

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102618\
 Data File : VX005599.D
 Acq On : 26 Oct 2018 12:31
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: Oct 27 04:43:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 25 02:52:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	215984	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	301062	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	283939	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	167786	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	122090	46.31	ug/l	0.00
Spiked Amount			Recovery	=	92.62%	
35) Dibromofluoromethane	5.50	113	97673	47.91	ug/l	0.00
Spiked Amount			Recovery	=	95.82%	
50) Toluene-d8	8.71	98	375763	51.30	ug/l	0.00
Spiked Amount			Recovery	=	102.60%	
62) 4-Bromofluorobenzene	11.14	95	142800	51.62	ug/l	0.00
Spiked Amount			Recovery	=	103.24%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	129834	60.902	ug/l	99
3) Chloromethane	1.32	50	136682	50.345	ug/l	100
4) Vinyl Chloride	1.40	62	133367	49.959	ug/l	99
5) Bromomethane	1.64	94	82611	49.732	ug/l	98
6) Chloroethane	1.71	64	78149	45.825	ug/l	100
7) Trichlorofluoromethane	1.92	101	184963	49.864	ug/l	95
8) Diethyl Ether	2.19	74	68860	46.517	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	104110	48.918	ug/l	98
10) Methyl Iodide	2.51	142	125233	55.996	ug/l	99
11) Tert butyl alcohol	3.08	59	167542	236.150	ug/l	100
12) 1,1-Dichloroethene	2.37	96	96389	47.542	ug/l	94
13) Acrolein	2.29	56	75917	209.769	ug/l	100
14) Allyl chloride	2.72	41	214307	47.362	ug/l	99
15) Acrylonitrile	3.15	53	363725	228.627	ug/l	99
16) Acetone	2.45	43	349985	251.216	ug/l	98
17) Carbon Disulfide	2.56	76	292753	47.369	ug/l	100
18) Methyl Acetate	2.78	43	171205	49.737	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	339185	46.900	ug/l	99
20) Methylene Chloride	2.85	84	108846	46.649	ug/l	99
21) trans-1,2-Dichloroethene	3.16	96	102455	46.283	ug/l	96
22) Diisopropyl ether	3.87	45	372415	47.131	ug/l #	93
23) Vinyl Acetate	3.82	43	1720702	247.260	ug/l	99
24) 1,1-Dichloroethane	3.70	63	203161	47.291	ug/l	100
25) 2-Butanone	4.70	43	492614	232.200	ug/l	99
26) 2,2-Dichloropropane	4.58	77	150134	45.266	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	105538	44.223	ug/l	99
28) Bromochloromethane	5.02	49	93313	44.909	ug/l	98
29) Tetrahydrofuran	5.15	42	317343	229.854	ug/l	100
30) Chloroform	5.21	83	186701	46.460	ug/l	98
31) Cyclohexane	5.57	56	172211	48.449	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	164805	46.466	ug/l	99
36) 1,1-Dichloropropene	5.79	75	140761	48.178	ug/l	99
37) Ethyl Acetate	4.85	43	176420	47.319	ug/l	100
38) Carbon Tetrachloride	5.78	117	147921	48.070	ug/l	100

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	170219	52.761	ug/l	98
40) Benzene	6.14	78	409798	48.929	ug/l	99
41) Methacrylonitrile	5.06	41	96970	46.692	ug/l	99
42) 1,2-Dichloroethane	6.20	62	152027	47.782	ug/l	100
43) Isopropyl Acetate	6.46	43	261444	46.796	ug/l	99
44) Trichloroethene	7.21	130	112259	49.201	ug/l	98
45) 1,2-Dichloropropane	7.51	63	110018	48.860	ug/l	99
46) Dibromomethane	7.66	93	71886	49.430	ug/l	99
47) Bromodichloromethane	7.90	83	141012	49.958	ug/l	96
48) Methyl methacrylate	7.77	41	140382	51.578	ug/l	99
49) 1,4-Dioxane	7.75	88	60487	1016.947	ug/l	100
51) 4-Methyl-2-Pentanone	8.65	43	952505	253.680	ug/l	100
52) Toluene	8.79	92	262104	51.493	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	157361	51.584	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	171327	52.165	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	106821	49.776	ug/l	99
56) Ethyl methacrylate	9.18	69	165943	51.841	ug/l	100
57) 1,3-Dichloropropane	9.37	76	180248	49.640	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	455872	254.995	ug/l	100
59) 2-Hexanone	9.50	43	769704	259.997	ug/l	100
60) Dibromochloromethane	9.59	129	115444	51.560	ug/l	99
61) 1,2-Dibromoethane	9.67	107	112160	50.519	ug/l	100
64) Tetrachloroethene	9.34	164	120157	50.977	ug/l	99
65) Chlorobenzene	10.14	112	297188	49.152	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	108475	49.203	ug/l	99
67) Ethyl Benzene	10.25	91	511056	51.373	ug/l	100
68) m/p-Xylenes	10.36	106	399813	103.592	ug/l	99
69) o-Xylene	10.70	106	188244	51.842	ug/l	100
70) Styrene	10.71	104	323243	53.178	ug/l	100
71) Bromoform	10.86	173	97314	49.465	ug/l	99
73) Isopropylbenzene	11.02	105	523240	51.016	ug/l	99
74) N-amyl acetate	10.90	43	248245	48.847	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	177021	46.782	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	214541	60.349	ug/l	86
77) Bromobenzene	11.26	156	139528	48.814	ug/l	98
78) n-propylbenzene	11.36	91	618772	52.761	ug/l	99
79) 2-Chlorotoluene	11.42	91	363194	49.947	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	456996	52.086	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	54338	49.944	ug/l	98
82) 4-Chlorotoluene	11.51	91	435915	50.839	ug/l	100
83) tert-Butylbenzene	11.77	119	442819	50.632	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	471519	53.026	ug/l	100
85) sec-Butylbenzene	11.94	105	541120	51.851	ug/l	99
86) p-Isopropyltoluene	12.07	119	497397	53.316	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	264778	49.260	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	271882	48.458	ug/l	99
89) n-Butylbenzene	12.39	91	446208	52.980	ug/l	100
90) Hexachloroethane	12.60	117	80287	49.898	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	263850	48.518	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	43355	47.387	ug/l	98

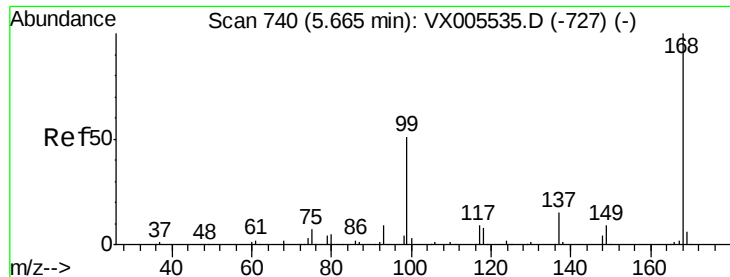
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX102618\
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ClientSampleId :
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Quant Title : SW846 8260
QLast Update : Thu Oct 25 02:52:45 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	203237	51.555	ug/l	99
94) Hexachlorobutadiene	13.79	225	101697	49.781	ug/l	99
95) Naphthalene	13.83	128	599172	52.289	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	202560	50.690	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX005599.D

Acq: 26 Oct 2018 12:31

Instrument :

MSVOA_X

ClientSampleId :

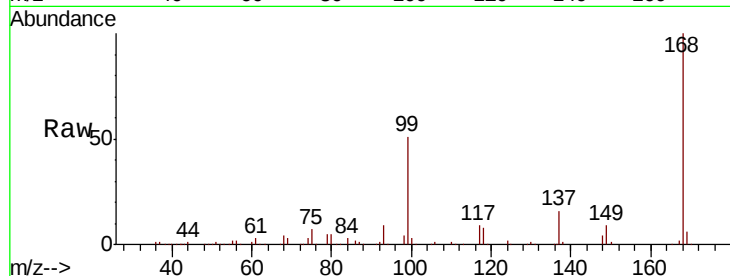
VSTDCCC050

Tot Ion:168 Resp: 215984

Ion Ratio Lower Upper

168 100

99 50.7 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

60000

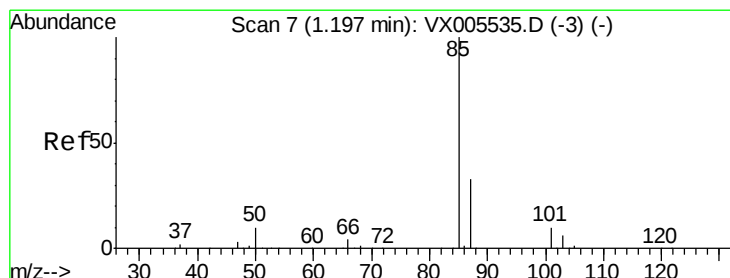
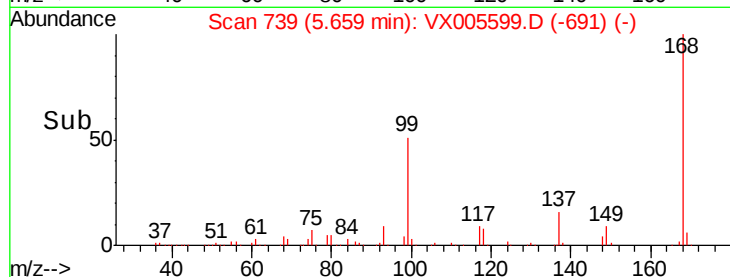
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 60.902 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX005599.D

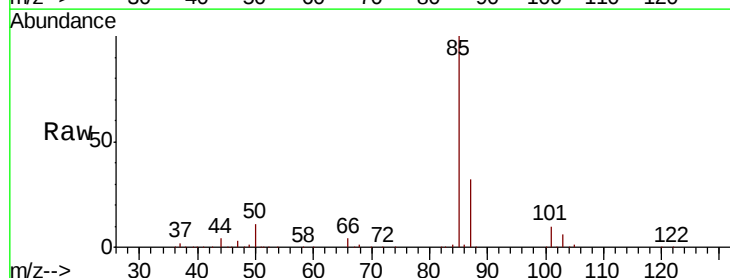
Acq: 26 Oct 2018 12:31

Tgt Ion: 85 Resp: 129834

Ion Ratio Lower Upper

85 100

87 32.1 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

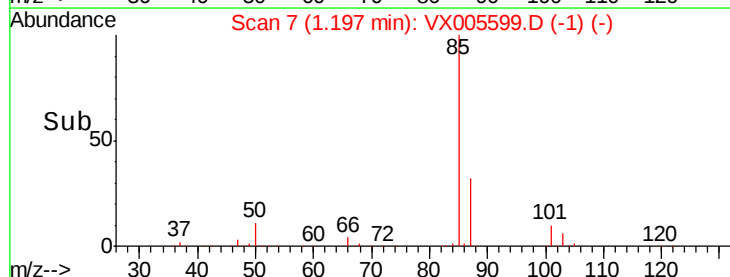
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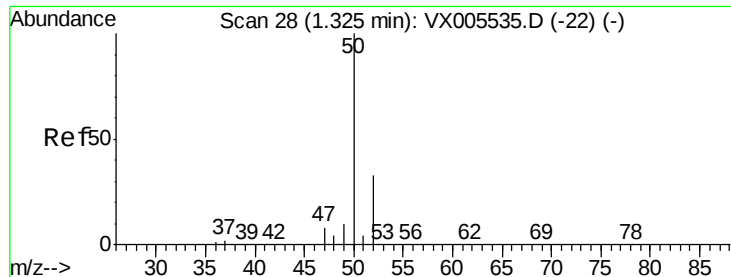
50000

0

Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 50.345 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005599.D

Acq: 26 Oct 2018 12:31

Instrument :

MSVOA_X

ClientSampleId :

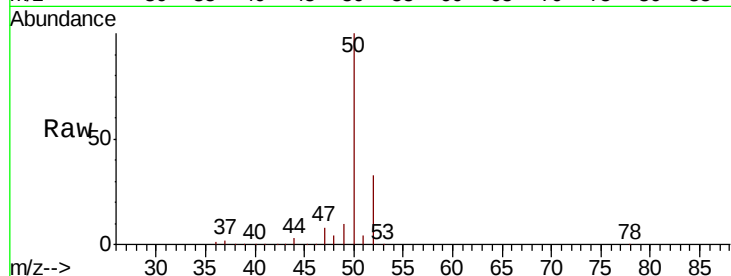
VSTDCCC050

Tot Ion: 50 Resp: 136682

Ion Ratio Lower Upper

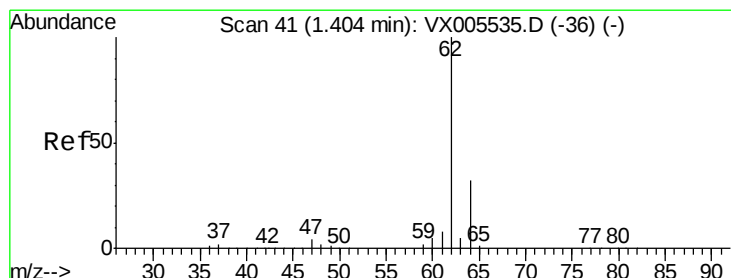
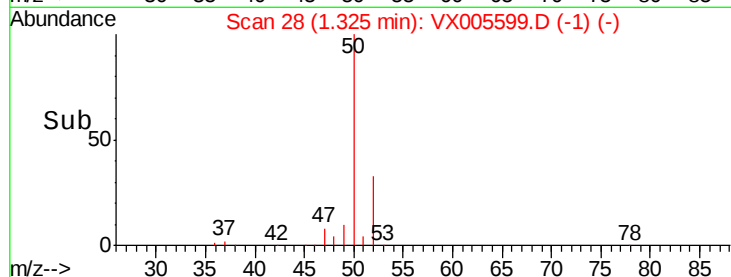
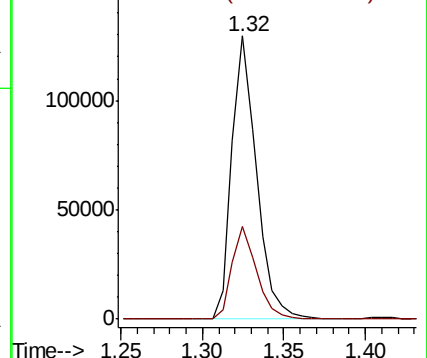
50 100

52 32.8 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 49.959 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX005599.D

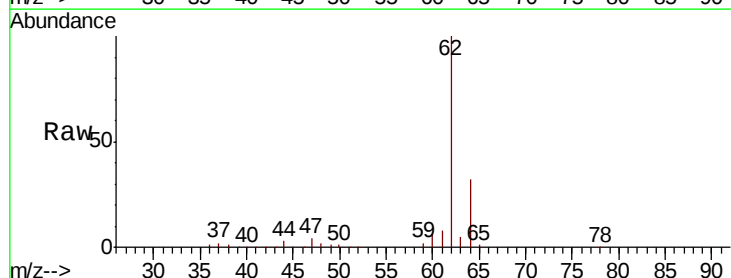
Acq: 26 Oct 2018 12:31

Tgt Ion: 62 Resp: 133367

Ion Ratio Lower Upper

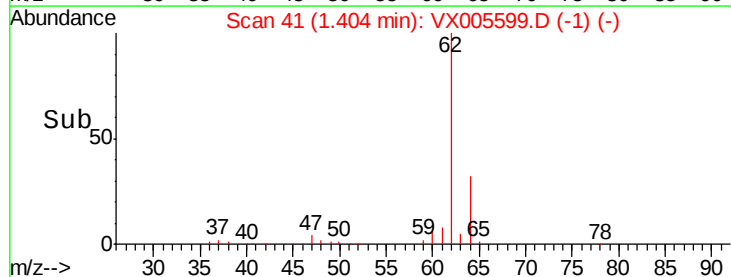
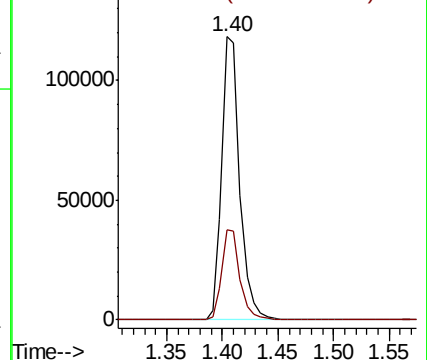
62 100

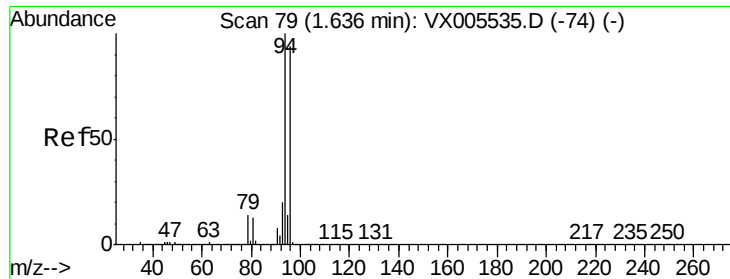
64 32.0 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 49.732 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX005599.D

Acq: 26 Oct 2018 12:31

Instrument :

MSVOA_X

ClientSampleId :

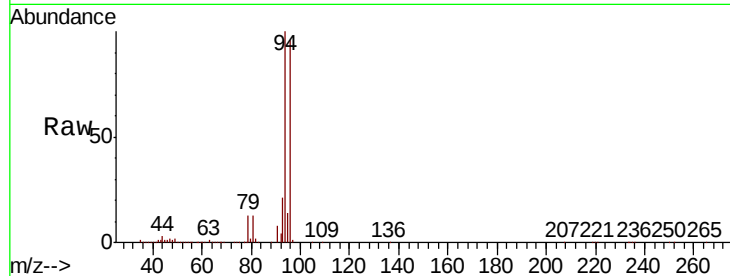
VSTDCCC050

Tot Ion: 94 Resp: 82611

Ion Ratio Lower Upper

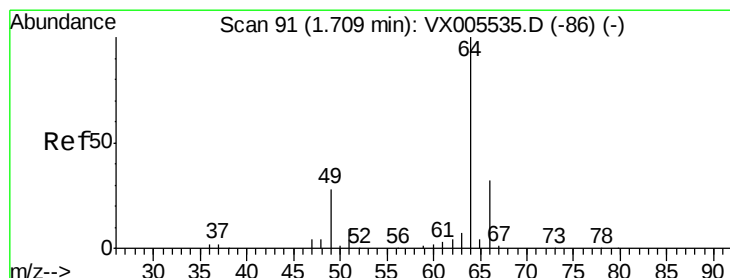
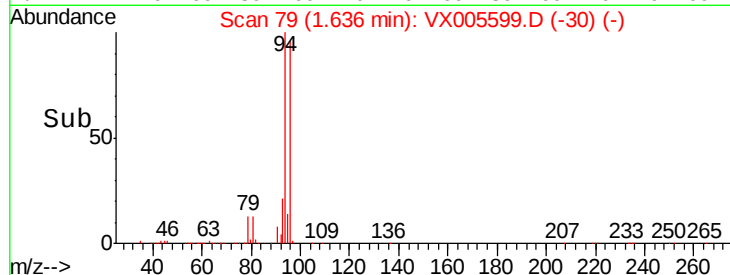
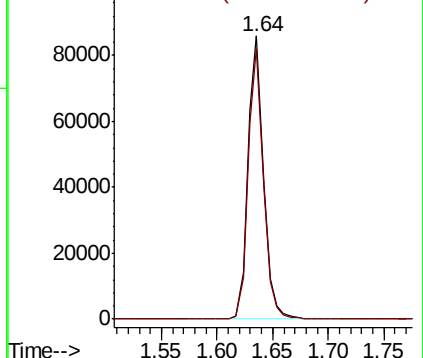
94 100

96 95.5 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 45.825 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.00 min

Lab File: VX005599.D

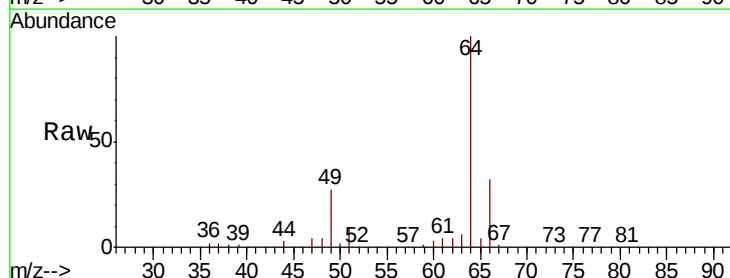
Acq: 26 Oct 2018 12:31

Tgt Ion: 64 Resp: 78149

Ion Ratio Lower Upper

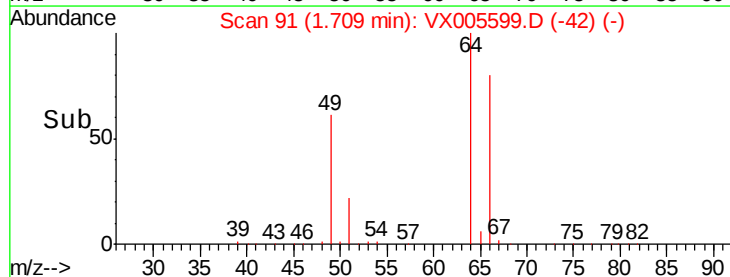
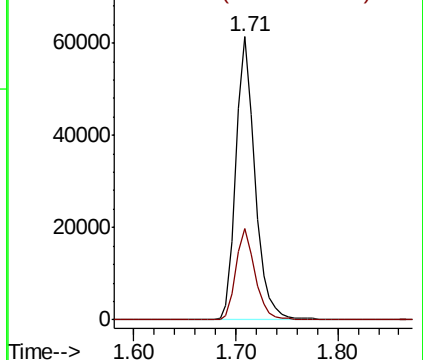
64 100

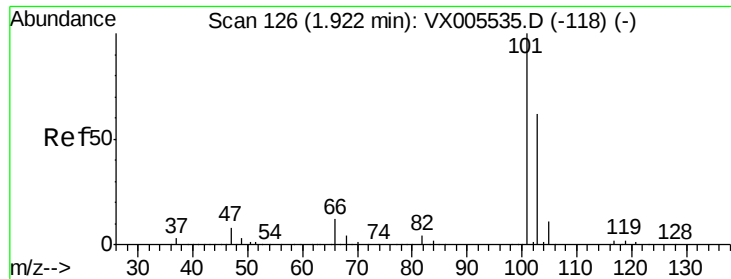
66 32.0 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



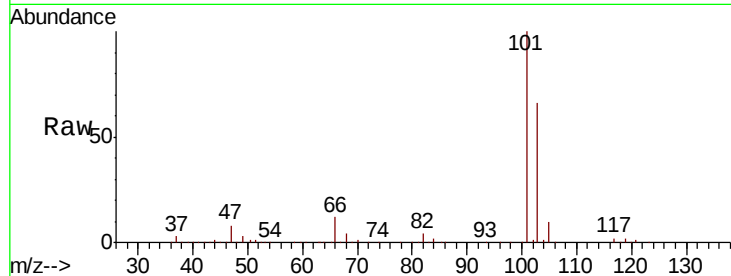


#7

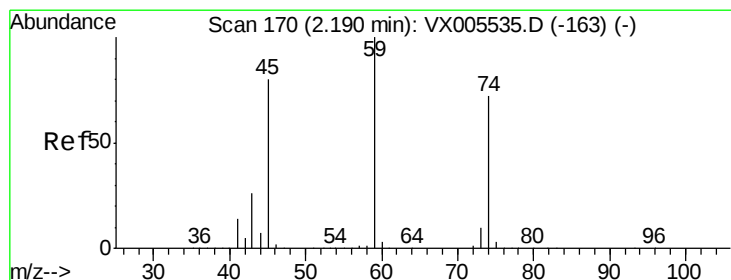
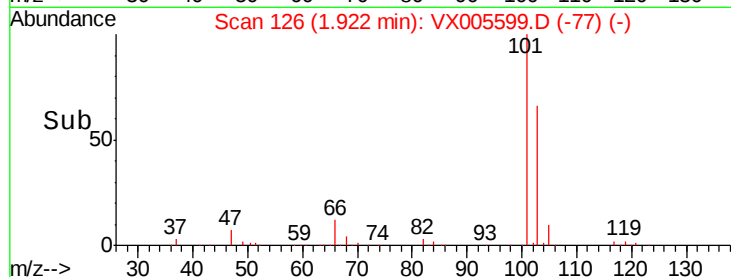
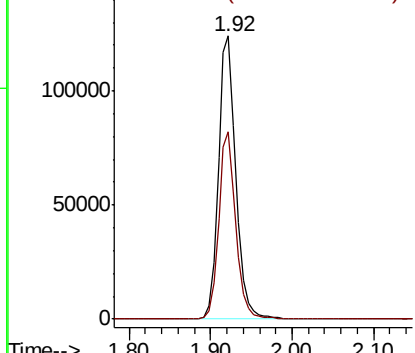
Trichlorofluoromethane
Concen: 49.864 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.00 min
Lab File: VX005599.D
Acq: 26 Oct 2018 12:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:101 Resp: 184963
Ion Ratio Lower Upper
101 100
103 66.0 50.0 75.0



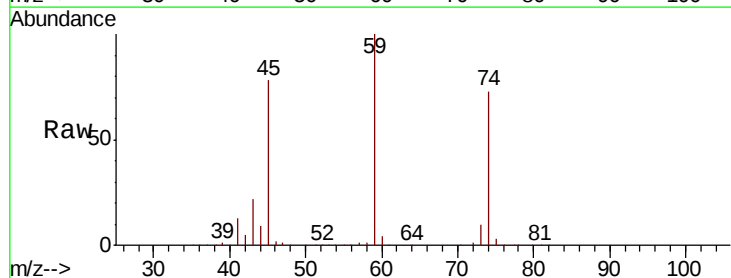
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



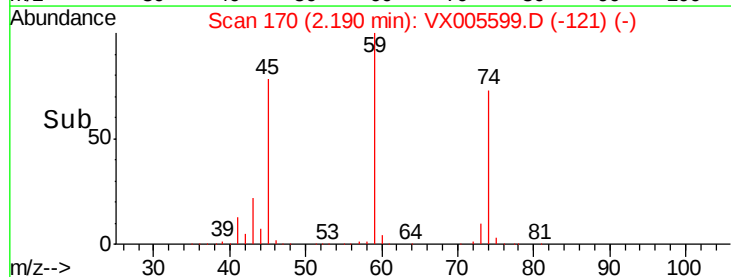
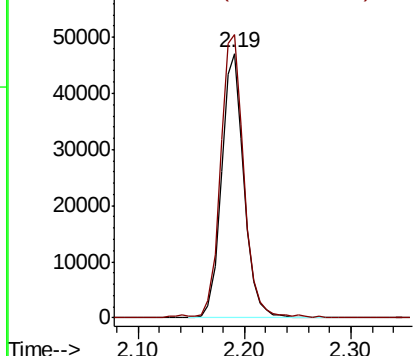
#8

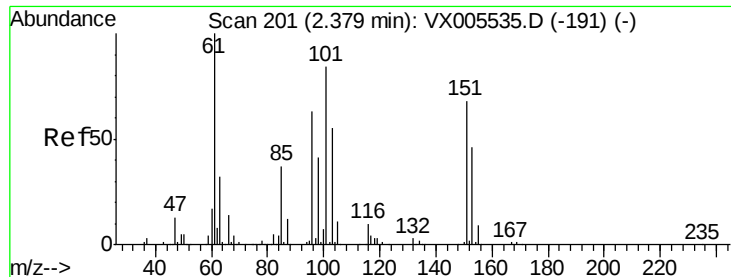
Diethyl Ether
Concen: 46.517 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX005599.D
Acq: 26 Oct 2018 12:31

Tgt Ion: 74 Resp: 68860
Ion Ratio Lower Upper
74 100
45 110.5 54.1 162.3



Abundance Ion 74.00 (73.70 to 74.70): VX0
Ion 45.00 (44.70 to 45.70): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.918 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX005599.D

Acq: 26 Oct 2018 12:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

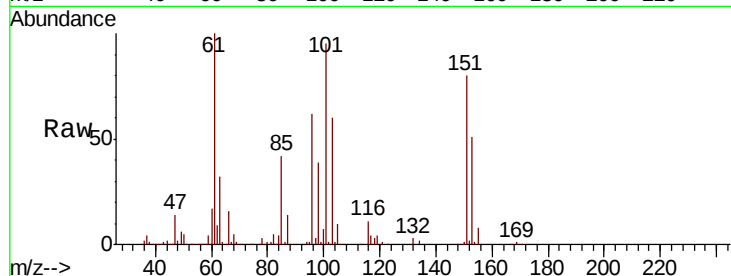
Tot Ion:101 Resp: 104110

Ion Ratio Lower Upper

101 100

85 45.0 35.0 52.4

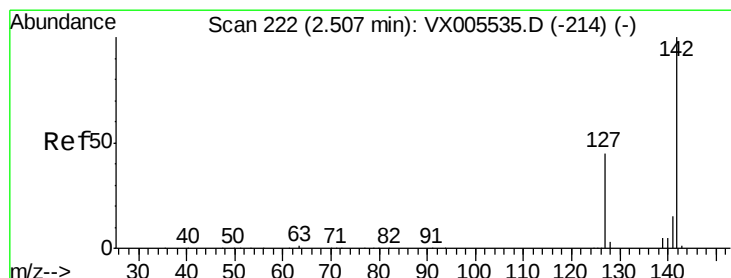
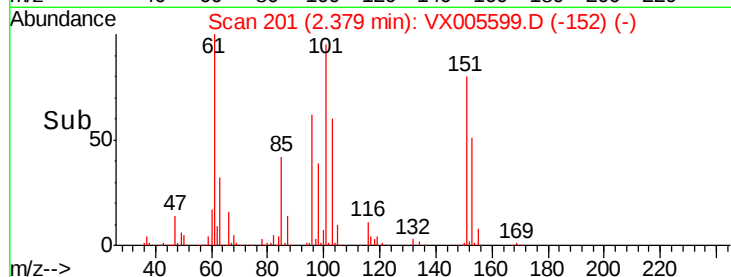
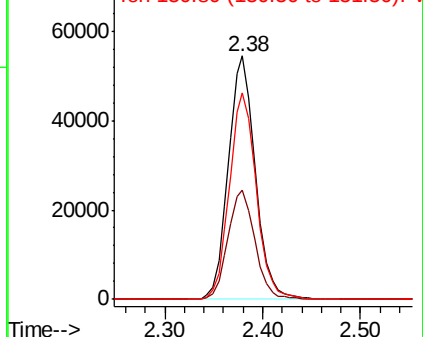
151 84.9 66.2 99.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 55.996 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX005599.D

Acq: 26 Oct 2018 12:31

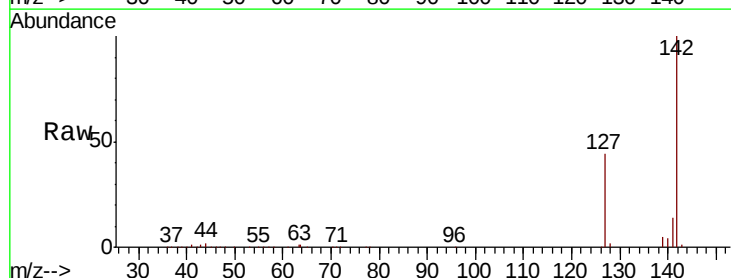
Tgt Ion:142 Resp: 125233

Ion Ratio Lower Upper

142 100

127 44.6 36.0 54.0

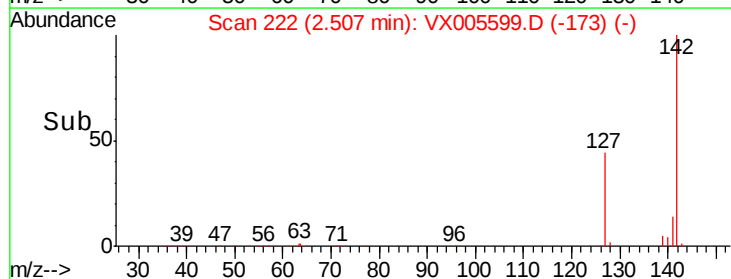
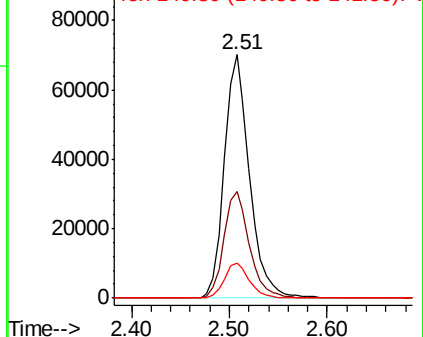
141 14.3 11.7 17.5

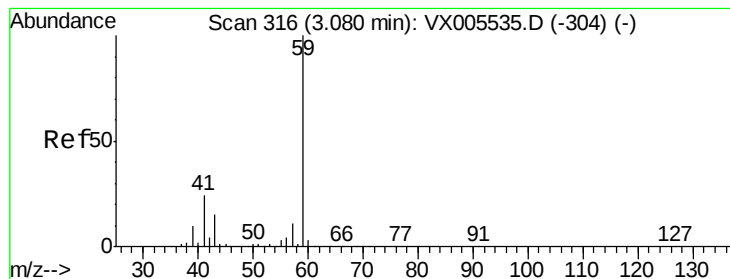


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 236.150 ug/l

RT: 3.08 min Scan# 316

Delta R.T. -0.00 min

Lab File: VX005599.D

Acq: 26 Oct 2018 12:31

Instrument :

MSVOA_X

ClientSampleId :

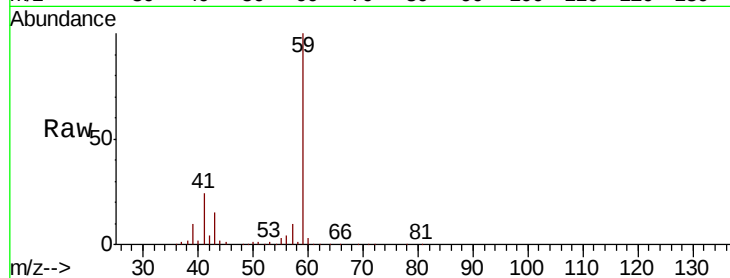
VSTDCCC050

Tot Ion: 59 Resp: 167542

Ion Ratio Lower Upper

59 100

57 10.6 8.5 12.7



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.08

80000

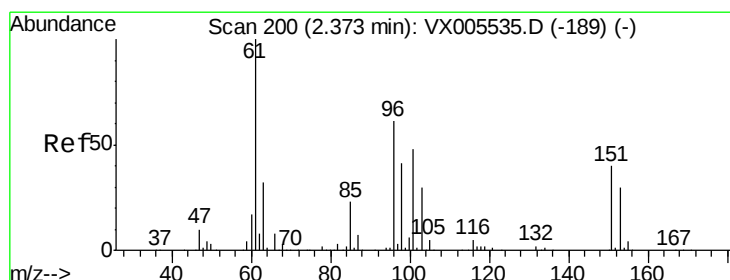
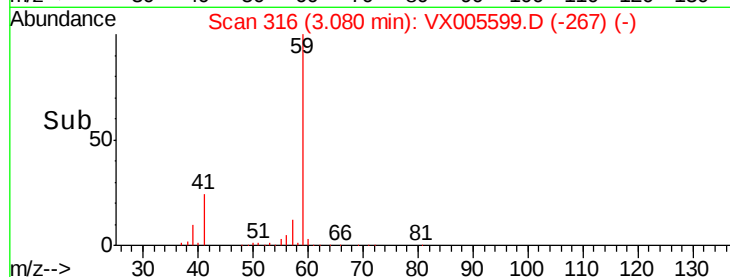
60000

40000

20000

0

Time-->



#12

1,1-Dichloroethene

Concen: 47.542 ug/l

RT: 2.37 min Scan# 199

Delta R.T. -0.01 min

Lab File: VX005599.D

Acq: 26 Oct 2018 12:31

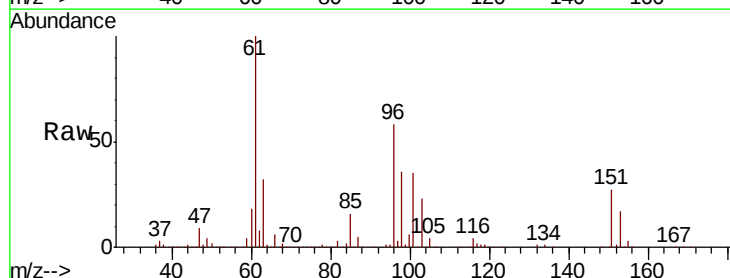
Tgt Ion: 96 Resp: 96389

Ion Ratio Lower Upper

96 100

61 173.9 131.8 197.8

98 63.0 53.4 80.2



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

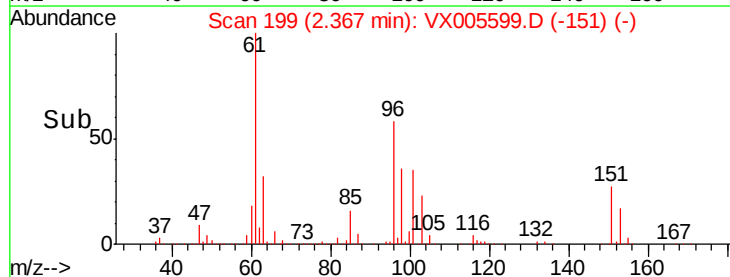
2.37

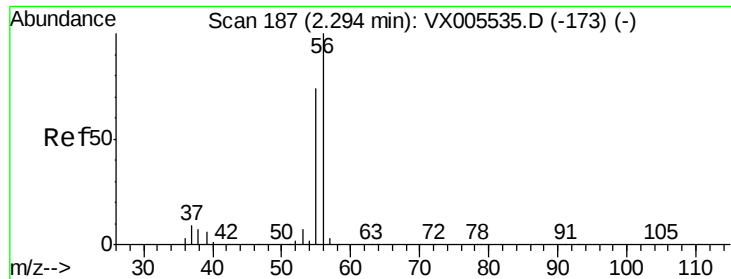
100000

50000

0

Time-->

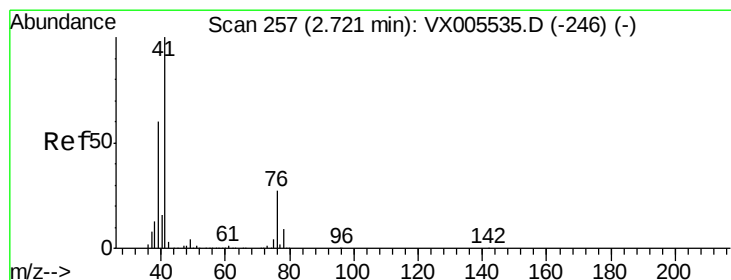
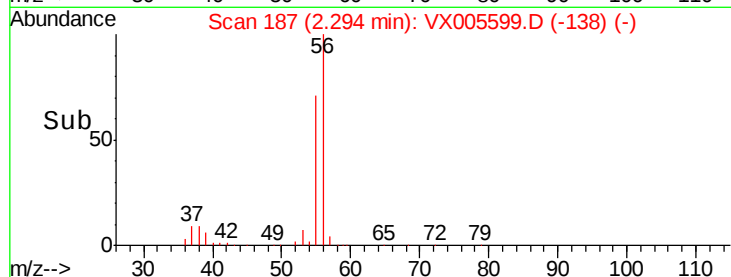
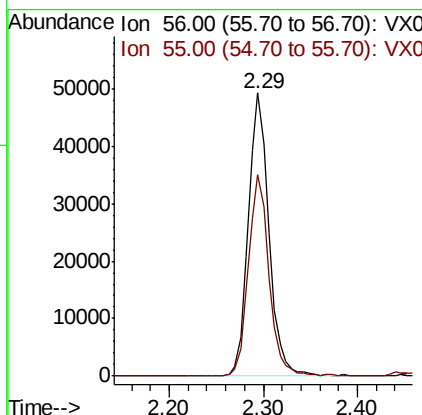
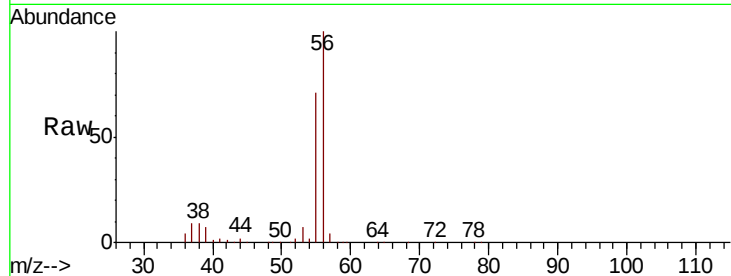




#13
Acrolein
Concen: 209.769 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.00 min
Lab File: VX005599.D
Acq: 26 Oct 2018 12:31

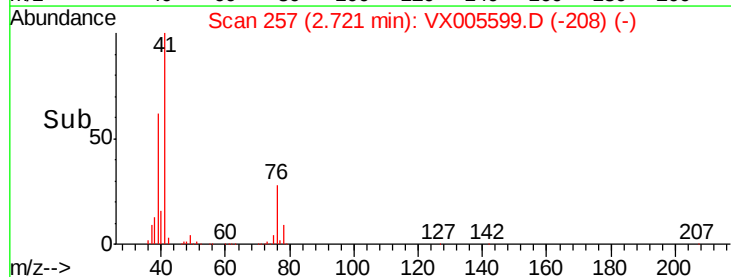
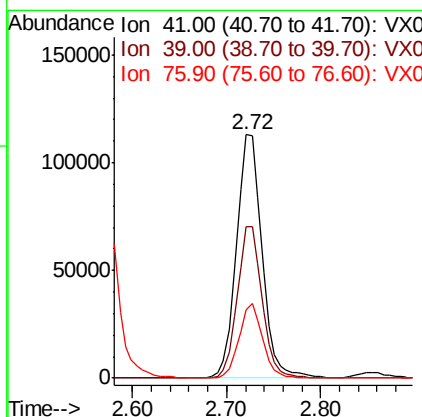
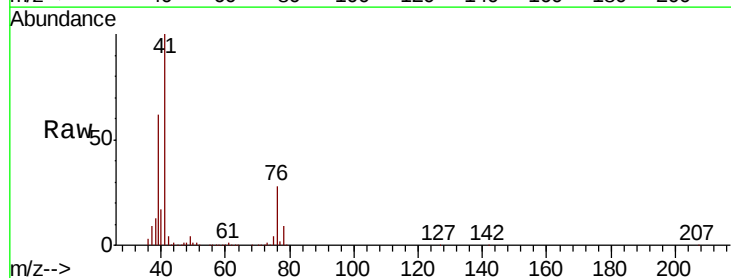
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

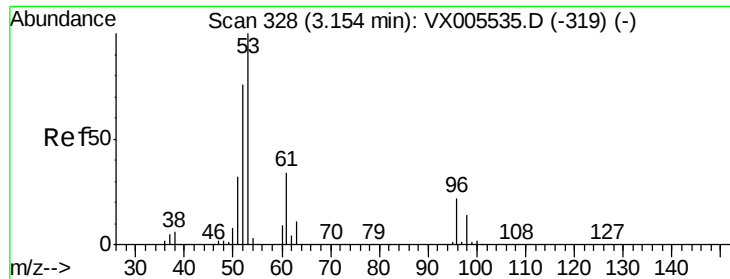
Tot Ion: 56 Resp: 75917
Ion Ratio Lower Upper
56 100
55 71.7 57.3 85.9



#14
Allyl chloride
Concen: 47.362 ug/l
RT: 2.72 min Scan# 257
Delta R.T. -0.00 min
Lab File: VX005599.D
Acq: 26 Oct 2018 12:31

Tgt Ion: 41 Resp: 214307
Ion Ratio Lower Upper
41 100
39 60.3 48.2 72.4
76 28.4 21.9 32.9





#15

Acrylonitrile

Concen: 228.627 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX005599.D

Acq: 26 Oct 2018 12:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

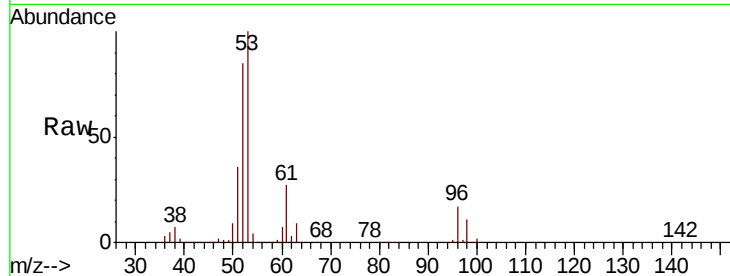
Tot Ion: 53 Resp: 363725

Ion Ratio Lower Upper

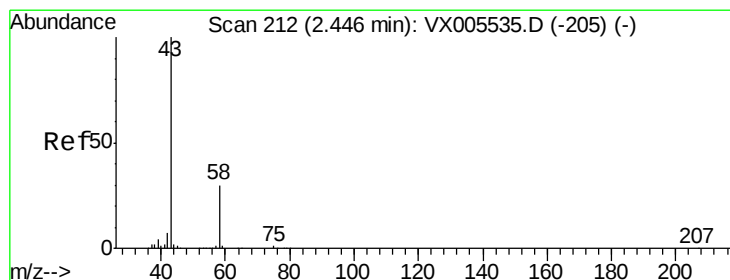
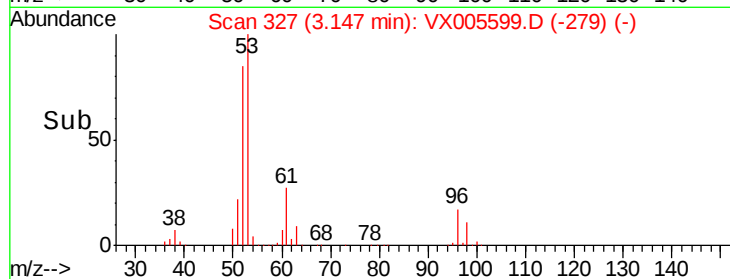
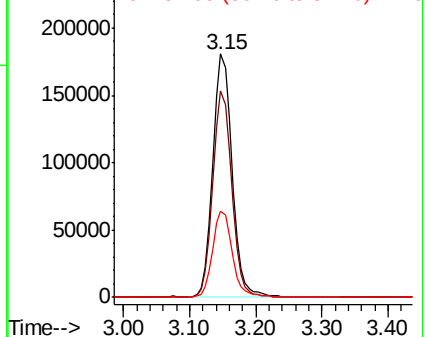
53 100

52 84.2 66.6 99.8

51 36.3 28.4 42.6



Abundance Ion 53.00 (52.70 to 53.70): VX0
Ion 52.00 (51.70 to 52.70): VX0
Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 251.216 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX005599.D

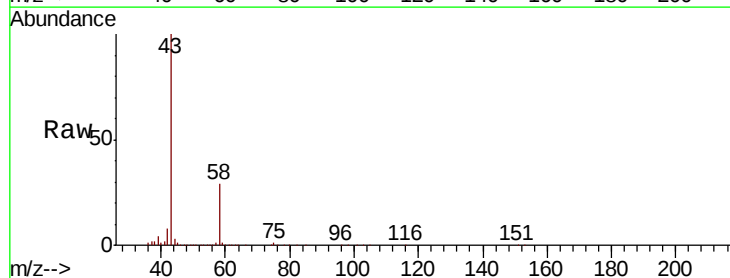
Acq: 26 Oct 2018 12:31

Tgt Ion: 43 Resp: 349985

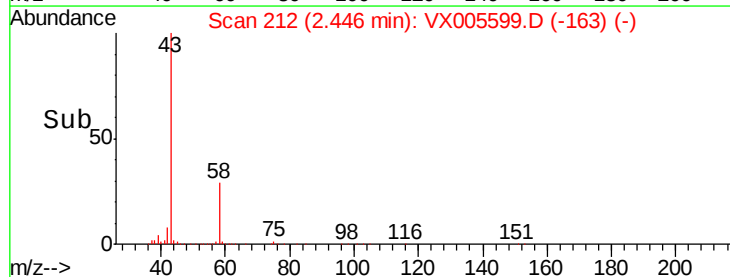
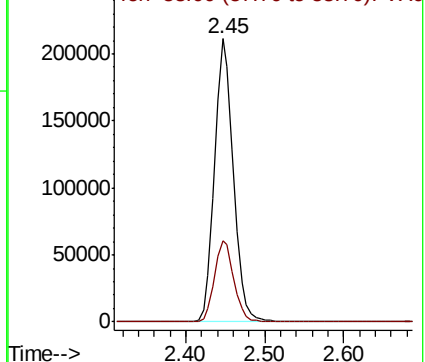
Ion Ratio Lower Upper

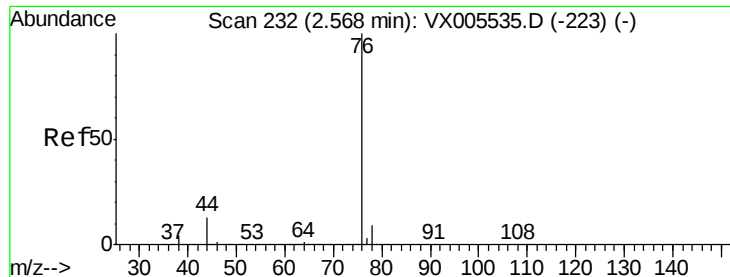
43 100

58 28.6 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 47.369 ug/l

RT: 2.56 min Scan# 231

Delta R.T. -0.01 min

Lab File: VX005599.D

Acq: 26 Oct 2018 12:31

Instrument :

MSVOA_X

ClientSampleId :

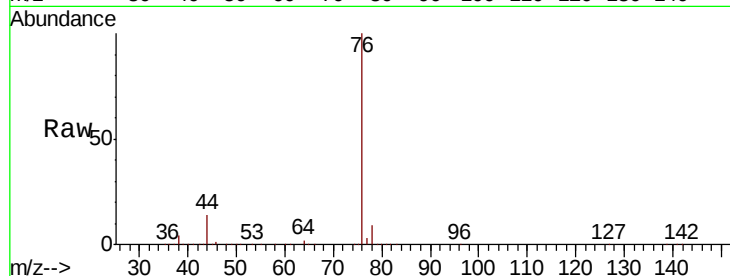
VSTDCCC050

Tot Ion: 76 Resp: 292753

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

200000

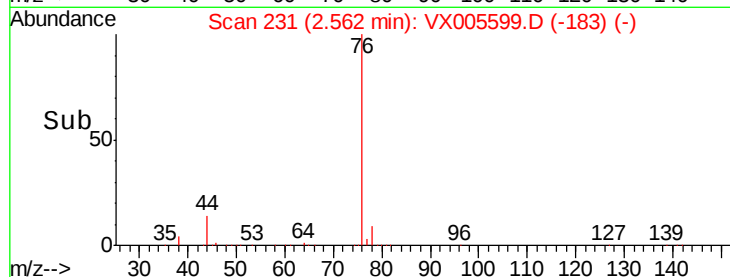
150000

100000

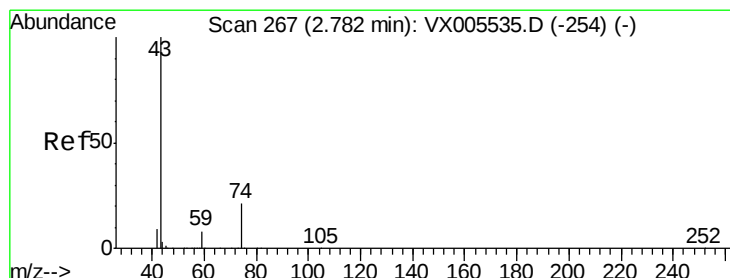
50000

0

Time-->



Time-->



#18

Methyl Acetate

Concen: 49.737 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX005599.D

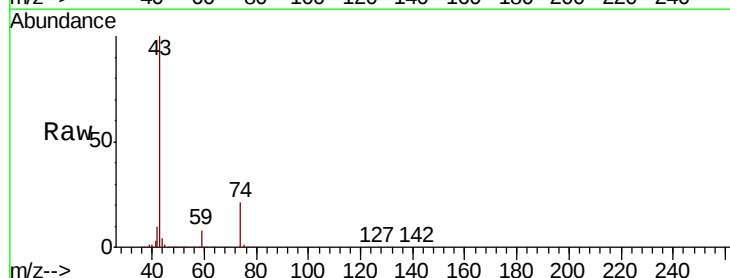
Acq: 26 Oct 2018 12:31

Tgt Ion: 43 Resp: 171205

Ion Ratio Lower Upper

43 100

74 20.2 16.8 25.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

100000

80000

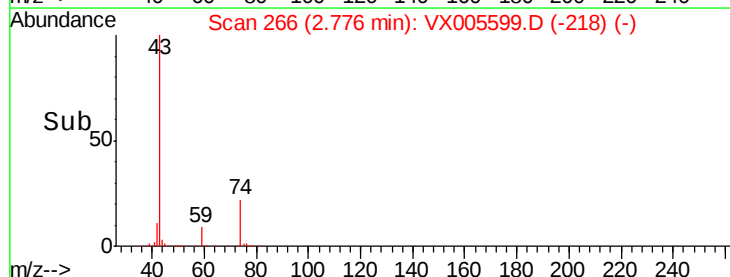
60000

40000

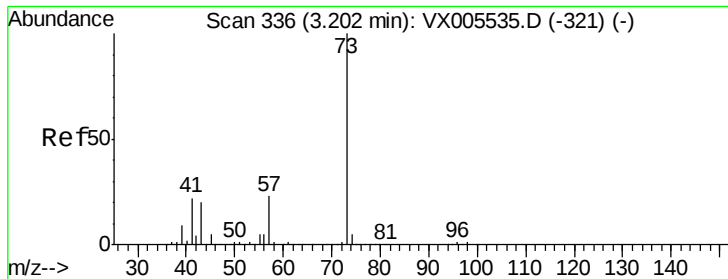
20000

0

Time-->



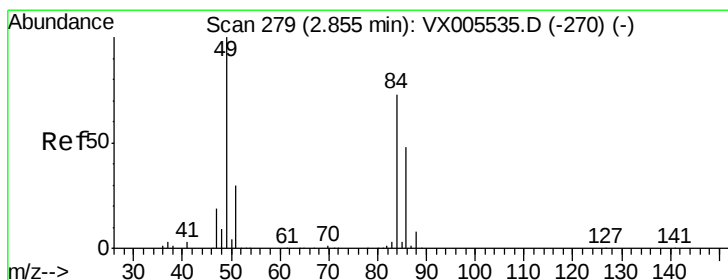
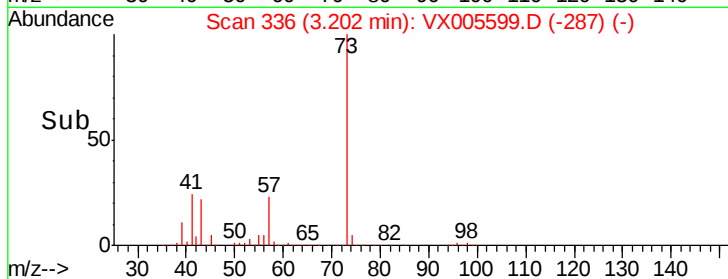
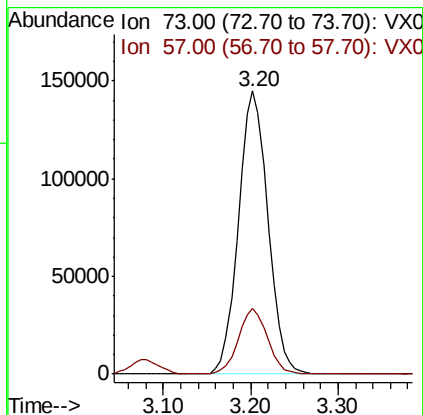
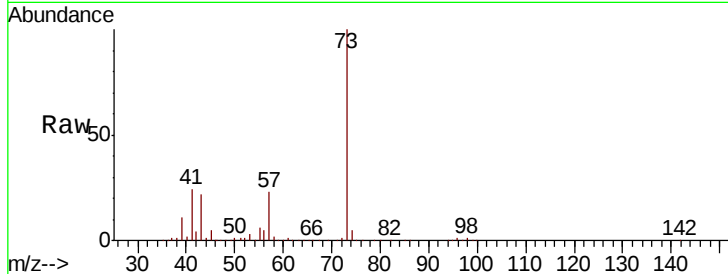
Time-->



#19
Methvl tert-butvl Ether
Concen: 46.900 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX005599.D
Acq: 26 Oct 2018 12:31

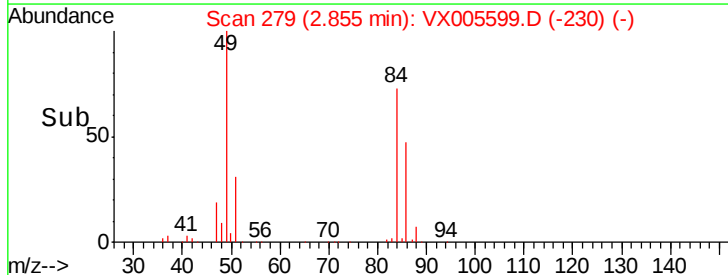
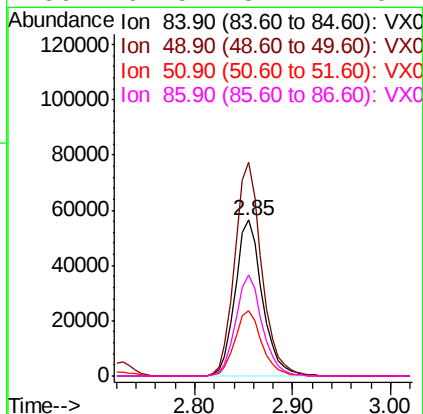
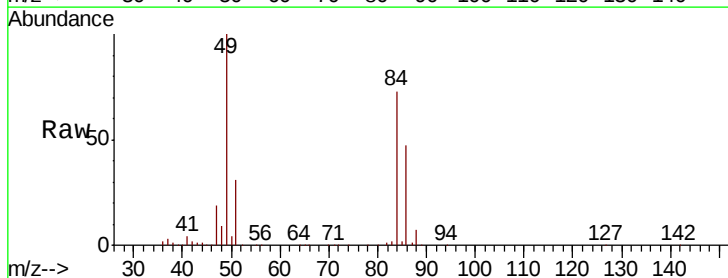
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

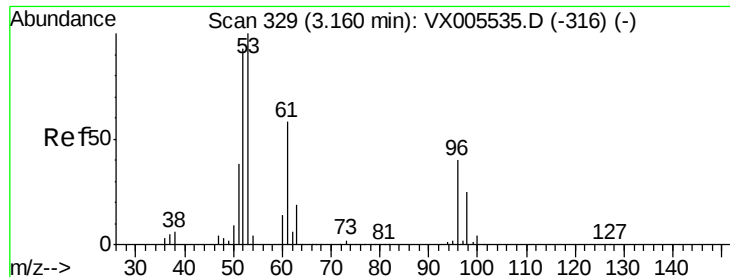
Tot Ion: 73 Resp: 339185
Ion Ratio Lower Upper
73 100
57 23.0 18.8 28.2



#20
Methylene Chloride
Concen: 46.649 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX005599.D
Acq: 26 Oct 2018 12:31

Tgt Ion: 84 Resp: 108846
Ion Ratio Lower Upper
84 100
49 136.7 109.5 164.3
51 42.1 33.3 49.9
86 64.5 52.7 79.1





#21

trans-1,2-Dichloroethene

Concen: 46.283 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.00 min

Lab File: VX005599.D

Acq: 26 Oct 2018 12:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

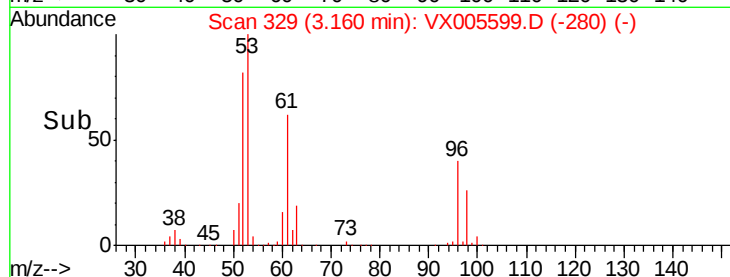
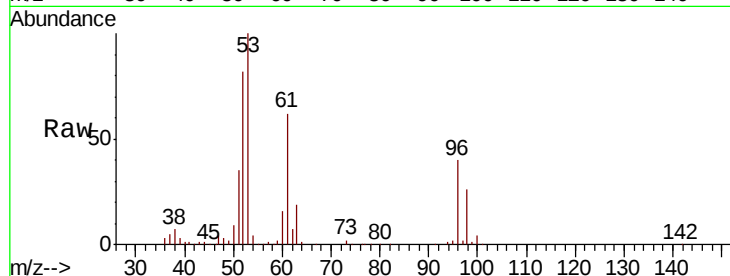
Tot Ion: 96 Resp: 102455

Ion Ratio Lower Upper

96 100

61 152.1 115.6 173.4

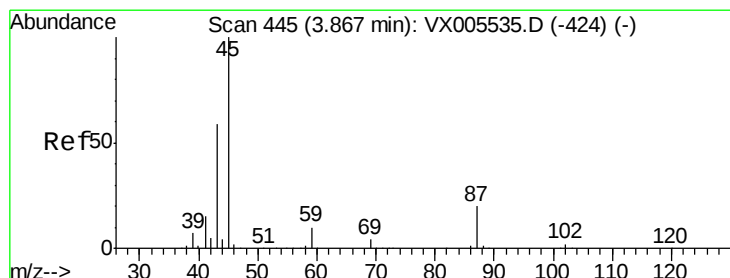
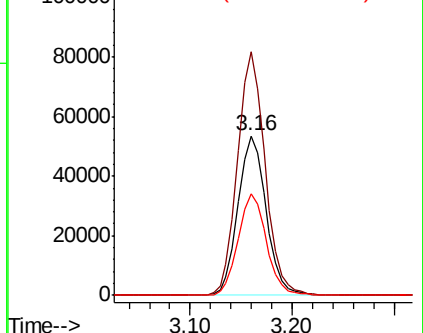
98 63.3 50.2 75.2



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: 47.131 ug/l

RT: 3.87 min Scan# 445

Delta R.T. -0.00 min

Lab File: VX005599.D

Acq: 26 Oct 2018 12:31

Tgt Ion: 45 Resp: 372415

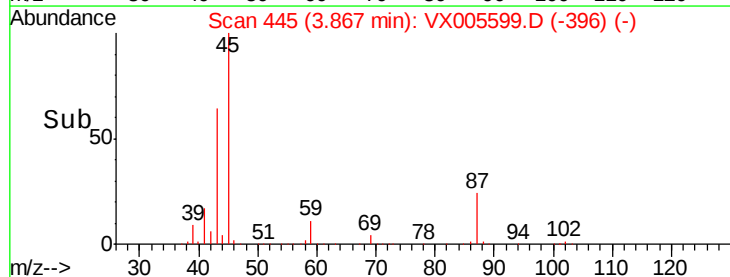
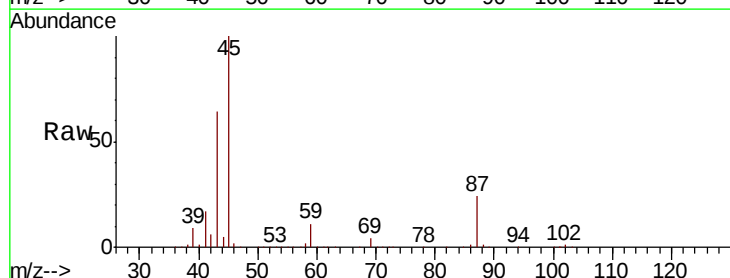
Ion Ratio Lower Upper

45 100

43 63.8 47.4 71.2

87 24.4 15.9 23.9#

59 10.8 7.7 11.5

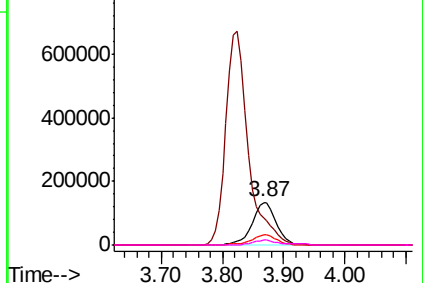


Abundance Ion 45.00 (44.70 to 45.70): VX0

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: 247.260 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.00 min

Lab File: VX005599.D

Acq: 26 Oct 2018 12:31

Instrument :

MSVOA_X

ClientSampleId :

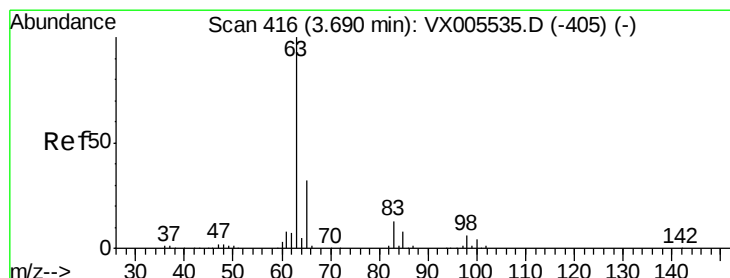
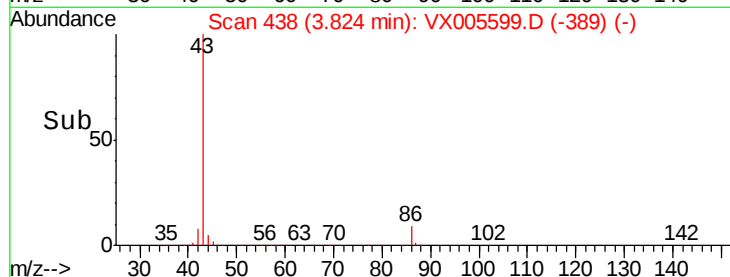
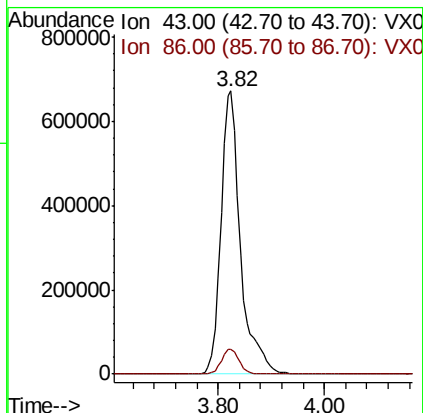
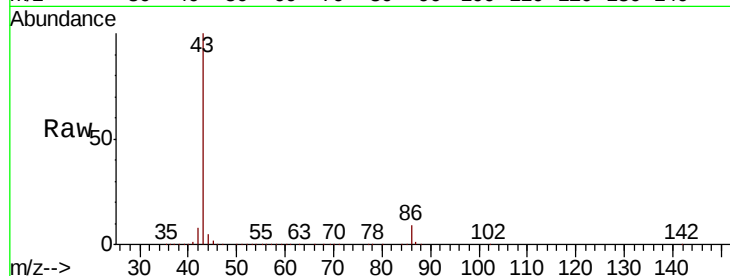
VSTDCCC050

Tot Ion: 43 Resp: 1720702

Ion Ratio Lower Upper

43 100

86 8.9 7.4 11.2



#24

1,1-Dichloroethane

Concen: 47.291 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX005599.D

Acq: 26 Oct 2018 12:31

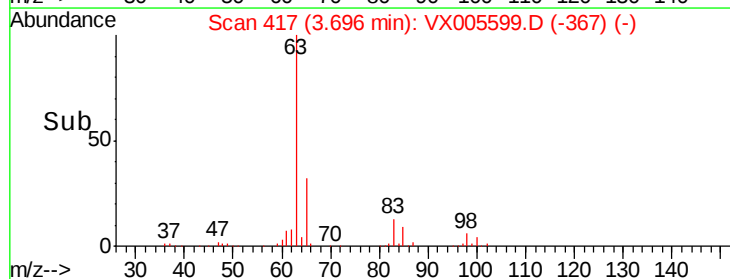
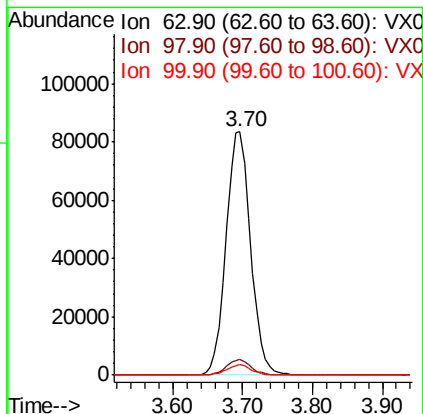
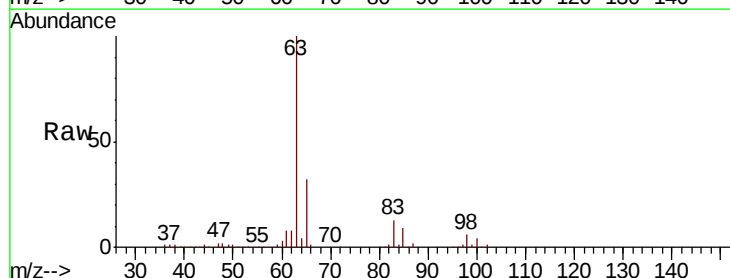
Tgt Ion: 63 Resp: 203161

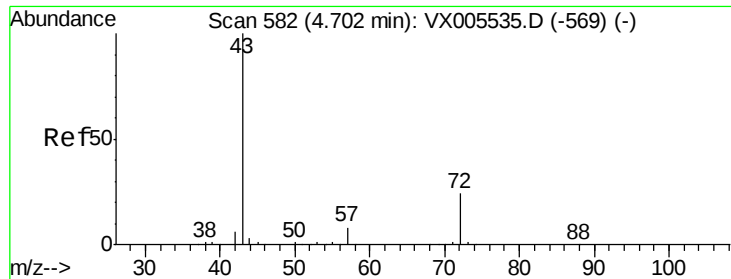
Ion Ratio Lower Upper

63 100

98 6.2 3.2 9.6

100 4.1 2.1 6.2





#25

2-Butanone

Concen: 232.200 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX005599.D

Acq: 26 Oct 2018 12:31

Instrument :

MSVOA_X

ClientSampleId :

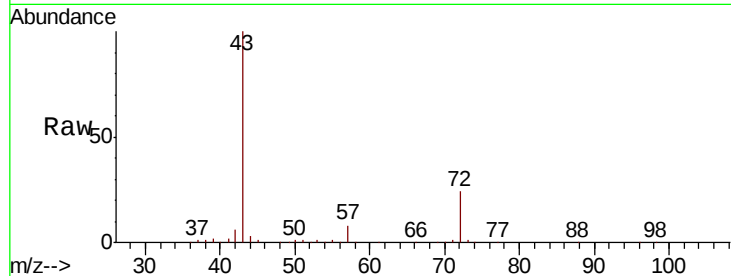
VSTDCCC050

Tot Ion: 43 Resp: 492614

Ion Ratio Lower Upper

43 100

72 23.5 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

200000

150000

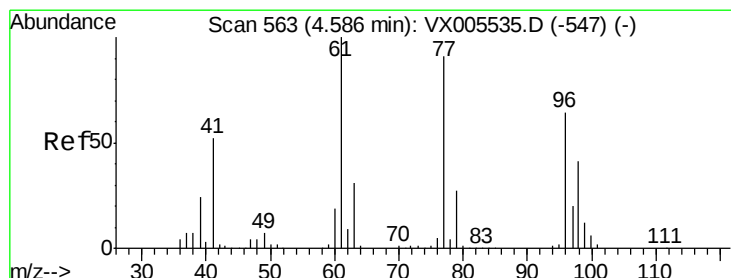
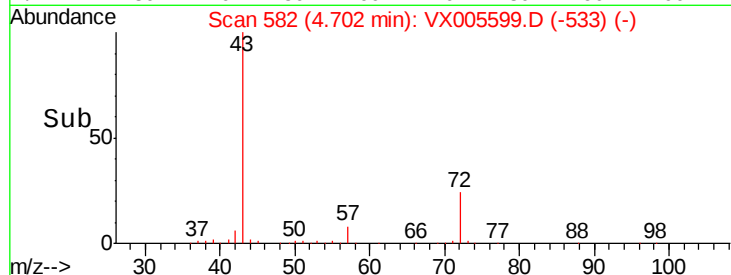
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 45.266 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX005599.D

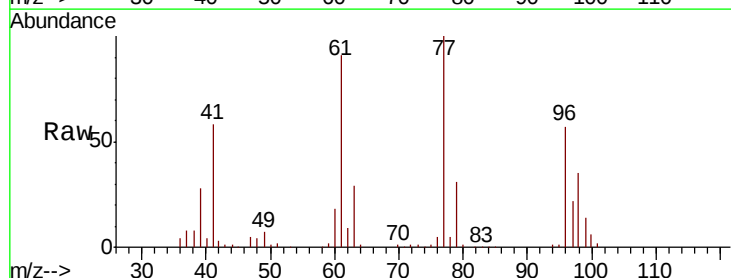
Acq: 26 Oct 2018 12:31

Tgt Ion: 77 Resp: 150134

Ion Ratio Lower Upper

77 100

97 22.7 11.5 34.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

50000

40000

30000

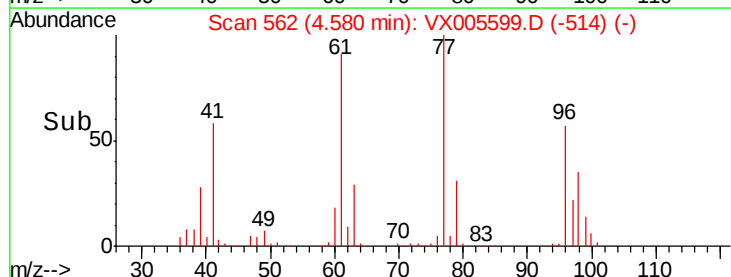
20000

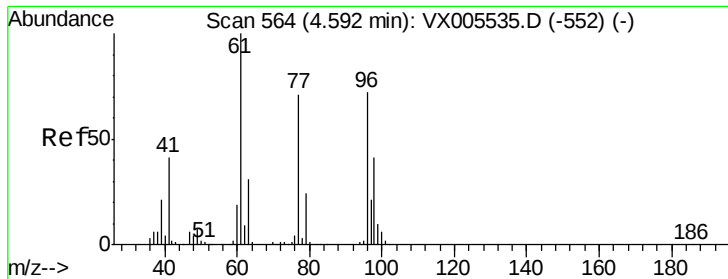
10000

0

4.40 4.50 4.60 4.70

Time-->



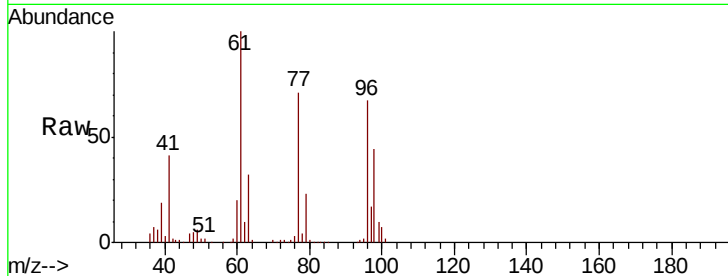


#27

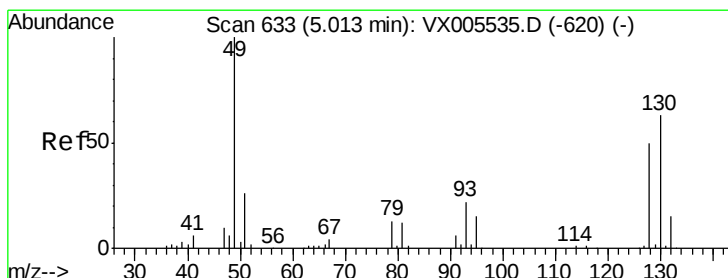
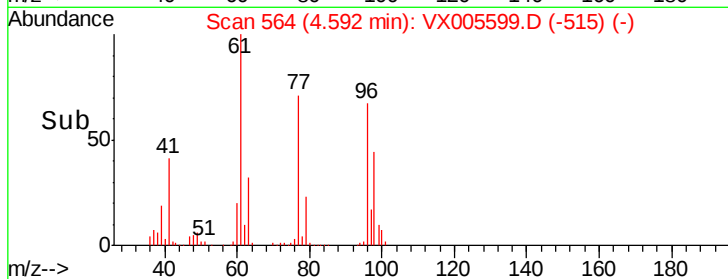
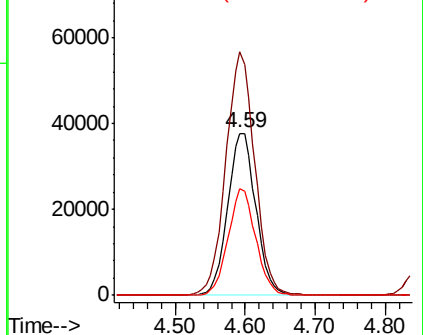
cis-1,2-Dichloroethene
Concen: 44.223 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.00 min
Lab File: VX005599.D
Acq: 26 Oct 2018 12:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	154.1	0.0	304.6
98	64.1	0.0	127.4



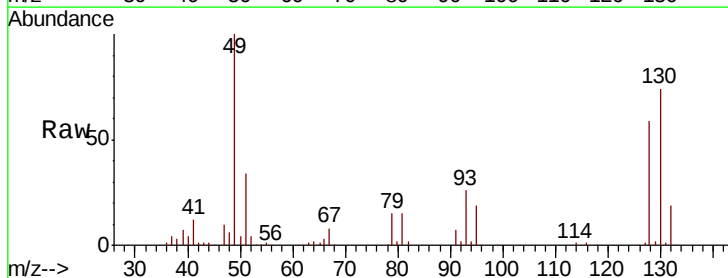
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



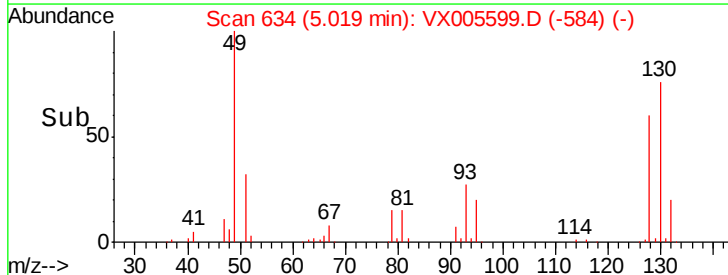
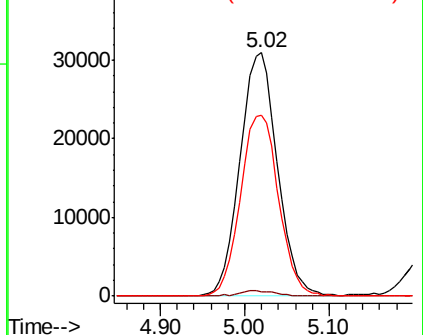
#28

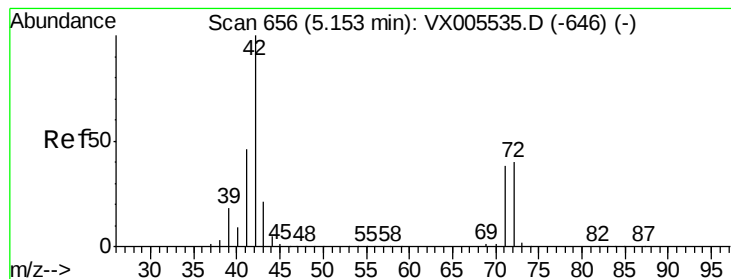
Bromochloromethane
Concen: 44.909 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.01 min
Lab File: VX005599.D
Acq: 26 Oct 2018 12:31

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.0
130	75.7	58.9	88.3



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 229.854 ug/l

RT: 5.15 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX005599.D

Acq: 26 Oct 2018 12:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

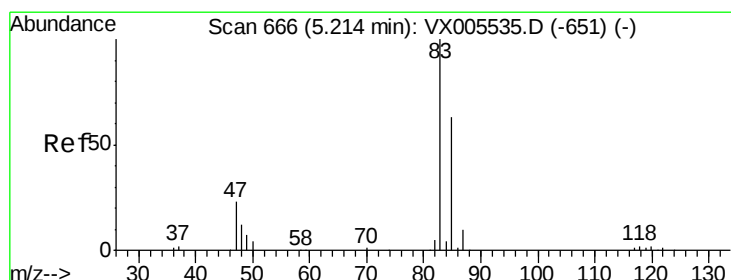
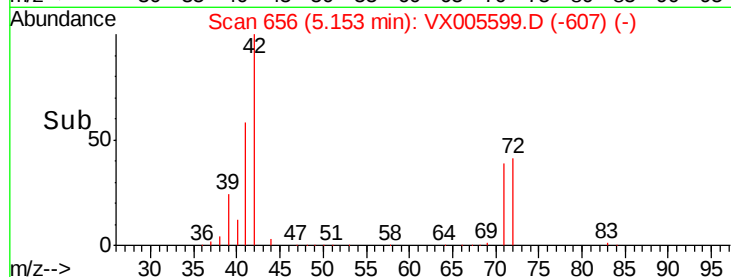
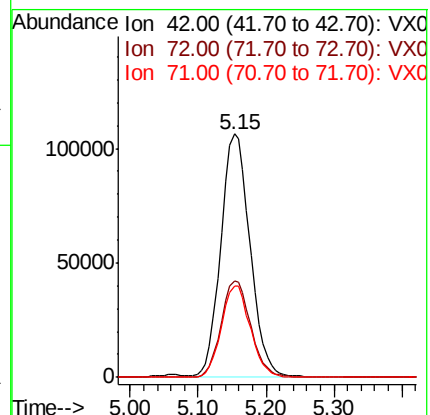
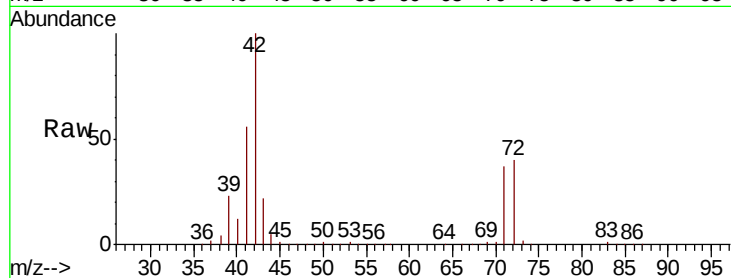
Tot Ion: 42 Resp: 317343

Ion Ratio Lower Upper

42 100

72 40.2 32.0 48.0

71 37.4 29.8 44.8



#30

Chloroform

Concen: 46.460 ug/l

RT: 5.21 min Scan# 666

Delta R.T. -0.00 min

Lab File: VX005599.D

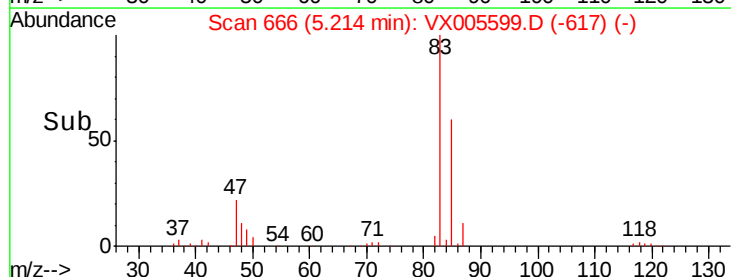
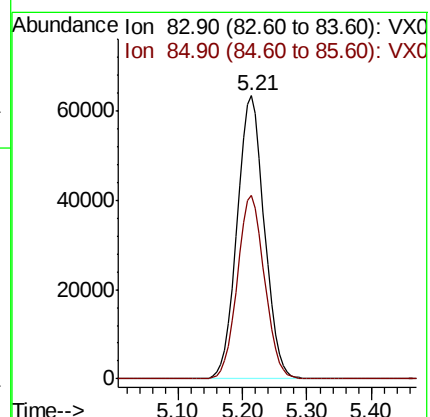
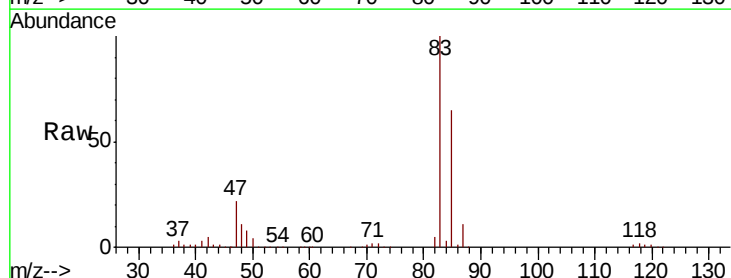
Acq: 26 Oct 2018 12:31

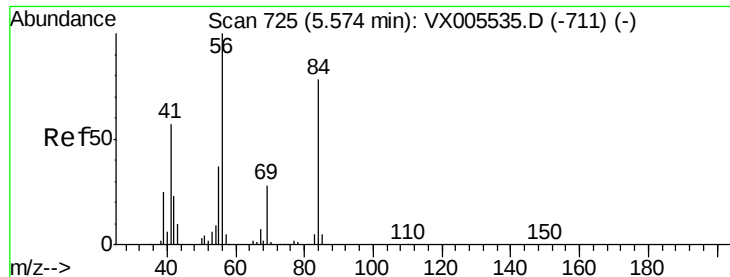
Tgt Ion: 83 Resp: 186701

Ion Ratio Lower Upper

83 100

85 64.8 50.6 76.0

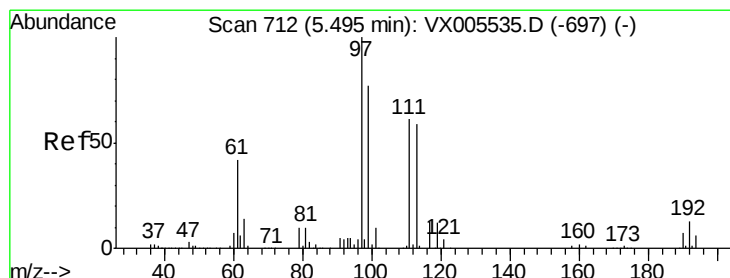
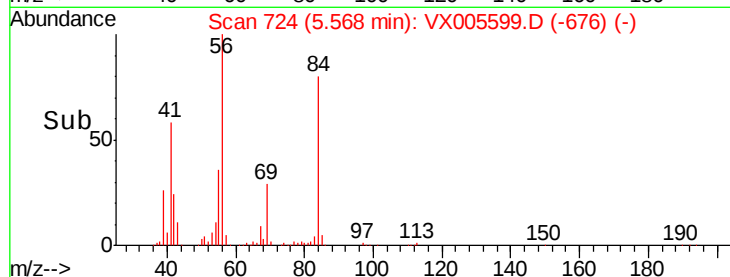
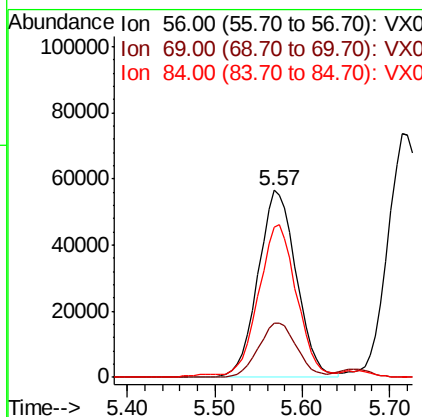
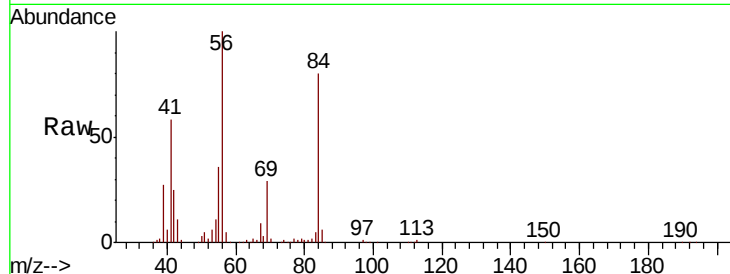




#31
Cyclohexane
Concen: 48.449 ug/l
RT: 5.57 min Scan# 724
Delta R.T. -0.01 min
Lab File: VX005599.D
Acq: 26 Oct 2018 12:31

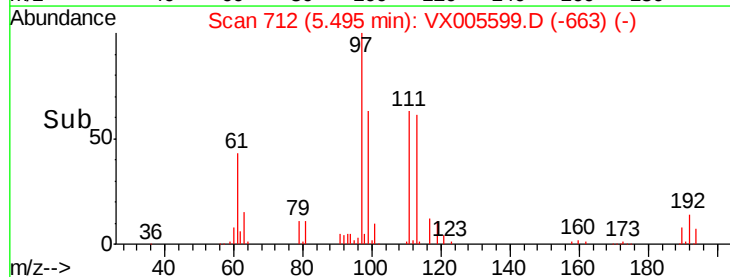
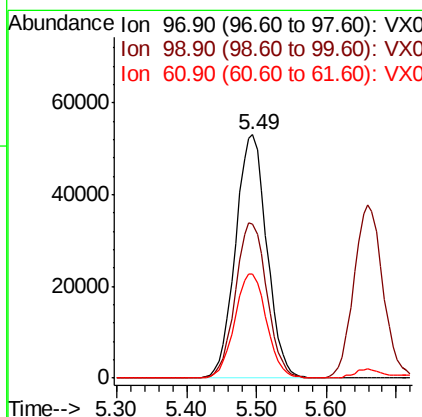
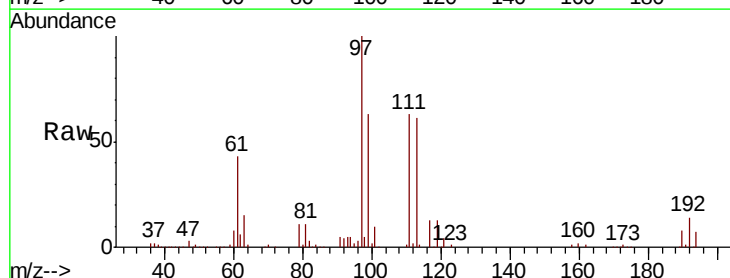
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

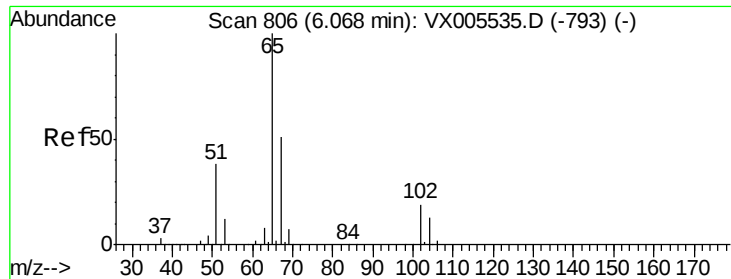
Tot Ion: 56 Resp: 172211
Ion Ratio Lower Upper
56 100
69 29.1 22.6 34.0
84 79.2 62.7 94.1



#32
1,1,1-Trichloroethane
Concen: 46.466 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX005599.D
Acq: 26 Oct 2018 12:31

Tgt Ion: 97 Resp: 164805
Ion Ratio Lower Upper
97 100
99 64.2 52.3 78.5
61 43.8 35.2 52.8

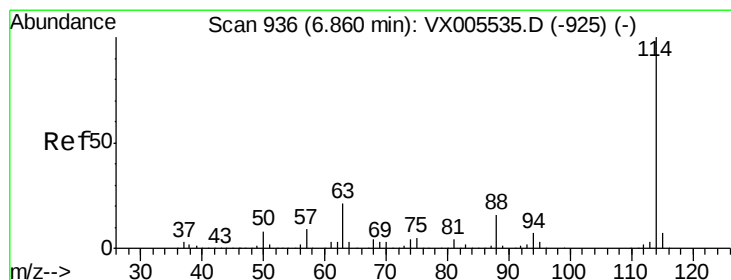
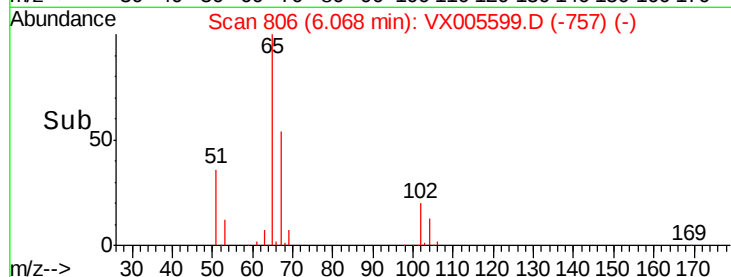
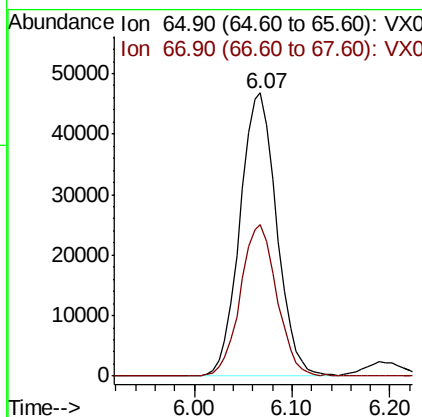
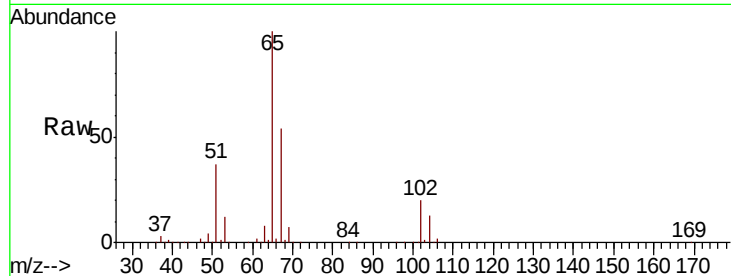




#33
 1,2-Dichloroethane-d4
 Concen: 46.308 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX005599.D
 Acq: 26 Oct 2018 12:31

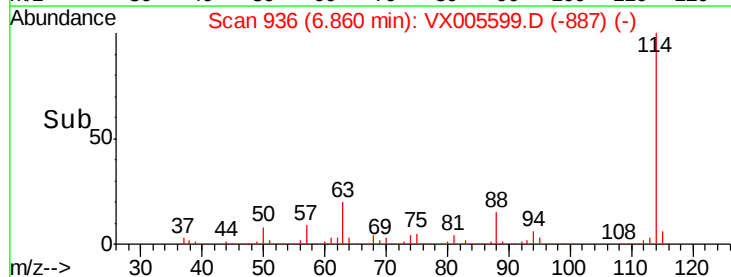
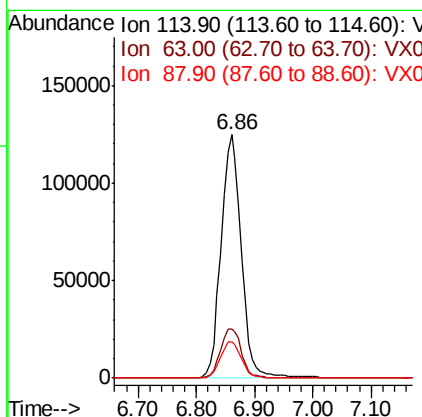
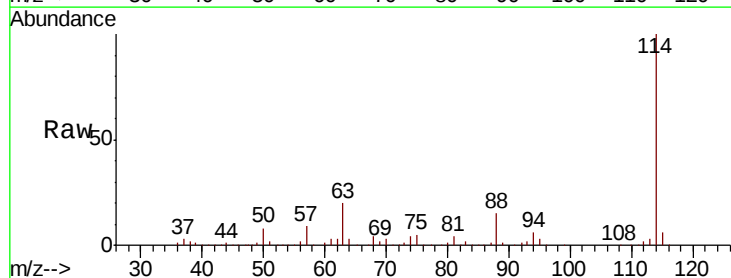
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

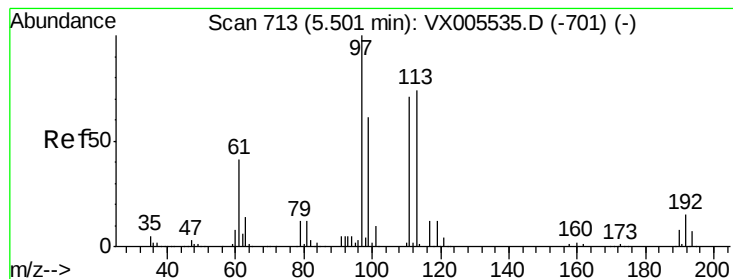
Tot Ion: 65 Resp: 122090
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX005599.D
 Acq: 26 Oct 2018 12:31

Tgt Ion: 114 Resp: 301062
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 42.8
 88 14.9 0.0 31.2





#35

Dibromofluoromethane

Concen: 47.913 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX005599.D

Acq: 26 Oct 2018 12:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

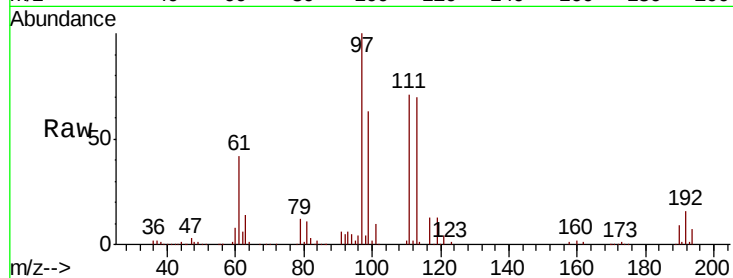
Tot Ion:113 Resp: 97673

Ion Ratio Lower Upper

113 100

111 102.7 82.3 123.5

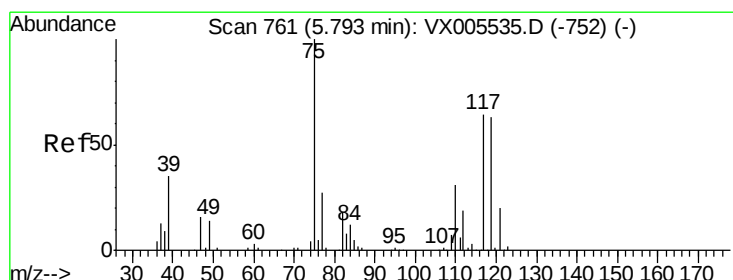
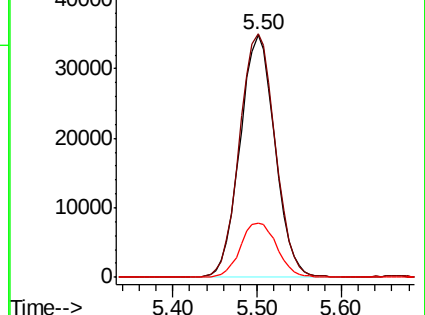
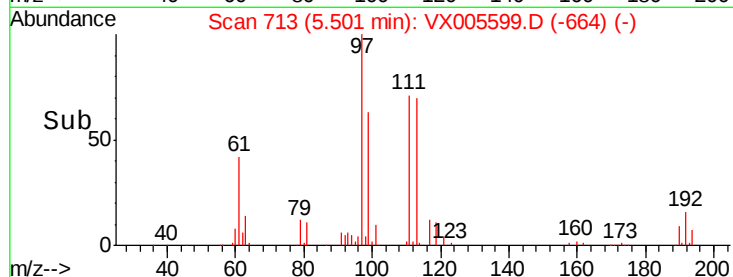
192 23.3 17.9 26.9



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 48.178 ug/l

RT: 5.79 min Scan# 761

Delta R.T. -0.00 min

Lab File: VX005599.D

Acq: 26 Oct 2018 12:31

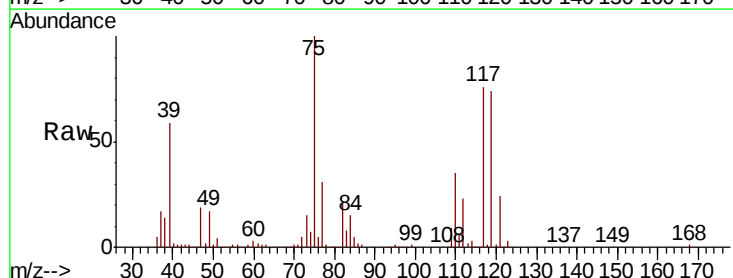
Tgt Ion: 75 Resp: 140761

Ion Ratio Lower Upper

75 100

110 35.1 17.4 52.2

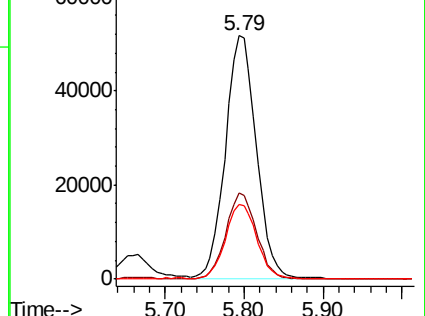
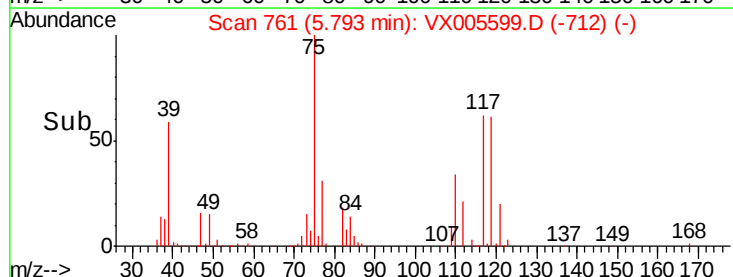
77 31.4 25.8 38.6

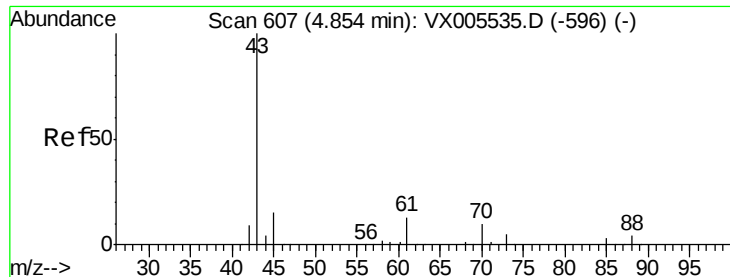


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#37

Ethyl Acetate

Concen: 47.319 ug/l

RT: 4.85 min Scan# 607

Delta R.T. -0.00 min

Lab File: VX005599.D

Acq: 26 Oct 2018 12:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

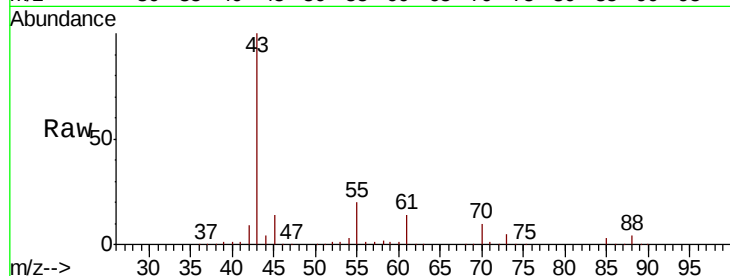
Tot Ion: 43 Resp: 176420

Ion Ratio Lower Upper

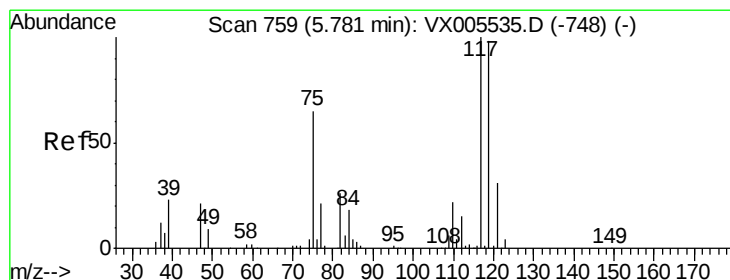
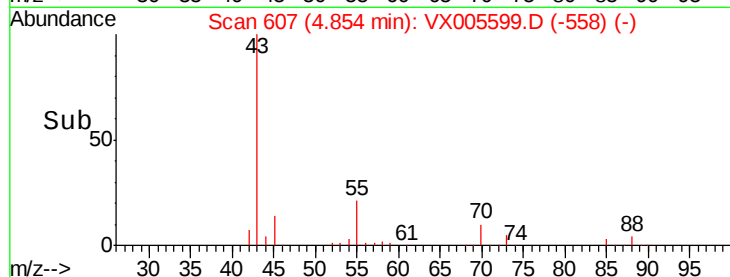
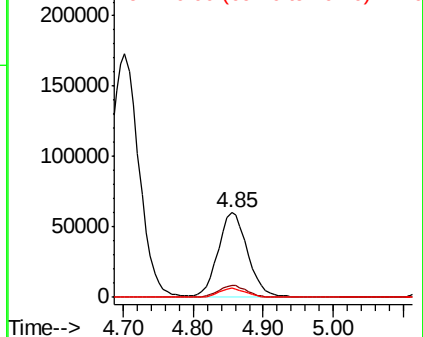
43 100

61 13.6 10.8 16.2

70 9.8 7.8 11.8



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0



#38

Carbon Tetrachloride

Concen: 48.070 ug/l

RT: 5.78 min Scan# 759

Delta R.T. -0.00 min

Lab File: VX005599.D

Acq: 26 Oct 2018 12:31

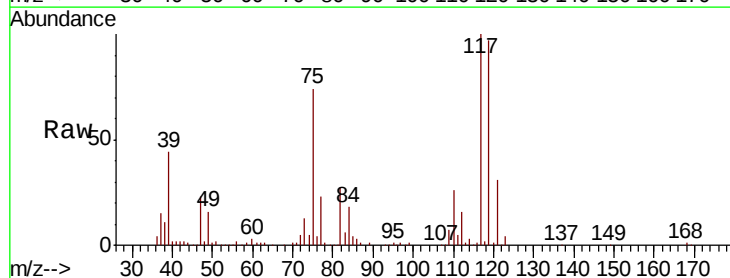
Tgt Ion: 117 Resp: 147921

Ion Ratio Lower Upper

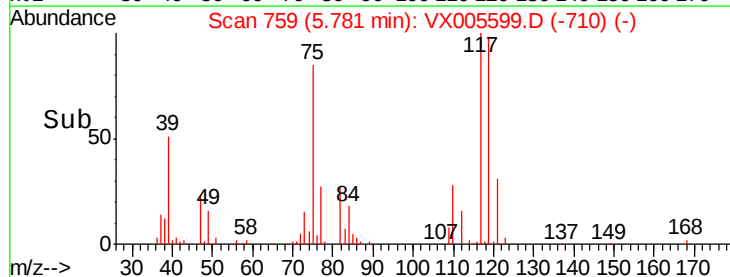
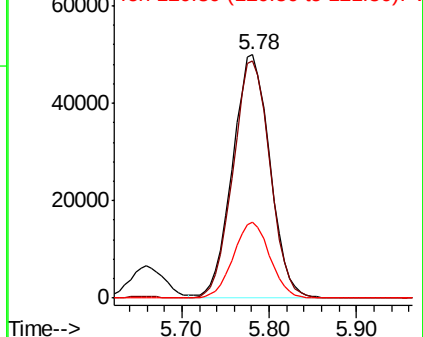
117 100

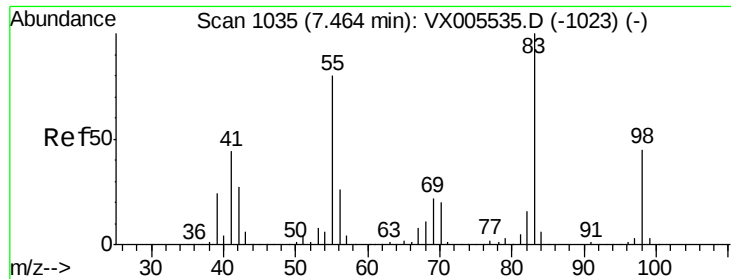
119 97.5 78.1 117.1

121 31.3 24.6 36.8



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

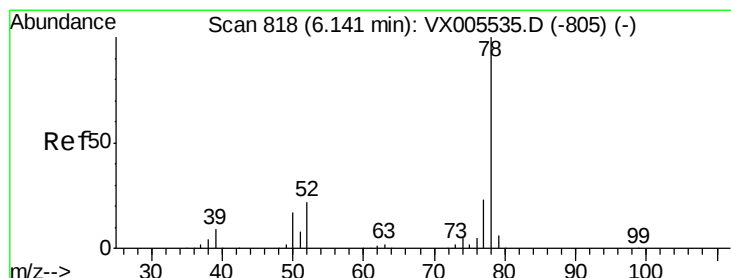
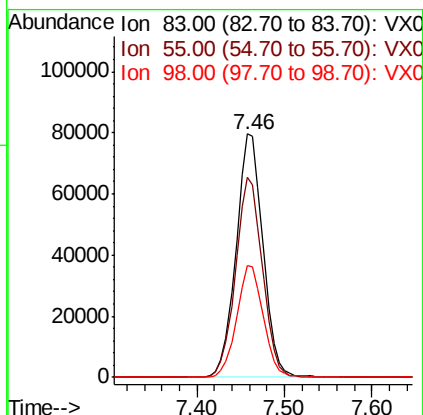
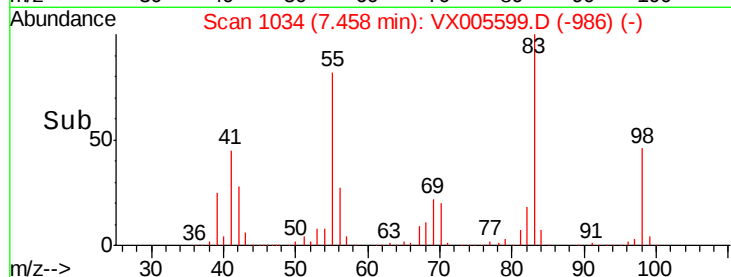
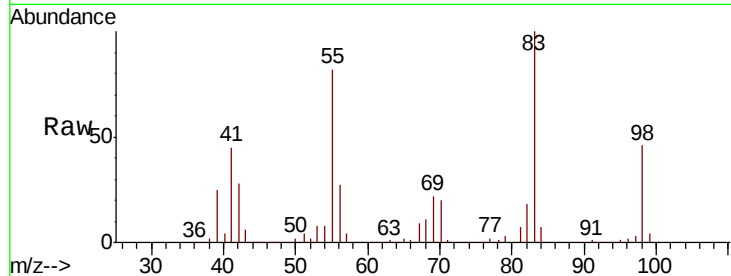




#39
Methvlcvclohexane
Concen: 52.761 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX005599.D
Acq: 26 Oct 2018 12:31

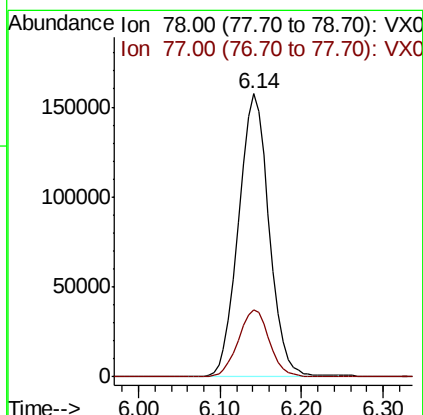
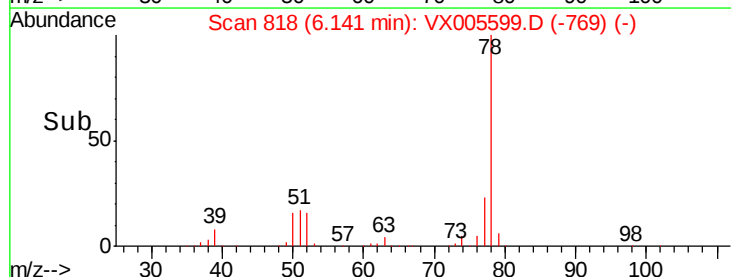
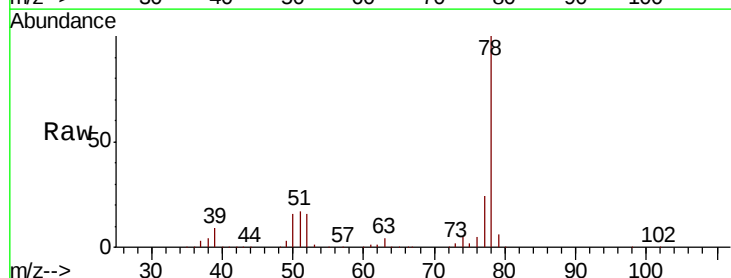
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

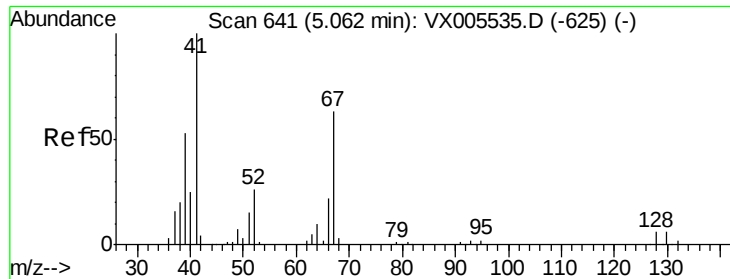
Tot Ion: 83 Resp: 170219
Ion Ratio Lower Upper
83 100
55 82.0 63.7 95.5
98 45.9 36.2 54.2



#40
Benzene
Concen: 48.929 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX005599.D
Acq: 26 Oct 2018 12:31

Tgt Ion: 78 Resp: 409798
Ion Ratio Lower Upper
78 100
77 23.6 18.4 27.6

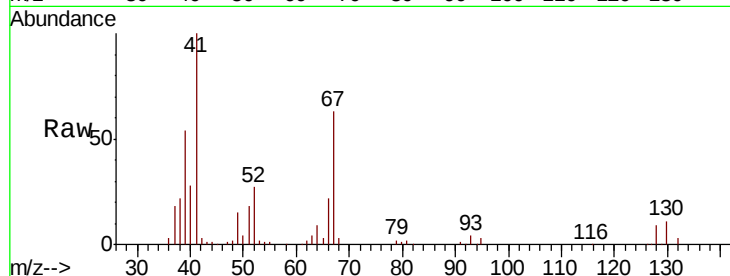




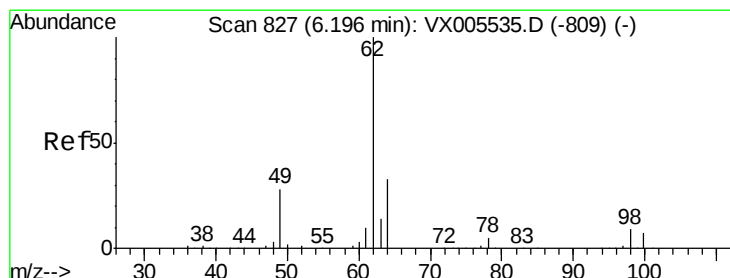
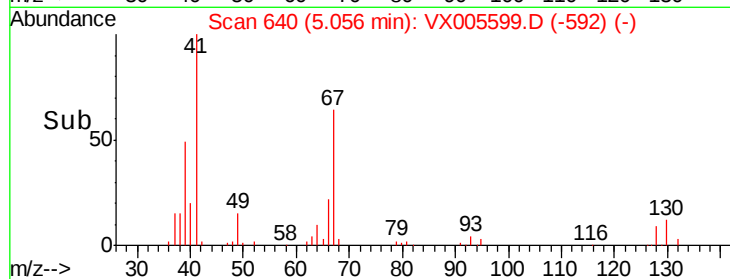
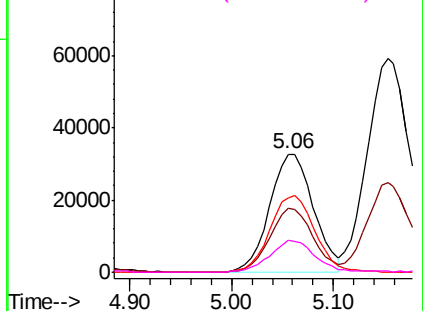
#41
Methacrylonitrile
Concen: 46.692 ug/l
RT: 5.06 min Scan# 640
Delta R.T. -0.01 min
Lab File: VX005599.D
Acq: 26 Oct 2018 12:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	96970
Ion	Ratio	Lower	Upper
41	100		
39	53.3	42.2	63.2
67	66.7	53.4	80.0
52	28.1	23.4	35.2

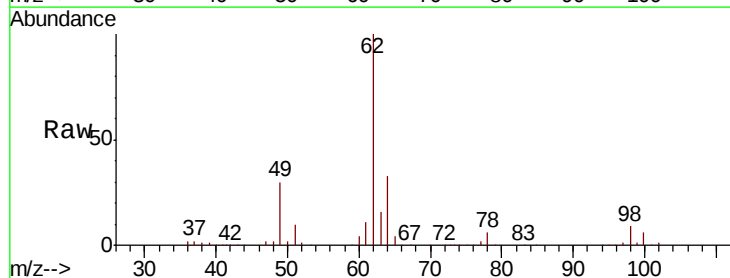


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

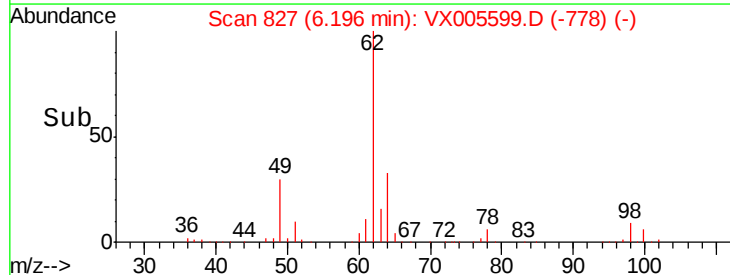
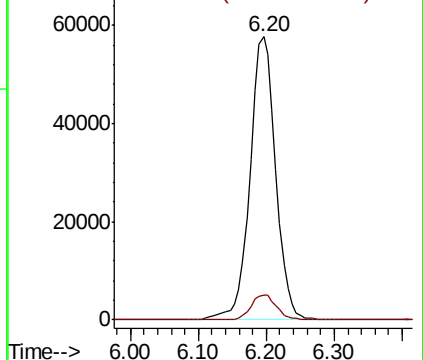


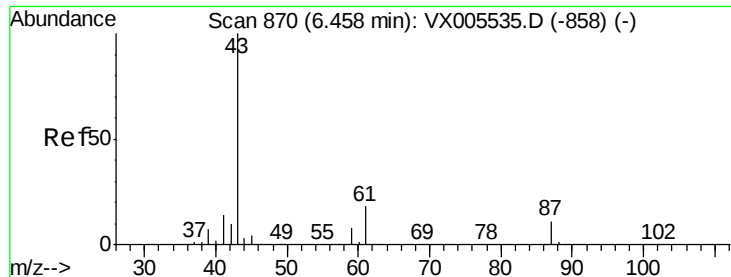
#42
1,2-Dichloroethane
Concen: 47.782 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX005599.D
Acq: 26 Oct 2018 12:31

Tgt Ion:	62	Resp:	152027
Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	17.8



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



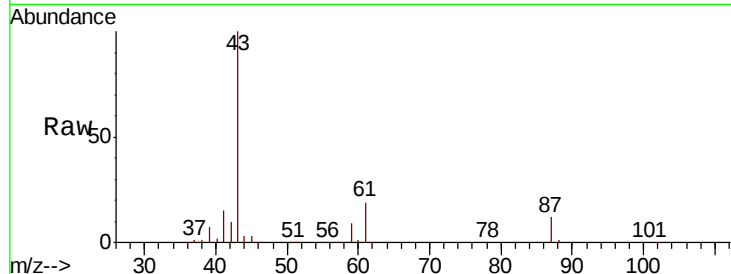


#43

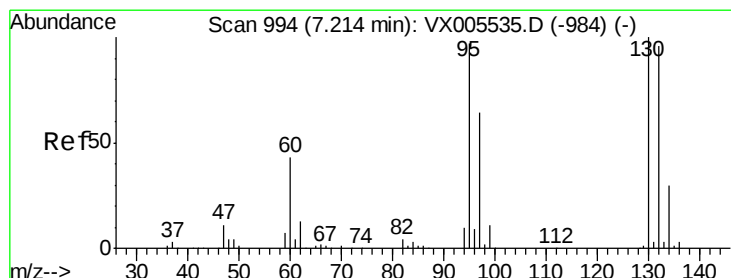
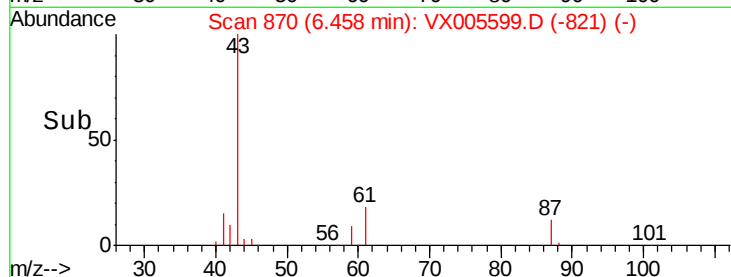
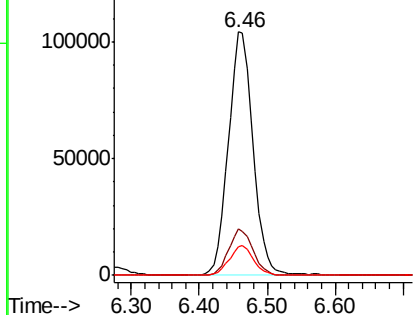
Isopropyl Acetate
 Concen: 46.796 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. -0.00 min
 Lab File: VX005599.D
 Acq: 26 Oct 2018 12:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 261444
 Ion Ratio Lower Upper
 43 100
 61 18.9 14.6 22.0
 87 12.1 9.6 14.4



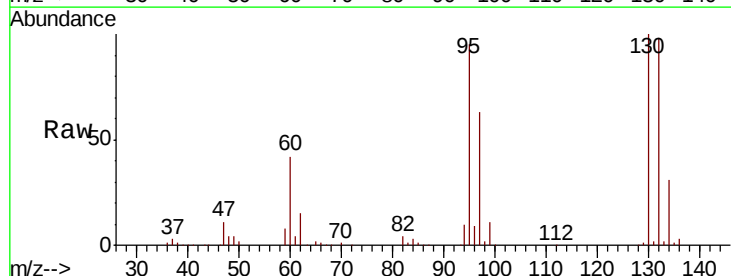
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



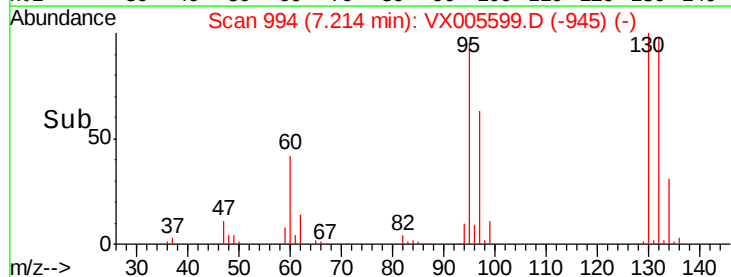
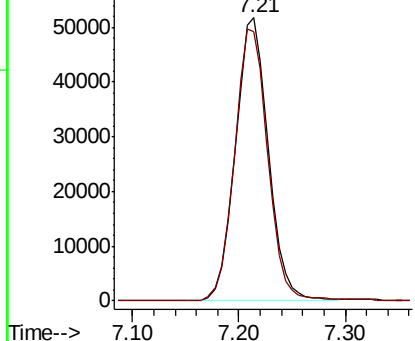
#44

Trichloroethene
 Concen: 49.201 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX005599.D
 Acq: 26 Oct 2018 12:31

Tgt Ion:130 Resp: 112259
 Ion Ratio Lower Upper
 130 100
 95 95.2 0.0 194.2



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





#45

1,2-Dichloropropane

Concen: 48.860 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VX005599.D

Acq: 26 Oct 2018 12:31

Instrument :

MSVOA_X

ClientSampleId :

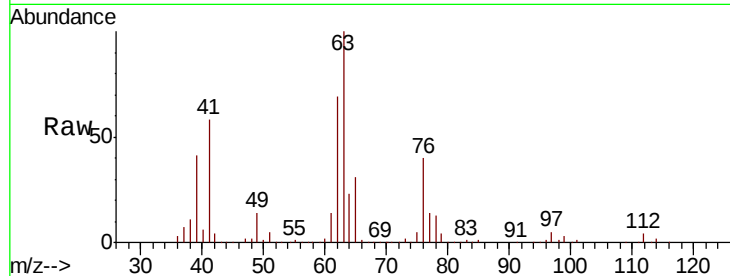
VSTDCCC050

Tot Ion: 63 Resp: 110018

Ion Ratio Lower Upper

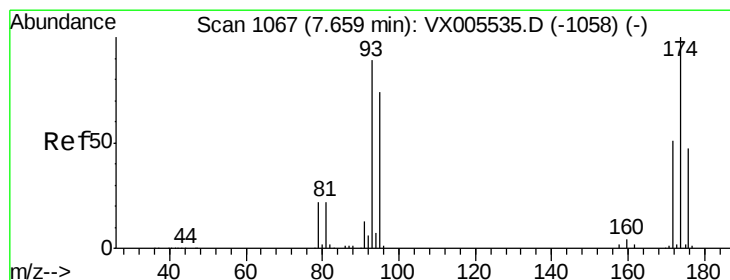
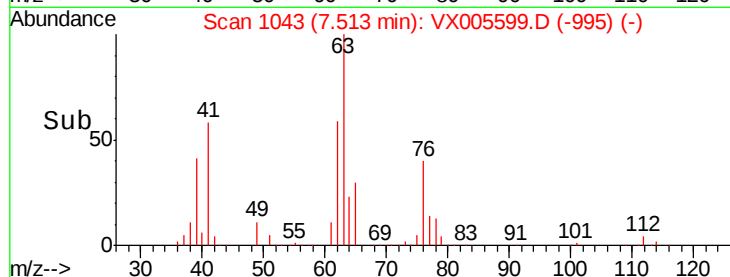
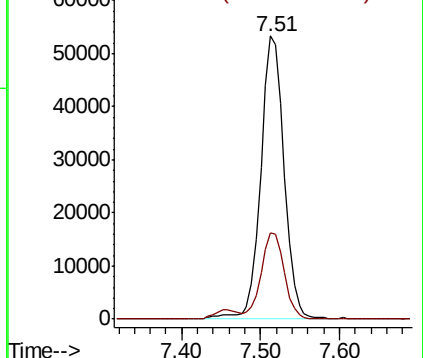
63 100

65 30.6 24.8 37.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 49.430 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX005599.D

Acq: 26 Oct 2018 12:31

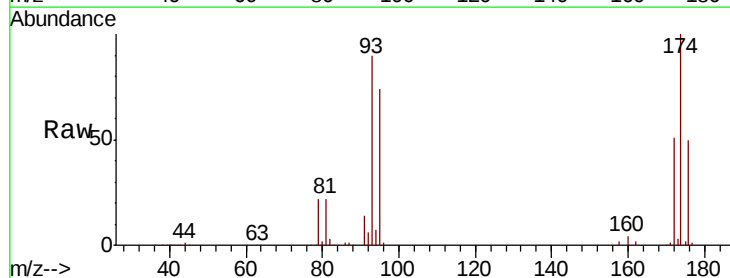
Tgt Ion: 93 Resp: 71886

Ion Ratio Lower Upper

93 100

95 83.1 67.4 101.0

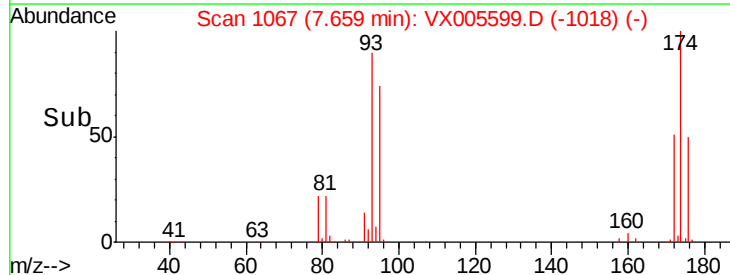
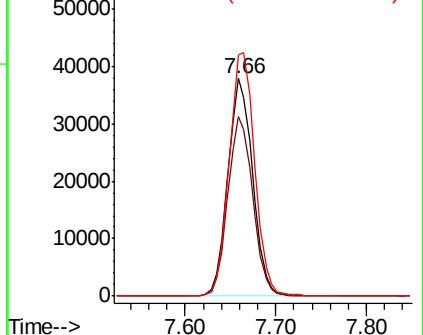
174 115.6 91.5 137.3

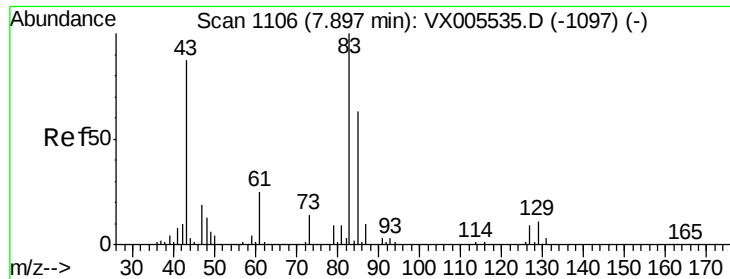


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 49.958 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX005599.D

Acq: 26 Oct 2018 12:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

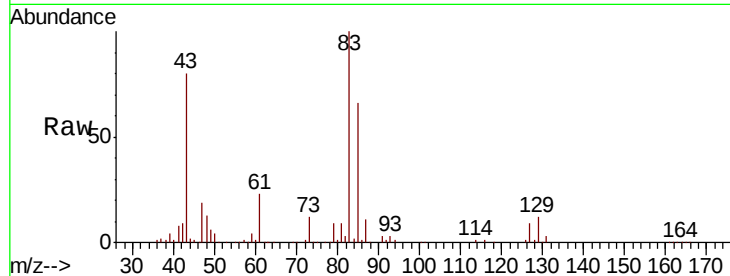
Tot Ion: 83 Resp: 141012

Ion Ratio Lower Upper

83 100

85 66.0 50.2 75.4

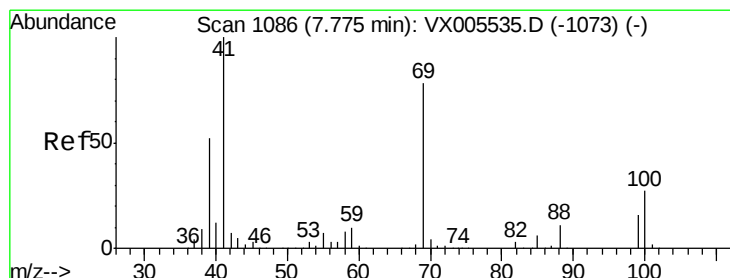
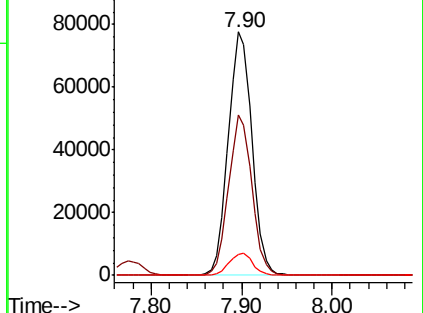
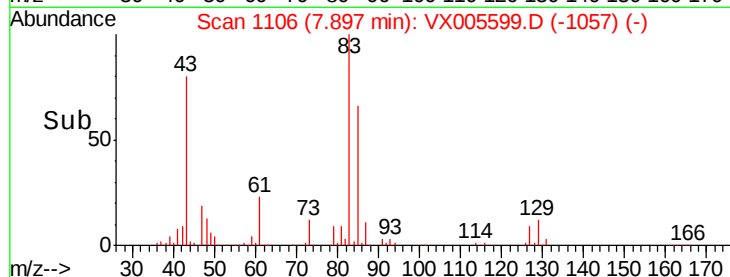
127 8.8 6.9 10.3



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 51.578 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VX005599.D

Acq: 26 Oct 2018 12:31

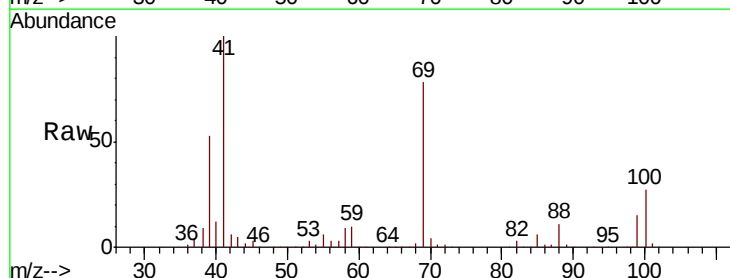
Tgt Ion: 41 Resp: 140382

Ion Ratio Lower Upper

41 100

69 78.3 63.2 94.8

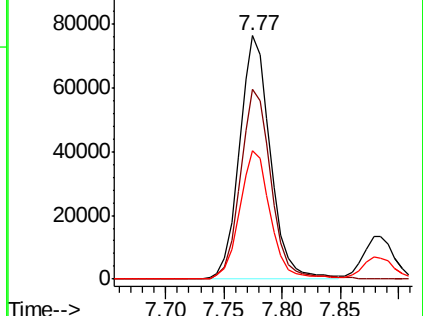
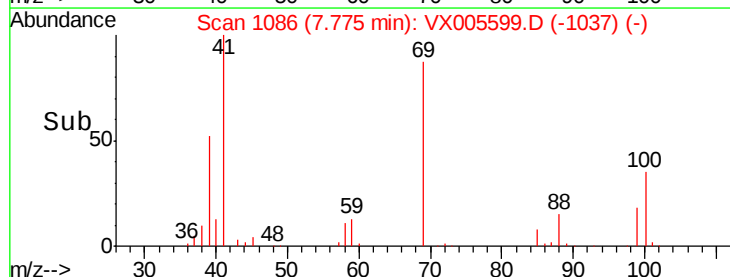
39 52.4 42.2 63.2

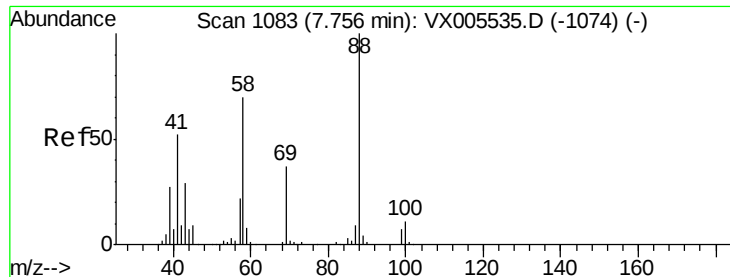


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

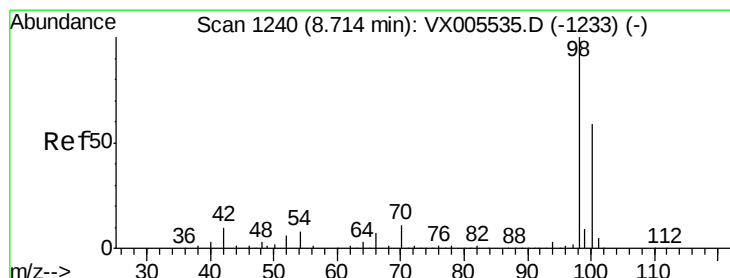
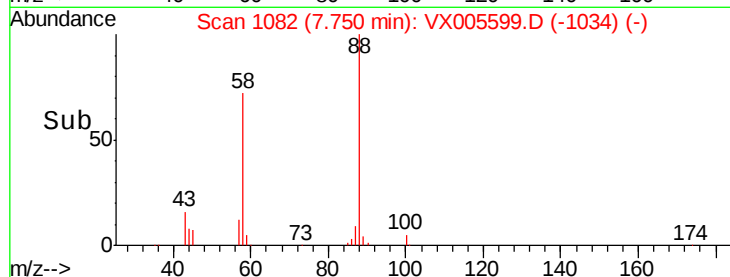
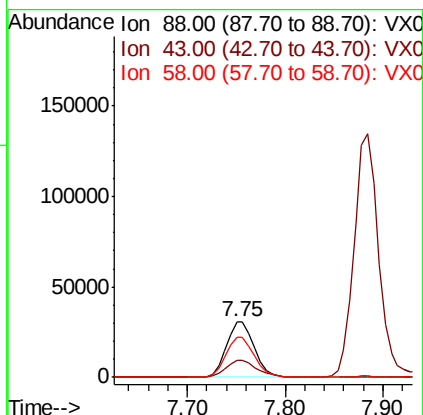
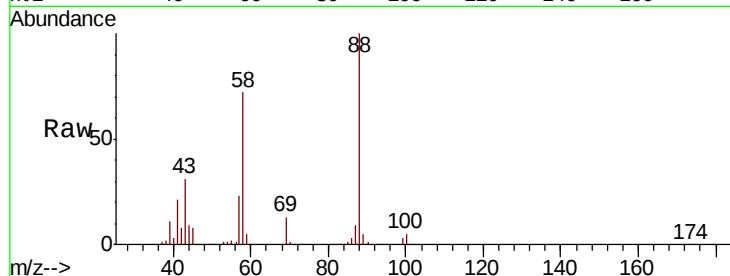




#49
1,4-Dioxane
Concen: 1016.947 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.01 min
Lab File: VX005599.D
Acq: 26 Oct 2018 12:31

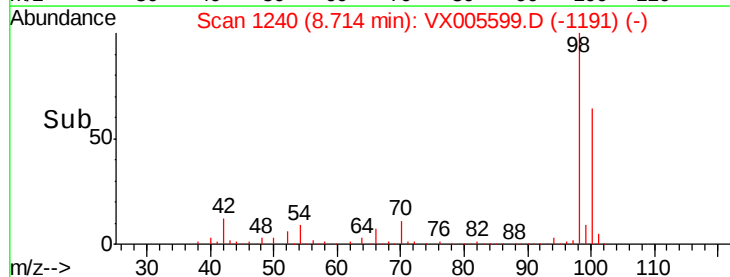
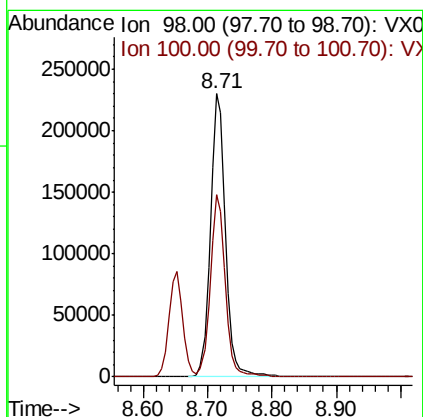
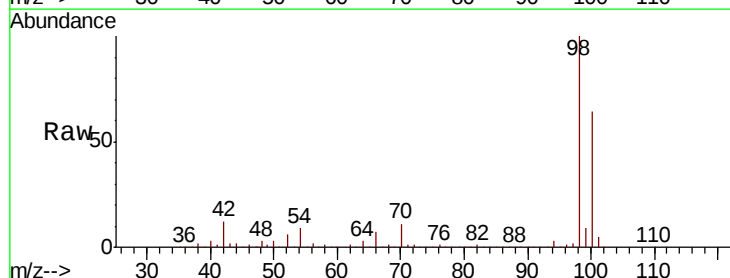
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

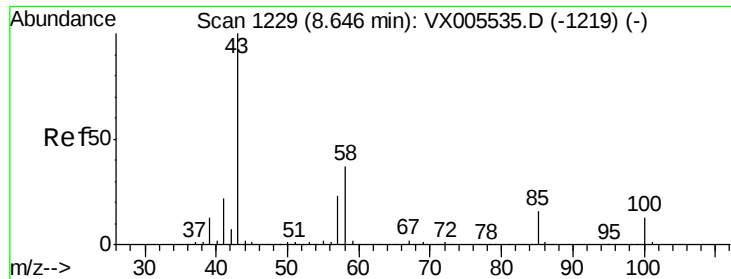
Tot Ion: 88 Resp: 60487
Ion Ratio Lower Upper
88 100
43 34.1 27.4 41.0
58 74.3 59.4 89.2



#50
Toluene-d8
Concen: 51.299 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX005599.D
Acq: 26 Oct 2018 12:31

Tgt Ion: 98 Resp: 375763
Ion Ratio Lower Upper
98 100
100 64.1 51.3 76.9





#51

4-Methyl-2-Pentanone

Concen: 253.680 ug/l

RT: 8.65 min Scan# 1230

Delta R.T. 0.01 min

Lab File: VX005599.D

Acq: 26 Oct 2018 12:31

Instrument :

MSVOA_X

ClientSampleId :

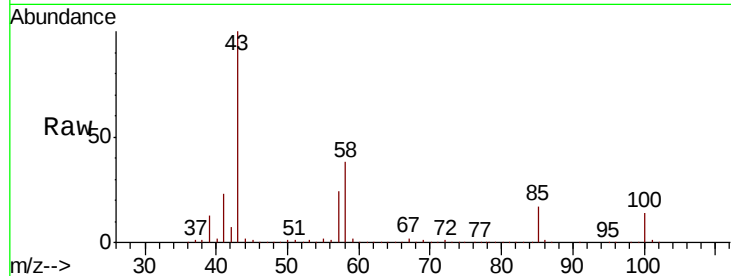
VSTDCCC050

Tot Ion: 43 Resp: 952505

Ion Ratio Lower Upper

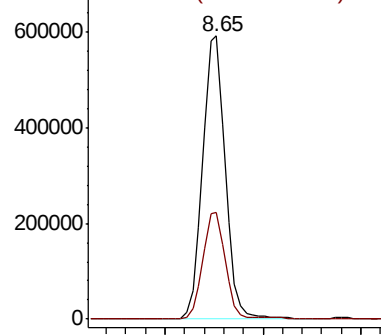
43 100

58 37.3 29.7 44.5

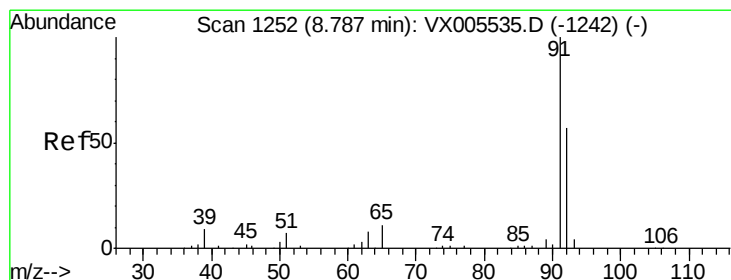
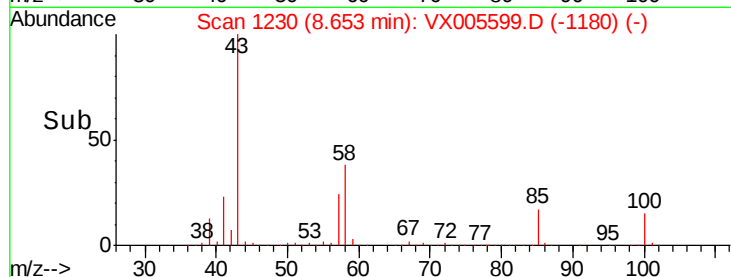


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->



#52

Toluene

Concen: 51.493 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX005599.D

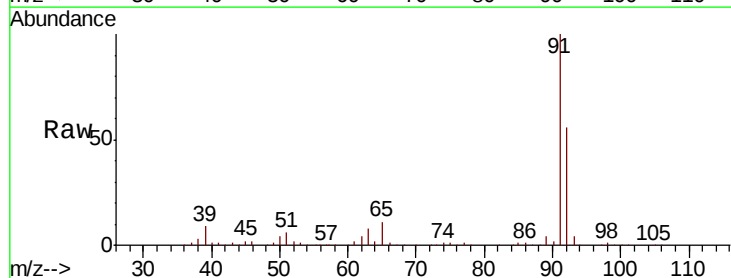
Acq: 26 Oct 2018 12:31

Tgt Ion: 92 Resp: 262104

Ion Ratio Lower Upper

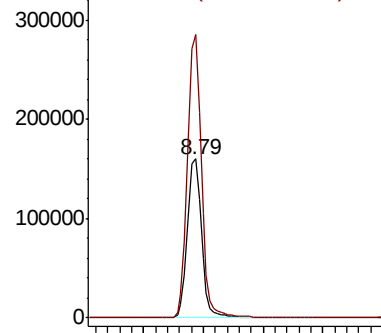
92 100

91 175.8 140.4 210.6

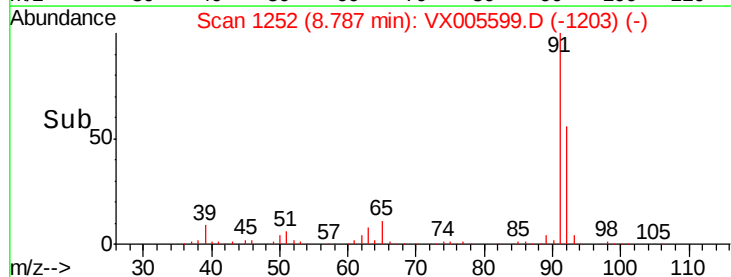


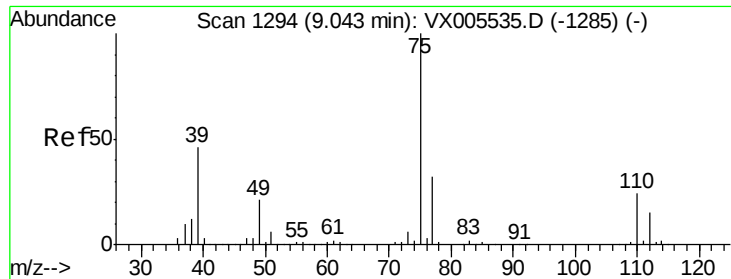
Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



Time-->

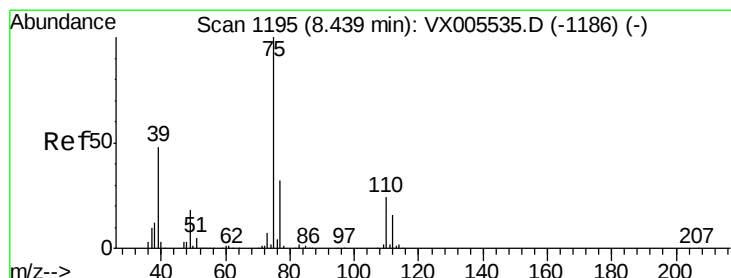
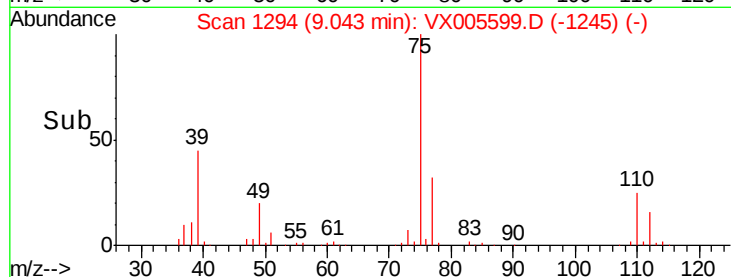
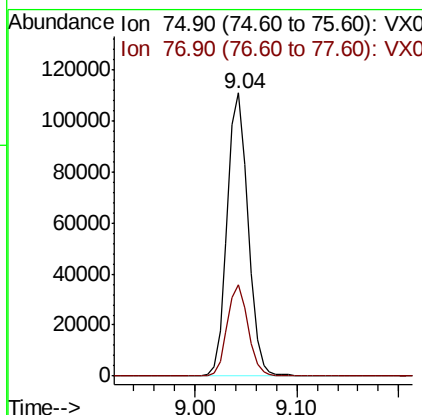
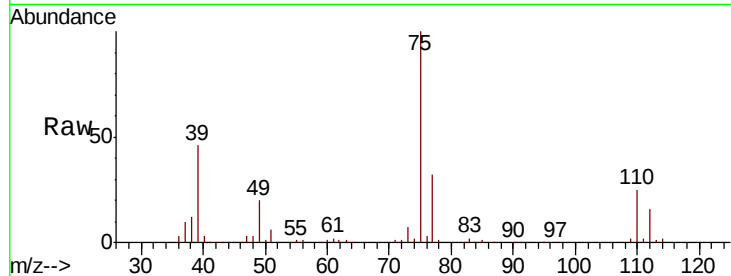




#53
t-1,3-Dichloropropene
Concen: 51.584 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX005599.D
Acq: 26 Oct 2018 12:31

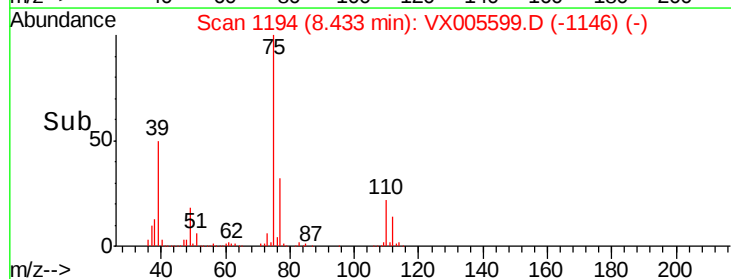
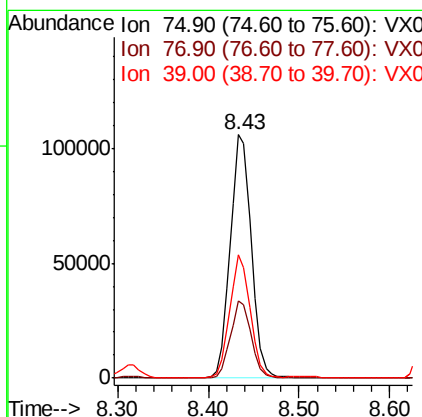
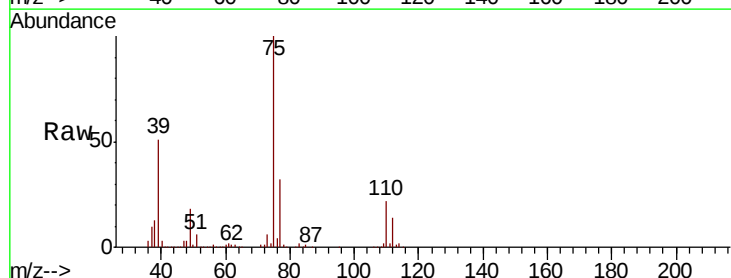
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

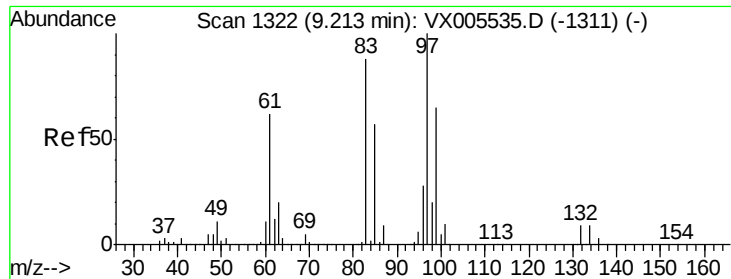
Tot Ion: 75 Resp: 157361
Ion Ratio Lower Upper
75 100
77 32.1 25.4 38.2



#54
cis-1,3-Dichloropropene
Concen: 52.165 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.01 min
Lab File: VX005599.D
Acq: 26 Oct 2018 12:31

Tgt Ion: 75 Resp: 171327
Ion Ratio Lower Upper
75 100
77 31.5 25.2 37.8
39 50.4 38.2 57.2

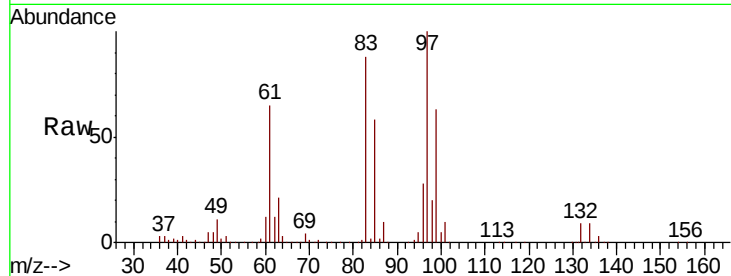




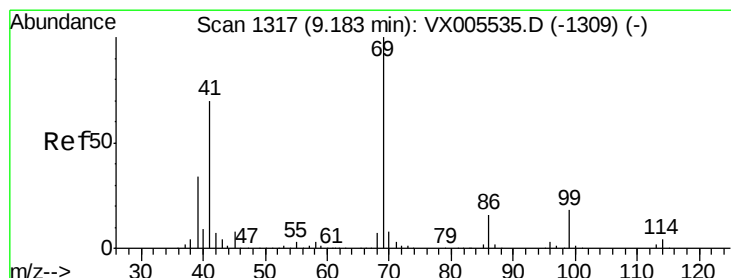
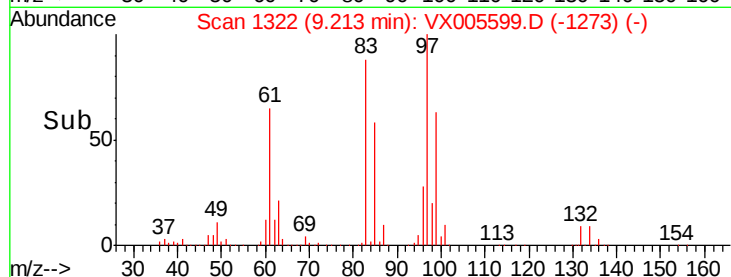
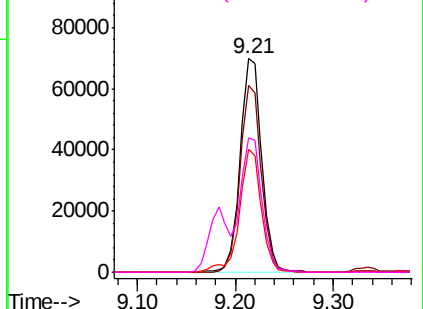
#55
 1,1,2-Trichloroethane
 Concen: 49.776 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX005599.D
 Acq: 26 Oct 2018 12:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 97 Resp: 106821
 Ion Ratio Lower Upper
 97 100
 83 87.7 70.7 106.1
 85 57.5 45.8 68.6
 99 62.8 51.8 77.8

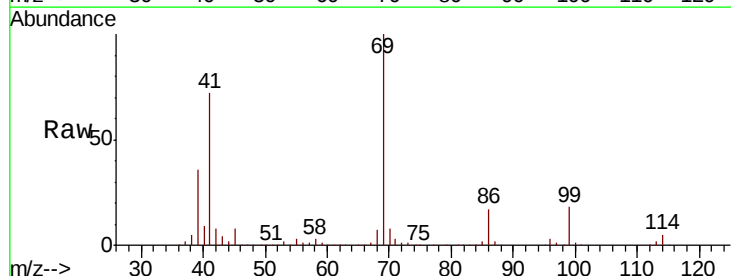


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

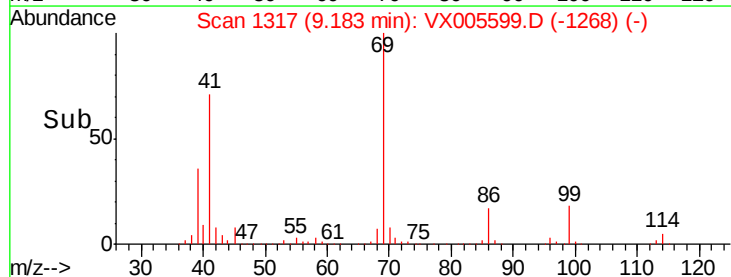
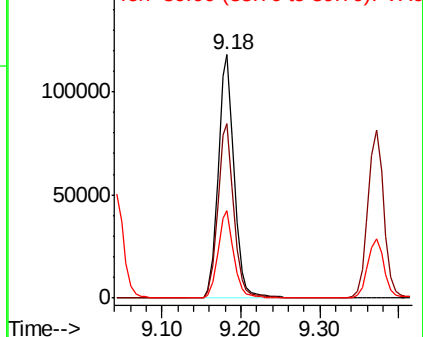


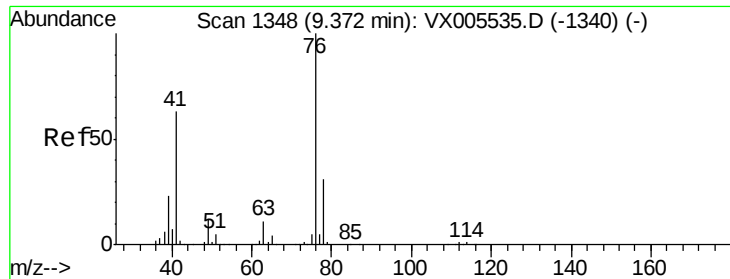
#56
 Ethyl methacrylate
 Concen: 51.841 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX005599.D
 Acq: 26 Oct 2018 12:31

Tgt Ion: 69 Resp: 165943
 Ion Ratio Lower Upper
 69 100
 41 71.7 57.0 85.6
 39 35.5 28.3 42.5



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: 49.640 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX005599.D

Acq: 26 Oct 2018 12:31

Instrument :

MSVOA_X

ClientSampleId :

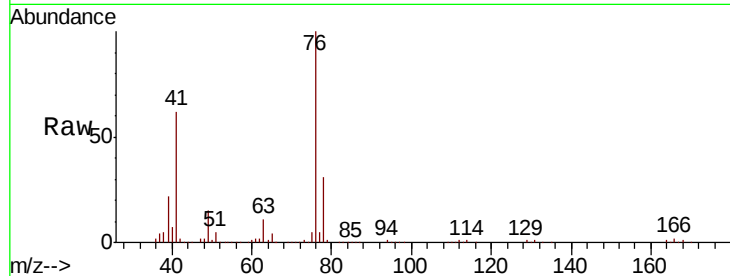
VSTDCCC050

Tot Ion: 76 Resp: 180248

Ion Ratio Lower Upper

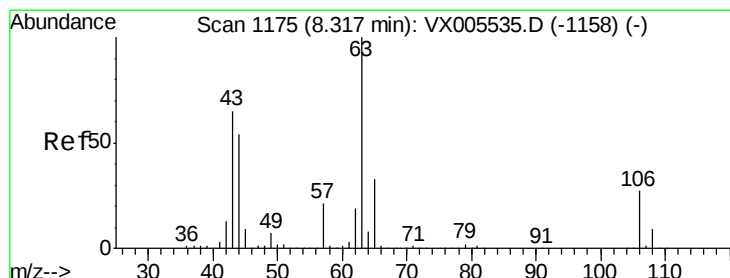
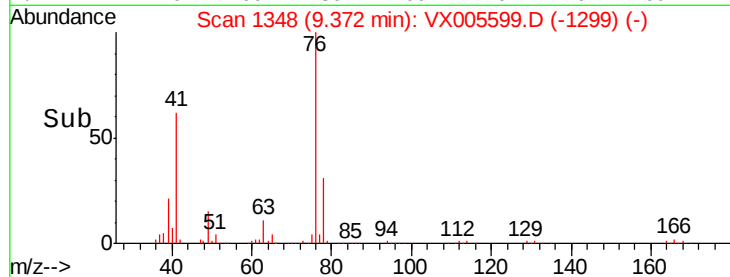
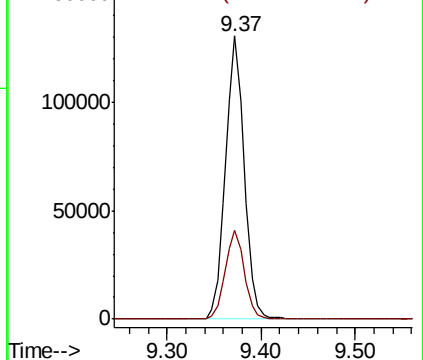
76 100

78 32.2 25.3 37.9



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: 254.995 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.01 min

Lab File: VX005599.D

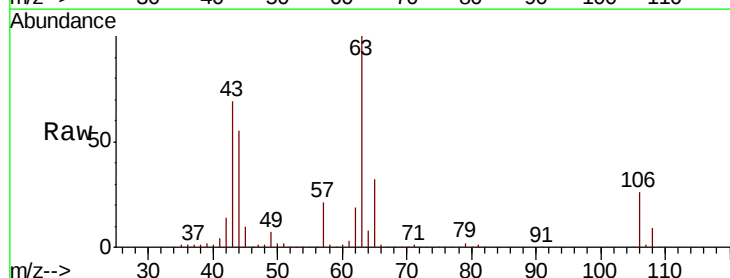
Acq: 26 Oct 2018 12:31

Tgt Ion: 63 Resp: 455872

Ion Ratio Lower Upper

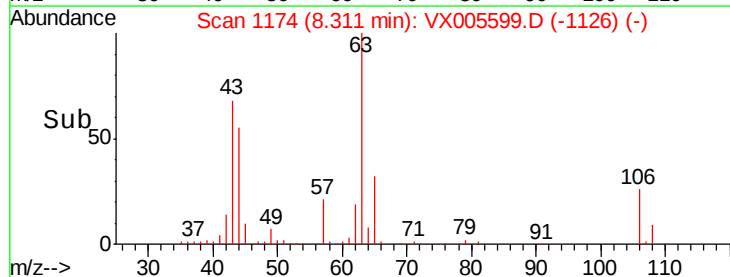
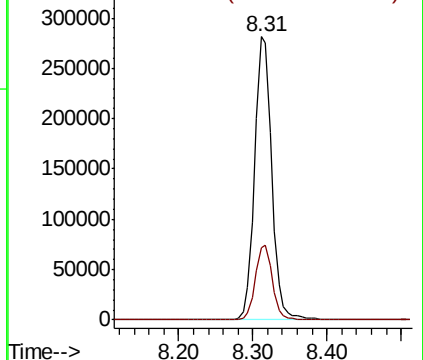
63 100

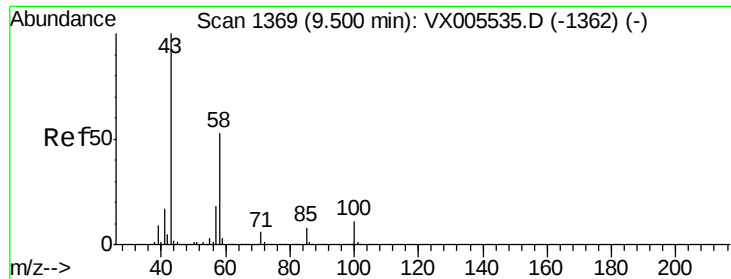
106 26.4 21.3 31.9



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

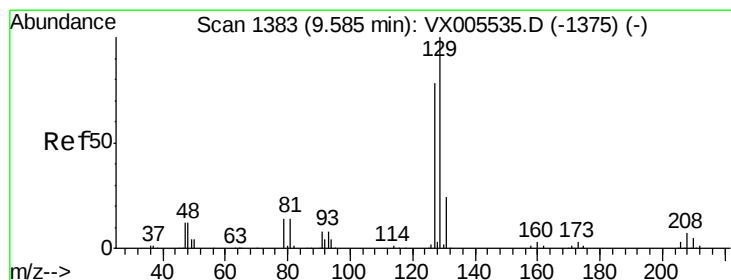
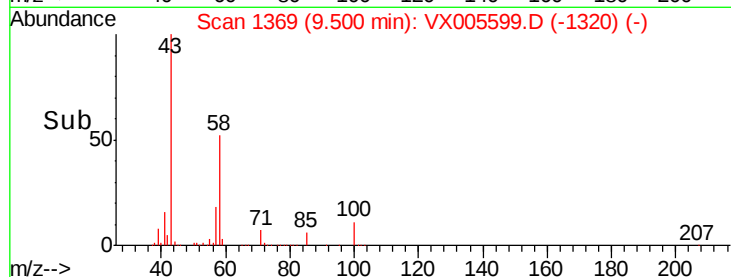
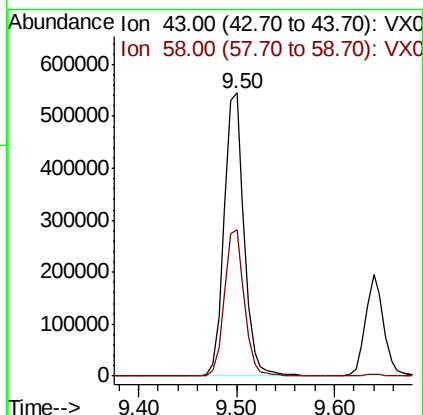
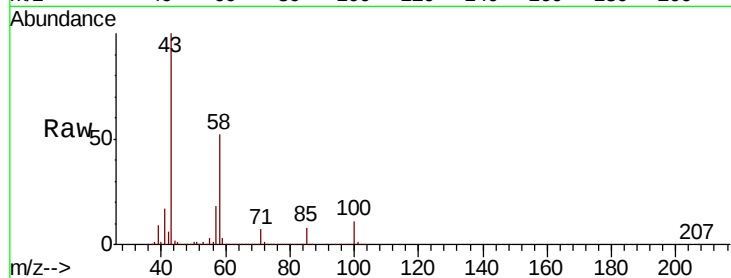




#59
2-Hexanone
Concen: 259.997 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. -0.00 min
Lab File: VX005599.D
Acq: 26 Oct 2018 12:31

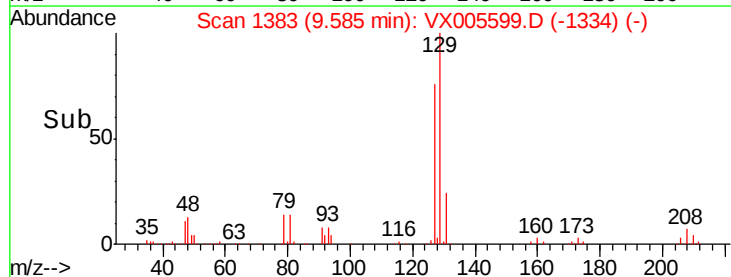
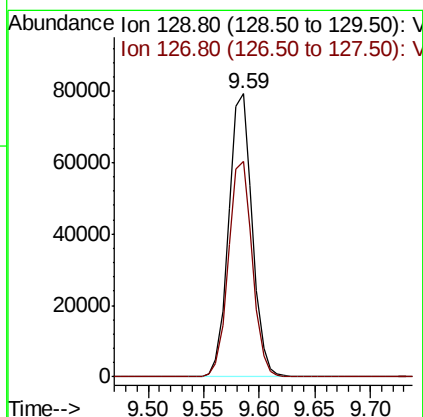
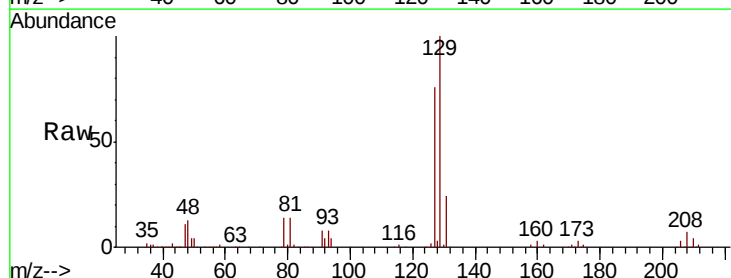
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

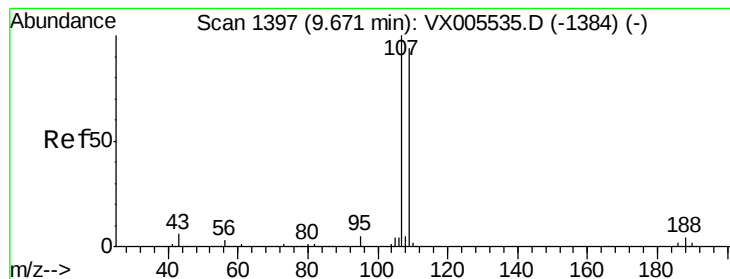
Tot Ion: 43 Resp: 769704
Ion Ratio Lower Upper
43 100
58 51.8 25.9 77.8



#60
Dibromochloromethane
Concen: 51.560 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX005599.D
Acq: 26 Oct 2018 12:31

Tgt Ion: 129 Resp: 115444
Ion Ratio Lower Upper
129 100
127 77.2 38.9 116.7





#61

1,2-Dibromoethane

Concen: 50.519 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX005599.D

Acq: 26 Oct 2018 12:31

Instrument :

MSVOA_X

ClientSampleId :

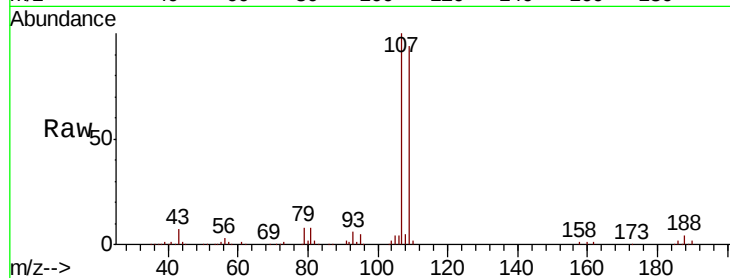
VSTDCCC050

Tot Ion: 107 Resp: 112160

Ion Ratio Lower Upper

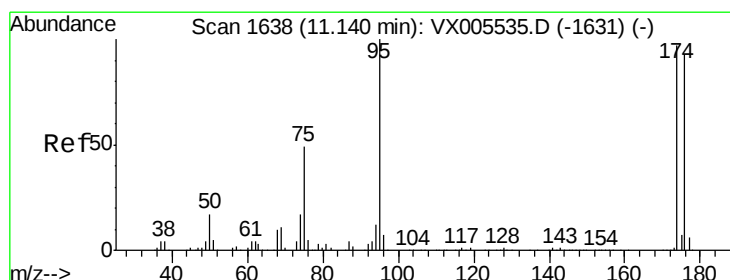
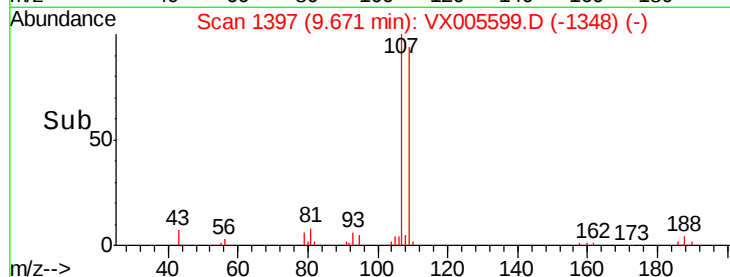
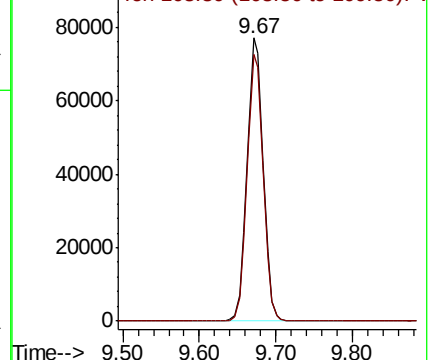
107 100

109 94.8 75.7 113.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.623 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005599.D

Acq: 26 Oct 2018 12:31

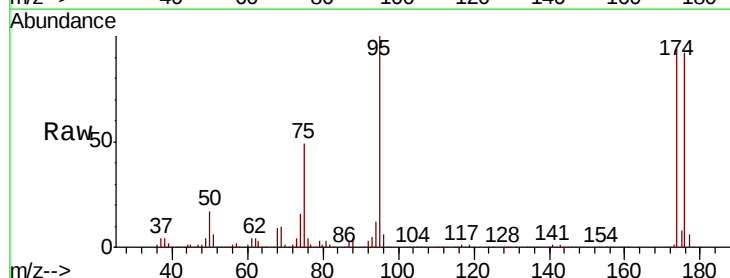
Tgt Ion: 95 Resp: 142800

Ion Ratio Lower Upper

95 100

174 92.1 0.0 184.4

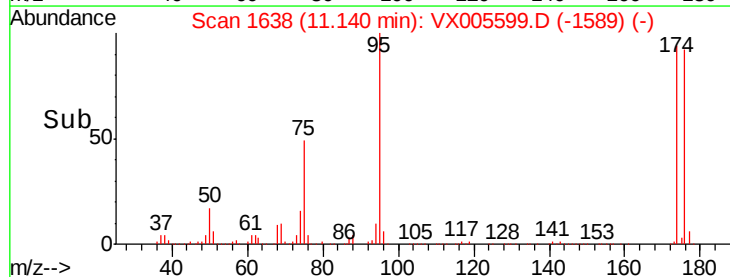
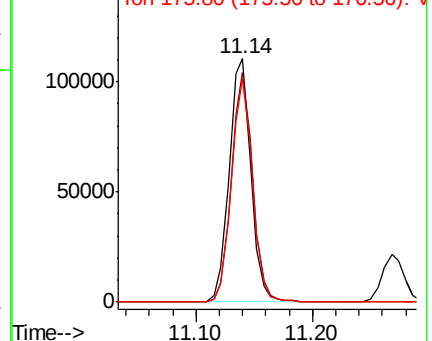
176 89.5 0.0 177.4

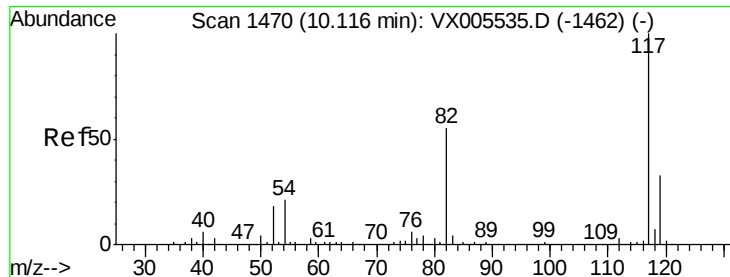


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

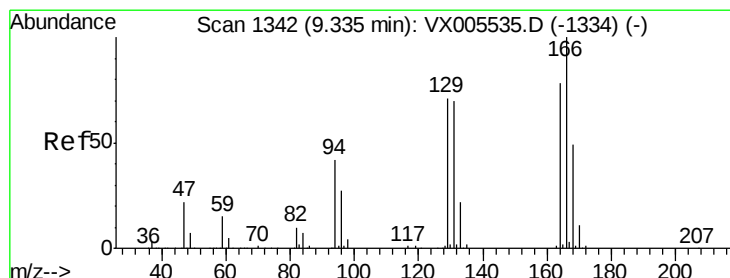
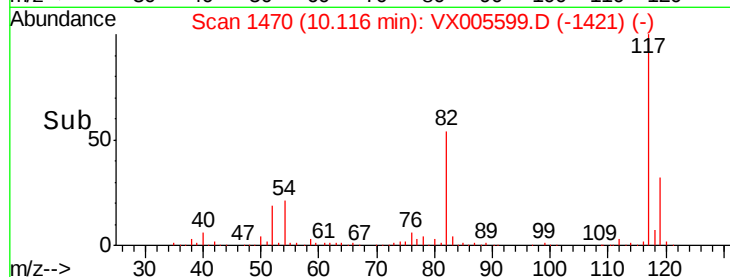
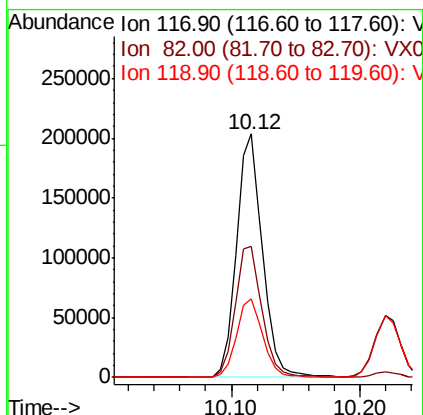
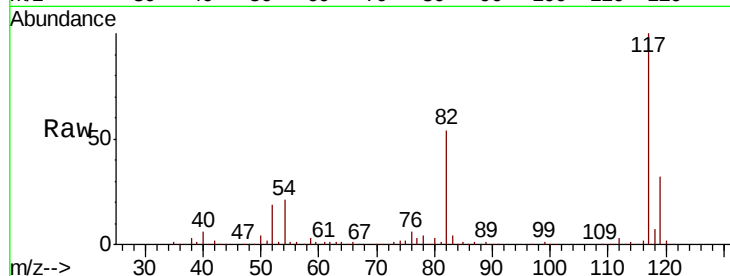




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005599.D
Acq: 26 Oct 2018 12:31

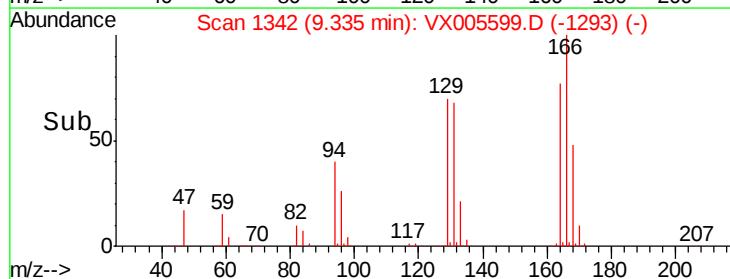
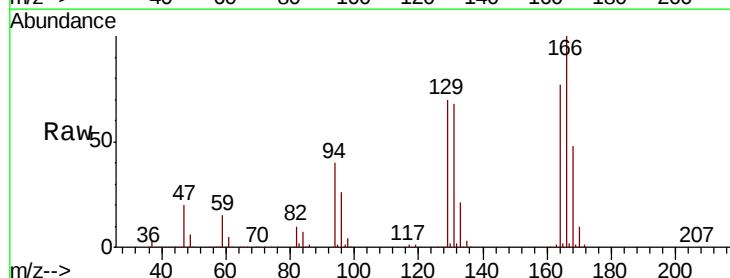
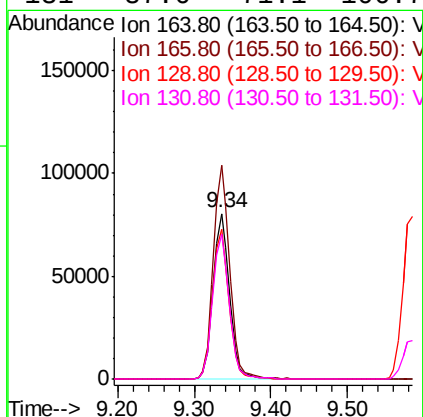
Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

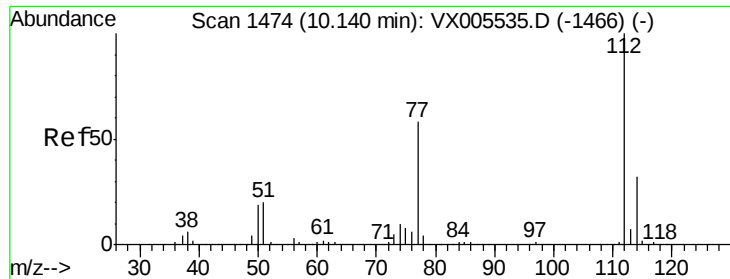
Tot Ion:117 Resp: 283939
Ion Ratio Lower Upper
117 100
82 53.8 44.1 66.1
119 32.4 26.2 39.2



#64
Tetrachloroethene
Concen: 50.977 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX005599.D
Acq: 26 Oct 2018 12:31

Tgt Ion:164 Resp: 120157
Ion Ratio Lower Upper
164 100
166 129.2 101.9 152.9
129 90.9 72.6 109.0
131 87.6 71.1 106.7

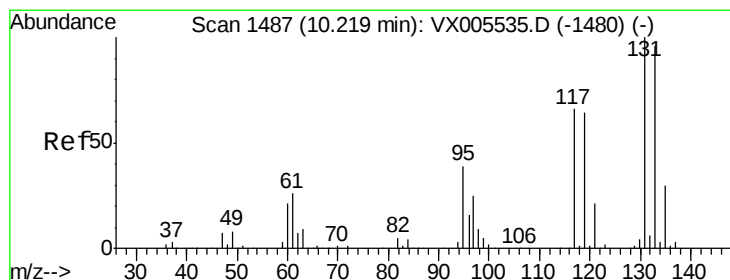
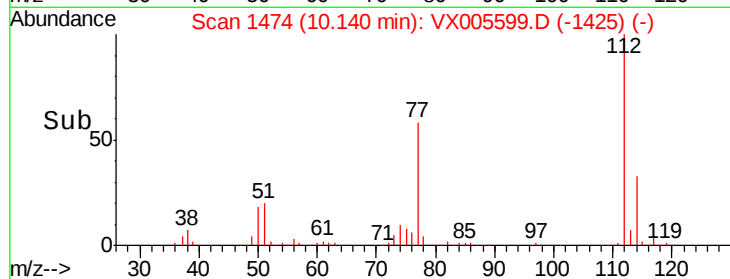
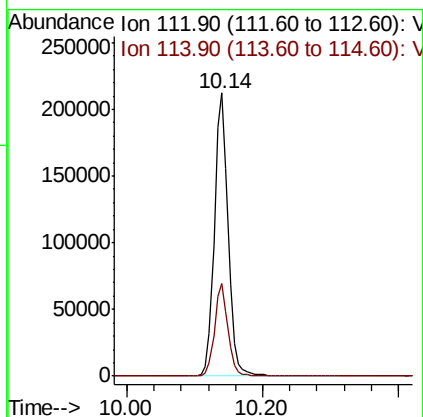
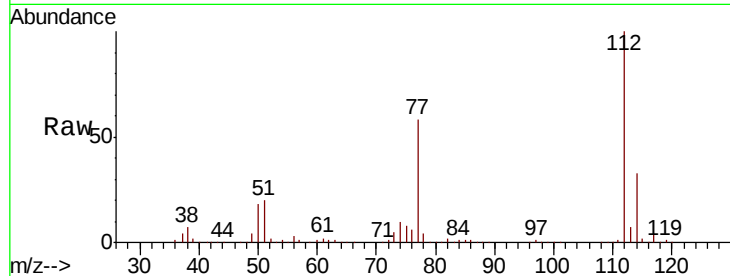




#65
Chlorobenzene
Concen: 49.152 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX005599.D
Acq: 26 Oct 2018 12:31

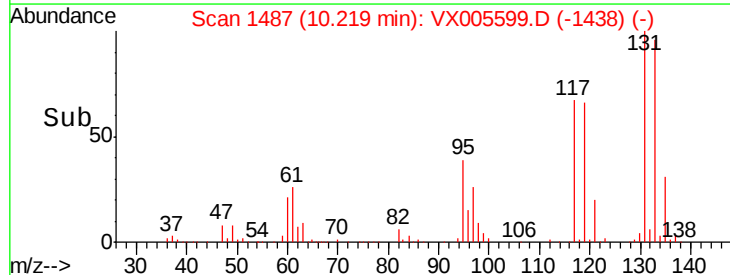
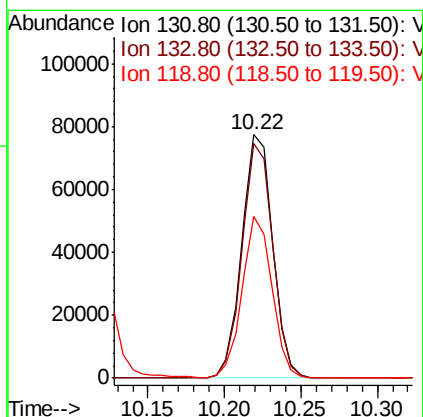
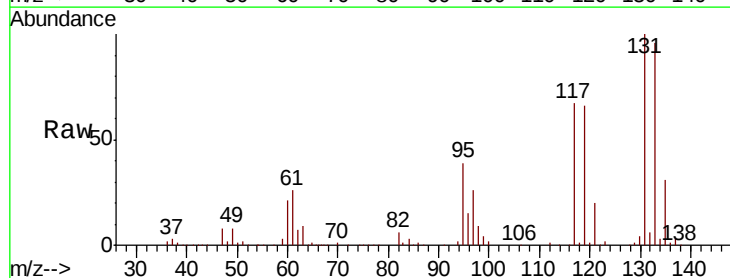
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

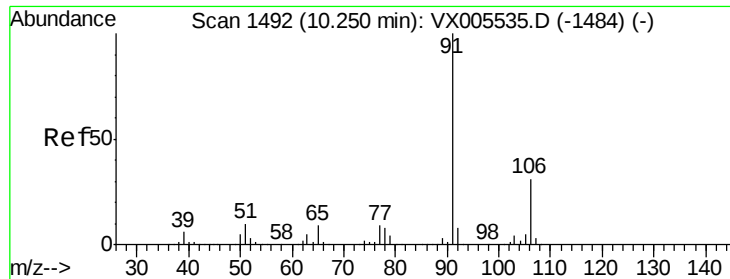
Tot Ion:112 Resp: 297188
Ion Ratio Lower Upper
112 100
114 32.6 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 49.203 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX005599.D
Acq: 26 Oct 2018 12:31

Tgt Ion:131 Resp: 108475
Ion Ratio Lower Upper
131 100
133 96.0 47.5 142.5
119 64.7 31.8 95.3





#67

Ethyl Benzene

Concen: 51.373 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX005599.D

Acq: 26 Oct 2018 12:31

Instrument :

MSVOA_X

ClientSampleId :

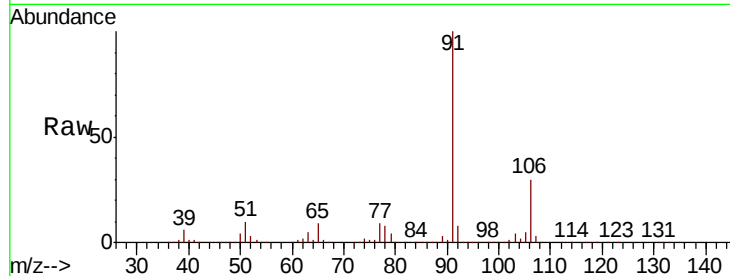
VSTDCCC050

Tot Ion: 91 Resp: 511056

Ion Ratio Lower Upper

91 100

106 30.3 24.4 36.6



Abundance Ion 91.00 (90.70 to 91.70): VX005535.D (-1484) (-)

Ion 106.00 (105.70 to 106.70): VX005535.D (-1484) (-)

600000

400000

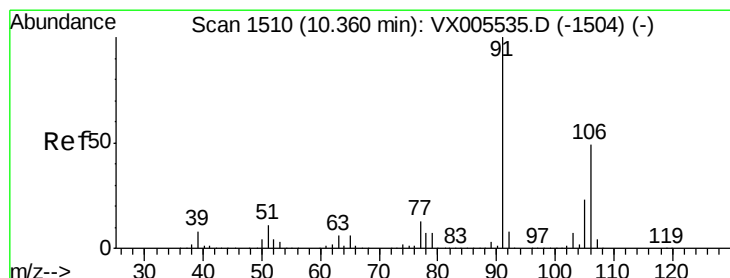
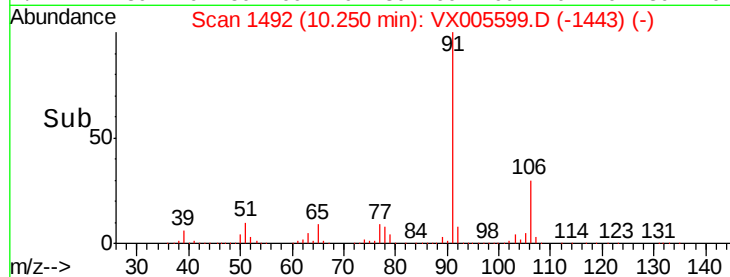
200000

0

10.25

10.30

Time-->



#68

m/p-Xylenes

Concen: 103.592 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX005599.D

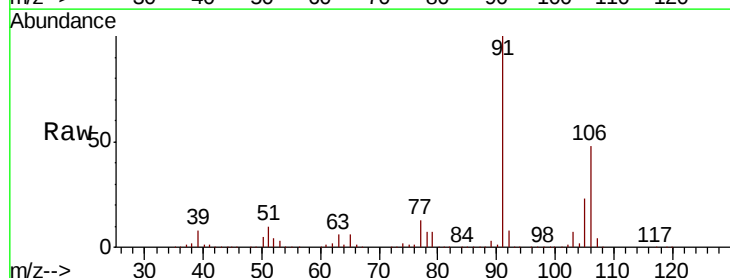
Acq: 26 Oct 2018 12:31

Tgt Ion: 106 Resp: 399813

Ion Ratio Lower Upper

106 100

91 206.7 164.2 246.4



Abundance Ion 106.00 (105.70 to 106.70): VX005535.D (-1504) (-)

Ion 91.00 (90.70 to 91.70): VX005535.D (-1504) (-)

600000

400000

200000

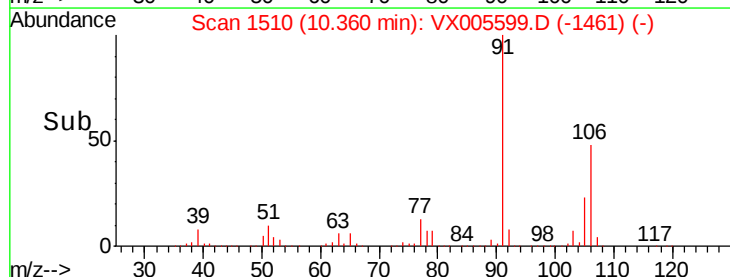
0

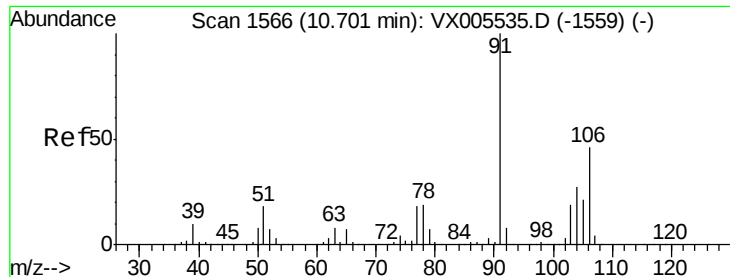
10.36

10.40

10.50

Time-->

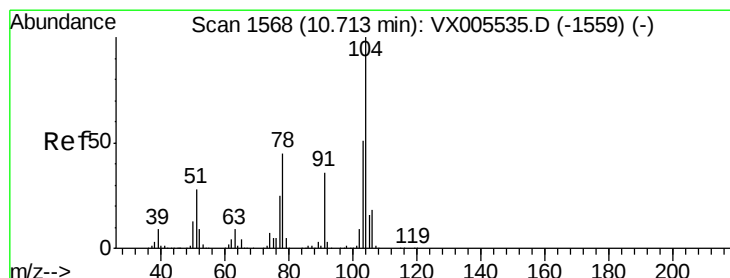
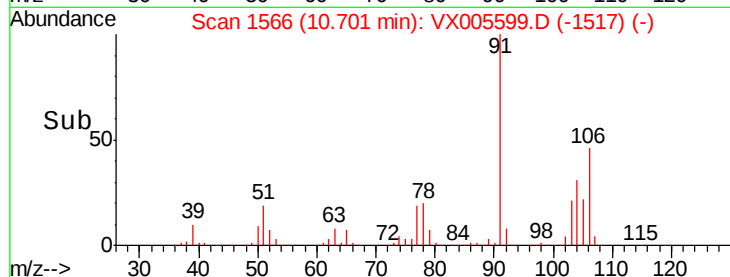
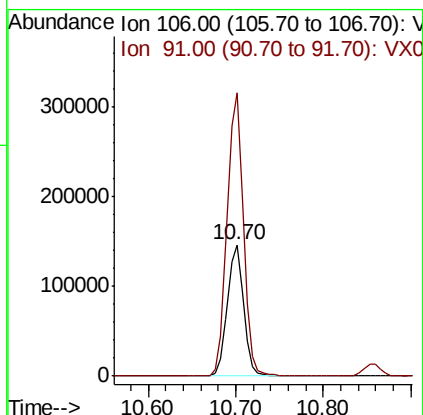
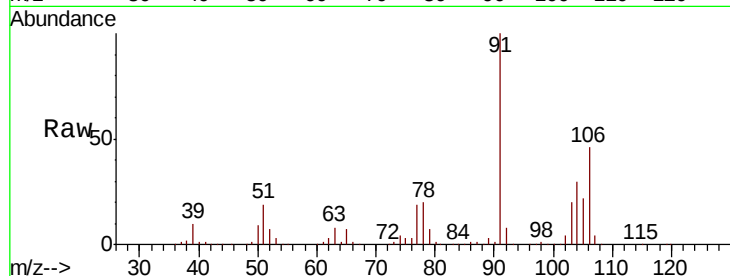




#69
o-Xylene
Concen: 51.842 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX005599.D
Acq: 26 Oct 2018 12:31

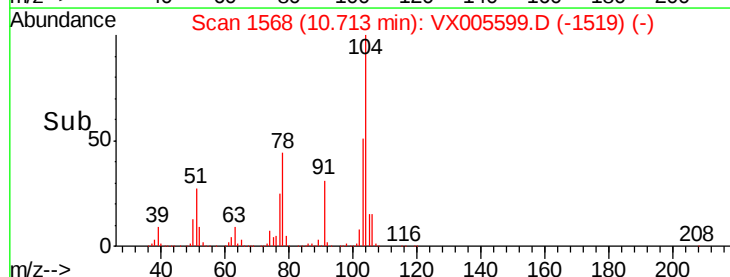
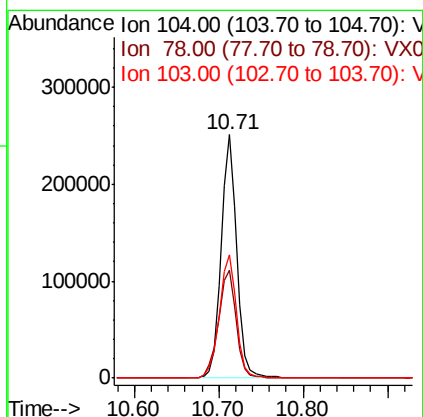
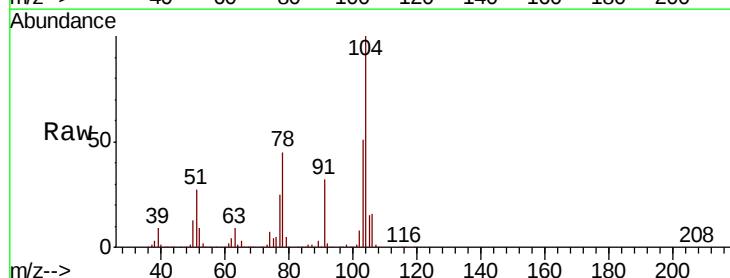
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

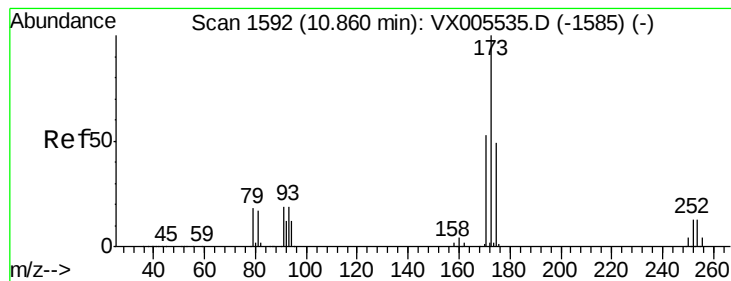
Tot Ion:106 Resp: 188244
Ion Ratio Lower Upper
106 100
91 217.4 108.5 325.5



#70
Styrene
Concen: 53.178 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX005599.D
Acq: 26 Oct 2018 12:31

Tgt Ion:104 Resp: 323243
Ion Ratio Lower Upper
104 100
78 50.5 40.2 60.4
103 56.0 44.9 67.3





#71

Bromoform

Concen: 49.465 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX005599.D

Acq: 26 Oct 2018 12:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

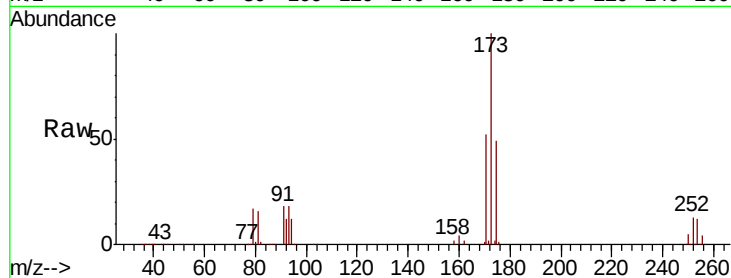
Tot Ion:173 Resp: 97314

Ion Ratio Lower Upper

173 100

175 48.9 24.8 74.3

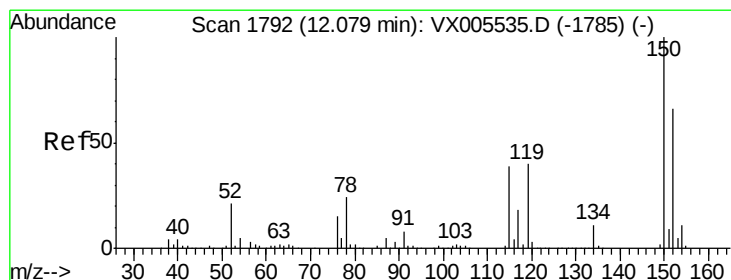
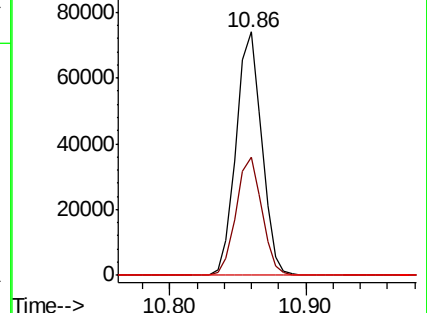
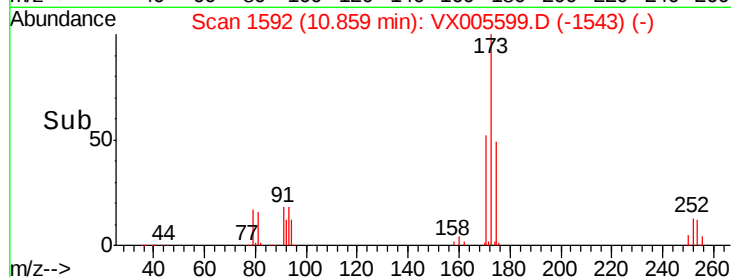
254 0.2 0.2 0.2



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: VX005599.D

Acq: 26 Oct 2018 12:31

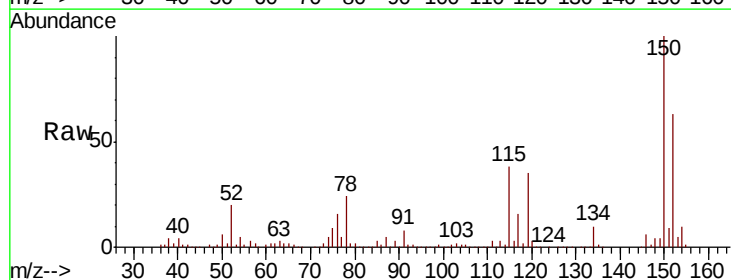
Tgt Ion:152 Resp: 167786

Ion Ratio Lower Upper

152 100

115 78.5 39.4 118.1

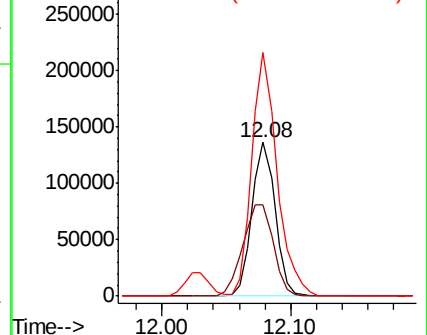
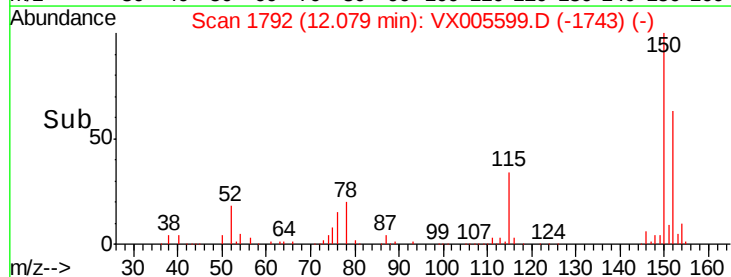
150 173.2 0.0 346.4

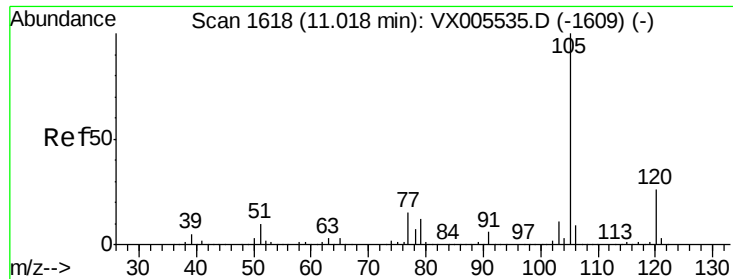


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.016 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX005599.D

Acq: 26 Oct 2018 12:31

Instrument :

MSVOA_X

ClientSampleId :

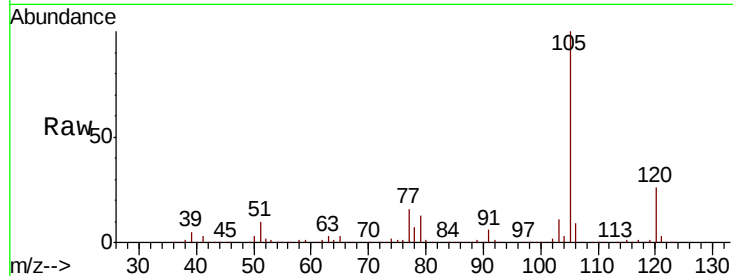
VSTDCCC050

Tot Ion:105 Resp: 523240

Ion Ratio Lower Upper

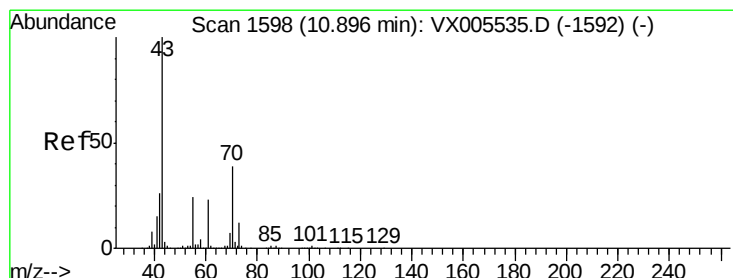
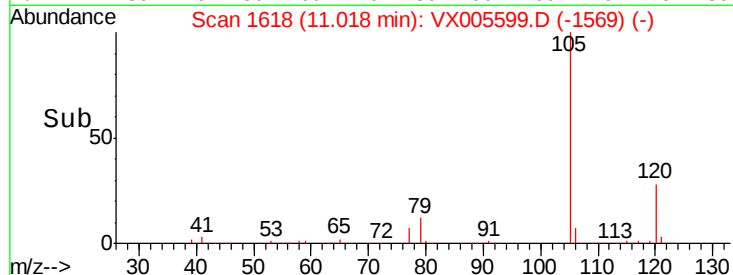
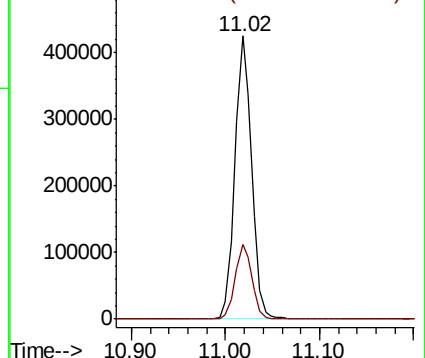
105 100

120 26.5 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 48.847 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX005599.D

Acq: 26 Oct 2018 12:31

Tgt Ion: 43 Resp: 248245

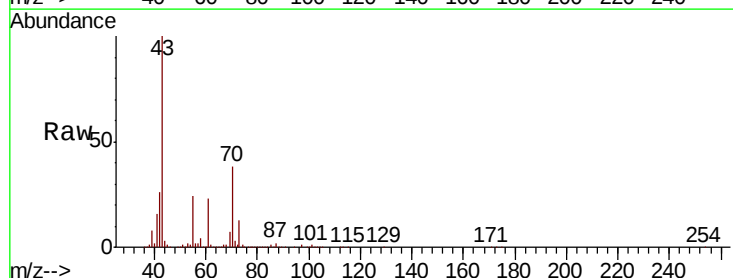
Ion Ratio Lower Upper

43 100

70 39.8 31.6 47.4

55 25.3 19.7 29.5

61 23.1 18.3 27.5

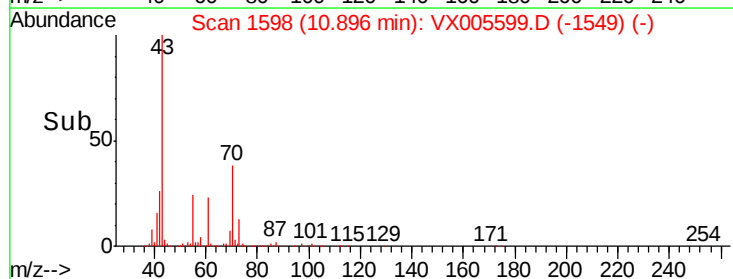
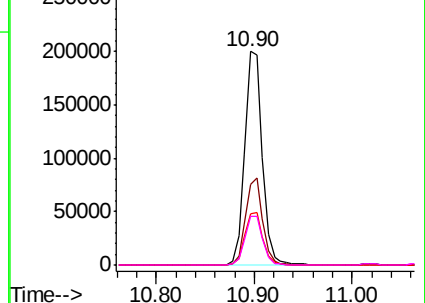


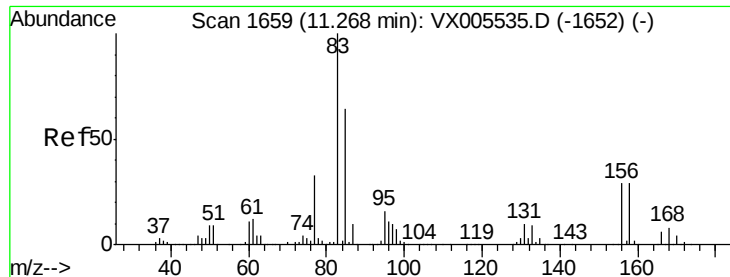
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 46.782 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX005599.D

Acq: 26 Oct 2018 12:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

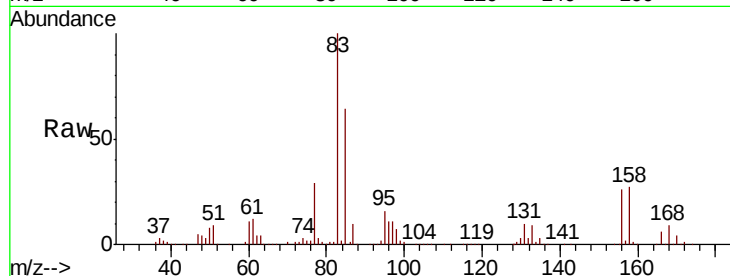
Tot Ion: 83 Resp: 177021

Ion Ratio Lower Upper

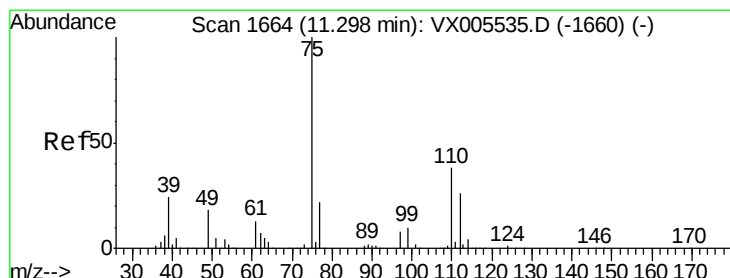
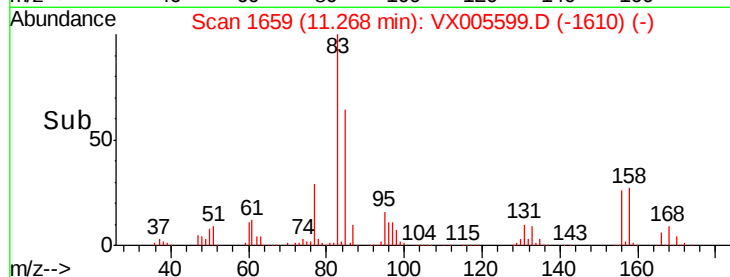
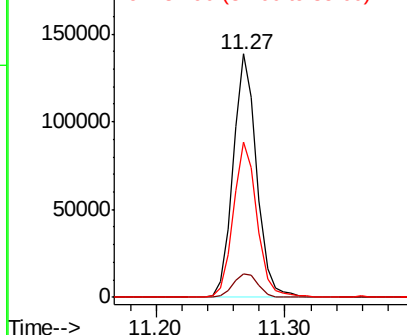
83 100

131 10.3 5.3 15.9

85 64.5 32.0 96.2



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



#76

1,2,3-Trichloropropane

Concen: 60.349 ug/l

RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VX005599.D

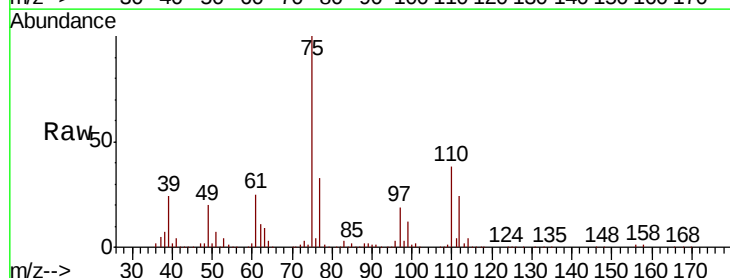
Acq: 26 Oct 2018 12:31

Tgt Ion: 75 Resp: 214541

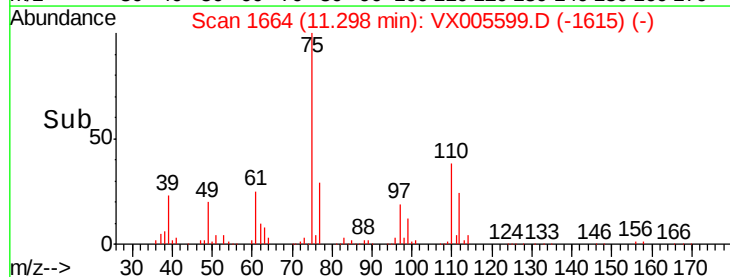
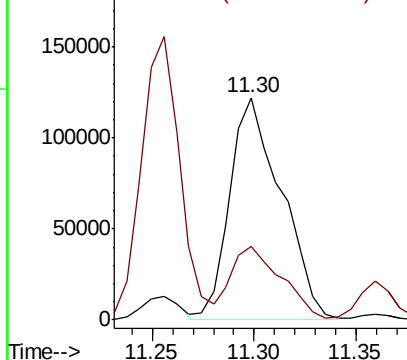
Ion Ratio Lower Upper

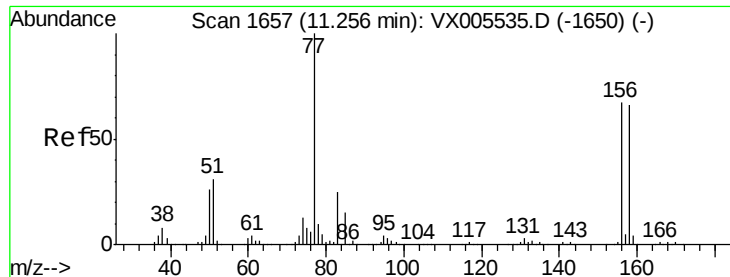
75 100

77 32.2 20.5 61.6



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





#77

Bromobenzene

Concen: 48.814 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX005599.D

Acq: 26 Oct 2018 12:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

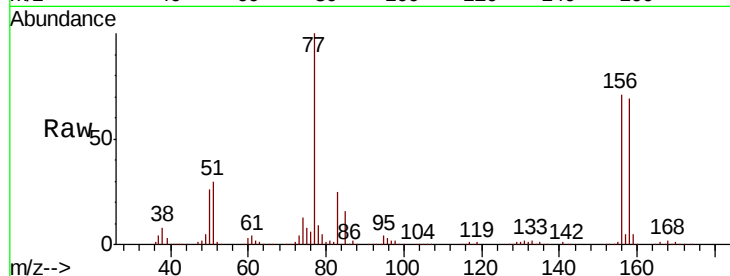
Tot Ion:156 Resp: 139528

Ion Ratio Lower Upper

156 100

77 146.0 74.8 224.4

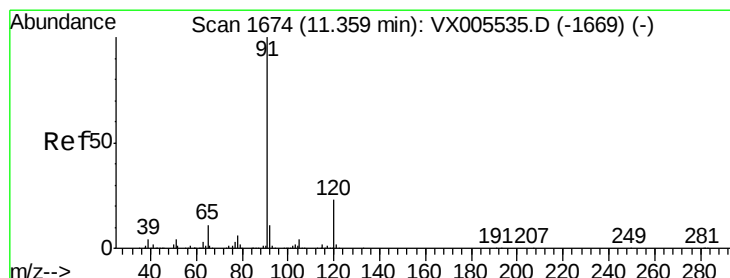
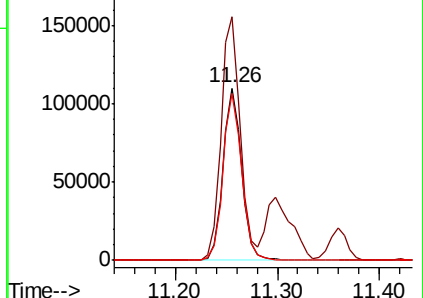
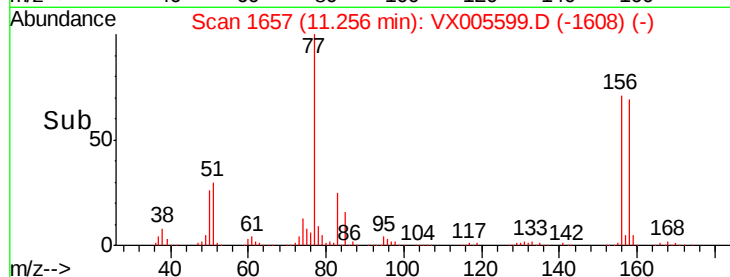
158 97.8 49.1 147.3



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: 52.761 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX005599.D

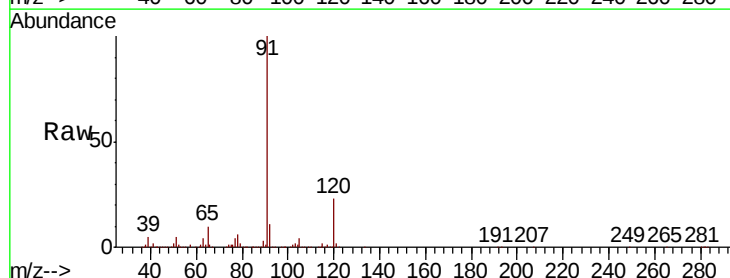
Acq: 26 Oct 2018 12:31

Tgt Ion: 91 Resp: 618772

Ion Ratio Lower Upper

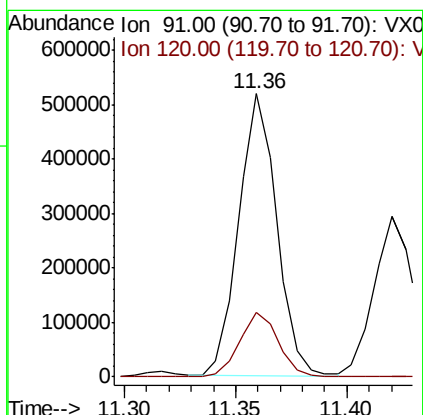
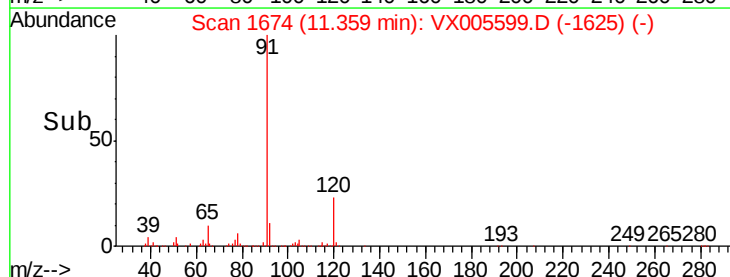
91 100

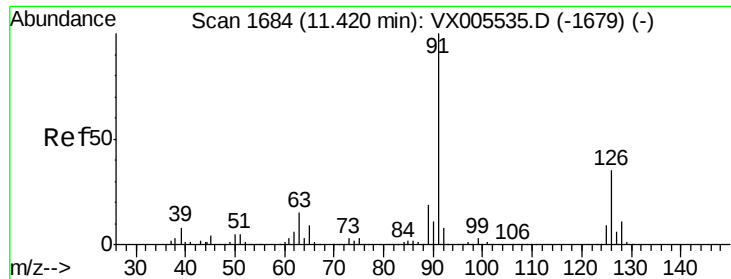
120 23.5 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

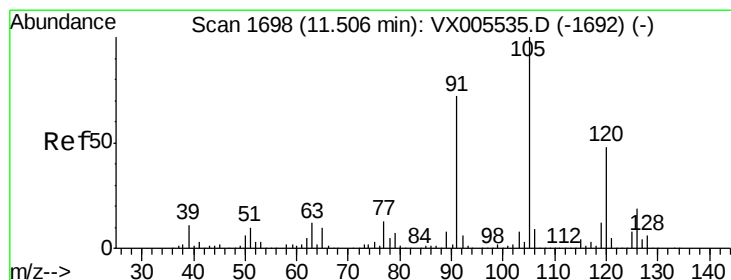
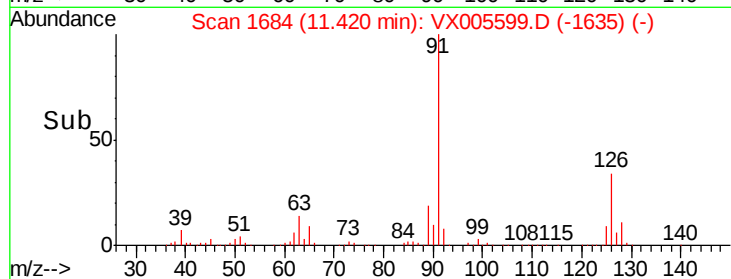
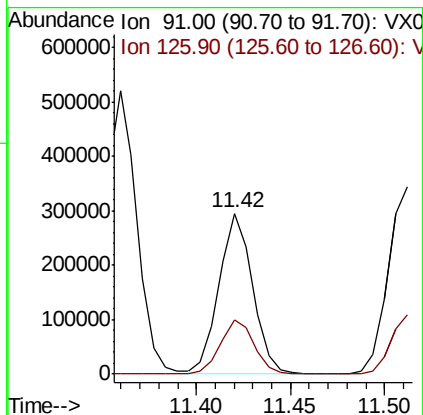
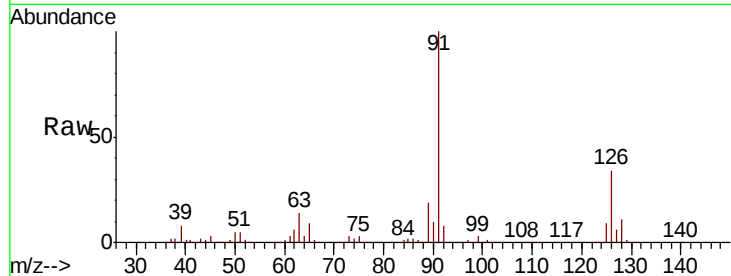




#79
 2-Chlorotoluene
 Concen: 49.947 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. -0.00 min
 Lab File: VX005599.D
 Acq: 26 Oct 2018 12:31

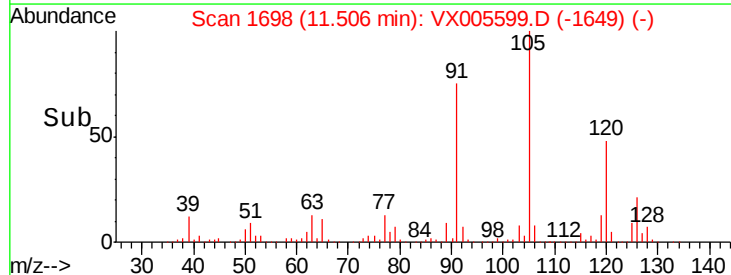
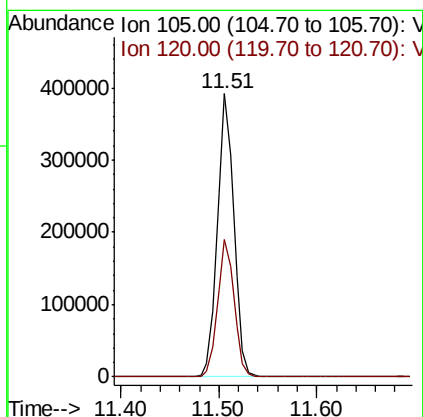
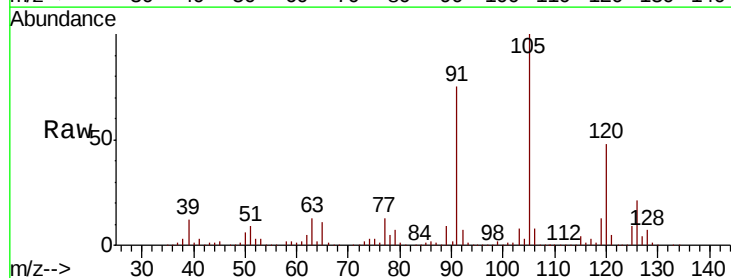
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

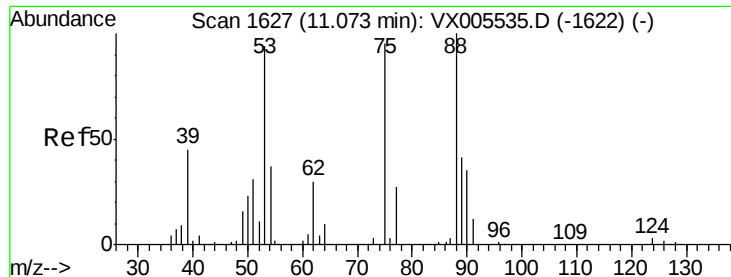
Tot Ion: 91 Resp: 363194
 Ion Ratio Lower Upper
 91 100
 126 34.6 17.3 52.0



#80
 1,3,5-Trimethylbenzene
 Concen: 52.086 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX005599.D
 Acq: 26 Oct 2018 12:31

Tgt Ion: 105 Resp: 456996
 Ion Ratio Lower Upper
 105 100
 120 48.7 24.1 72.2

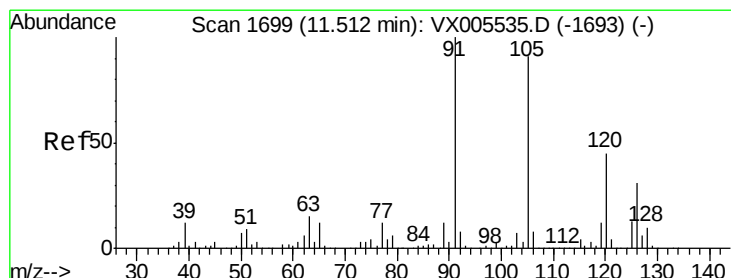
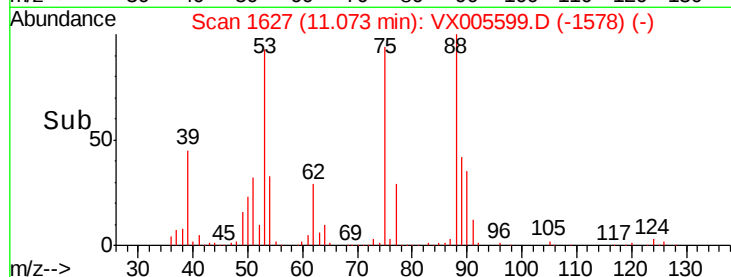
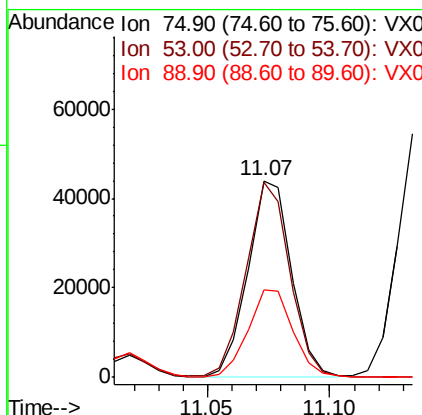
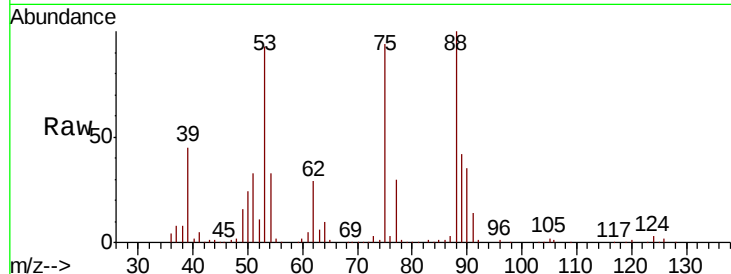




#81
trans-1,4-Dichloro-2-butene
Concen: 49.944 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX005599.D
Acq: 26 Oct 2018 12:31

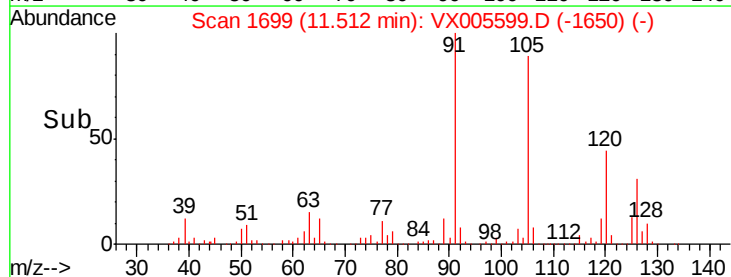
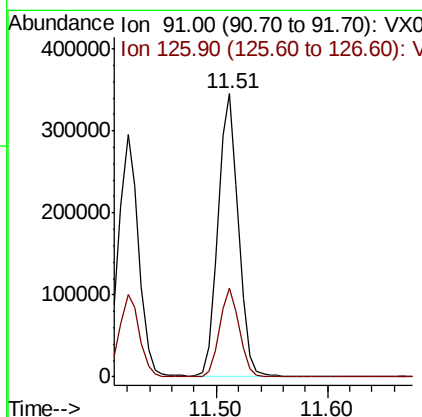
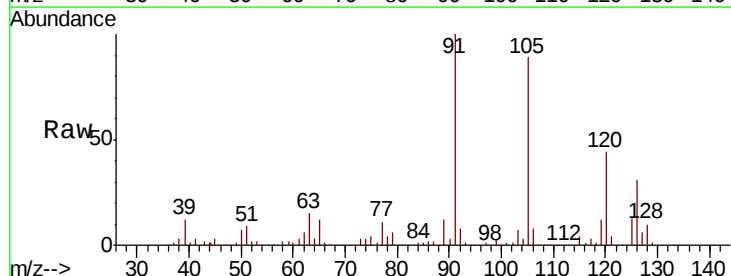
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

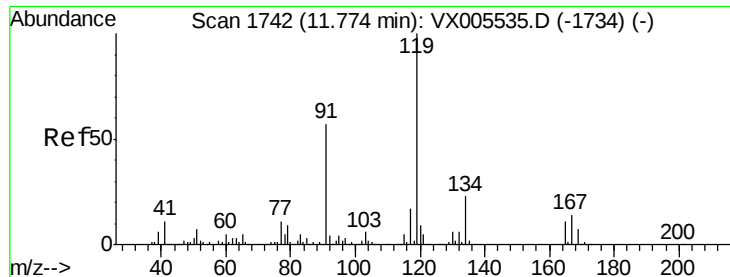
Tot Ion: 75 Resp: 54338
Ion Ratio Lower Upper
75 100
53 98.9 80.2 120.2
89 46.8 39.8 59.8



#82
4-Chlorotoluene
Concen: 50.839 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX005599.D
Acq: 26 Oct 2018 12:31

Tgt Ion: 91 Resp: 435915
Ion Ratio Lower Upper
91 100
126 30.4 15.2 45.6

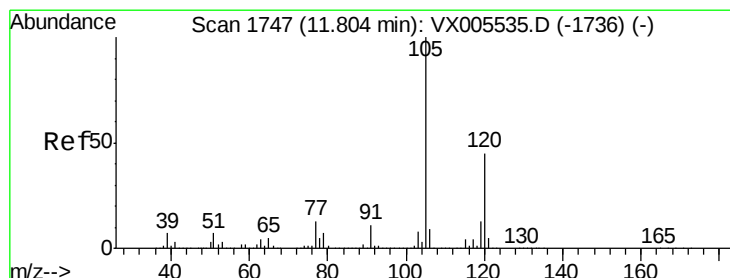
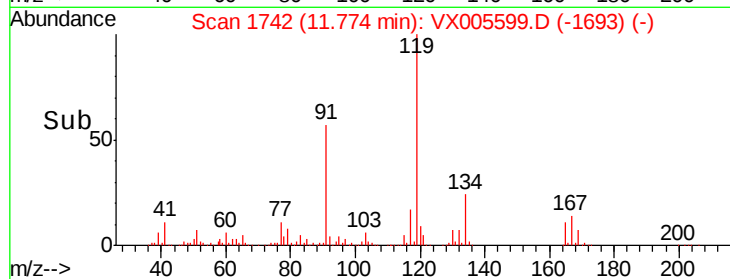
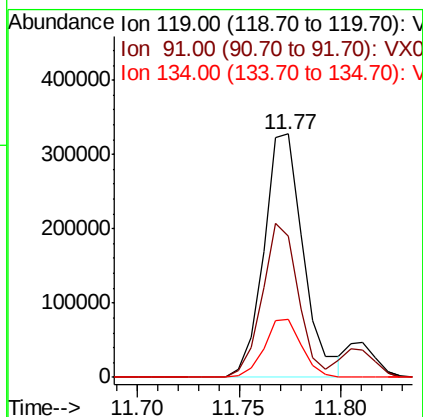
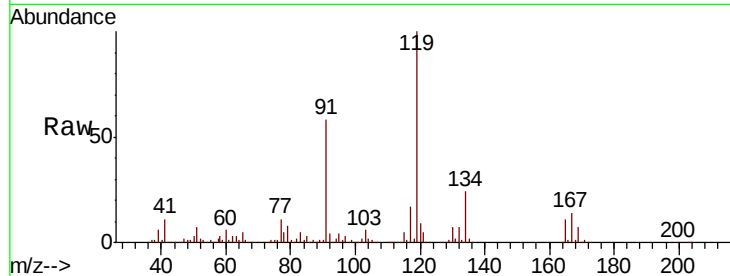




#83
tert-Butylbenzene
Concen: 50.632 ug/l
RT: 11.77 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VX005599.D
Acq: 26 Oct 2018 12:31

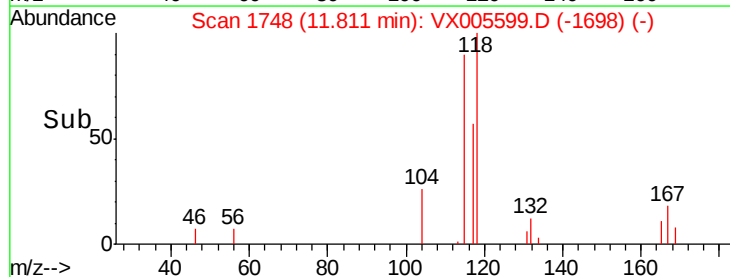
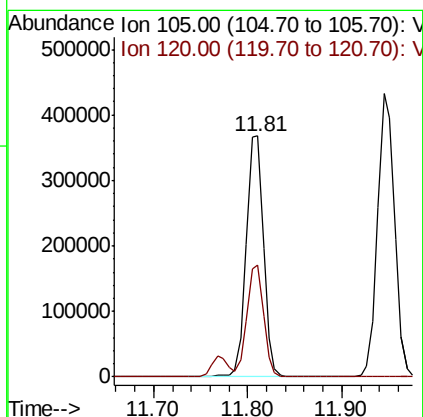
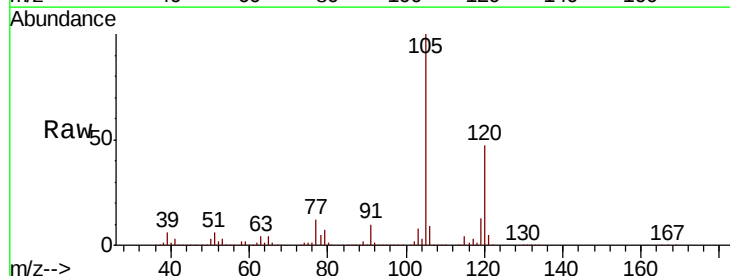
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

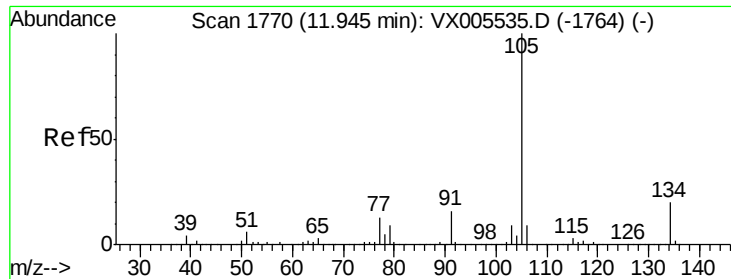
Tot Ion:119 Resp: 442819
Ion Ratio Lower Upper
119 100
91 57.6 28.5 85.5
134 22.7 11.3 33.8



#84
1,2,4-Trimethylbenzene
Concen: 53.026 ug/l
RT: 11.81 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VX005599.D
Acq: 26 Oct 2018 12:31

Tgt Ion:105 Resp: 471519
Ion Ratio Lower Upper
105 100
120 44.8 22.4 67.0





#85

sec-Butylbenzene

Concen: 51.851 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX005599.D

Acq: 26 Oct 2018 12:31

Instrument :

MSVOA_X

ClientSampleId :

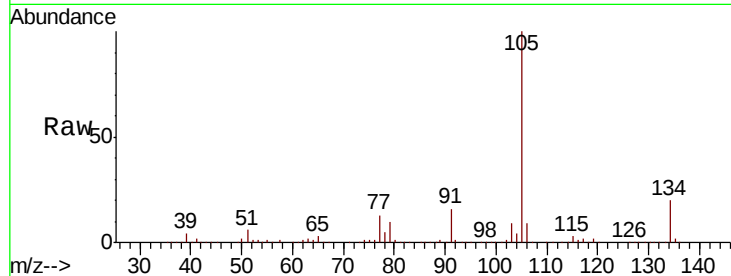
VSTDCCC050

Tot Ion:105 Resp: 541120

Ion Ratio Lower Upper

105 100

134 20.6 10.2 30.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

400000

300000

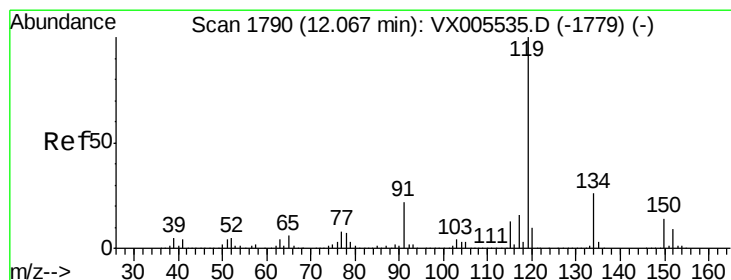
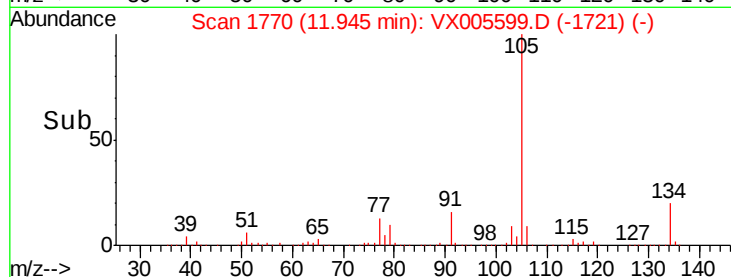
200000

100000

0

Time-->

11.90 11.95 12.00



#86

p-Isopropyltoluene

Concen: 53.316 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX005599.D

Acq: 26 Oct 2018 12:31

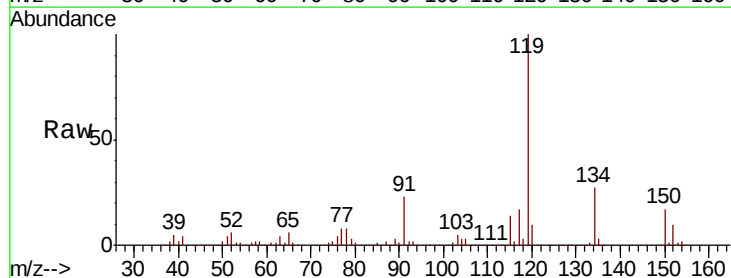
Tgt Ion:119 Resp: 497397

Ion Ratio Lower Upper

119 100

134 26.4 13.0 39.0

91 23.5 11.4 34.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

12.07

400000

300000

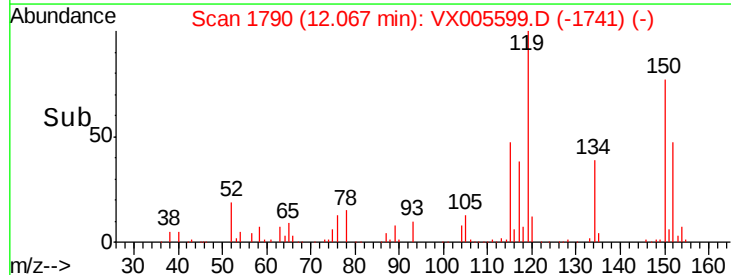
200000

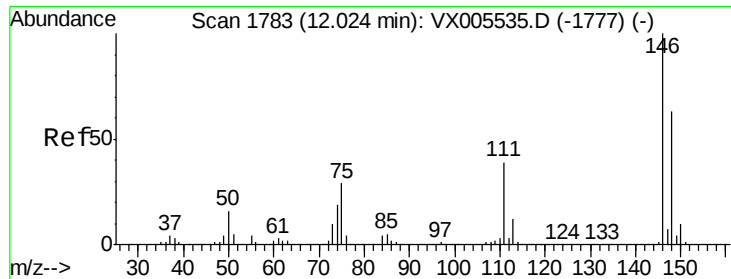
100000

0

Time-->

12.00 12.10 12.20

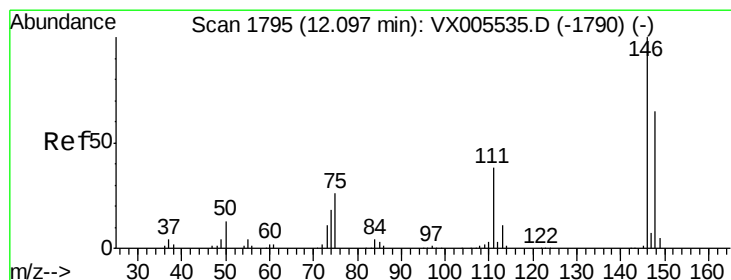
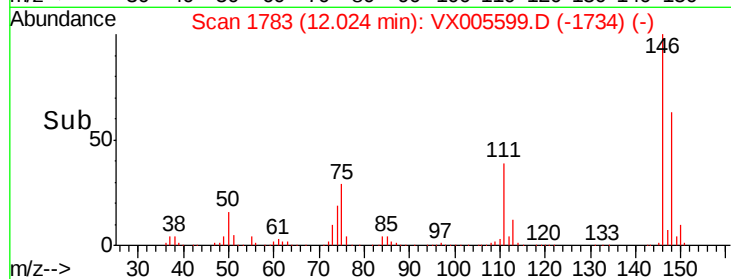
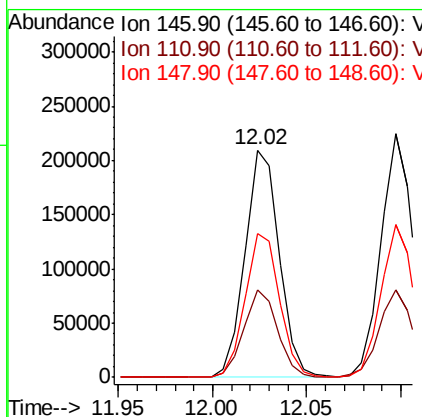
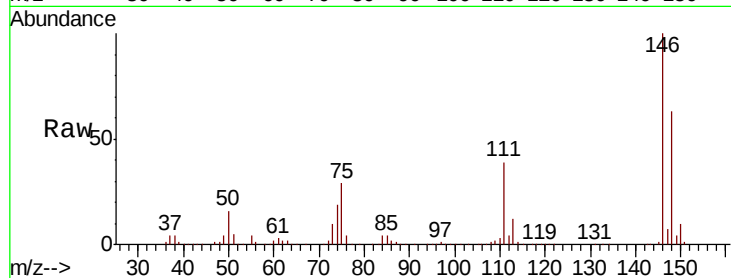




#87
 1,3-Dichlorobenzene
 Concen: 49.260 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX005599.D
 Acq: 26 Oct 2018 12:31

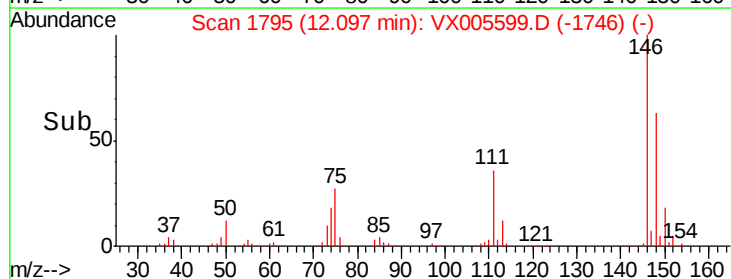
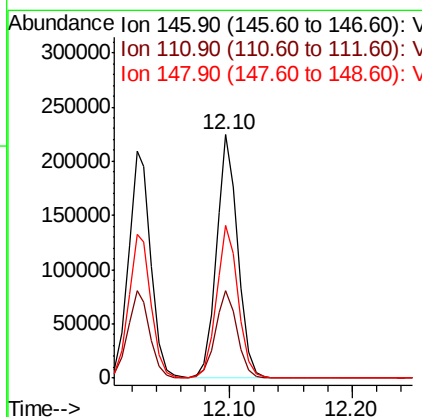
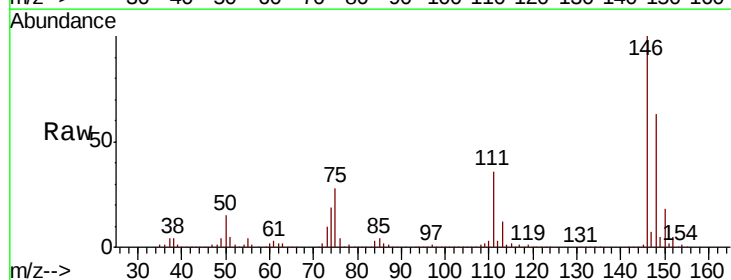
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

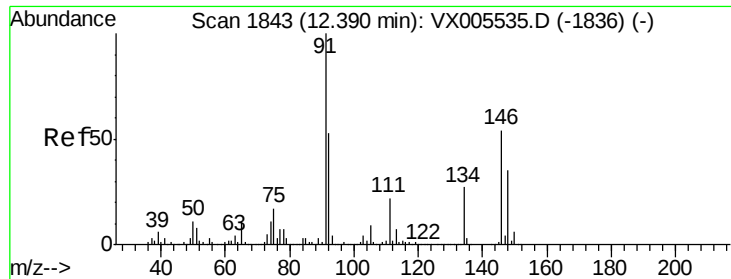
Tot Ion:146 Resp: 264778
 Ion Ratio Lower Upper
 146 100
 111 38.1 19.0 57.0
 148 64.0 31.9 95.9



#88
 1,4-Dichlorobenzene
 Concen: 48.458 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX005599.D
 Acq: 26 Oct 2018 12:31

Tgt Ion:146 Resp: 271882
 Ion Ratio Lower Upper
 146 100
 111 36.9 18.6 55.8
 148 63.6 32.1 96.3

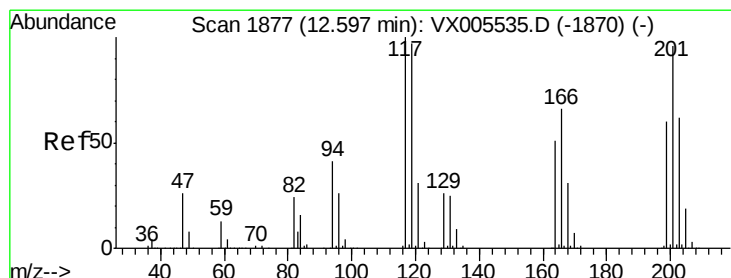
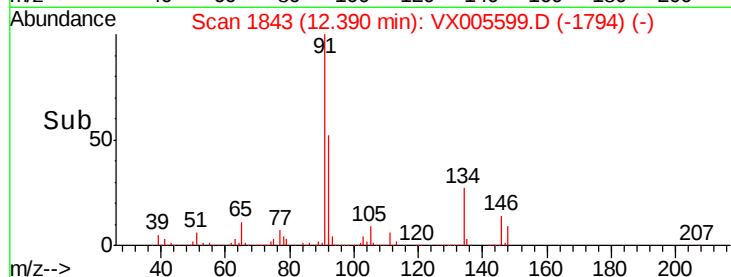
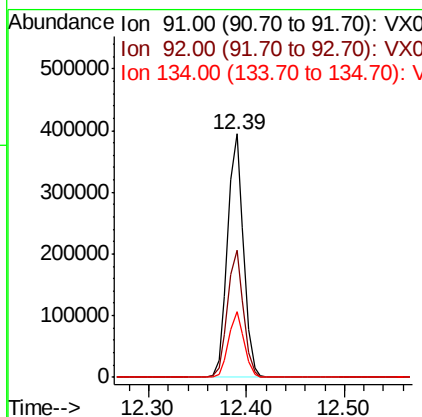
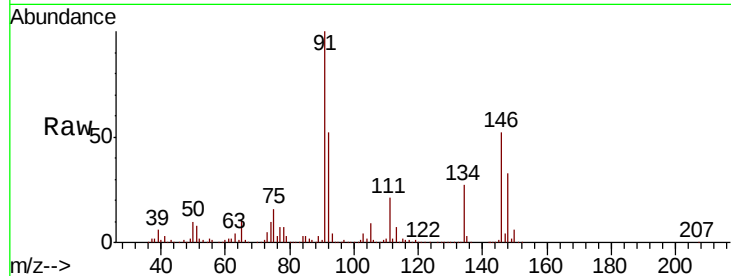




#89
n-Butylbenzene
Concen: 52.980 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX005599.D
Acq: 26 Oct 2018 12:31

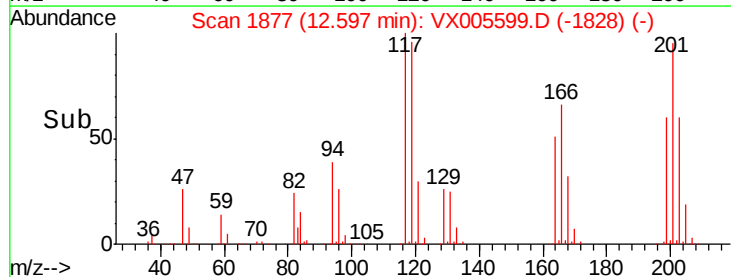
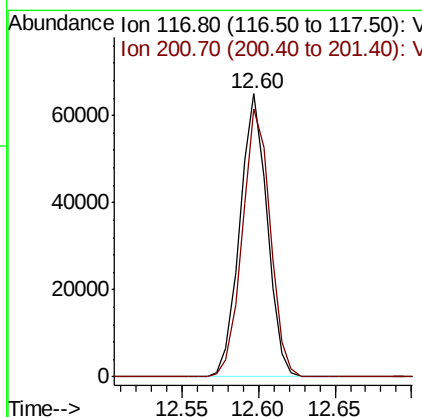
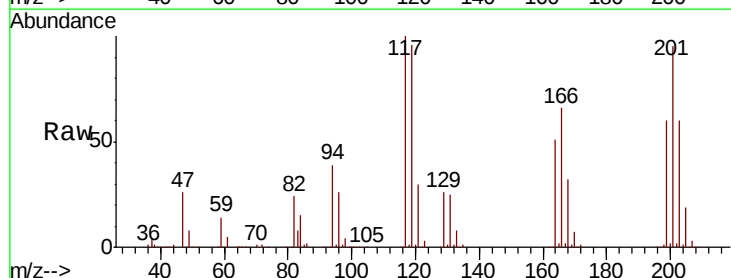
Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

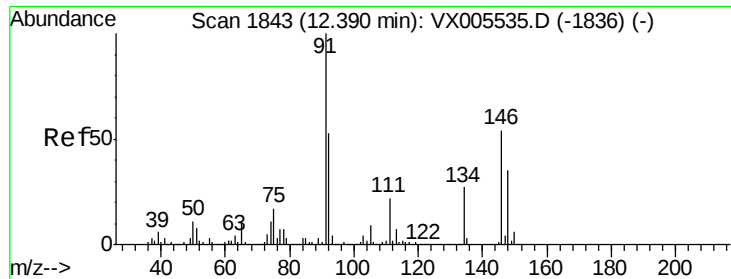
Tot Ion: 91 Resp: 446208
Ion Ratio Lower Upper
91 100
92 51.9 26.1 78.2
134 26.6 13.1 39.3



#90
Hexachloroethane
Concen: 49.898 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX005599.D
Acq: 26 Oct 2018 12:31

Tgt Ion: 117 Resp: 80287
Ion Ratio Lower Upper
117 100
201 96.5 47.9 143.6





#91

1,2-Dichlorobenzene

Concen: 48.518 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX005599.D

Acq: 26 Oct 2018 12:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

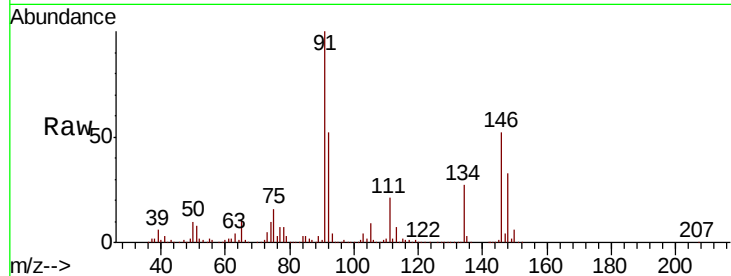
Tot Ion:146 Resp: 263850

Ion Ratio Lower Upper

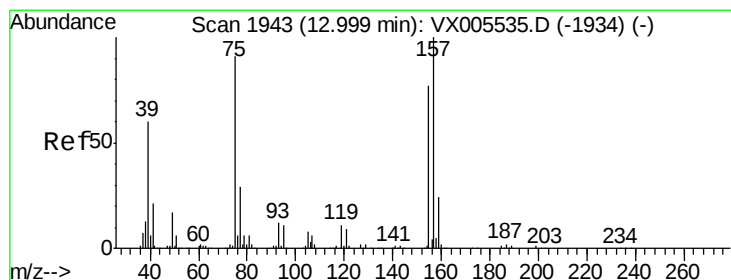
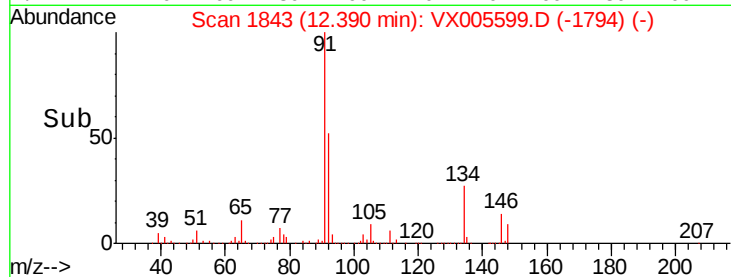
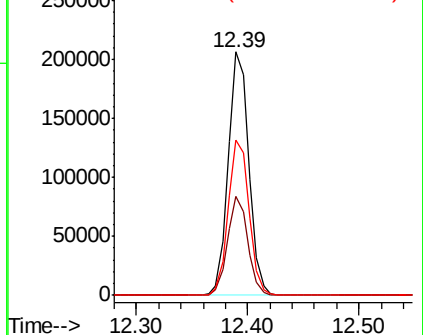
146 100

111 39.7 20.0 59.9

148 64.5 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 47.387 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VX005599.D

Acq: 26 Oct 2018 12:31

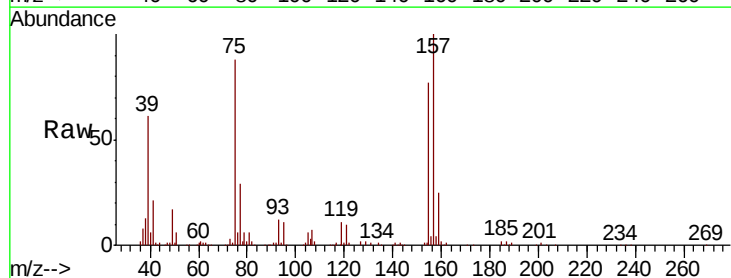
Tgt Ion: 75 Resp: 43355

Ion Ratio Lower Upper

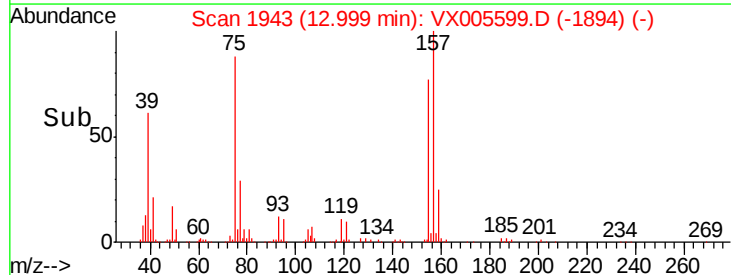
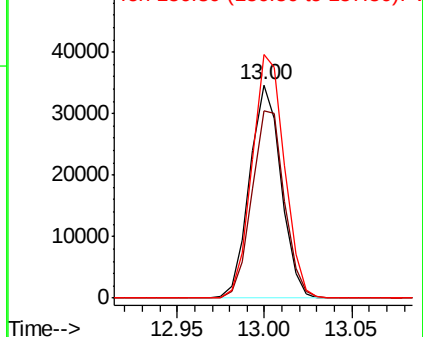
75 100

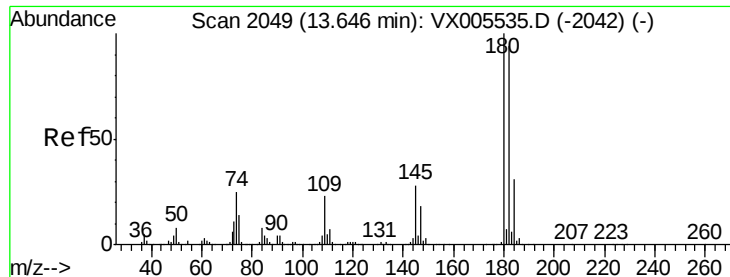
155 90.3 45.4 136.1

157 117.5 57.4 172.0



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

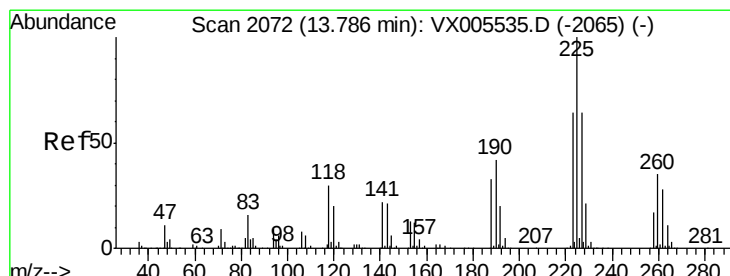
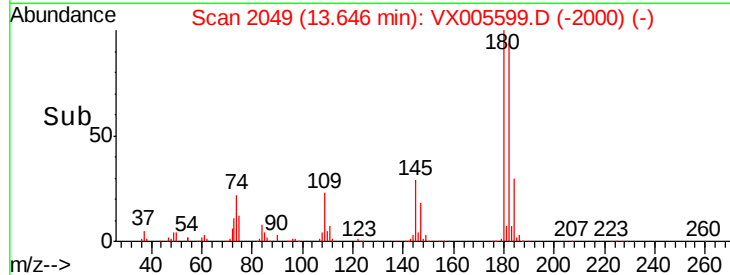
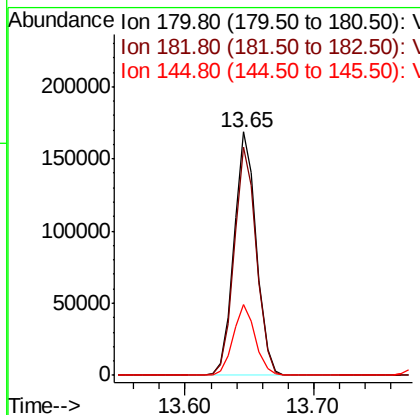
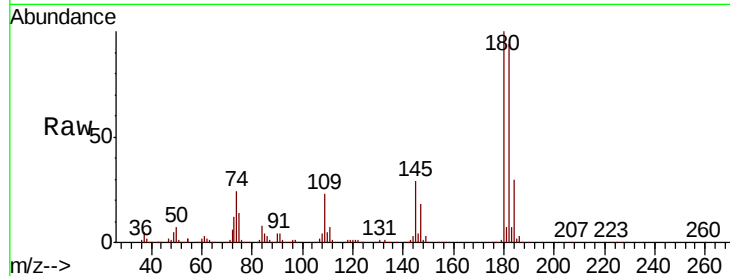




#93
 1,2,4-Trichlorobenzene
 Concen: 51.555 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX005599.D
 Acq: 26 Oct 2018 12:31

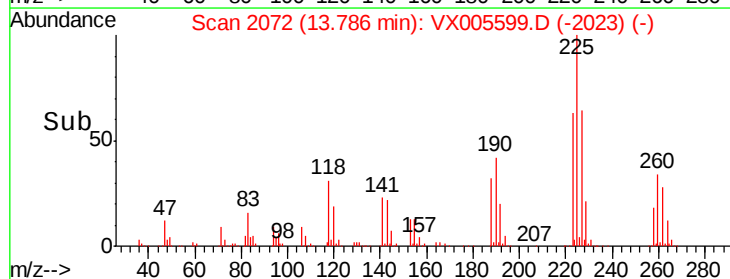
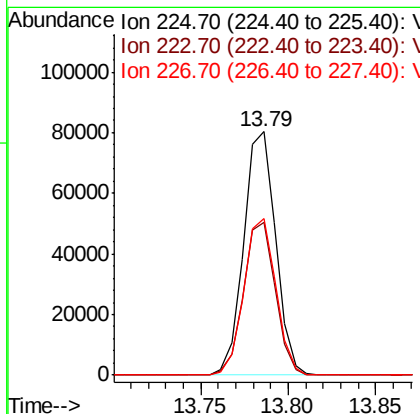
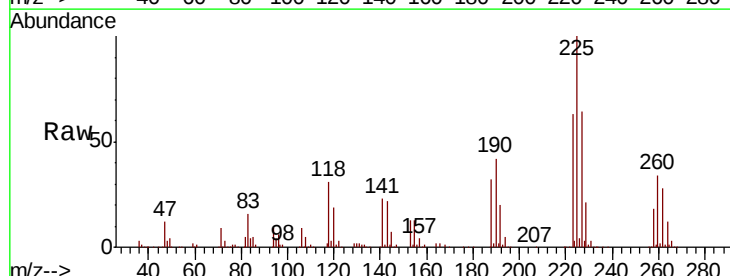
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

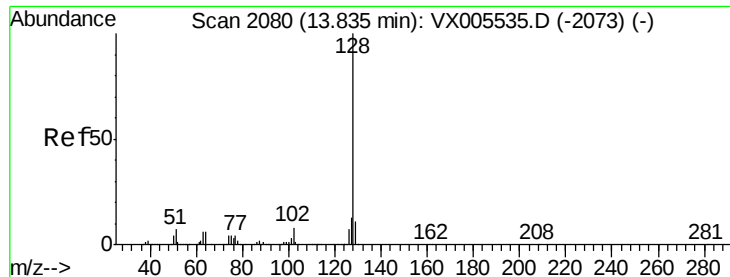
Tot Ion	Ratio	Lower	Upper
180	100		
182	93.6	47.6	142.8
145	28.6	14.1	42.2



#94
 Hexachlorobutadiene
 Concen: 49.781 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX005599.D
 Acq: 26 Oct 2018 12:31

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.7	31.7	95.1
227	64.4	32.3	96.9

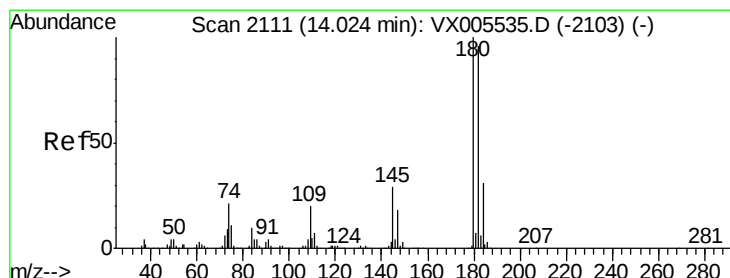
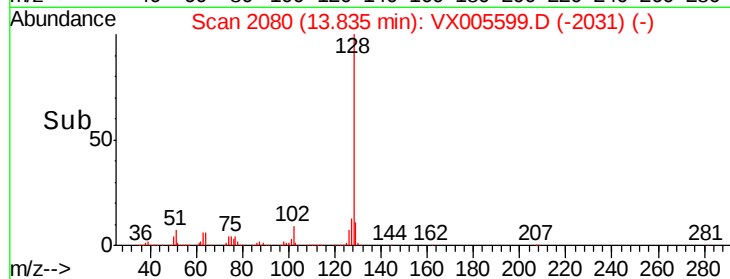
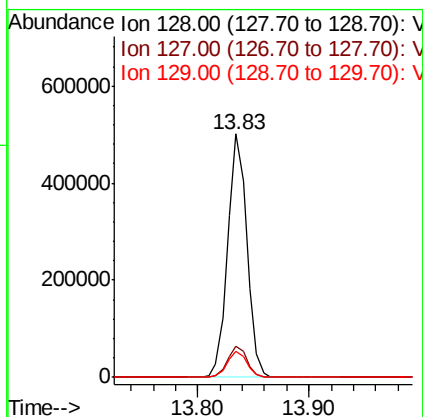
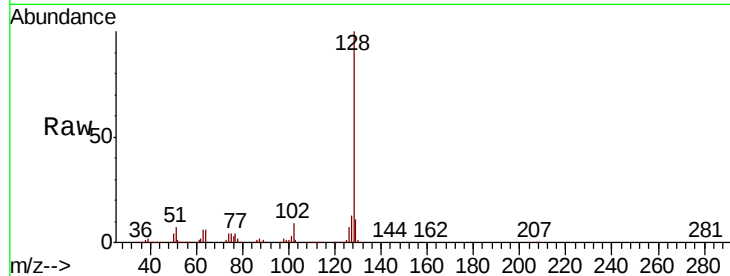




#95
Naphthalene
Concen: 52.289 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX005599.D
Acq: 26 Oct 2018 12:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 599172
Ion Ratio Lower Upper
128 100
127 13.1 10.4 15.6
129 10.8 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 50.690 ug/l
RT: 14.02 min Scan# 2111
Delta R.T. -0.00 min
Lab File: VX005599.D
Acq: 26 Oct 2018 12:31

Tgt Ion:180 Resp: 202560
Ion Ratio Lower Upper
180 100
182 95.8 48.0 144.2
145 30.3 15.1 45.3

