

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX041719\
 Data File : VX009004.D
 Acq On : 17 Apr 2019 09:47
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/18/2019 10:15:54 AM

Quant Time: Apr 18 01:45:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 06:47:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	218825	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.85	114	348048	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	315590	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	156875	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	149810	48.58	ug/l	0.00
Spiked Amount						
			Recovery	=	97.16%	
35) Dibromofluoromethane	5.49	113	111583	49.95	ug/l	0.00
Spiked Amount						
			Recovery	=	99.90%	
50) Toluene-d8	8.71	98	452190	50.76	ug/l	0.00
Spiked Amount						
			Recovery	=	101.52%	
62) 4-Bromofluorobenzene	11.13	95	169985	54.06	ug/l	0.00
Spiked Amount						
			Recovery	=	108.12%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	141953	56.321	ug/l	99
3) Chloromethane	1.32	50	162278	52.444	ug/l	99
4) Vinyl Chloride	1.40	62	157158	52.183	ug/l	98
5) Bromomethane	1.64	94	86222	46.048	ug/l	97
6) Chloroethane	1.71	64	92993	52.510	ug/l	95
7) Trichlorofluoromethane	1.92	101	181935	51.741	ug/l	99
8) Diethyl Ether	2.18	74	80409	50.003	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	114071	50.739	ug/l	98
10) Methyl Iodide	2.51	142	130119	52.675	ug/l	99
11) Tert butyl alcohol	3.04	59	174390	254.757	ug/l	100
12) 1,1-Dichloroethene	2.37	96	111579	47.548	ug/l	97
13) Acrolein	2.29	56	136310	230.461	ug/l	100
14) Allyl chloride	2.72	41	273575	53.436	ug/l	100
15) Acrylonitrile	3.14	53	430100	247.514	ug/l	100
16) Acetone	2.44	43	440165	275.237	ug/l	98
17) Carbon Disulfide	2.57	76	344972	50.026	ug/l	100
18) Methyl Acetate	2.77	43	192648	48.267	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	430802	51.523	ug/l	100
20) Methylene Chloride	2.85	84	136131	49.776	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	122953	49.123	ug/l	96
22) Diisopropyl ether	3.85	45	522987	52.570	ug/l	99
23) Vinyl Acetate	3.81	43	2316419	264.884	ug/l	99
24) 1,1-Dichloroethane	3.69	63	254552	50.972	ug/l	100
25) 2-Butanone	4.67	43	674186	263.740	ug/l	99
26) 2,2-Dichloropropane	4.57	77	195461	52.215	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	142644	50.195	ug/l	99
28) Bromochloromethane	5.01	49	107007	51.651	ug/l	100
29) Tetrahydrofuran	5.12	42	418859	244.811	ug/l	99
30) Chloroform	5.20	83	230042	51.477	ug/l	100
31) Cyclohexane	5.57	56	259421	52.816	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	192404	51.948	ug/l	99
36) 1,1-Dichloropropene	5.79	75	185307	51.480	ug/l	98
37) Ethyl Acetate	4.82	43	242786	52.417	ug/l	99
38) Carbon Tetrachloride	5.78	117	160922	52.734	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	238360	54.388	ug/l	95
40) Benzene	6.13	78	551201	51.907	ug/l	99
41) Methacrylonitrile	5.04	41	134445	50.575	ug/l	97
42) 1,2-Dichloroethane	6.18	62	195016	51.843	ug/l	99
43) Isopropyl Acetate	6.43	43	393343	52.697	ug/l	100
44) Trichloroethene	7.21	130	132024	50.742	ug/l	97
45) 1,2-Dichloropropane	7.51	63	157277	53.387	ug/l	99
46) Dibromomethane	7.66	93	87821	51.223	ug/l	100
47) Bromodichloromethane	7.89	83	177797	52.873	ug/l	100
48) Methyl methacrylate	7.76	41	196961	53.404	ug/l	100
49) 1,4-Dioxane	7.74	88	72065	1043.959	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	1268419	266.740	ug/l	99
52) Toluene	8.78	92	334843	52.614	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	210050	54.276	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	231660	53.459	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	133185	52.803	ug/l	97
56) Ethyl methacrylate	9.18	69	249193	55.098	ug/l	99
57) 1,3-Dichloropropane	9.37	76	235292	52.393	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	654874	268.889	ug/l	100
59) 2-Hexanone	9.49	43	1017740	277.600	ug/l	99
60) Dibromochloromethane	9.58	129	132253	54.709	ug/l	100
61) 1,2-Dibromoethane	9.67	107	135919	52.212	ug/l	98
64) Tetrachloroethene	9.34	164	123621	51.563	ug/l	98
65) Chlorobenzene	10.13	112	345035	51.797	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	122596	52.243	ug/l	99
67) Ethyl Benzene	10.25	91	650428	53.414	ug/l	100
68) m/p-Xylenes	10.35	106	477309	107.856	ug/l	99
69) o-Xylene	10.69	106	230721	53.581	ug/l	98
70) Styrene	10.71	104	408068	54.686	ug/l	99
71) Bromoform	10.85	173	100474	53.742	ug/l #	99
73) Isopropylbenzene	11.02	105	623768	52.457	ug/l	100
74) N-amyl acetate	10.90	43	358633	52.528	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	213786	49.206	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	192169m	50.167	ug/l	
77) Bromobenzene	11.26	156	149788	49.926	ug/l	98
78) n-propylbenzene	11.36	91	735316	53.877	ug/l	100
79) 2-Chlorotoluene	11.42	91	430504	52.345	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	530242	53.139	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	76014	50.945	ug/l	96
82) 4-Chlorotoluene	11.51	91	503562	52.720	ug/l	100
83) tert-Butylbenzene	11.77	119	499562	52.146	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	530969	52.275	ug/l	99
85) sec-Butylbenzene	11.94	105	618860	54.163	ug/l	100
86) p-Isopropyltoluene	12.06	119	563829	53.674	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	274941	52.360	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	274371	51.545	ug/l	100
89) n-Butylbenzene	12.38	91	539649	55.161	ug/l	99
90) Hexachloroethane	12.59	117	92919	53.624	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	269080	51.894	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	47925	48.447	ug/l	97

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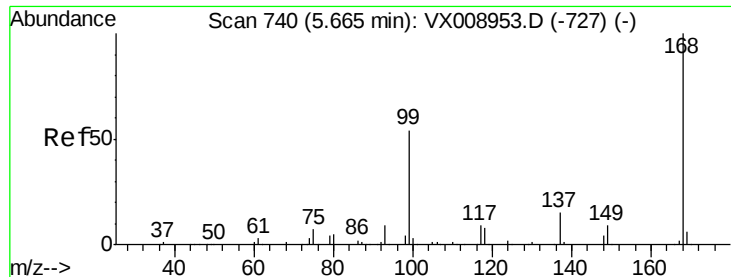
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	195305	52.179	ug/l	100
94) Hexachlorobutadiene	13.78	225	99812	53.466	ug/l	100
95) Naphthalene	13.83	128	600712	50.093	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	191010	51.721	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: VX009004.D

Acq: 17 Apr 2019 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 218825

Ion Ratio Lower Upper

168 100

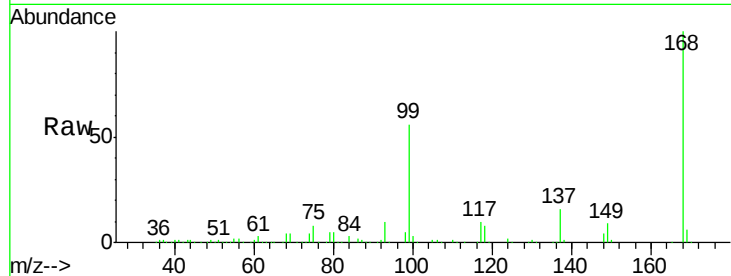
99 55.7 43.0 64.6

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

80000

60000

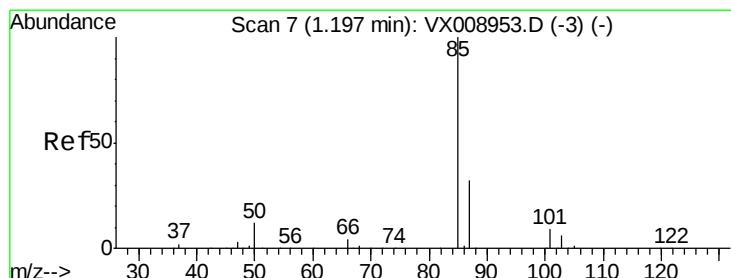
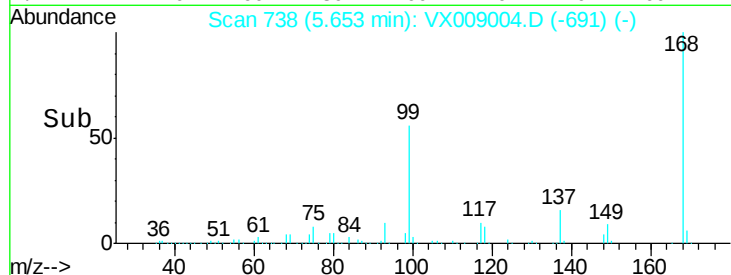
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 56.321 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX009004.D

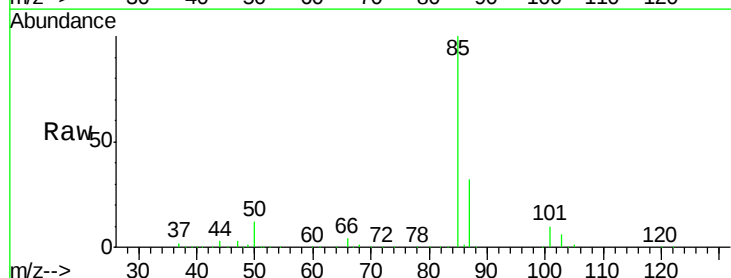
Acq: 17 Apr 2019 09:47

Tgt Ion: 85 Resp: 141953

Ion Ratio Lower Upper

85 100

87 32.3 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

150000

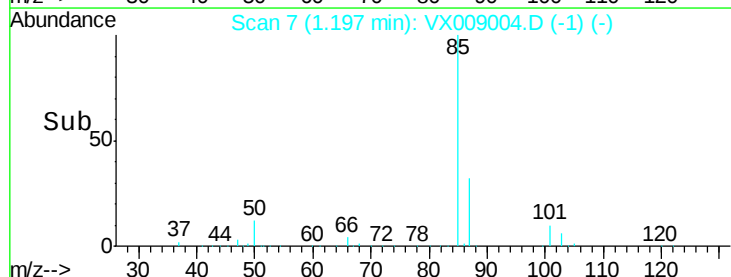
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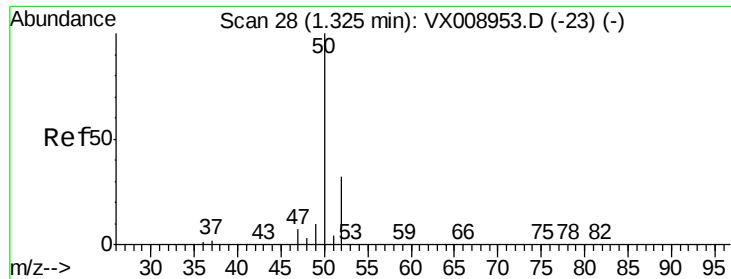
50000

0

1.10 1.20 1.30

Time-->





#3

Chloromethane

Concen: 52.444 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009004.D

Acq: 17 Apr 2019 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 162278

Ion Ratio Lower Upper

50 100

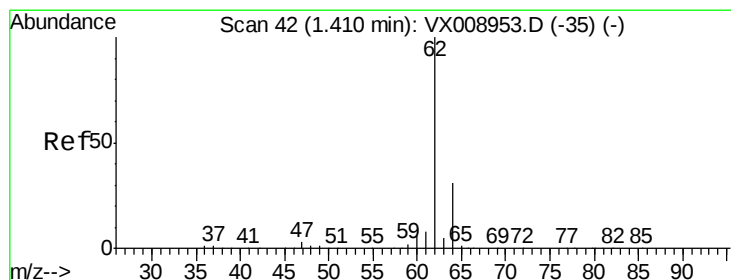
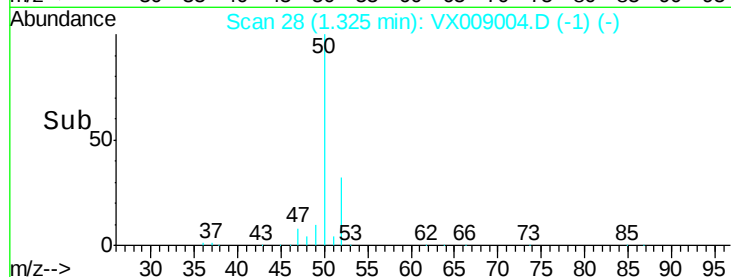
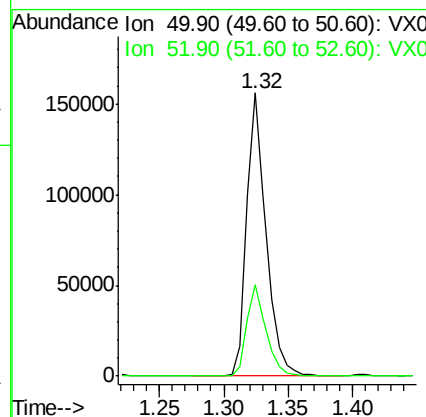
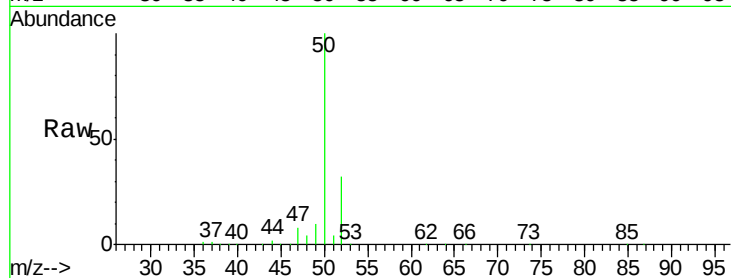
52 32.3 25.5 38.3

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#4

Vinyl Chloride

Concen: 52.183 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.01 min

Lab File: VX009004.D

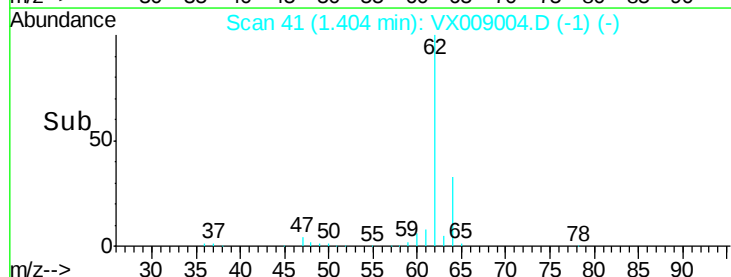
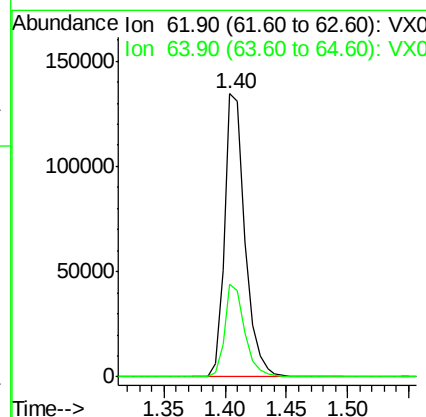
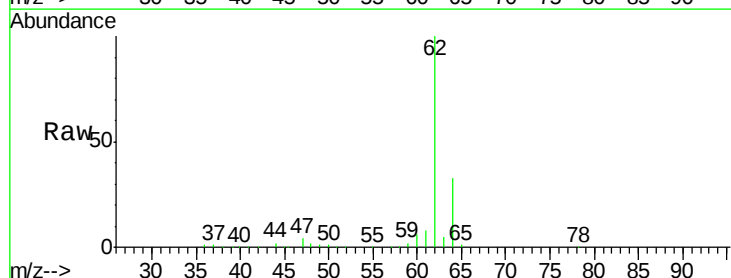
Acq: 17 Apr 2019 09:47

Tgt Ion: 62 Resp: 157158

Ion Ratio Lower Upper

62 100

64 32.5 25.0 37.4





#5

Bromomethane

Concen: 46.048 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009004.D

Acq: 17 Apr 2019 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 86222

Ion Ratio Lower Upper

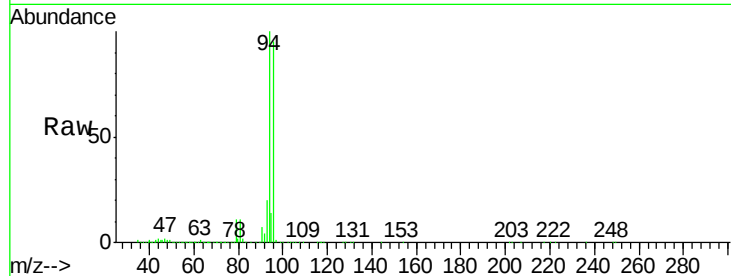
94 100

96 95.2 73.9 110.9

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

100000

80000

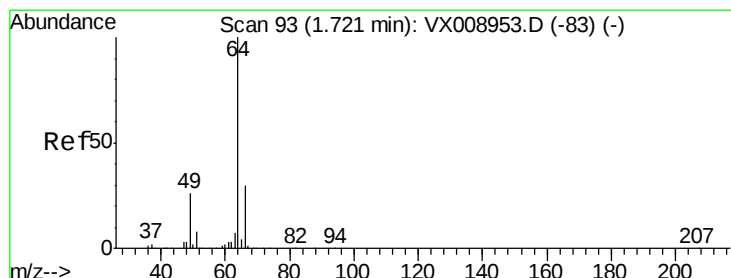
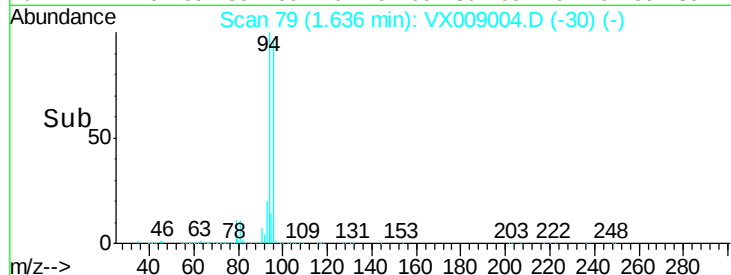
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 52.510 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.01 min

Lab File: VX009004.D

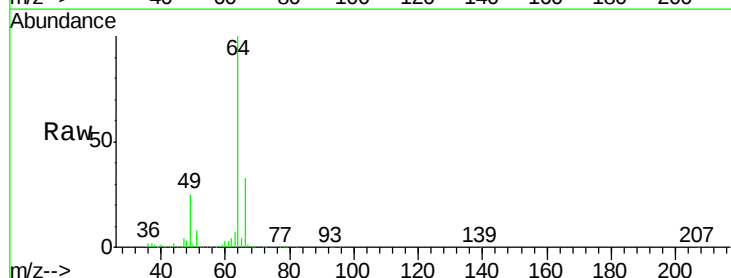
Acq: 17 Apr 2019 09:47

Tgt Ion: 64 Resp: 92993

Ion Ratio Lower Upper

64 100

66 32.7 24.2 36.2



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.71

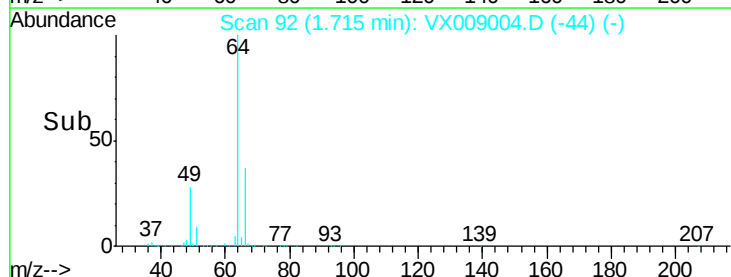
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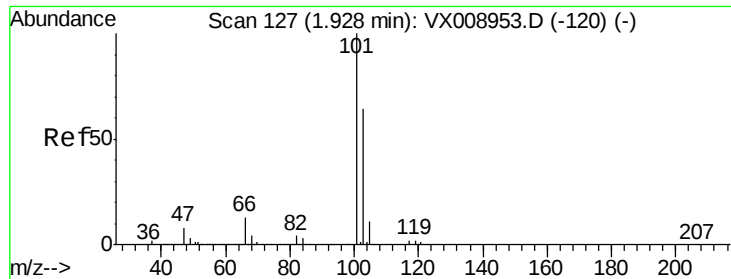
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Time-->





#7

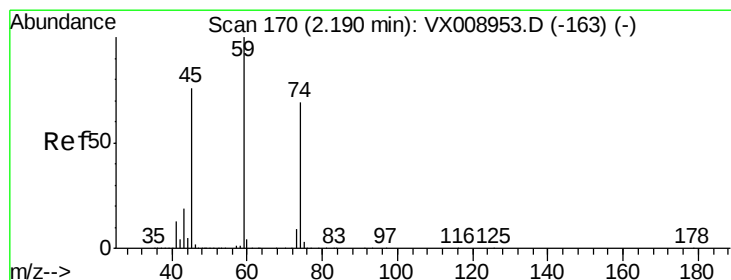
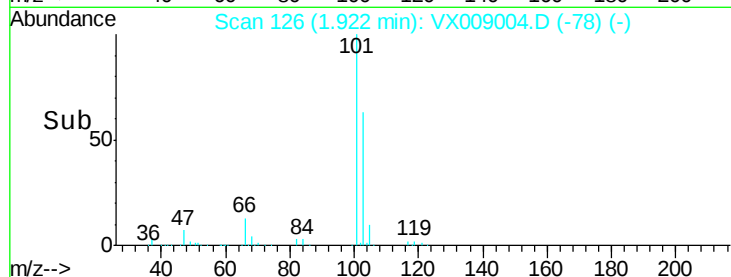
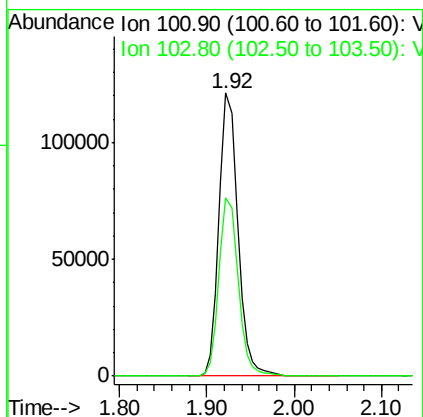
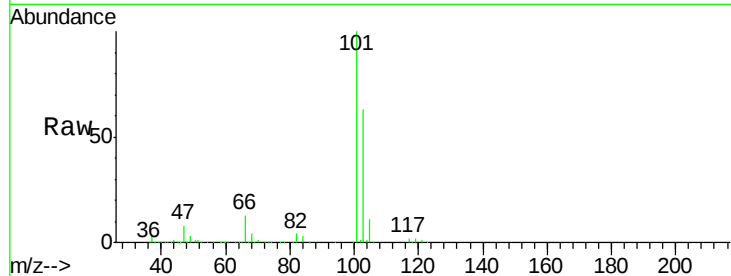
Trichlorofluoromethane
Concen: 51.741 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.01 min
Lab File: VX009004.D
Acq: 17 Apr 2019 09:47

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.2	51.0	76.6

Manual Integrations
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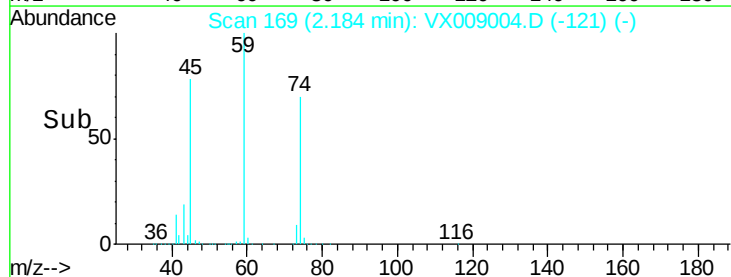
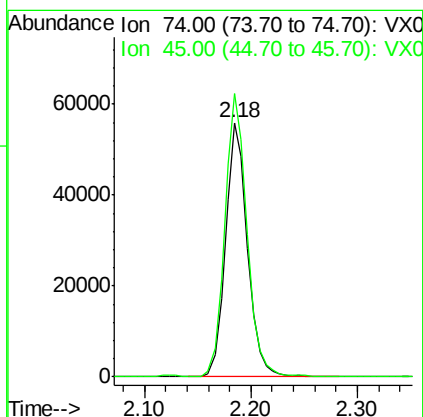
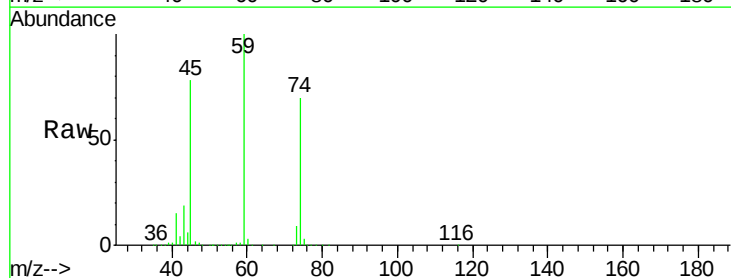
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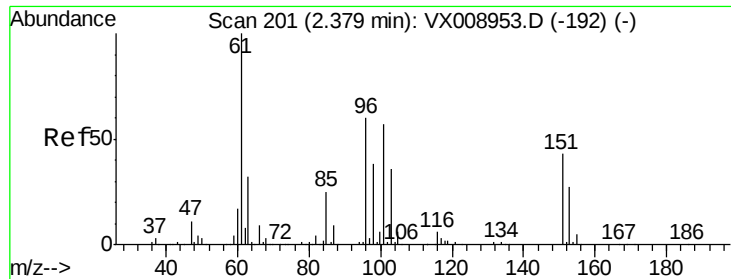


#8

Diethyl Ether
Concen: 50.003 ug/l
RT: 2.18 min Scan# 169
Delta R.T. -0.01 min
Lab File: VX009004.D
Acq: 17 Apr 2019 09:47

Tgt Ion	Ratio	Lower	Upper
74	100		
45	111.6	54.9	164.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.739 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX009004.D

Acq: 17 Apr 2019 09:47

Instrument :

MSVOA_X

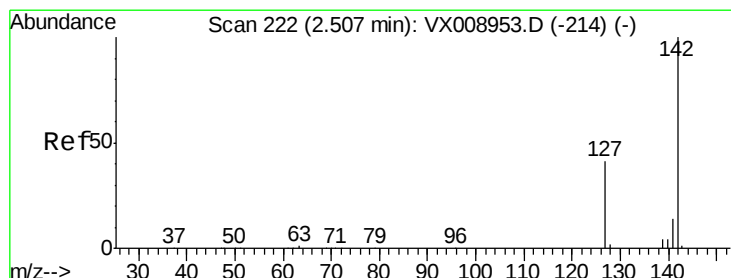
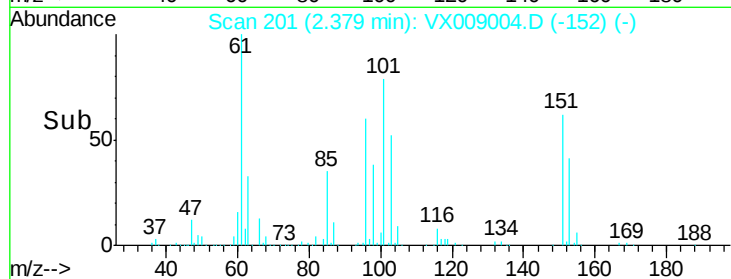
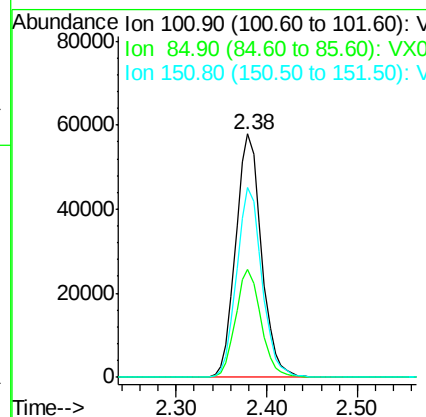
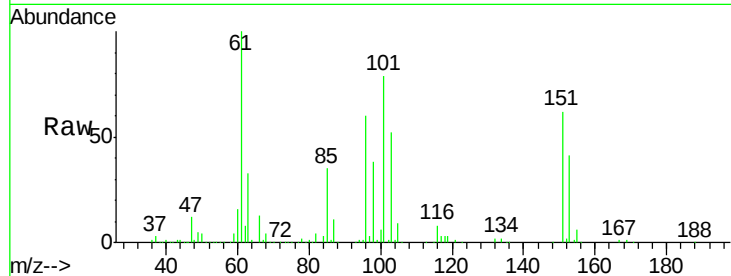
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	114071
Ion Ratio	Lower	Upper	
101	100		
85	43.7	35.7	53.5
151	77.0	62.7	94.1

Manual Integrations
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#10

Methyl Iodide

Concen: 52.675 ug/l

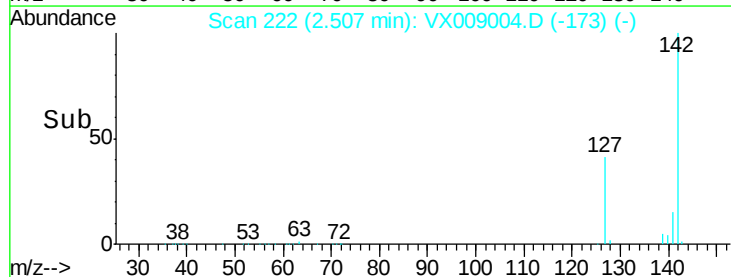
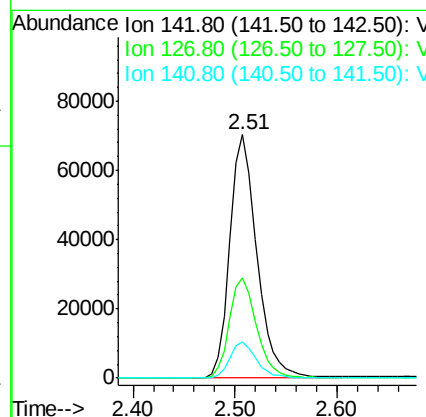
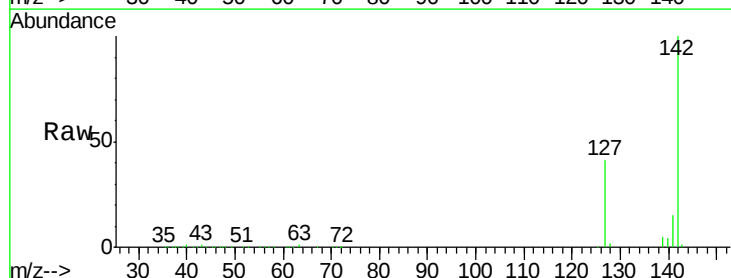
RT: 2.51 min Scan# 222

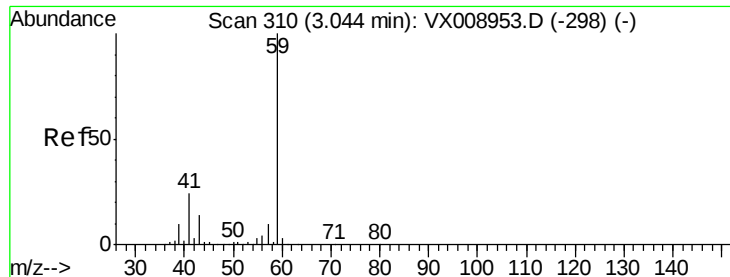
Delta R.T. 0.00 min

Lab File: VX009004.D

Acq: 17 Apr 2019 09:47

Tgt Ion:	142	Resp:	130119
Ion Ratio	Lower	Upper	
142	100		
127	41.6	32.8	49.2
141	14.7	11.4	17.2





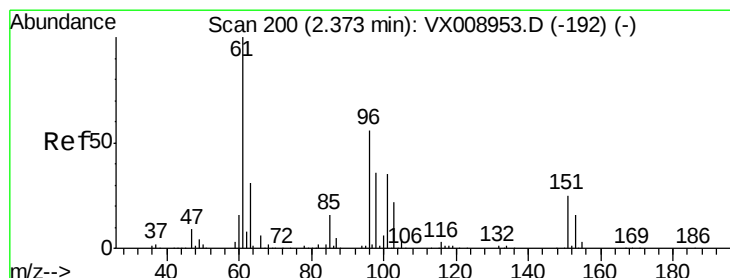
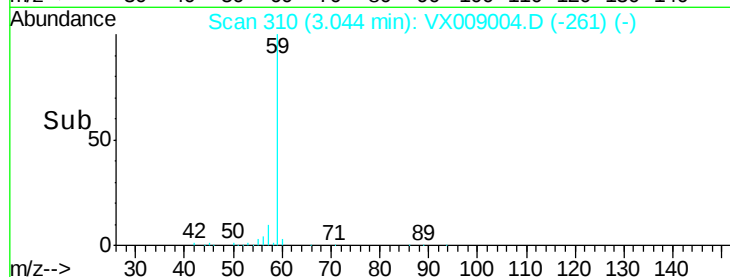
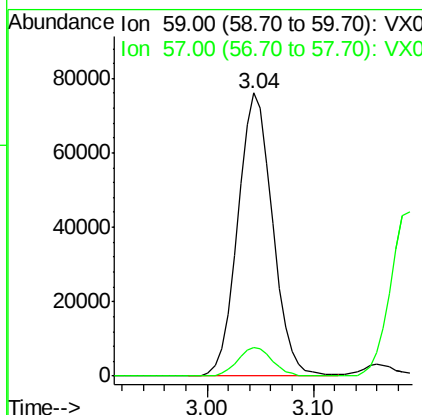
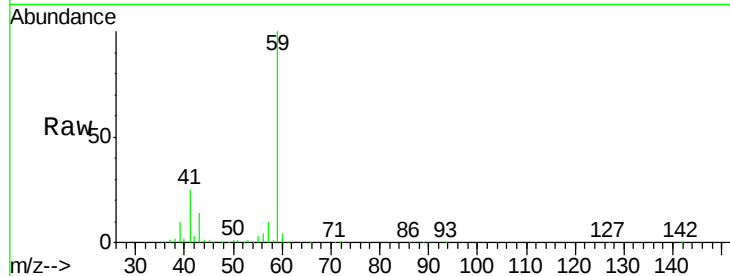
#11
Tert butyl alcohol
Concen: 254.757 ug/l
RT: 3.04 min Scan# 310
Delta R.T. 0.00 min
Lab File: VX009004.D
Acq: 17 Apr 2019 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.4	12.6

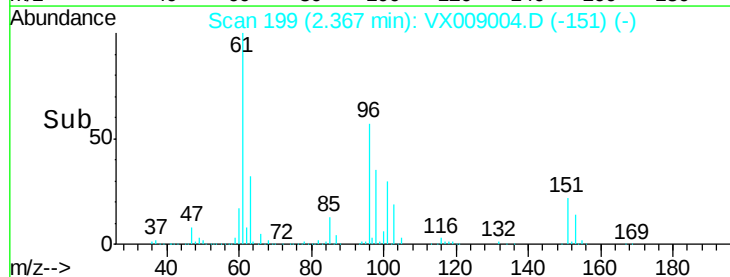
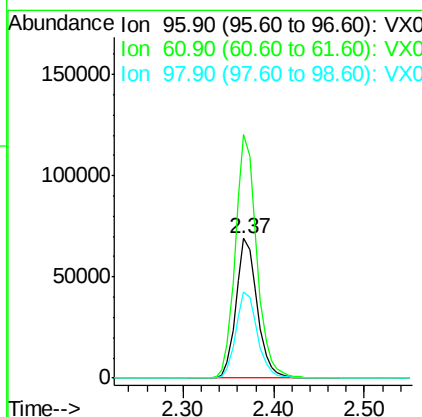
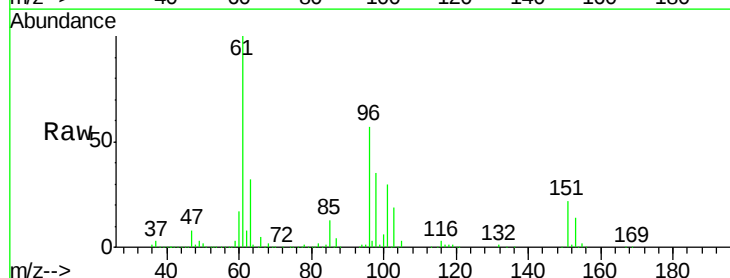
Manual Integrations
APPROVED

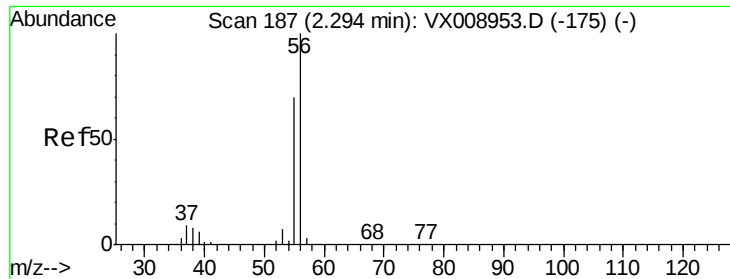
MMDadoda
4/18/2019 10:15:54 AM



#12
1,1-Dichloroethene
Concen: 47.548 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.01 min
Lab File: VX009004.D
Acq: 17 Apr 2019 09:47

Tgt Ion	Ratio	Lower	Upper
96	100		
61	174.2	142.2	213.2
98	61.6	50.9	76.3





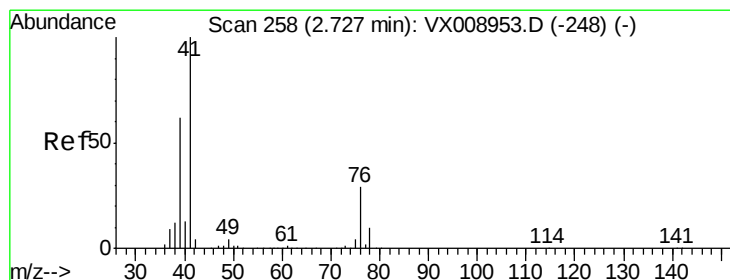
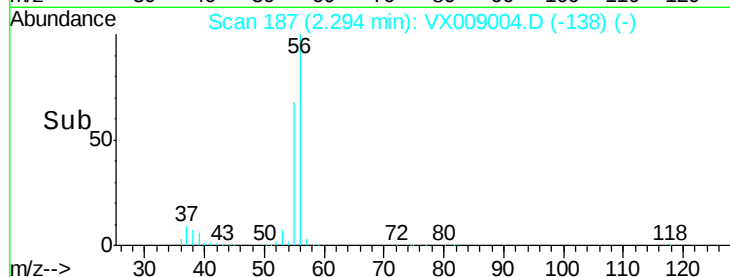
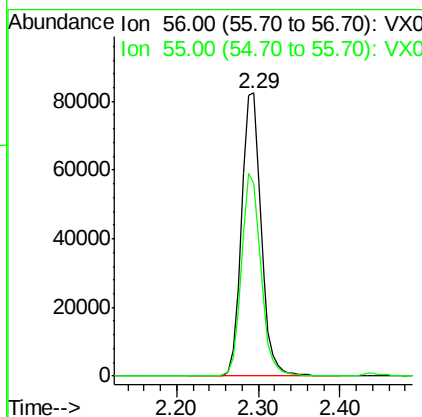
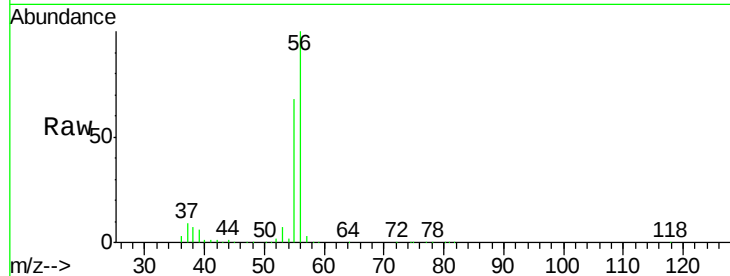
#13
Acrolein
Concen: 230.461 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX009004.D
Acq: 17 Apr 2019 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	136310
Ion Ratio	100	Lower	Upper
55	70.9	56.6	84.8

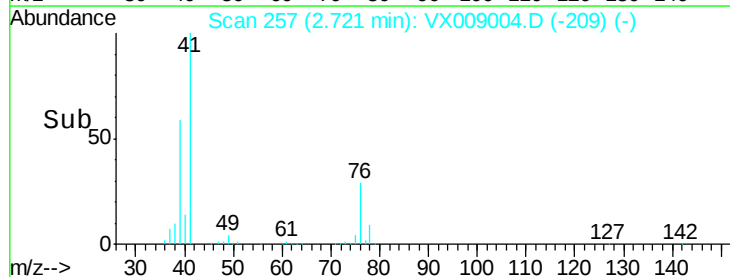
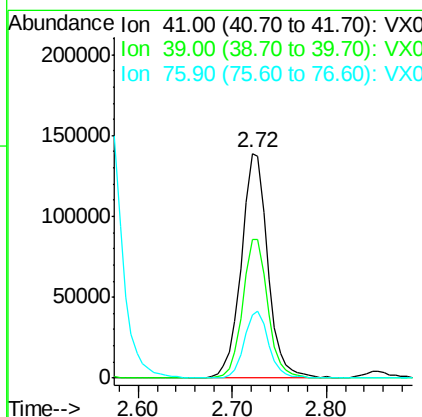
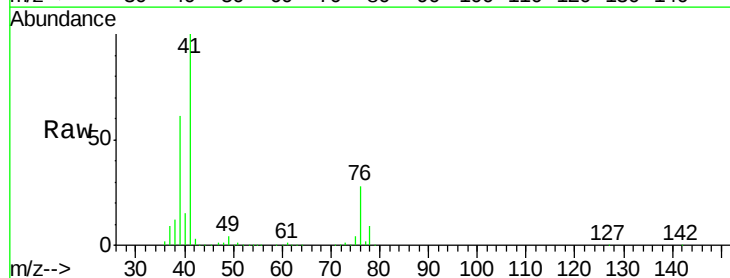
Manual Integrations
APPROVED

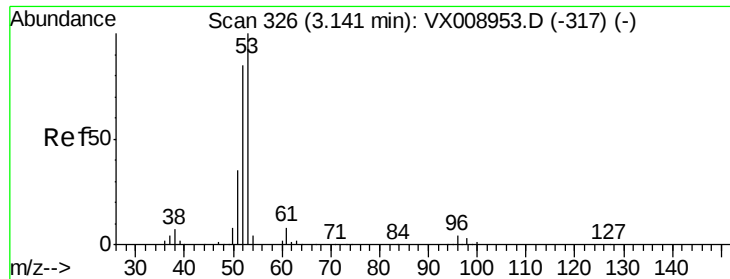
MMDadoda
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#14
Allyl chloride
Concen: 53.436 ug/l
RT: 2.72 min Scan# 257
Delta R.T. -0.01 min
Lab File: VX009004.D
Acq: 17 Apr 2019 09:47

Tgt Ion	41	Resp	273575
Ion Ratio	100	Lower	Upper
39	58.7	46.7	70.1
76	27.3	22.0	33.0





#15

Acrylonitrile

Concen: 247.514 ug/l

RT: 3.14 min Scan# 325

Delta R.T. -0.01 min

Lab File: VX009004.D

Acq: 17 Apr 2019 09:47

Instrument :

MSVOA_X

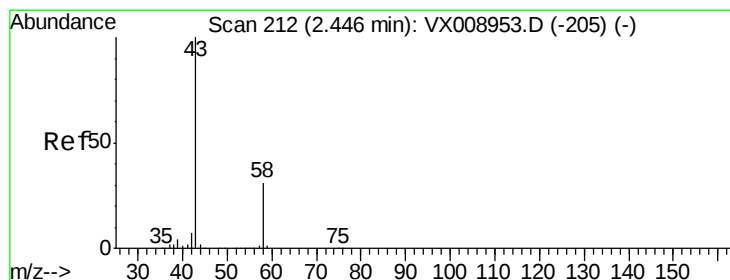
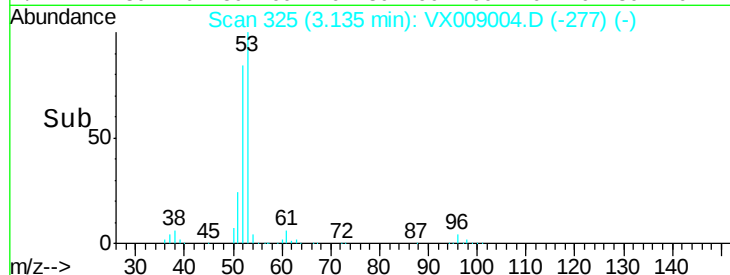
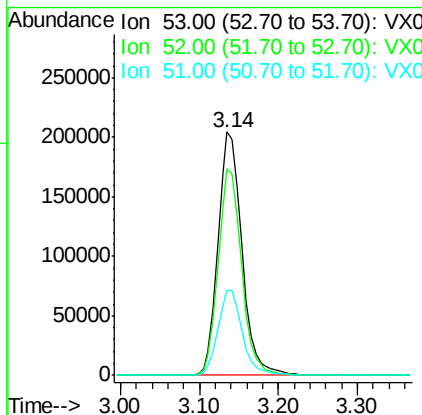
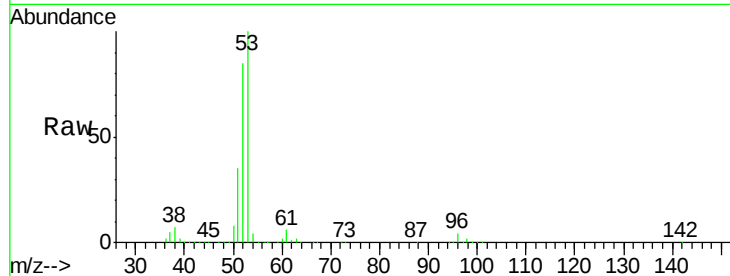
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	430100
Ion	Ratio	Lower	Upper
53	100		
52	83.7	66.6	100.0
51	35.7	28.3	42.5

Manual Integrations
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#16

Acetone

Concen: 275.237 ug/l

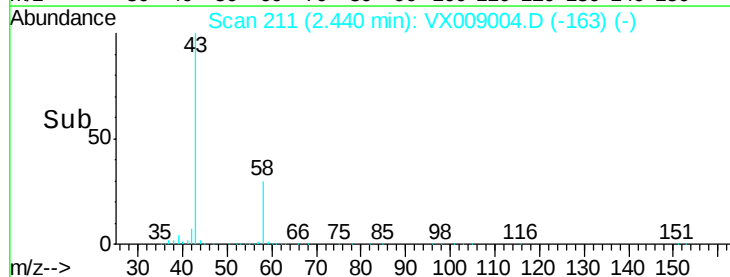
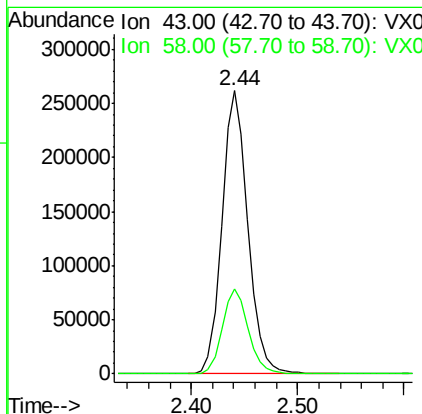
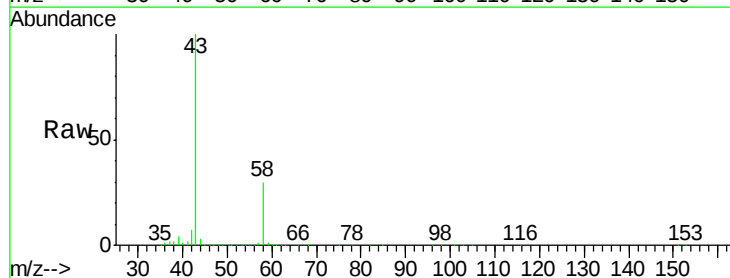
RT: 2.44 min Scan# 211

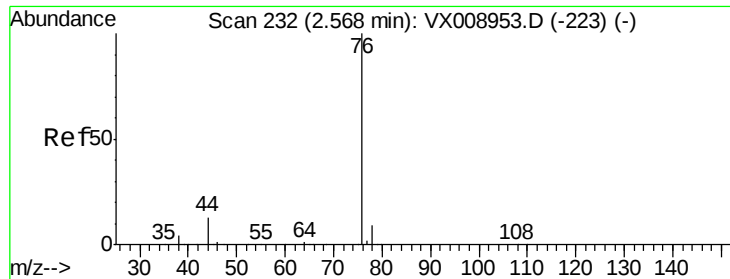
Delta R.T. -0.01 min

Lab File: VX009004.D

Acq: 17 Apr 2019 09:47

Tgt Ion:	43	Resp:	440165
Ion	Ratio	Lower	Upper
43	100		
58	30.1	24.8	37.2





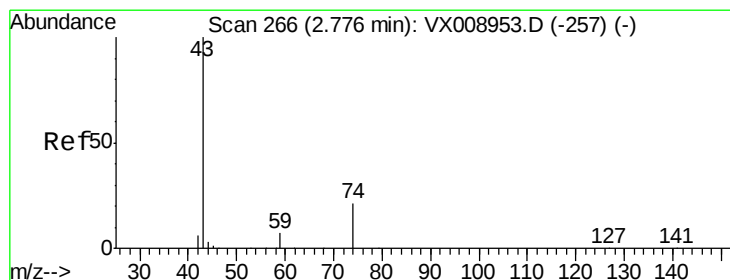
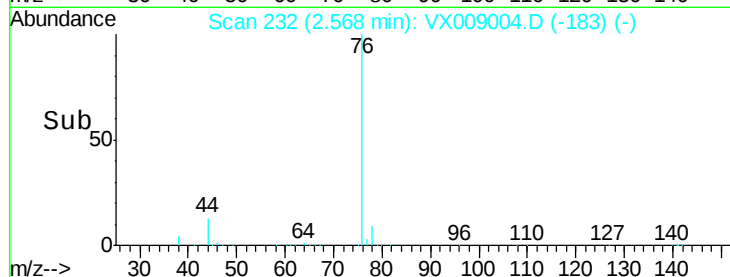
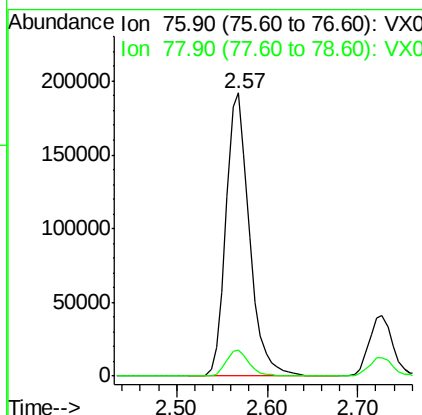
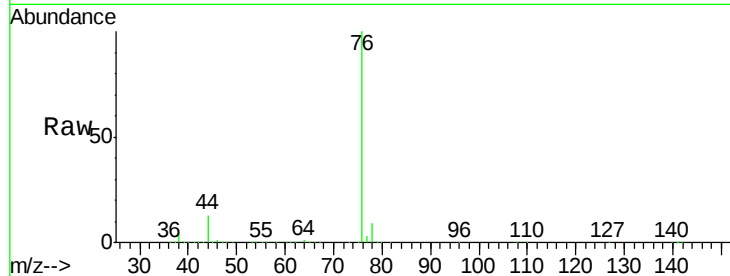
#17
Carbon Disulfide
Concen: 50.026 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX009004.D
Acq: 17 Apr 2019 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.2	10.8

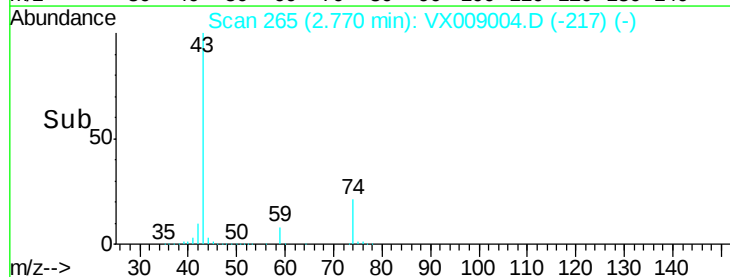
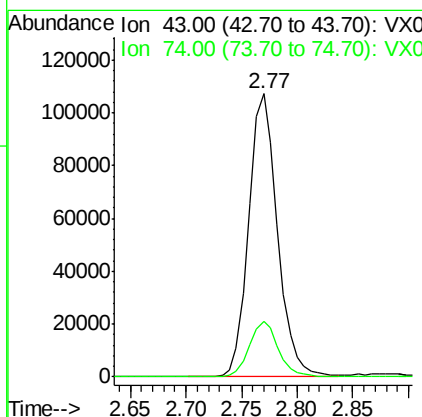
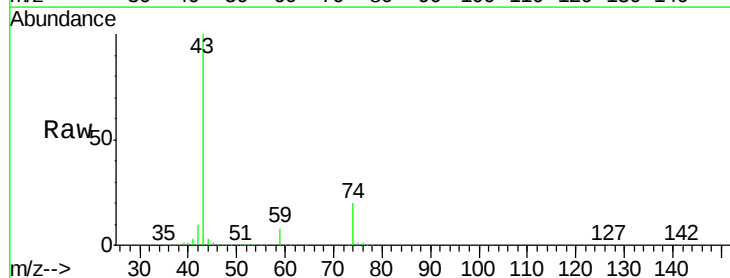
Manual Integrations
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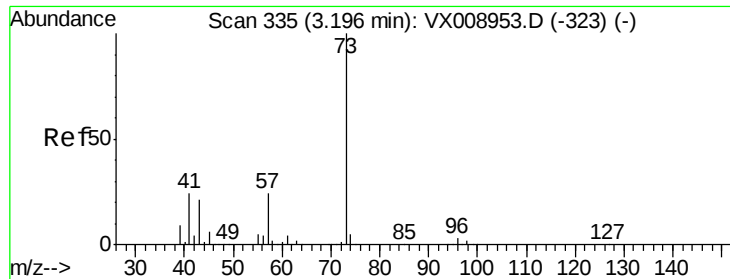
MMDadoda
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#18
Methyl Acetate
Concen: 48.267 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX009004.D
Acq: 17 Apr 2019 09:47

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.2	16.6	25.0





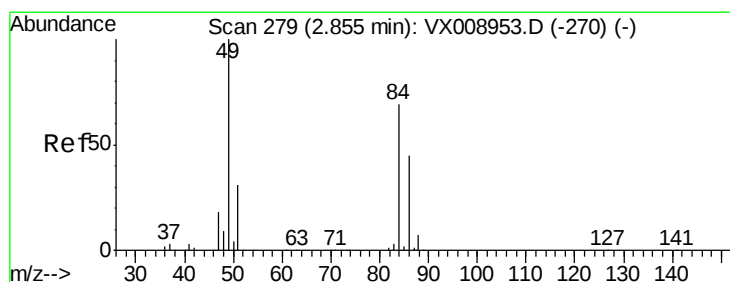
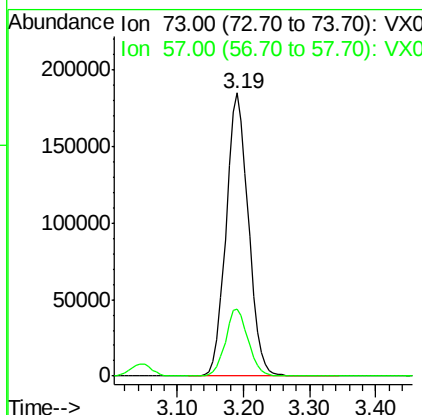
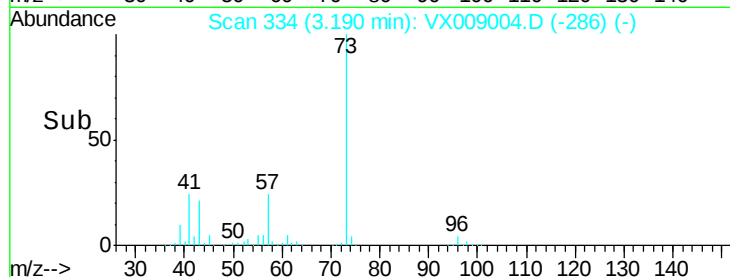
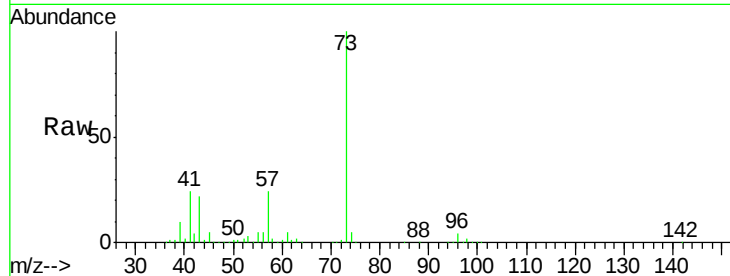
#19
Methvl tert-butvl Ether
Concen: 51.523 ug/l
RT: 3.19 min Scan# 334
Delta R.T. -0.01 min
Lab File: VX009004.D
Acq: 17 Apr 2019 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 430802
Ion Ratio Lower Upper
73 100
57 23.8 19.2 28.8

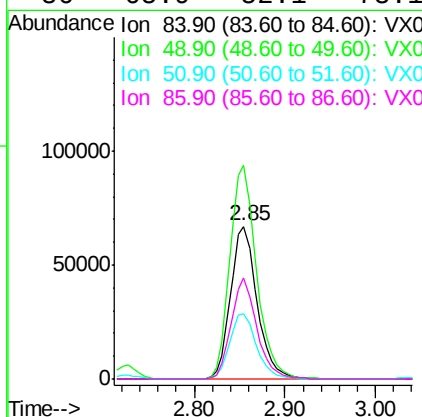
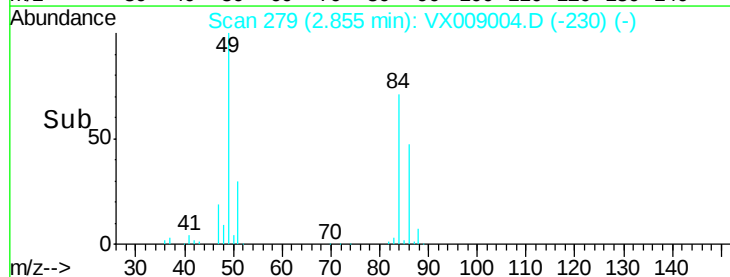
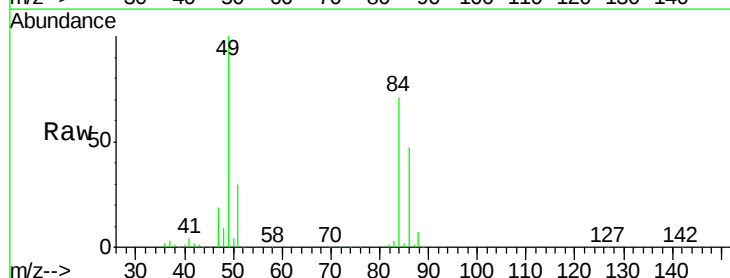
Manual Integrations
APPROVED

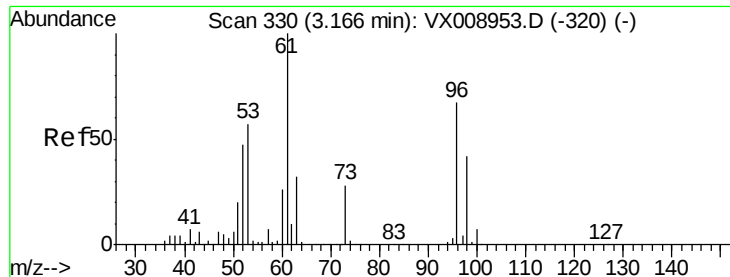
MMDadoda
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#20
Methylene Chloride
Concen: 49.776 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX009004.D
Acq: 17 Apr 2019 09:47

Tgt Ion: 84 Resp: 136131
Ion Ratio Lower Upper
84 100
49 140.0 115.4 173.0
51 42.5 35.8 53.6
86 65.9 52.1 78.1





#21

trans-1,2-Dichloroethene

Concen: 49.123 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.01 min

Lab File: VX009004.D

Acq: 17 Apr 2019 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 122953

Ion Ratio Lower Upper

96 100

61 156.0 120.3 180.5

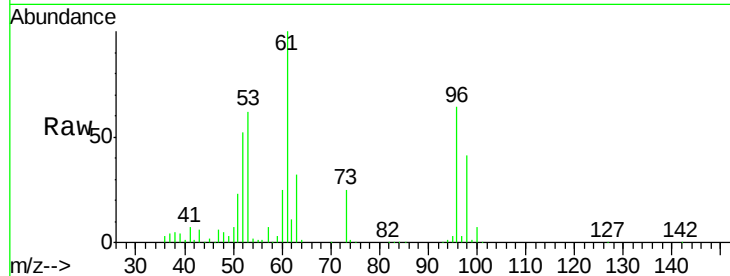
98 63.9 50.2 75.2

Manual Integrations

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MMDadoda

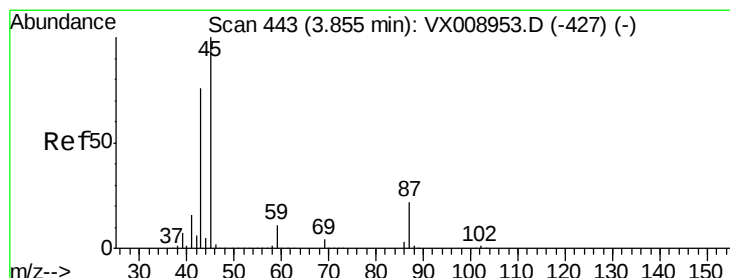
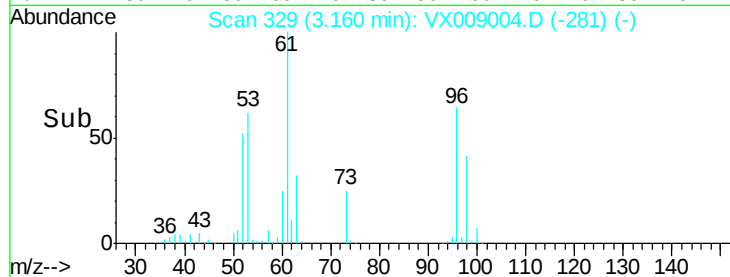
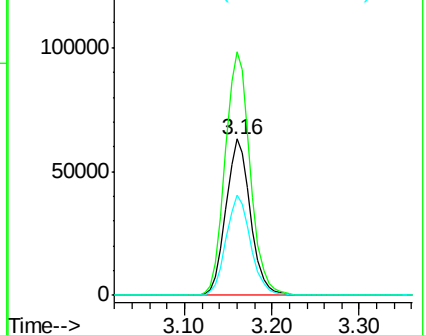
4/18/2019 10:15:54 AM



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: 52.570 ug/l

RT: 3.85 min Scan# 442

Delta R.T. -0.01 min

Lab File: VX009004.D

Acq: 17 Apr 2019 09:47

Tgt Ion: 45 Resp: 522987

Ion Ratio Lower Upper

45 100

43 74.2 60.6 91.0

87 22.6 17.8 26.8

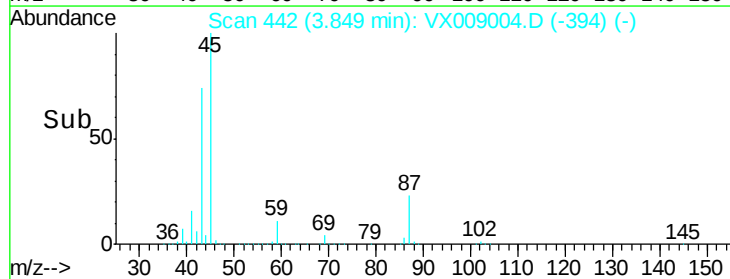
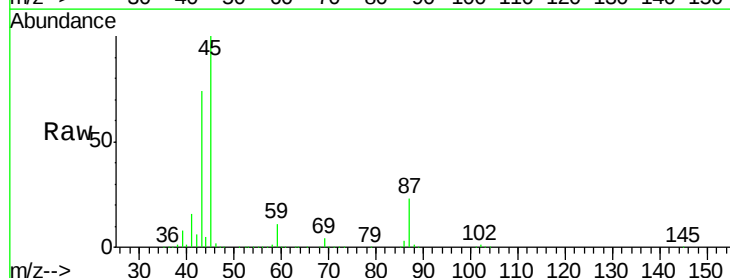
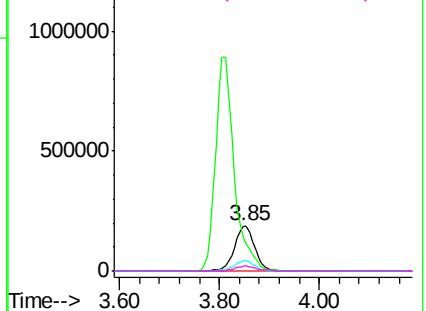
59 11.1 8.7 13.1

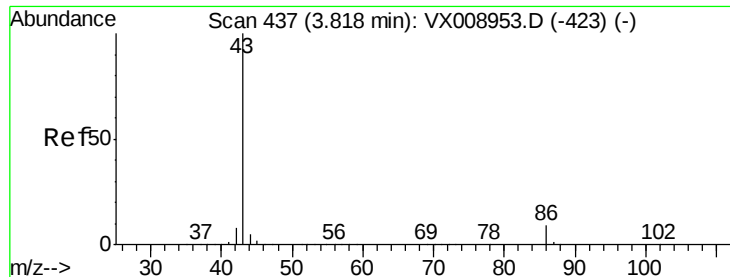
Abundance Ion 45.00 (44.70 to 45.70): VX0

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: 264.884 ug/l

RT: 3.81 min Scan# 435

Delta R.T. -0.01 min

Lab File: VX009004.D

Acq: 17 Apr 2019 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2316419

Ion Ratio Lower Upper

43 100

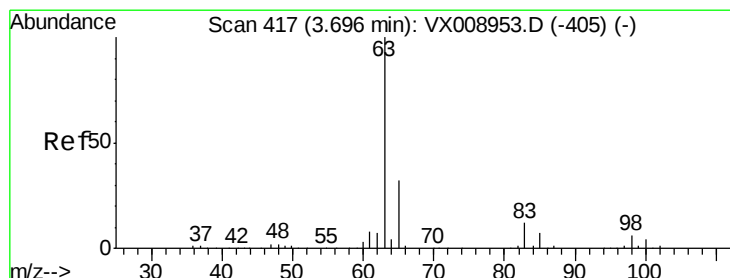
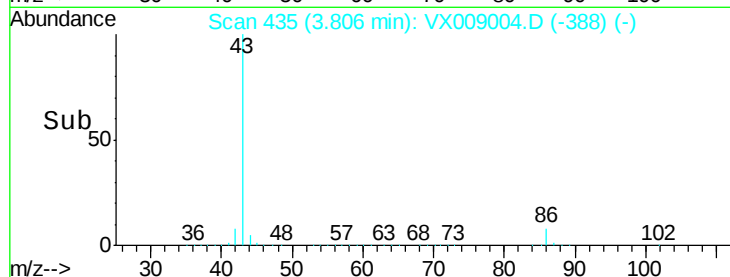
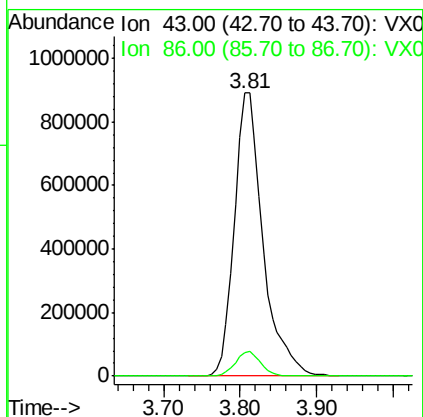
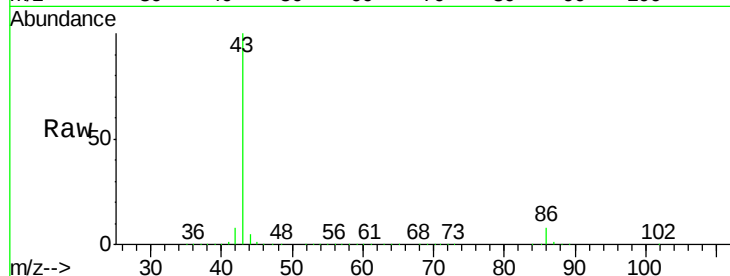
86 8.4 7.1 10.7

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 50.972 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.01 min

Lab File: VX009004.D

Acq: 17 Apr 2019 09:47

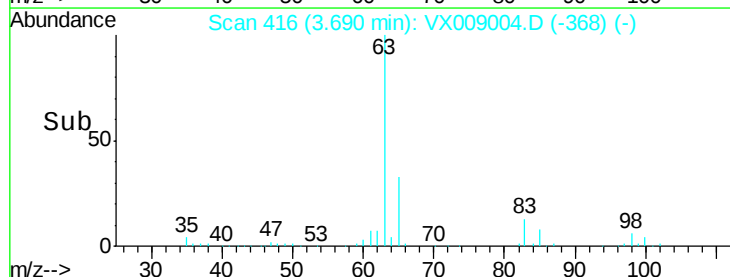
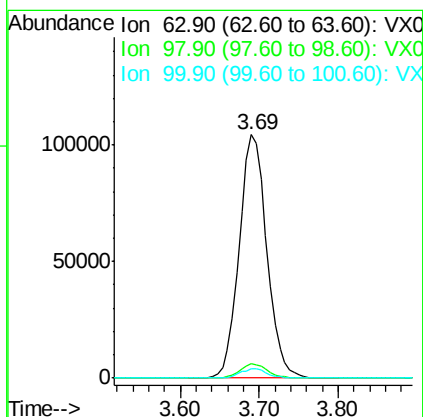
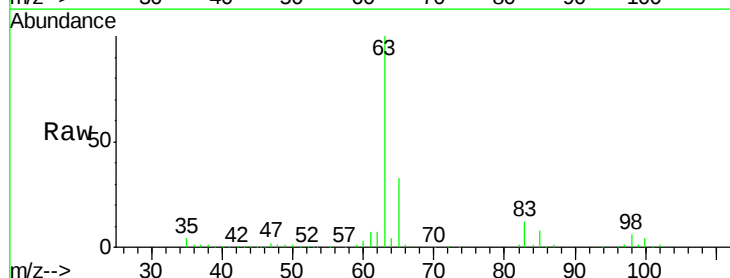
Tgt Ion: 63 Resp: 254552

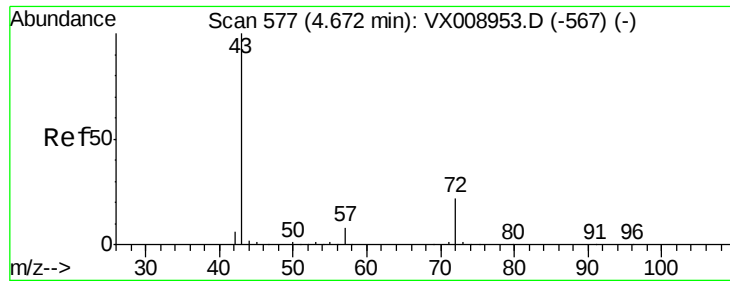
Ion Ratio Lower Upper

63 100

98 6.0 3.1 9.3

100 3.8 1.9 5.7





#25

2-Butanone

Concen: 263.740 ug/l

RT: 4.67 min Scan# 576

Delta R.T. -0.01 min

Lab File: VX009004.D

Acq: 17 Apr 2019 09:47

Tot Ion: 43 Resp: 674186

Ion Ratio Lower Upper

43 100

72 22.3 17.5 26.3

Instrument :

MSVOA_X

ClientSampled :

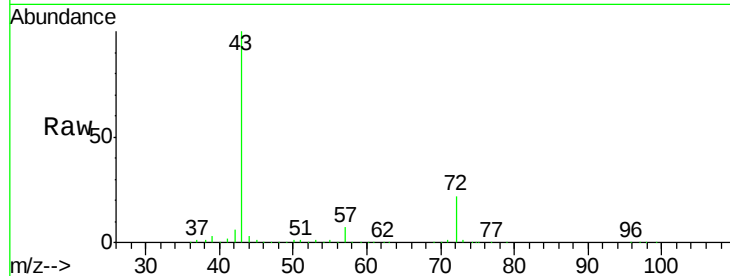
VSTDCCC050

Manual Integrations

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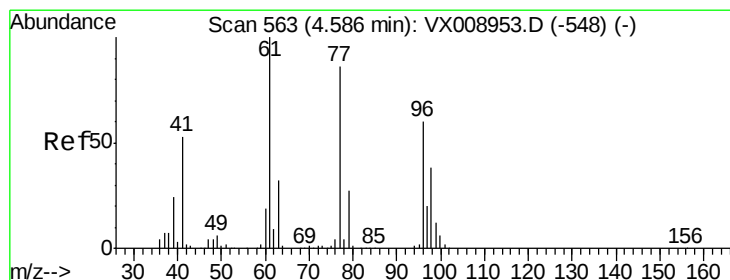
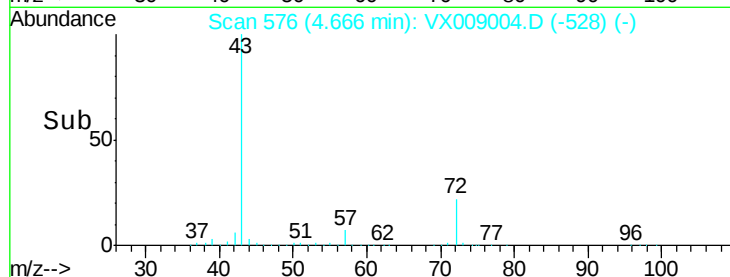
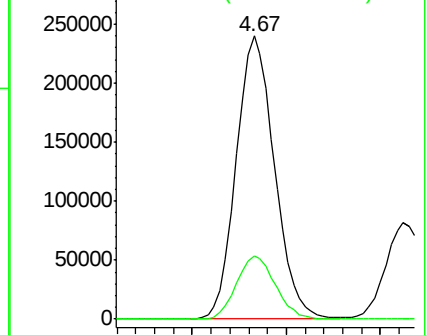
MMDadoda

4/18/2019 10:15:54 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 52.215 ug/l

RT: 4.57 min Scan# 561

Delta R.T. -0.01 min

Lab File: VX009004.D

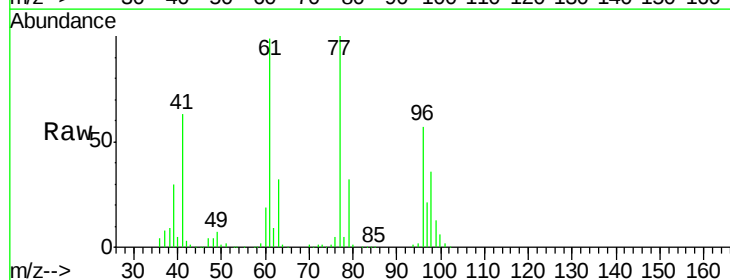
Acq: 17 Apr 2019 09:47

Tgt Ion: 77 Resp: 195461

Ion Ratio Lower Upper

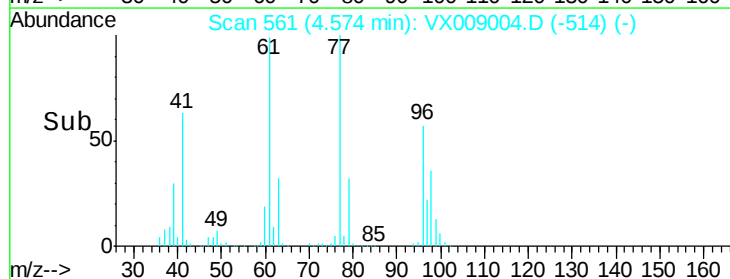
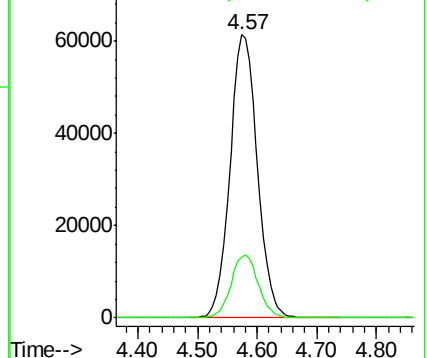
77 100

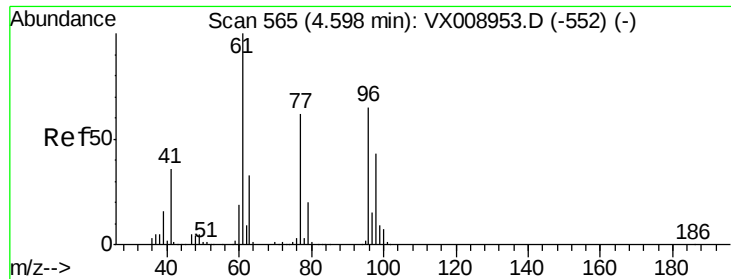
97 22.3 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

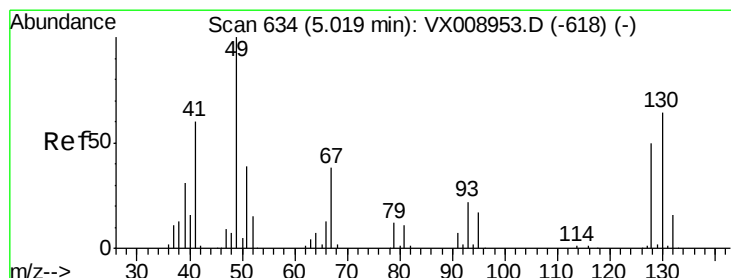
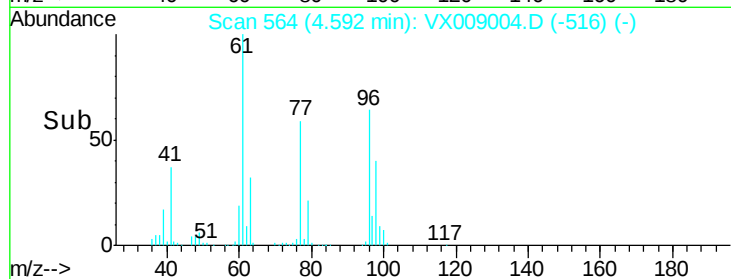
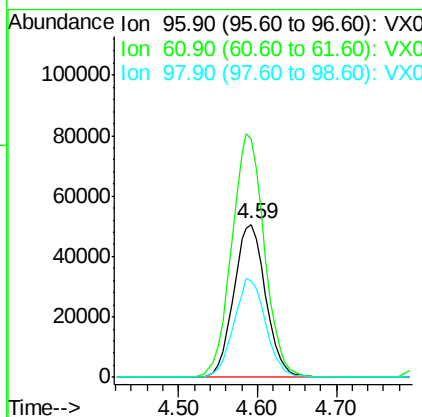
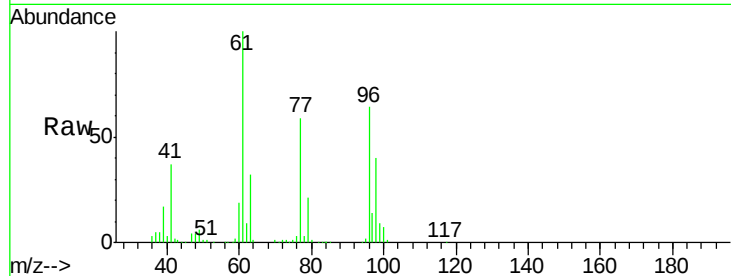
cis-1,2-Dichloroethene
Concen: 50.195 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX009004.D
Acq: 17 Apr 2019 09:47

Instrument :
MSVOA_X
ClientSampleID :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	142644		
61	163.0	0.0	322.0	
98	64.4	0.0	128.4	

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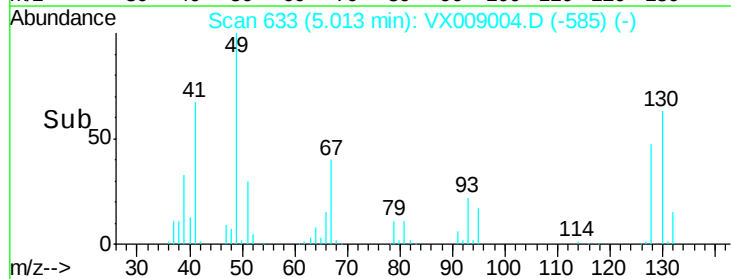
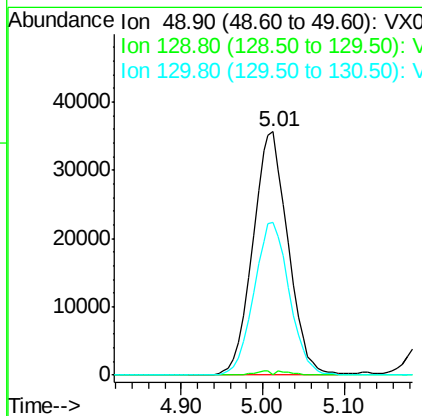
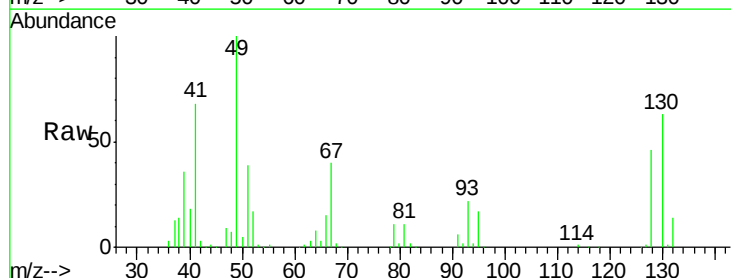
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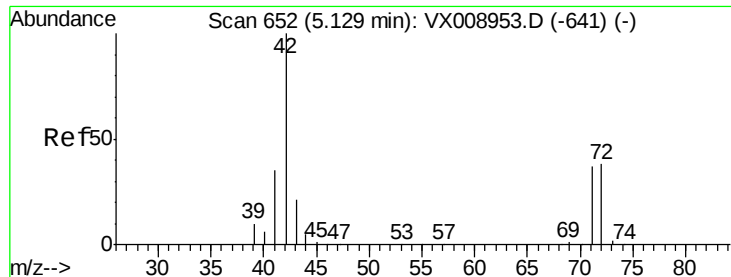


#28

Bromochloromethane
Concen: 51.651 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX009004.D
Acq: 17 Apr 2019 09:47

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	107007		
129	0.7	0.0	3.6	
130	62.8	50.4	75.6	





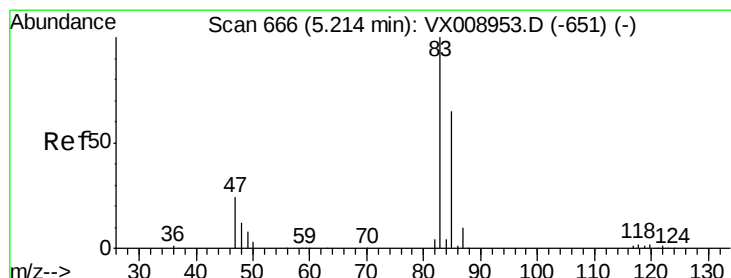
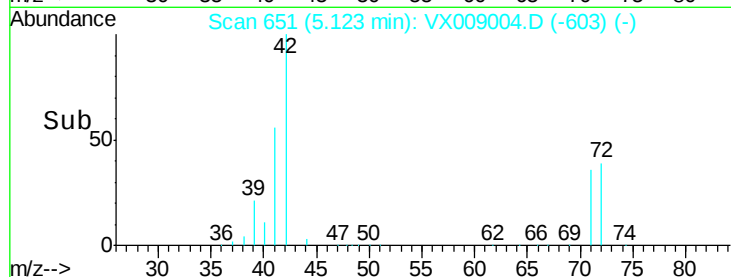
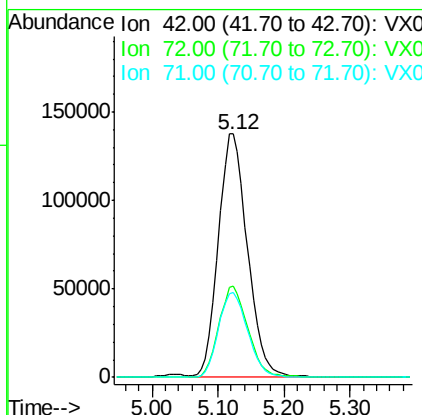
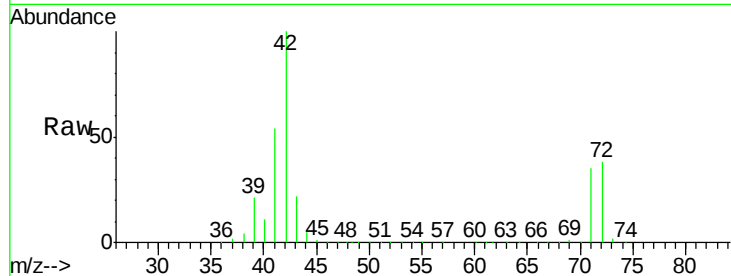
#29
Tetrahydrofuran
Concen: 244.811 ug/l
RT: 5.12 min Scan# 651
Delta R.T. -0.01 min
Lab File: VX009004.D
Acq: 17 Apr 2019 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.6	30.6	45.8
71	35.3	28.8	43.2

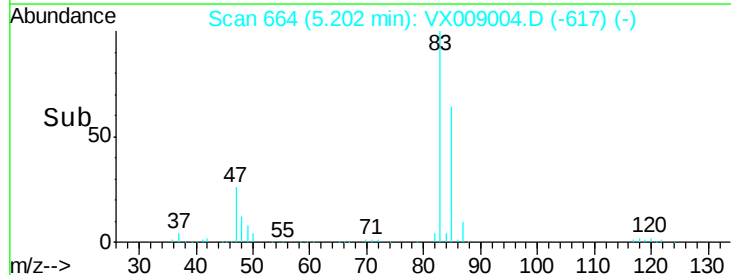
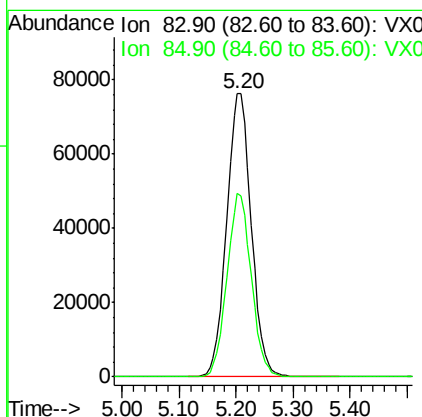
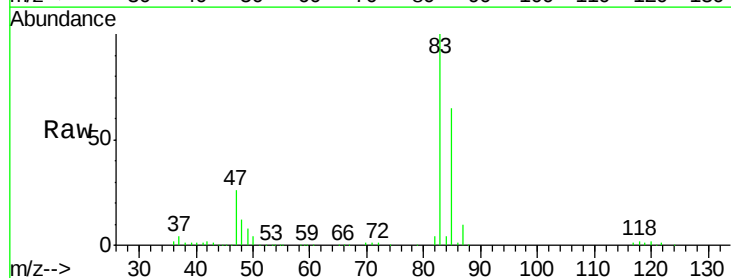
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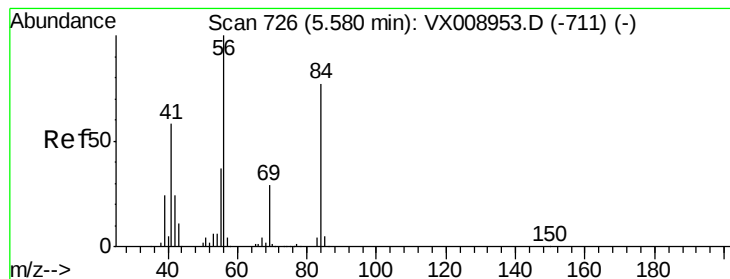
MMDadoda
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#30
Chloroform
Concen: 51.477 ug/l
RT: 5.20 min Scan# 664
Delta R.T. -0.01 min
Lab File: VX009004.D
Acq: 17 Apr 2019 09:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	51.9	77.9





#31

Cyclohexane

Concen: 52.816 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.01 min

Lab File: VX009004.D

Acq: 17 Apr 2019 09:47

Instrument :

MSVOA_X

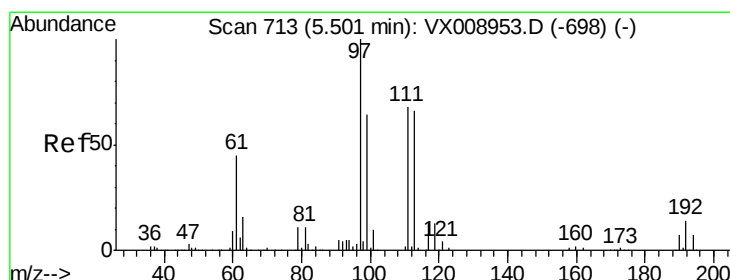
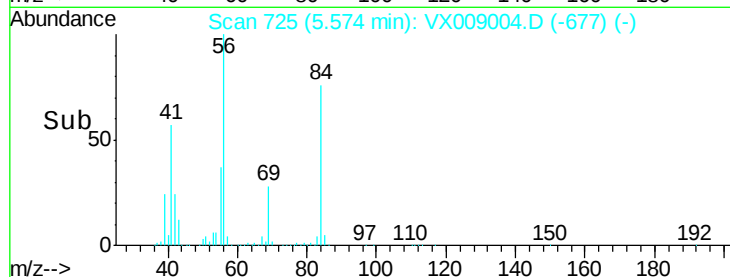
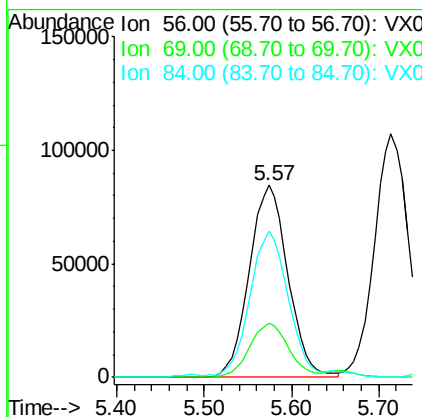
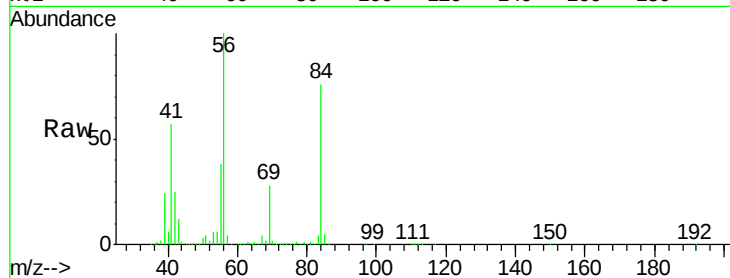
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	259421
Ion	Ratio	Lower	Upper
56	100		
69	28.4	23.3	34.9
84	74.7	61.7	92.5

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#32

1,1,1-Trichloroethane

Concen: 51.948 ug/l

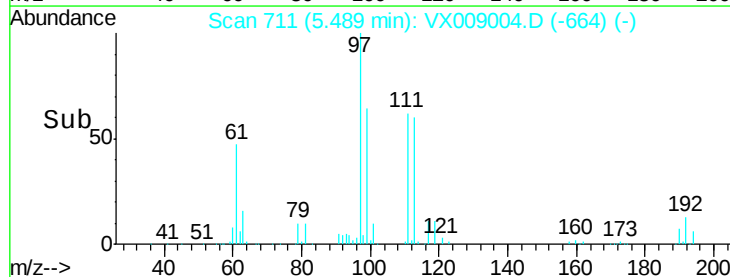
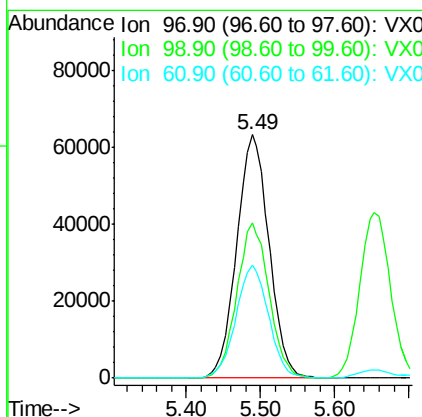
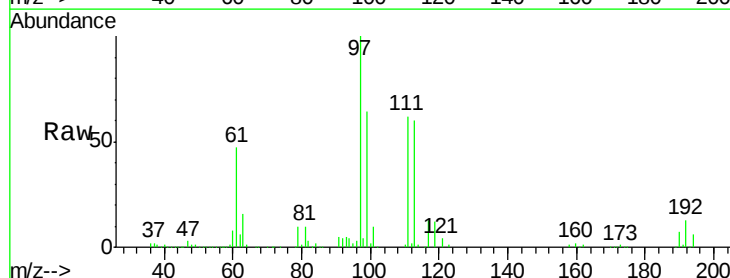
RT: 5.49 min Scan# 711

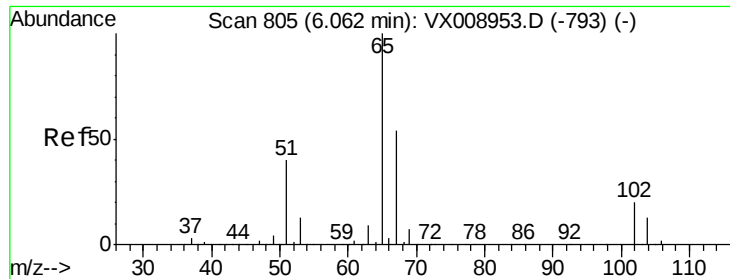
Delta R.T. -0.01 min

Lab File: VX009004.D

Acq: 17 Apr 2019 09:47

Tgt Ion:	97	Resp:	192404
Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.6	77.4
61	46.9	37.9	56.9





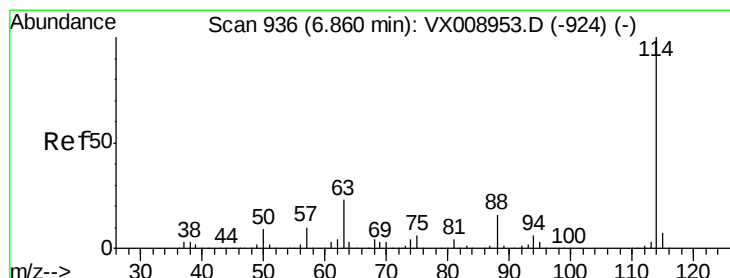
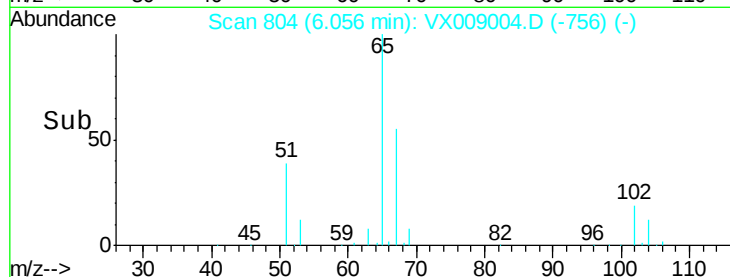
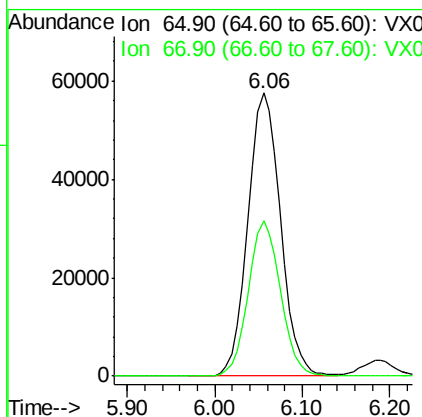
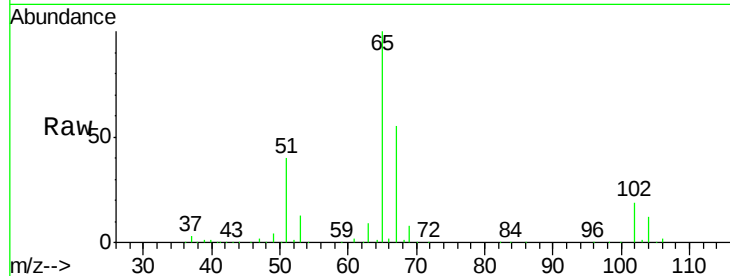
#33
 1,2-Dichloroethane-d4
 Concen: 48.579 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. -0.01 min
 Lab File: VX009004.D
 Acq: 17 Apr 2019 09:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 65 Resp: 149810
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 108.6

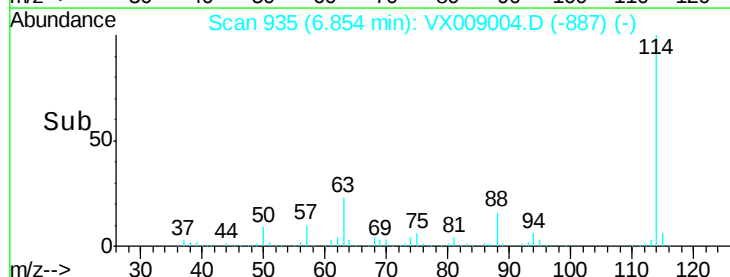
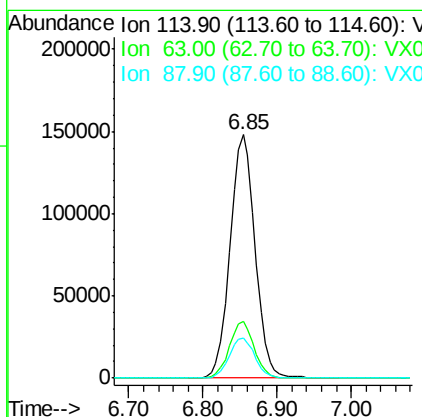
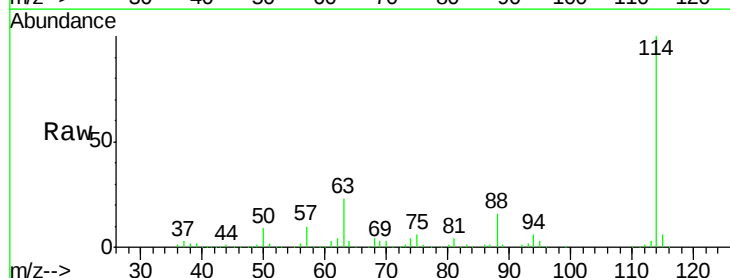
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX009004.D
 Acq: 17 Apr 2019 09:47

Tgt Ion: 114 Resp: 348048
 Ion Ratio Lower Upper
 114 100
 63 23.3 0.0 46.0
 88 16.4 0.0 32.6





#35

Dibromofluoromethane

Concen: 49.955 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX009004.D

Acq: 17 Apr 2019 09:47

Instrument :

MSVOA_X

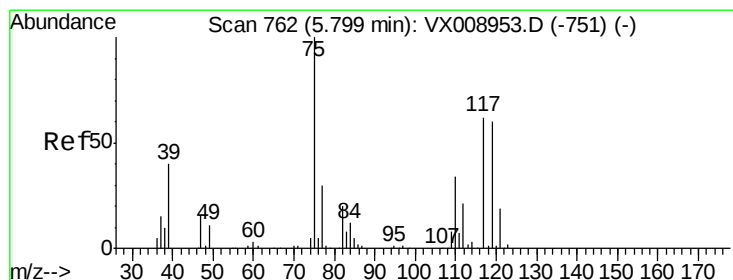
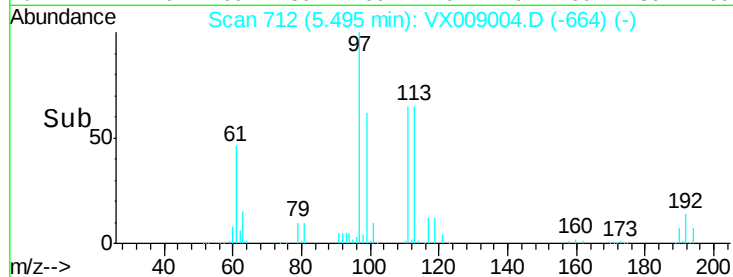
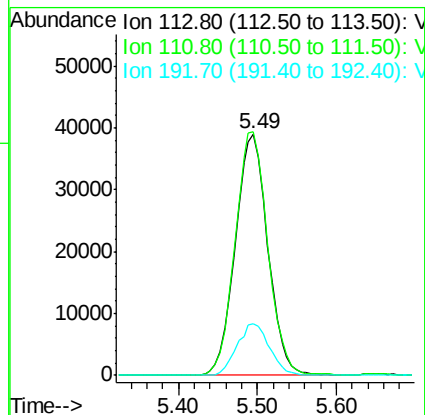
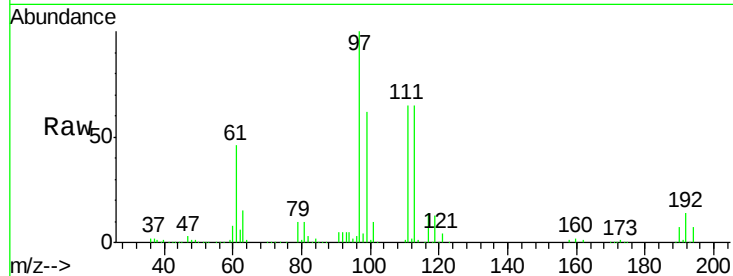
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	111583		
111	101.6	82.9	124.3	
192	21.3	17.4	26.0	

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#36

1,1-Dichloropropene

Concen: 51.480 ug/l

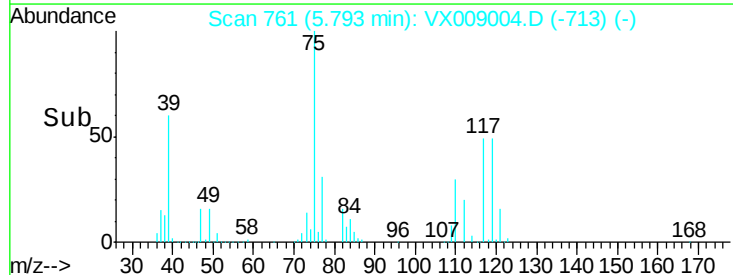
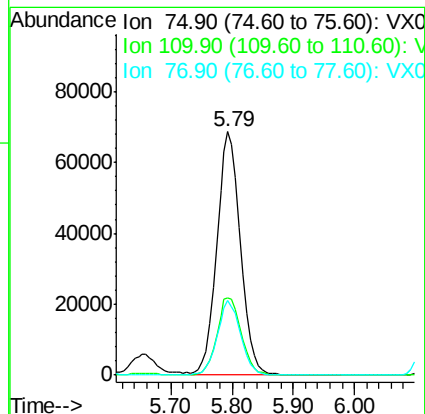
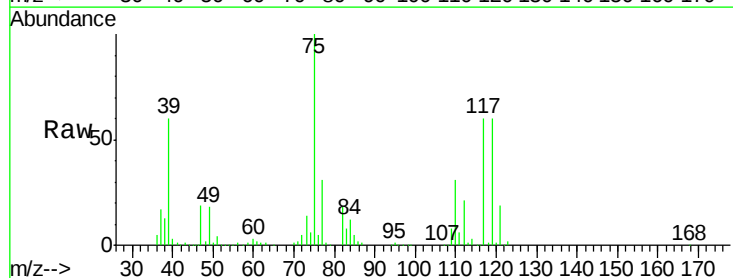
RT: 5.79 min Scan# 761

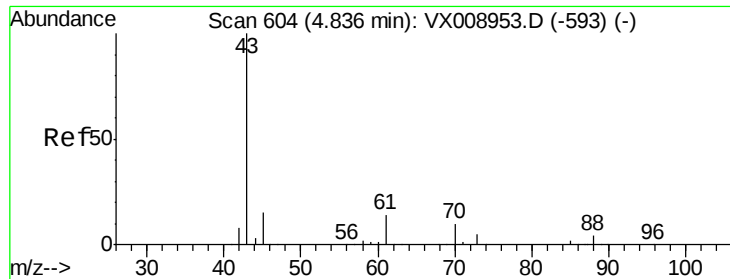
Delta R.T. -0.01 min

Lab File: VX009004.D

Acq: 17 Apr 2019 09:47

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	185307		
110	32.8	16.9	50.7	
77	30.4	25.0	37.4	





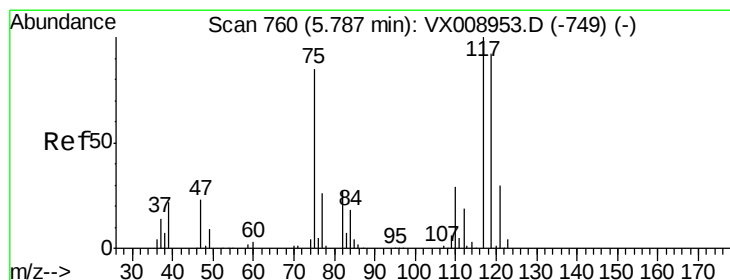
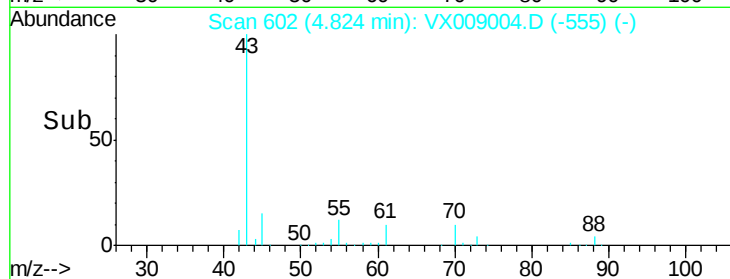
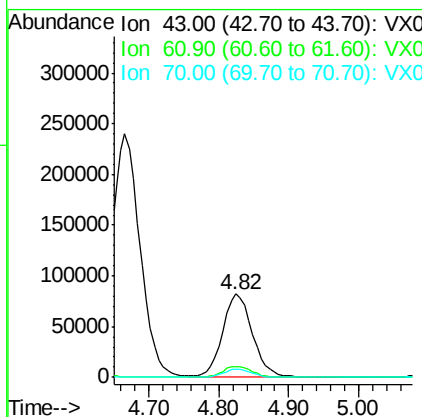
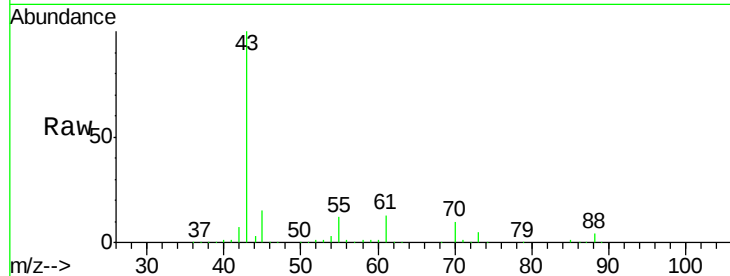
#37
Ethyl Acetate
Concen: 52.417 ug/l
RT: 4.82 min Scan# 602
Delta R.T. -0.01 min
Lab File: VX009004.D
Acq: 17 Apr 2019 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	43	61	70	Resp	Lower	Upper
242786	100	12.9	9.6			
		10.6	7.7			
		15.8	11.5			

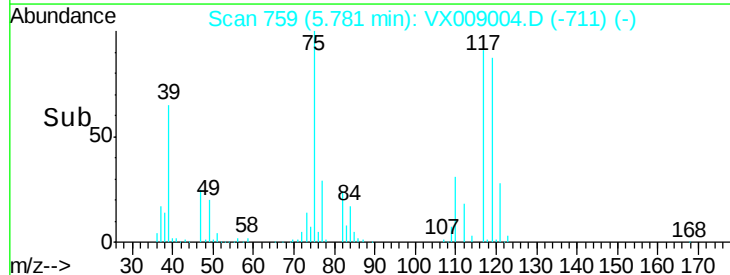
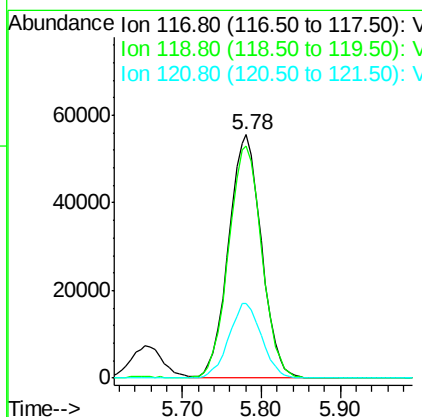
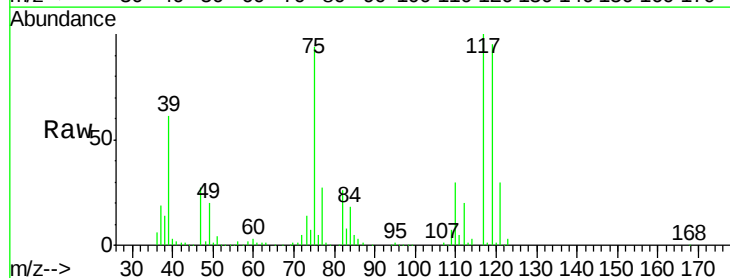
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#38
Carbon Tetrachloride
Concen: 52.734 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX009004.D
Acq: 17 Apr 2019 09:47

Tgt Ion	117	119	121	Resp	Lower	Upper
160922	100	95.2	30.4			
		73.8	23.6			
		110.8	35.4			





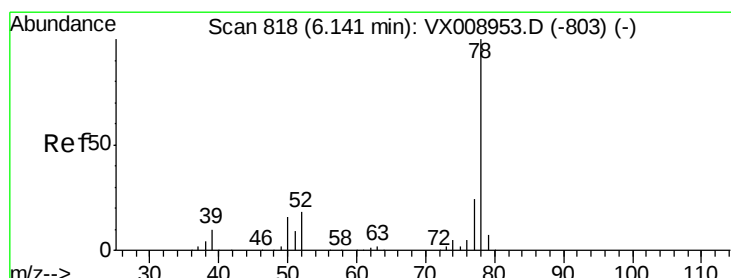
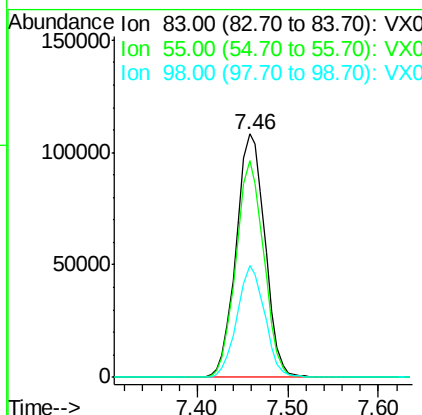
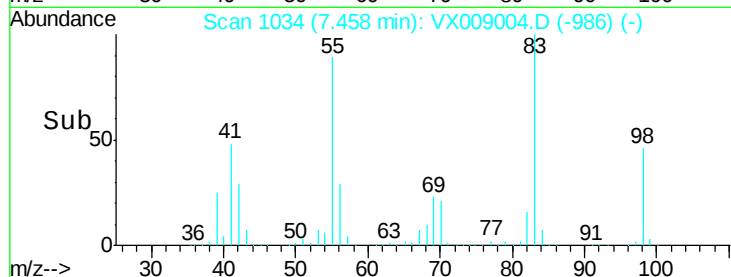
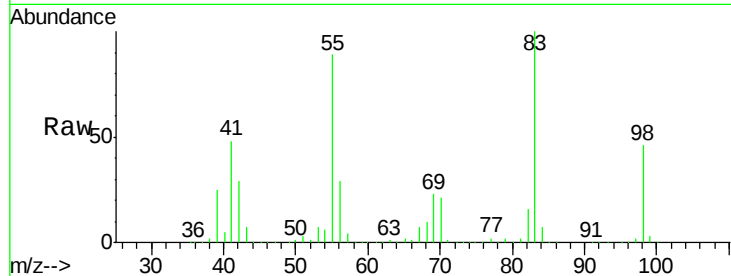
#39
Methylvlcvclohexane
Concen: 54.388 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX009004.D
Acq: 17 Apr 2019 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	88.8	67.1	100.7
98	45.8	35.1	52.7

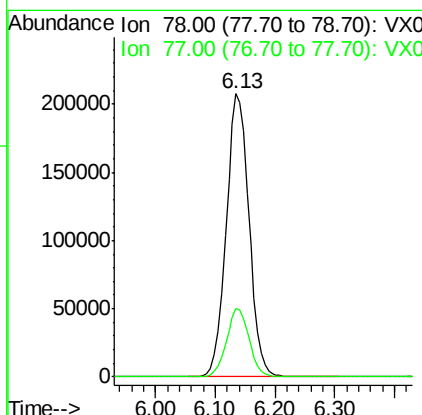
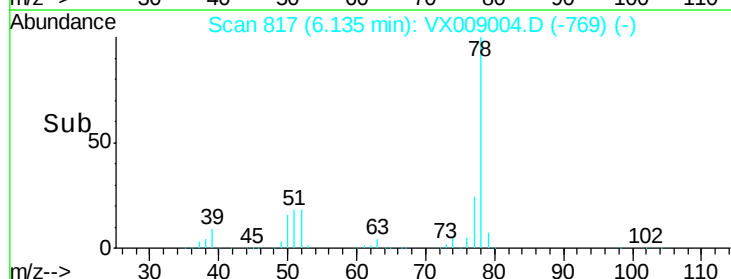
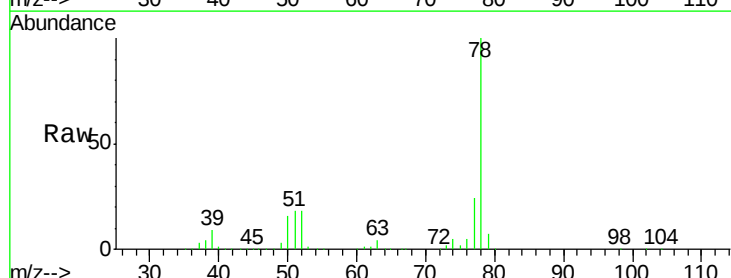
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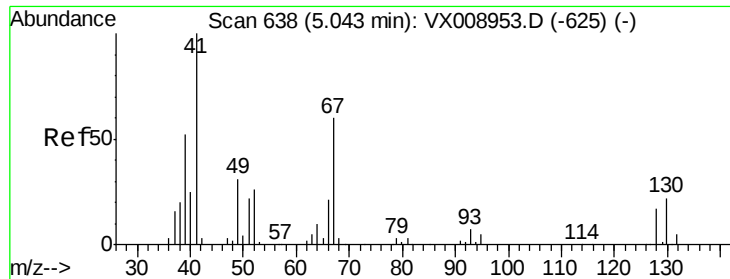
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#40
Benzene
Concen: 51.907 ug/l
RT: 6.13 min Scan# 817
Delta R.T. -0.01 min
Lab File: VX009004.D
Acq: 17 Apr 2019 09:47

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.0	28.6





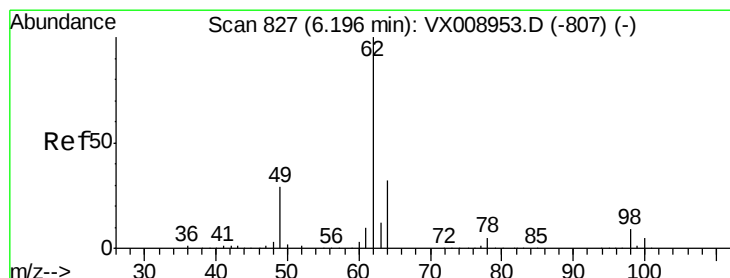
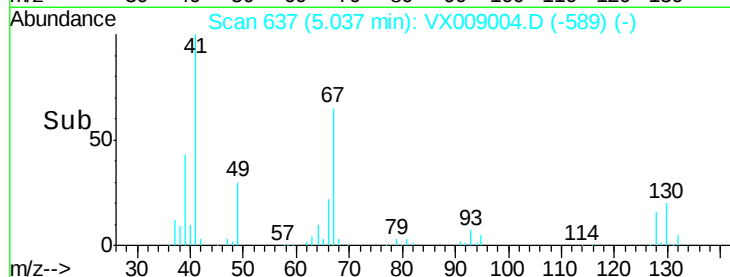
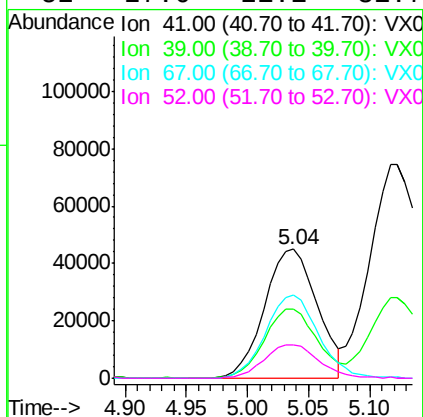
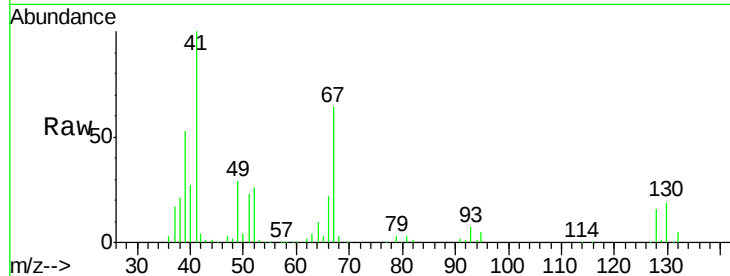
#41
Methacrylonitrile
Concen: 50.575 ug/l
RT: 5.04 min Scan# 637
Delta R.T. -0.01 min
Lab File: VX009004.D
Acq: 17 Apr 2019 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.5	41.8	62.6	
67	65.1	50.2	75.4	
52	27.6	21.1	31.7	

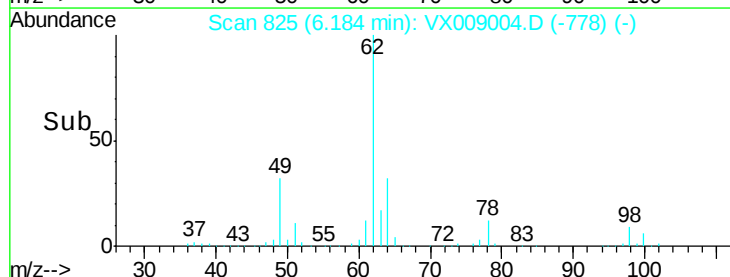
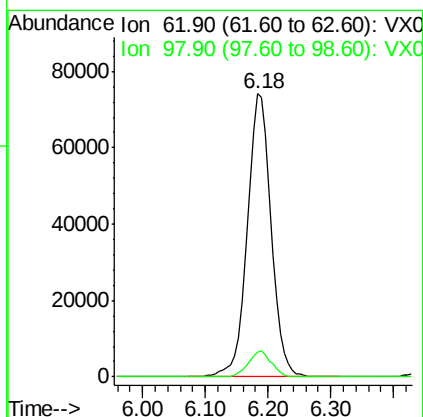
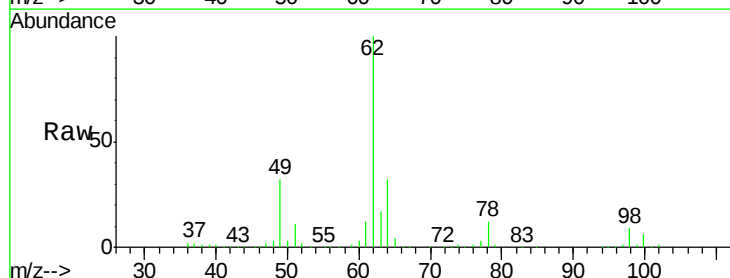
Manual Integrations
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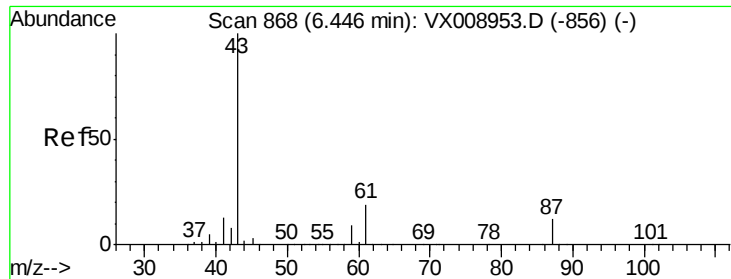
MMDadoda
4/18/2019 10:15:54 AM



#42
1,2-Dichloroethane
Concen: 51.843 ug/l
RT: 6.18 min Scan# 825
Delta R.T. -0.01 min
Lab File: VX009004.D
Acq: 17 Apr 2019 09:47

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.8	0.0	18.4	





#43

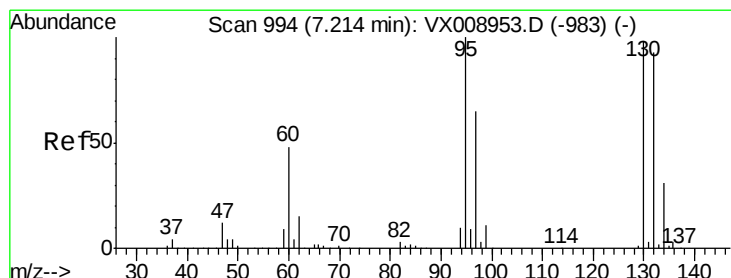
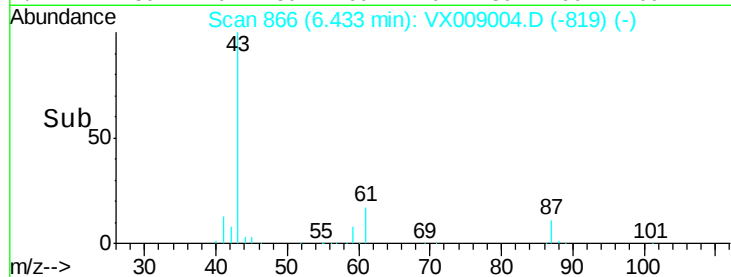
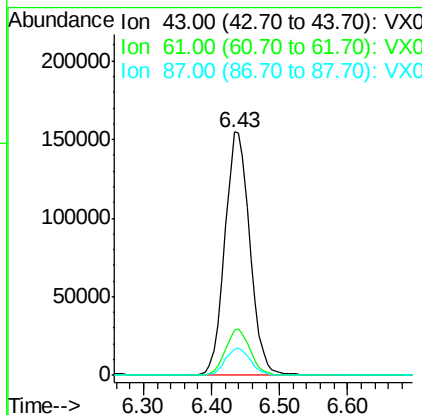
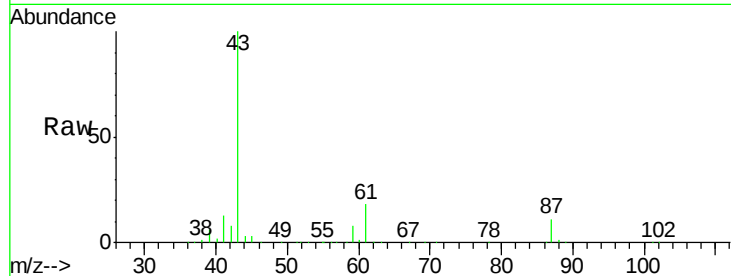
Isopropyl Acetate
 Concen: 52.697 ug/l
 RT: 6.43 min Scan# 866
 Delta R.T. -0.01 min
 Lab File: VX009004.D
 Acq: 17 Apr 2019 09:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.9	15.4	23.0
87	11.1	9.0	13.4

Manual Integrations
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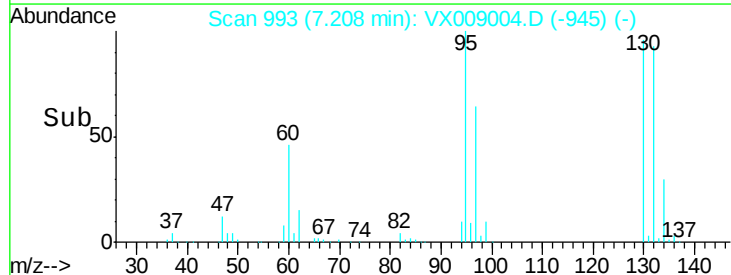
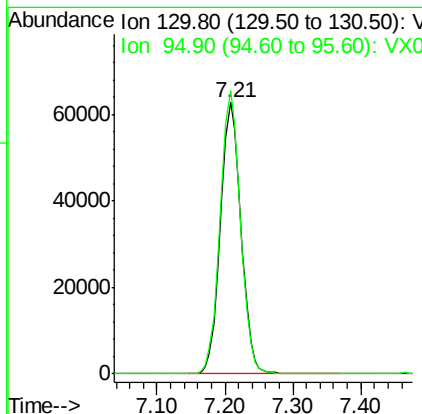
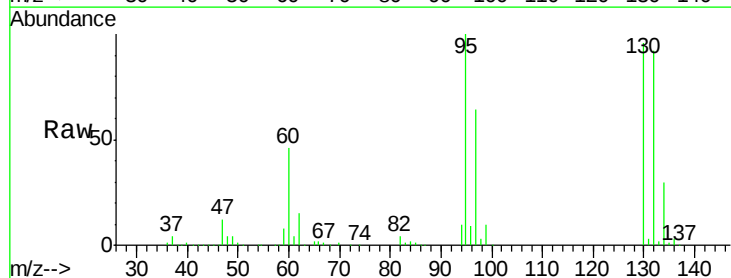
MMDadoda
 4/18/2019 10:15:54 AM

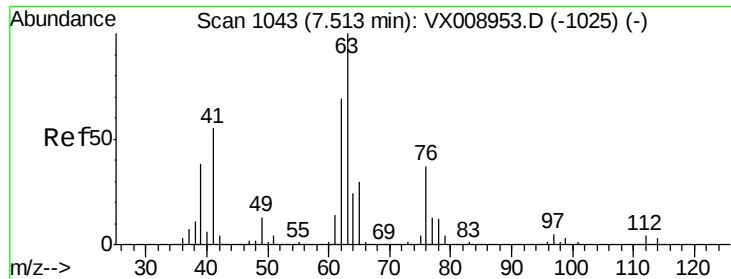


#44

Trichloroethene
 Concen: 50.742 ug/l
 RT: 7.21 min Scan# 993
 Delta R.T. -0.01 min
 Lab File: VX009004.D
 Acq: 17 Apr 2019 09:47

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.2	0.0	203.2





#45

1,2-Dichloropropane

Concen: 53.387 ug/l

RT: 7.51 min Scan# 1042

Delta R.T. -0.01 min

Lab File: VX009004.D

Acq: 17 Apr 2019 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 157277

Ion Ratio Lower Upper

63 100

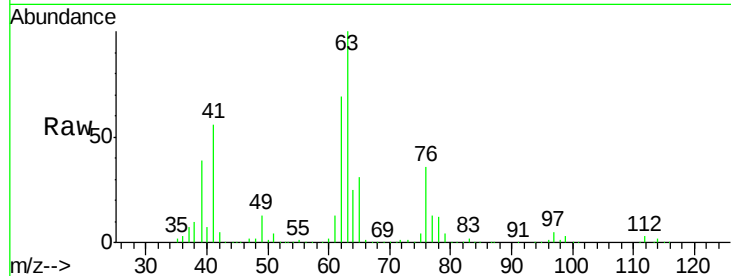
65 30.5 24.1 36.1

Manual Integrations

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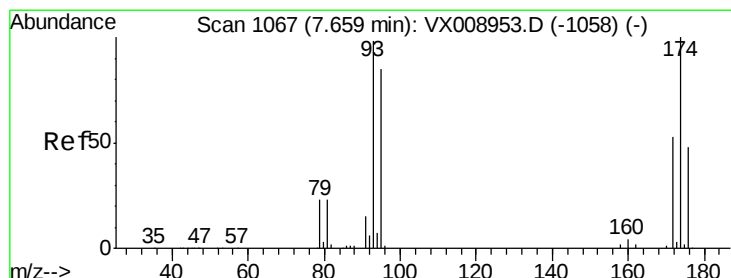
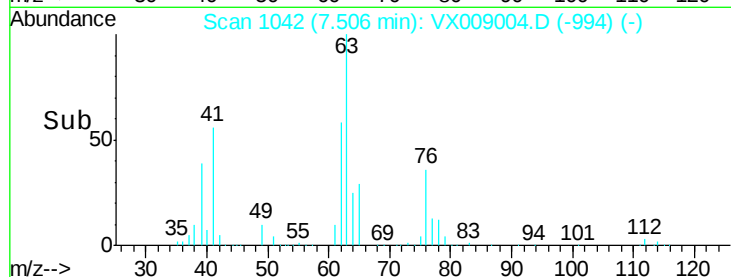
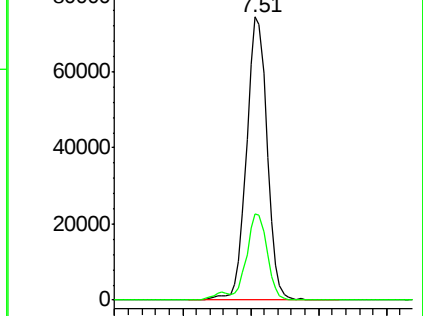
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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 51.223 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX009004.D

Acq: 17 Apr 2019 09:47

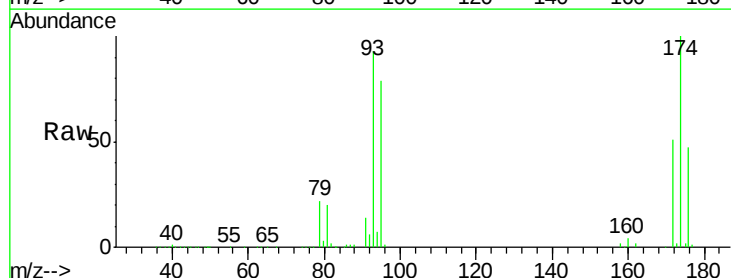
Tgt Ion: 93 Resp: 87821

Ion Ratio Lower Upper

93 100

95 83.9 67.0 100.4

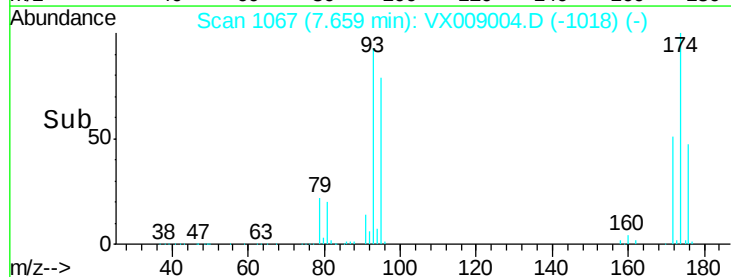
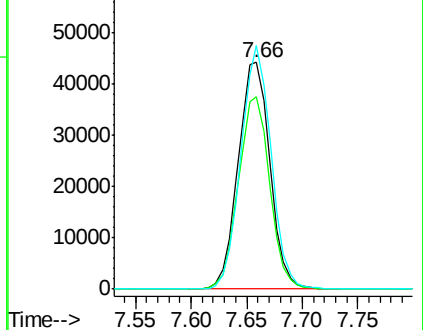
174 102.1 81.6 122.4

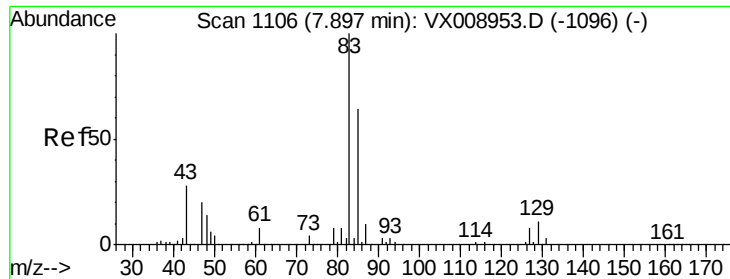


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 52.873 ug/l

RT: 7.89 min Scan# 1105

Delta R.T. -0.01 min

Lab File: VX009004.D

Acq: 17 Apr 2019 09:47

Instrument :

MSVOA_X

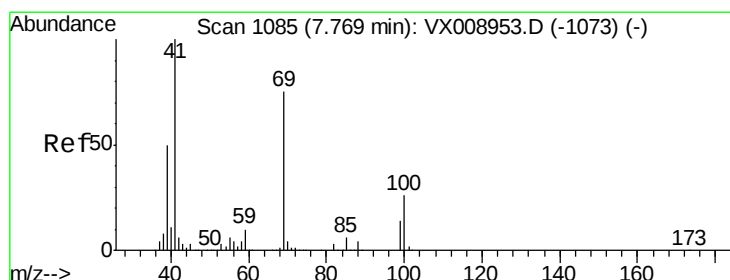
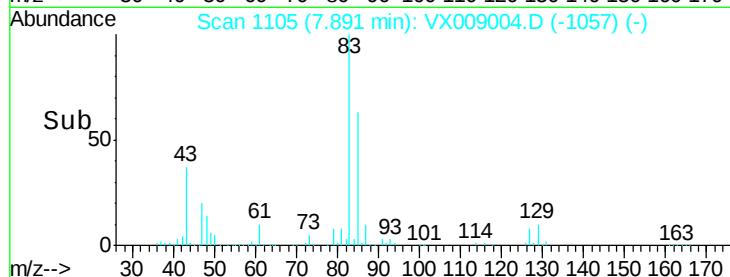
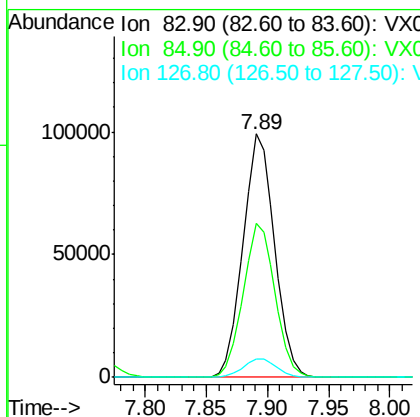
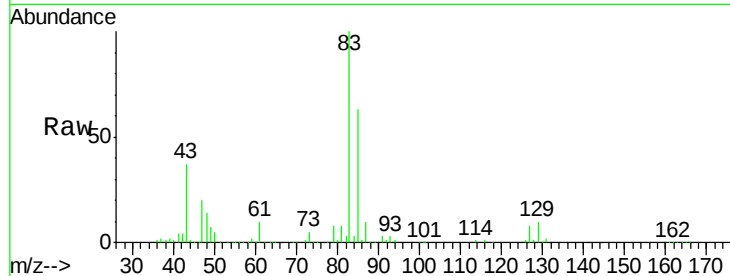
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	177797
Ion Ratio	Lower	Upper	
83	100		
85	63.2	50.8	76.2
127	7.6	6.4	9.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 53.404 ug/l

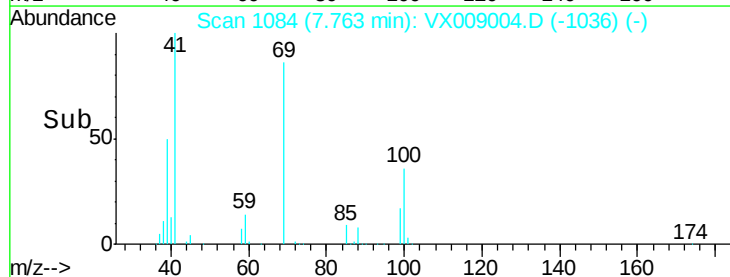
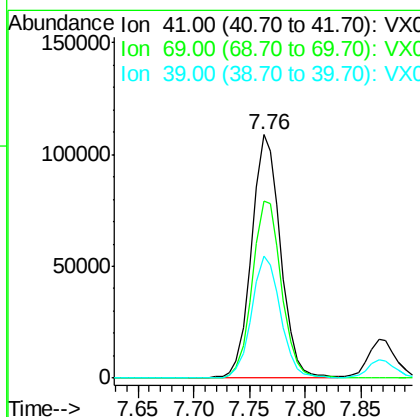
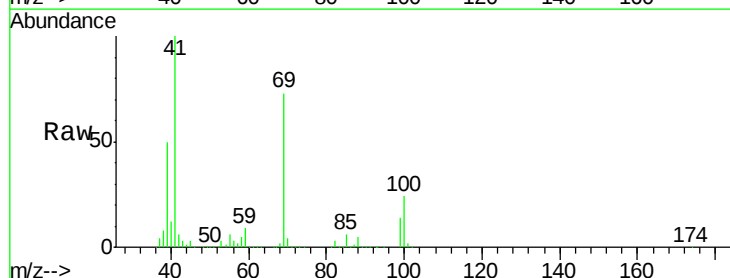
RT: 7.76 min Scan# 1084

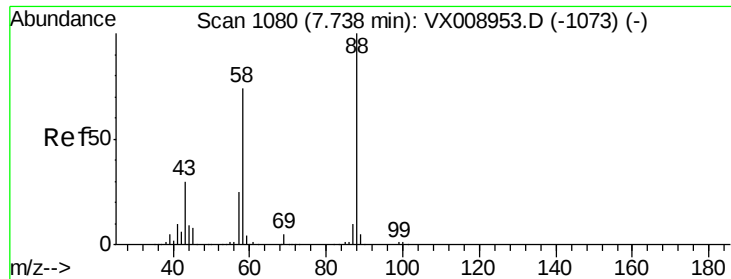
Delta R.T. -0.01 min

Lab File: VX009004.D

Acq: 17 Apr 2019 09:47

Tgt Ion:	41	Resp:	196961
Ion Ratio	Lower	Upper	
41	100		
69	74.1	59.4	89.2
39	50.1	39.8	59.6





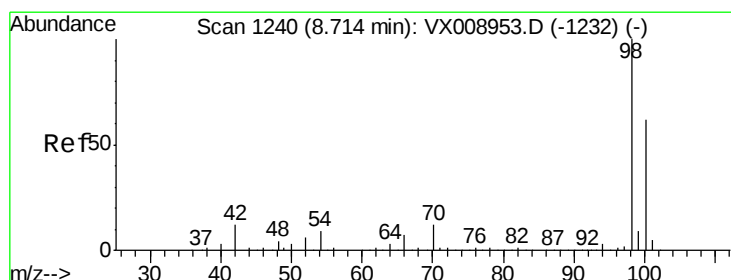
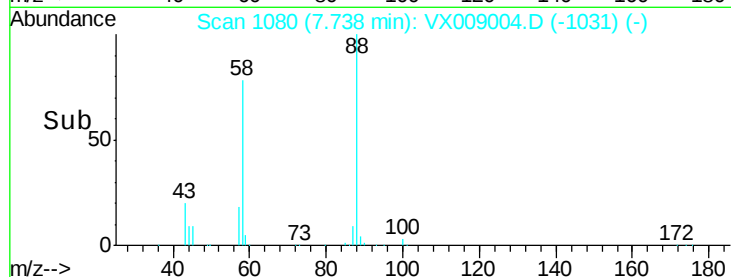
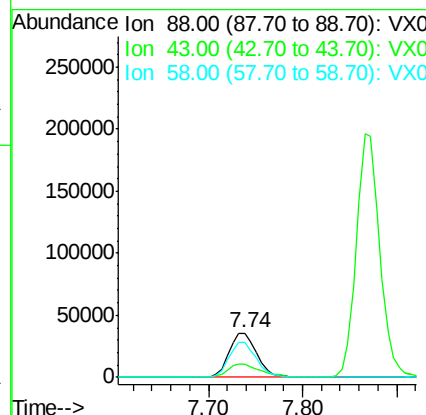
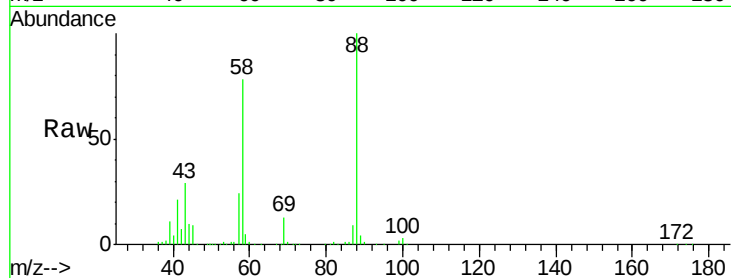
#49
1,4-Dioxane
Concen: 1043.959 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX009004.D
Acq: 17 Apr 2019 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.7	29.3	43.9
58	80.9	62.6	93.8

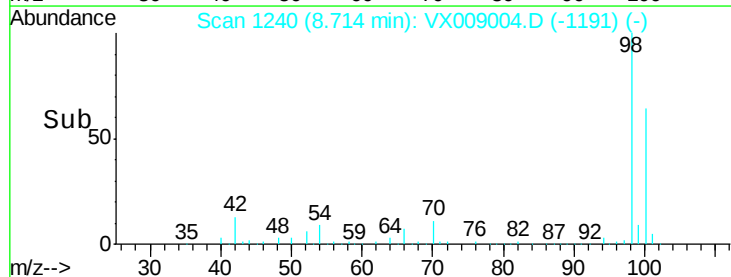
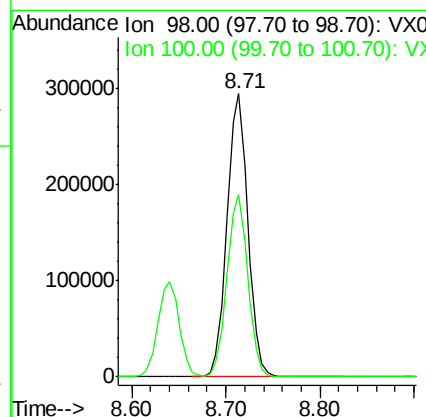
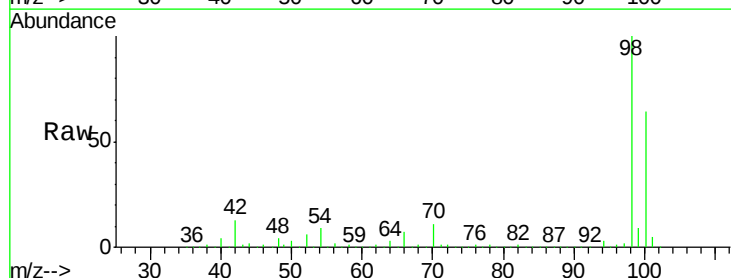
Manual Integrations
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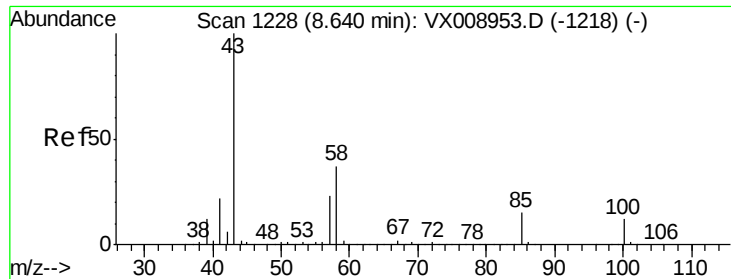
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#50
Toluene-d8
Concen: 50.762 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009004.D
Acq: 17 Apr 2019 09:47

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.4	77.2





#51

4-Methyl-2-Pentanone

Concen: 266.740 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX009004.D

Acq: 17 Apr 2019 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1268419

Ion Ratio Lower Upper

43 100

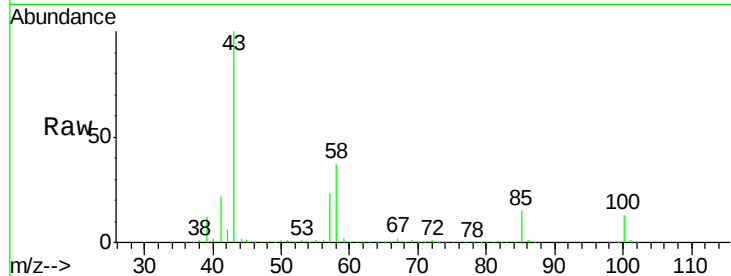
58 36.8 29.8 44.6

Manual Integrations

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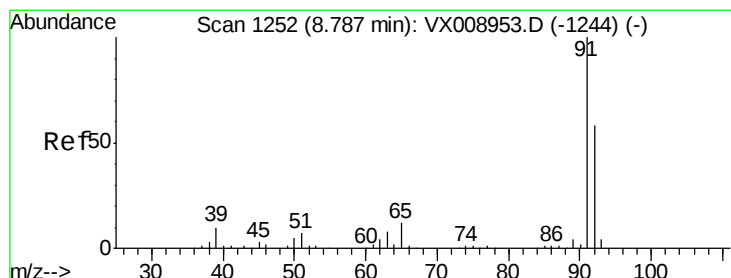
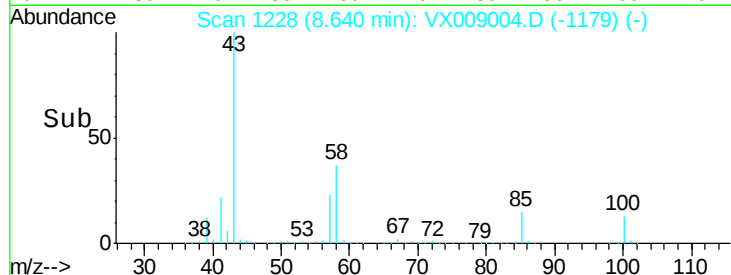
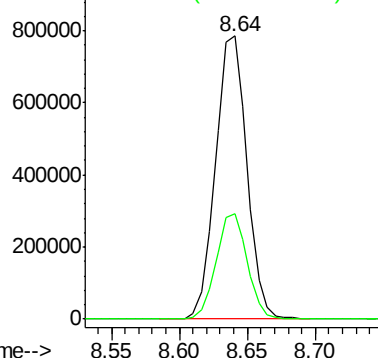
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 52.614 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX009004.D

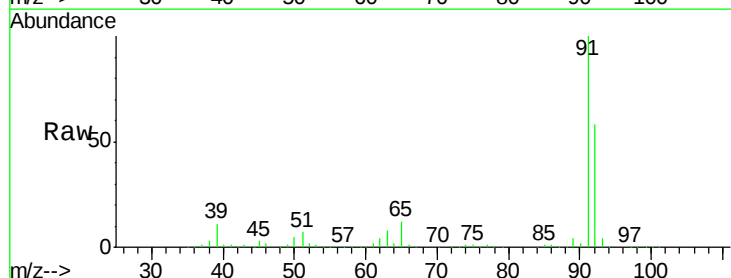
Acq: 17 Apr 2019 09:47

Tgt Ion: 92 Resp: 334843

Ion Ratio Lower Upper

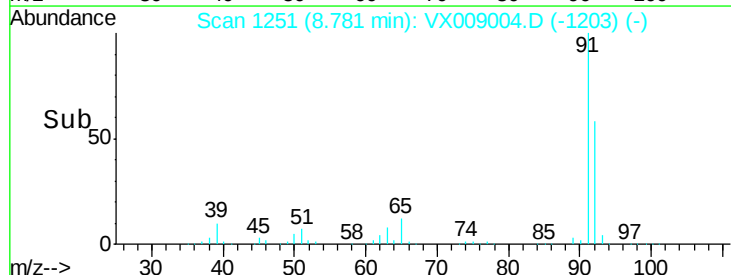
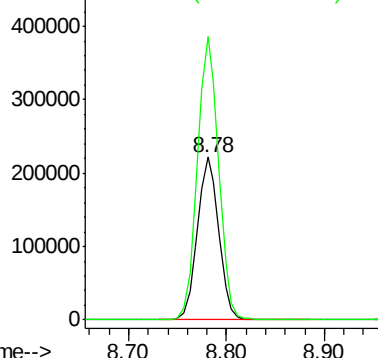
92 100

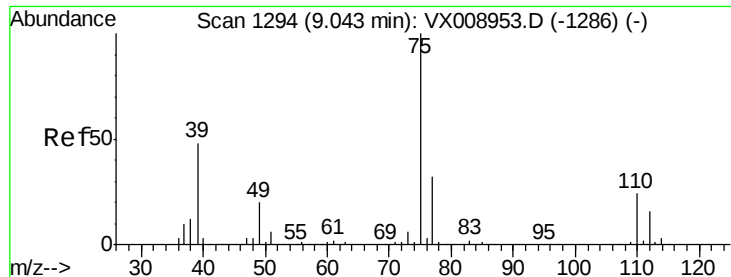
91 173.5 138.5 207.7



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





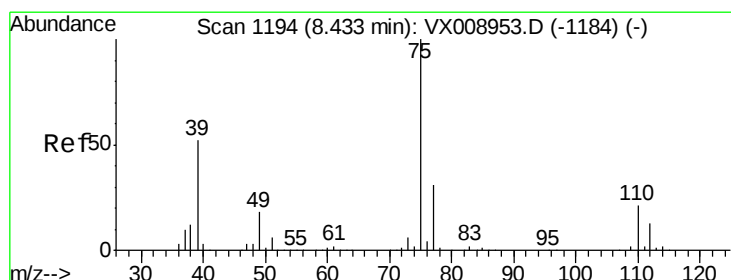
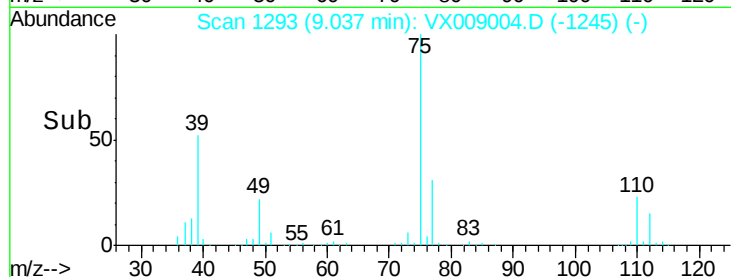
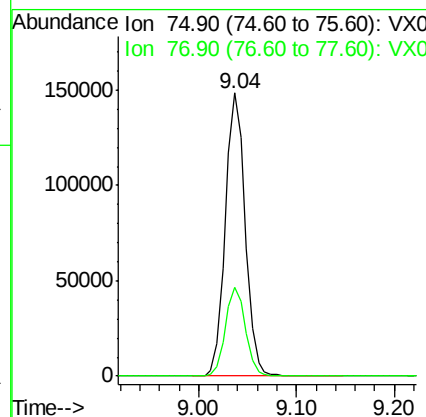
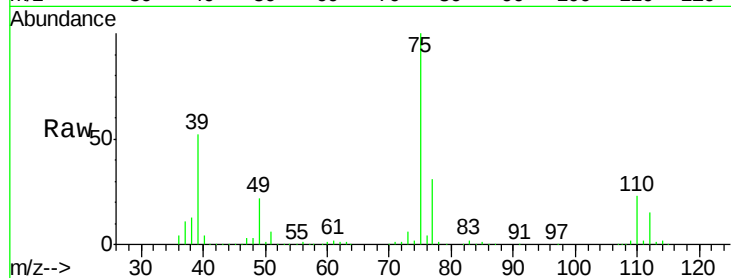
#53
t-1,3-Dichloropropene
Concen: 54.276 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. -0.01 min
Lab File: VX009004.D
Acq: 17 Apr 2019 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 210050
Ion Ratio Lower Upper
75 100
77 31.4 25.4 38.2

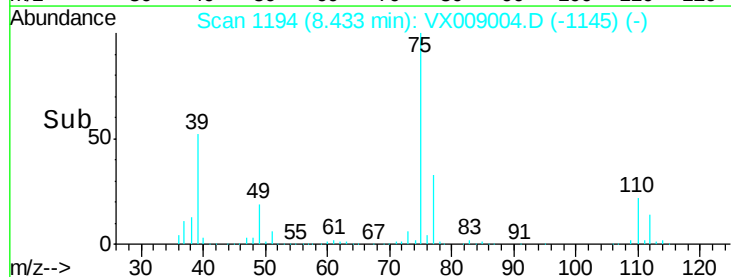
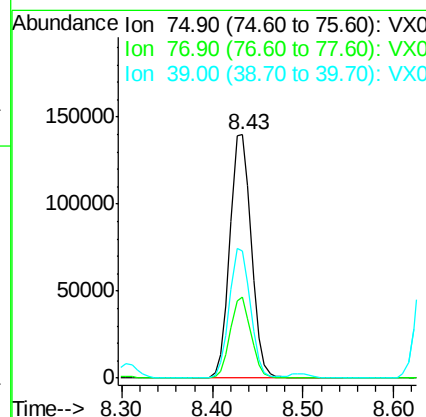
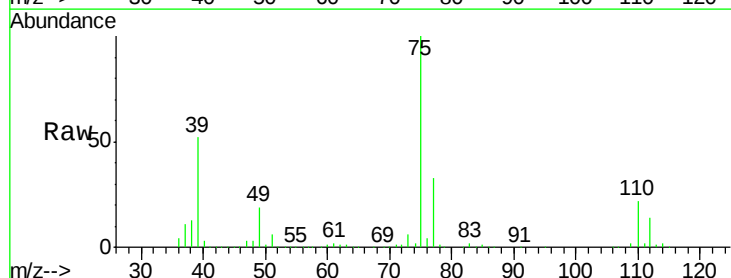
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#54
cis-1,3-Dichloropropene
Concen: 53.459 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX009004.D
Acq: 17 Apr 2019 09:47

Tgt Ion: 75 Resp: 231660
Ion Ratio Lower Upper
75 100
77 33.3 24.8 37.2
39 52.0 41.8 62.6





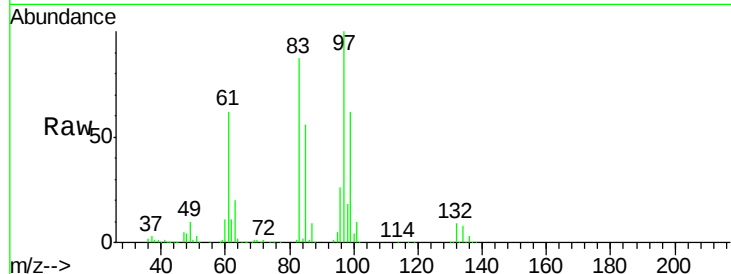
#55
 1,1,2-Trichloroethane
 Concen: 52.803 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX009004.D
 Acq: 17 Apr 2019 09:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

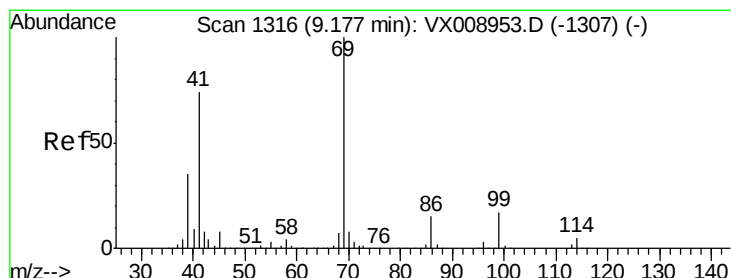
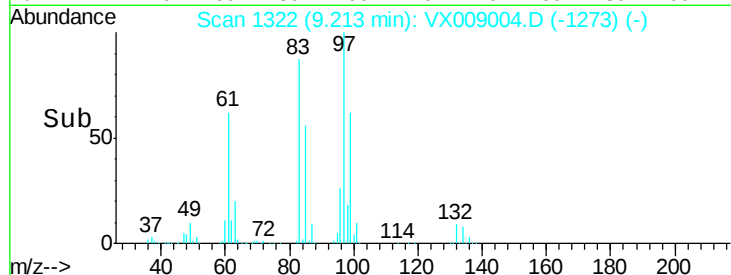
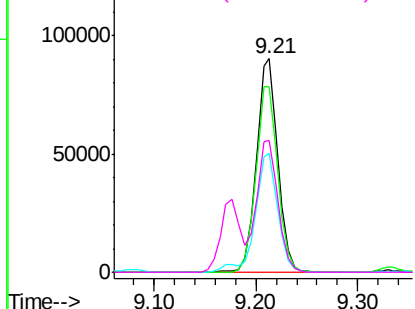
Tot Ion:	97	Resp:	133185
Ion	Ratio	Lower	Upper
97	100		
83	87.1	72.6	108.8
85	55.9	46.9	70.3
99	61.8	51.0	76.6

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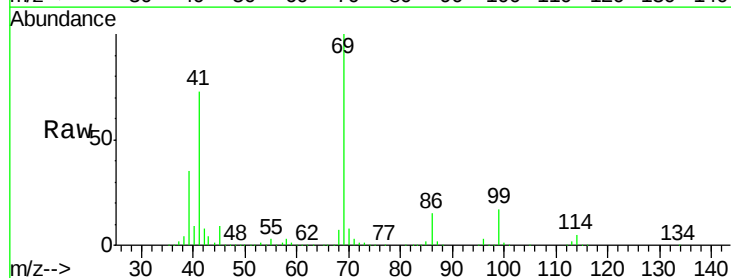


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

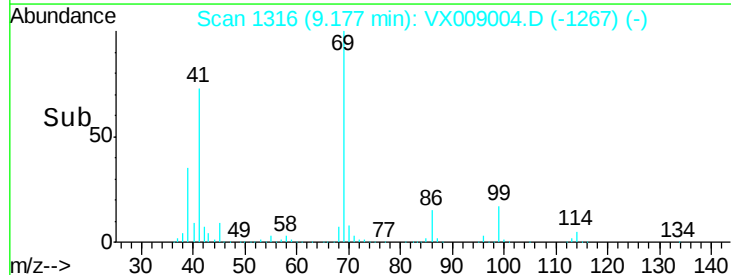
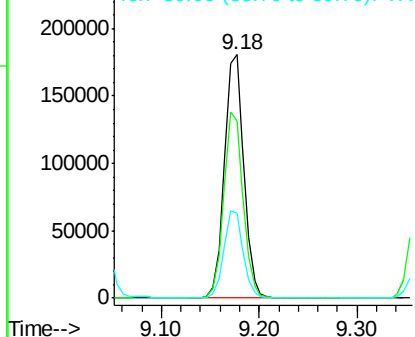


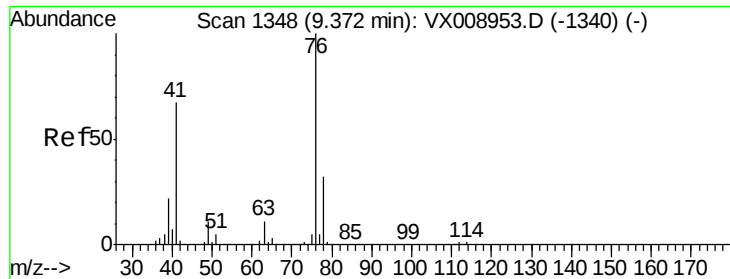
#56
 Ethyl methacrylate
 Concen: 55.098 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX009004.D
 Acq: 17 Apr 2019 09:47

Tgt Ion:	69	Resp:	249193
Ion	Ratio	Lower	Upper
69	100		
41	75.5	60.2	90.2
39	35.4	27.9	41.9



Abundance Ion 69.00 (68.70 to 69.70): VX0
 Ion 41.00 (40.70 to 41.70): VX0
 Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 52.393 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. -0.01 min

Lab File: VX009004.D

Acq: 17 Apr 2019 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 235292

Ion Ratio Lower Upper

76 100

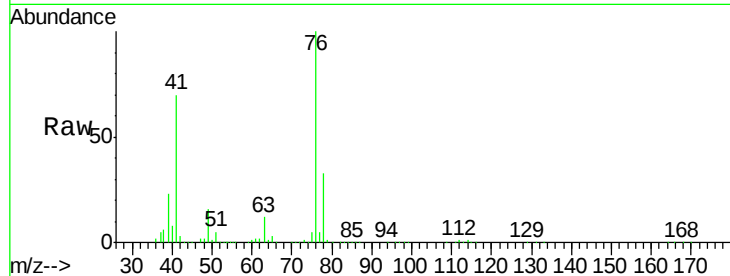
78 32.1 25.7 38.5

Manual Integrations

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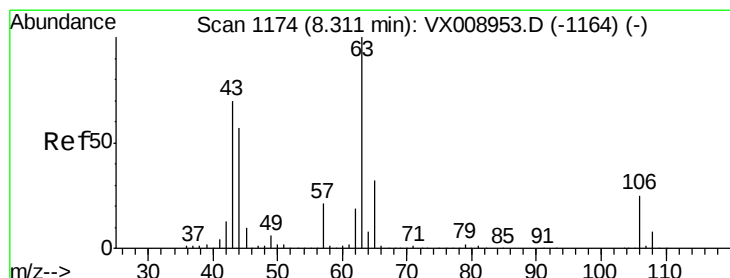
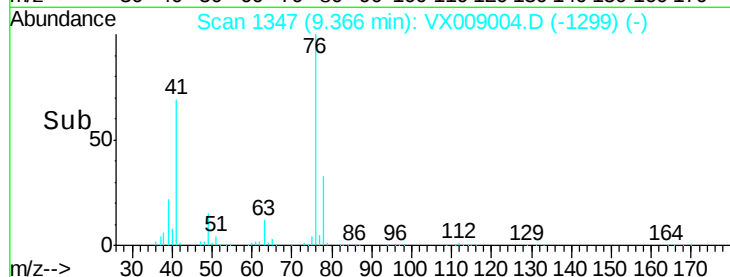
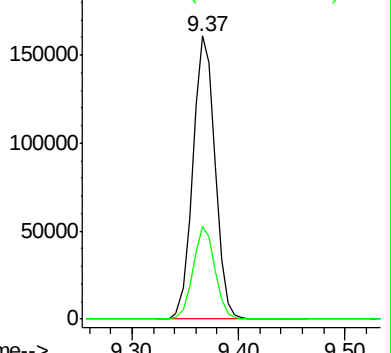
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 268.889 ug/l

RT: 8.31 min Scan# 1173

Delta R.T. -0.01 min

Lab File: VX009004.D

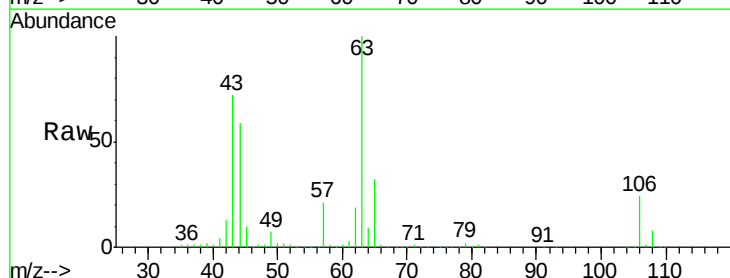
Acq: 17 Apr 2019 09:47

Tgt Ion: 63 Resp: 654874

Ion Ratio Lower Upper

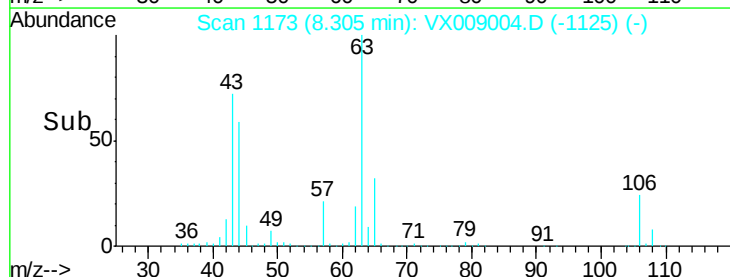
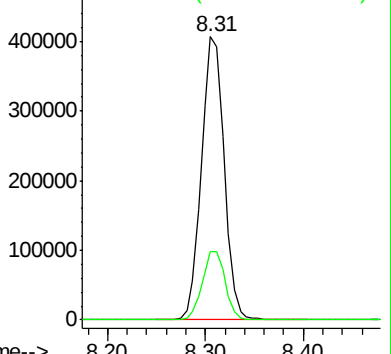
63 100

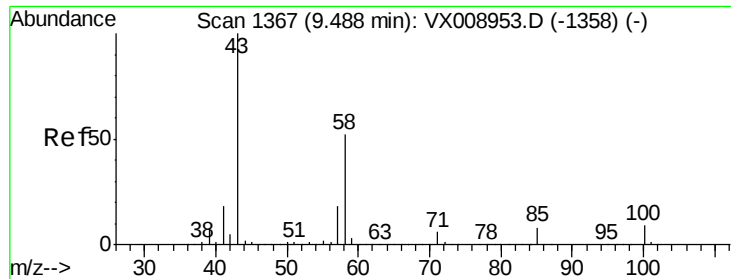
106 24.5 19.8 29.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





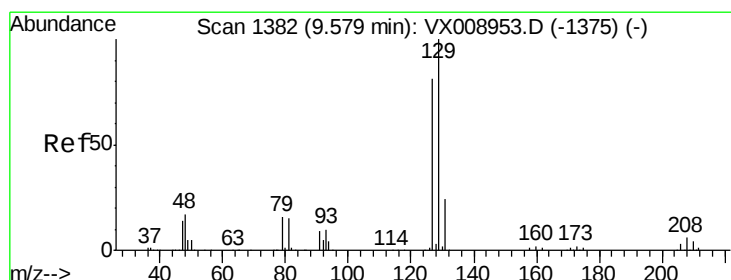
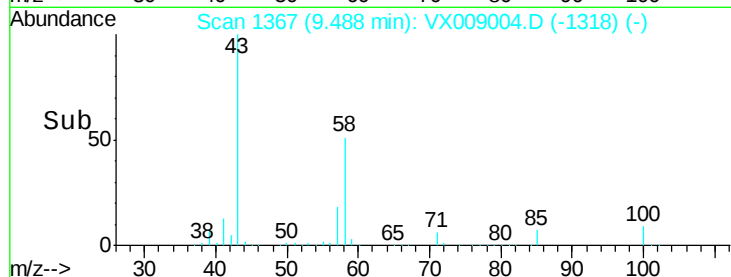
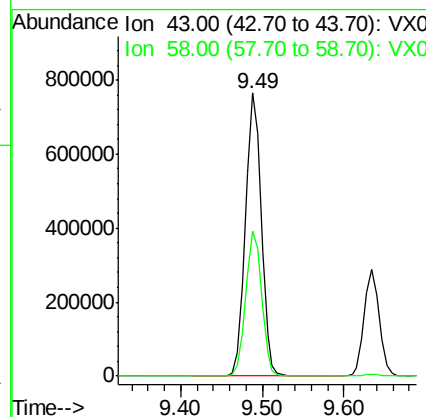
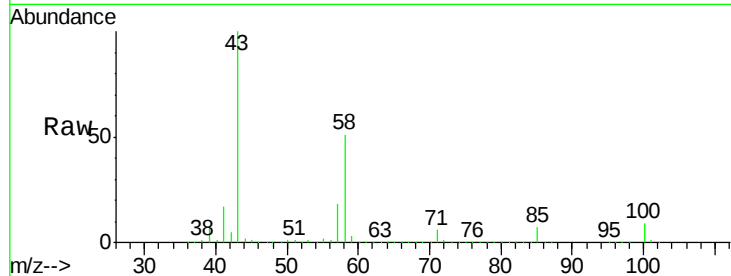
#59
2-Hexanone
Concen: 277.600 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX009004.D
Acq: 17 Apr 2019 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1017740
Ion Ratio Lower Upper
43 100
58 51.4 25.9 77.8

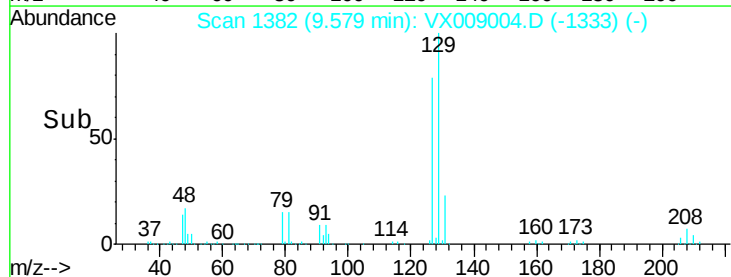
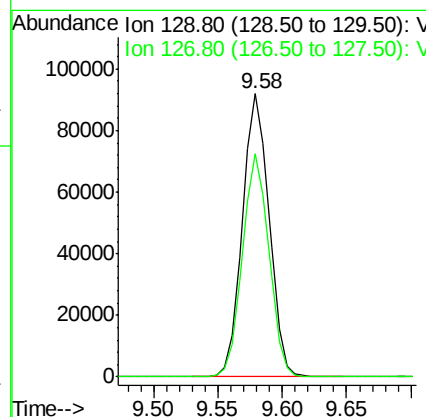
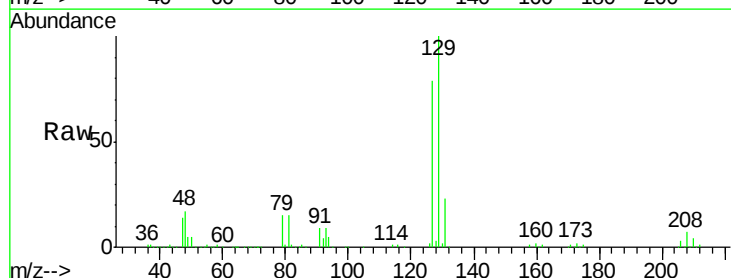
Manual Integrations
APPROVED

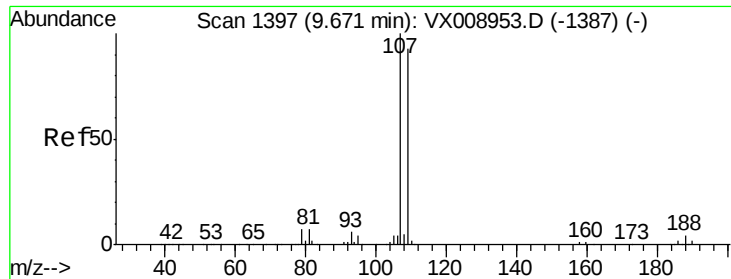
MMDadoda
4/18/2019 10:15:54 AM



#60
Dibromochloromethane
Concen: 54.709 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX009004.D
Acq: 17 Apr 2019 09:47

Tgt Ion: 129 Resp: 132253
Ion Ratio Lower Upper
129 100
127 78.1 39.1 117.2





#61

1,2-Dibromoethane

Concen: 52.212 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX009004.D

Acq: 17 Apr 2019 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 135919

Ion Ratio Lower Upper

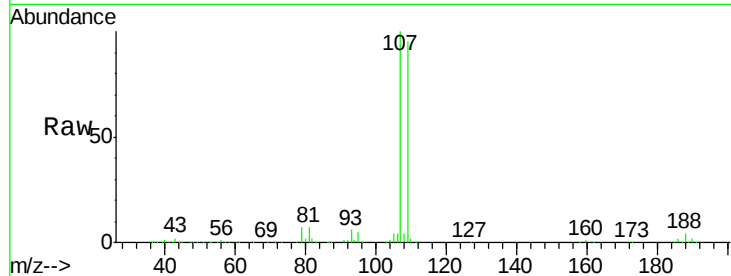
107 100

109 94.5 74.4 111.6

Manual Integrations
APPROVED

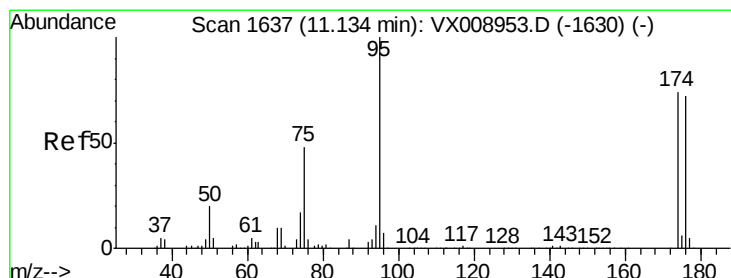
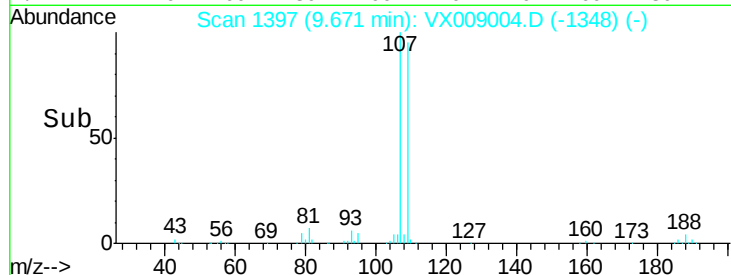
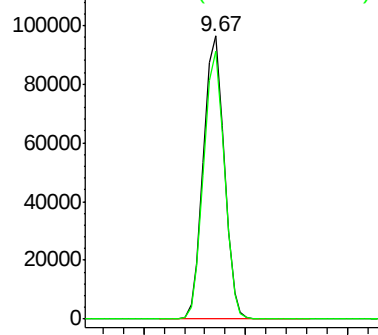
MMDadoda

4/18/2019 10:15:54 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 54.057 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009004.D

Acq: 17 Apr 2019 09:47

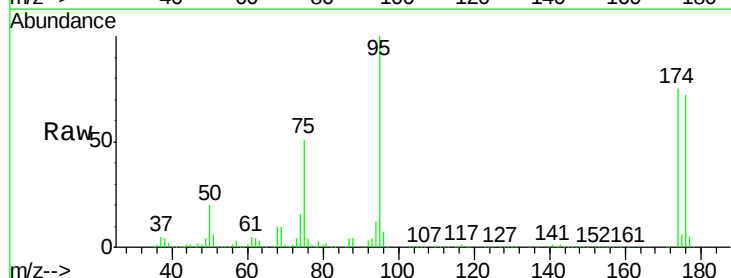
Tgt Ion: 95 Resp: 169985

Ion Ratio Lower Upper

95 100

174 79.4 0.0 159.6

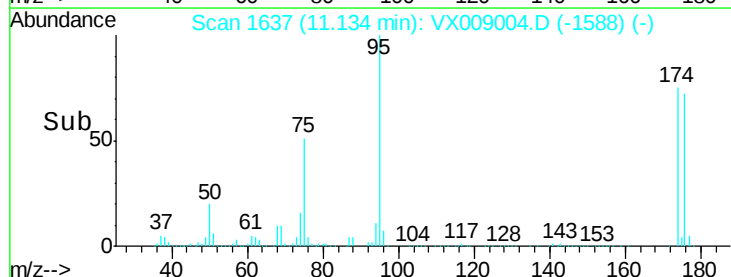
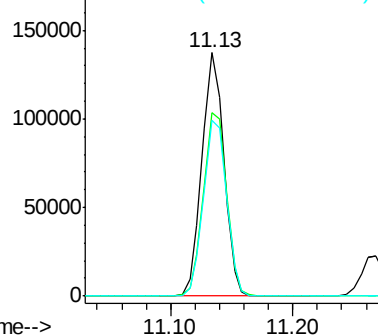
176 76.2 0.0 154.8

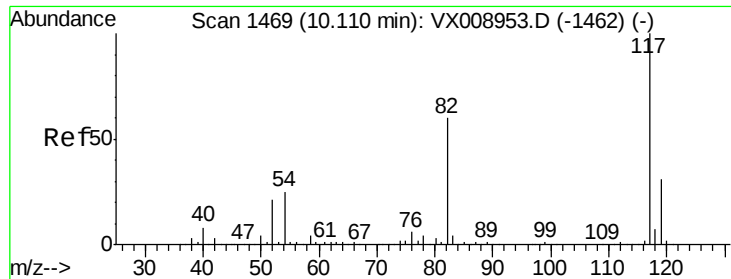


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





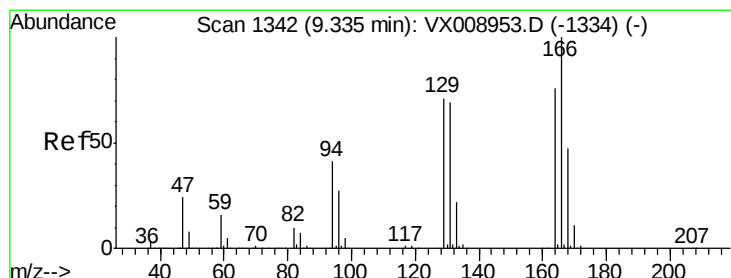
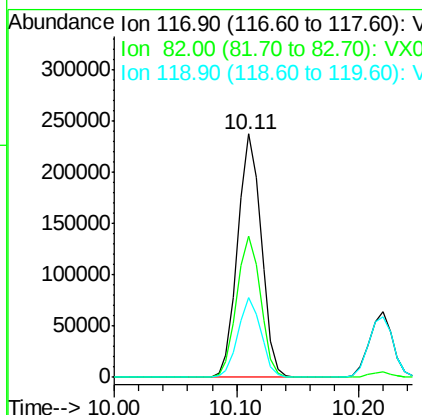
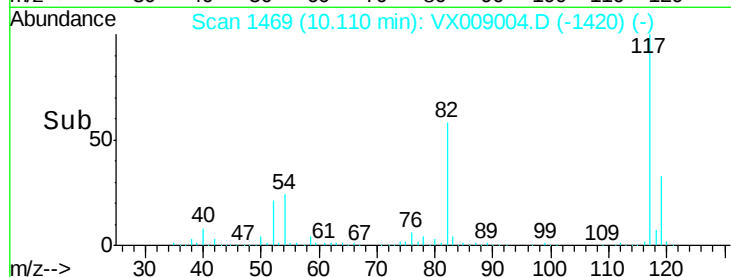
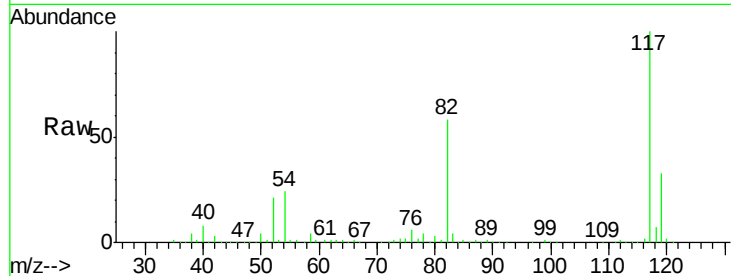
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009004.D
Acq: 17 Apr 2019 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.2	48.2	72.4
119	32.7	25.0	37.6

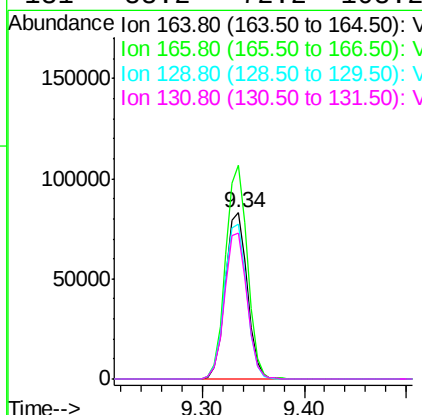
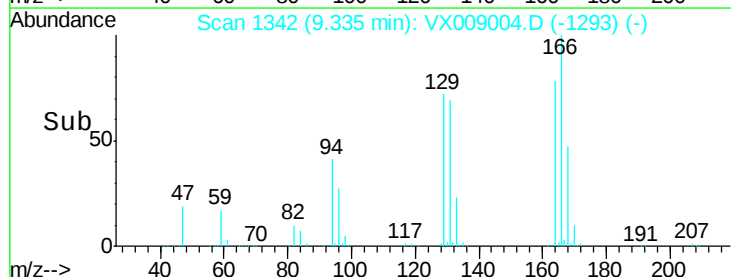
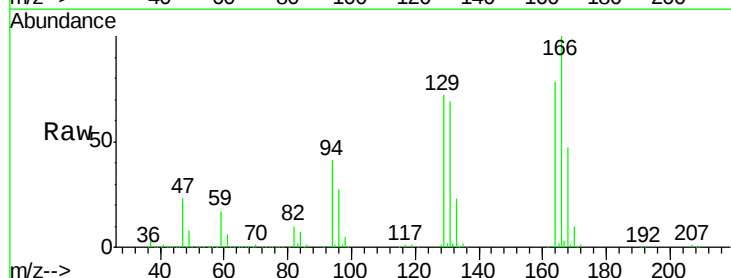
Manual Integrations
APPROVED

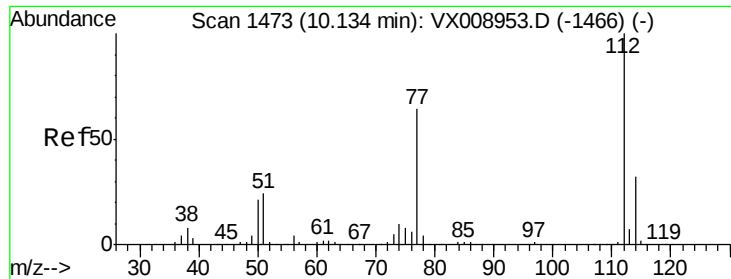
MMDadoda
4/18/2019 10:15:54 AM



#64
Tetrachloroethene
Concen: 51.563 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX009004.D
Acq: 17 Apr 2019 09:47

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.5	105.0	157.4
129	93.2	74.2	111.4
131	88.2	72.2	108.2





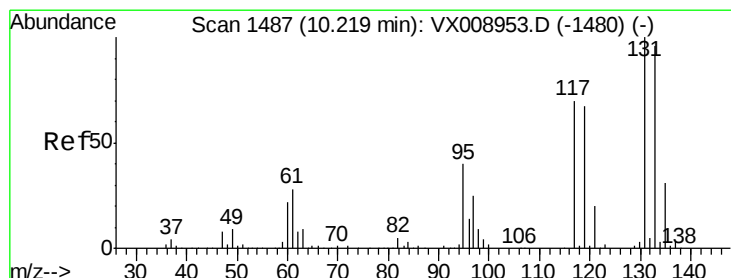
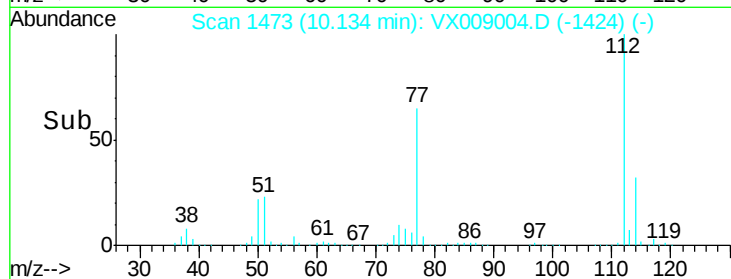
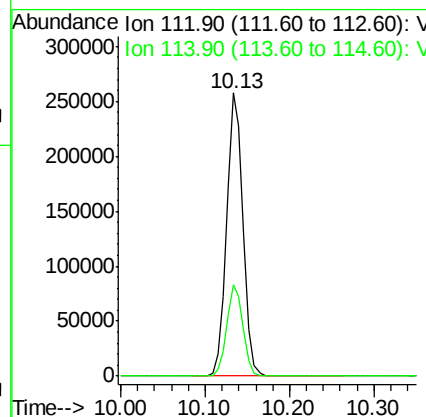
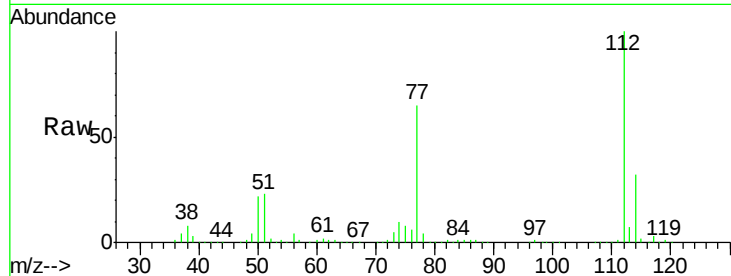
#65
Chlorobenzene
Concen: 51.797 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX009004.D
Acq: 17 Apr 2019 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 345035
Ion Ratio Lower Upper
112 100
114 32.1 25.4 38.0

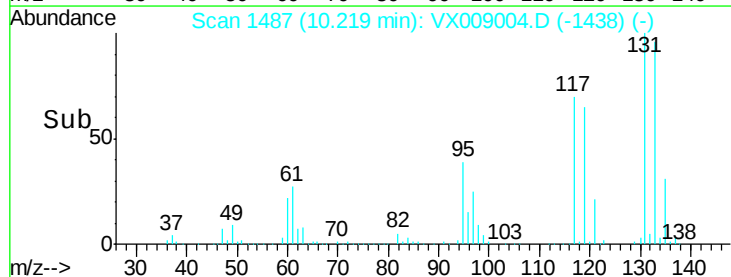
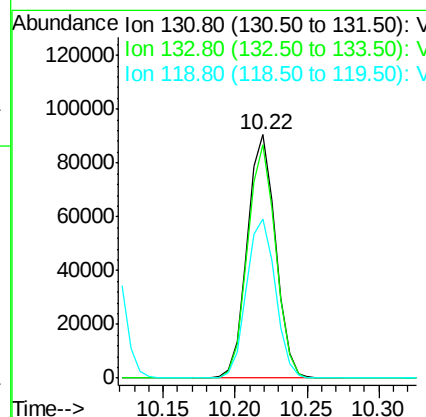
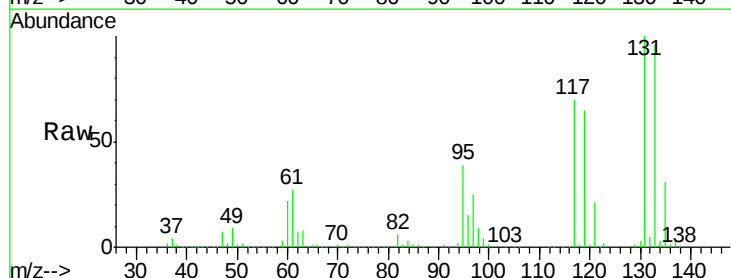
Manual Integrations
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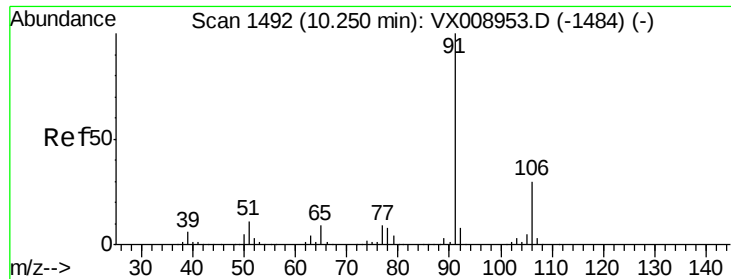
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.243 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX009004.D
Acq: 17 Apr 2019 09:47

Tgt Ion:131 Resp: 122596
Ion Ratio Lower Upper
131 100
133 95.2 48.0 144.2
119 67.2 33.7 101.1





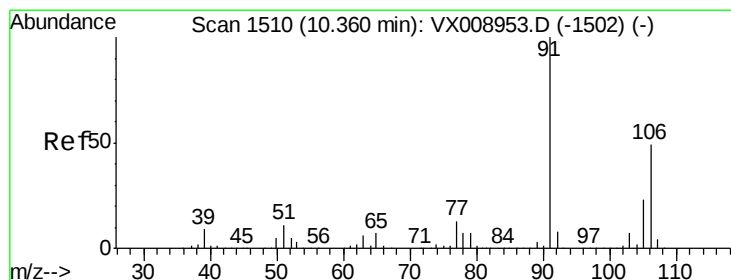
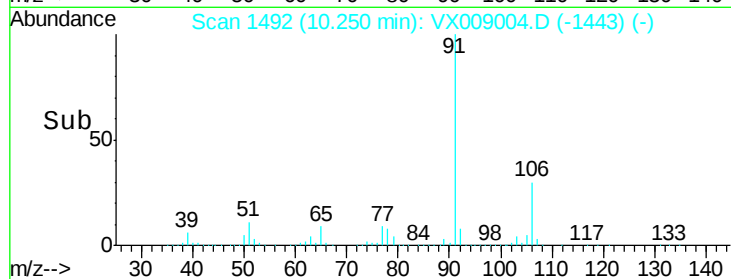
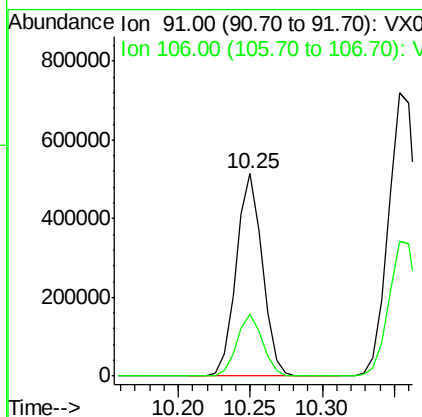
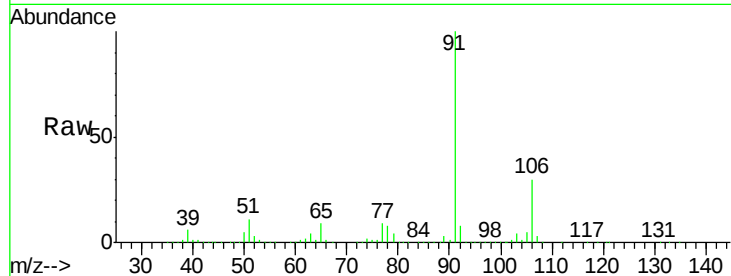
#67
Ethyl Benzene
Concen: 53.414 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX009004.D
Acq: 17 Apr 2019 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 650428
Ion Ratio Lower Upper
91 100
106 30.5 24.3 36.5

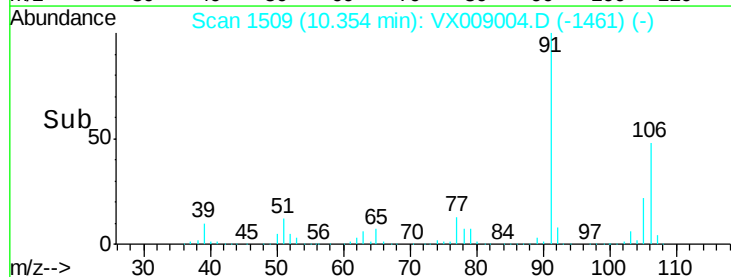
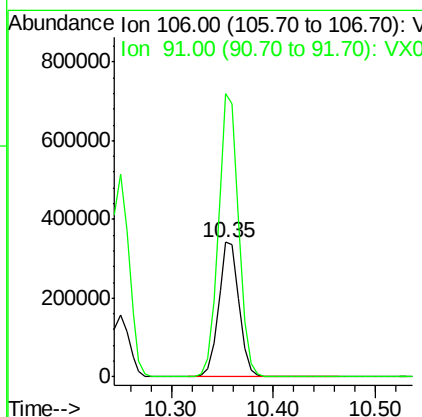
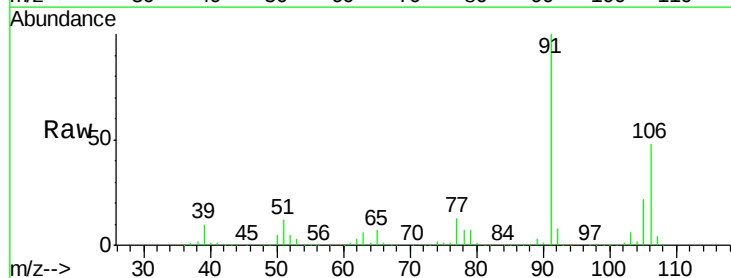
Manual Integrations
APPROVED

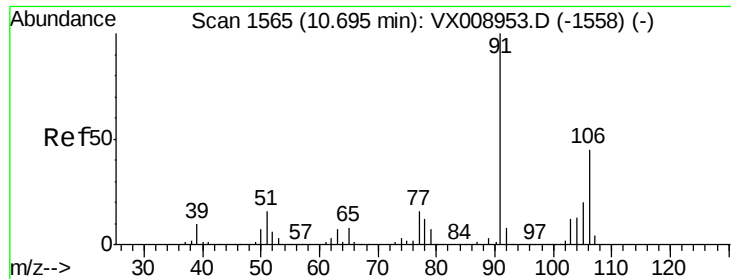
MMDadoda
4/18/2019 10:15:54 AM



#68
m/p-Xylenes
Concen: 107.856 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VX009004.D
Acq: 17 Apr 2019 09:47

Tgt Ion: 106 Resp: 477309
Ion Ratio Lower Upper
106 100
91 208.5 165.4 248.2





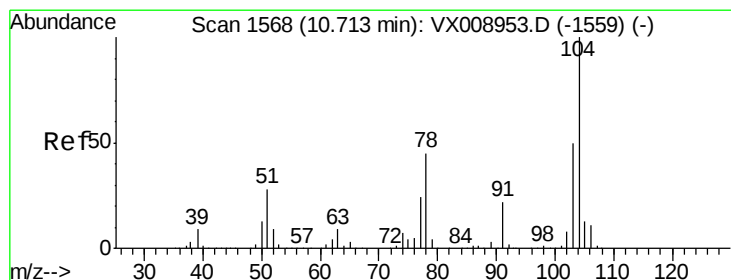
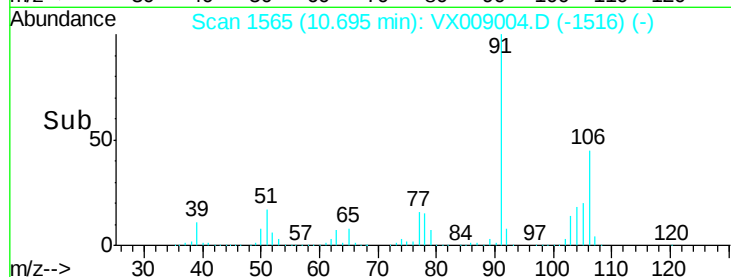
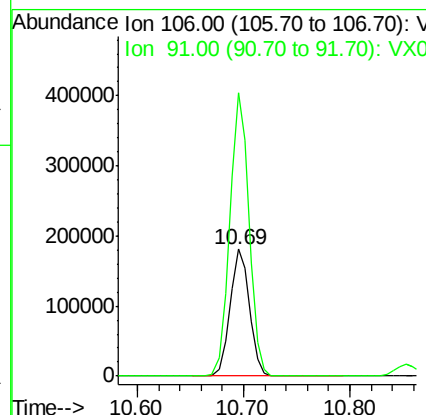
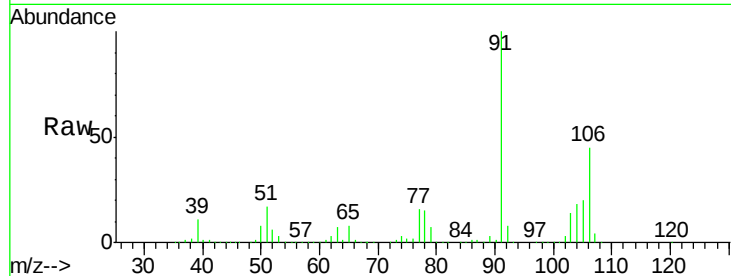
#69
o-Xylene
Concen: 53.581 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX009004.D
Acq: 17 Apr 2019 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 230721
Ion Ratio Lower Upper
106 100
91 221.6 108.9 326.7

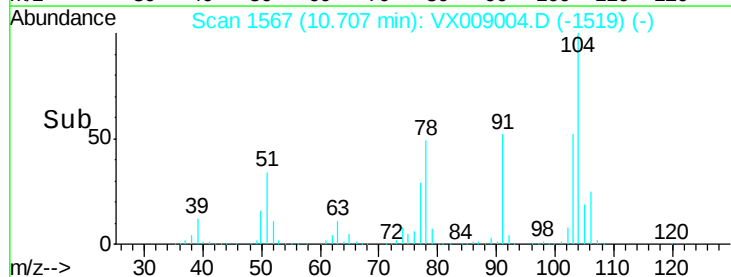
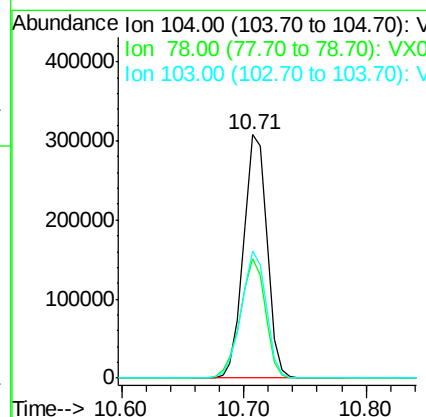
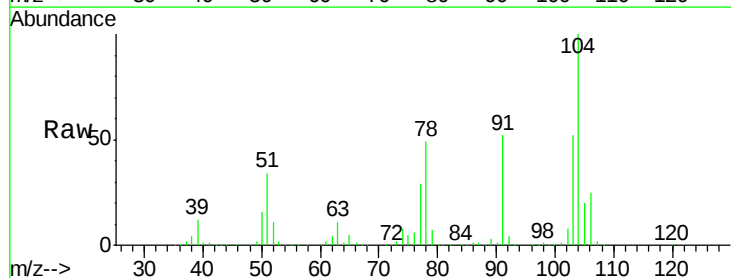
Manual Integrations
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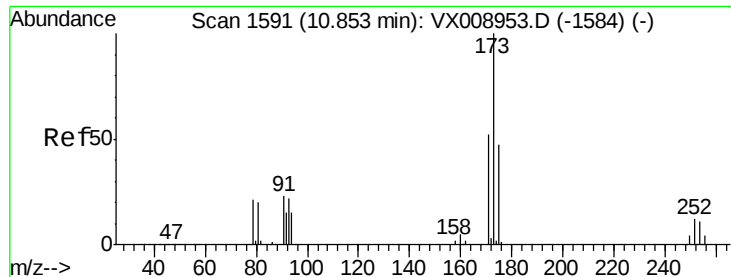
MMDadoda
4/18/2019 10:15:54 AM



#70
Styrene
Concen: 54.686 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX009004.D
Acq: 17 Apr 2019 09:47

Tgt Ion:104 Resp: 408068
Ion Ratio Lower Upper
104 100
78 52.2 41.2 61.8
103 55.2 43.9 65.9





#71

Bromoform

Concen: 53.742 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX009004.D

Acq: 17 Apr 2019 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 100474

Ion Ratio Lower Upper

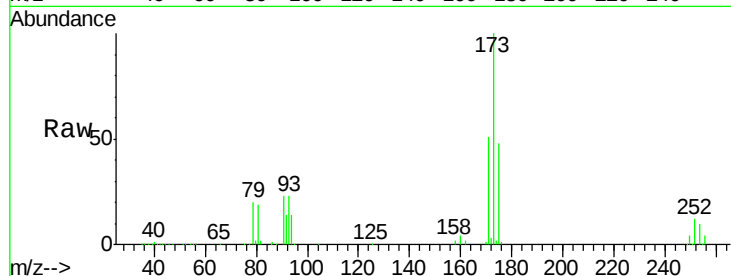
173 100

175 48.5 23.9 71.8

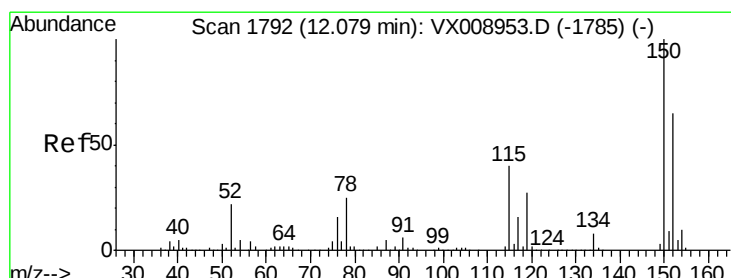
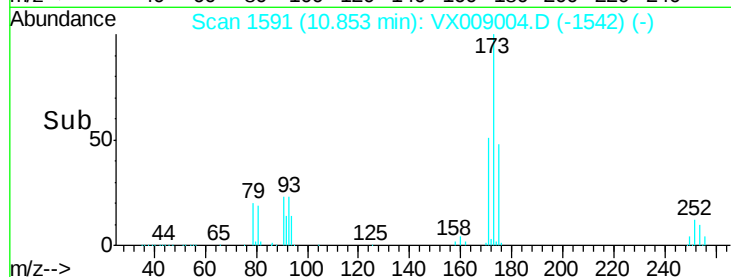
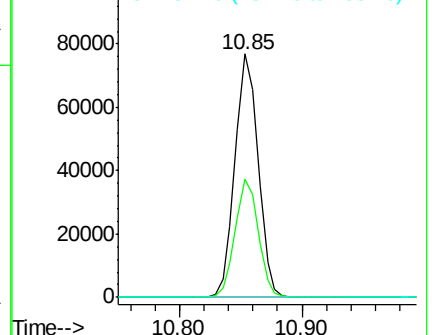
254 0.2 0.2 0.4#

Manual Integrations
APPROVED

MMDadoda
4/18/2019 10:15:54 AM



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: VX009004.D

Acq: 17 Apr 2019 09:47

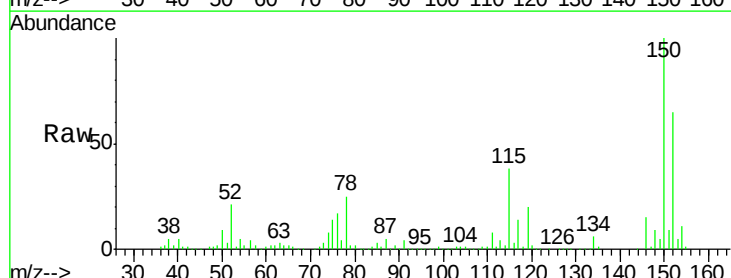
Tgt Ion:152 Resp: 156875

Ion Ratio Lower Upper

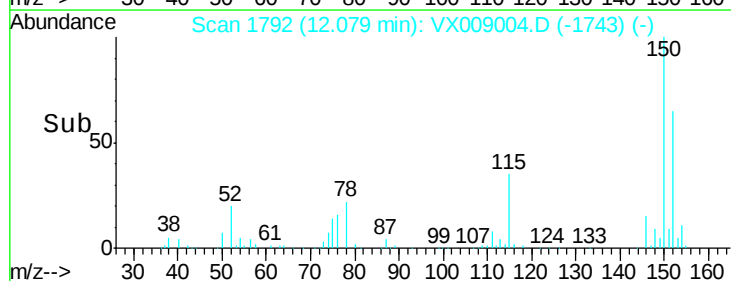
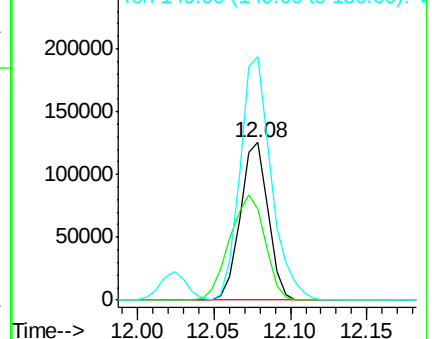
152 100

115 84.7 41.4 124.2

150 174.1 0.0 349.8



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: 52.457 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX009004.D

Acq: 17 Apr 2019 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 623768

Ion Ratio Lower Upper

105 100

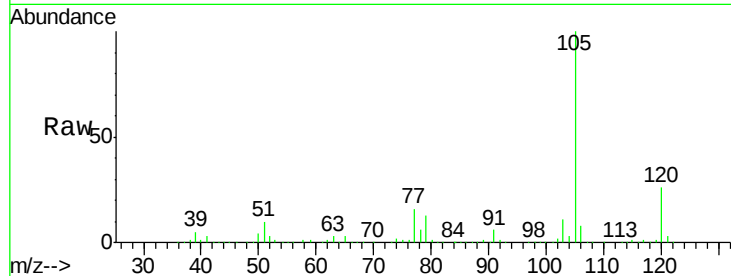
120 25.7 12.9 38.7

Manual Integrations

APPROVED

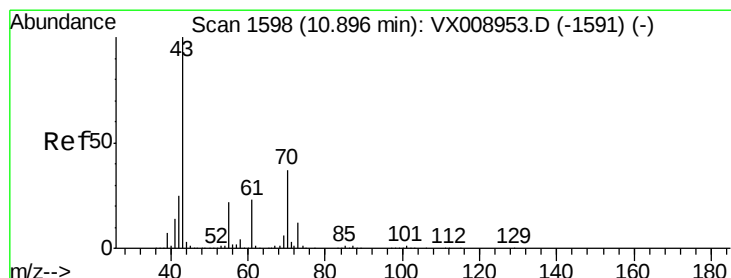
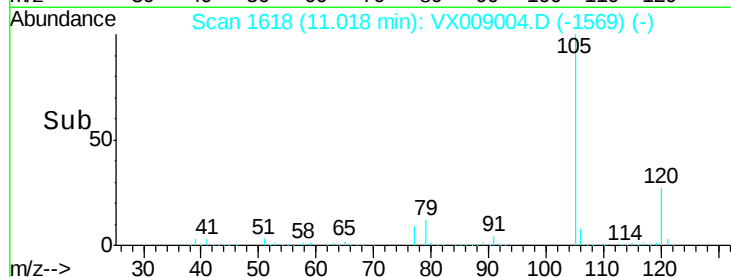
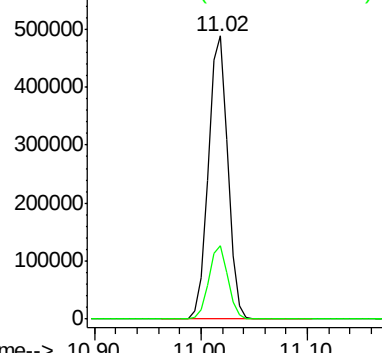
MMDadoda

4/18/2019 10:15:54 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 52.528 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX009004.D

Acq: 17 Apr 2019 09:47

Tgt Ion: 43 Resp: 358633

Ion Ratio Lower Upper

43 100

70 37.2 29.9 44.9

55 22.1 17.8 26.8

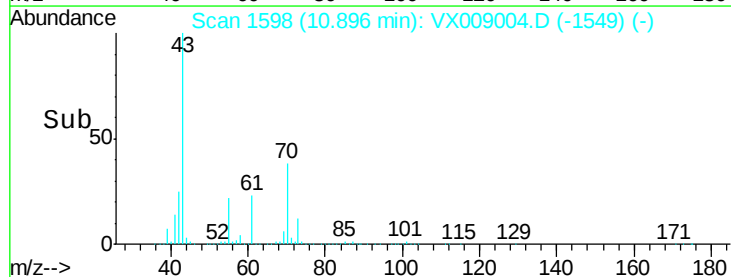
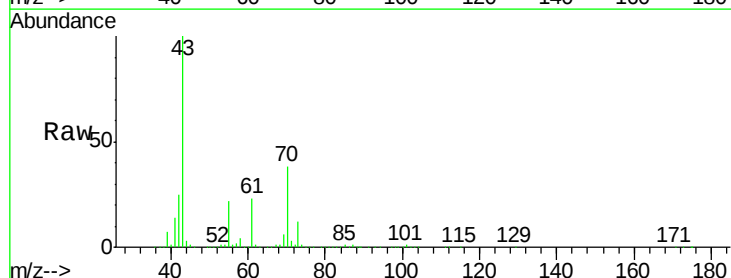
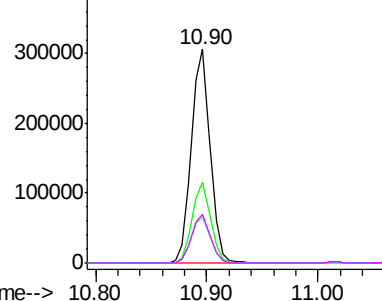
61 22.7 18.3 27.5

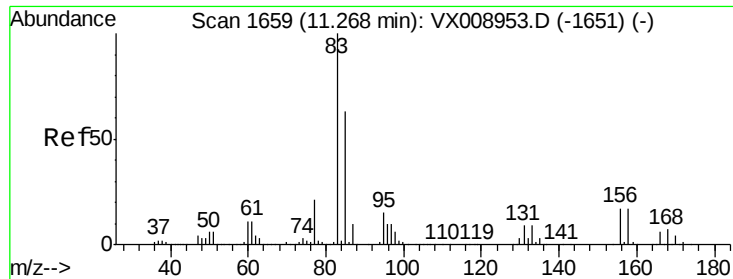
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 49.206 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX009004.D

Acq: 17 Apr 2019 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 213786
Ion Ratio Lower Upper

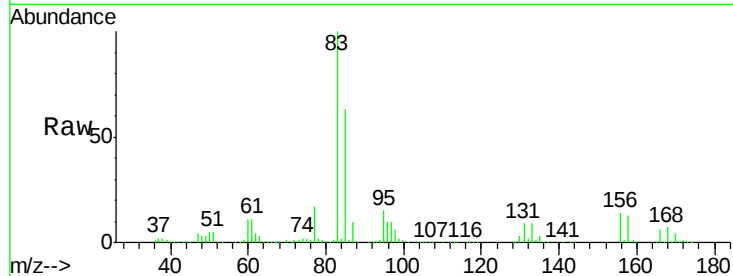
83 100

131 9.2 4.7 14.0

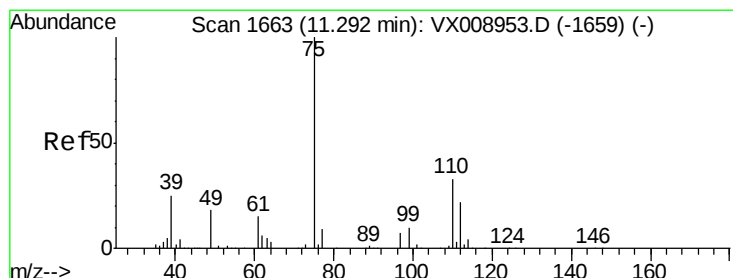
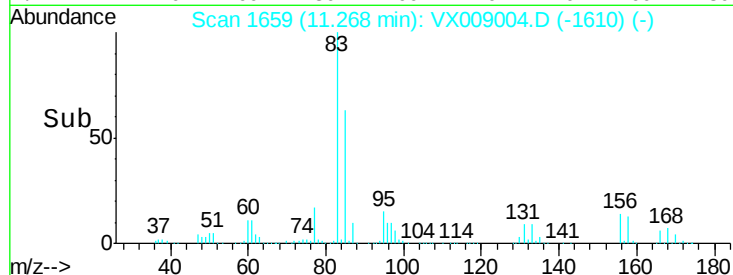
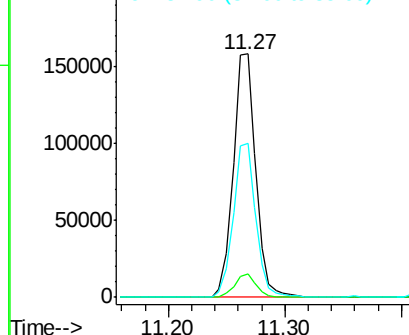
85 63.5 31.9 95.9

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



#76

1,2,3-Trichloropropane

Concen: 50.167 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

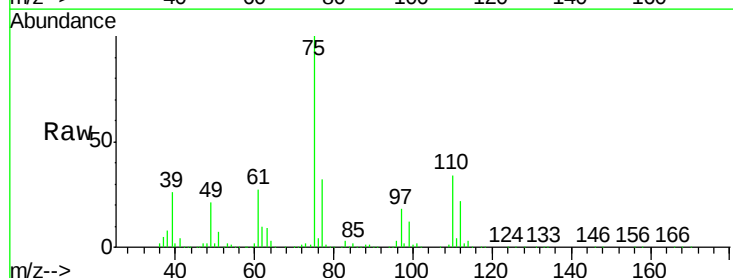
Lab File: VX009004.D

Acq: 17 Apr 2019 09:47

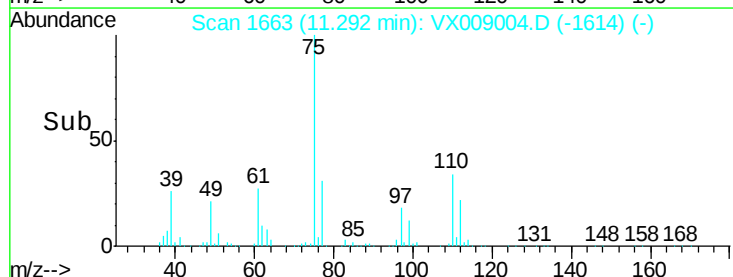
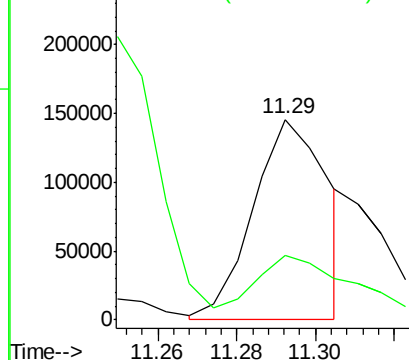
Tgt Ion: 75 Resp: 192169
Ion Ratio Lower Upper

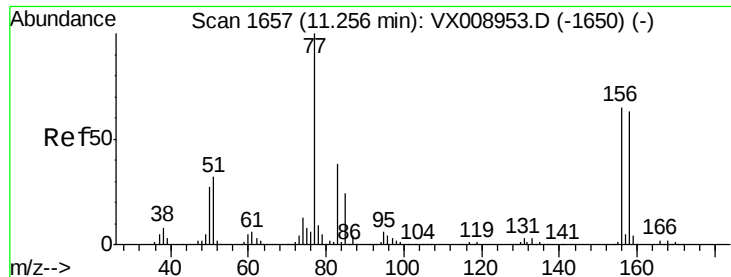
75 100

77 43.0 22.7 68.0



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





#77

Bromobenzene

Concen: 49.926 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX009004.D

Acq: 17 Apr 2019 09:47

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion:156 Resp: 149788

Ion Ratio Lower Upper

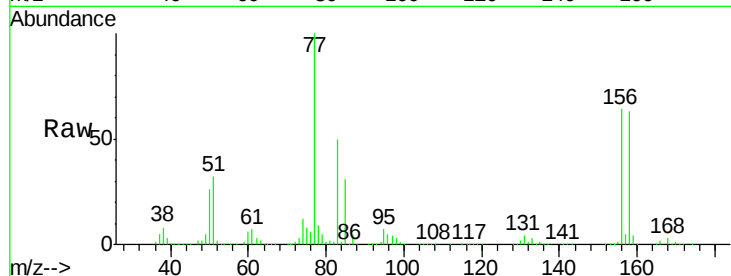
156 100

77 174.0 85.4 256.1

158 97.8 48.8 146.4

Manual Integrations
APPROVED

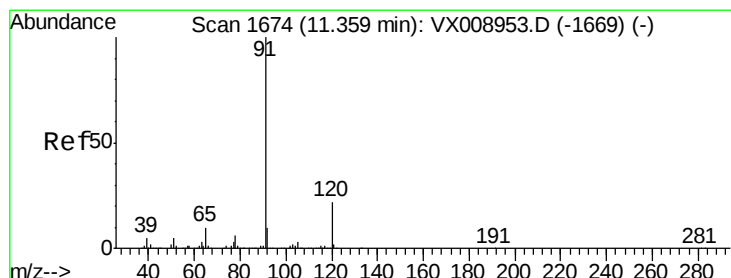
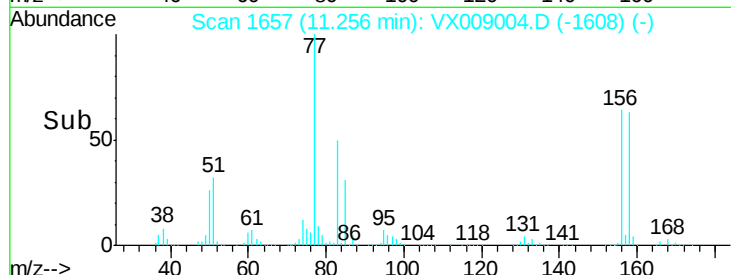
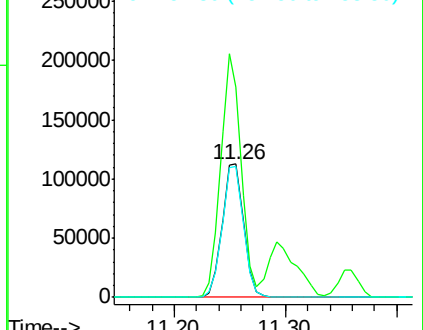
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 53.877 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX009004.D

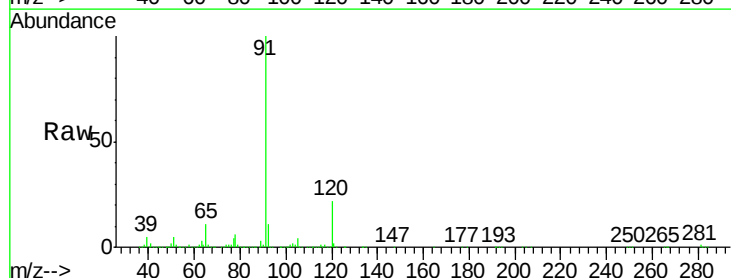
Acq: 17 Apr 2019 09:47

Tgt Ion: 91 Resp: 735316

Ion Ratio Lower Upper

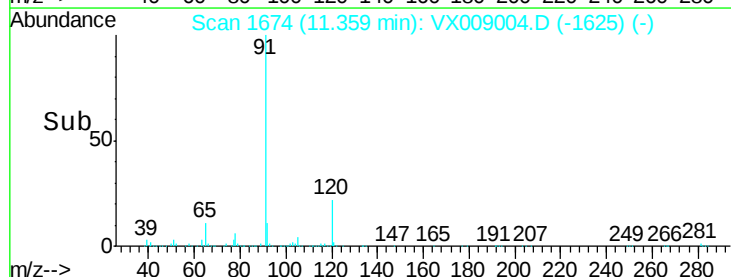
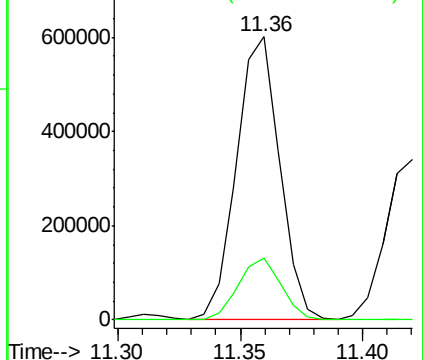
91 100

120 21.8 10.9 32.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





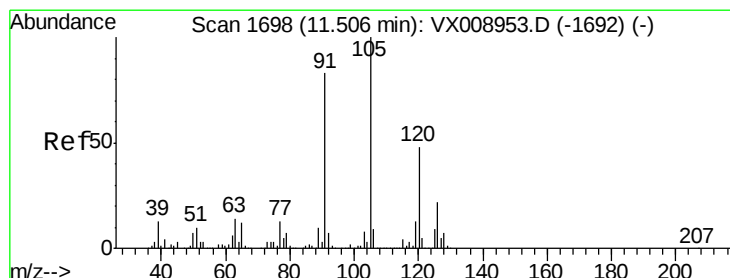
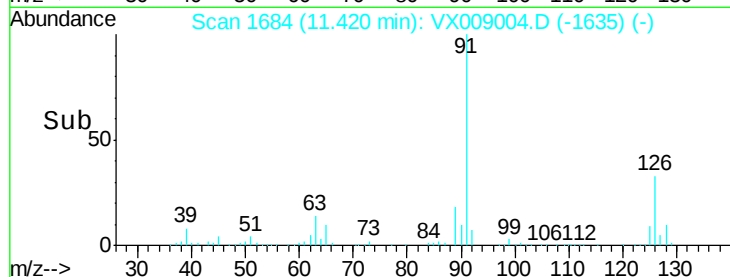
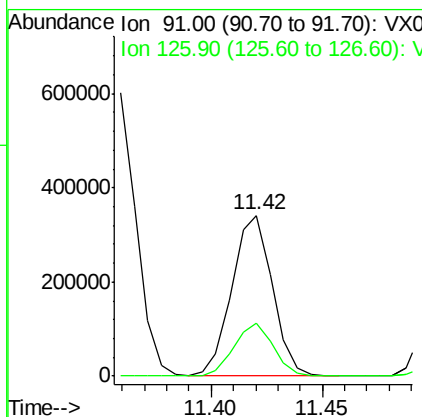
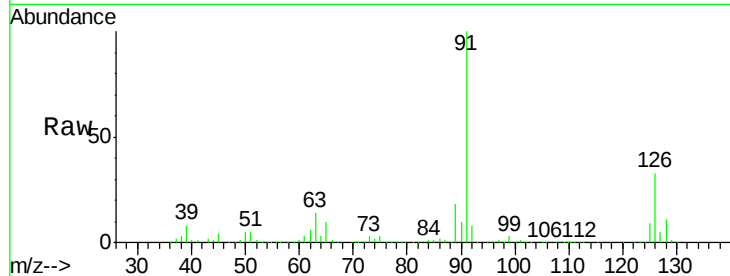
#79
 2-Chlorotoluene
 Concen: 52.345 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. 0.00 min
 Lab File: VX009004.D
 Acq: 17 Apr 2019 09:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 430504
 Ion Ratio Lower Upper
 91 100
 126 32.3 16.3 48.9

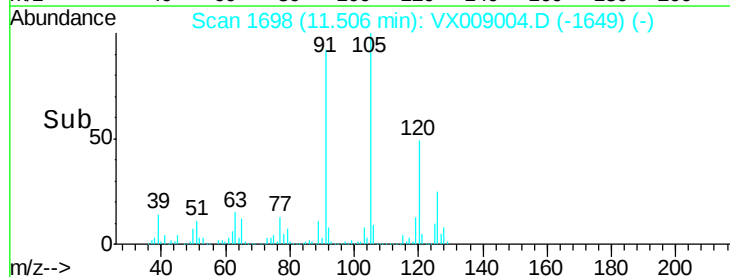
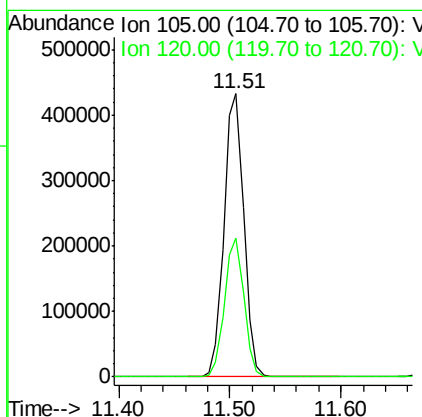
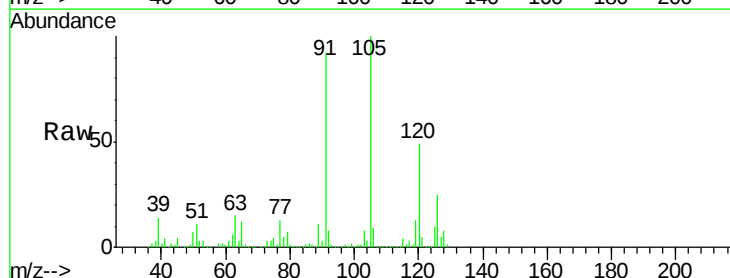
Manual Integrations
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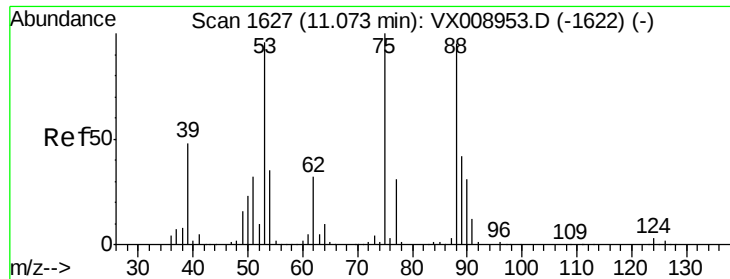
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 4/18/2019 10:15:54 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 53.139 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX009004.D
 Acq: 17 Apr 2019 09:47

Tgt Ion: 105 Resp: 530242
 Ion Ratio Lower Upper
 105 100
 120 48.2 24.1 72.3





#81

trans-1,4-Dichloro-2-butene

Concen: 50.945 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX009004.D

Acq: 17 Apr 2019 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 76014

Ion Ratio Lower Upper

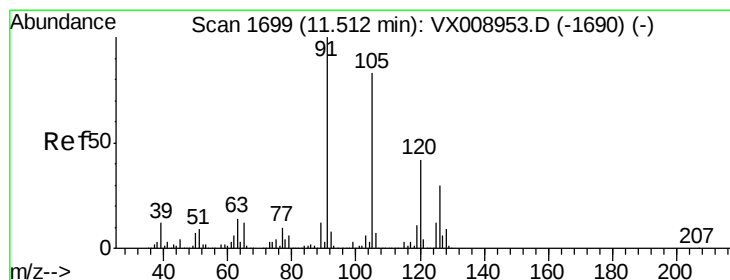
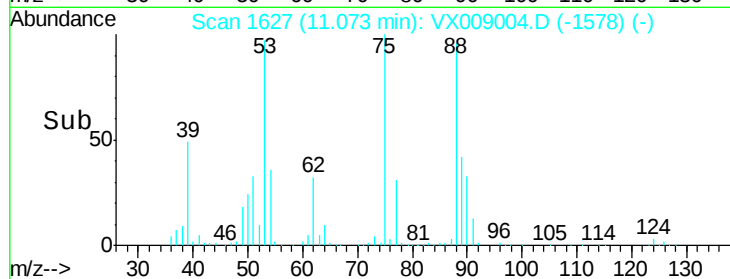
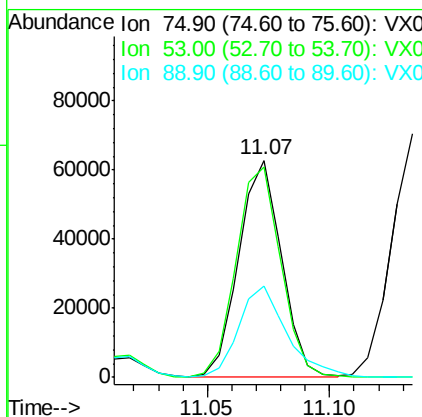
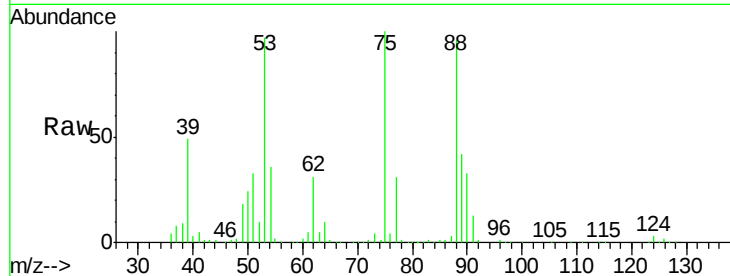
75 100

53 101.3 78.2 117.4

89 47.8 36.0 54.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 52.720 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.01 min

Lab File: VX009004.D

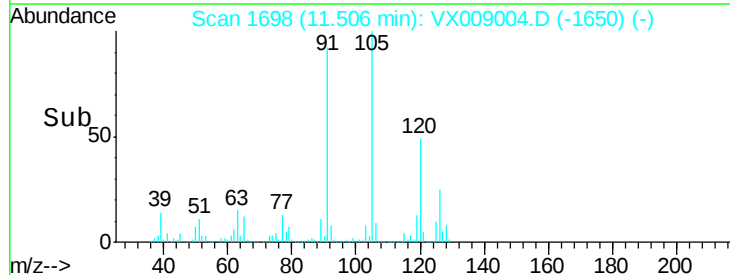
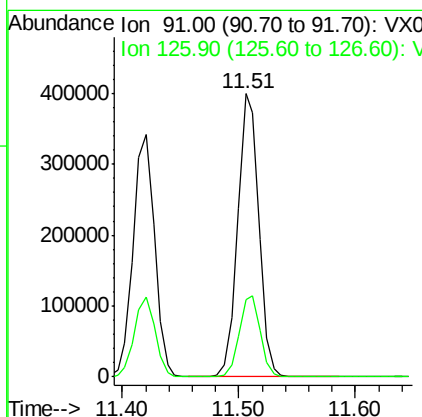
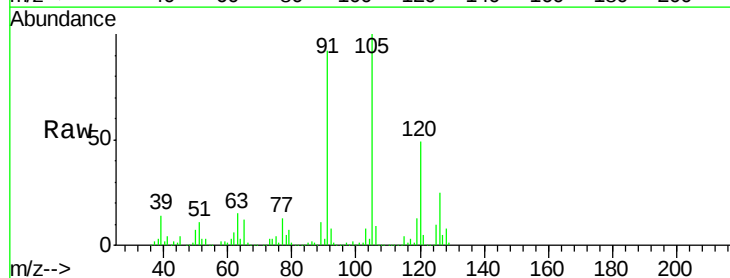
Acq: 17 Apr 2019 09:47

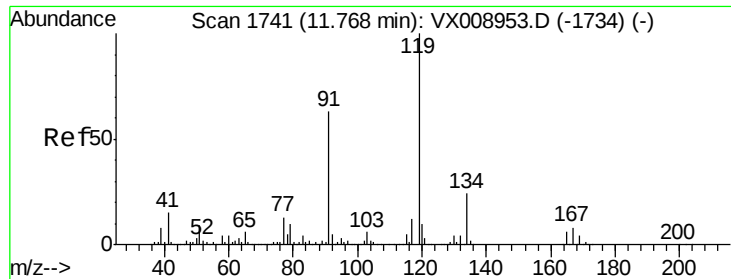
Tgt Ion: 91 Resp: 503562

Ion Ratio Lower Upper

91 100

126 28.5 14.3 42.9





#83

tert-Butylbenzene

Concen: 52.146 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX009004.D

Acq: 17 Apr 2019 09:47

Instrument :

MSVOA_X

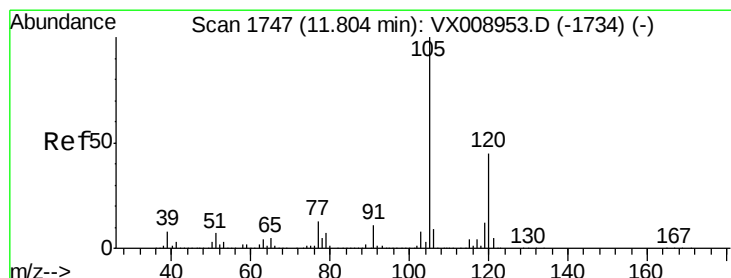
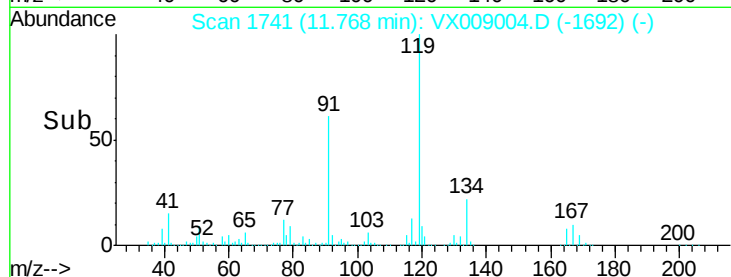
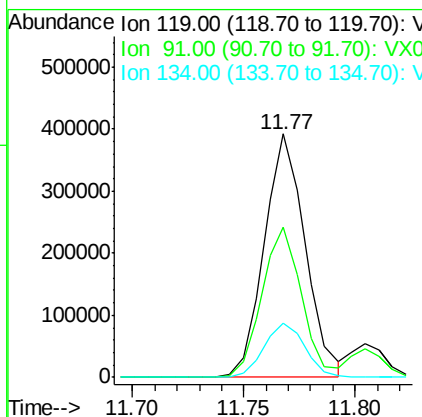
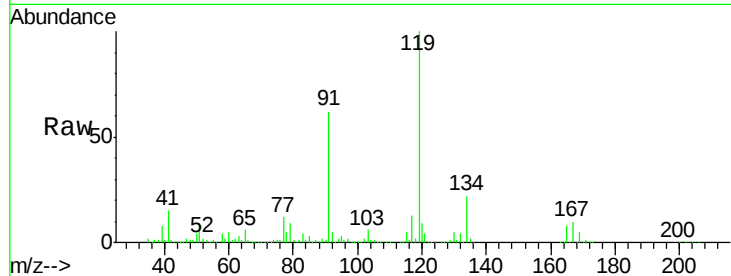
ClientSampleId :

VSTDCCC050

Tot Ion:	119	Resp:	499562
Ion Ratio	Lower	Upper	
119	100		
91	60.3	29.7	89.1
134	22.4	11.2	33.5

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#84

1,2,4-Trimethylbenzene

Concen: 52.275 ug/l

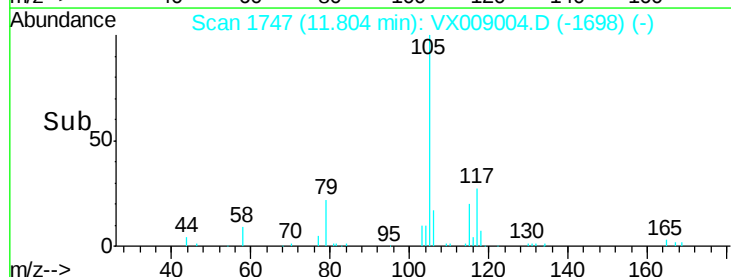
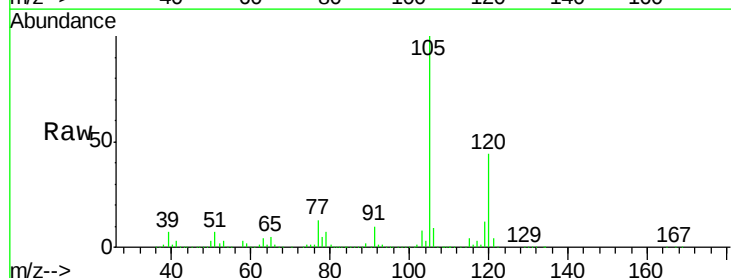
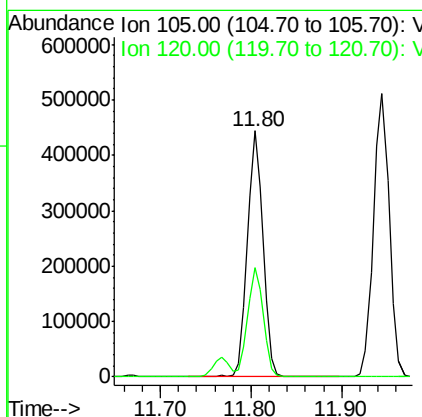
RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX009004.D

Acq: 17 Apr 2019 09:47

Tgt Ion:	105	Resp:	530969
Ion Ratio	Lower	Upper	
105	100		
120	44.7	21.9	65.8





#85

sec-Butylbenzene

Concen: 54.163 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX009004.D

Acq: 17 Apr 2019 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 618860

Ion Ratio Lower Upper

105 100

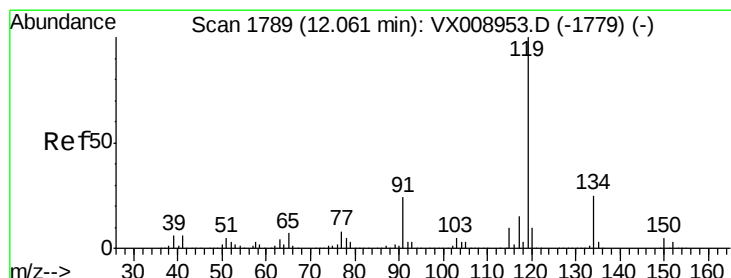
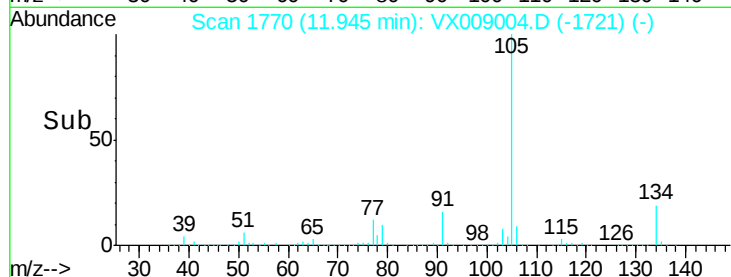
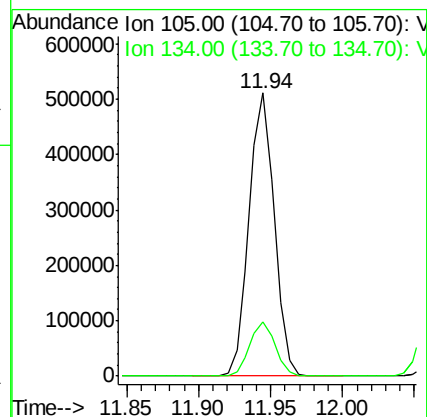
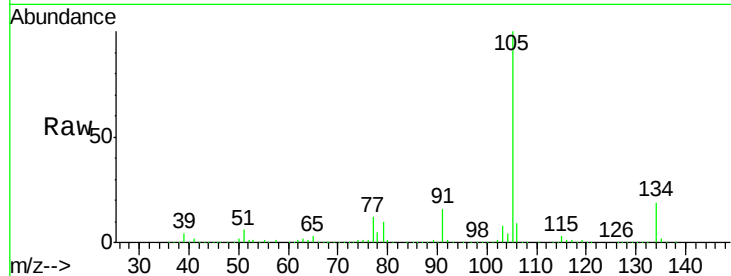
134 19.3 9.6 28.6

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 53.674 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX009004.D

Acq: 17 Apr 2019 09:47

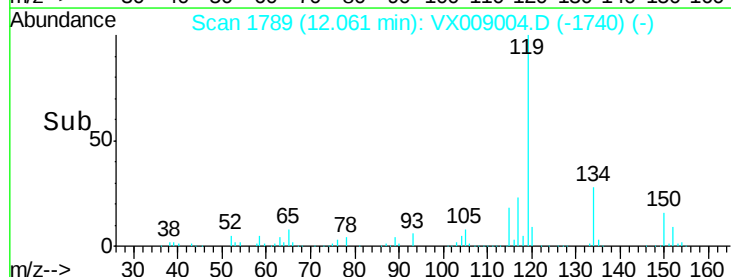
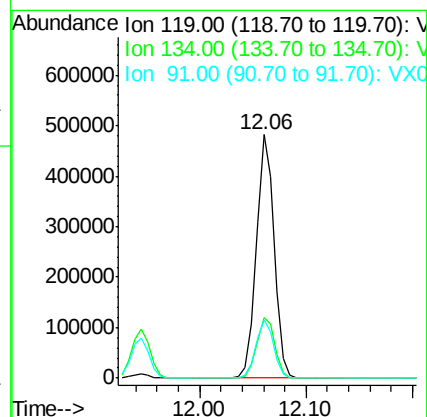
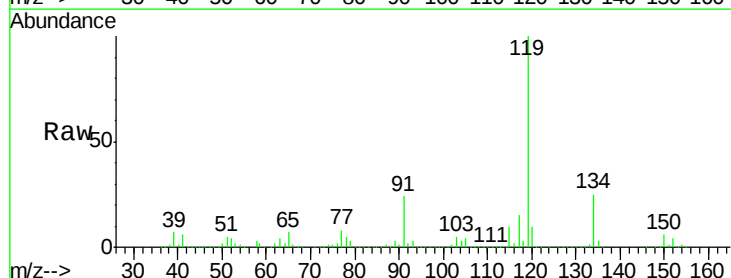
Tgt Ion:119 Resp: 563829

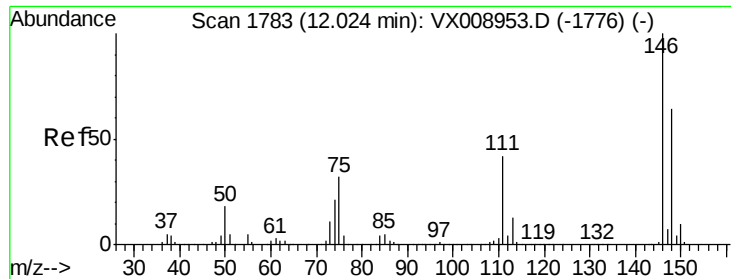
Ion Ratio Lower Upper

119 100

134 25.7 12.9 38.6

91 23.8 11.9 35.5





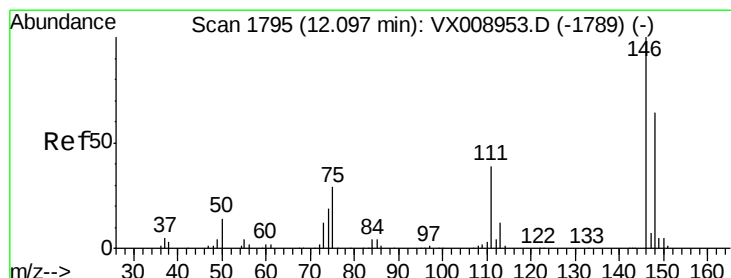
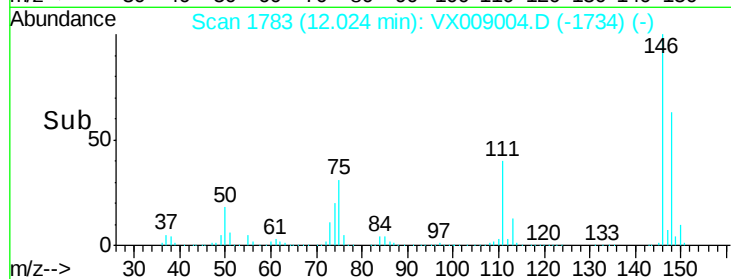
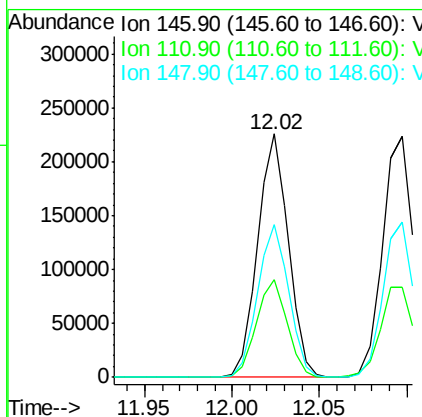
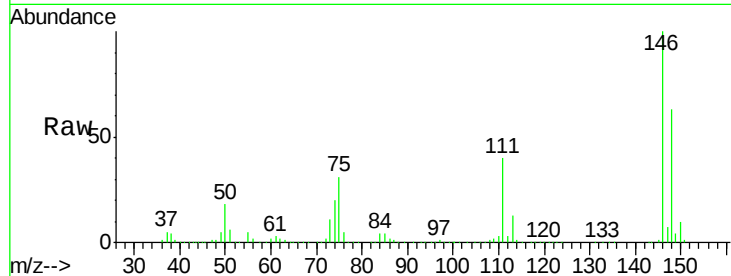
#87
 1,3-Dichlorobenzene
 Concen: 52.360 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX009004.D
 Acq: 17 Apr 2019 09:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.5	61.6
148	63.7	32.2	96.6

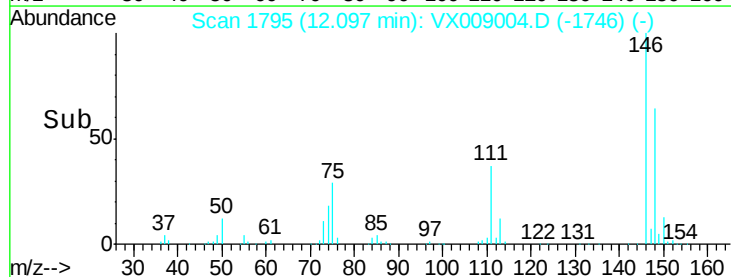
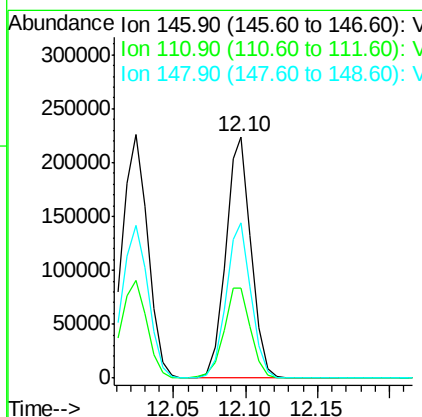
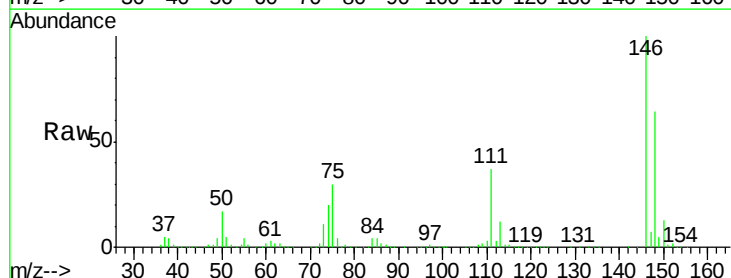
Manual Integrations
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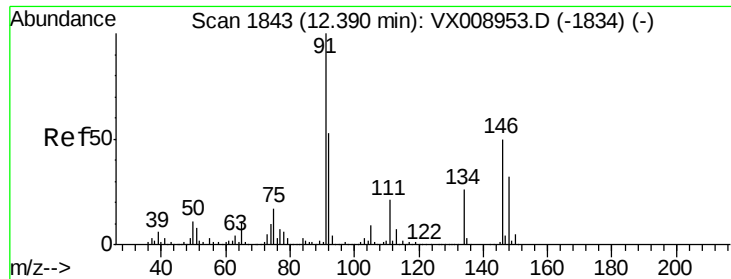
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#88
 1,4-Dichlorobenzene
 Concen: 51.545 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX009004.D
 Acq: 17 Apr 2019 09:47

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.7	20.0	59.9
148	64.0	32.2	96.6





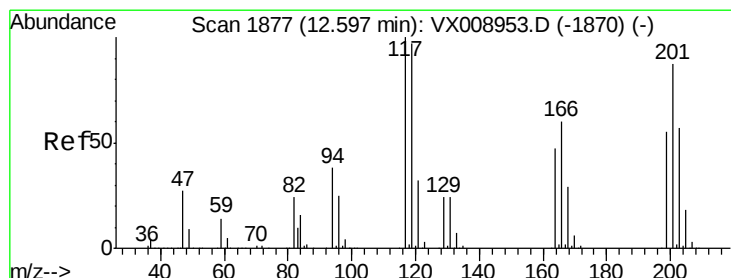
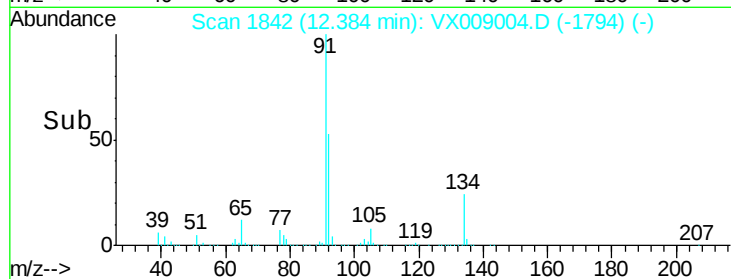
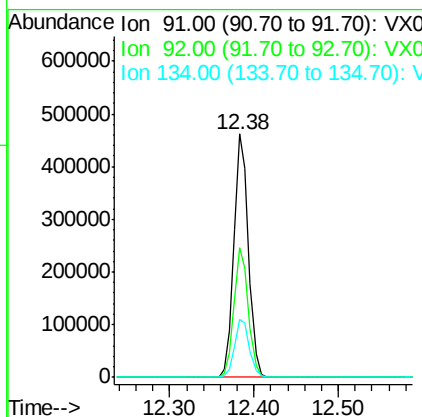
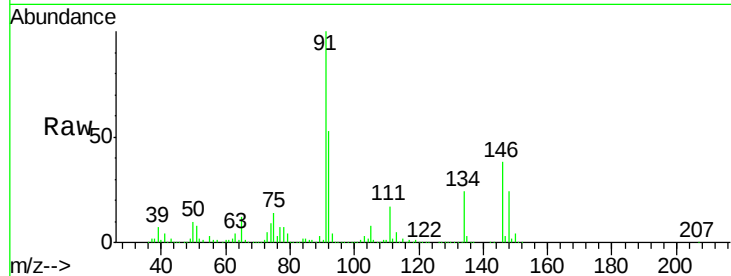
#89
n-Butylbenzene
Concen: 55.161 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.01 min
Lab File: VX009004.D
Acq: 17 Apr 2019 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.6	79.8
134	24.2	12.4	37.2

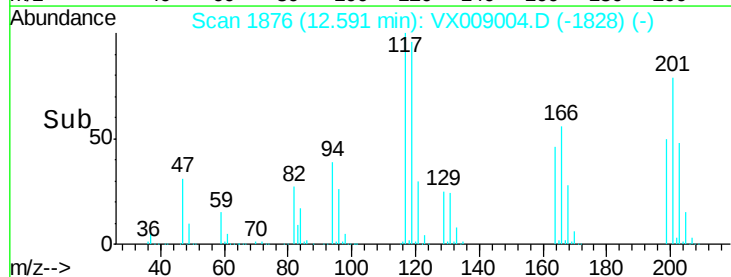
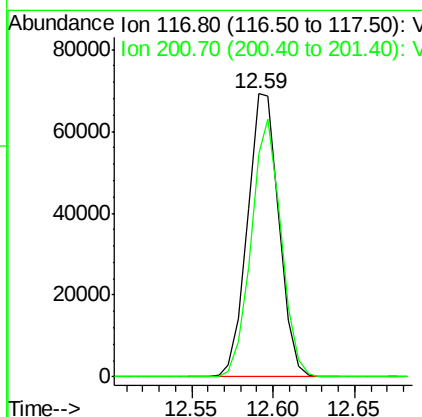
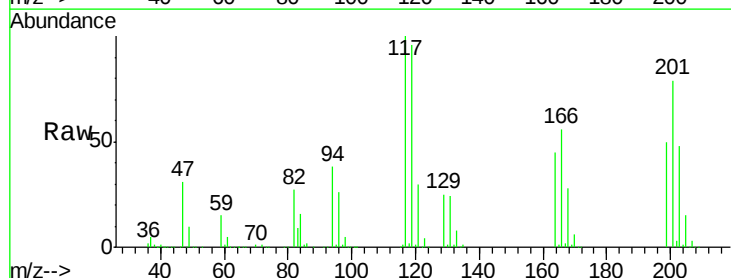
Manual Integrations
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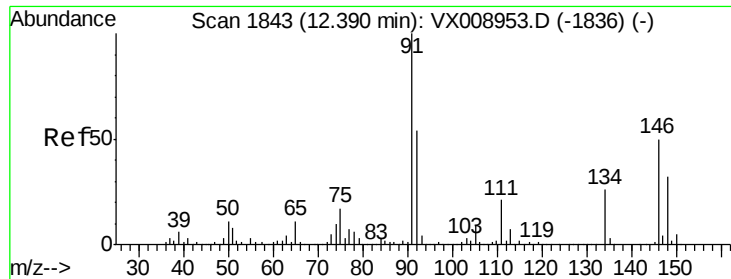
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#90
Hexachloroethane
Concen: 53.624 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX009004.D
Acq: 17 Apr 2019 09:47

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.3	43.0	129.0





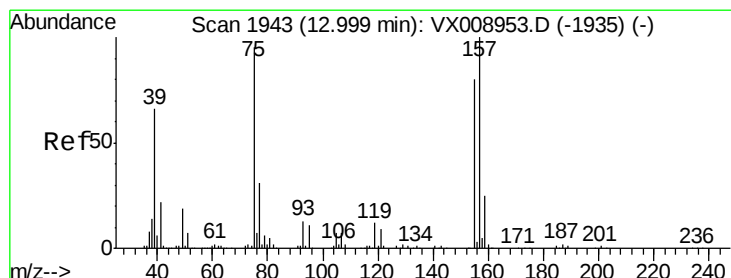
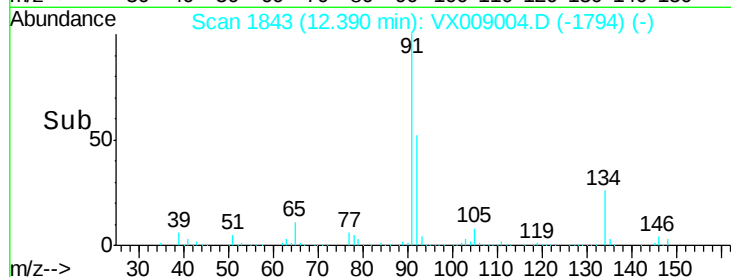
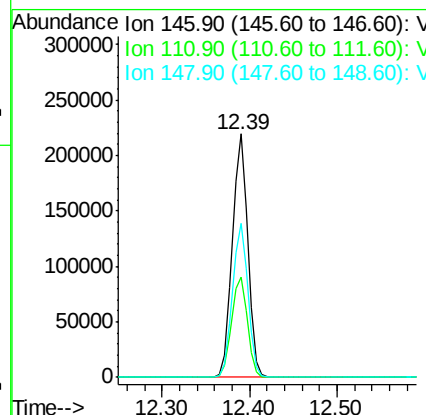
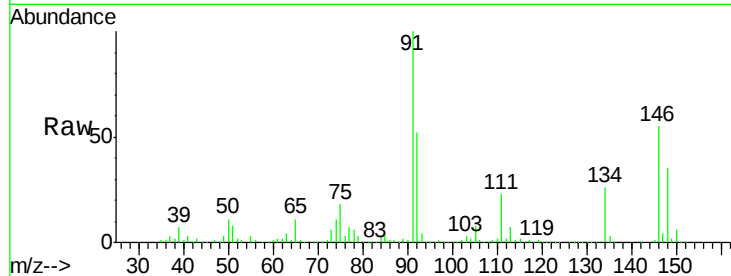
#91
 1,2-Dichlorobenzene
 Concen: 51.894 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX009004.D
 Acq: 17 Apr 2019 09:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.6	61.9
148	63.4	32.0	96.2

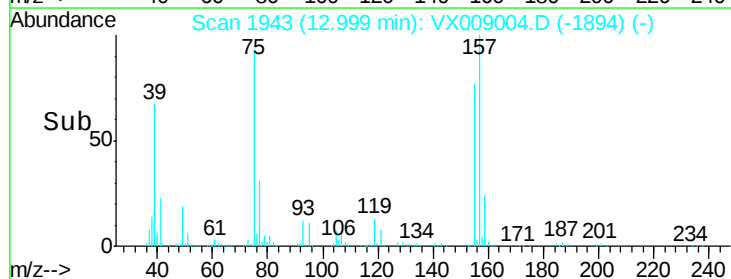
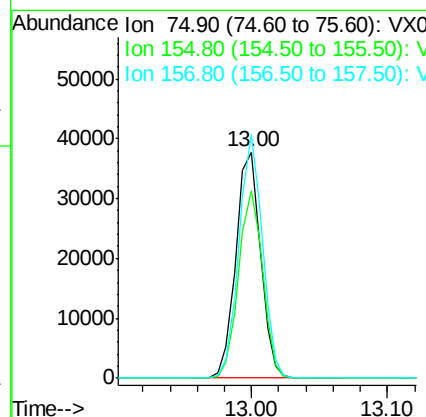
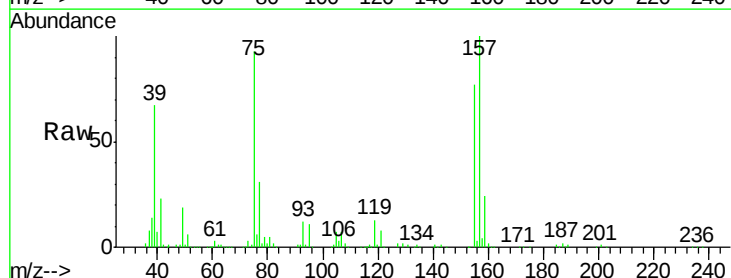
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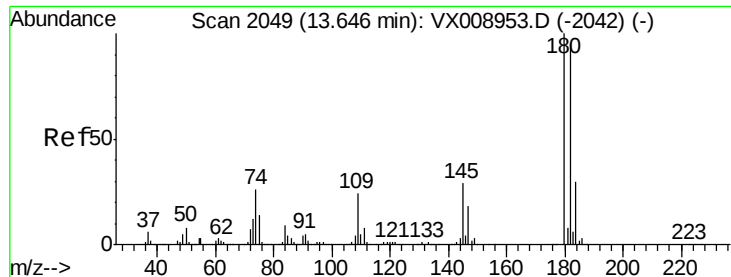
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.447 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX009004.D
 Acq: 17 Apr 2019 09:47

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.4	41.2	123.6
157	101.8	52.5	157.6





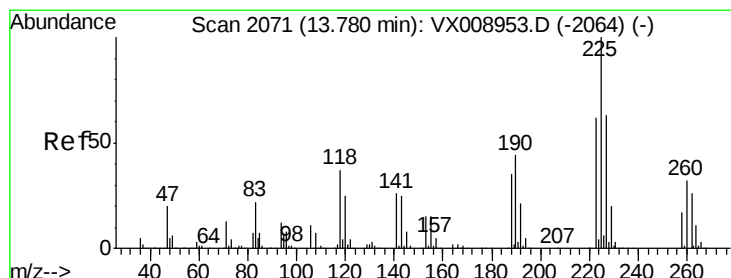
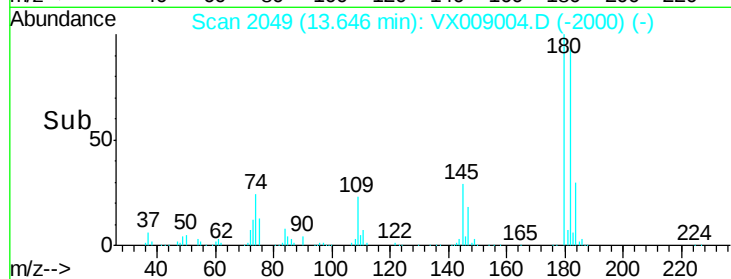
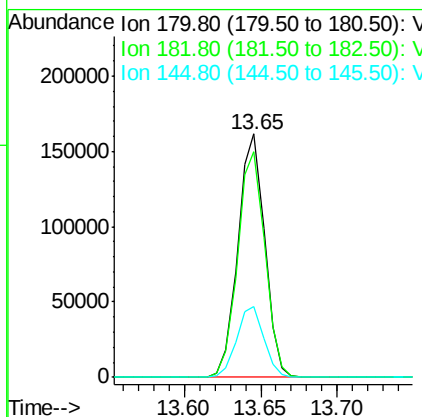
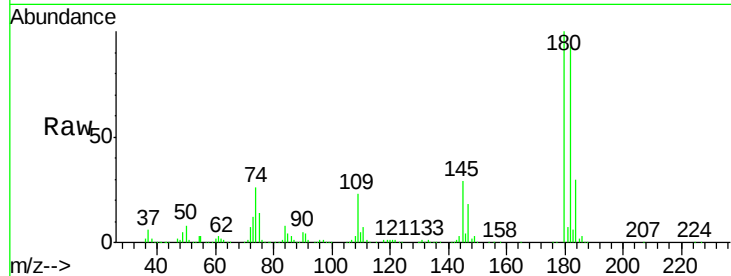
#93
 1,2,4-Trichlorobenzene
 Concen: 52.179 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX009004.D
 Acq: 17 Apr 2019 09:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	180	Resp:	195305
Ion Ratio	Lower	Upper	
180	100		
182	94.8	47.6	142.9
145	29.6	14.8	44.4

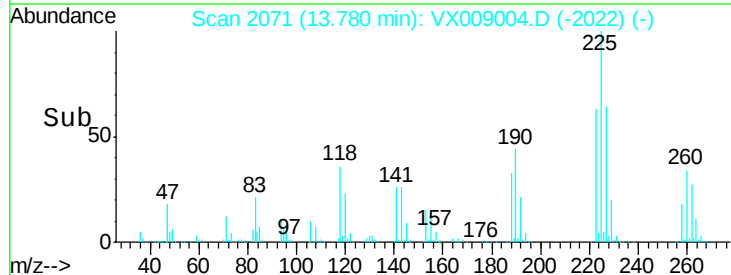
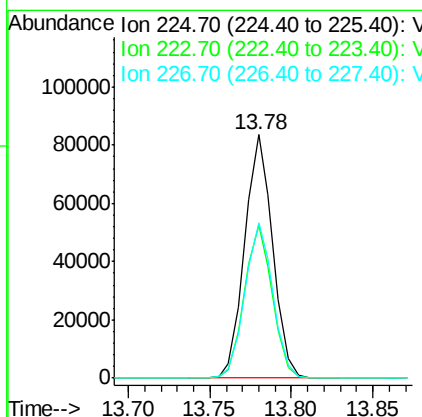
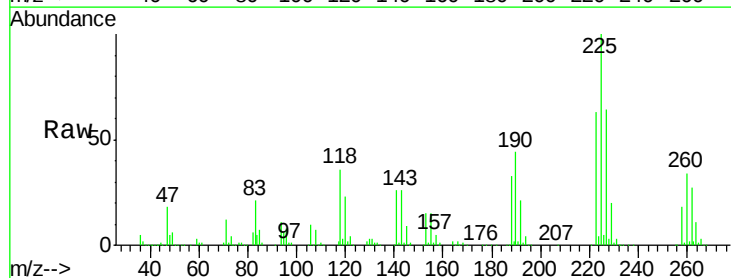
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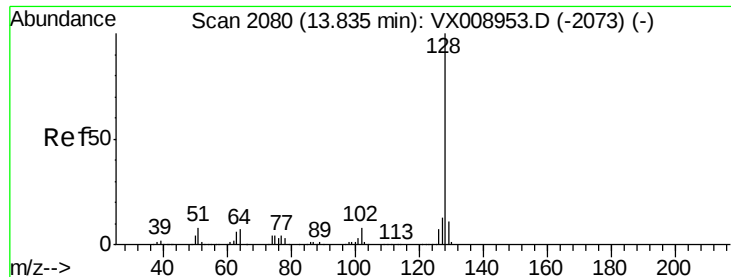
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#94
 Hexachlorobutadiene
 Concen: 53.466 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX009004.D
 Acq: 17 Apr 2019 09:47

Tgt Ion:	225	Resp:	99812
Ion Ratio	Lower	Upper	
225	100		
223	62.5	31.1	93.2
227	63.9	32.0	96.2





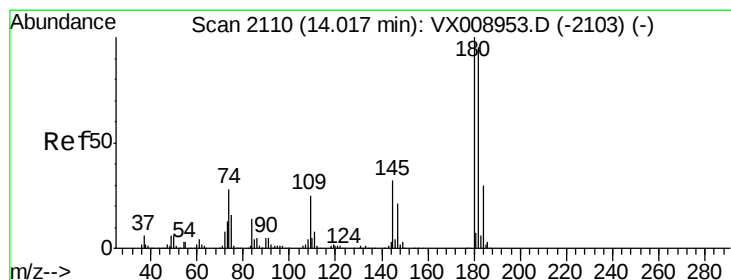
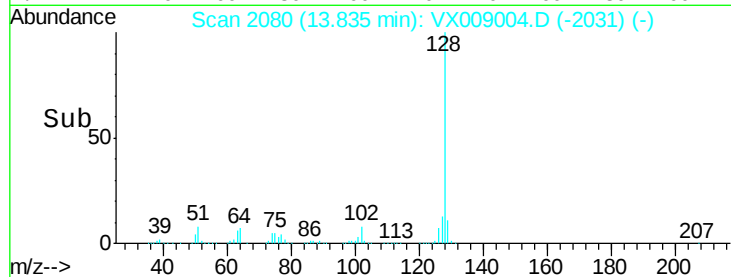
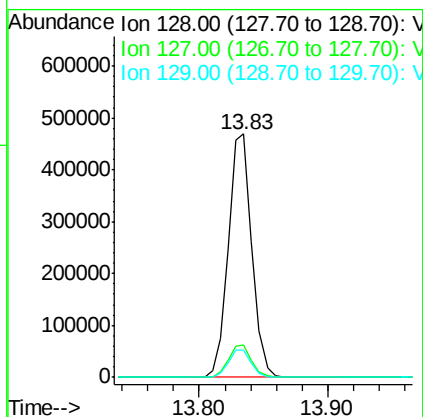
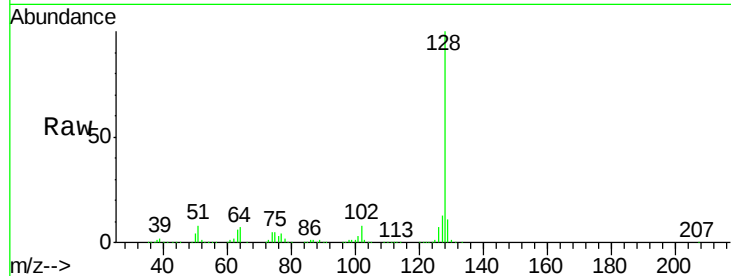
#95
Naphthalene
Concen: 50.093 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX009004.D
Acq: 17 Apr 2019 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.6	16.0
129	11.1	8.6	13.0

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 51.721 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX009004.D
Acq: 17 Apr 2019 09:47

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.8	143.4
145	31.0	15.8	47.3

