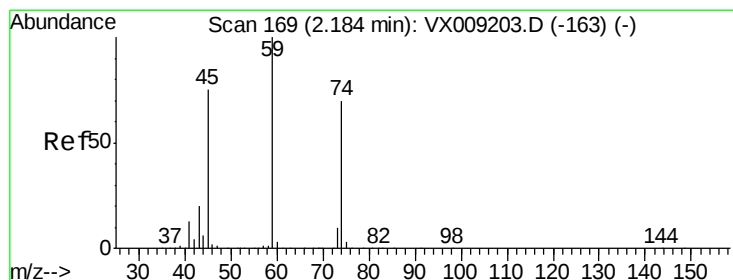
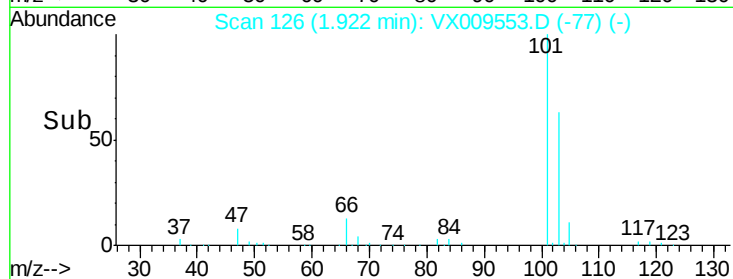
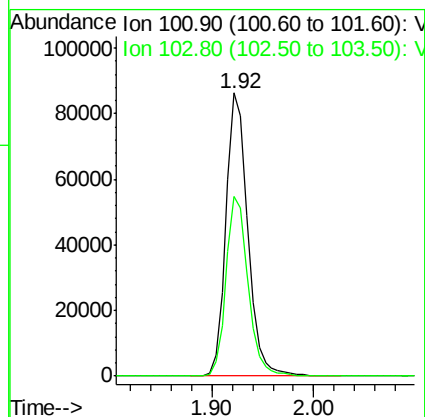
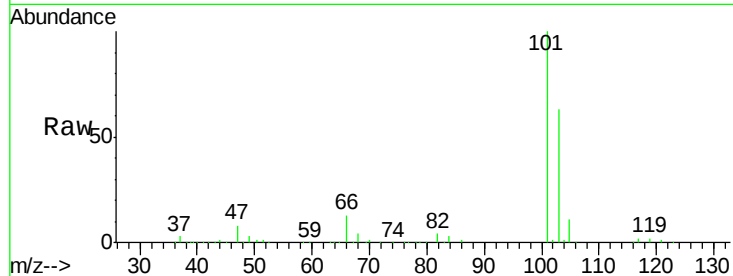
Trichlorofluoromethane
 Concen: 47.686 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. 0.00 min
 Lab File: VX009553.D
 Acq: 14 May 2019 10:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	128468		
103	63.4	52.4	78.6	

Manual Integrations
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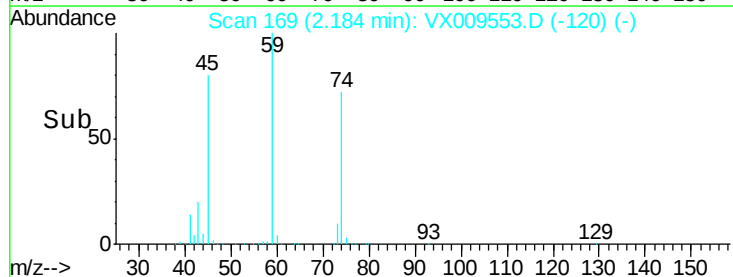
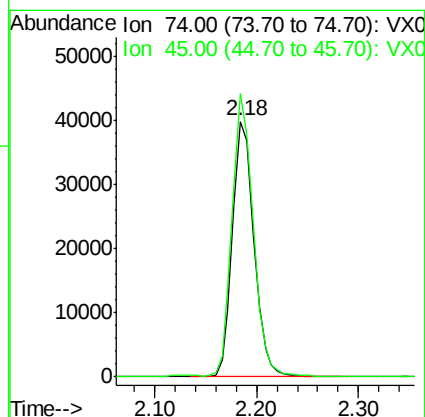
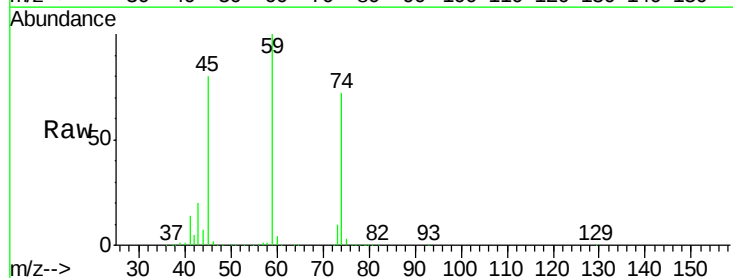
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 5/15/2019 12:25:10 PM



#8

Diethyl Ether
 Concen: 45.635 ug/l
 RT: 2.18 min Scan# 169
 Delta R.T. 0.00 min
 Lab File: VX009553.D
 Acq: 14 May 2019 10:32

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	58236		
45	109.1	53.3	159.9	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.390 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX009553.D

Acq: 14 May 2019 10:32

Instrument :

MSVOA_X

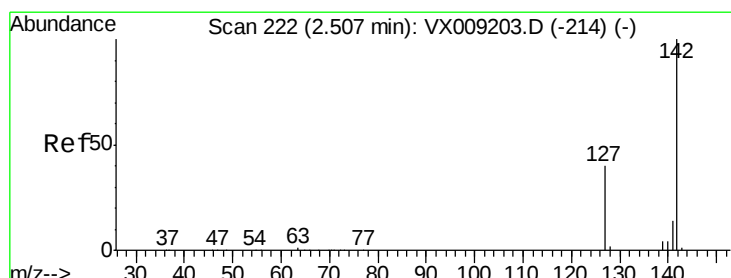
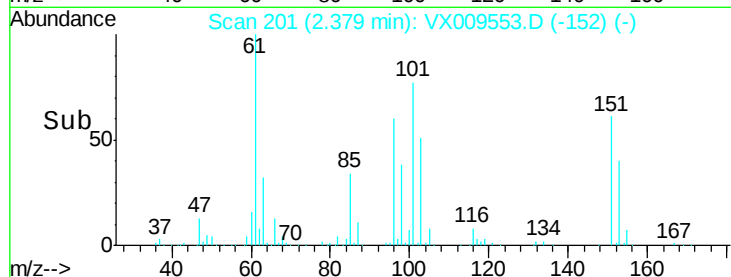
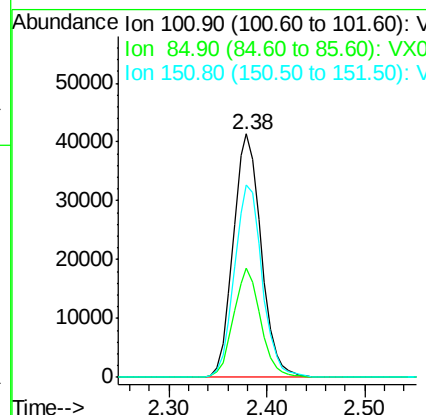
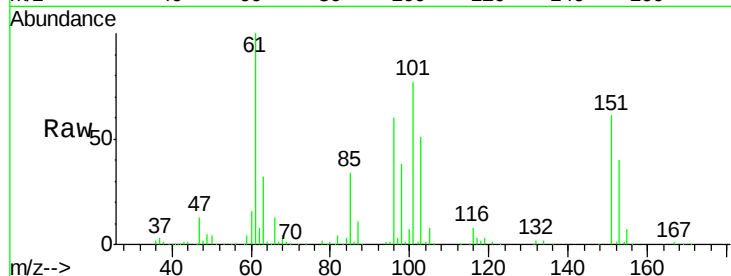
ClientSampled :

VSTDCCC050

Tot Ion:	101	Resp:	81865
Ion Ratio	Lower	Upper	
101	100		
85	43.5	35.7	53.5
151	78.7	62.2	93.2

Manual Integrations
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#10

Methyl Iodide

Concen: 47.193 ug/l

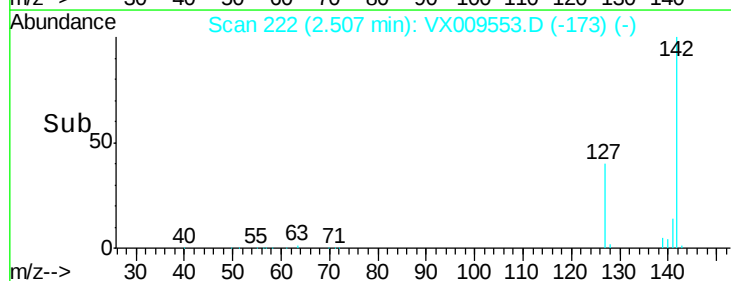
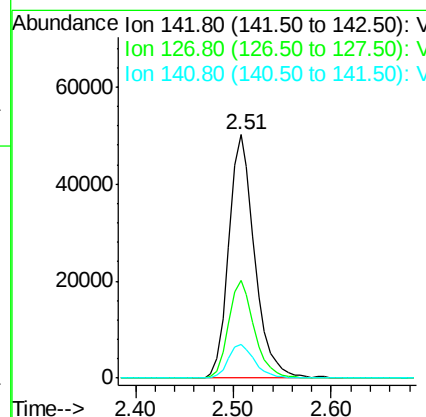
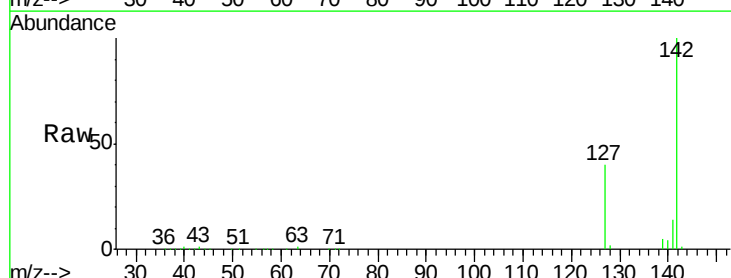
RT: 2.51 min Scan# 222

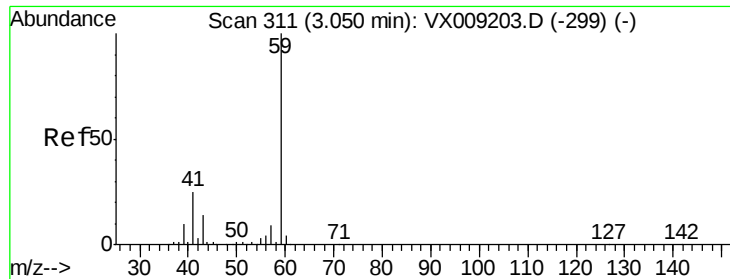
Delta R.T. 0.00 min

Lab File: VX009553.D

Acq: 14 May 2019 10:32

Tgt Ion:	142	Resp:	92206
Ion Ratio	Lower	Upper	
142	100		
127	39.9	32.7	49.1
141	14.1	11.5	17.3





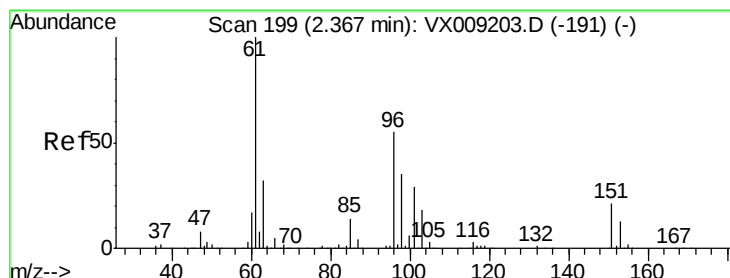
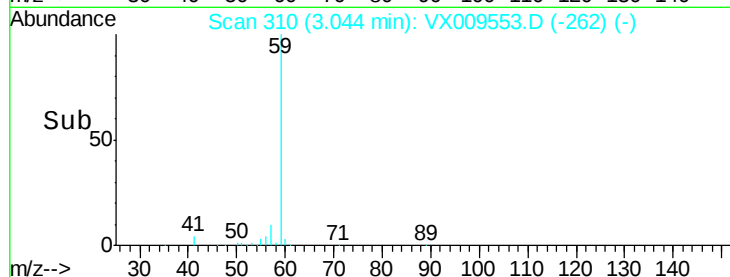
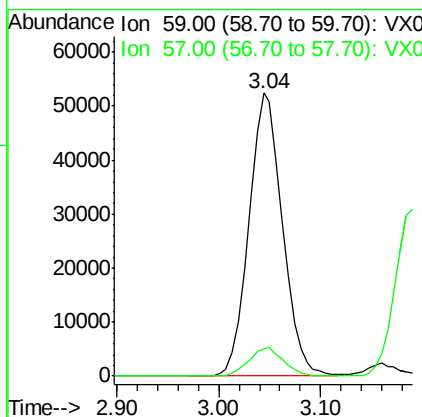
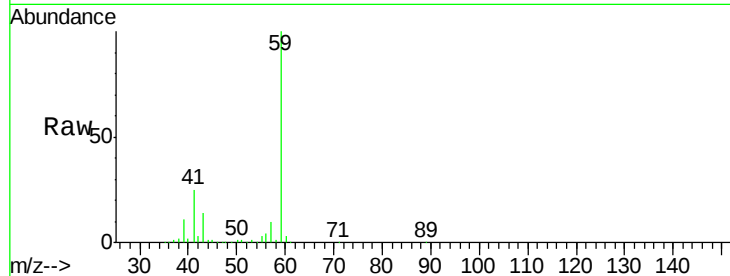
#11
Tert butyl alcohol
Concen: 210.007 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX009553.D
Acq: 14 May 2019 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 119884
Ion Ratio Lower Upper
59 100
57 10.5 8.2 12.2

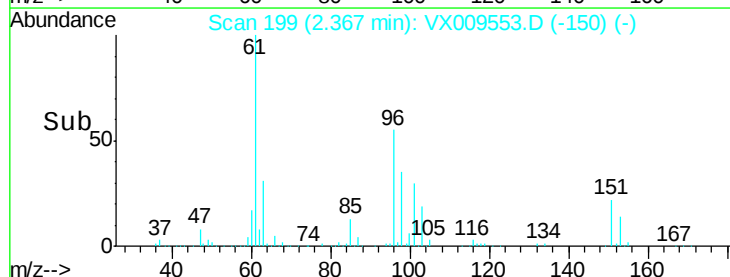
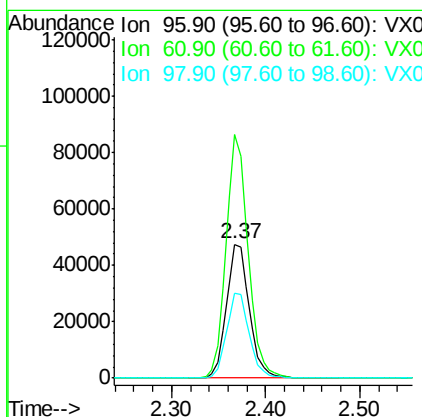
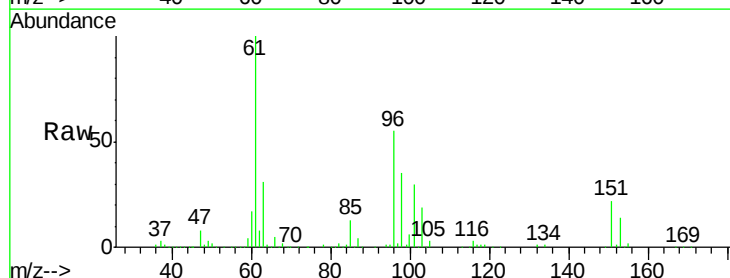
Manual Integrations
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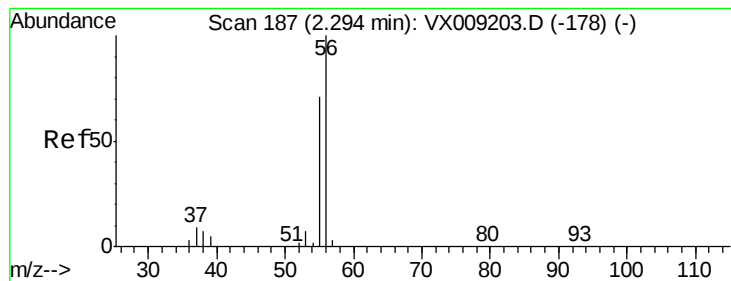
MMDadoda
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#12
1,1-Dichloroethene
Concen: 46.961 ug/l
RT: 2.37 min Scan# 199
Delta R.T. 0.00 min
Lab File: VX009553.D
Acq: 14 May 2019 10:32

Tgt Ion: 96 Resp: 79602
Ion Ratio Lower Upper
96 100
61 182.1 144.3 216.5
98 63.5 50.3 75.5





#13

Acrolein

Concen: 217.236 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX009553.D

Acq: 14 May 2019 10:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 112308

Ion Ratio Lower Upper

56 100

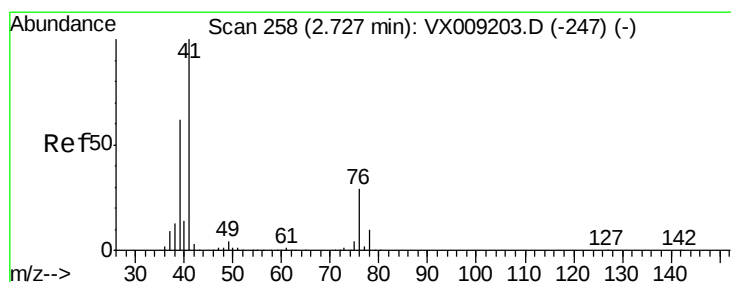
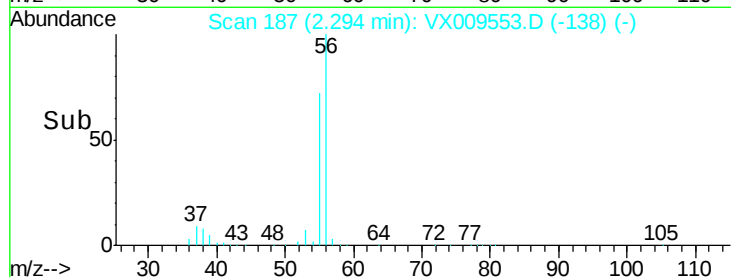
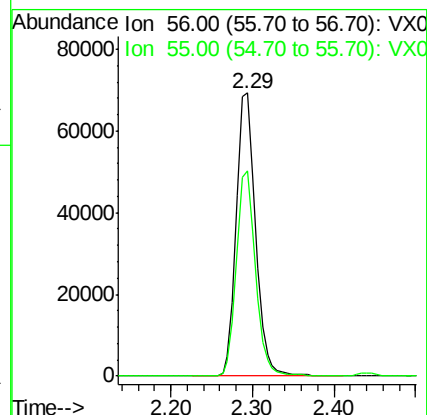
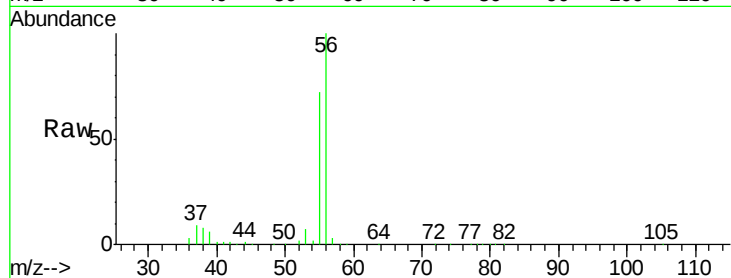
55 71.8 56.6 85.0

Manual Integrations

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#14

Allyl chloride

Concen: 45.408 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX009553.D

Acq: 14 May 2019 10:32

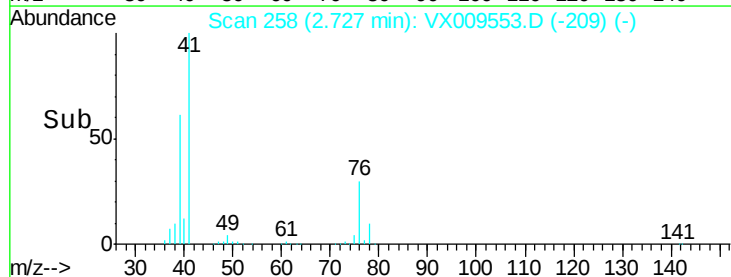
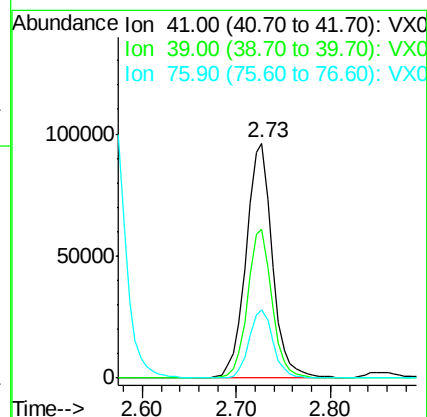
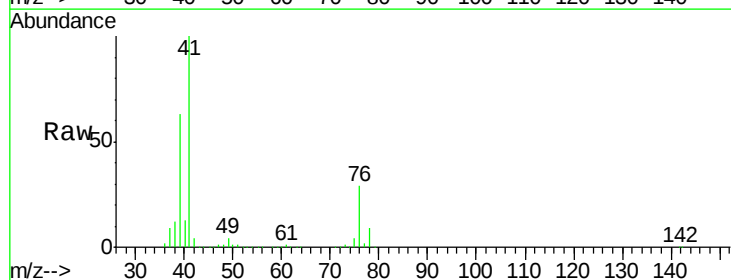
Tgt Ion: 41 Resp: 187575

Ion Ratio Lower Upper

41 100

39 59.4 46.7 70.1

76 27.0 21.8 32.8





#15

Acrylonitrile

Concen: 216.648 ug/l

RT: 3.14 min Scan# 325

Delta R.T. -0.01 min

Lab File: VX009553.D

Acq: 14 May 2019 10:32

Instrument :

MSVOA_X

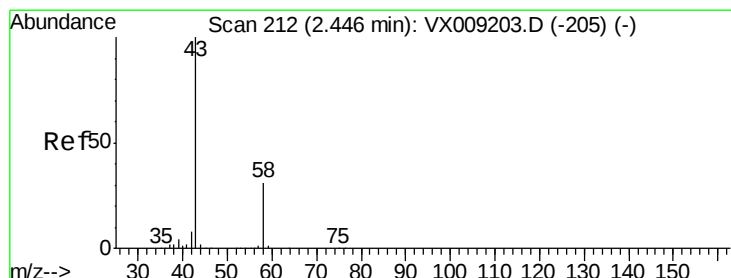
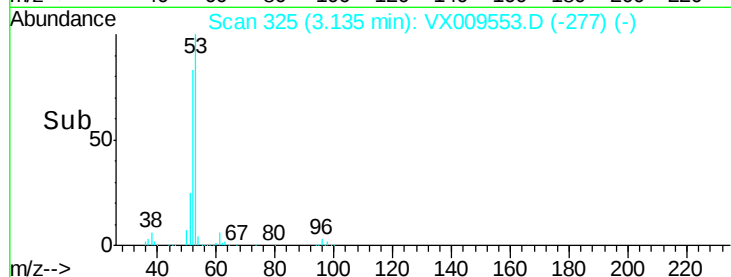
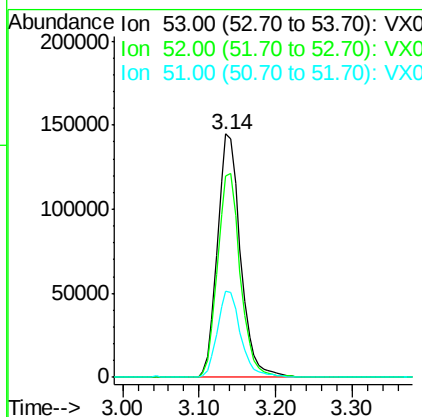
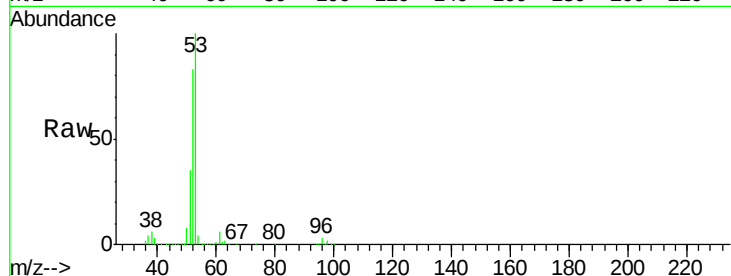
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	302395
Ion Ratio		Lower	Upper
53	100		
52	83.1	66.9	100.3
51	35.9	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 237.143 ug/l

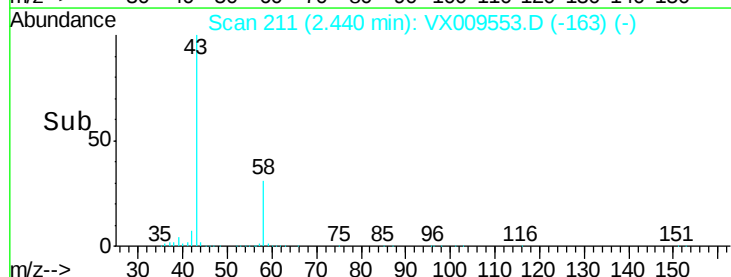
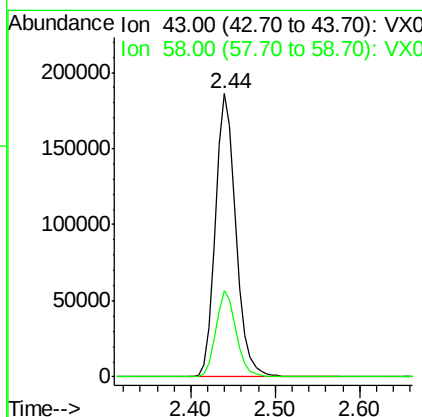
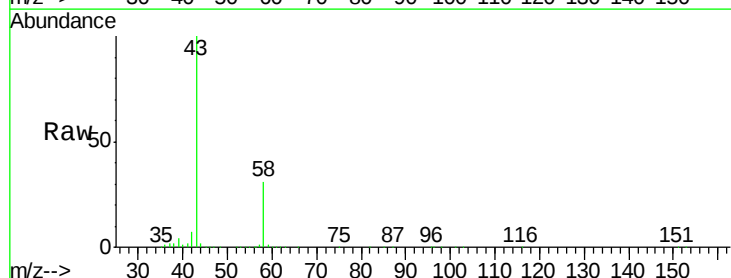
RT: 2.44 min Scan# 211

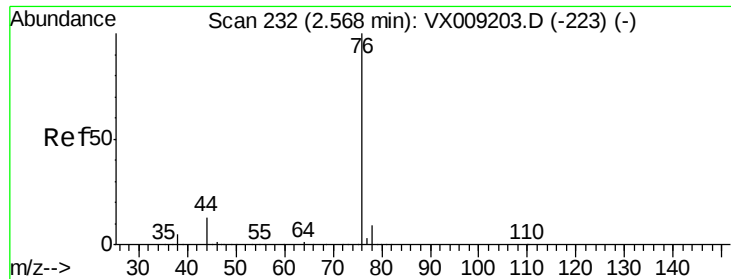
Delta R.T. -0.01 min

Lab File: VX009553.D

Acq: 14 May 2019 10:32

Tgt Ion:	43	Resp:	314034
Ion Ratio		Lower	Upper
43	100		
58	30.6	24.9	37.3





#17

Carbon Disulfide

Concen: 47.092 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX009553.D

Acq: 14 May 2019 10:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 224112

Ion Ratio Lower Upper

76 100

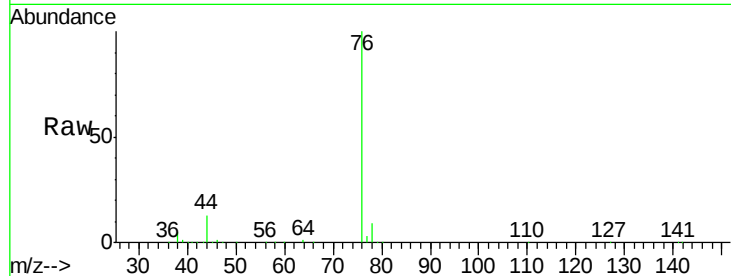
78 9.0 7.4 11.0

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

150000

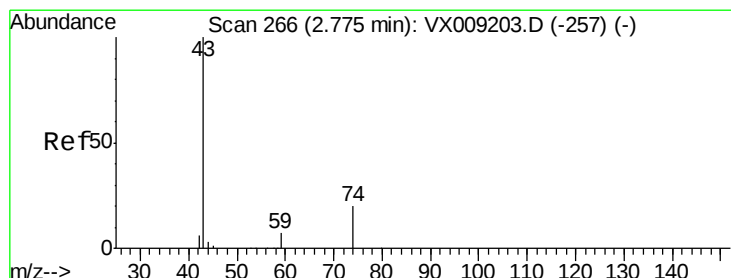
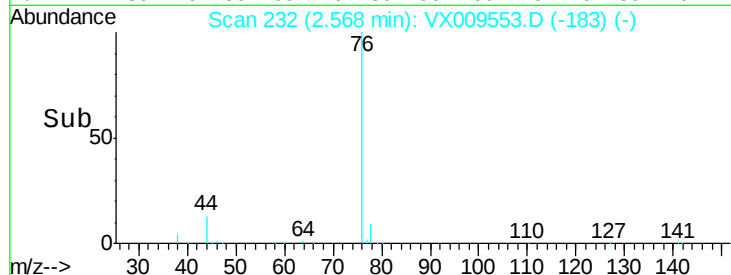
2.57

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 41.715 ug/l

RT: 2.77 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX009553.D

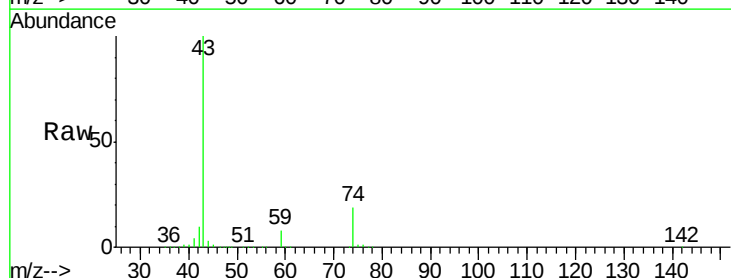
Acq: 14 May 2019 10:32

Tgt Ion: 43 Resp: 131373

Ion Ratio Lower Upper

43 100

74 20.3 16.2 24.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

80000

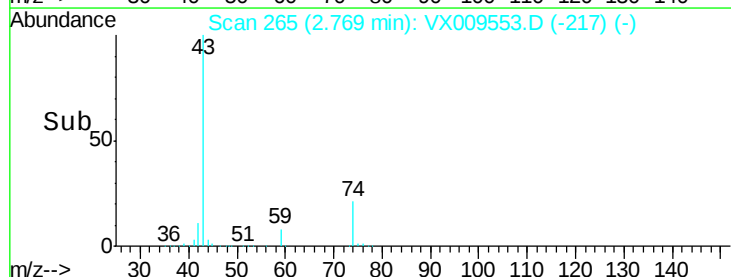
60000

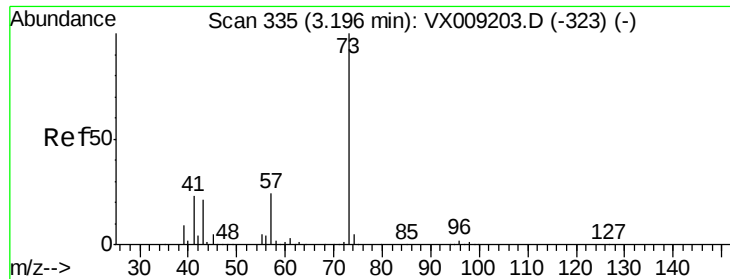
40000

20000

0

Time-->





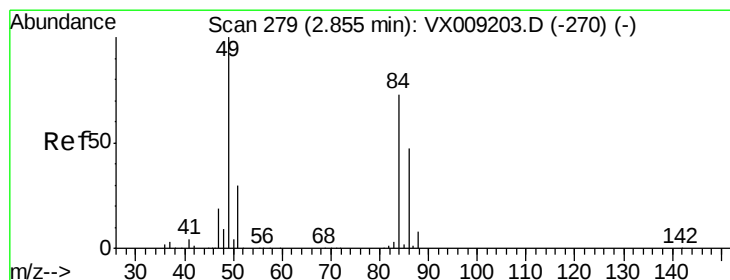
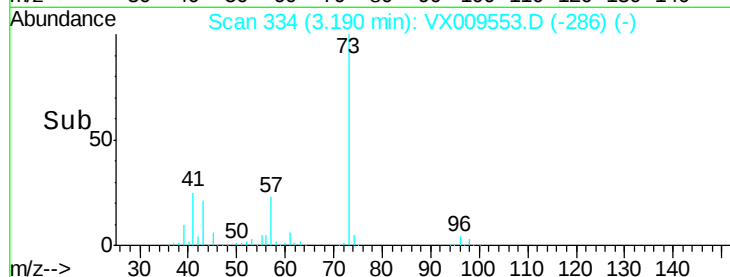
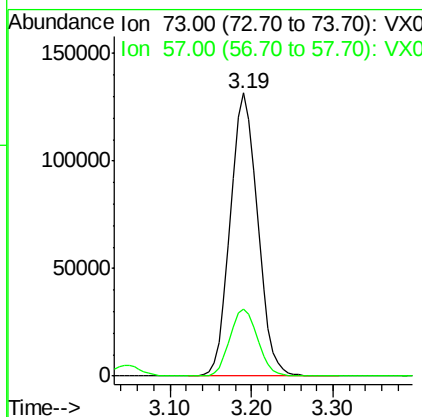
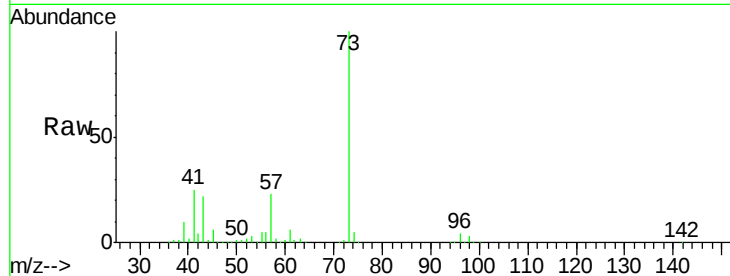
#19
Methvl tert-butvl Ether
Concen: 46.243 ug/l
RT: 3.19 min Scan# 334
Delta R.T. -0.01 min
Lab File: VX009553.D
Acq: 14 May 2019 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.5	19.3	28.9

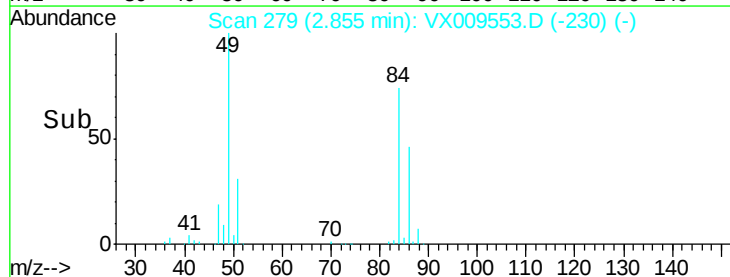
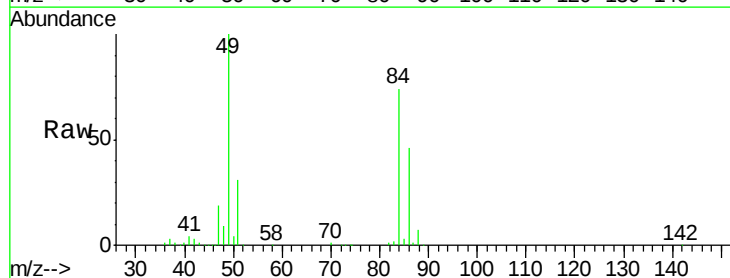
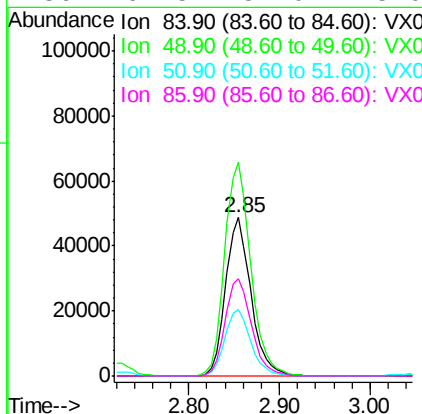
Manual Integrations
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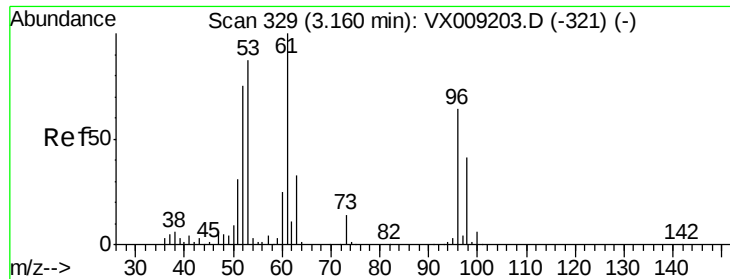
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#20
Methylene Chloride
Concen: 44.315 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX009553.D
Acq: 14 May 2019 10:32

Tgt Ion	Ratio	Lower	Upper
84	100		
49	134.8	109.9	164.9
51	41.7	32.7	49.1
86	61.5	52.0	78.0





#21

trans-1,2-Dichloroethene

Concen: 46.482 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX009553.D

Acq: 14 May 2019 10:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 85449

Ion Ratio Lower Upper

96 100

61 155.5 124.5 186.7

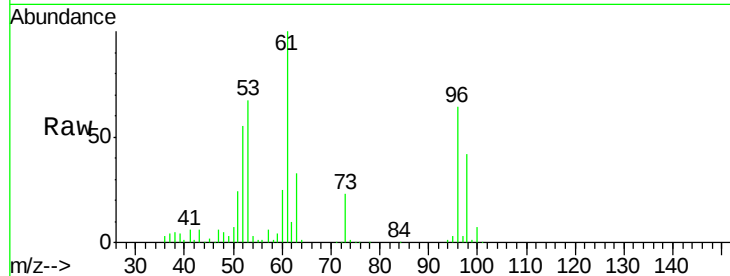
98 64.9 50.4 75.6

Manual Integrations

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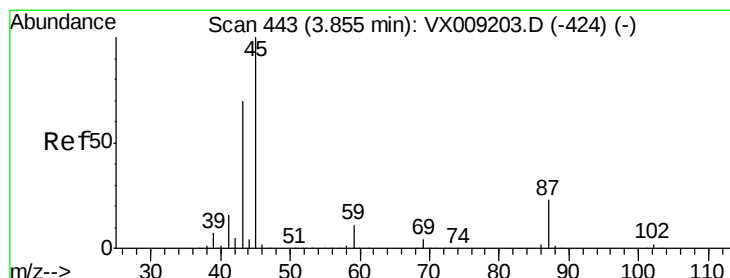
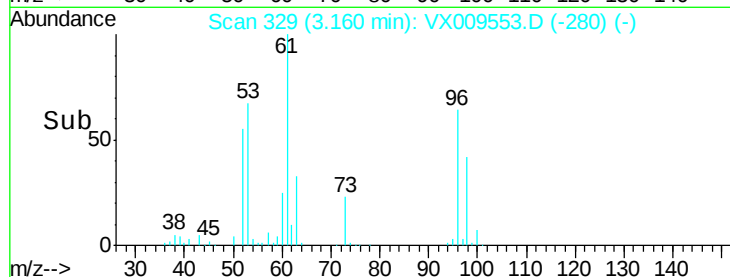
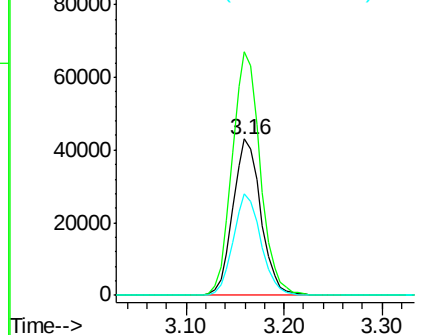
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Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 46.394 ug/l

RT: 3.85 min Scan# 442

Delta R.T. -0.01 min

Lab File: VX009553.D

Acq: 14 May 2019 10:32

Tgt Ion: 45 Resp: 368565

Ion Ratio Lower Upper

45 100

43 76.1 56.1 84.1

87 23.4 18.1 27.1

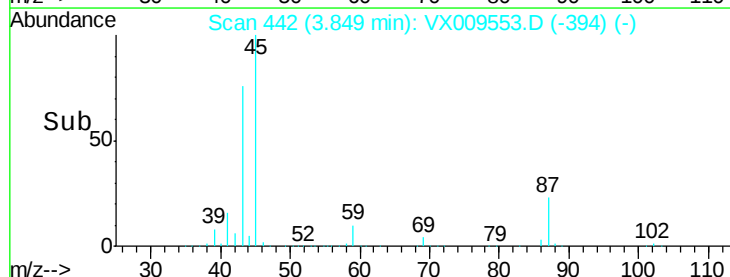
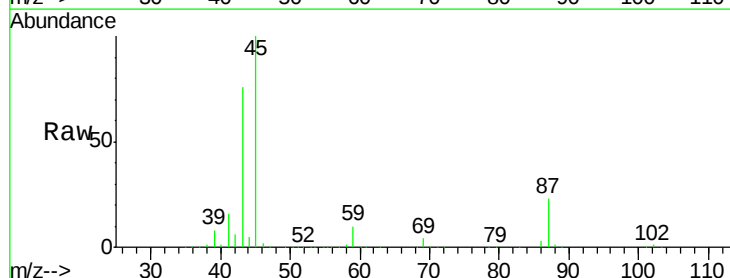
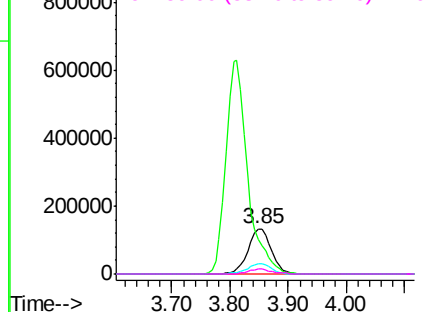
59 10.4 8.5 12.7

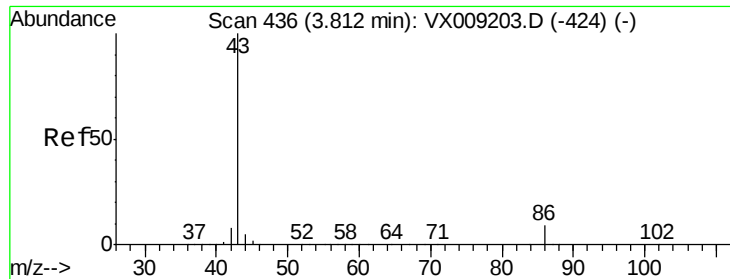
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 240.077 ug/l

RT: 3.81 min Scan# 436

Delta R.T. 0.00 min

Lab File: VX009553.D

Acq: 14 May 2019 10:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1633179

Ion Ratio Lower Upper

43 100

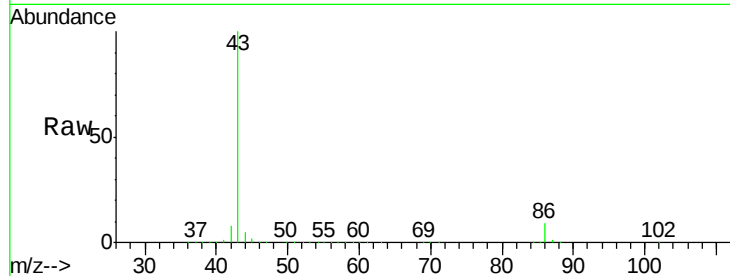
86 8.5 6.9 10.3

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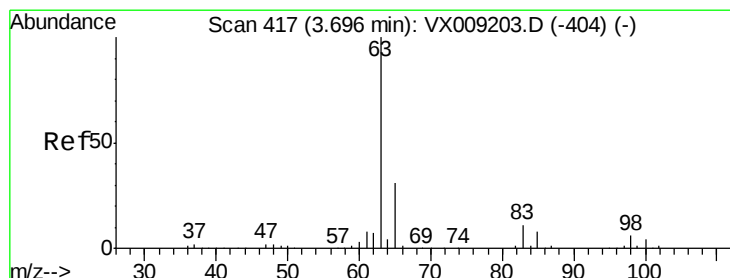
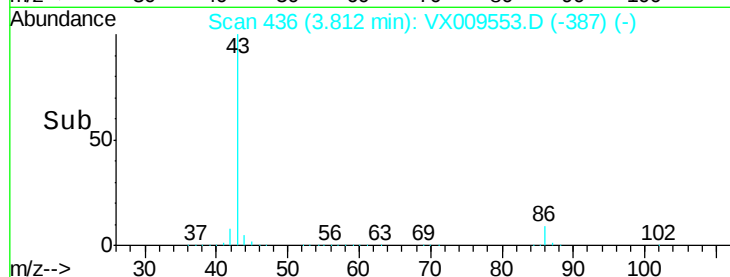
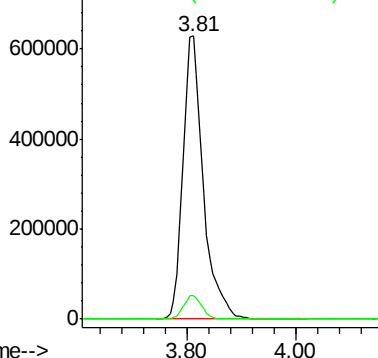
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 45.634 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX009553.D

Acq: 14 May 2019 10:32

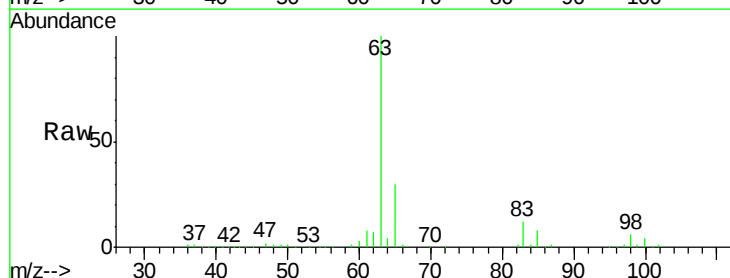
Tgt Ion: 63 Resp: 178838

Ion Ratio Lower Upper

63 100

98 5.9 3.0 9.2

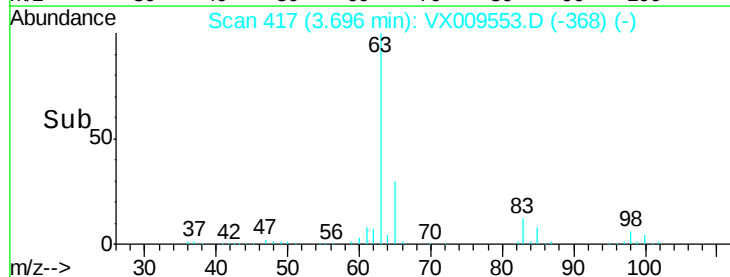
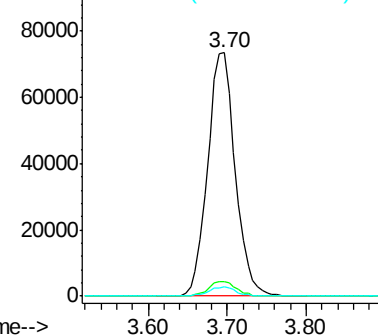
100 4.0 2.0 6.0

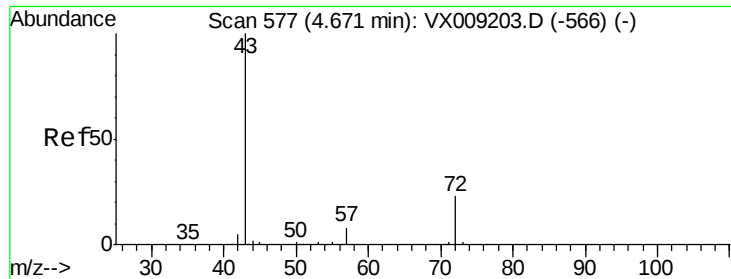


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 227.261 ug/l

RT: 4.67 min Scan# 576

Delta R.T. -0.01 min

Lab File: VX009553.D

Acq: 14 May 2019 10:32

Tot Ion: 43 Resp: 467663

Ion Ratio Lower Upper

43 100

72 22.6 18.2 27.2

Instrument :

MSVOA_X

ClientSampleId :

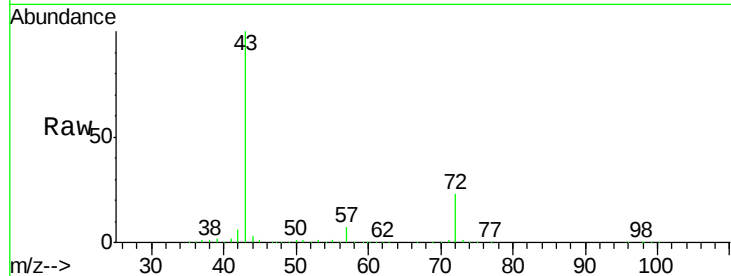
VSTDCCC050

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.67

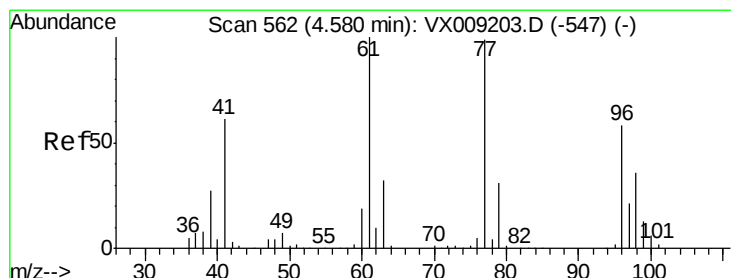
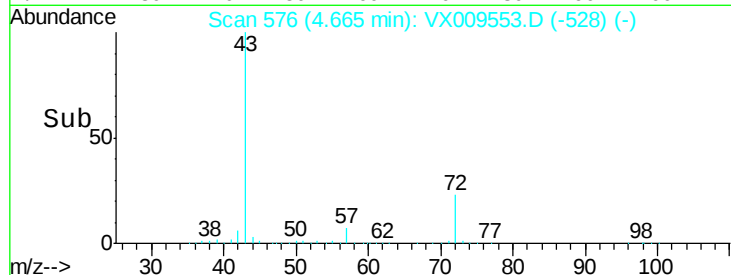
150000

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 47.846 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX009553.D

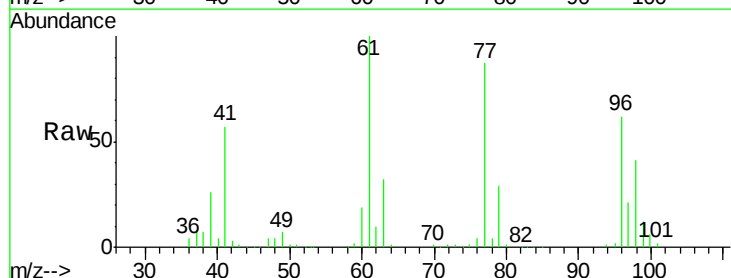
Acq: 14 May 2019 10:32

Tgt Ion: 77 Resp: 139569

Ion Ratio Lower Upper

77 100

97 22.8 11.5 34.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

4.58

50000

40000

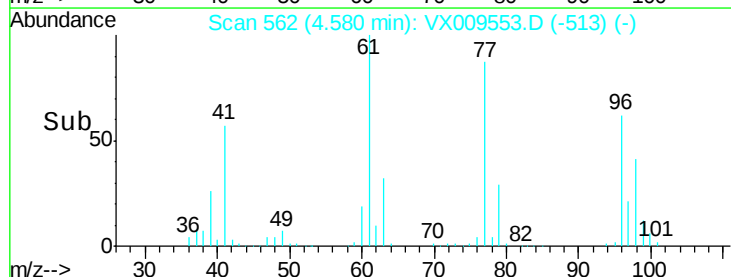
30000

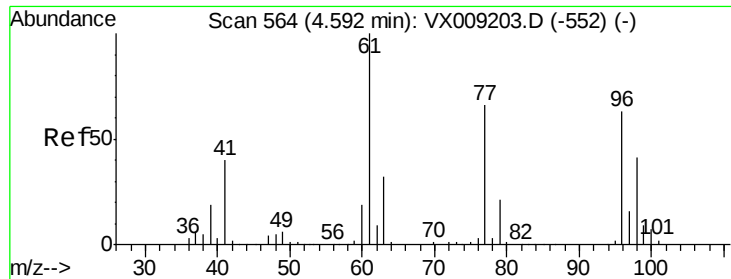
20000

10000

0

Time-->





#27

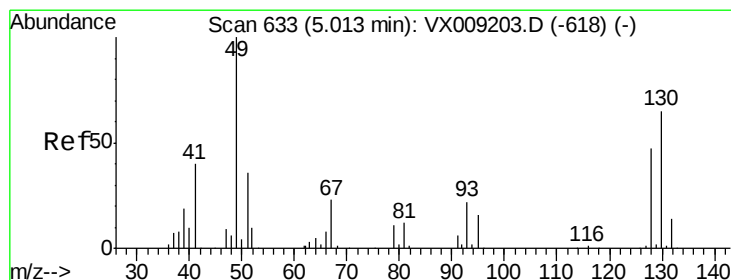
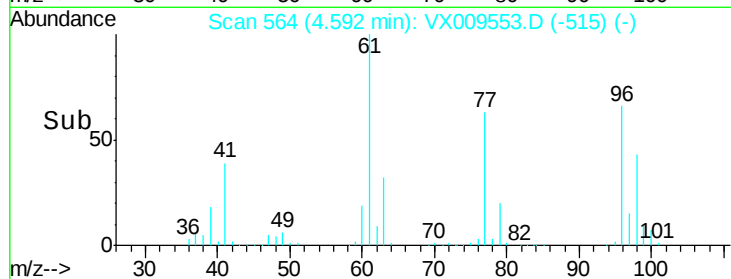
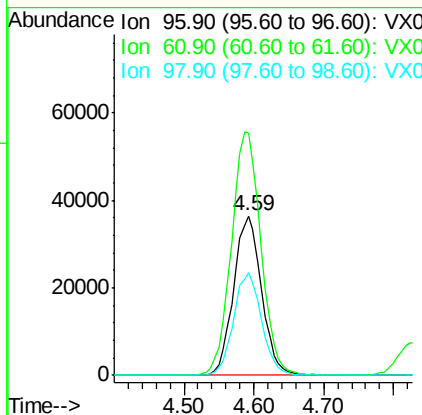
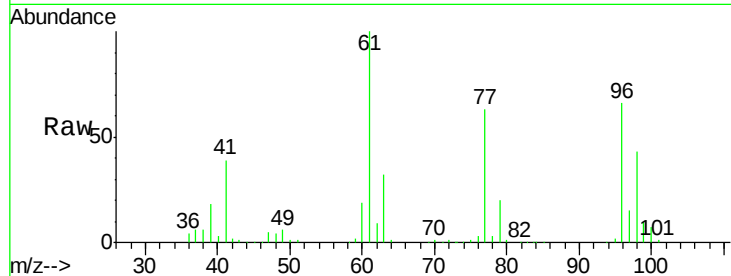
cis-1,2-Dichloroethene
Concen: 46.126 ug/l
RT: 4.59 min Scan# 564
Delta R.T. 0.00 min
Lab File: VX009553.D
Acq: 14 May 2019 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	101211		
61	161.2	0.0	324.0	
98	64.5	0.0	130.4	

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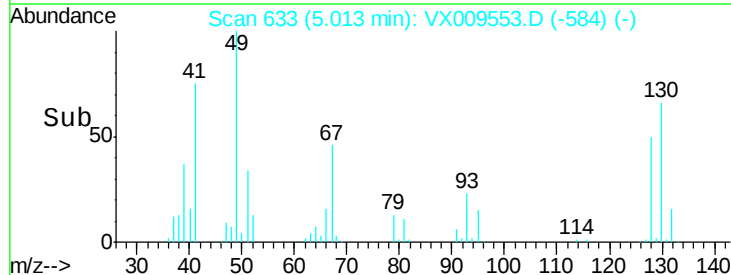
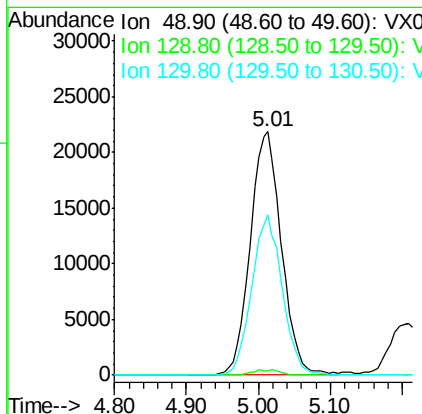
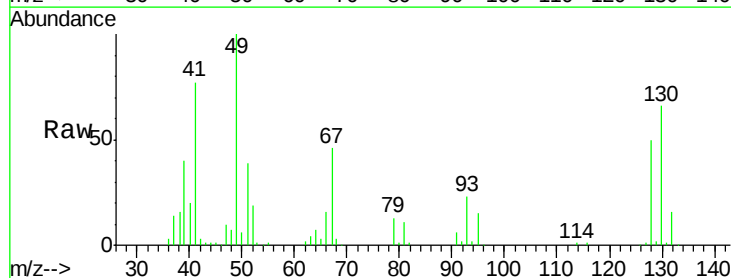
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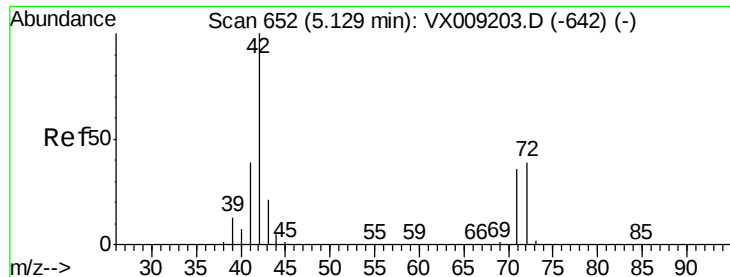


#28

Bromochloromethane
Concen: 41.306 ug/l
RT: 5.01 min Scan# 633
Delta R.T. 0.00 min
Lab File: VX009553.D
Acq: 14 May 2019 10:32

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	65916		
129	1.9	0.0	3.8	
130	64.0	51.2	76.8	





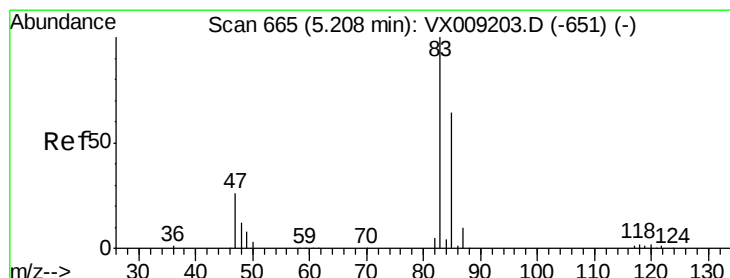
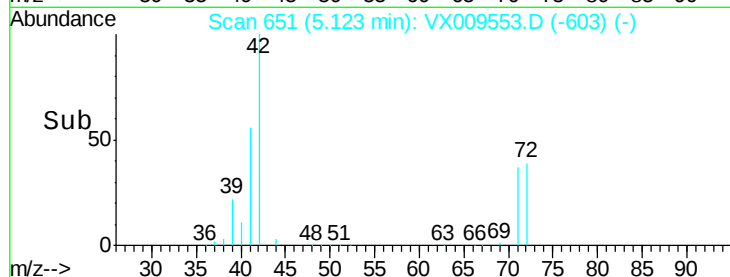
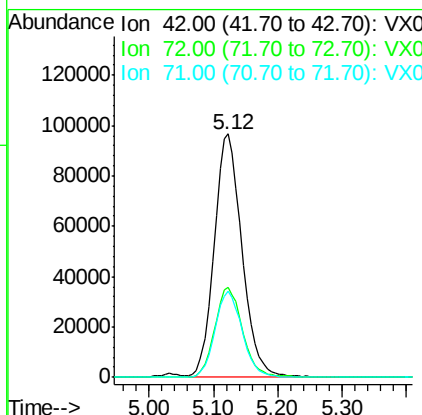
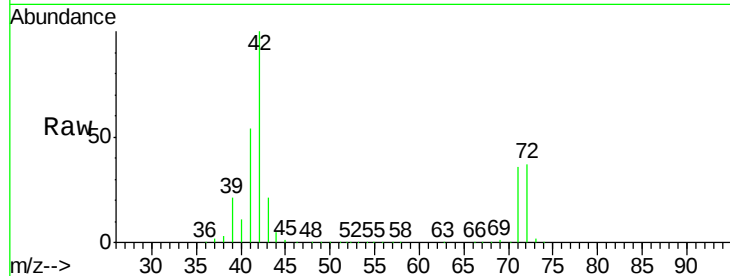
#29
Tetrahydrofuran
Concen: 219.911 ug/l
RT: 5.12 min Scan# 651
Delta R.T. -0.01 min
Lab File: VX009553.D
Acq: 14 May 2019 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.4	30.4	45.6
71	35.2	28.6	43.0

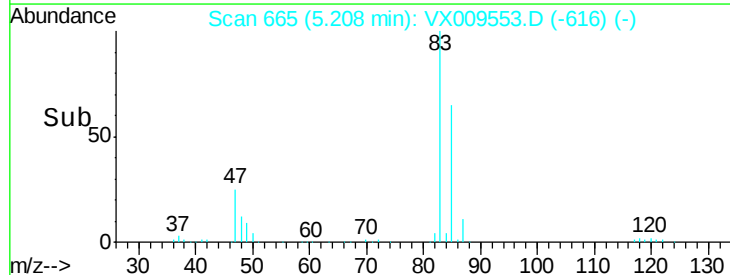
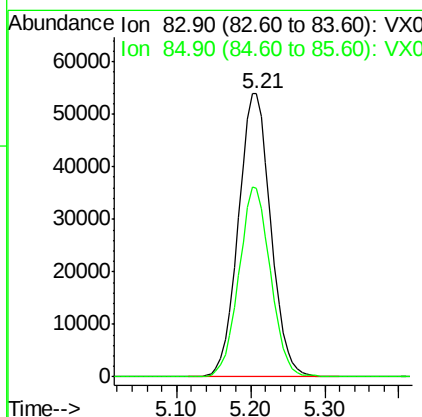
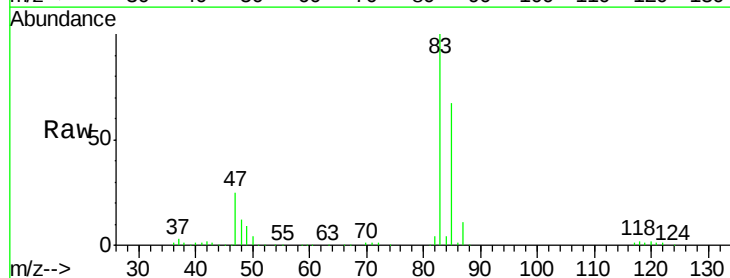
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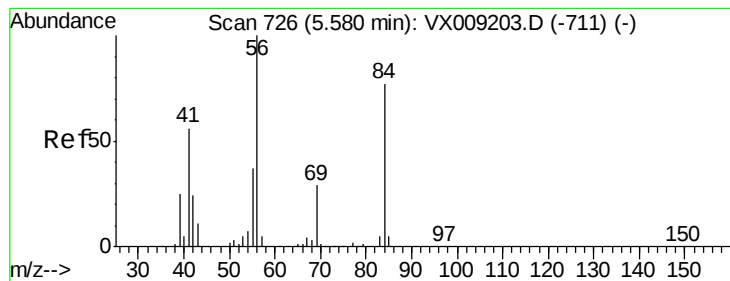
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#30
Chloroform
Concen: 46.463 ug/l
RT: 5.21 min Scan# 665
Delta R.T. 0.00 min
Lab File: VX009553.D
Acq: 14 May 2019 10:32

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.6	51.5	77.3





#31

Cyclohexane

Concen: 48.094 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.01 min

Lab File: VX009553.D

Acq: 14 May 2019 10:32

Instrument :

MSVOA_X

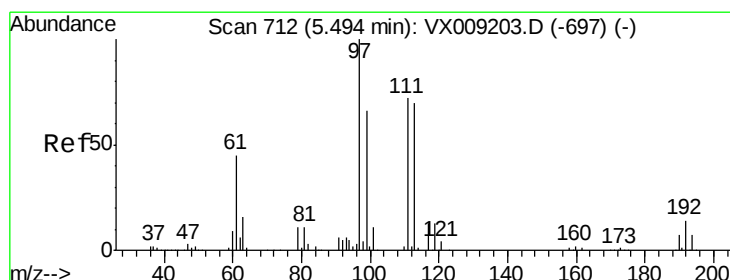
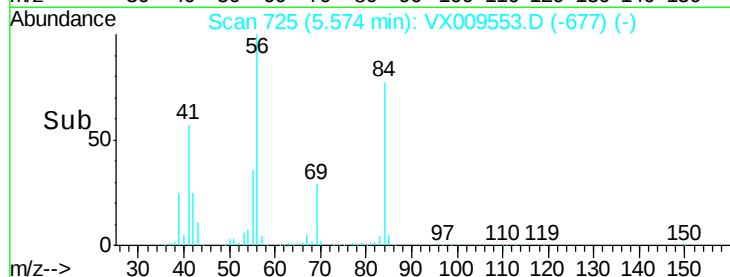
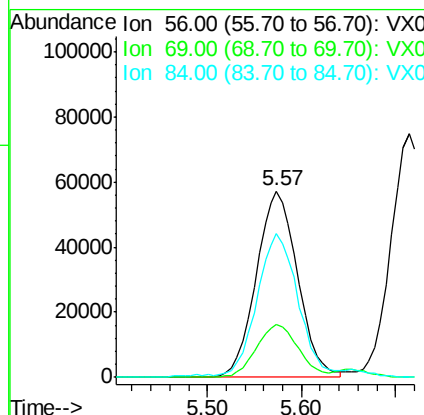
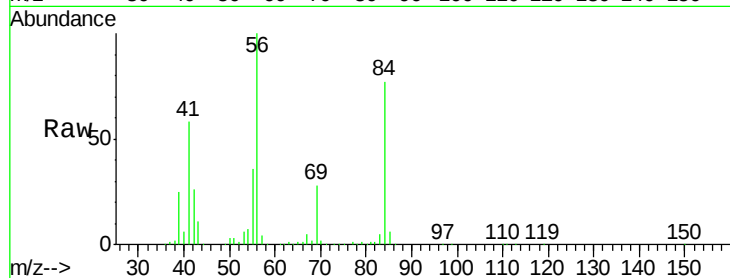
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
56	100		175355		
69	28.5	23.4	35.0		
84	75.9	61.9	92.9		

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#32

1,1,1-Trichloroethane

Concen: 46.923 ug/l

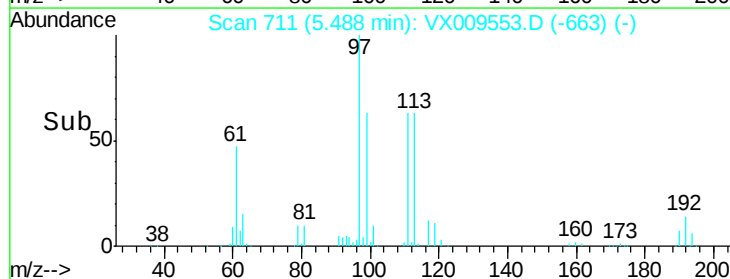
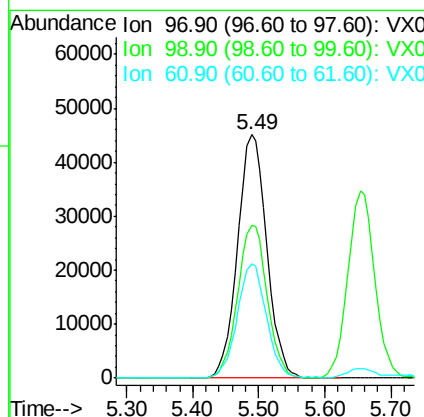
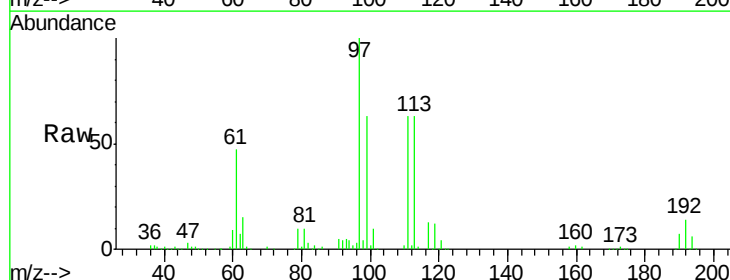
RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX009553.D

Acq: 14 May 2019 10:32

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
97	100		138450		
99	63.4	51.8	77.8		
61	47.0	37.8	56.8		





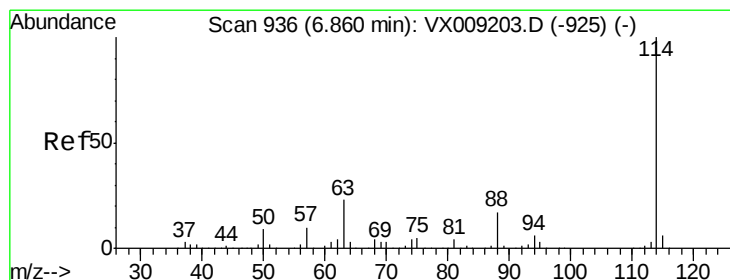
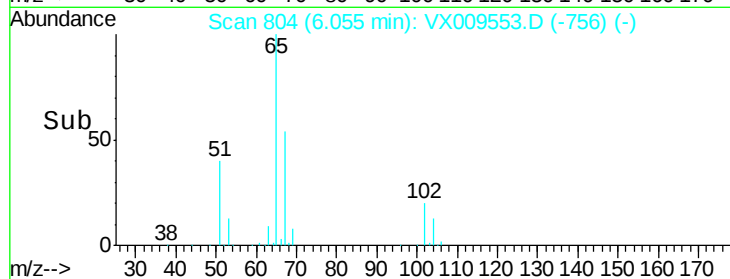
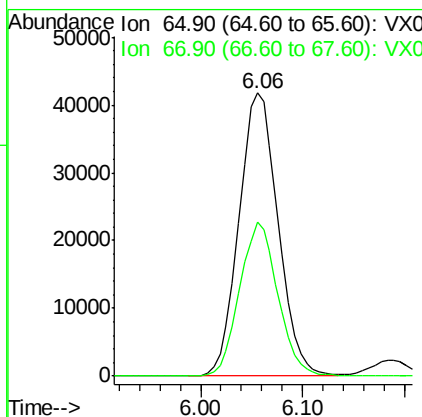
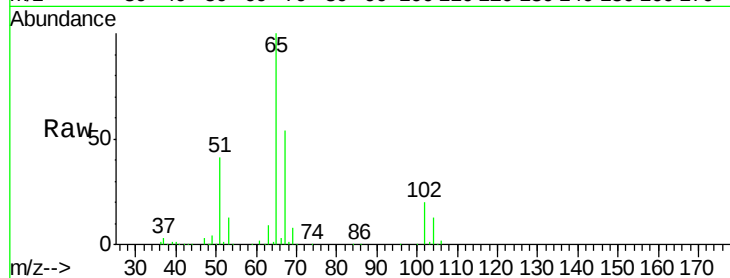
#33
 1,2-Dichloroethane-d4
 Concen: 45.160 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. -0.01 min
 Lab File: VX009553.D
 Acq: 14 May 2019 10:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 65 Resp: 111372
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 106.6

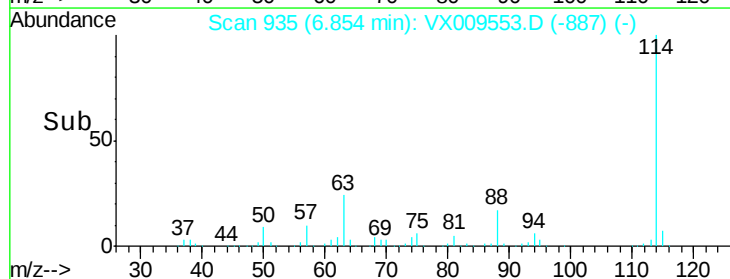
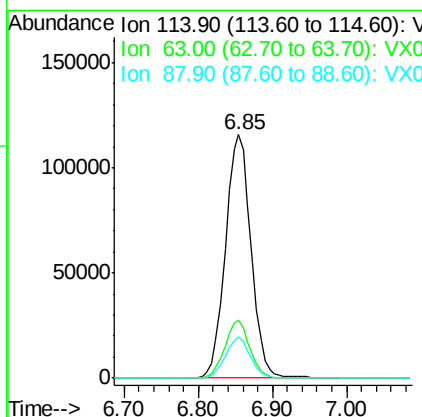
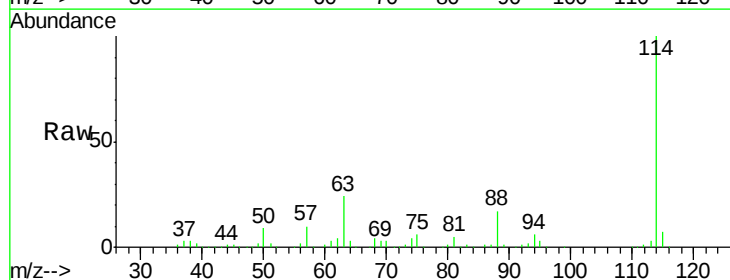
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX009553.D
 Acq: 14 May 2019 10:32

Tgt Ion: 114 Resp: 277043
 Ion Ratio Lower Upper
 114 100
 63 23.7 0.0 45.6
 88 17.0 0.0 33.2





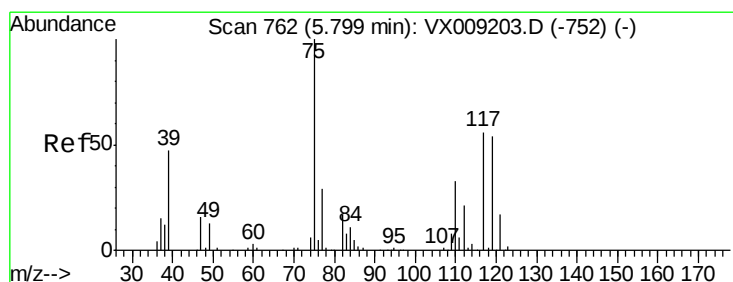
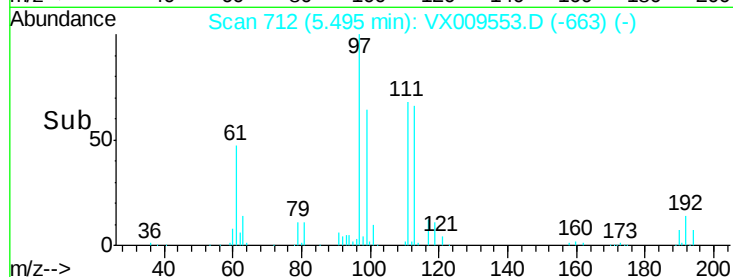
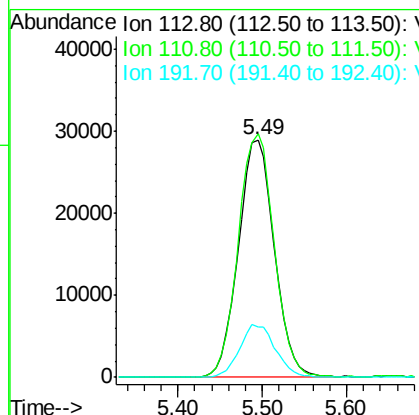
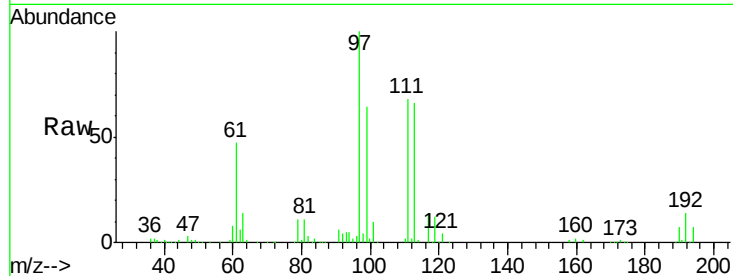
#35
 Dibromofluoromethane
 Concen: 47.917 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. 0.00 min
 Lab File: VX009553.D
 Acq: 14 May 2019 10:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.8	124.2
192	22.0	17.0	25.6

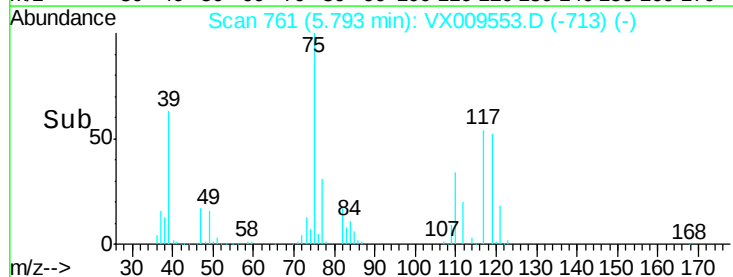
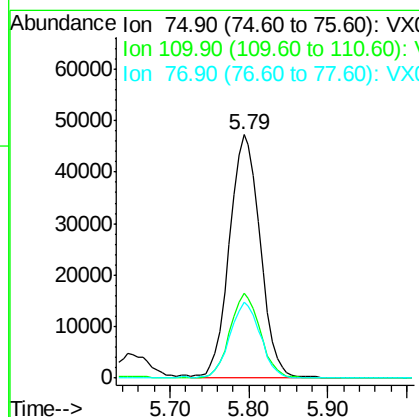
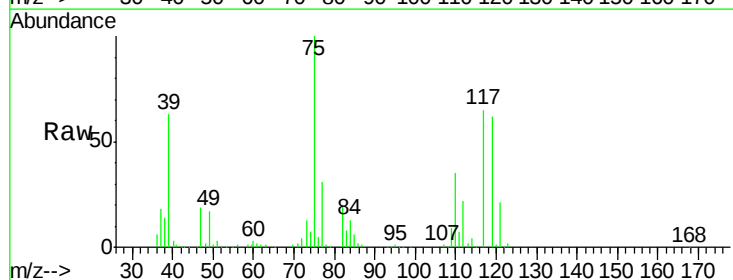
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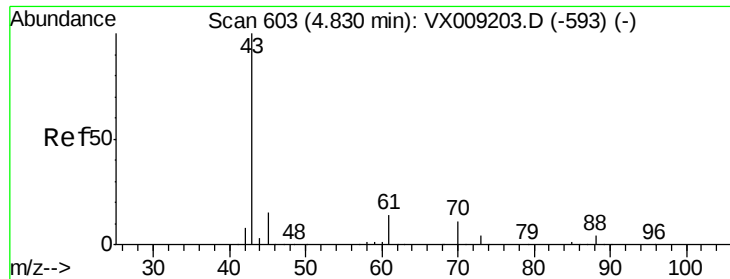
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#36
 1,1-Dichloropropene
 Concen: 49.635 ug/l
 RT: 5.79 min Scan# 761
 Delta R.T. -0.01 min
 Lab File: VX009553.D
 Acq: 14 May 2019 10:32

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.5	16.9	50.6
77	31.2	24.8	37.2





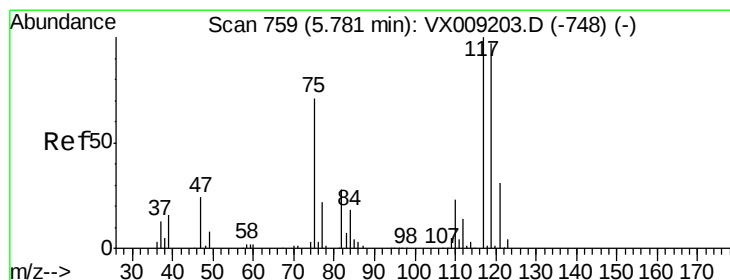
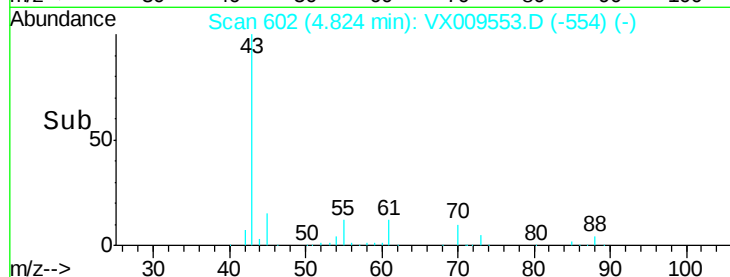
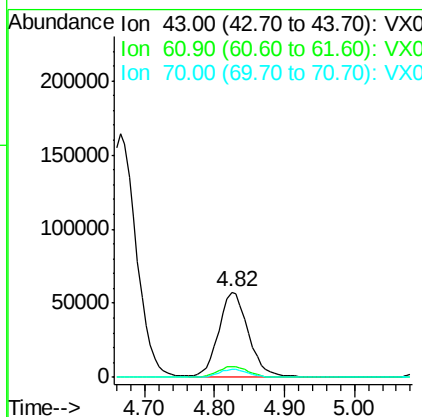
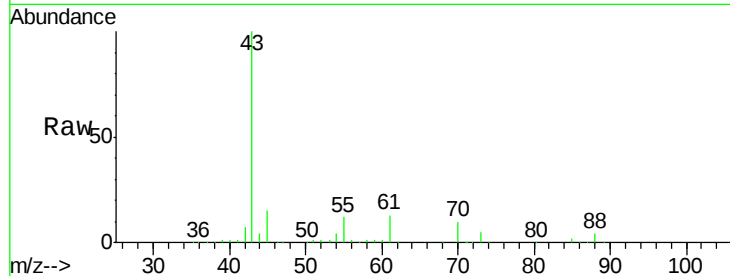
#37
Ethyl Acetate
Concen: 47.062 ug/l
RT: 4.82 min Scan# 602
Delta R.T. -0.01 min
Lab File: VX009553.D
Acq: 14 May 2019 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.5	15.7
70	9.5	7.9	11.9

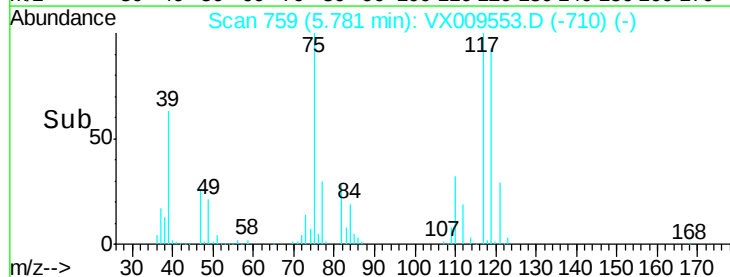
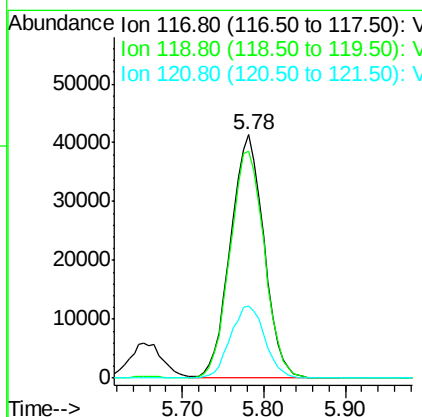
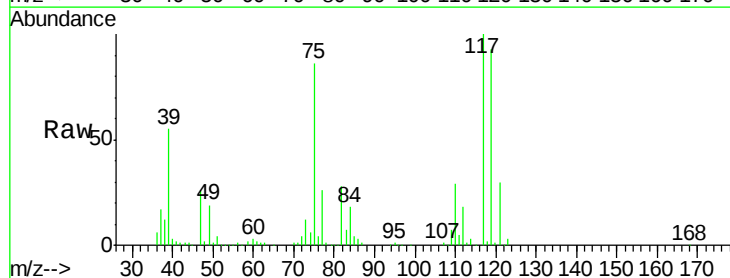
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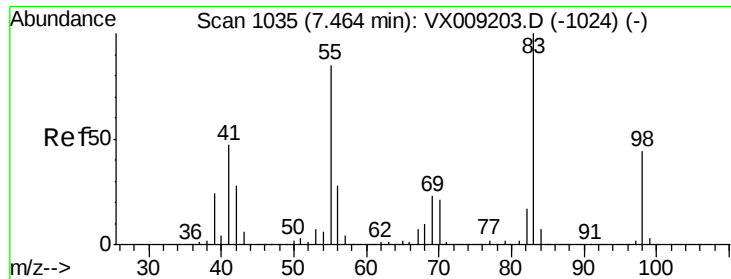
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#38
Carbon Tetrachloride
Concen: 50.303 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX009553.D
Acq: 14 May 2019 10:32

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.0	77.5	116.3
121	29.8	24.7	37.1





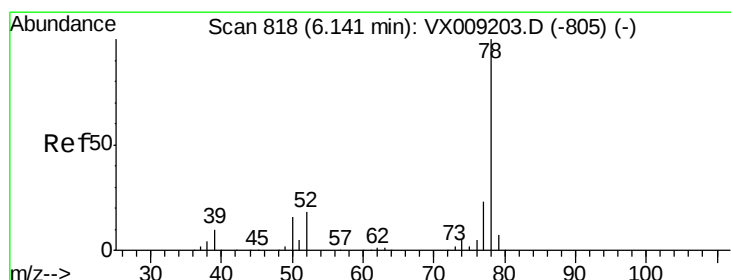
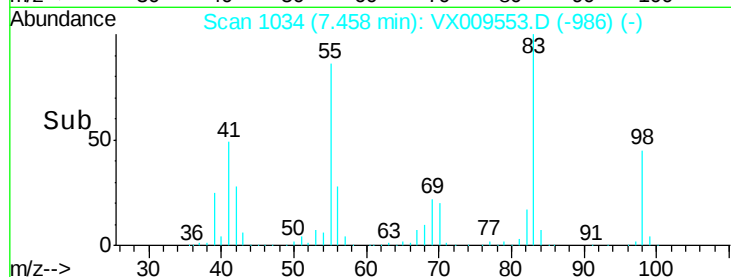
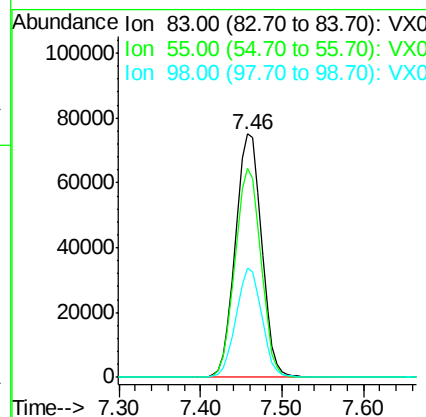
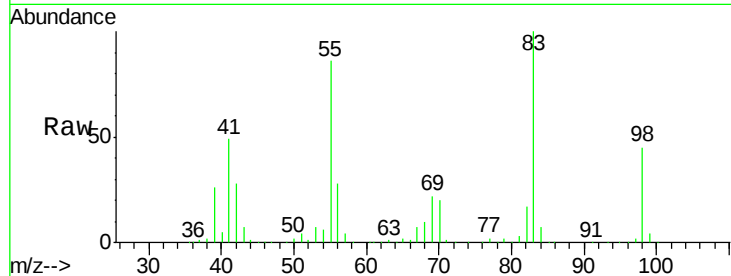
#39
Methvlcvclohexane
Concen: 52.454 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX009553.D
Acq: 14 May 2019 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	85.8	67.7	101.5
98	44.8	35.5	53.3

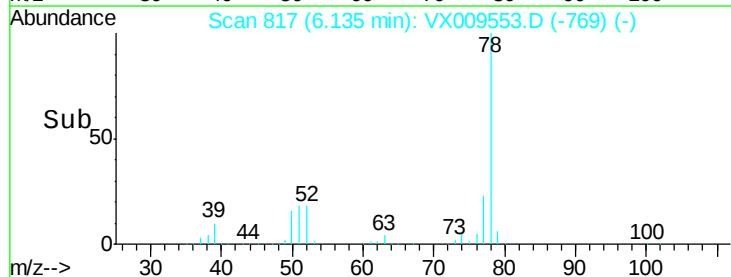
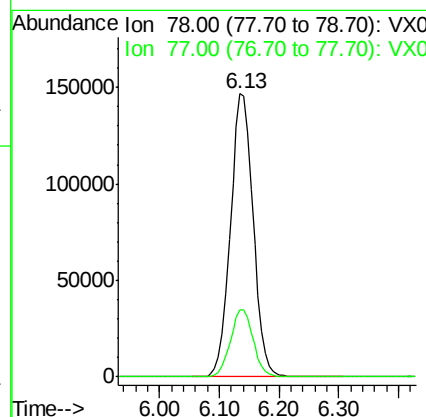
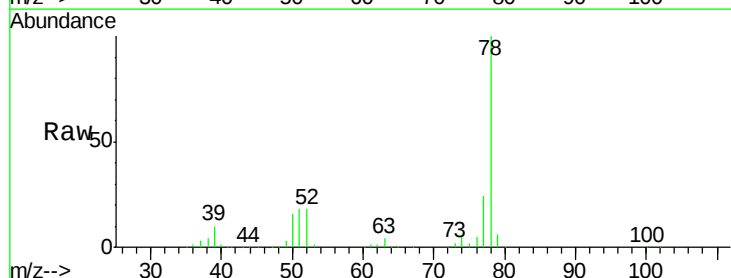
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#40
Benzene
Concen: 48.848 ug/l
RT: 6.13 min Scan# 817
Delta R.T. -0.01 min
Lab File: VX009553.D
Acq: 14 May 2019 10:32

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.8	28.2





#41

Methacrylonitrile

Concen: 46.536 ug/l

RT: 5.04 min Scan# 637

Delta R.T. -0.01 min

Lab File: VX009553.D

Acq: 14 May 2019 10:32

Instrument :

MSVOA_X

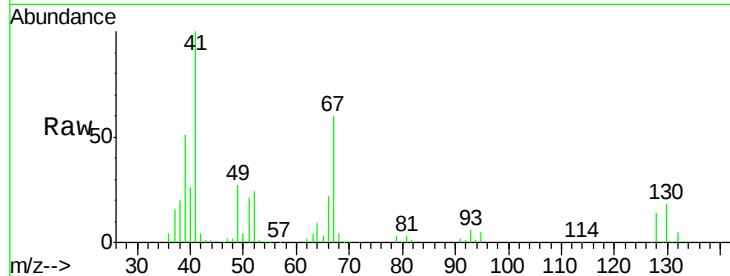
ClientSampleId :

VSTDCCC050

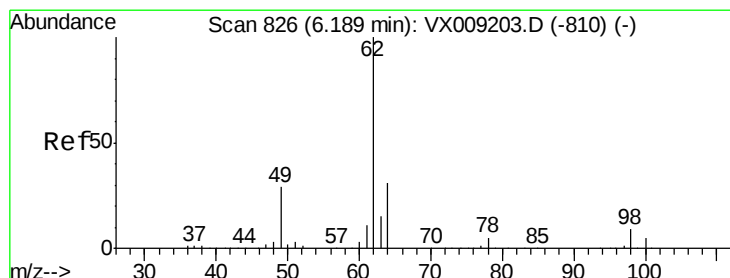
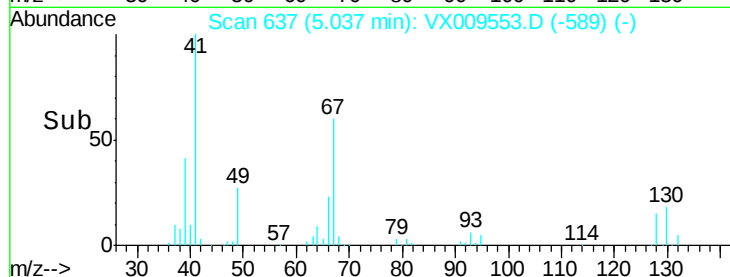
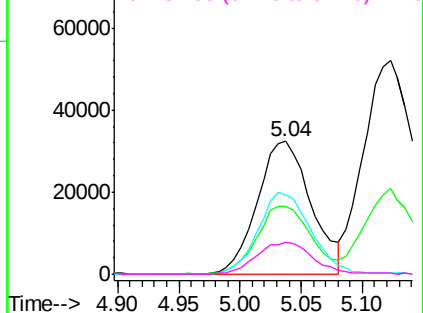
Tot Ion:	41	Resp:	99371
Ion Ratio	Lower	Upper	
41	100		
39	51.7	42.0	63.0
67	60.8	49.8	74.8
52	25.1	20.3	30.5

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Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 48.721 ug/l

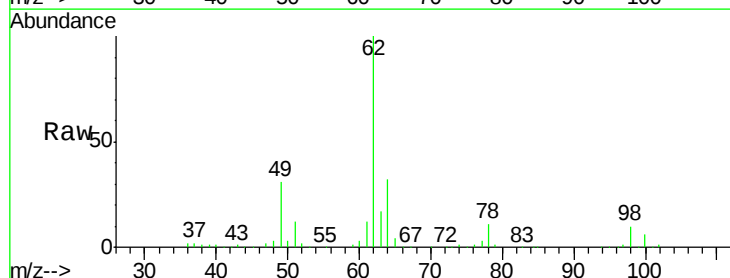
RT: 6.18 min Scan# 825

Delta R.T. -0.01 min

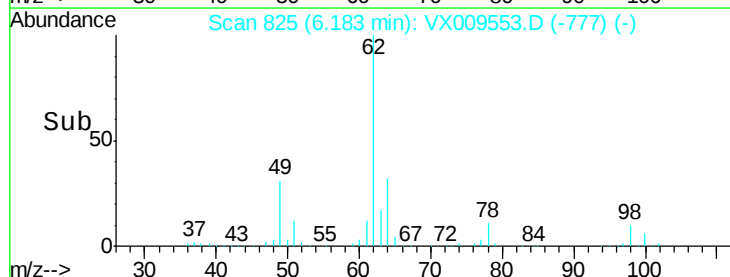
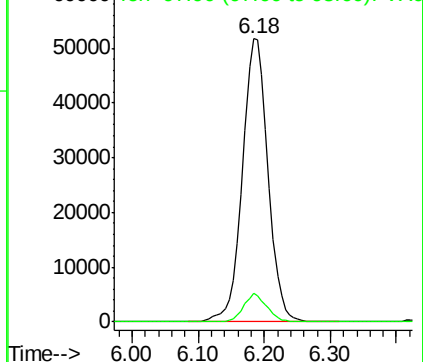
Lab File: VX009553.D

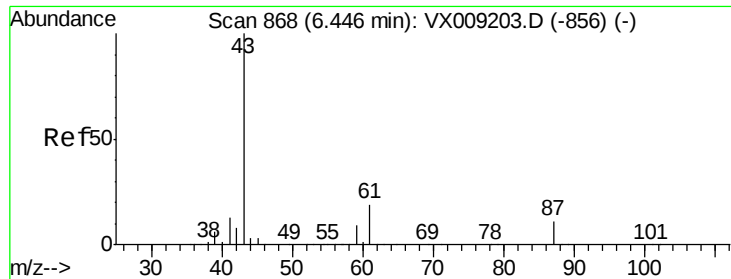
Acq: 14 May 2019 10:32

Tgt Ion:	62	Resp:	139256
Ion Ratio	Lower	Upper	
62	100		
98	9.1	0.0	18.2



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0





#43

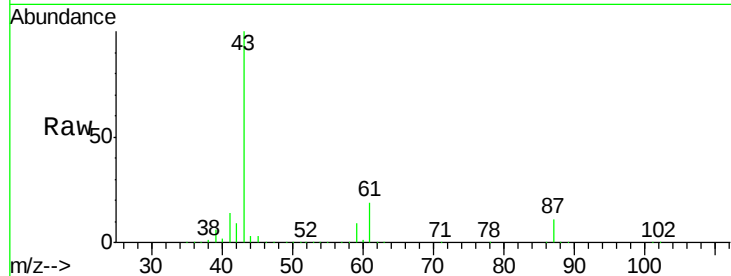
Isopropyl Acetate
 Concen: 47.687 ug/l
 RT: 6.44 min Scan# 867
 Delta R.T. -0.01 min
 Lab File: VX009553.D
 Acq: 14 May 2019 10:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

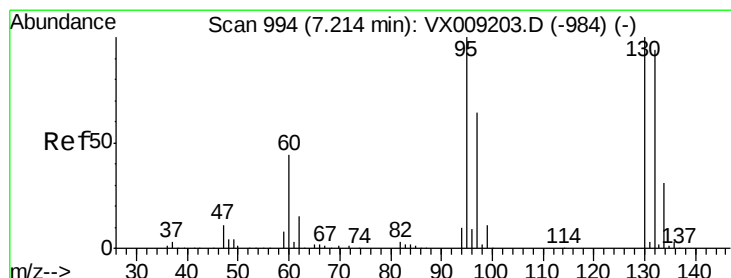
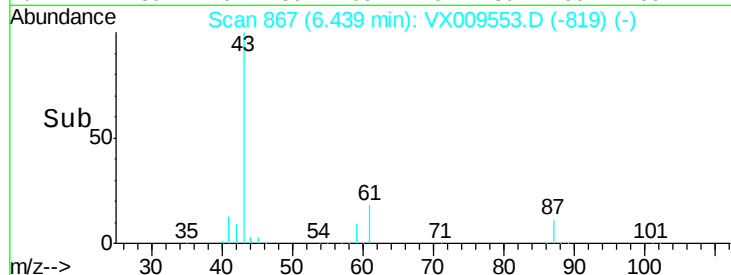
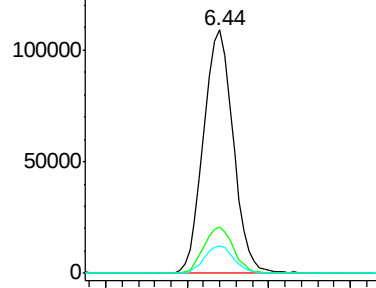
Tot Ion	Ratio	Lower	Upper
43	100		
61	19.0	15.1	22.7
87	11.3	9.0	13.6

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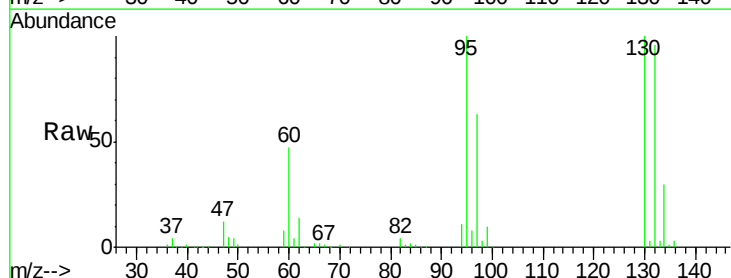
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



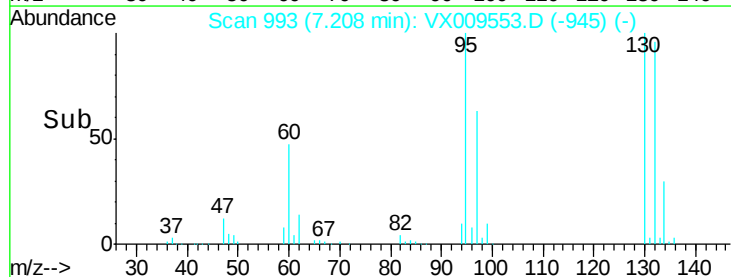
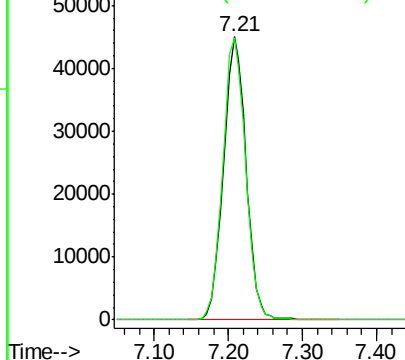
#44

Trichloroethene
 Concen: 49.449 ug/l
 RT: 7.21 min Scan# 993
 Delta R.T. -0.01 min
 Lab File: VX009553.D
 Acq: 14 May 2019 10:32

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.8	0.0	199.2



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0





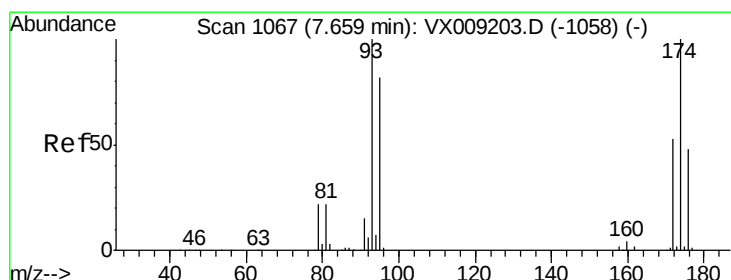
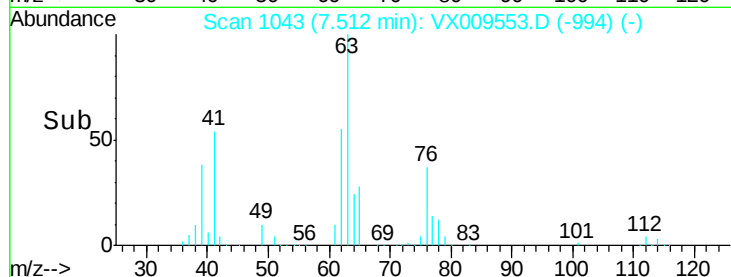
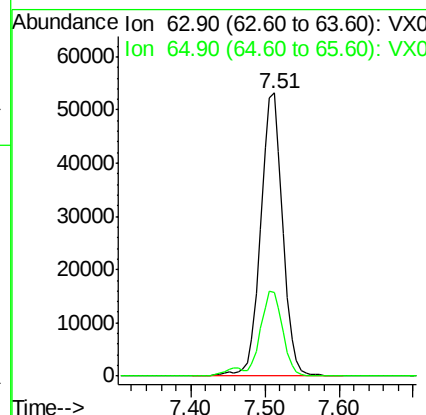
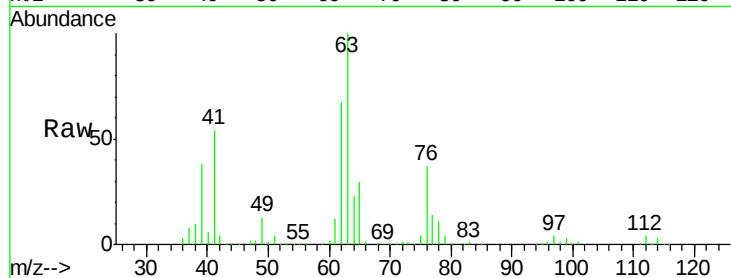
#45
 1,2-Dichloropropane
 Concen: 48.974 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX009553.D
 Acq: 14 May 2019 10:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 110495
 Ion Ratio Lower Upper
 63 100
 65 29.5 25.0 37.6

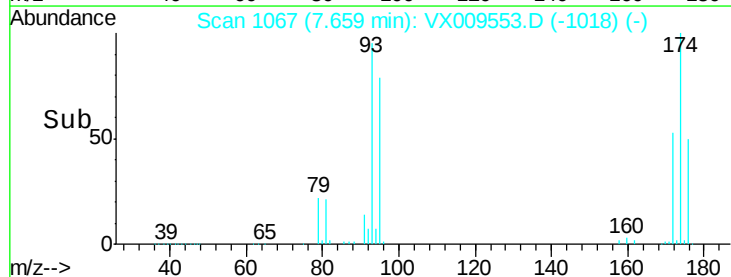
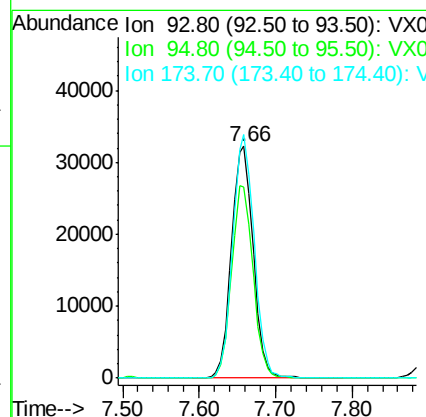
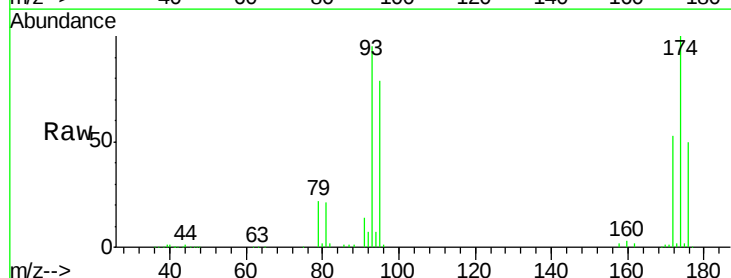
Manual Integrations
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#46
 Dibromomethane
 Concen: 48.463 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX009553.D
 Acq: 14 May 2019 10:32

Tgt Ion: 93 Resp: 63496
 Ion Ratio Lower Upper
 93 100
 95 82.0 66.5 99.7
 174 103.5 82.1 123.1





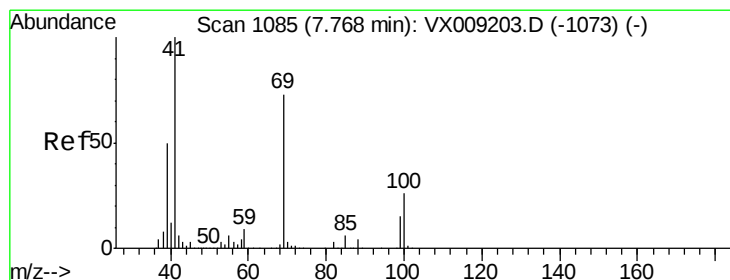
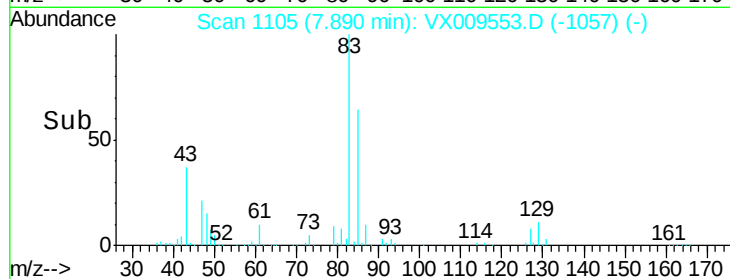
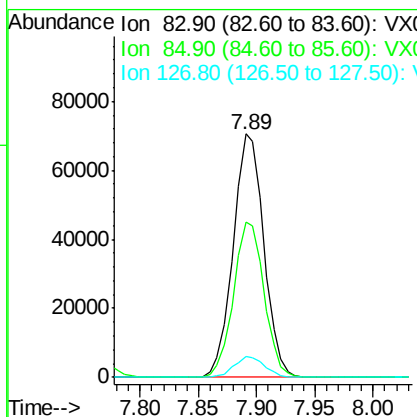
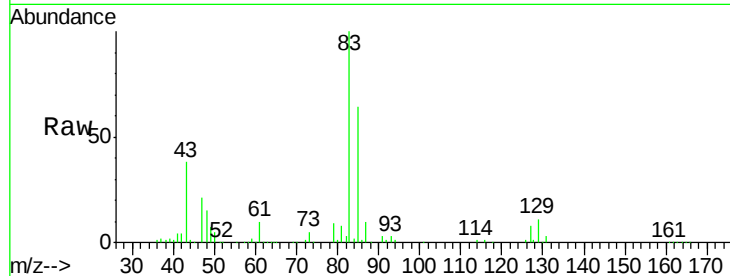
#47
Bromodichloromethane
Concen: 49.554 ug/l
RT: 7.89 min Scan# 1105
Delta R.T. -0.01 min
Lab File: VX009553.D
Acq: 14 May 2019 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	129510		
85	63.6	52.4	78.6	
127	8.4	6.6	10.0	

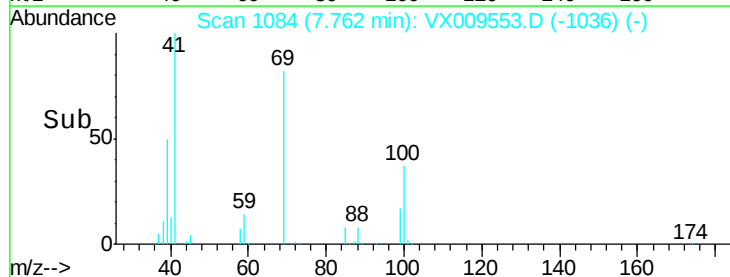
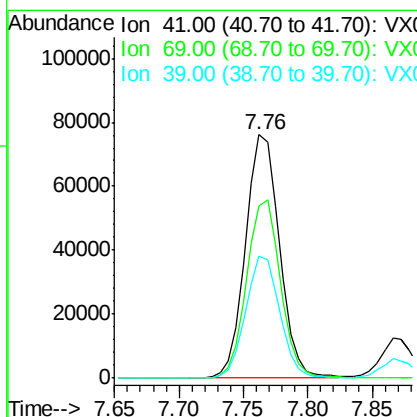
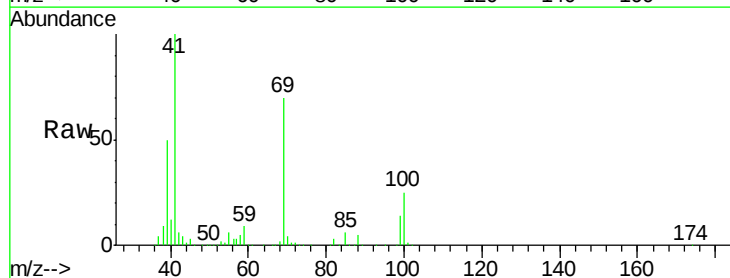
Manual Integrations
APPROVED

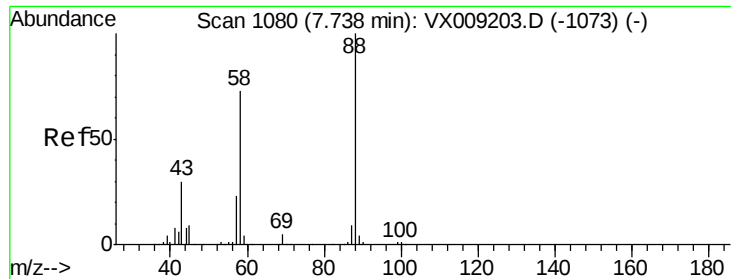
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#48
Methyl methacrylate
Concen: 48.767 ug/l
RT: 7.76 min Scan# 1084
Delta R.T. -0.01 min
Lab File: VX009553.D
Acq: 14 May 2019 10:32

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	138824		
69	73.1	59.1	88.7	
39	50.2	40.4	60.6	





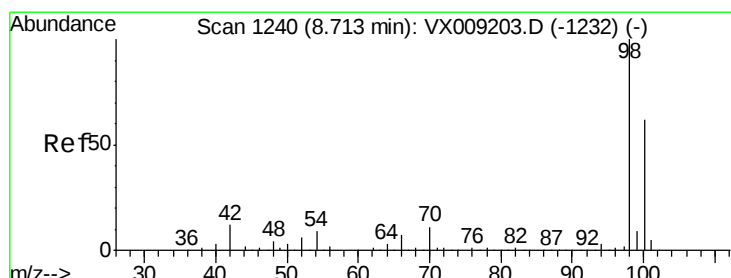
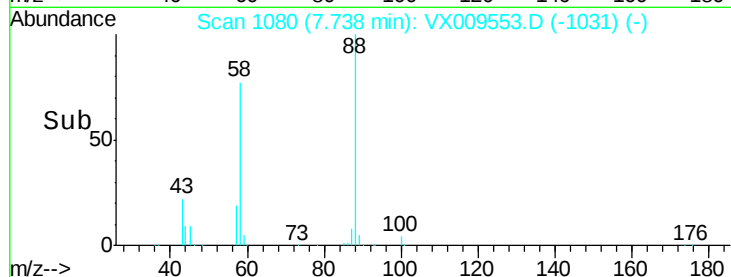
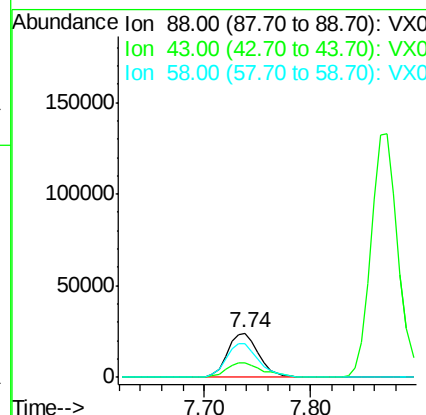
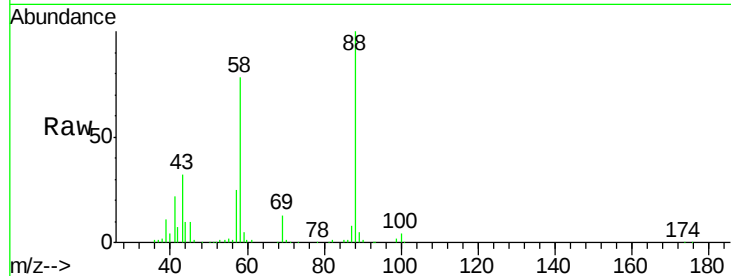
#49
1,4-Dioxane
Concen: 860.321 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX009553.D
Acq: 14 May 2019 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.4	28.6	42.8
58	79.4	61.7	92.5

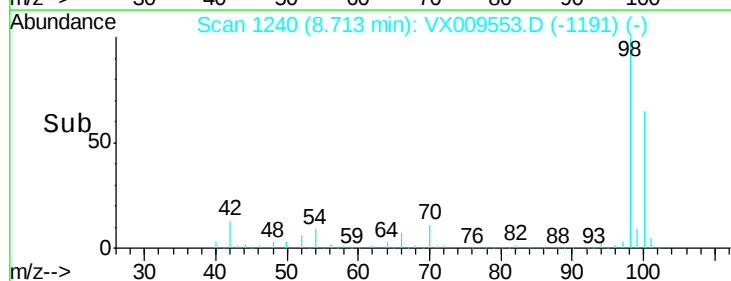
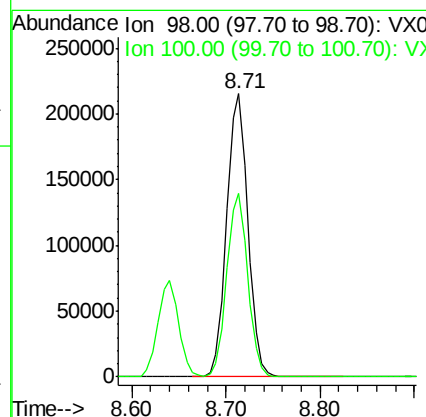
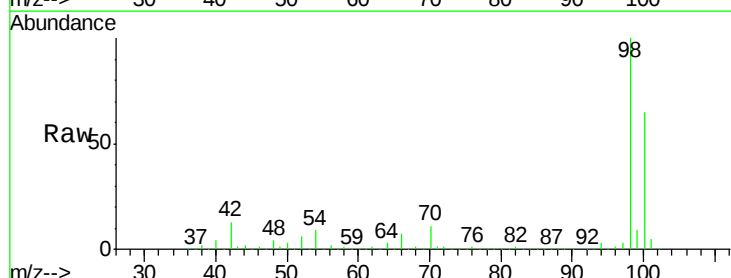
Manual Integrations
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#50
Toluene-d8
Concen: 47.814 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009553.D
Acq: 14 May 2019 10:32

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 240.241 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX009553.D

Acq: 14 May 2019 10:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 901000

Ion Ratio Lower Upper

43 100

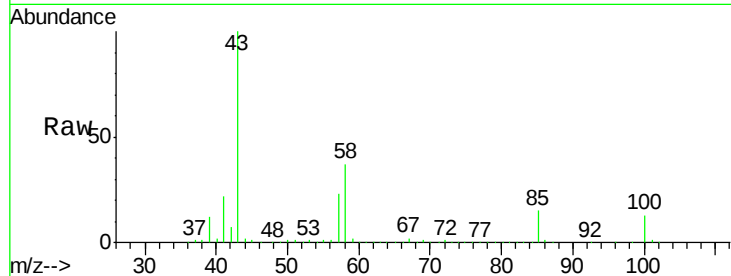
58 36.5 29.5 44.3

Manual Integrations

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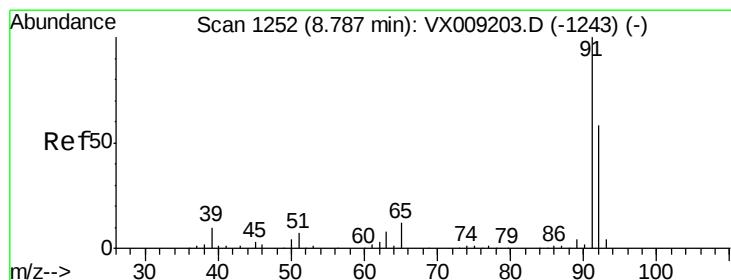
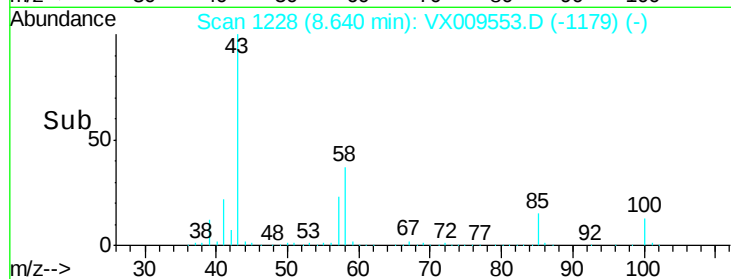
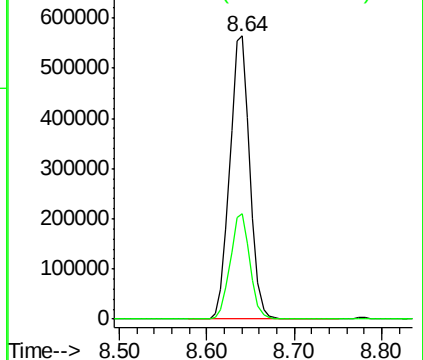
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 49.867 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX009553.D

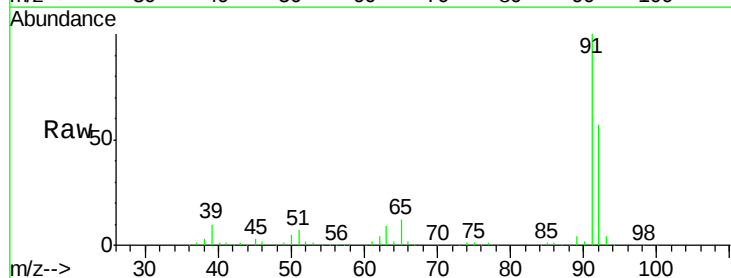
Acq: 14 May 2019 10:32

Tgt Ion: 92 Resp: 241531

Ion Ratio Lower Upper

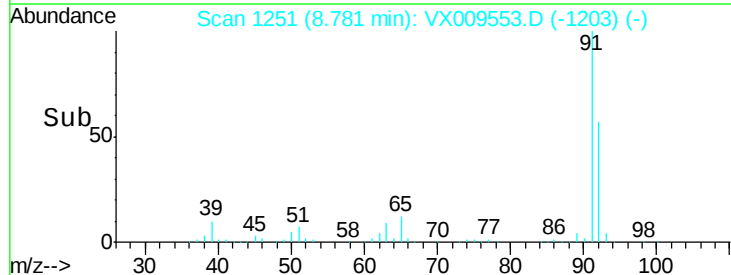
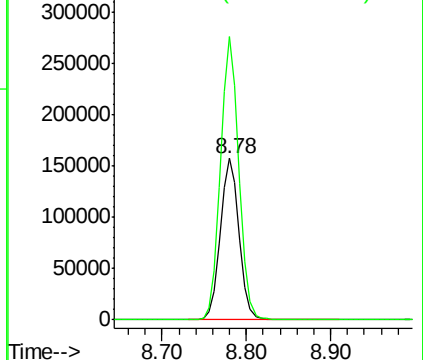
92 100

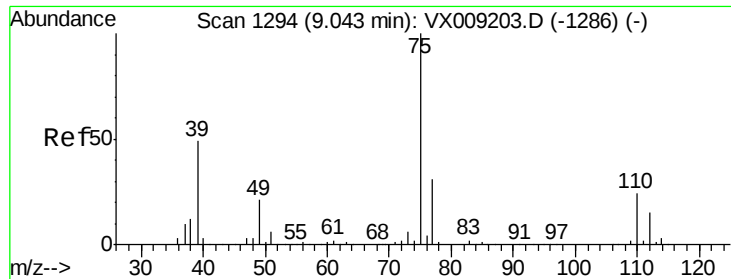
91 172.6 138.8 208.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





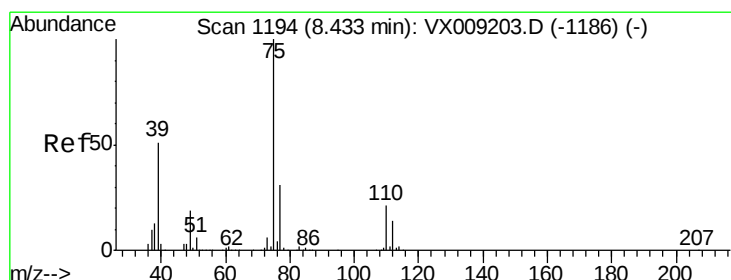
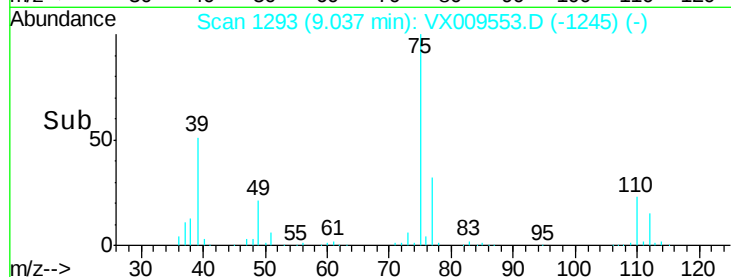
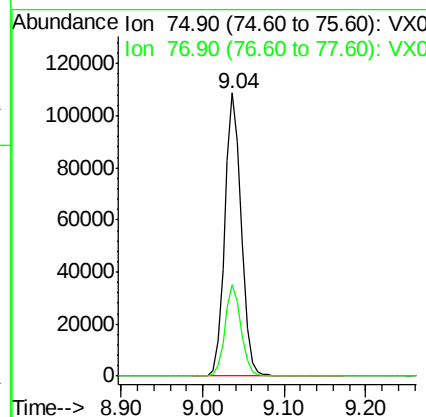
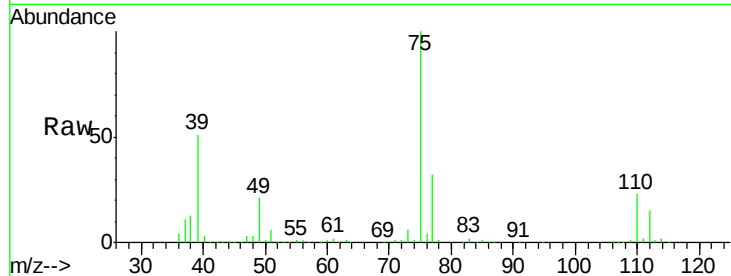
#53
t-1,3-Dichloropropene
Concen: 51.853 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. -0.01 min
Lab File: VX009553.D
Acq: 14 May 2019 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 153001
Ion Ratio Lower Upper
75 100
77 32.5 25.0 37.6

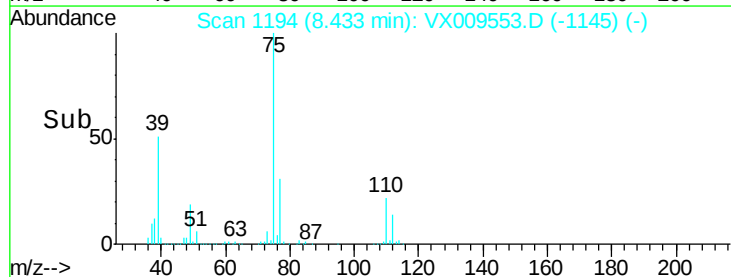
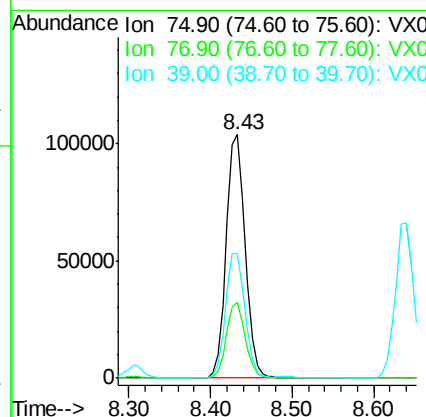
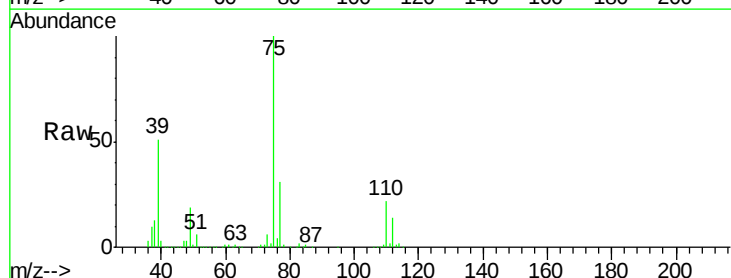
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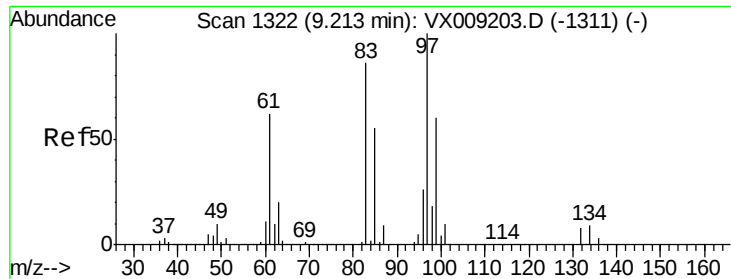
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#54
cis-1,3-Dichloropropene
Concen: 51.385 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX009553.D
Acq: 14 May 2019 10:32

Tgt Ion: 75 Resp: 167820
Ion Ratio Lower Upper
75 100
77 31.4 24.6 36.8
39 51.1 40.6 60.8





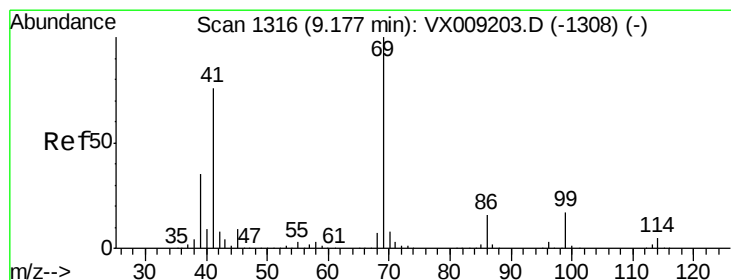
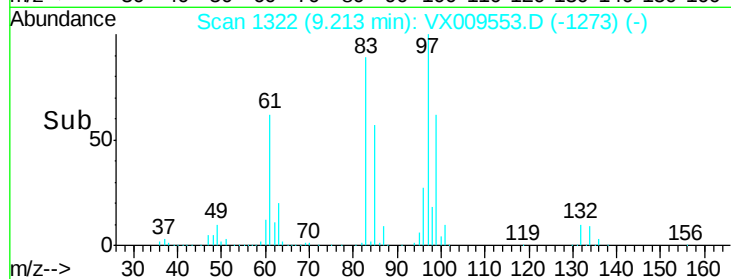
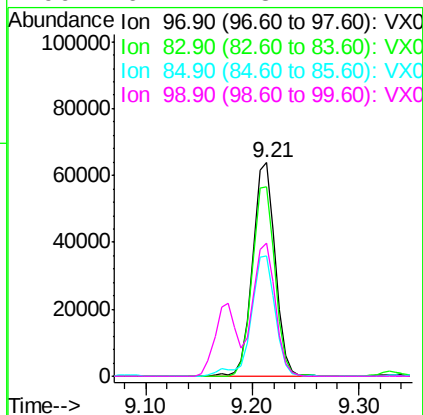
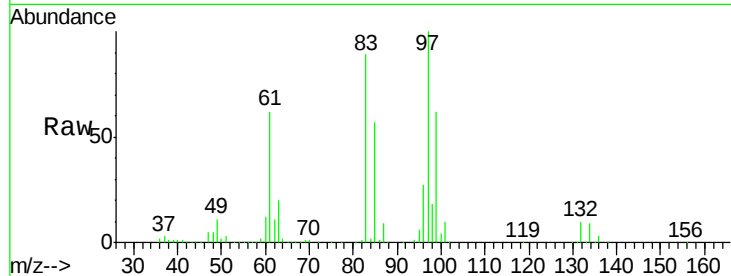
#55
 1,1,2-Trichloroethane
 Concen: 48.219 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX009553.D
 Acq: 14 May 2019 10:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	95282
Ion	Ratio	Lower	Upper
97	100		
83	88.7	68.9	103.3
85	56.5	43.8	65.6
99	62.1	48.2	72.2

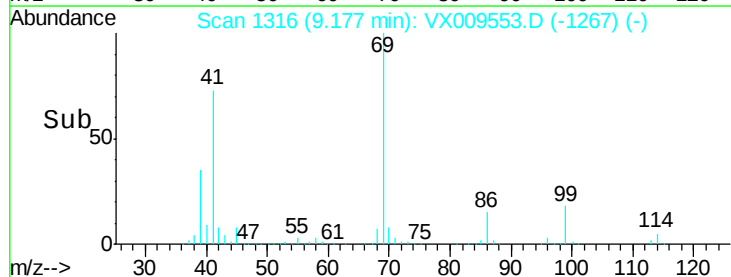
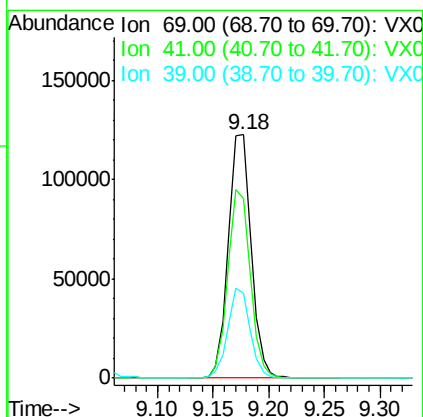
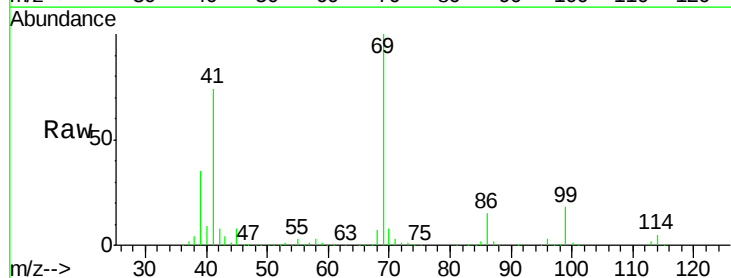
Manual Integrations
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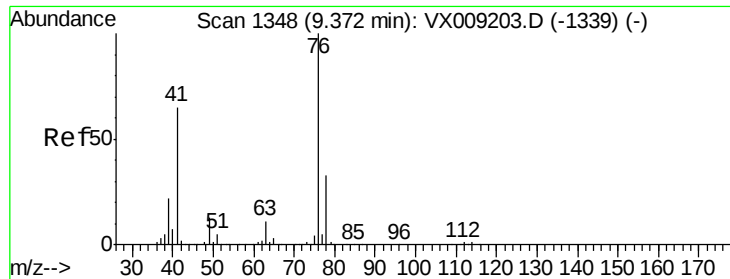
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#56
 Ethyl methacrylate
 Concen: 49.682 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX009553.D
 Acq: 14 May 2019 10:32

Tgt Ion:	69	Resp:	175244
Ion	Ratio	Lower	Upper
69	100		
41	75.9	60.6	90.8
39	35.9	28.2	42.4





#57

1,3-Dichloropropane

Concen: 48.324 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. -0.01 min

Lab File: VX009553.D

Acq: 14 May 2019 10:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 168037

Ion Ratio Lower Upper

76 100

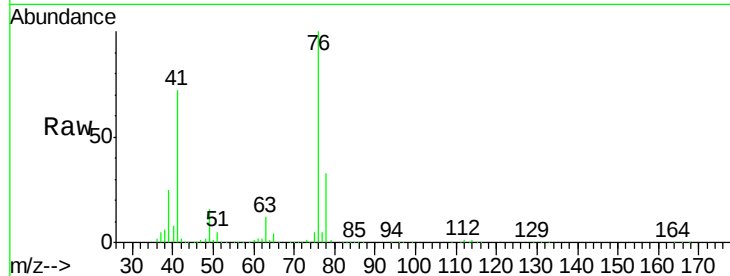
78 31.9 25.5 38.3

Manual Integrations

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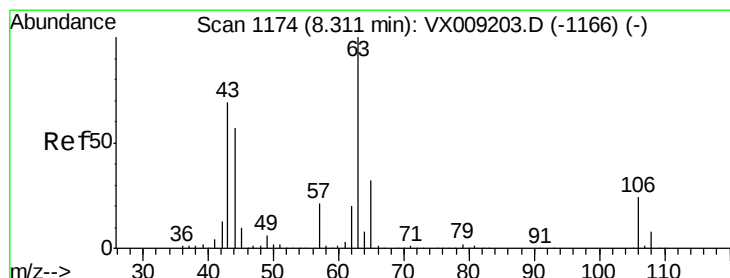
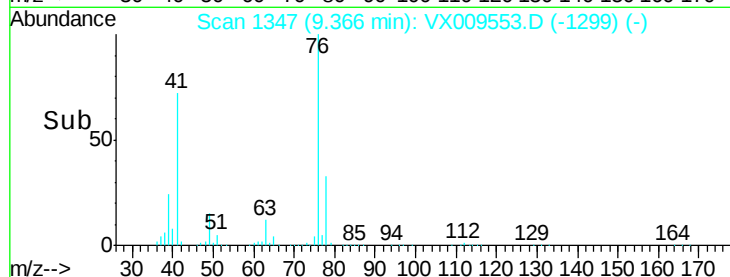
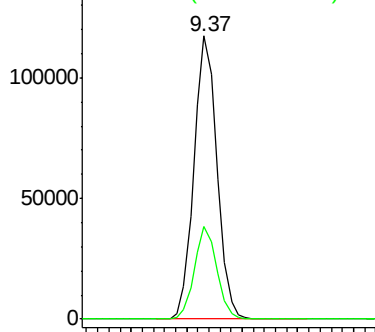
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 206.479 ug/l

RT: 8.31 min Scan# 1173

Delta R.T. -0.01 min

Lab File: VX009553.D

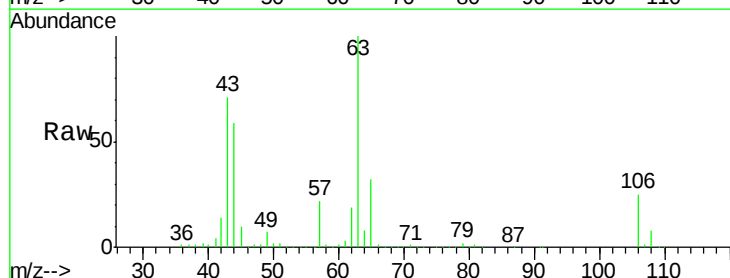
Acq: 14 May 2019 10:32

Tgt Ion: 63 Resp: 386367

Ion Ratio Lower Upper

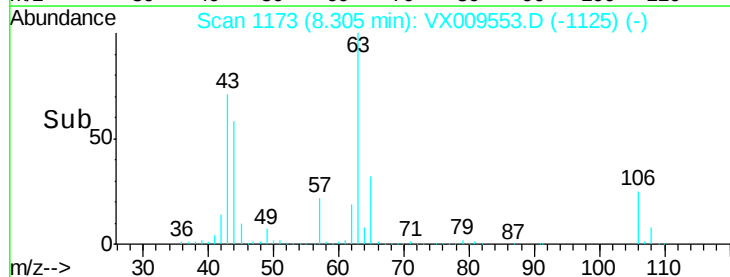
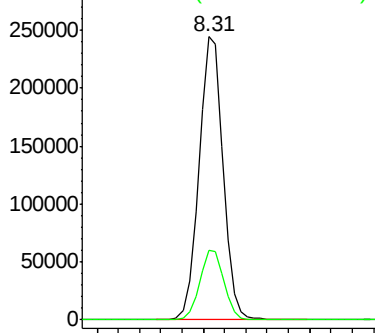
63 100

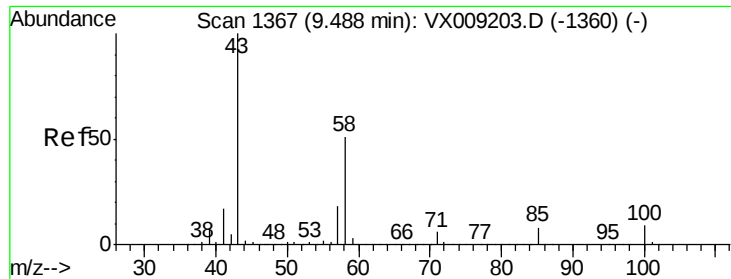
106 24.9 19.7 29.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





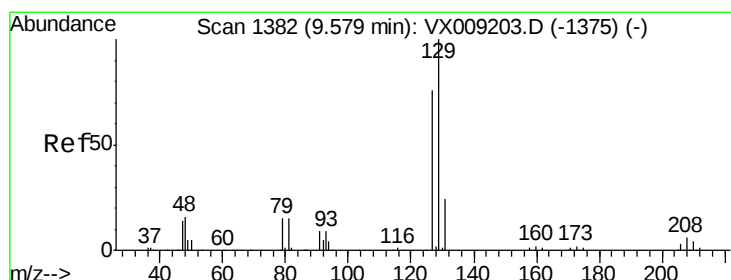
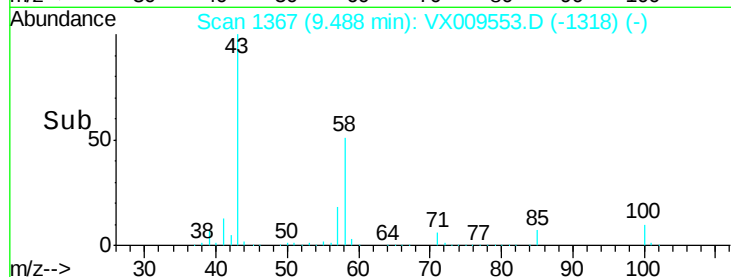
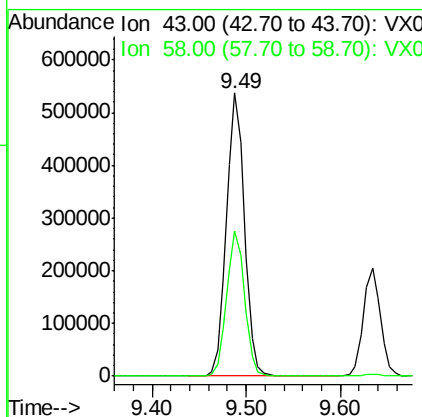
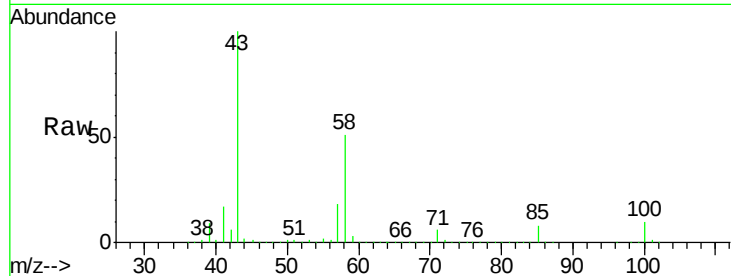
#59
2-Hexanone
Concen: 242.057 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX009553.D
Acq: 14 May 2019 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 712984
Ion Ratio Lower Upper
43 100
58 51.2 25.9 77.7

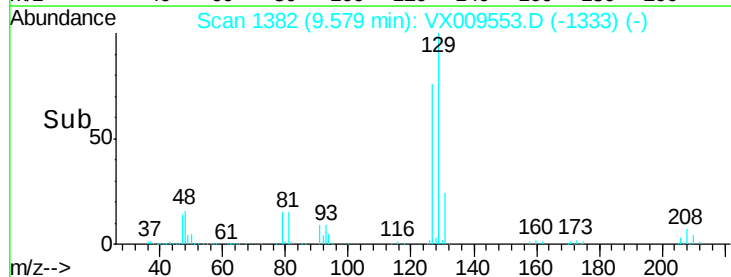
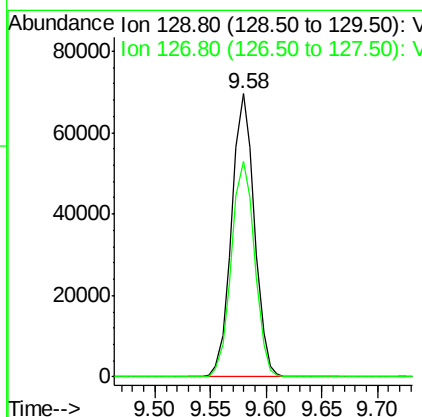
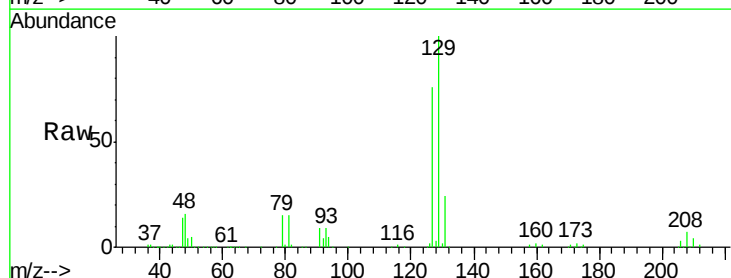
Manual Integrations
APPROVED

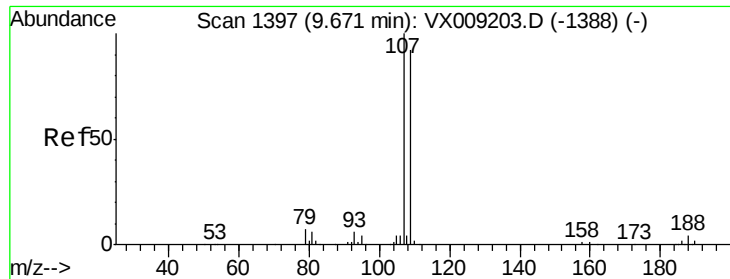
MMDadoda
5/15/2019 12:25:10 PM



#60
Dibromochloromethane
Concen: 51.027 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX009553.D
Acq: 14 May 2019 10:32

Tgt Ion: 129 Resp: 98479
Ion Ratio Lower Upper
129 100
127 77.8 38.4 115.1





#61

1,2-Dibromoethane

Concen: 49.126 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX009553.D

Acq: 14 May 2019 10:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 97990

Ion Ratio Lower Upper

107 100

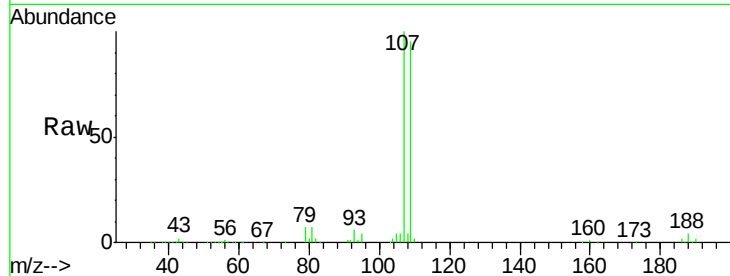
109 93.8 75.2 112.8

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

80000

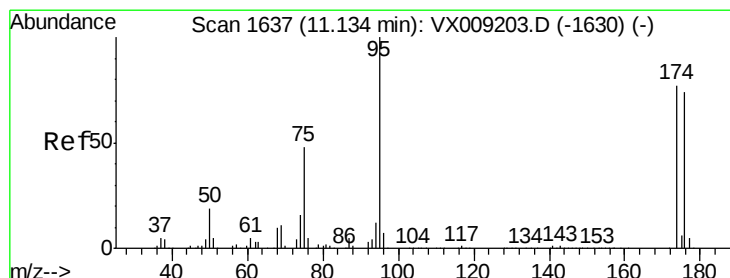
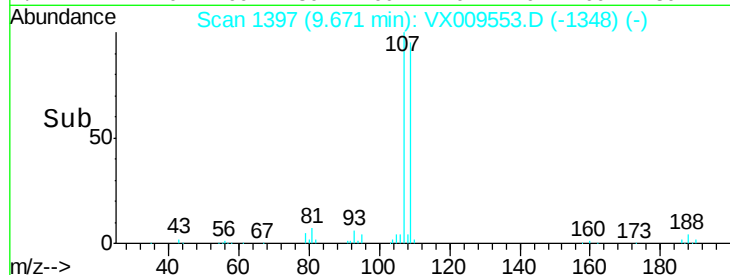
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 49.716 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009553.D

Acq: 14 May 2019 10:32

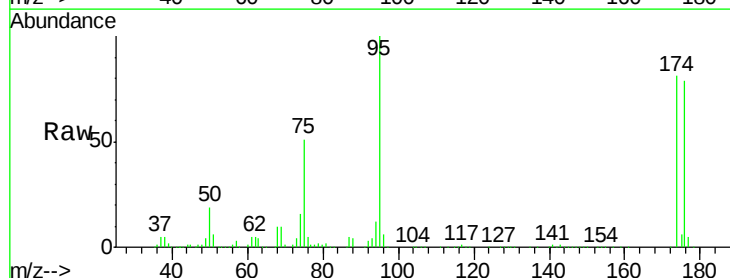
Tgt Ion: 95 Resp: 127020

Ion Ratio Lower Upper

95 100

174 81.2 0.0 161.6

176 79.2 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

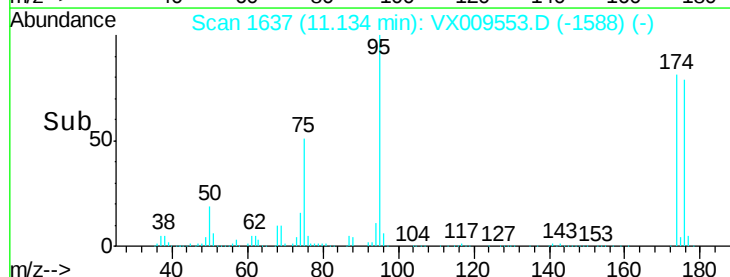
11.13

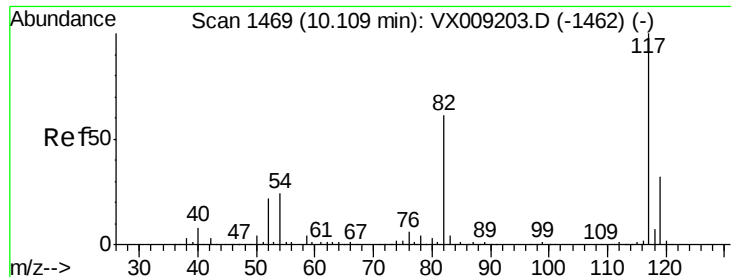
100000

50000

0

Time-->





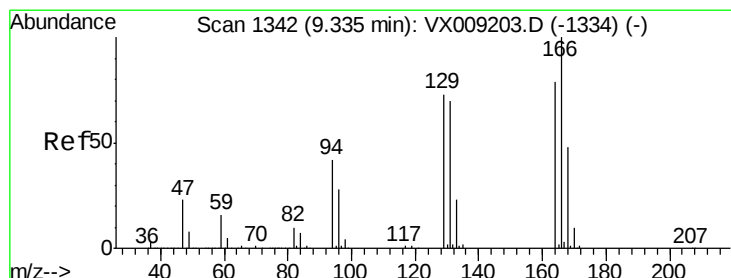
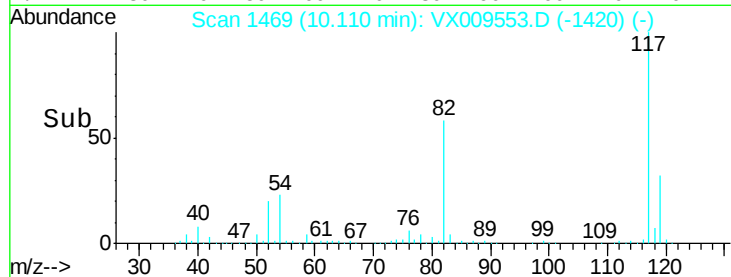
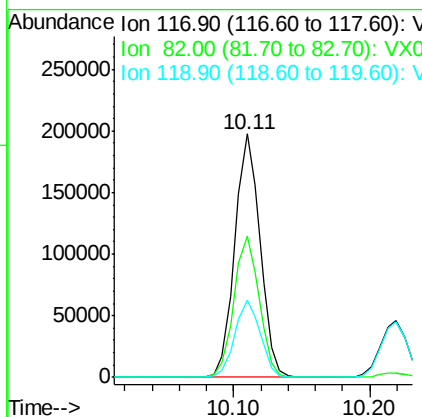
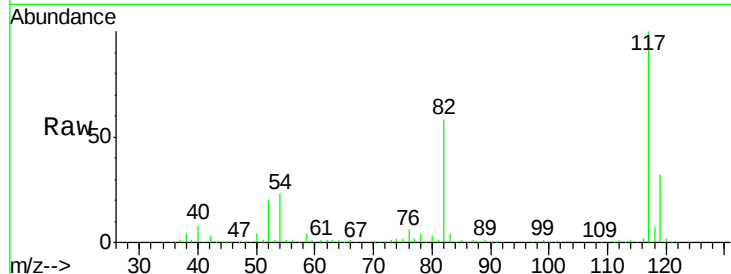
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009553.D
Acq: 14 May 2019 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.8	48.8	73.2
119	32.0	25.8	38.6

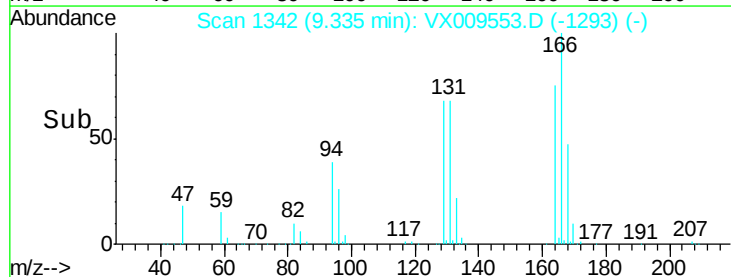
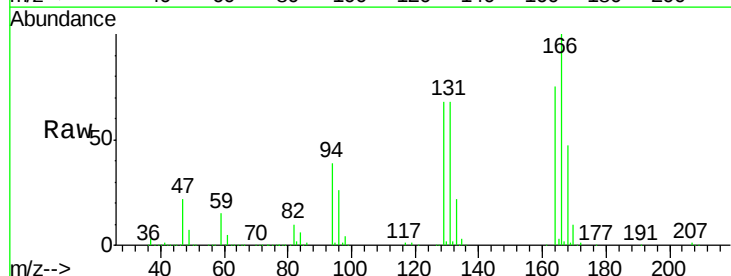
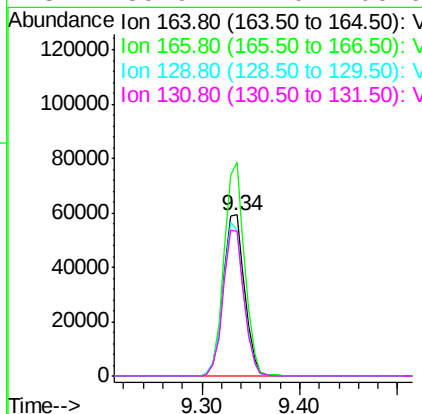
Manual Integrations
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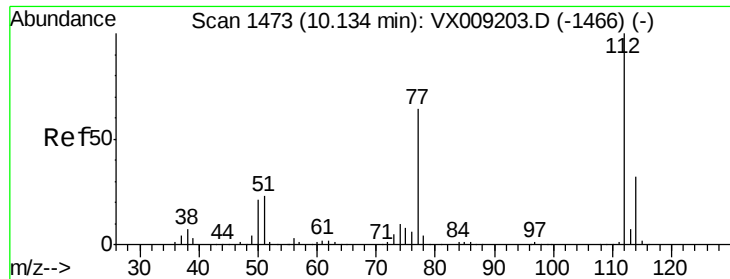
MMDadoda
5/15/2019 12:25:10 PM



#64
Tetrachloroethene
Concen: 51.280 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX009553.D
Acq: 14 May 2019 10:32

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.8	101.2	151.8
129	90.7	74.3	111.5
131	89.9	71.0	106.6





#65

Chlorobenzene

Concen: 49.163 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. 0.00 min

Lab File: VX009553.D

Acq: 14 May 2019 10:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 250571

Ion Ratio Lower Upper

112 100

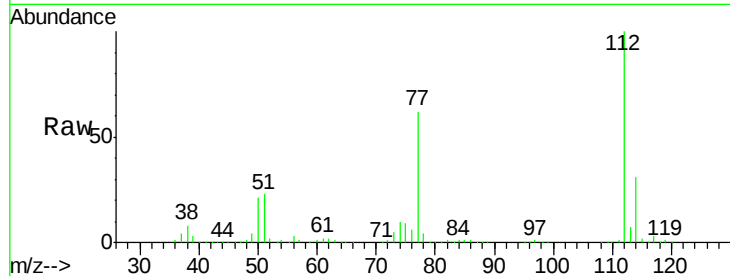
114 31.2 25.5 38.3

Manual Integrations

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.13

200000

150000

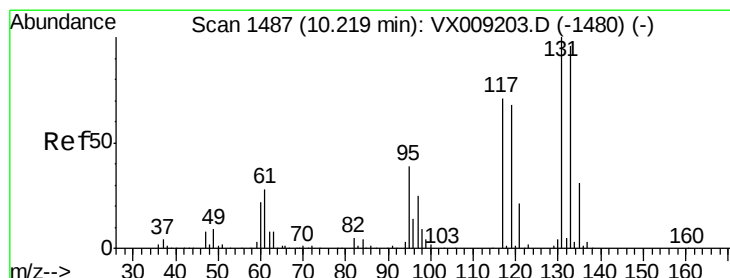
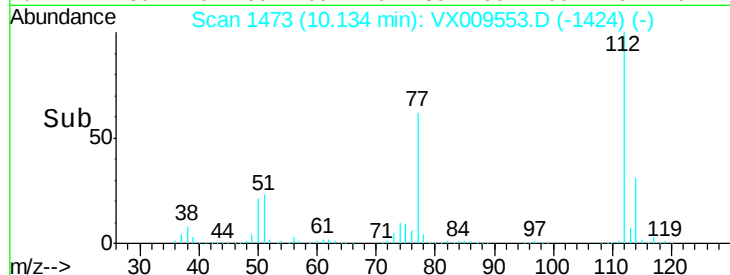
100000

50000

0

Time-->

10.10 10.20 10.30



#66

1,1,1,2-Tetrachloroethane

Concen: 49.299 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX009553.D

Acq: 14 May 2019 10:32

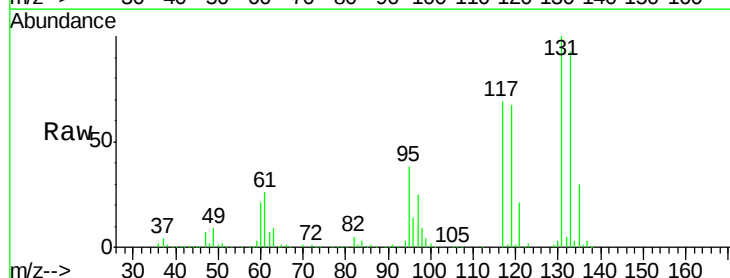
Tgt Ion:131 Resp: 91094

Ion Ratio Lower Upper

131 100

133 94.0 47.7 143.1

119 67.5 33.5 100.4



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

10.22

80000

60000

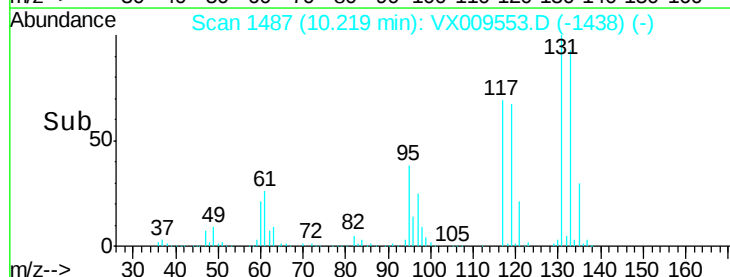
40000

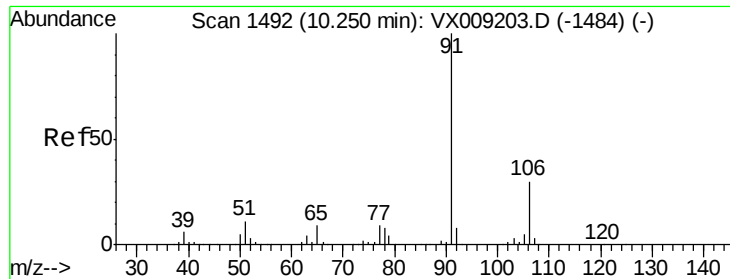
20000

0

Time-->

10.20 10.30





#67

Ethyl Benzene

Concen: 50.002 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX009553.D

Acq: 14 May 2019 10:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 469015

Ion Ratio Lower Upper

91 100

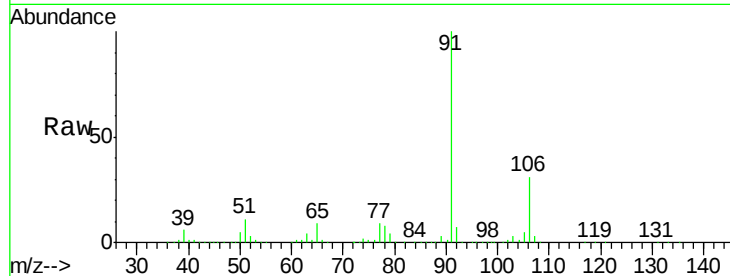
106 30.6 24.0 36.0

Manual Integrations

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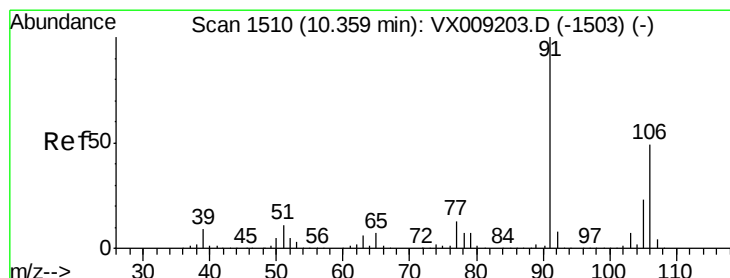
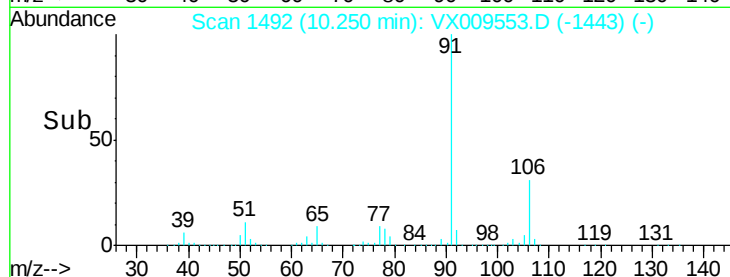
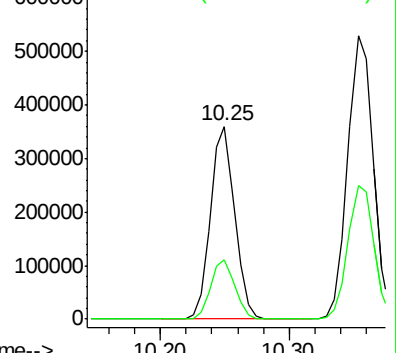
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 100.811 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VX009553.D

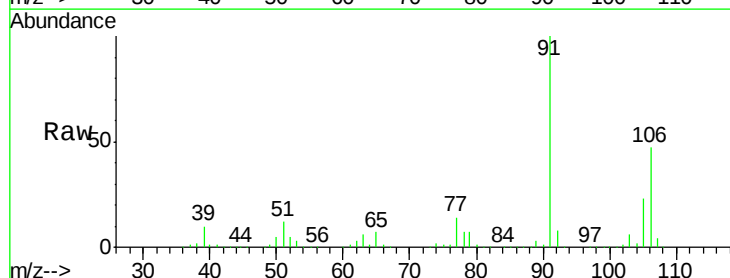
Acq: 14 May 2019 10:32

Tgt Ion: 106 Resp: 345549

Ion Ratio Lower Upper

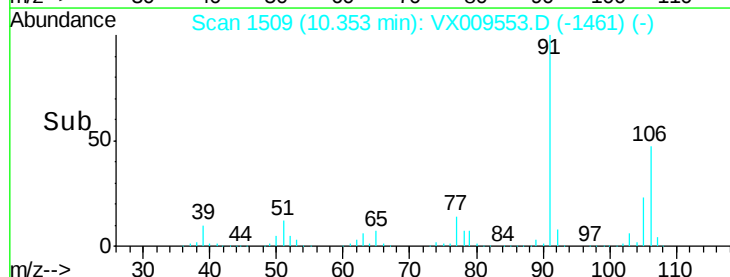
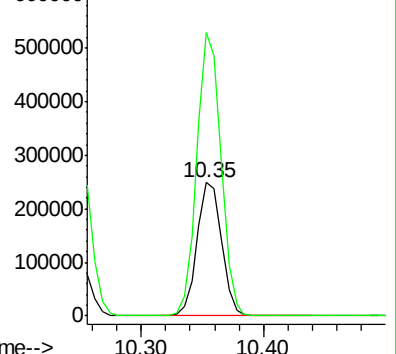
106 100

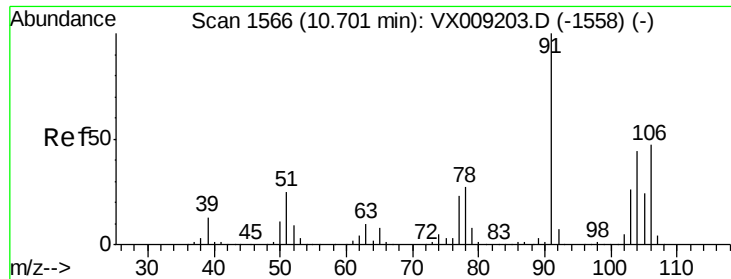
91 208.5 164.0 246.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





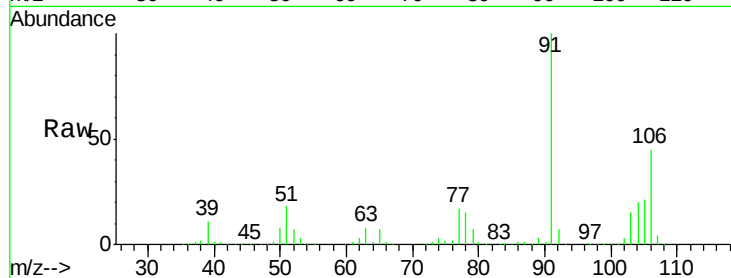
#69
o-Xylene
Concen: 49.462 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX009553.D
Acq: 14 May 2019 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

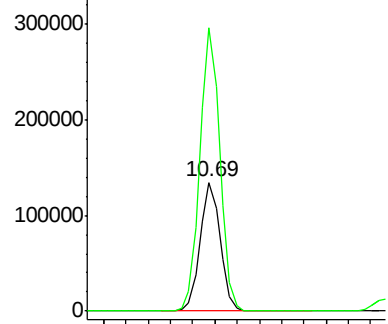
Tot Ion:106 Resp: 167279
Ion Ratio Lower Upper
106 100
91 219.1 109.5 328.4

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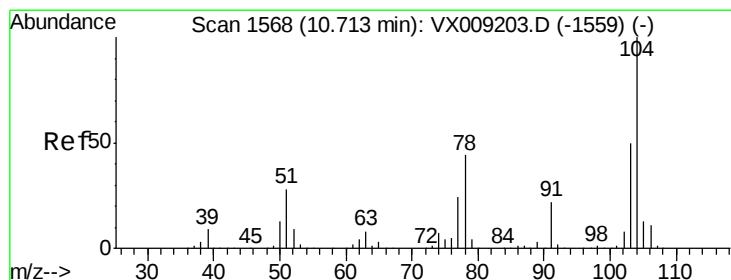
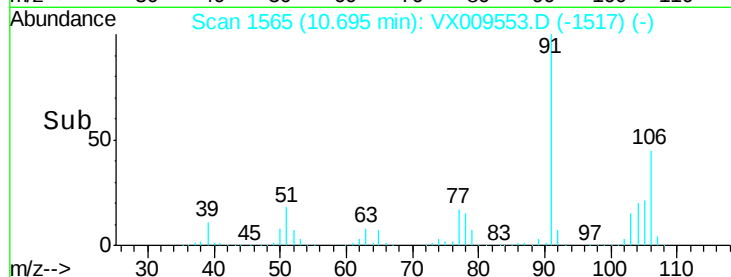
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Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

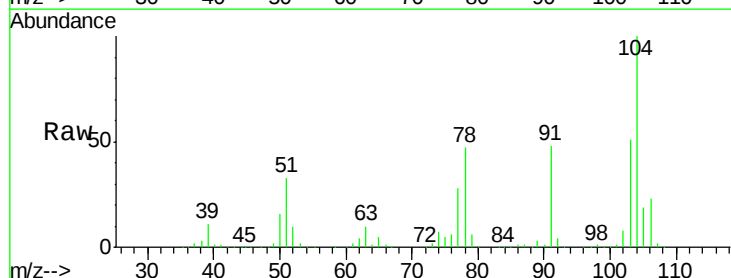


Time--> 10.60 10.70 10.80

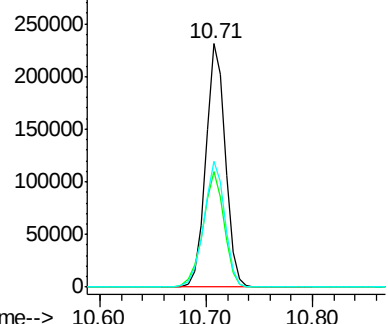


#70
Styrene
Concen: 50.582 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX009553.D
Acq: 14 May 2019 10:32

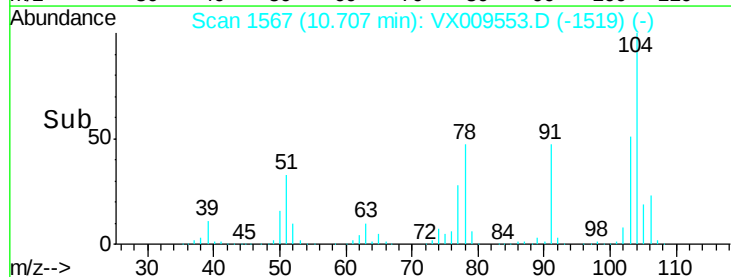
Tgt Ion:104 Resp: 297325
Ion Ratio Lower Upper
104 100
78 51.2 41.0 61.4
103 55.3 43.8 65.6

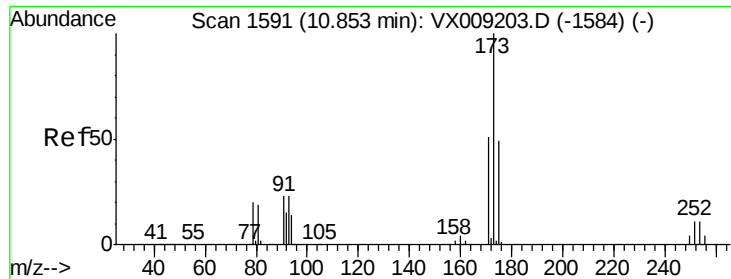


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V



Time--> 10.60 10.70 10.80





#71

Bromoform

Concen: 50.815 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX009553.D

Acq: 14 May 2019 10:32

Instrument :

MSVOA_X

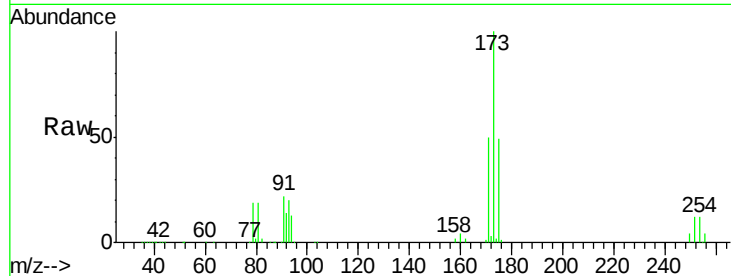
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.5	73.5
254	0.1	0.1	0.1

Manual Integrations
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5/15/2019 12:25:10 PM

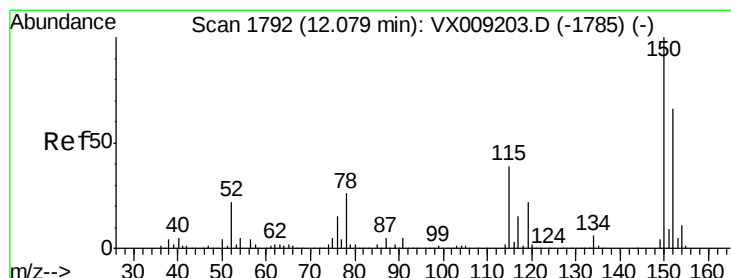
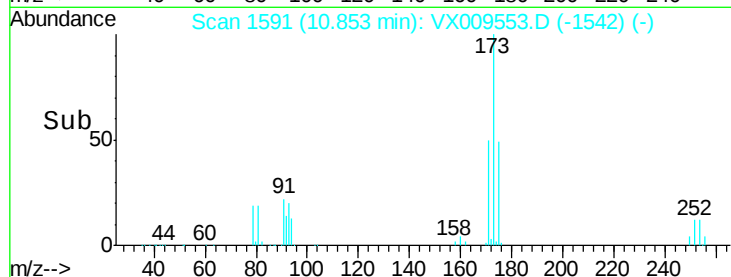
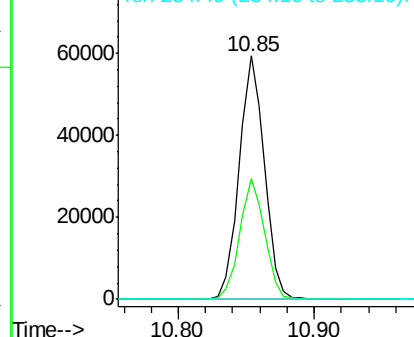


Abundance

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

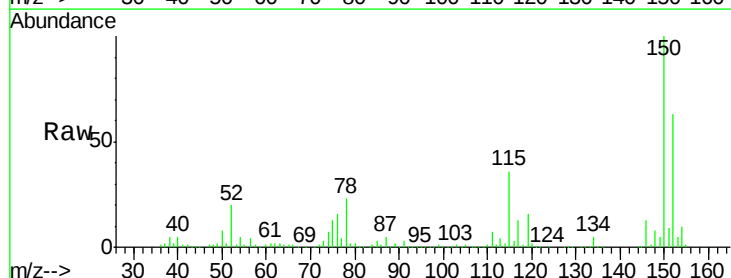
RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX009553.D

Acq: 14 May 2019 10:32

Tgt Ion	Ratio	Lower	Upper
152	100		
115	82.3	41.2	123.6
150	173.1	0.0	346.4

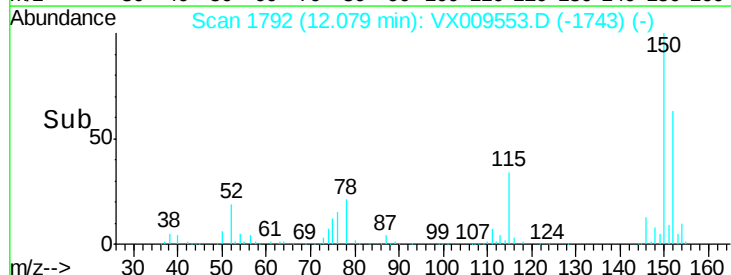
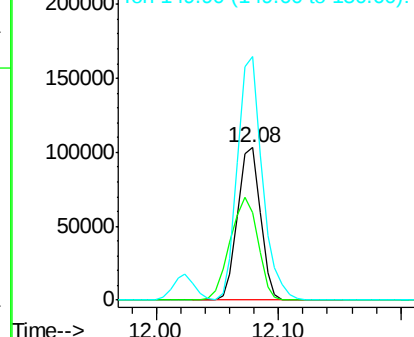


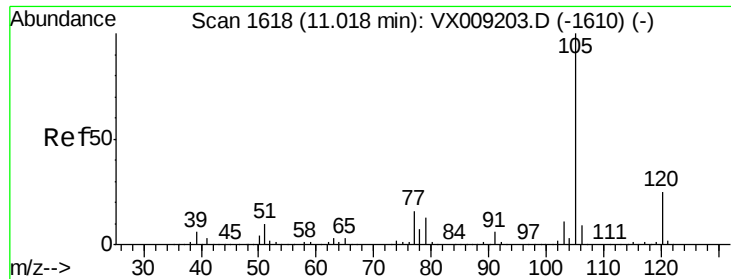
Abundance

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: 47.071 ug/l

RT: 11.01 min Scan# 1617

Delta R.T. -0.01 min

Lab File: VX009553.D

Acq: 14 May 2019 10:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 454243

Ion Ratio Lower Upper

105 100

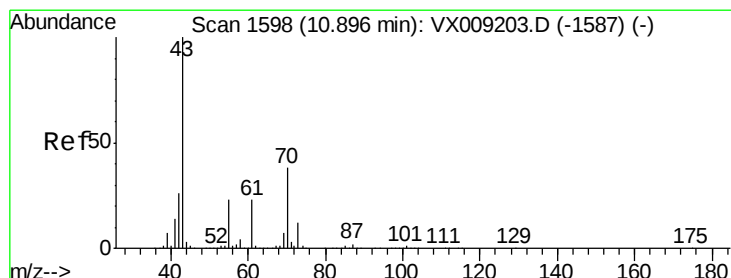
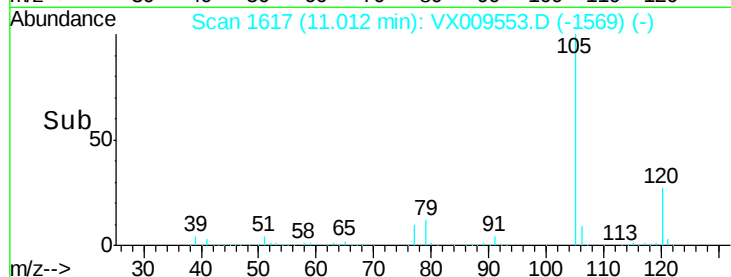
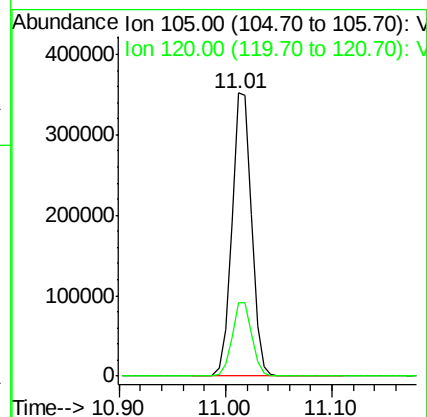
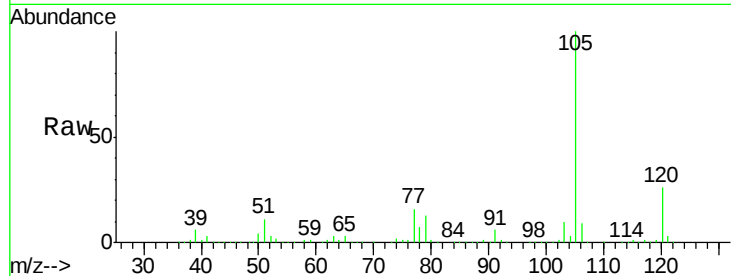
120 26.1 12.8 38.3

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#74

N-ethyl acetate

Concen: 46.237 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX009553.D

Acq: 14 May 2019 10:32

Tgt Ion: 43 Resp: 260138

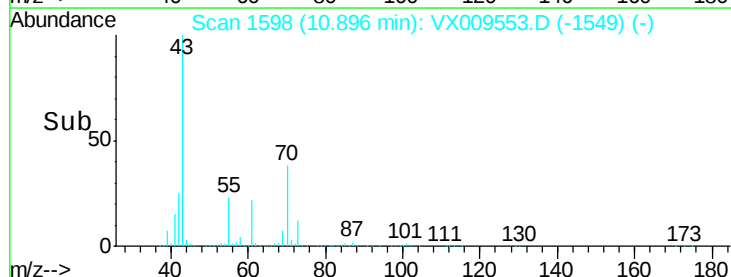
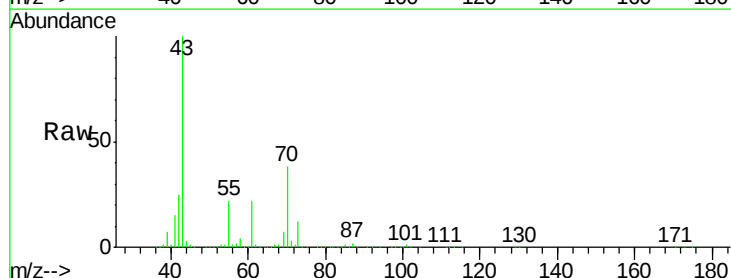
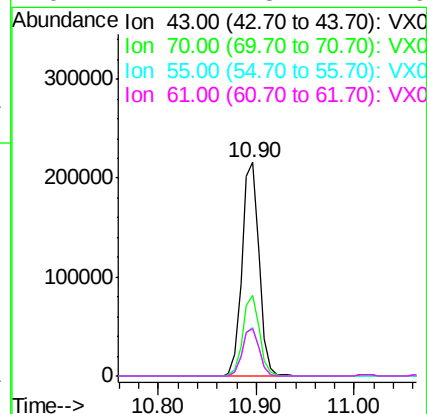
Ion Ratio Lower Upper

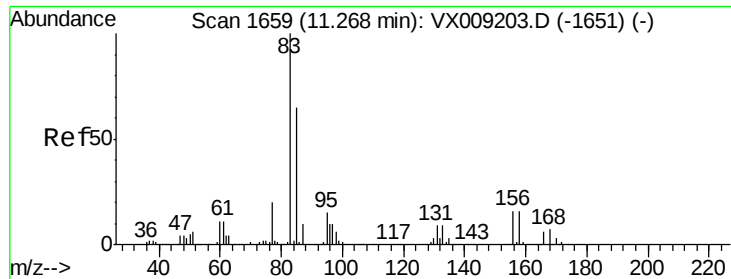
43 100

70 36.8 30.0 45.0

55 22.5 17.9 26.9

61 22.1 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 43.765 ug/l

RT: 11.26 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VX009553.D

Acq: 14 May 2019 10:32

Instrument :

MSVOA_X

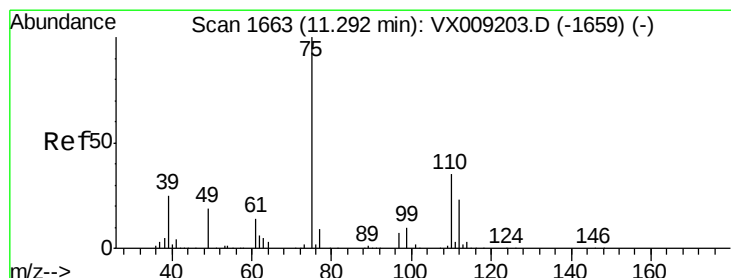
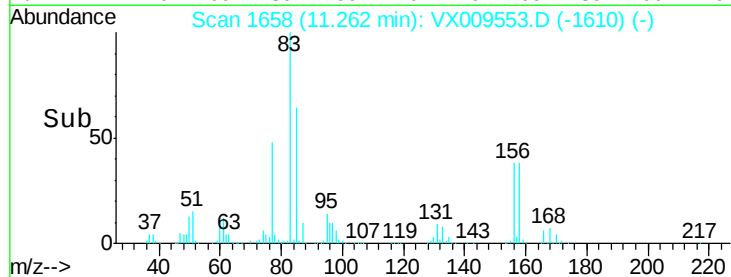
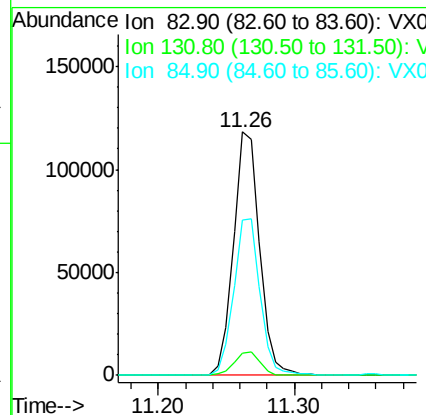
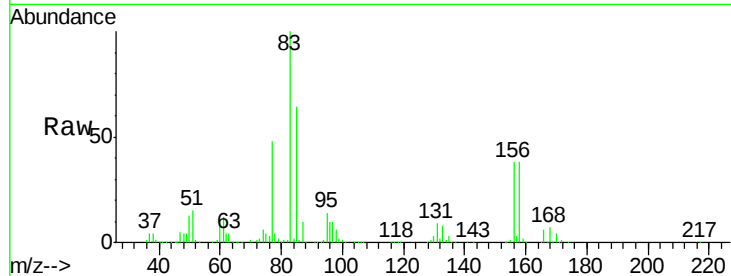
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	157440
Ion Ratio	Lower	Upper	
83	100		
131	9.4	4.6	13.8
85	65.1	32.0	96.2

Manual Integrations
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5/15/2019 12:25:10 PM



#76

1,2,3-Trichloropropane

Concen: 46.514 ug/l m

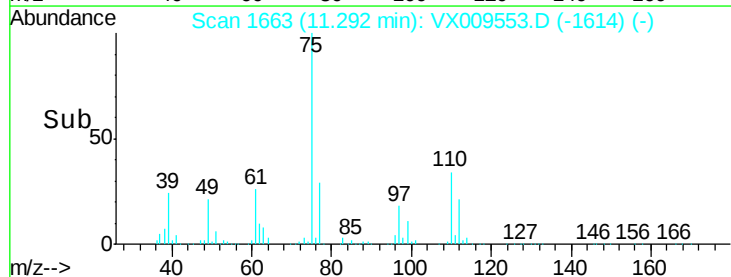
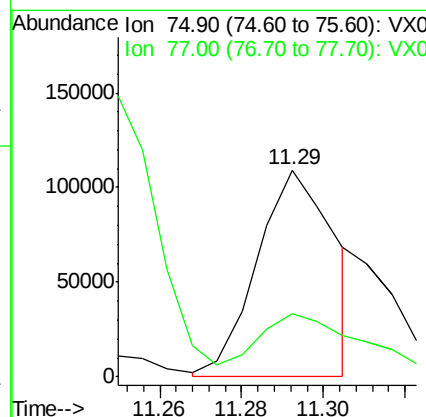
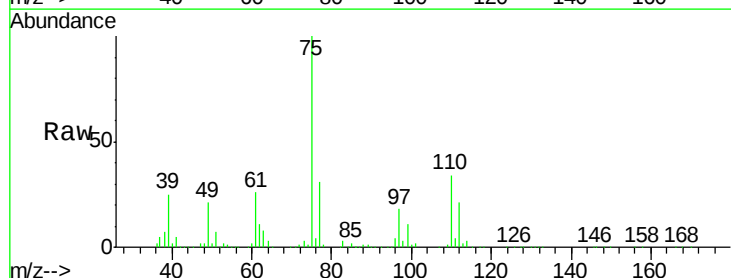
RT: 11.29 min Scan# 1663

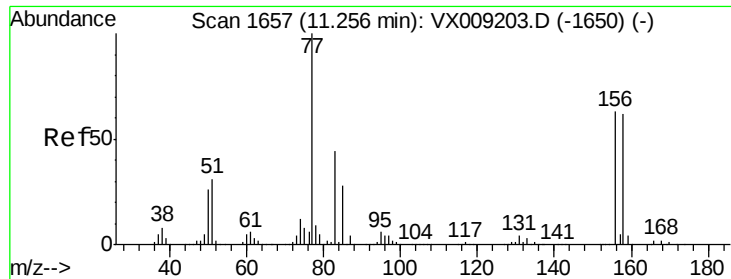
Delta R.T. 0.00 min

Lab File: VX009553.D

Acq: 14 May 2019 10:32

Tgt Ion:	75	Resp:	143184
Ion Ratio	Lower	Upper	
75	100		
77	41.7	22.1	66.1





#77

Bromobenzene

Concen: 47.014 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. -0.01 min

Lab File: VX009553.D

Acq: 14 May 2019 10:32

Instrument :

MSVOA_X

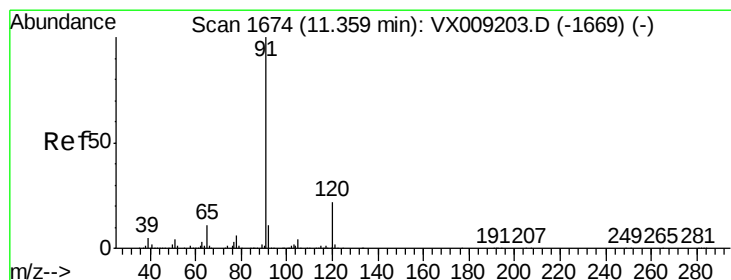
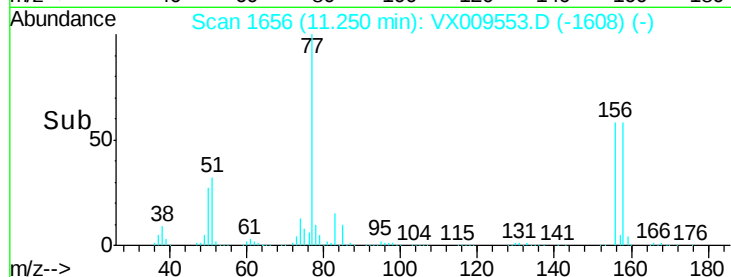
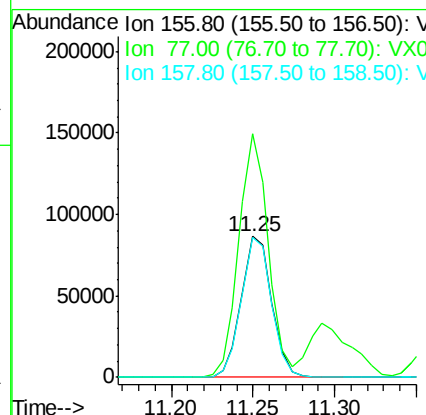
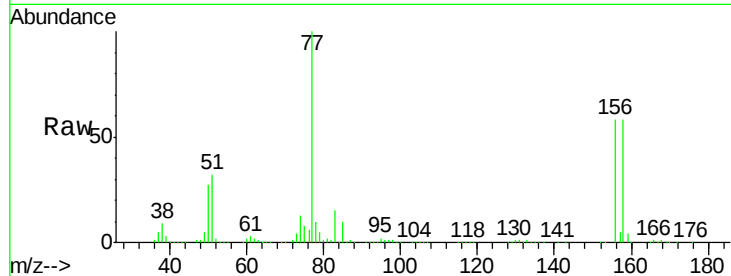
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	112609
Ion Ratio	Lower	Upper	
156	100		
77	166.4	84.8	254.3
158	98.6	49.1	147.3

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#78

n-propylbenzene

Concen: 48.985 ug/l

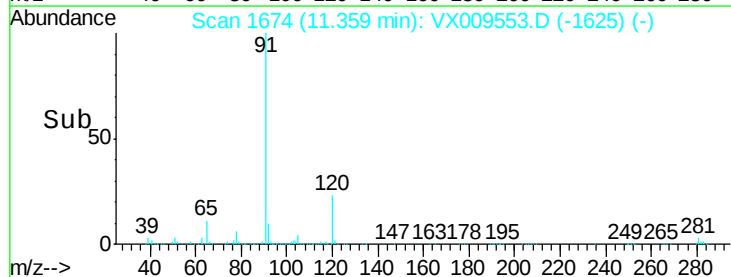
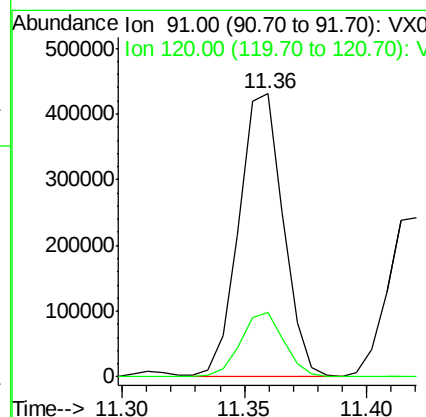
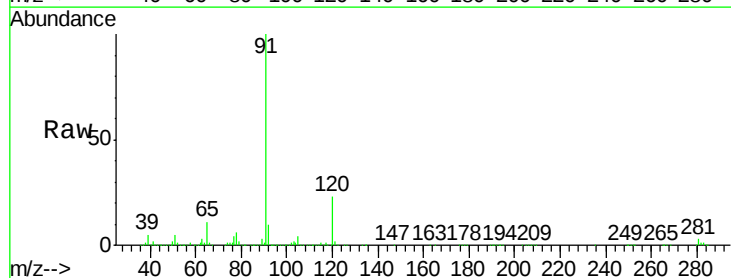
RT: 11.36 min Scan# 1674

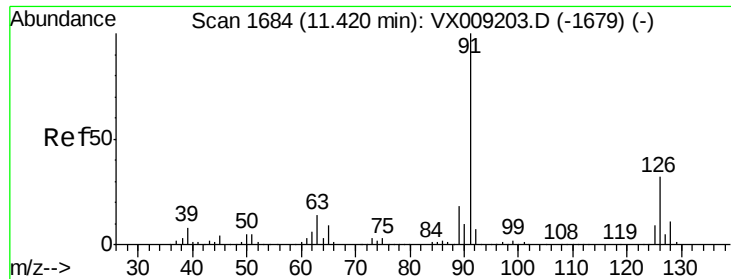
Delta R.T. 0.00 min

Lab File: VX009553.D

Acq: 14 May 2019 10:32

Tgt Ion:	91	Resp:	539865
Ion Ratio	Lower	Upper	
91	100		
120	22.5	11.0	33.0





#79

2-Chlorotoluene

Concen: 46.244 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX009553.D

Acq: 14 May 2019 10:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 314428

Ion Ratio Lower Upper

91 100

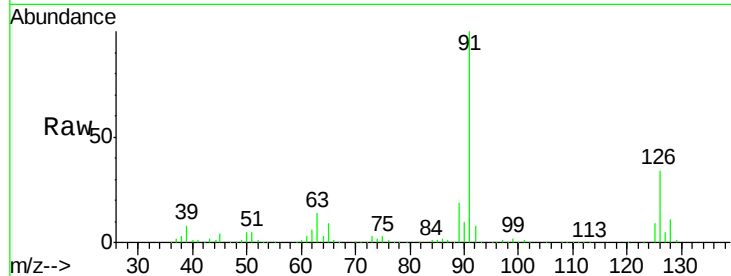
126 32.8 16.3 48.9

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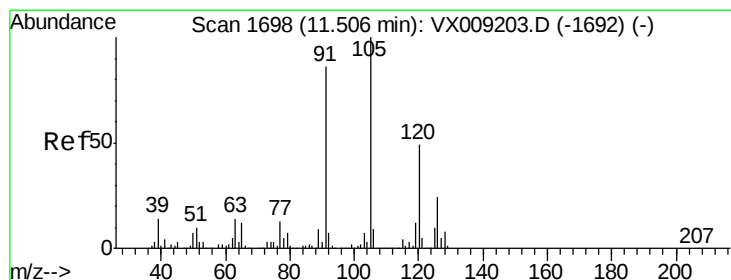
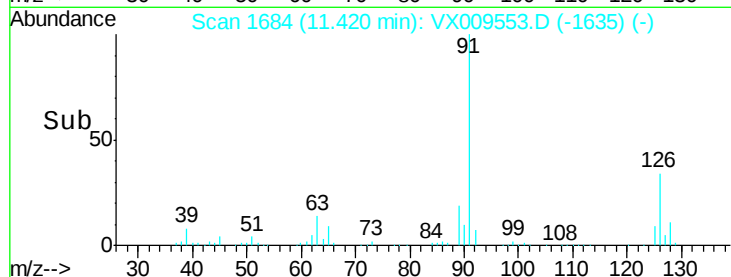
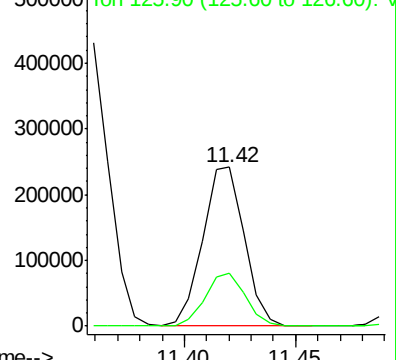
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Abundance Ion 91.00 (90.70 to 91.70): VX009553.D (-1635) (-)



#80

1,3,5-Trimethylbenzene

Concen: 48.033 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX009553.D

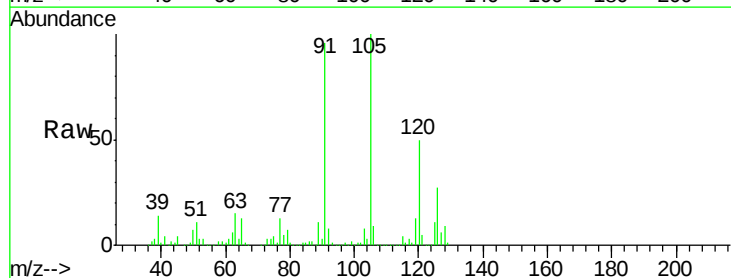
Acq: 14 May 2019 10:32

Tgt Ion: 105 Resp: 390291

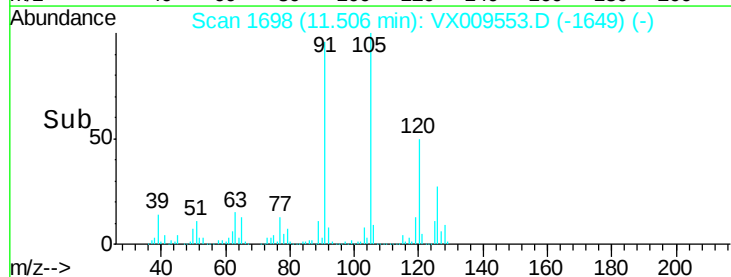
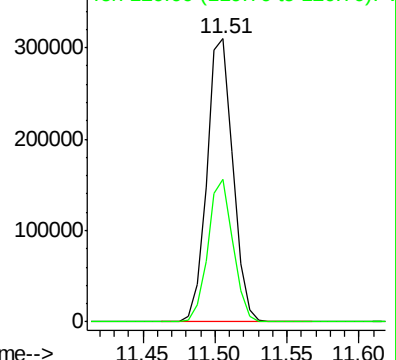
Ion Ratio Lower Upper

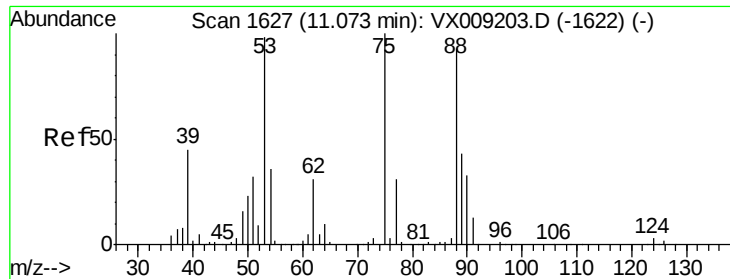
105 100

120 48.7 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): VX009553.D (-1649) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 46.918 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX009553.D

Acq: 14 May 2019 10:32

Instrument :

MSVOA_X

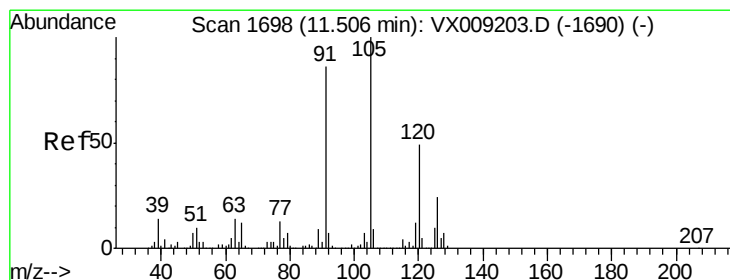
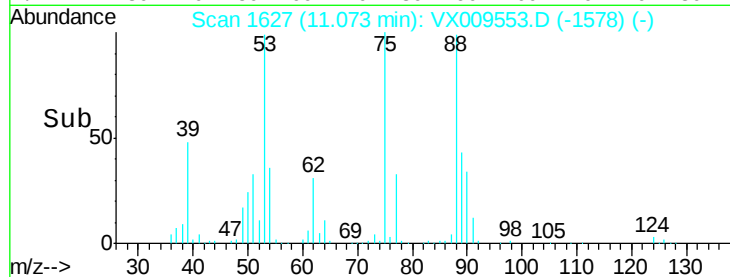
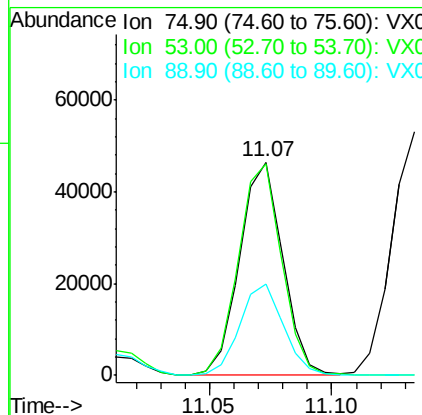
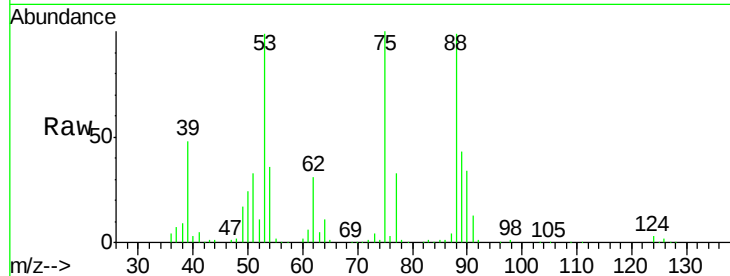
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	56447
Ion	Ratio	Lower	Upper
75	100		
53	100.3	79.0	118.6
89	44.1	34.7	52.1

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#82

4-Chlorotoluene

Concen: 48.271 ug/l

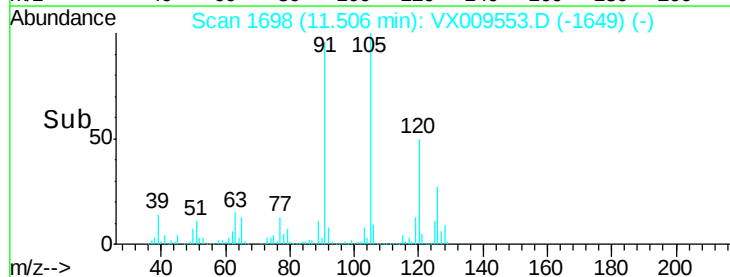
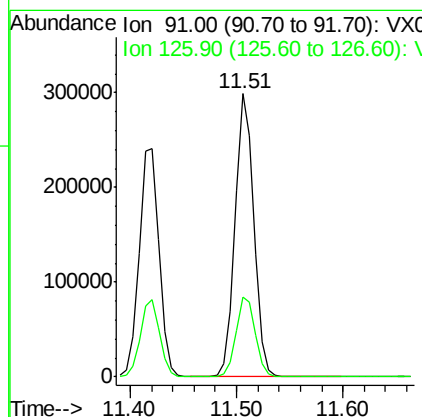
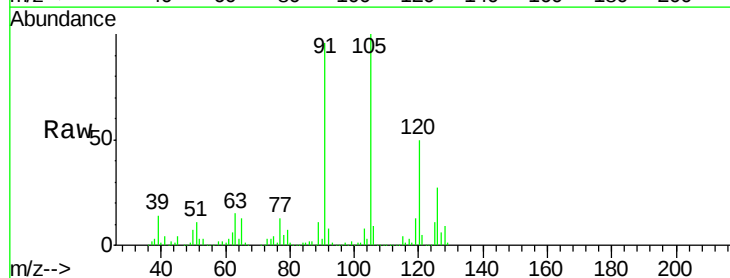
RT: 11.51 min Scan# 1698

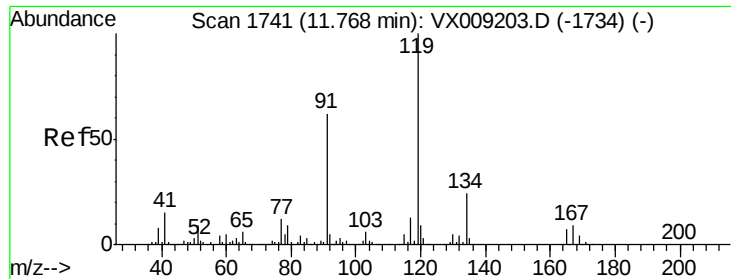
Delta R.T. 0.00 min

Lab File: VX009553.D

Acq: 14 May 2019 10:32

Tgt Ion:	91	Resp:	370786
Ion	Ratio	Lower	Upper
91	100		
126	29.0	14.5	43.6





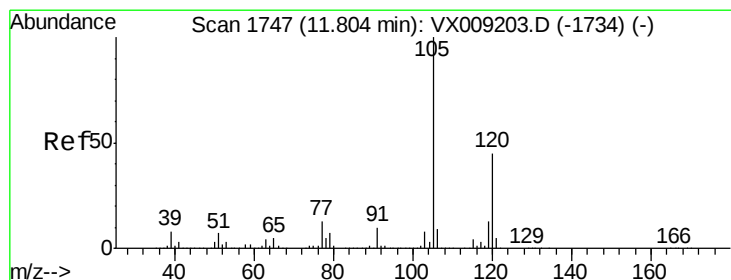
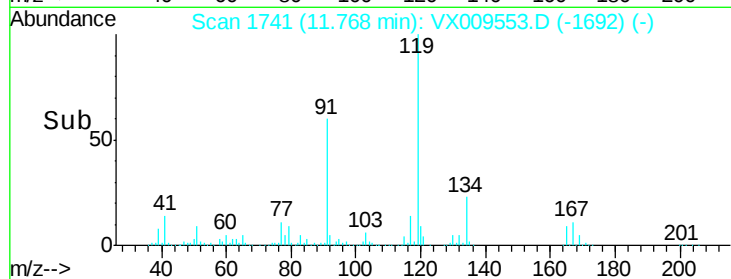
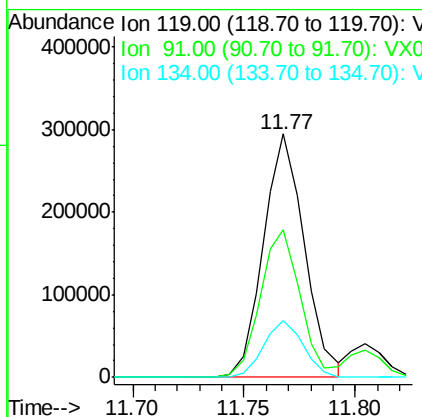
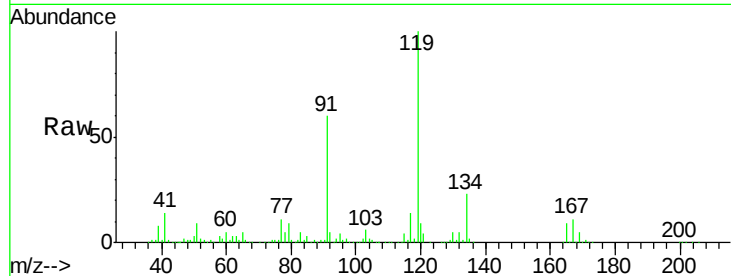
#83
tert-Butylbenzene
Concen: 47.624 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX009553.D
Acq: 14 May 2019 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	376442		
91	59.5	29.5	88.5	
134	22.5	11.4	34.1	

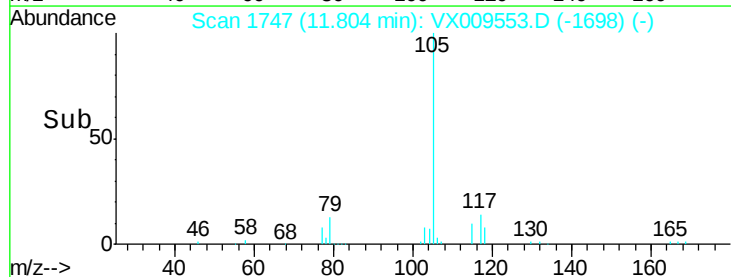
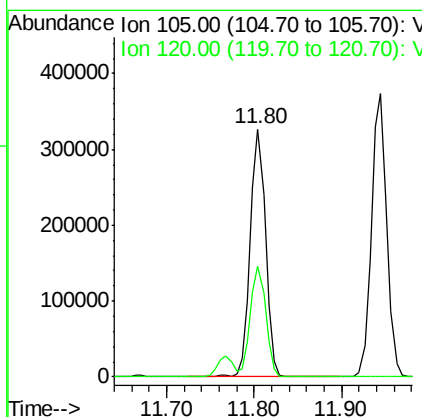
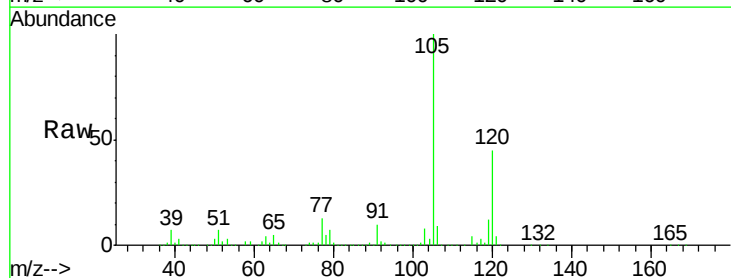
Manual Integrations
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#84
1,2,4-Trimethylbenzene
Concen: 48.125 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX009553.D
Acq: 14 May 2019 10:32

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	392503		
120	45.2	22.0	66.0	





#85

sec-Butylbenzene

Concen: 48.926 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX009553.D

Acq: 14 May 2019 10:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 458497

Ion Ratio Lower Upper

105 100

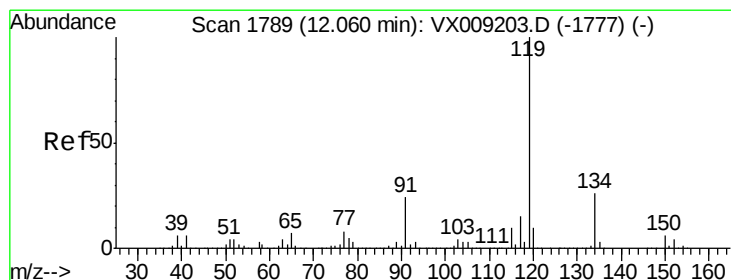
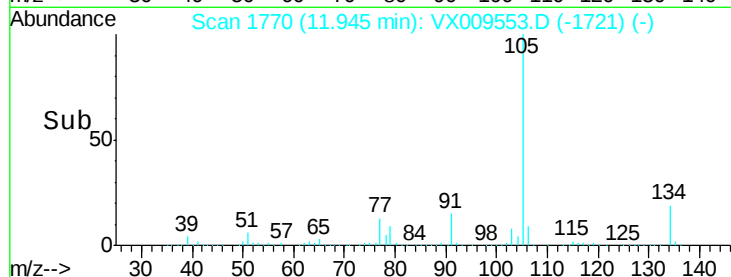
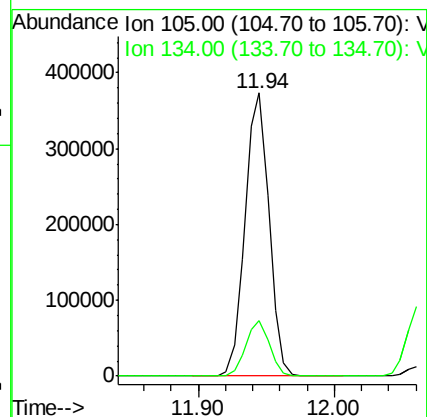
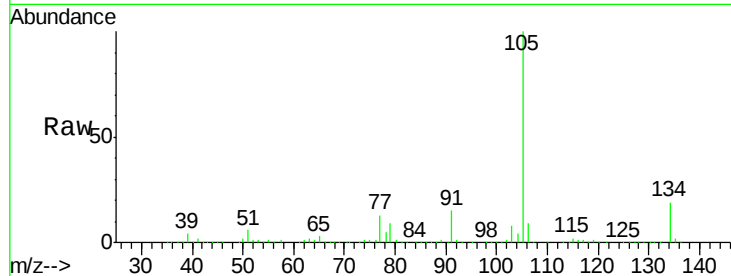
134 19.3 9.7 28.9

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#86

p-Isopropyltoluene

Concen: 49.824 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX009553.D

Acq: 14 May 2019 10:32

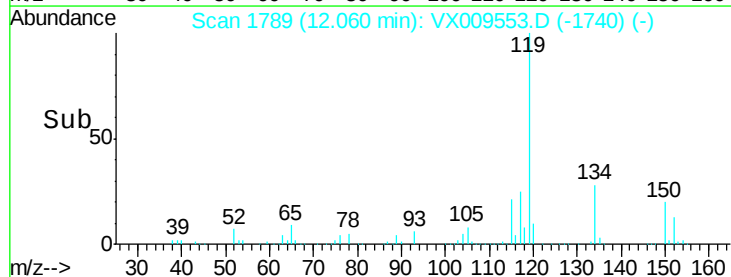
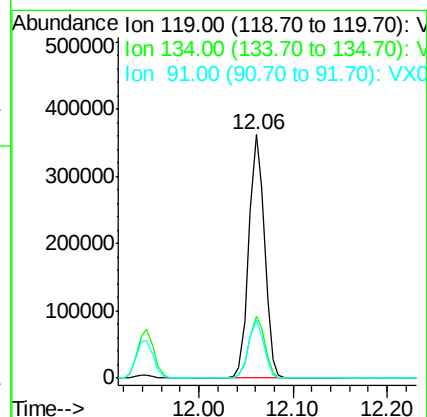
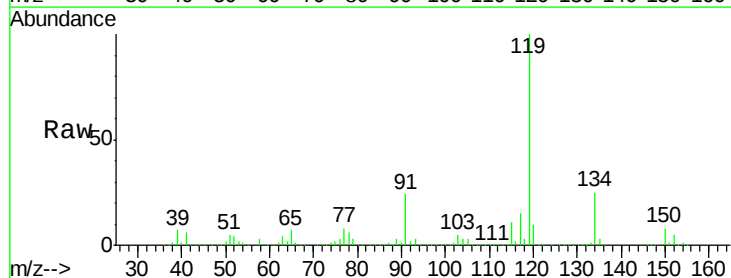
Tgt Ion:119 Resp: 419751

Ion Ratio Lower Upper

119 100

134 25.7 12.9 38.7

91 23.6 11.8 35.4





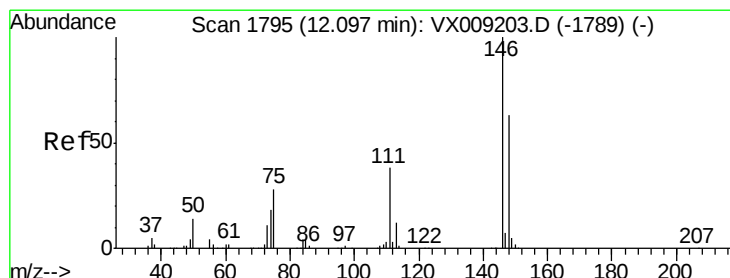
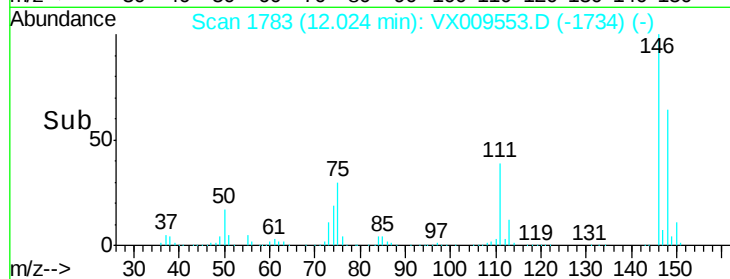
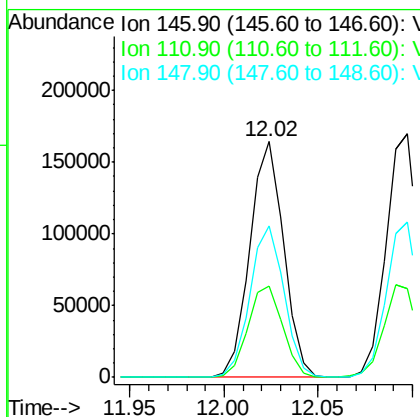
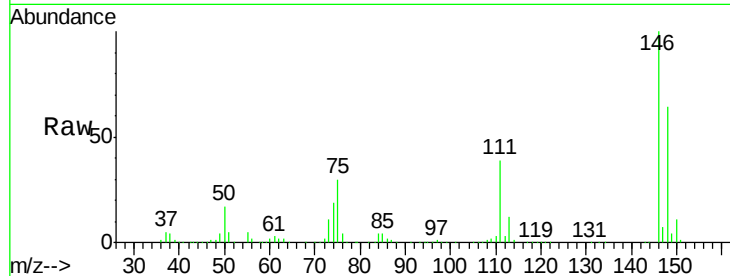
#87
 1,3-Dichlorobenzene
 Concen: 47.933 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX009553.D
 Acq: 14 May 2019 10:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.0	59.9
148	64.7	31.8	95.3

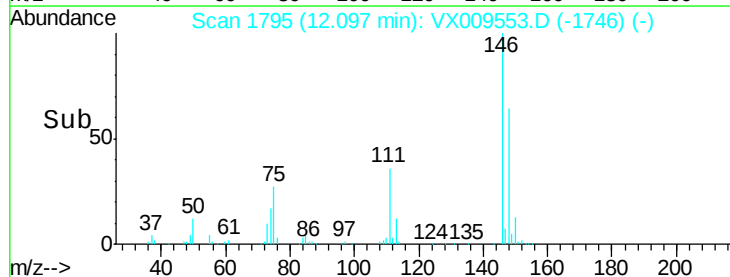
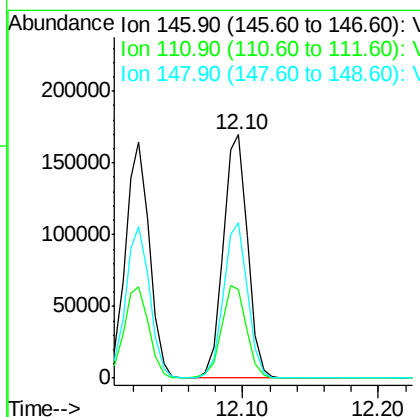
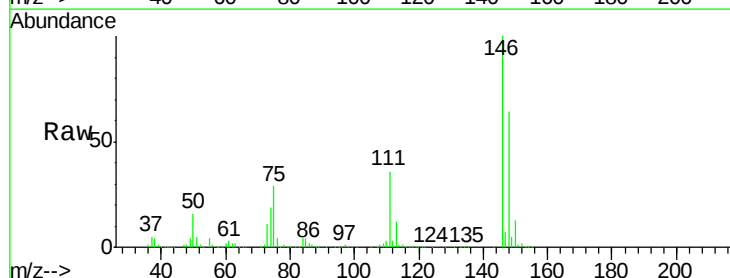
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#88
 1,4-Dichlorobenzene
 Concen: 48.652 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX009553.D
 Acq: 14 May 2019 10:32

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.6	58.8
148	63.4	31.8	95.3





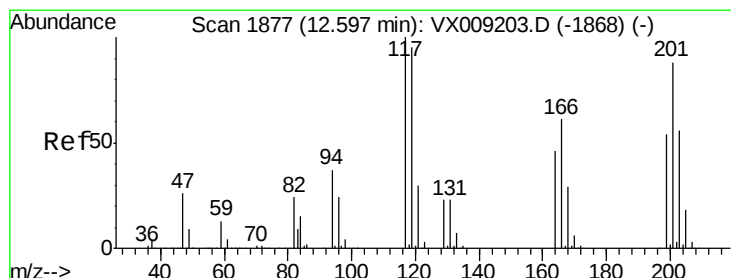
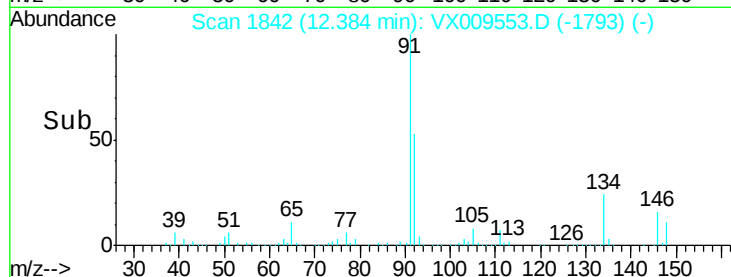
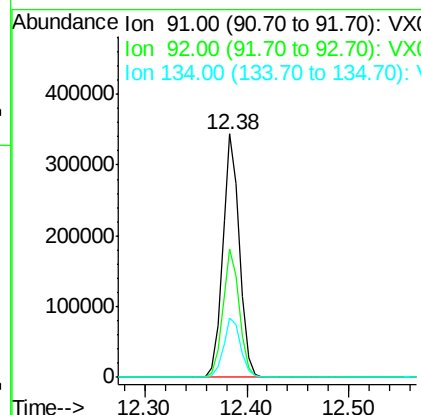
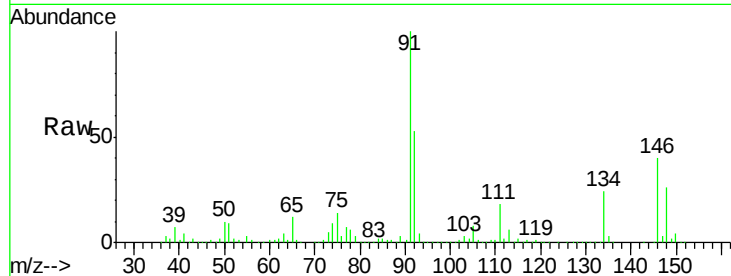
#89
n-Butylbenzene
Concen: 51.527 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX009553.D
Acq: 14 May 2019 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.5	79.5
134	24.9	12.4	37.2

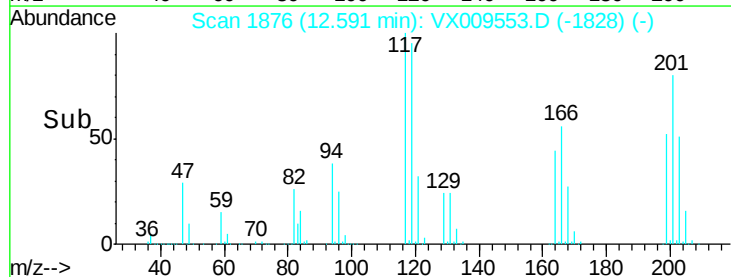
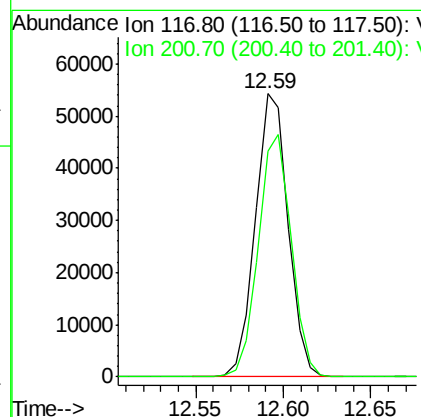
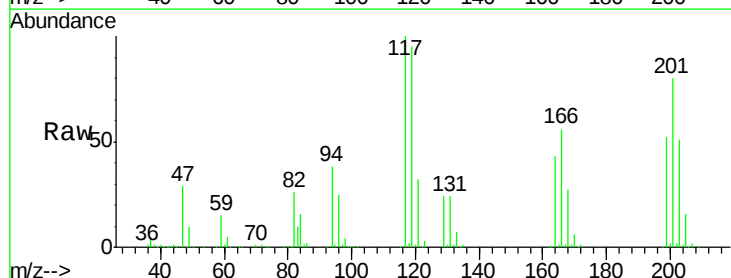
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#90
Hexachloroethane
Concen: 49.173 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX009553.D
Acq: 14 May 2019 10:32

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.1	42.3	126.9





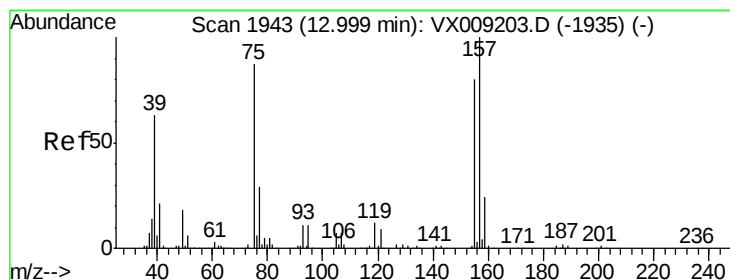
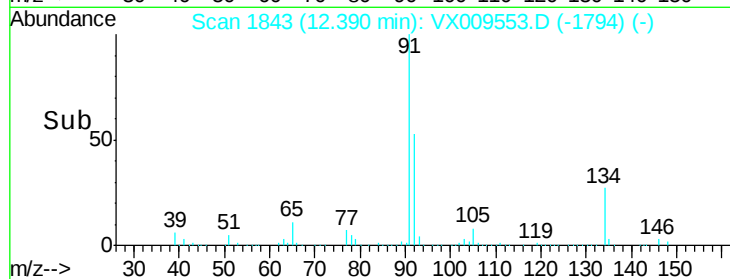
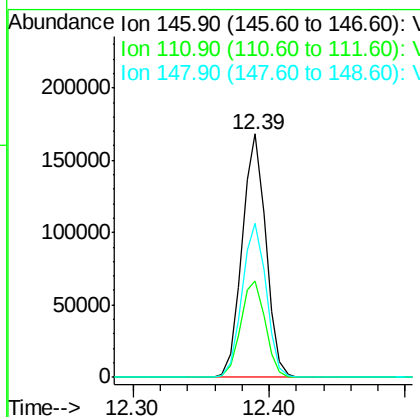
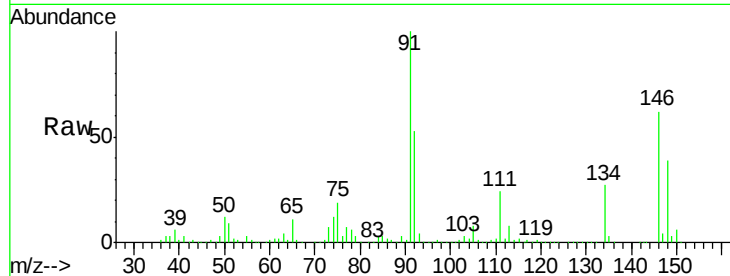
#91
 1,2-Dichlorobenzene
 Concen: 46.845 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX009553.D
 Acq: 14 May 2019 10:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	203731		
111	41.1	20.8	62.4	
148	64.5	31.9	95.9	

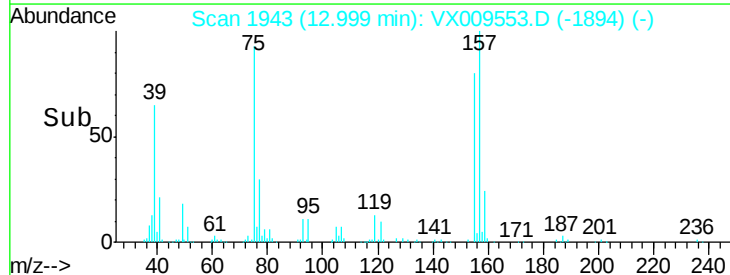
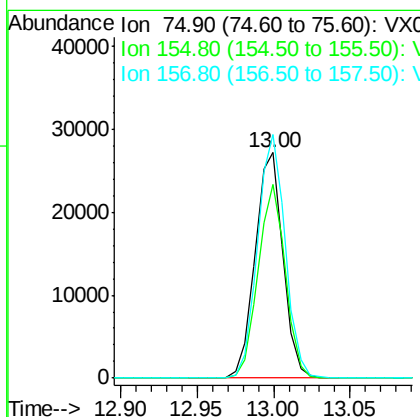
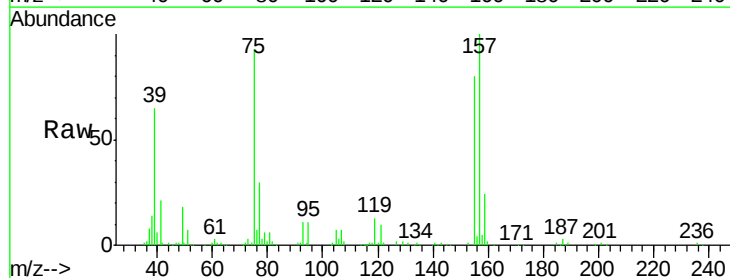
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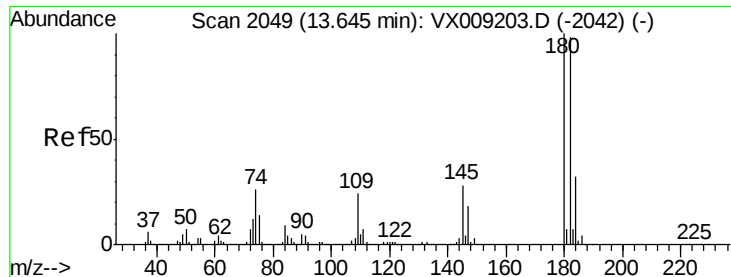
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 42.774 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX009553.D
 Acq: 14 May 2019 10:32

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	34519		
155	83.7	42.0	126.0	
157	106.7	53.2	159.6	





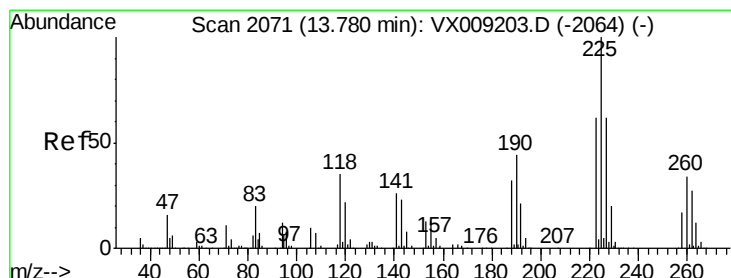
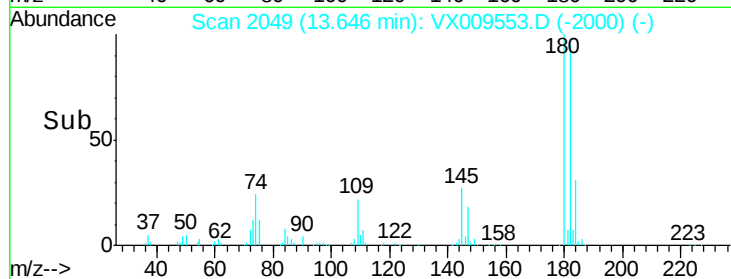
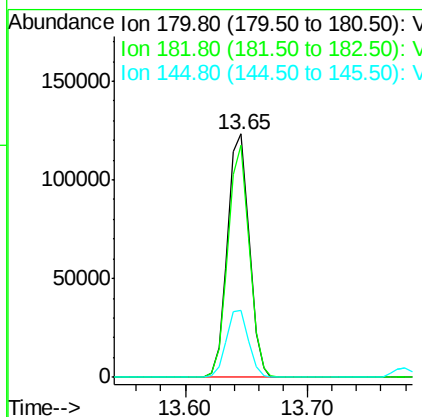
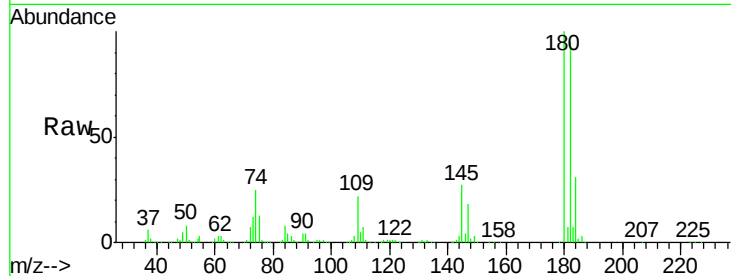
#93
 1,2,4-Trichlorobenzene
 Concen: 50.681 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX009553.D
 Acq: 14 May 2019 10:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	150728		
182	94.0	48.4	145.2	
145	28.2	14.6	43.8	

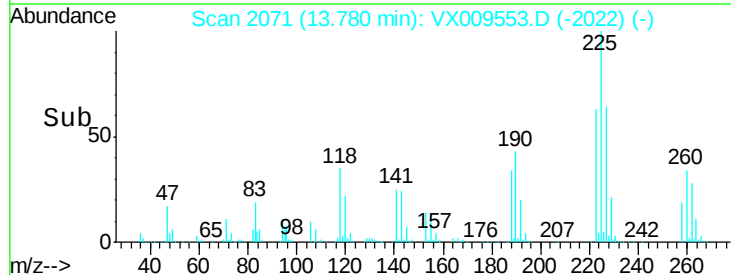
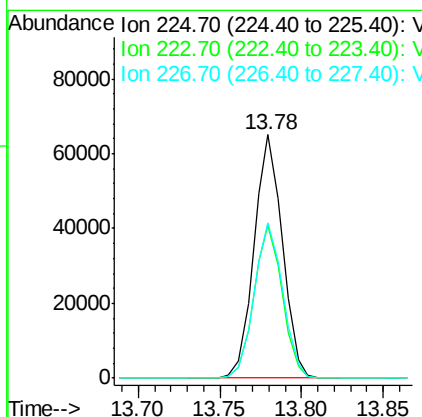
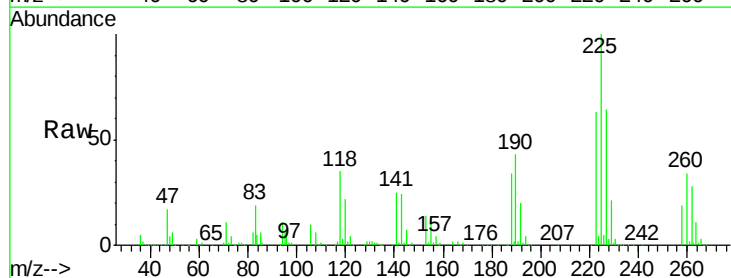
Manual Integrations
 APPROVED

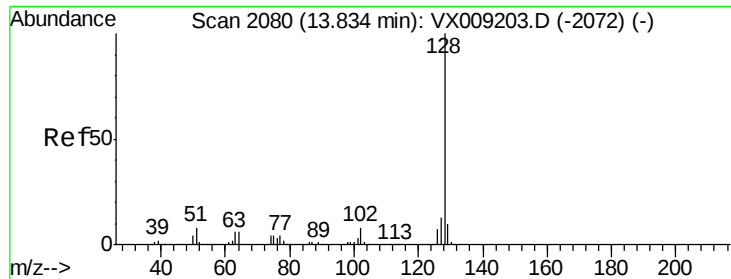
MMDadoda
 5/15/2019 12:25:10 PM



#94
 Hexachlorobutadiene
 Concen: 51.772 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX009553.D
 Acq: 14 May 2019 10:32

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	78628		
223	62.4	31.3	93.8	
227	64.2	31.8	95.3	





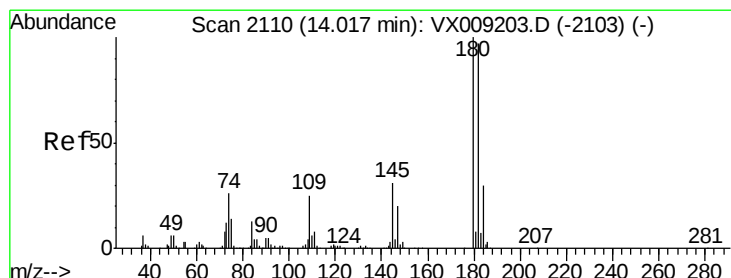
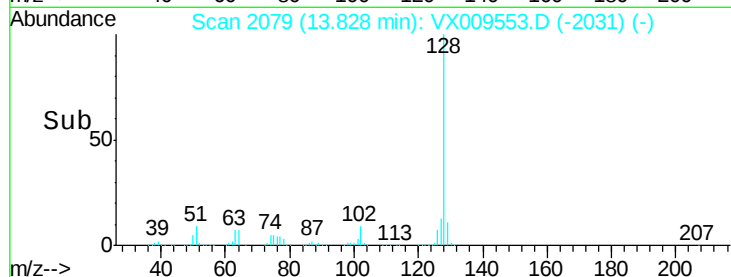
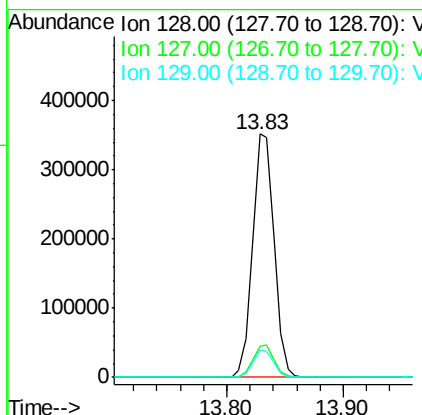
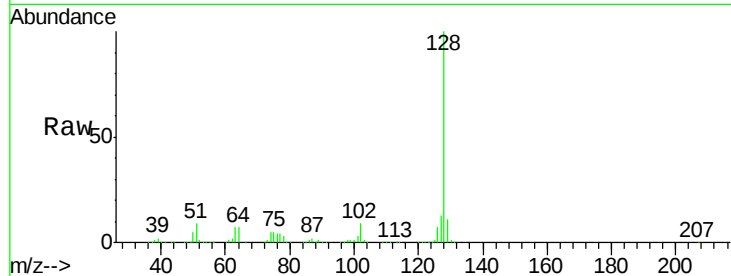
#95
Naphthalene
Concen: 46.680 ug/l
RT: 13.83 min Scan# 2079
Delta R.T. -0.01 min
Lab File: VX009553.D
Acq: 14 May 2019 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.4	15.6
129	11.0	8.6	13.0

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 48.907 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX009553.D
Acq: 14 May 2019 10:32

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.8	143.4
145	30.8	15.4	46.4

