

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX022819\
 Data File : VX007778.D
 Acq On : 28 Feb 2019 20:25
 Operator : JC/SP
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Mar 01 01:34:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X022519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 26 01:53:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	293029	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	432356	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	386292	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	198418	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	165952	45.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.44%	
35) Dibromofluoromethane	5.50	113	141039	48.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.60%	
50) Toluene-d8	8.71	98	527754	47.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.40%	
62) 4-Bromofluorobenzene	11.13	95	189278	46.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	120922	44.796	ug/l	99
3) Chloromethane	1.33	50	140584	46.998	ug/l	99
4) Vinyl Chloride	1.41	62	146705	47.803	ug/l	99
5) Bromomethane	1.64	94	83264	42.852	ug/l	98
6) Chloroethane	1.72	64	94614	48.255	ug/l	99
7) Trichlorofluoromethane	1.93	101	206872	43.971	ug/l	98
8) Diethyl Ether	2.19	74	87994	45.573	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	2.39	101	121517	42.734	ug/l	99
10) Methyl Iodide	2.51	142	181348	51.217	ug/l	100
11) Tert butyl alcohol	3.07	59	162903	236.543	ug/l	99
12) 1,1-Dichloroethene	2.38	96	118407	46.195	ug/l	97
13) Acrolein	2.30	56	124278	203.078	ug/l	100
14) Allyl chloride	2.73	41	244686	51.628	ug/l	93
15) Acrylonitrile	3.15	53	407417	251.387	ug/l	100
16) Acetone	2.45	43	354393	219.557	ug/l	98
17) Carbon Disulfide	2.57	76	325691	45.673	ug/l	99
18) Methyl Acetate	2.78	43	191467	54.360	ug/l	96
19) Methyl tert-butyl Ether	3.20	73	428182	47.971	ug/l	98
20) Methylene Chloride	2.86	84	134745	45.209	ug/l	95
21) trans-1,2-Dichloroethene	3.17	96	126467	45.385	ug/l	93
22) Diisopropyl ether	3.87	45	502341	50.916	ug/l	95
23) Vinyl Acetate	3.82	43	2172965	251.035	ug/l	97
24) 1,1-Dichloroethane	3.70	63	260739	48.627	ug/l	98
25) 2-Butanone	4.70	43	610177	248.167	ug/l	95
26) 2,2-Dichloropropane	4.59	77	175514	41.007	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	158823	44.794	ug/l	93
28) Bromochloromethane	5.02	49	125794	48.190	ug/l	86
29) Tetrahydrofuran	5.15	42	407329	251.323	ug/l	93
30) Chloroform	5.21	83	258733	45.047	ug/l	99
31) Cyclohexane	5.58	56	237081	47.005	ug/l	94
32) 1,1,1-Trichloroethane	5.49	97	221117	46.550	ug/l	98
36) 1,1-Dichloropropene	5.80	75	194365	50.003	ug/l	97
37) Ethyl Acetate	4.85	43	233116	53.989	ug/l	100
38) Carbon Tetrachloride	5.78	117	192825	49.384	ug/l	97

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	234700	47.775	ug/l	94
40) Benzene	6.14	78	596666	49.726	ug/l	99
41) Methacrylonitrile	5.06	41	131657	57.102	ug/l	94
42) 1,2-Dichloroethane	6.20	62	205305	50.906	ug/l	100
43) Isopropyl Acetate	6.46	43	362297	54.518	ug/l	99
44) Trichloroethene	7.21	130	162113	49.113	ug/l	95
45) 1,2-Dichloropropane	7.51	63	159909	51.447	ug/l	99
46) Dibromomethane	7.66	93	100698	46.438	ug/l	99
47) Bromodichloromethane	7.90	83	191057	50.843	ug/l	98
48) Methyl methacrylate	7.77	41	194669	55.884	ug/l	91
49) 1,4-Dioxane	7.75	88	70006	930.485	ug/l	92
51) 4-Methyl-2-Pentanone	8.65	43	1183645	266.089	ug/l	99
52) Toluene	8.79	92	370949	49.026	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	212409	45.721	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	234648	51.456	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	152818	48.433	ug/l	99
56) Ethyl methacrylate	9.18	69	237254	52.876	ug/l	94
57) 1,3-Dichloropropane	9.37	76	256654	50.814	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	638910	258.214	ug/l	97
59) 2-Hexanone	9.49	43	884043	253.139	ug/l	100
60) Dibromochloromethane	9.58	129	158133	52.085	ug/l	98
61) 1,2-Dibromoethane	9.67	107	161815	49.395	ug/l	99
64) Tetrachloroethene	9.34	164	165077	52.640	ug/l	98
65) Chlorobenzene	10.14	112	409892	49.061	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	151823	52.096	ug/l	100
67) Ethyl Benzene	10.25	91	697314	50.384	ug/l	99
68) m/p-Xylenes	10.36	106	536032	99.556	ug/l	98
69) o-Xylene	10.70	106	260597	50.318	ug/l	96
70) Styrene	10.71	104	430843	50.612	ug/l	99
71) Bromoform	10.85	173	123527	56.524	ug/l	99
73) Isopropylbenzene	11.02	105	697226	49.166	ug/l	100
74) N-amyl acetate	10.90	43	316093	51.328	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	222264	45.315	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	263864	62.388	ug/l	80
77) Bromobenzene	11.26	156	185645	52.192	ug/l	94
78) n-propylbenzene	11.36	91	778074	48.554	ug/l	99
79) 2-Chlorotoluene	11.42	91	460939	47.771	ug/l	96
80) 1,3,5-Trimethylbenzene	11.51	105	573761	49.187	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	66987	42.898	ug/l	94
82) 4-Chlorotoluene	11.51	91	533186	47.236	ug/l	98
83) tert-Butylbenzene	11.77	119	566428	50.575	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	584830	49.014	ug/l	98
85) sec-Butylbenzene	11.94	105	690671	49.212	ug/l	99
86) p-Isopropyltoluene	12.06	119	619776	50.425	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	327082	49.575	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	327941	48.533	ug/l	99
89) n-Butylbenzene	12.38	91	521765	47.600	ug/l	99
90) Hexachloroethane	12.60	117	99540	48.065	ug/l	91
91) 1,2-Dichlorobenzene	12.39	146	325317	49.279	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	48752	45.618	ug/l	96

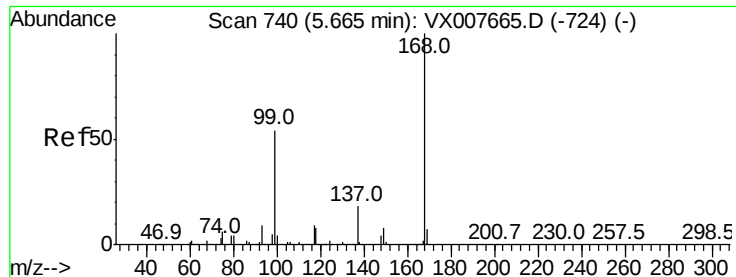
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	230229	57.134	ug/l	100
94) Hexachlorobutadiene	13.78	225	118845	64.470	ug/l	99
95) Naphthalene	13.83	128	683283	52.337	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	229733	56.778	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX007778.D

Acq: 28 Feb 2019 20:25

Instrument :

MSVOA_X

ClientSampleId :

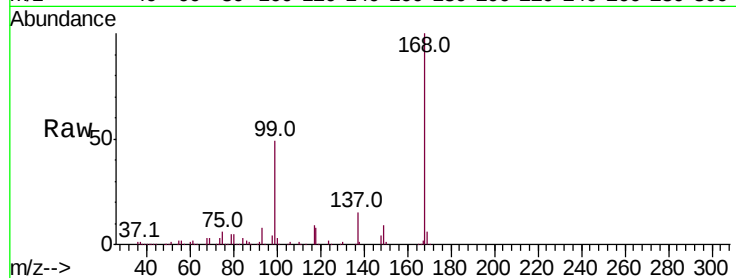
VSTDCCC050EC

Tot Ion:168 Resp: 293029

Ion Ratio Lower Upper

168 100

99 49.2 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

120000

100000

80000

60000

40000

20000

0

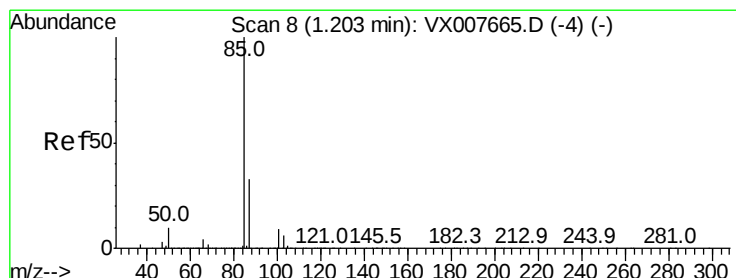
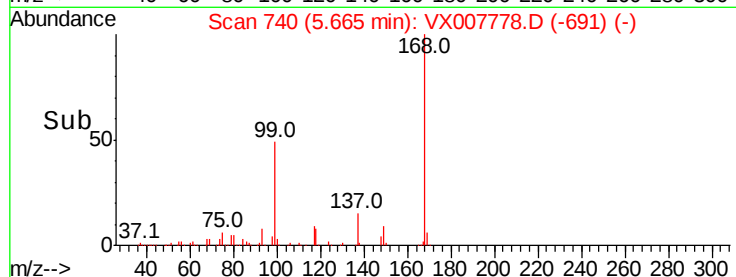
5.50

5.60

5.70

5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 44.796 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.00 min

Lab File: VX007778.D

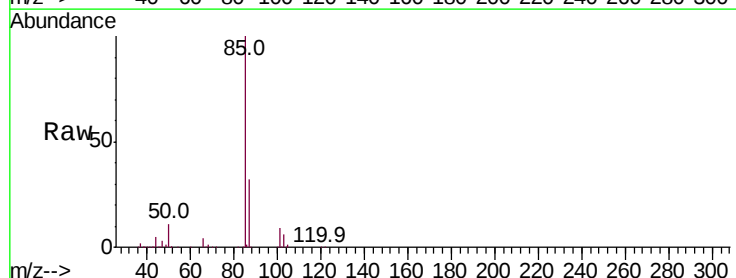
Acq: 28 Feb 2019 20:25

Tgt Ion: 85 Resp: 120922

Ion Ratio Lower Upper

85 100

87 32.3 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

120000

100000

80000

60000

40000

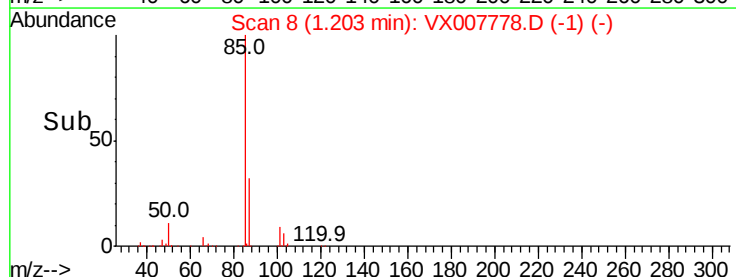
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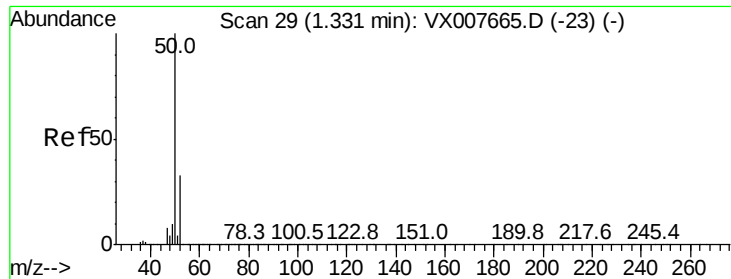
0

1.20

1.30

Time-->





#3

Chloromethane

Concen: 46.998 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX007778.D

Acq: 28 Feb 2019 20:25

Instrument :

MSVOA_X

ClientSampleId :

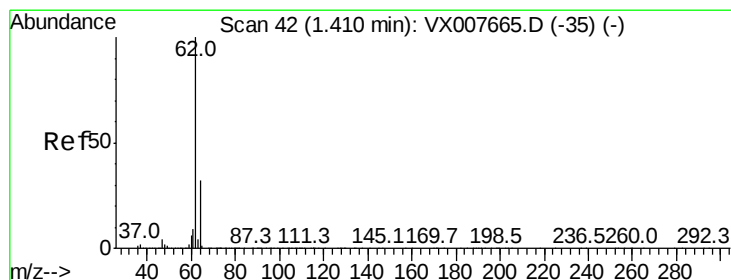
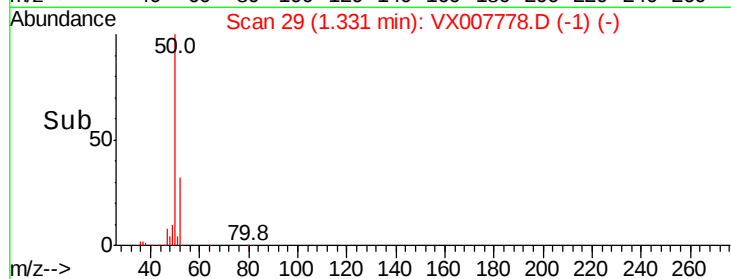
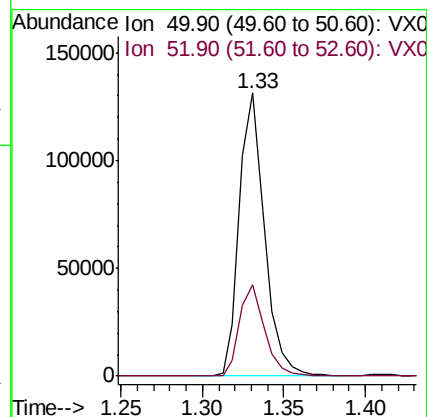
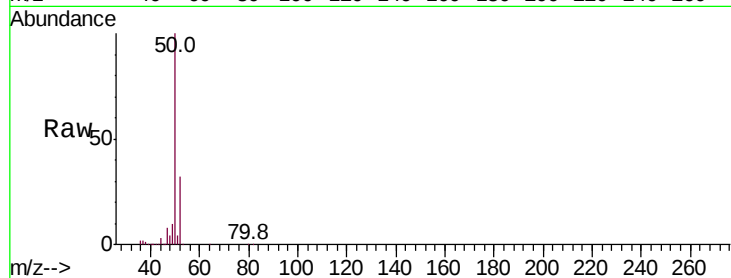
VSTDCCC050EC

Tot Ion: 50 Resp: 140584

Ion Ratio Lower Upper

50 100

52 32.2 26.1 39.1



#4

Vinyl Chloride

Concen: 47.803 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX007778.D

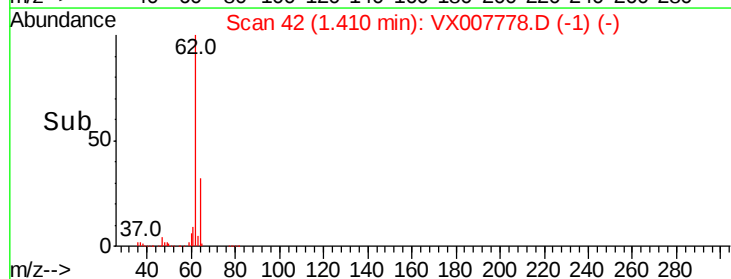
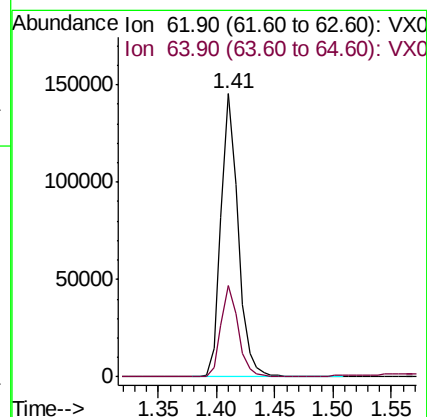
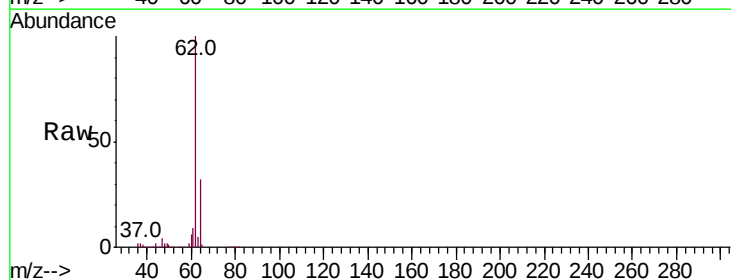
Acq: 28 Feb 2019 20:25

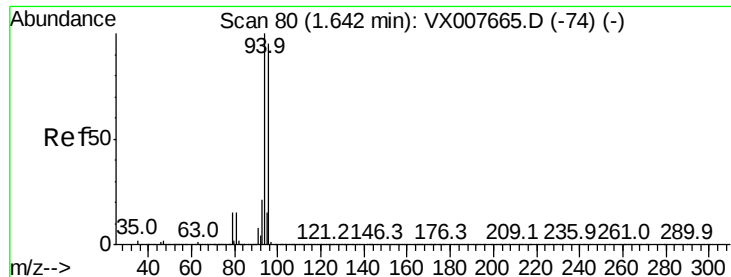
Tgt Ion: 62 Resp: 146705

Ion Ratio Lower Upper

62 100

64 32.2 25.4 38.0





#5

Bromomethane

Concen: 42.852 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX007778.D

Acq: 28 Feb 2019 20:25

Instrument :

MSVOA_X

ClientSampleId :

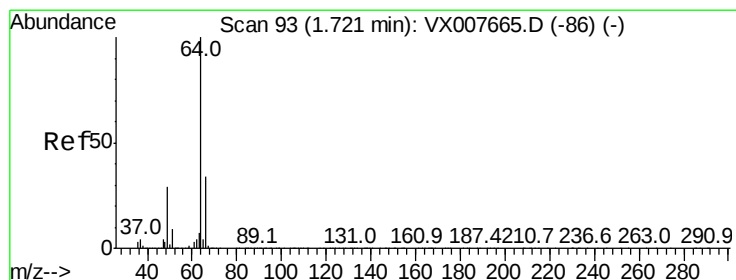
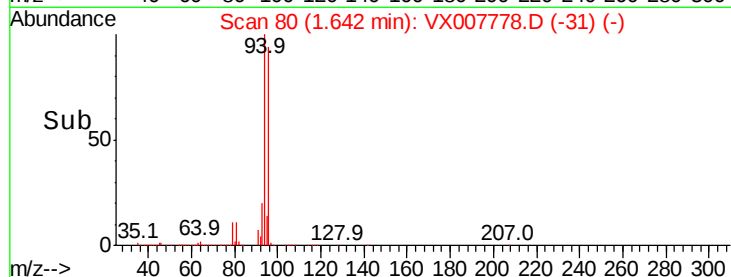
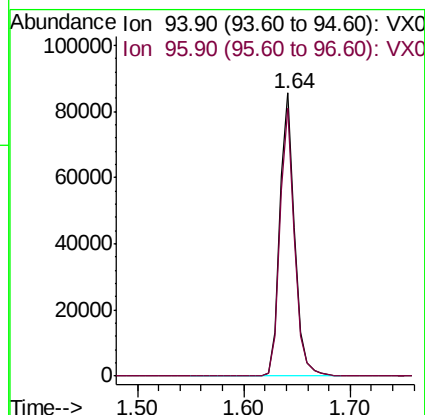
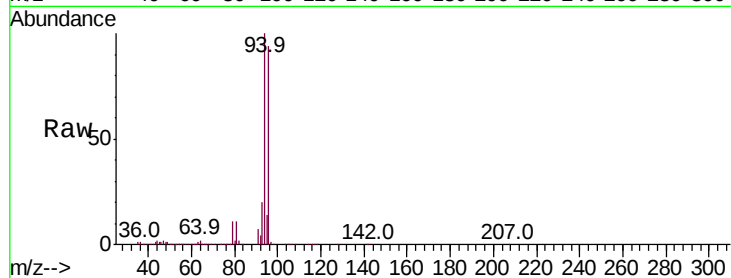
VSTDCCC050EC

Tot Ion: 94 Resp: 83264

Ion Ratio Lower Upper

94 100

96 94.5 73.9 110.9



#6

Chloroethane

Concen: 48.255 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.00 min

Lab File: VX007778.D

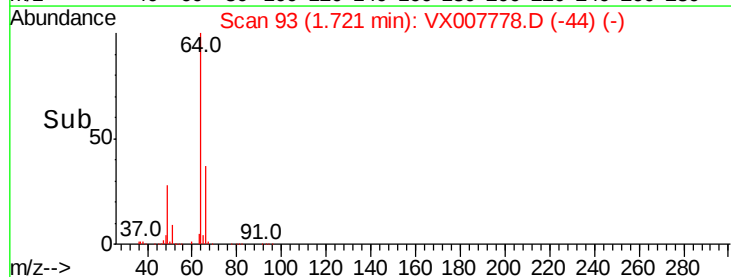
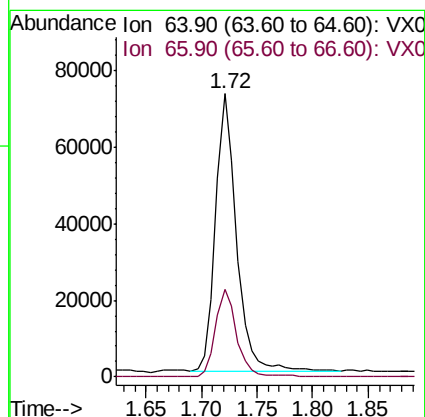
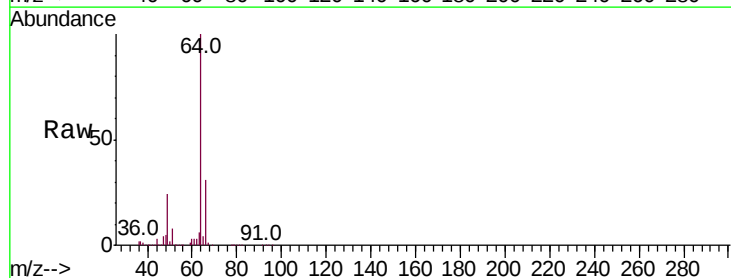
Acq: 28 Feb 2019 20:25

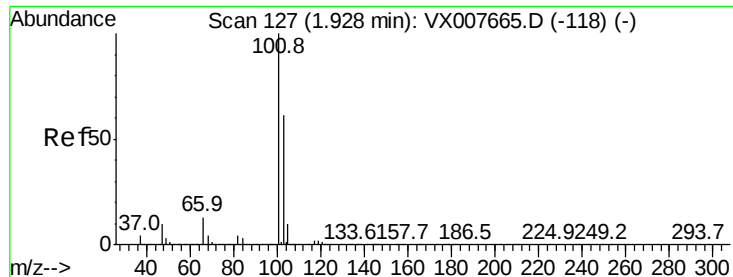
Tgt Ion: 64 Resp: 94614

Ion Ratio Lower Upper

64 100

66 31.4 25.5 38.3



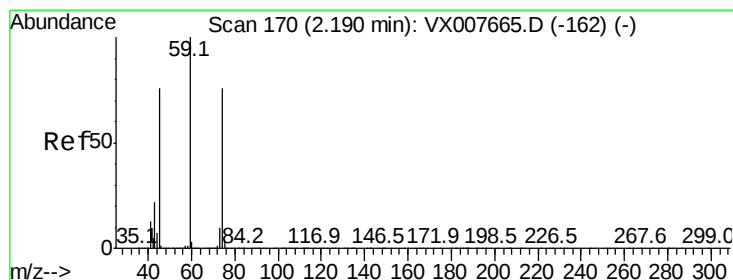
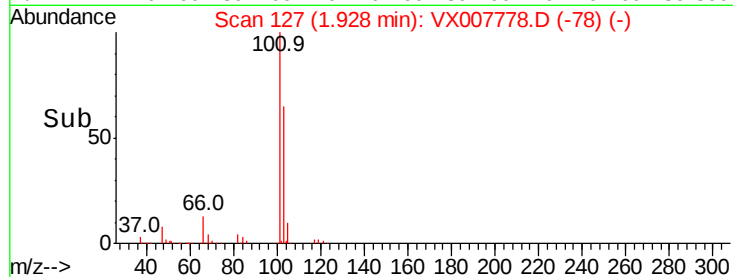
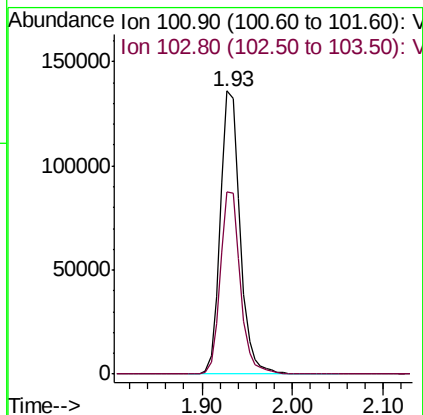
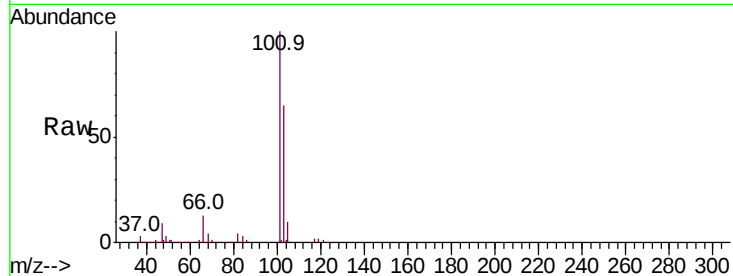


#7

Trichlorofluoromethane
Concen: 43.971 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.00 min
Lab File: VX007778.D
Acq: 28 Feb 2019 20:25

Instrument :
MSVOA_X
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VSTDCCC050EC

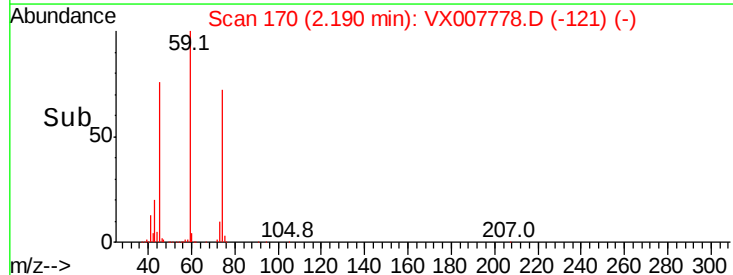
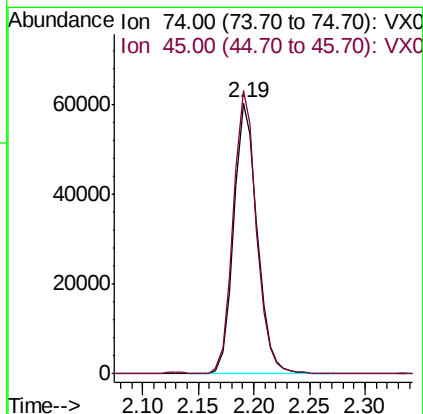
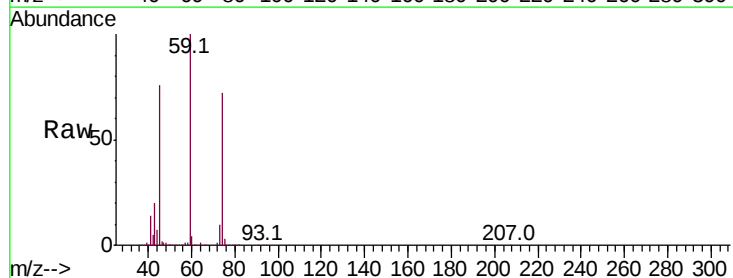
Tot Ion:101 Resp: 206872
Ion Ratio Lower Upper
101 100
103 64.5 52.6 79.0

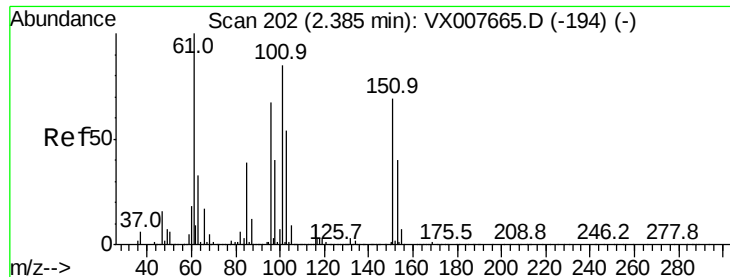


#8

Diethyl Ether
Concen: 45.573 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX007778.D
Acq: 28 Feb 2019 20:25

Tgt Ion: 74 Resp: 87994
Ion Ratio Lower Upper
74 100
45 103.3 45.7 137.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 42.734 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX007778.D

Acq: 28 Feb 2019 20:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

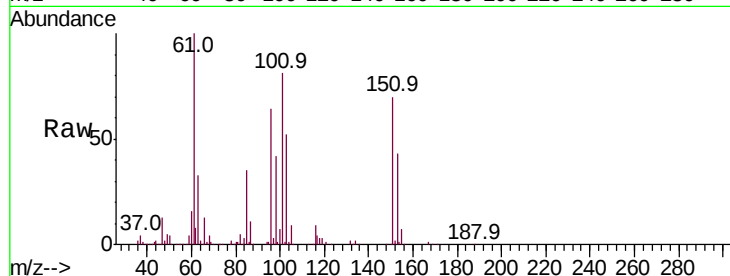
Tot Ion:101 Resp: 121517

Ion Ratio Lower Upper

101 100

85 43.4 34.1 51.1

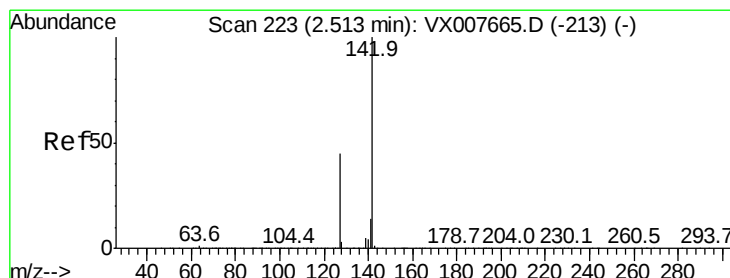
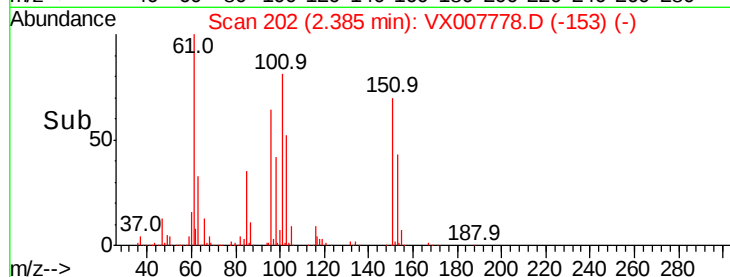
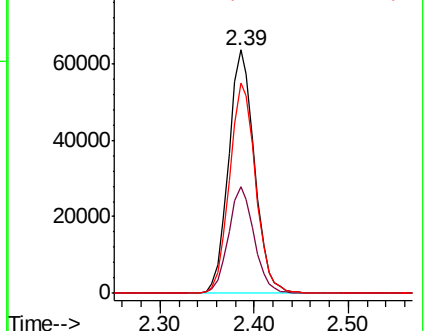
151 86.9 69.9 104.9



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: 51.217 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.00 min

Lab File: VX007778.D

Acq: 28 Feb 2019 20:25

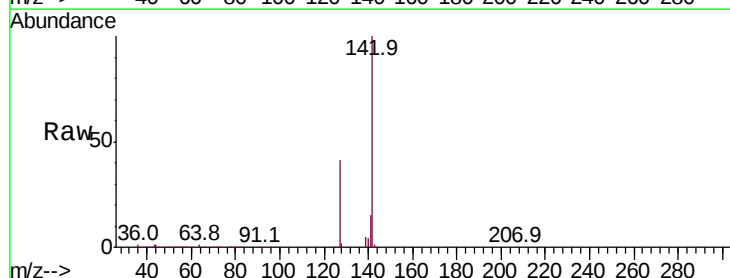
Tgt Ion:142 Resp: 181348

Ion Ratio Lower Upper

142 100

127 41.8 33.7 50.5

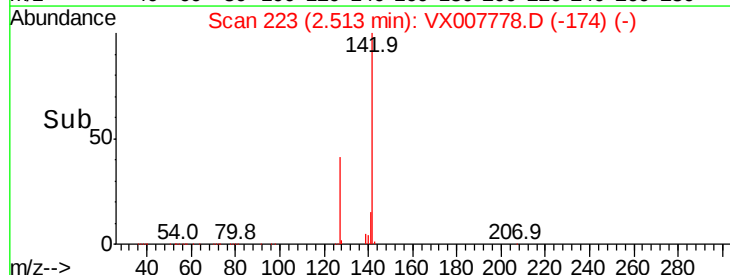
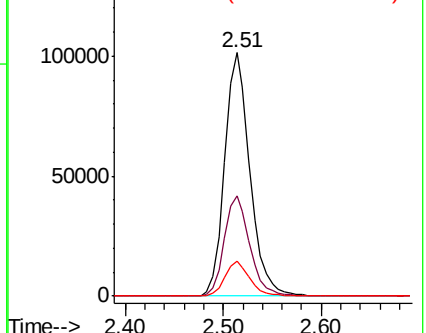
141 14.2 11.3 16.9

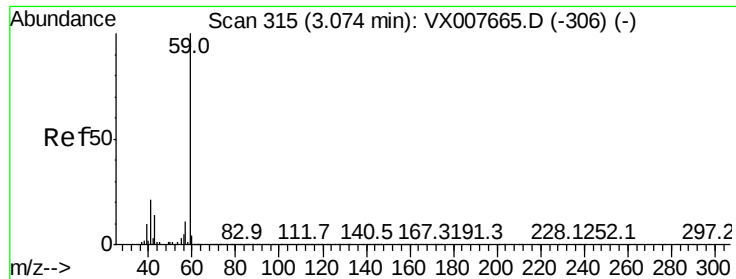


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

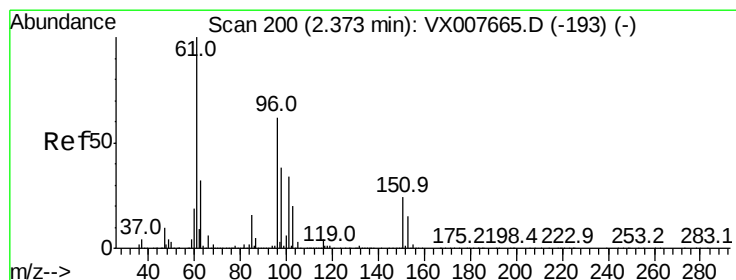
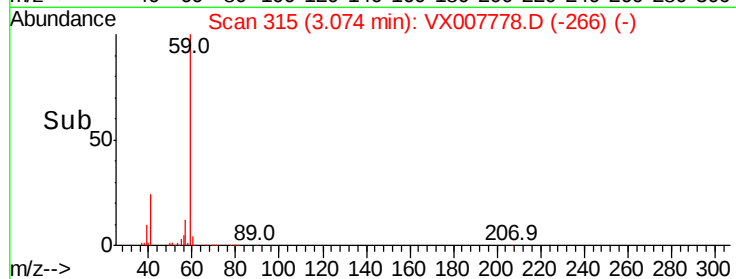
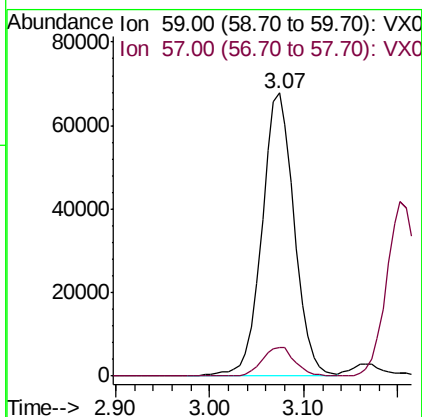
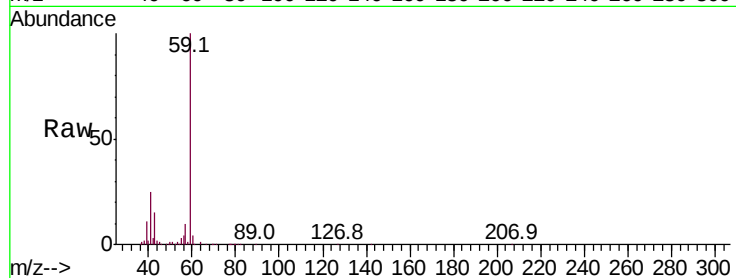




#11
Tert butyl alcohol
Concen: 236.543 ug/l
RT: 3.07 min Scan# 315
Delta R.T. 0.00 min
Lab File: VX007778.D
Acq: 28 Feb 2019 20:25

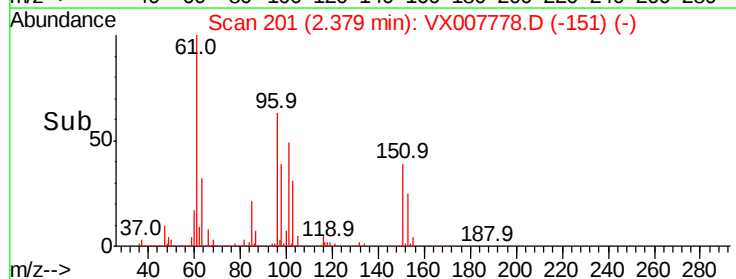
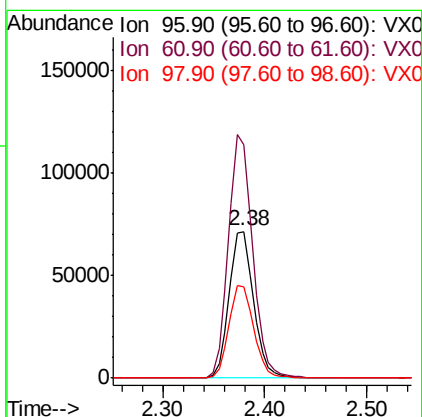
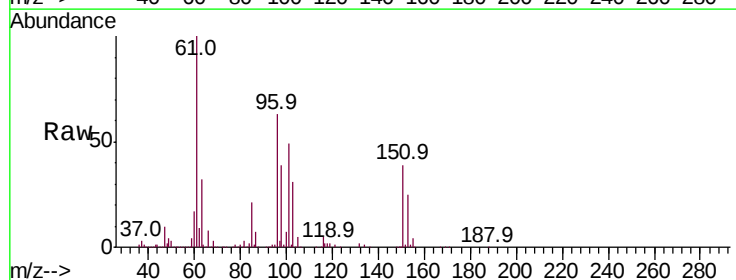
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

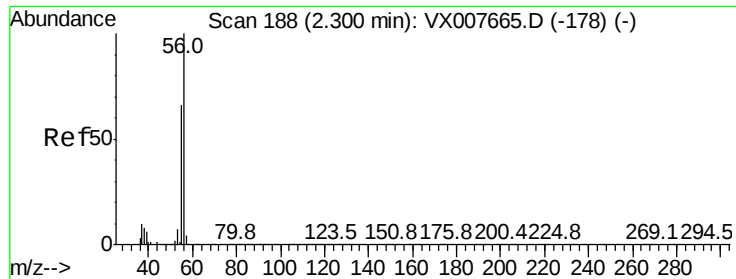
Tot Ion: 59 Resp: 162903
Ion Ratio Lower Upper
59 100
57 10.5 8.1 12.1



#12
1,1-Dichloroethene
Concen: 46.195 ug/l
RT: 2.38 min Scan# 201
Delta R.T. 0.01 min
Lab File: VX007778.D
Acq: 28 Feb 2019 20:25

Tgt Ion: 96 Resp: 118407
Ion Ratio Lower Upper
96 100
61 158.8 123.0 184.4
98 62.3 50.9 76.3

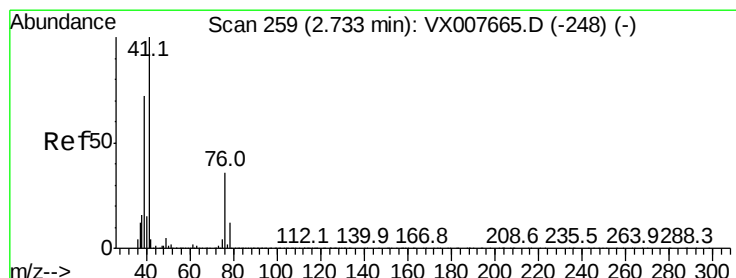
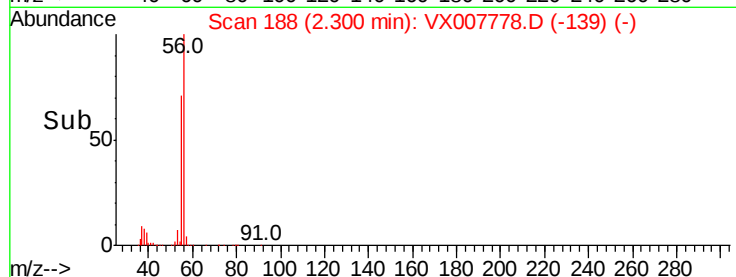
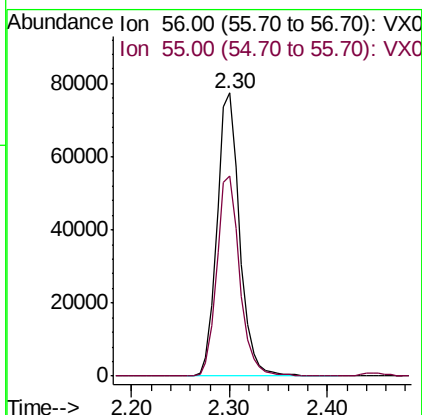
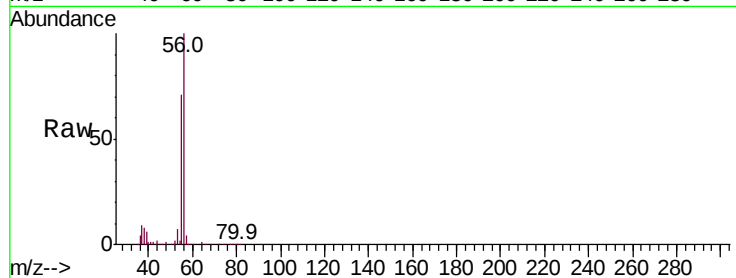




#13
 Acrolein
 Concen: 203.078 ug/l
 RT: 2.30 min Scan# 188
 Delta R.T. 0.00 min
 Lab File: VX007778.D
 Acq: 28 Feb 2019 20:25

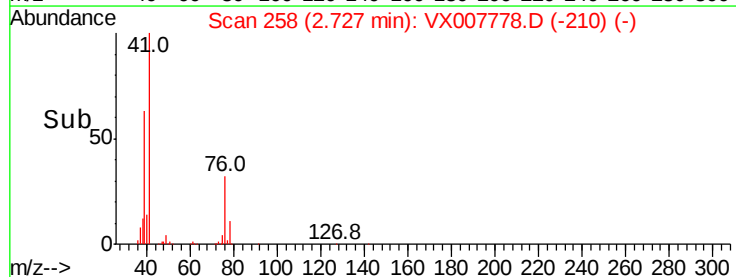
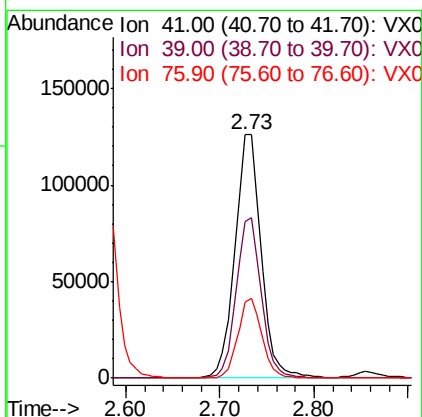
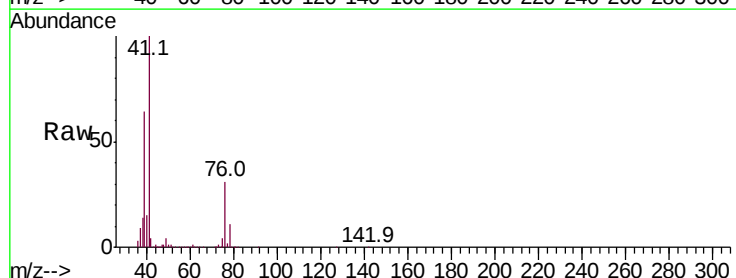
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

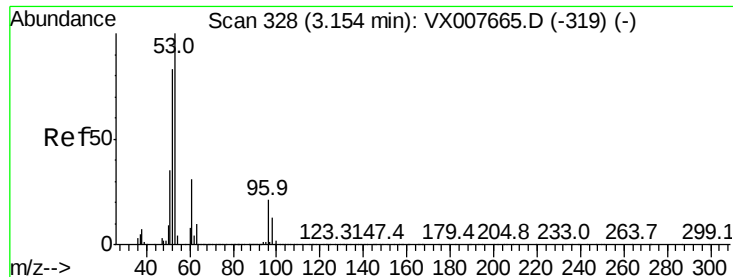
Tot Ion: 56 Resp: 124278
 Ion Ratio Lower Upper
 56 100
 55 71.5 56.9 85.3



#14
 Allyl chloride
 Concen: 51.628 ug/l
 RT: 2.73 min Scan# 258
 Delta R.T. -0.01 min
 Lab File: VX007778.D
 Acq: 28 Feb 2019 20:25

Tgt Ion: 41 Resp: 244686
 Ion Ratio Lower Upper
 41 100
 39 62.7 54.1 81.1
 76 30.4 27.8 41.8





#15

Acrylonitrile

Concen: 251.387 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VX007778.D

Acq: 28 Feb 2019 20:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

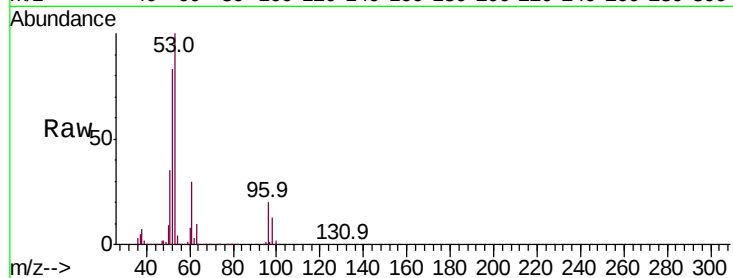
Tot Ion: 53 Resp: 407417

Ion Ratio Lower Upper

53 100

52 82.7 66.4 99.6

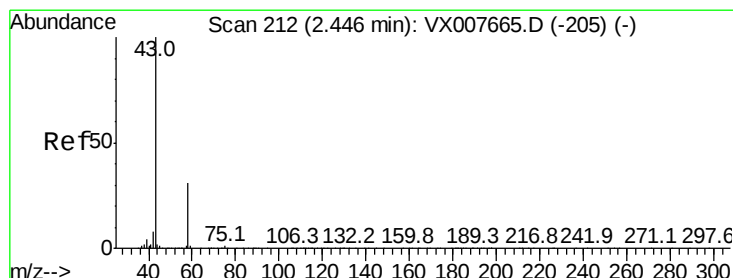
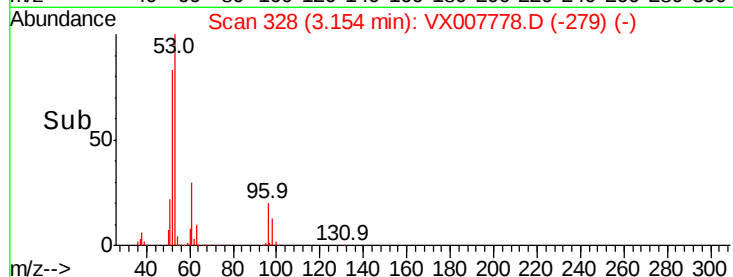
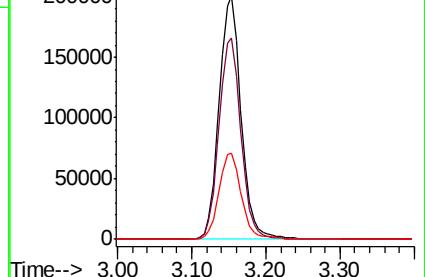
51 35.9 28.4 42.6



Abundance Ion 53.00 (52.70 to 53.70): VX007778.D (-319) (-)

Ion 52.00 (51.70 to 52.70): VX007778.D (-319) (-)

Ion 51.00 (50.70 to 51.70): VX007778.D (-319) (-)



#16

Acetone

Concen: 219.557 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX007778.D

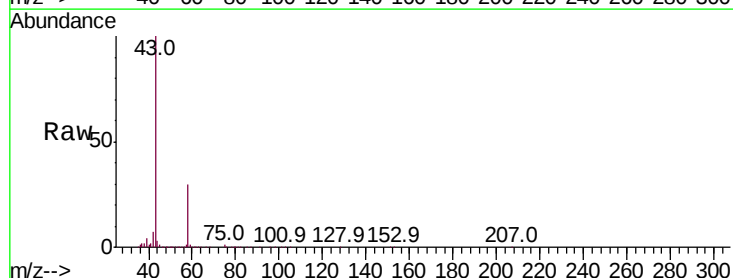
Acq: 28 Feb 2019 20:25

Tgt Ion: 43 Resp: 354393

Ion Ratio Lower Upper

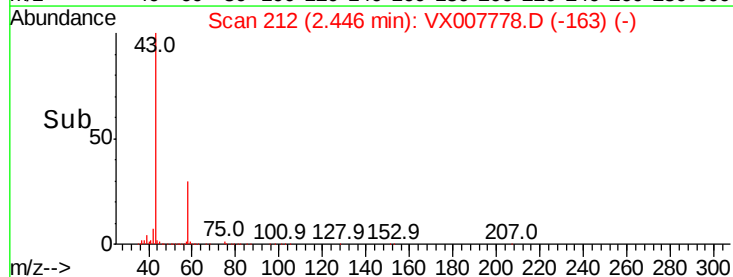
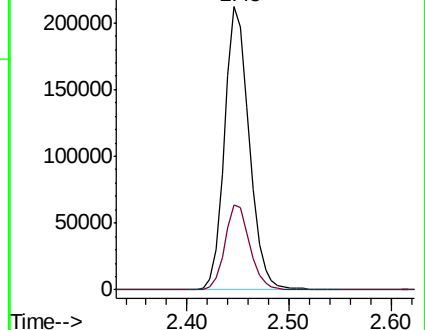
43 100

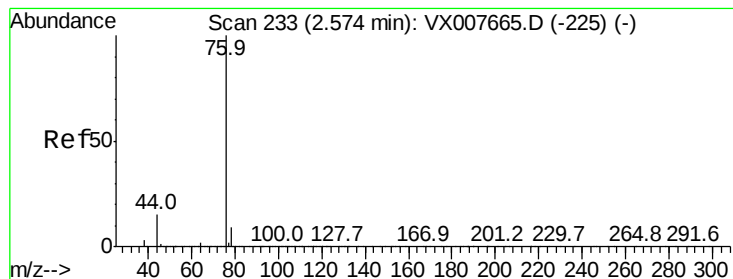
58 30.1 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX007778.D (-163) (-)

Ion 58.00 (57.70 to 58.70): VX007778.D (-163) (-)





#17

Carbon Disulfide

Concen: 45.673 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.00 min

Lab File: VX007778.D

Acq: 28 Feb 2019 20:25

Instrument :

MSVOA_X

ClientSampleId :

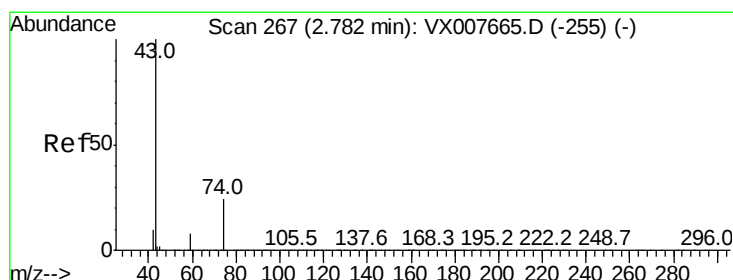
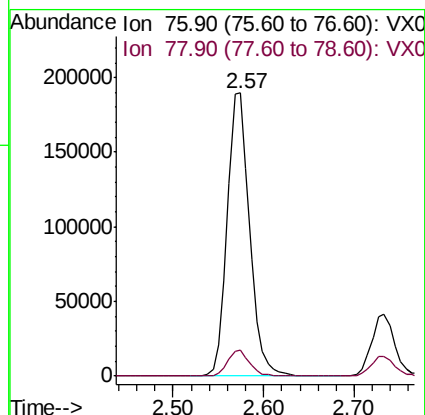
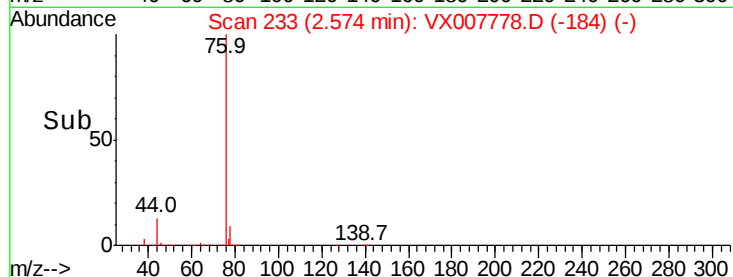
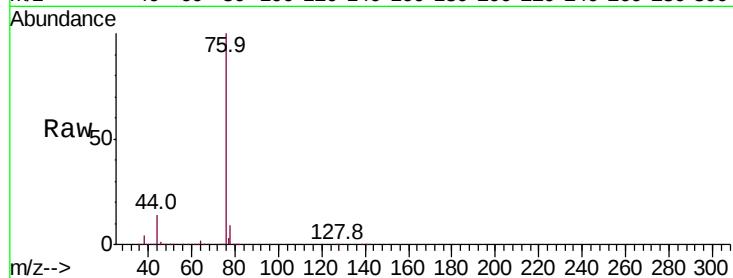
VSTDCCC050EC

Tot Ion: 76 Resp: 325691

Ion Ratio Lower Upper

76 100

78 9.3 7.1 10.7



#18

Methyl Acetate

Concen: 54.360 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.00 min

Lab File: VX007778.D

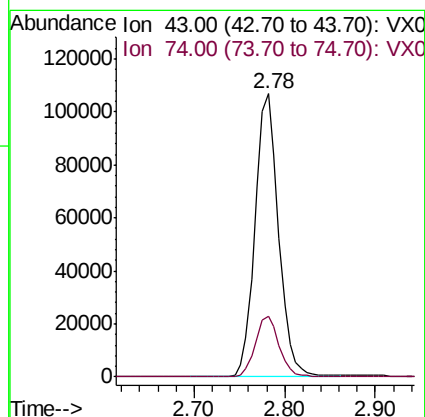
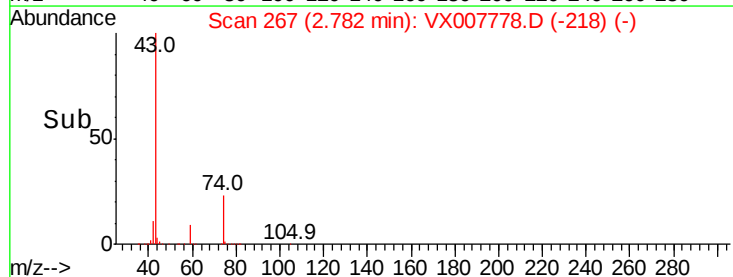
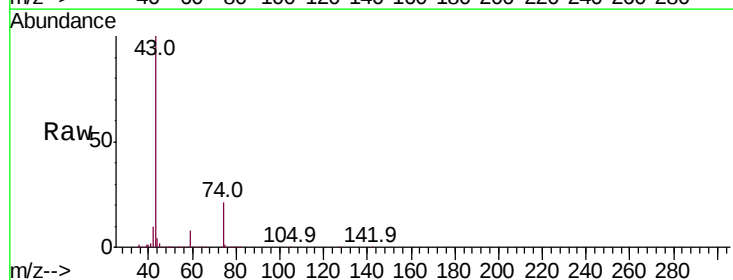
Acq: 28 Feb 2019 20:25

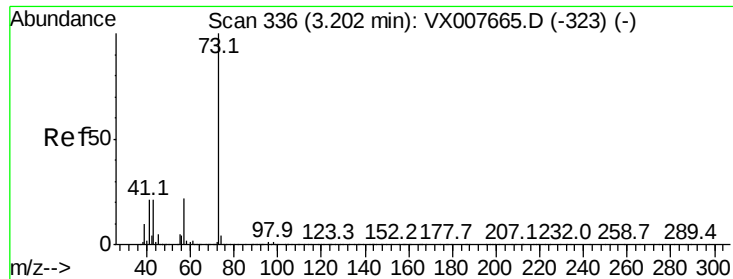
Tgt Ion: 43 Resp: 191467

Ion Ratio Lower Upper

43 100

74 22.1 19.4 29.2



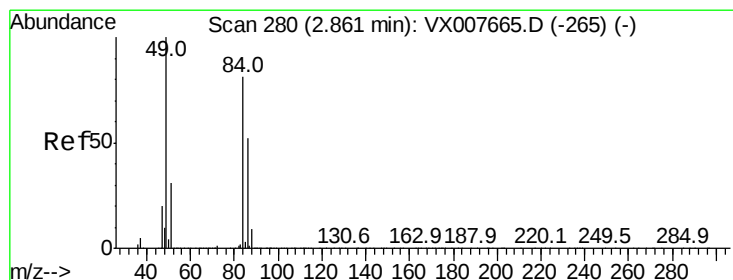
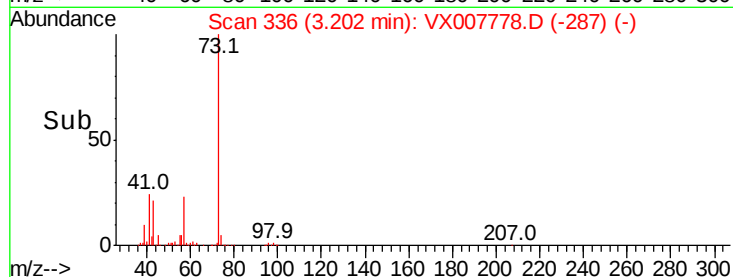
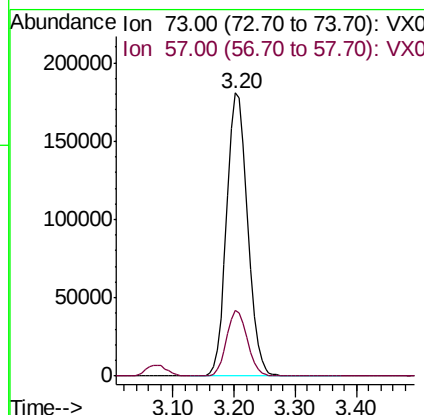
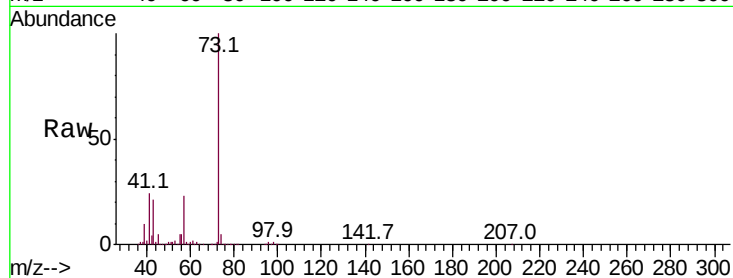


#19

Methyl tert-butyl Ether
 Concen: 47.971 ug/l
 RT: 3.20 min Scan# 336
 Delta R.T. 0.00 min
 Lab File: VX007778.D
 Acq: 28 Feb 2019 20:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

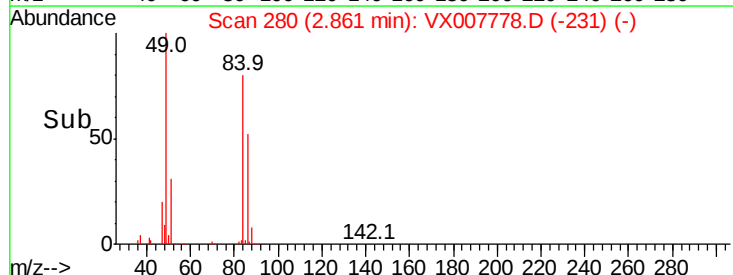
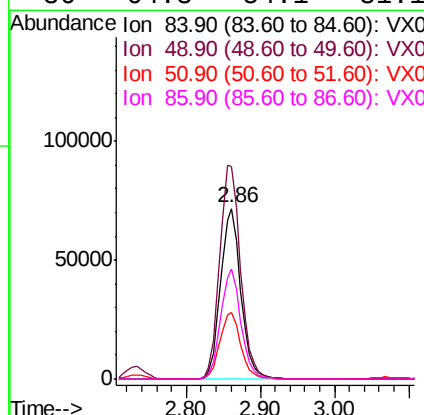
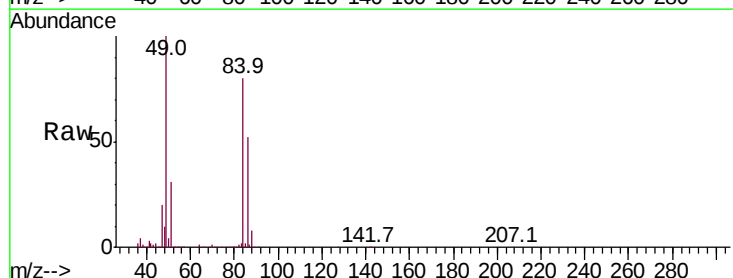
Tot Ion: 73 Resp: 428182
 Ion Ratio Lower Upper
 73 100
 57 23.2 17.8 26.8

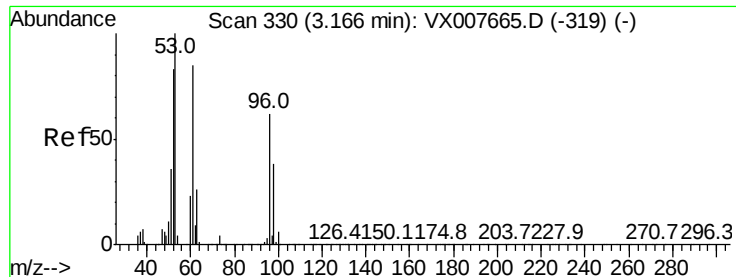


#20

Methylene Chloride
 Concen: 45.209 ug/l
 RT: 2.86 min Scan# 280
 Delta R.T. 0.00 min
 Lab File: VX007778.D
 Acq: 28 Feb 2019 20:25

Tgt Ion: 84 Resp: 134745
 Ion Ratio Lower Upper
 84 100
 49 124.7 94.8 142.2
 51 38.7 29.8 44.8
 86 64.3 54.1 81.1





#21

trans-1,2-Dichloroethene

Concen: 45.385 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX007778.D

Acq: 28 Feb 2019 20:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

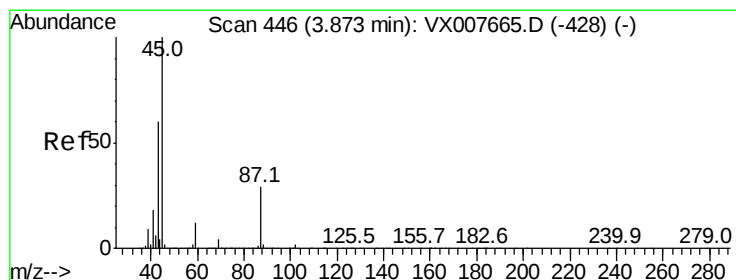
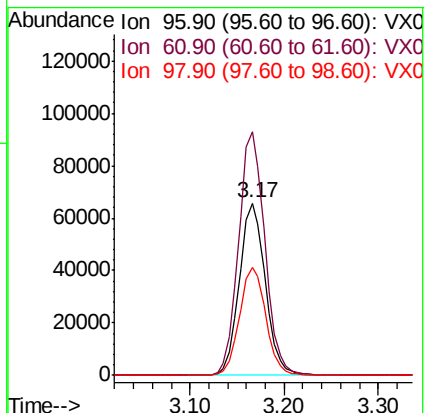
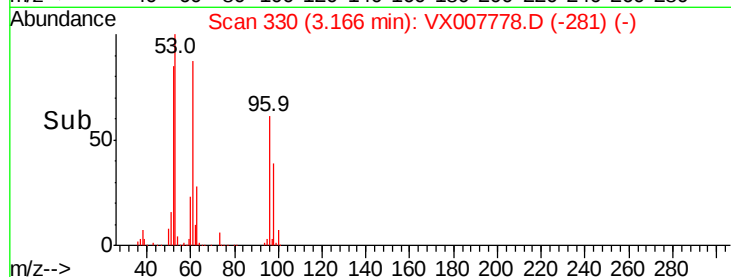
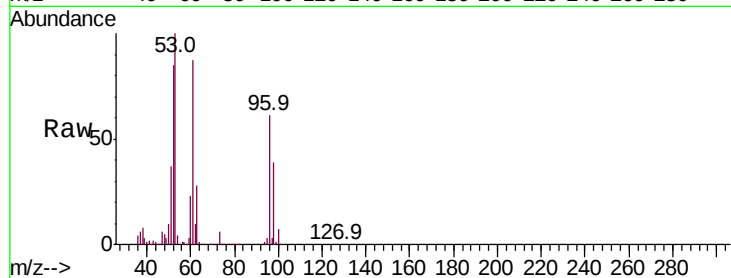
Tot Ion: 96 Resp: 126467

Ion Ratio Lower Upper

96 100

61 141.5 104.6 156.8

98 62.9 51.0 76.4



#22

Diisopropyl ether

Concen: 50.916 ug/l

RT: 3.87 min Scan# 446

Delta R.T. 0.00 min

Lab File: VX007778.D

Acq: 28 Feb 2019 20:25

Tgt Ion: 45 Resp: 502341

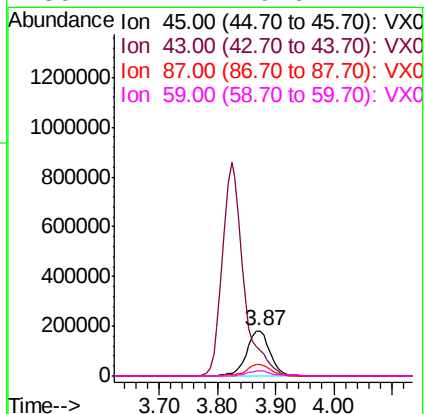
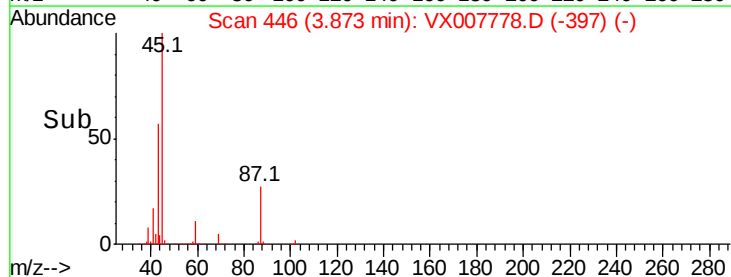
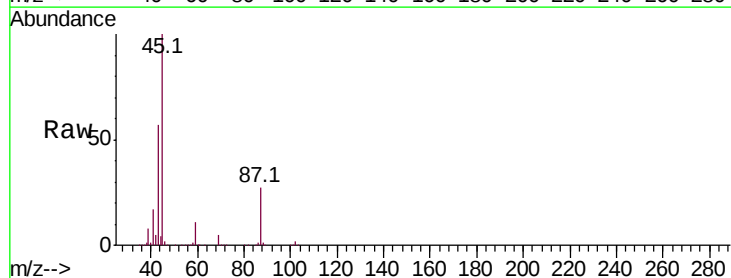
Ion Ratio Lower Upper

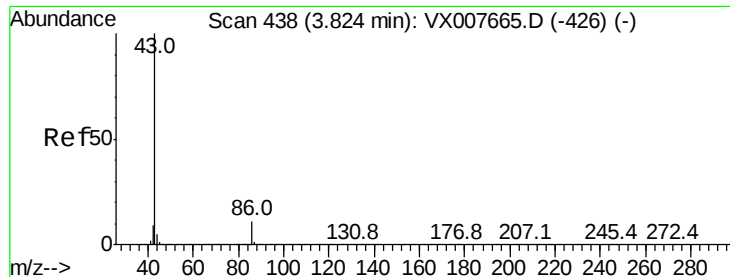
45 100

43 56.8 48.9 73.3

87 26.9 23.9 35.9

59 11.2 9.6 14.4





#23

Vinyl Acetate

Concen: 251.035 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX007778.D

Acq: 28 Feb 2019 20:25

Instrument :

MSVOA_X

ClientSampleId :

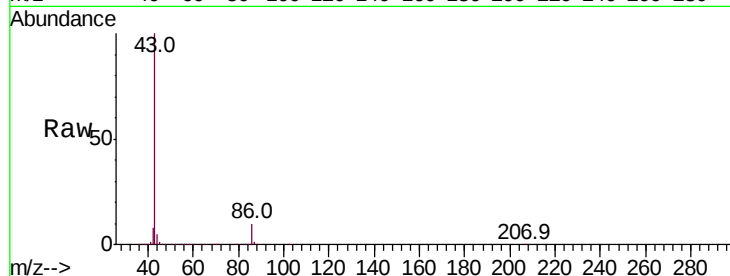
VSTDCCC050EC

Tot Ion: 43 Resp: 2172965

Ion Ratio Lower Upper

43 100

86 9.7 8.7 13.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.82

800000

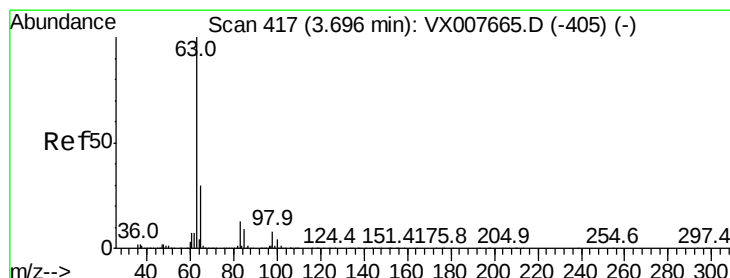
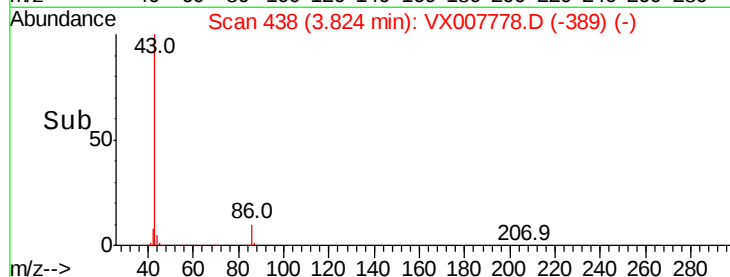
600000

400000

200000

0

Time--> 3.60 3.80 4.00



#24

1,1-Dichloroethane

Concen: 48.627 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX007778.D

Acq: 28 Feb 2019 20:25

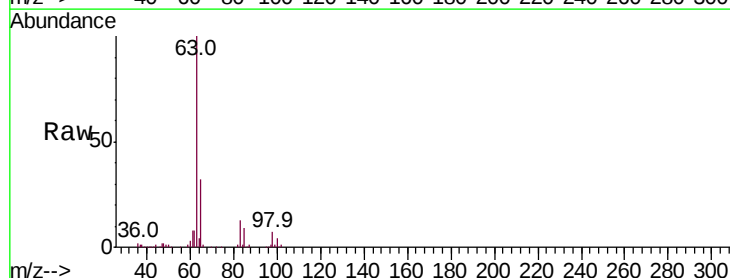
Tgt Ion: 63 Resp: 260739

Ion Ratio Lower Upper

63 100

98 6.5 3.6 10.8

100 4.2 2.5 7.4



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

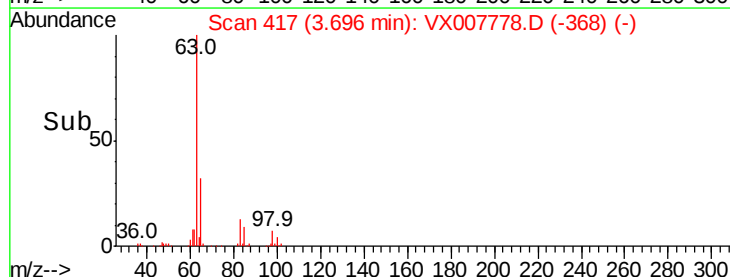
150000

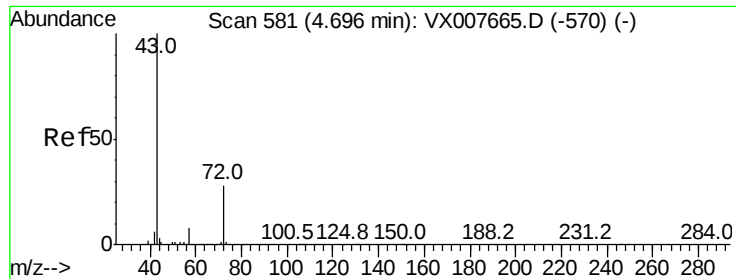
100000

50000

0

Time--> 3.60 3.70 3.80





#25

2-Butanone

Concen: 248.167 ug/l

RT: 4.70 min Scan# 581

Delta R.T. 0.00 min

Lab File: VX007778.D

Acq: 28 Feb 2019 20:25

Instrument :

MSVOA_X

ClientSampleId :

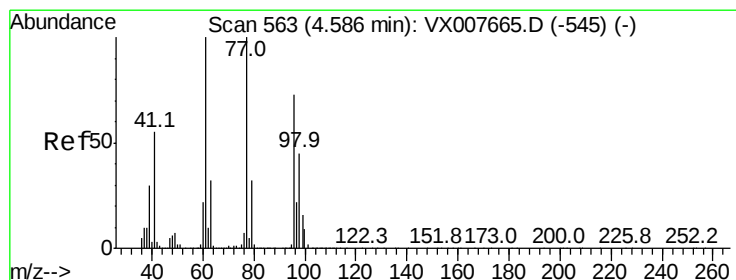
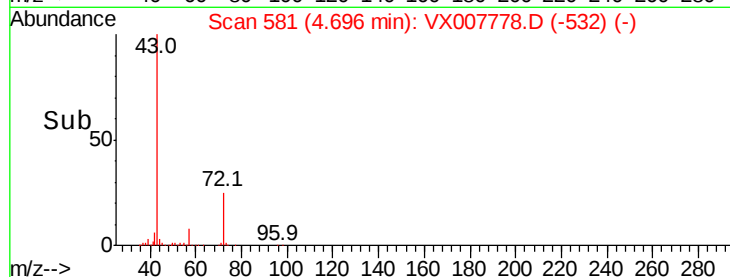
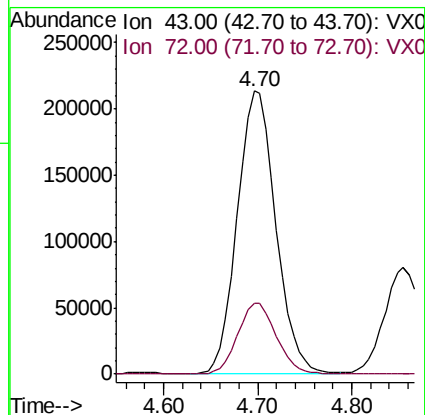
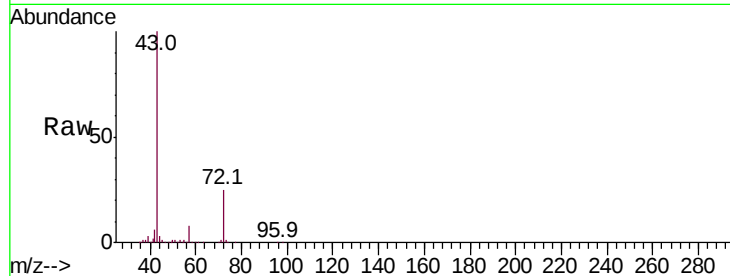
VSTDCCC050EC

Tot Ion: 43 Resp: 610177

Ion Ratio Lower Upper

43 100

72 25.0 22.2 33.2



#26

2,2-Dichloropropane

Concen: 41.007 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.00 min

Lab File: VX007778.D

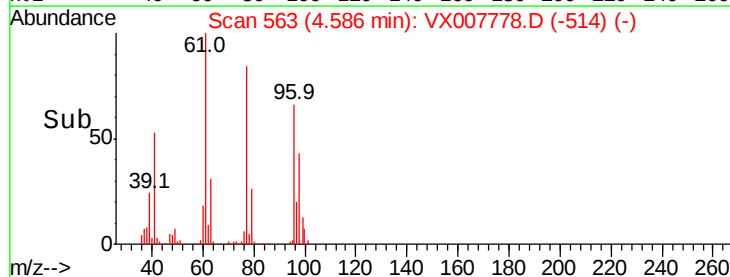
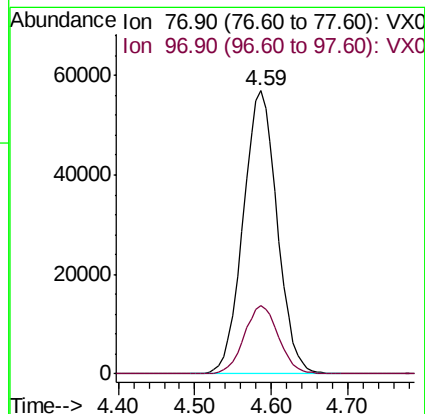
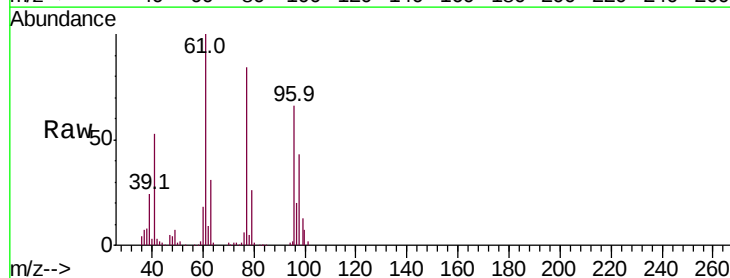
Acq: 28 Feb 2019 20:25

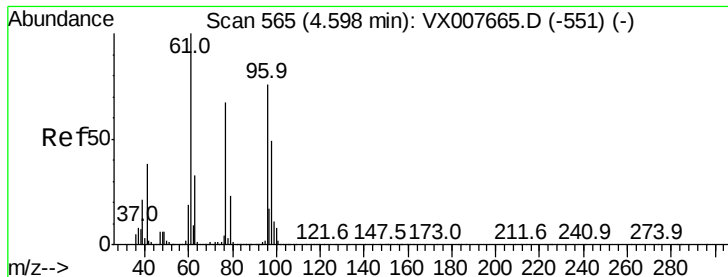
Tgt Ion: 77 Resp: 175514

Ion Ratio Lower Upper

77 100

97 24.4 12.1 36.3



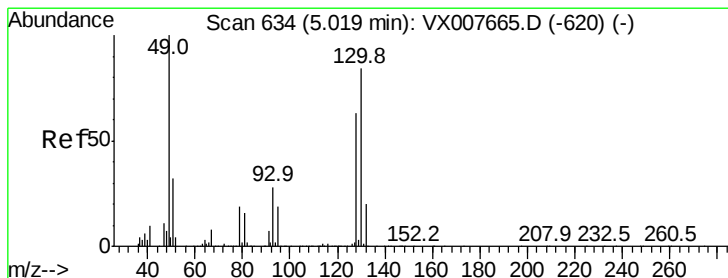
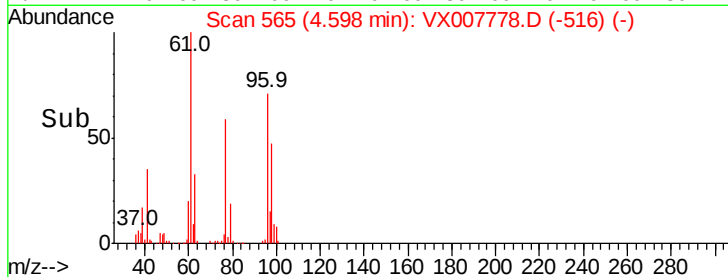
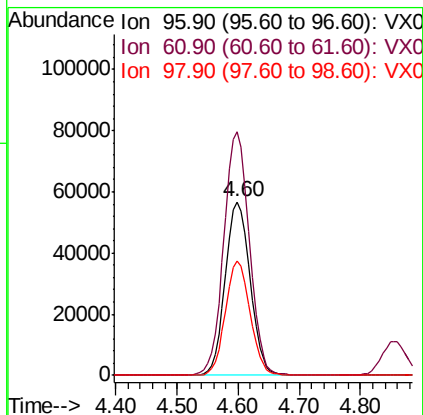
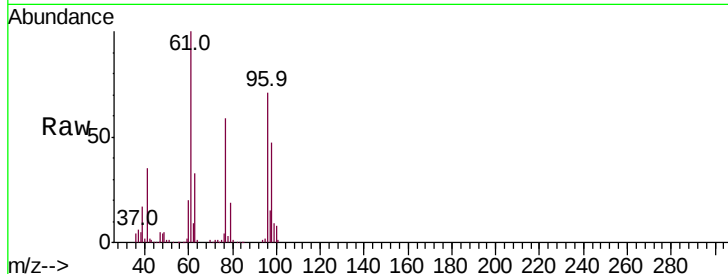


#27

cis-1,2-Dichloroethene
Concen: 44.794 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX007778.D
Acq: 28 Feb 2019 20:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

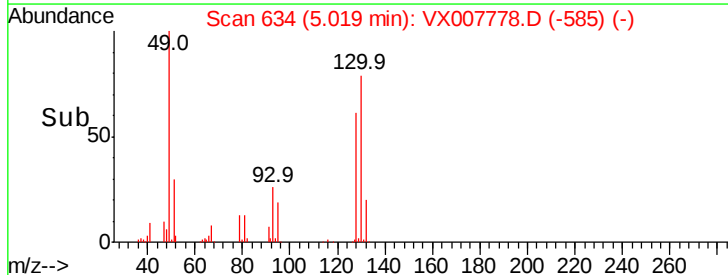
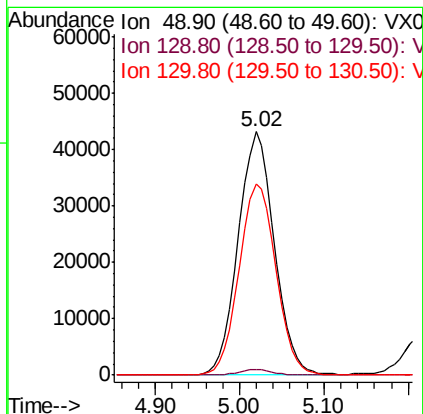
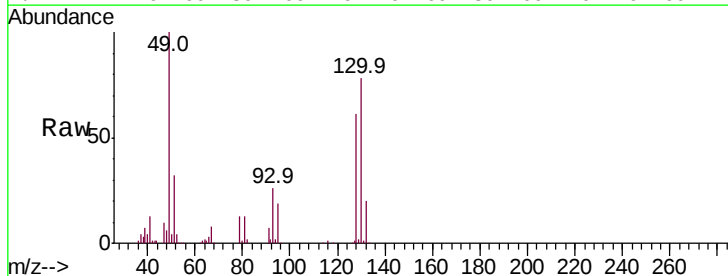
Tot Ion	Ratio	Lower	Upper
96	100		
61	144.5	0.0	265.6
98	65.1	0.0	131.6

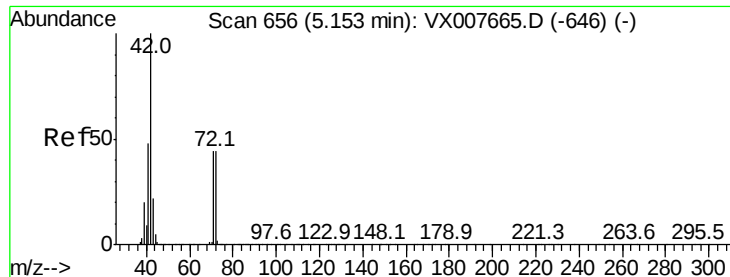


#28

Bromochloromethane
Concen: 48.190 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX007778.D
Acq: 28 Feb 2019 20:25

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	5.6
130	80.1	75.6	113.4





#29

Tetrahydrofuran

Concen: 251.323 ug/l

RT: 5.15 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX007778.D

Acq: 28 Feb 2019 20:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

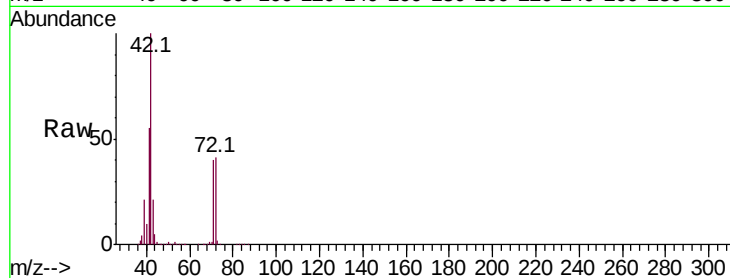
Tot Ion: 42 Resp: 407329

Ion Ratio Lower Upper

42 100

72 41.7 37.6 56.4

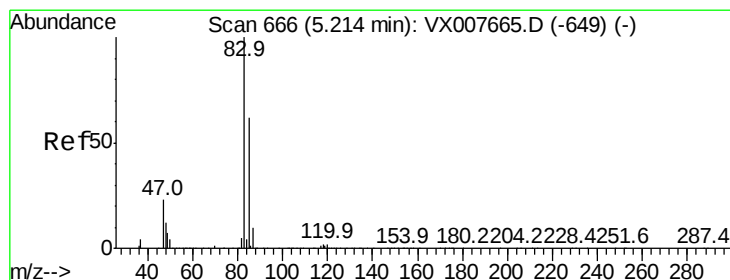
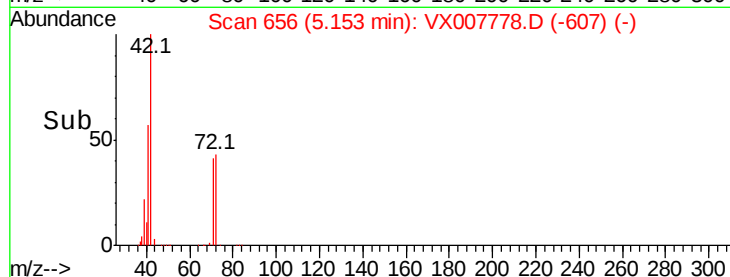
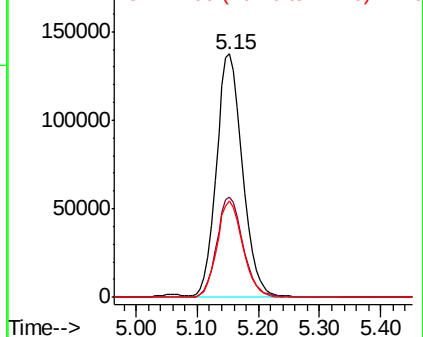
71 39.2 34.6 51.8



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 45.047 ug/l

RT: 5.21 min Scan# 666

Delta R.T. 0.00 min

Lab File: VX007778.D

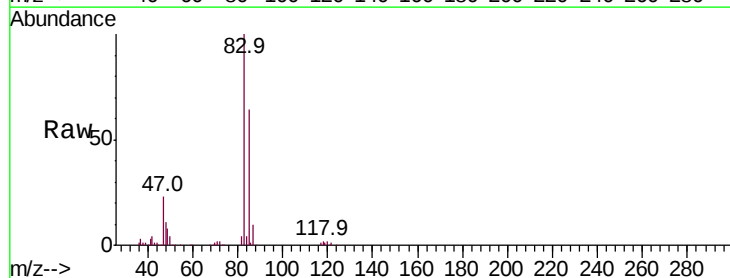
Acq: 28 Feb 2019 20:25

Tgt Ion: 83 Resp: 258733

Ion Ratio Lower Upper

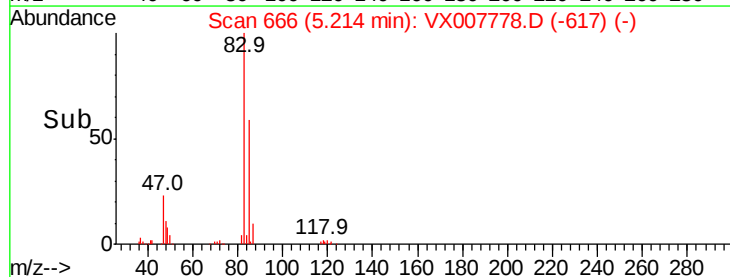
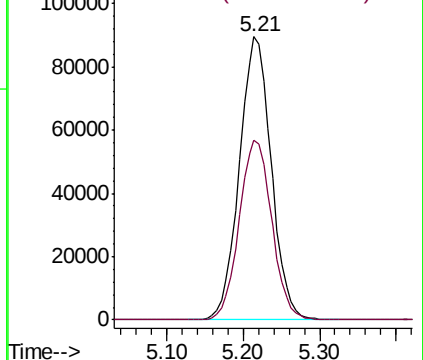
83 100

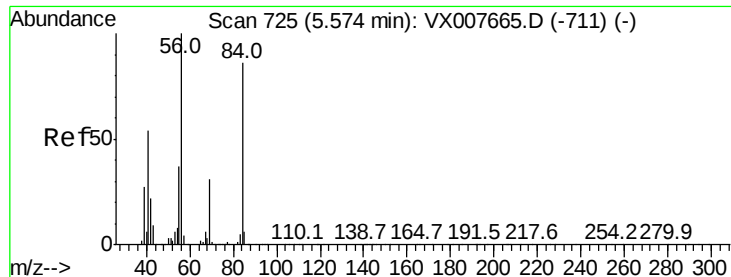
85 63.6 51.6 77.4



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

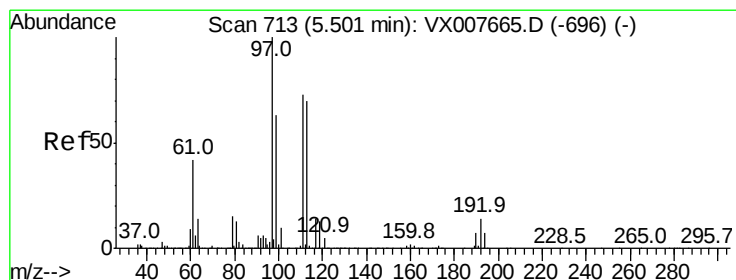
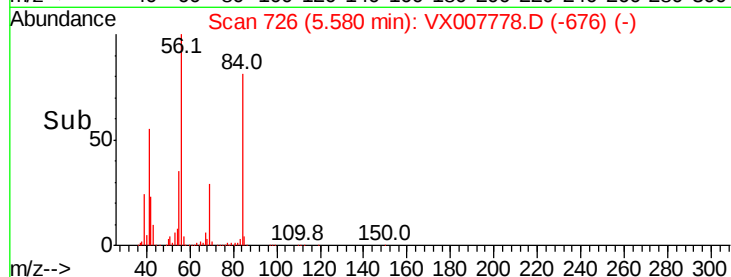
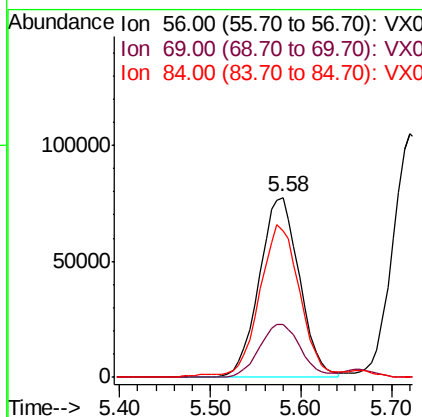
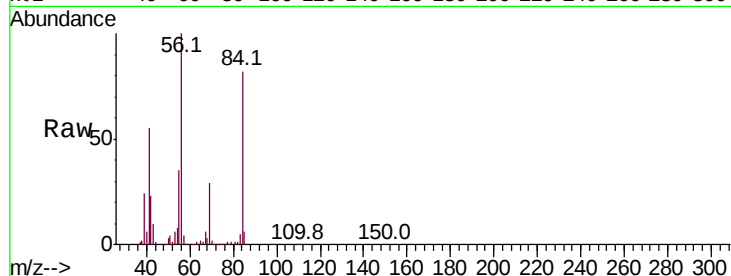




#31
Cvclohexane
Concen: 47.005 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.01 min
Lab File: VX007778.D
Acq: 28 Feb 2019 20:25

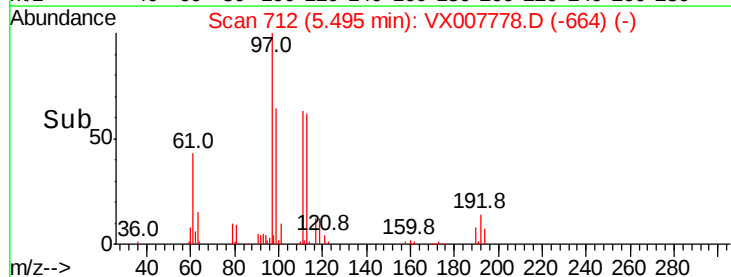
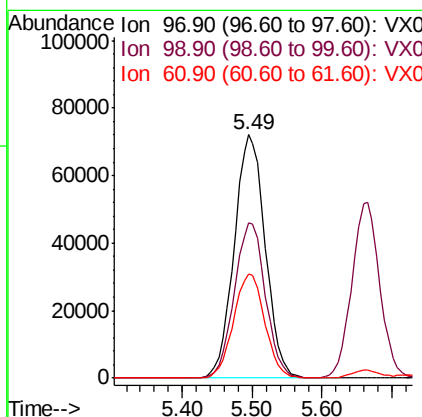
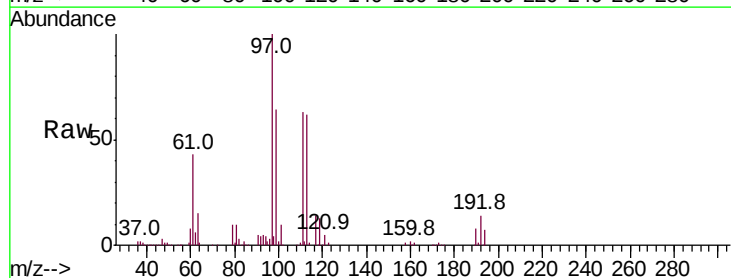
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

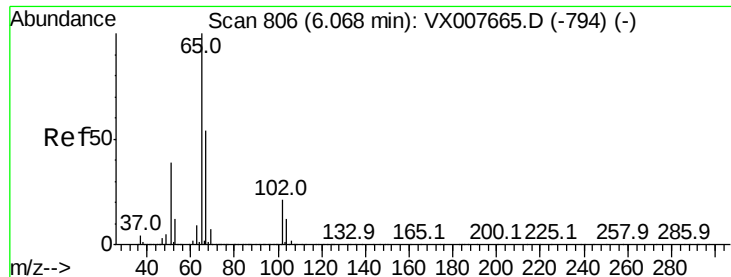
Tot Ion: 56 Resp: 237081
Ion Ratio Lower Upper
56 100
69 29.3 23.0 34.6
84 80.6 69.8 104.6



#32
1,1,1-Trichloroethane
Concen: 46.550 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.01 min
Lab File: VX007778.D
Acq: 28 Feb 2019 20:25

Tgt Ion: 97 Resp: 221117
Ion Ratio Lower Upper
97 100
99 64.1 52.2 78.2
61 43.3 32.7 49.1





#33

1,2-Dichloroethane-d4

Concen: 45.721 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX007778.D

Acq: 28 Feb 2019 20:25

Instrument :

MSVOA_X

ClientSampleId :

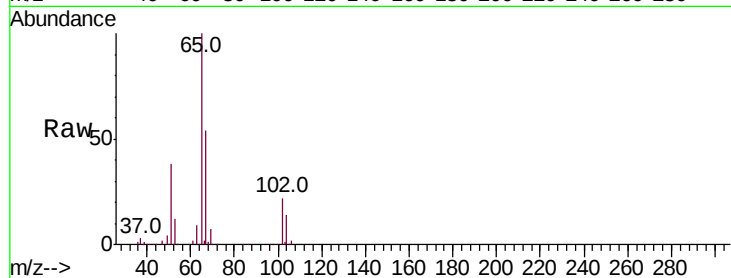
VSTDCCC050EC

Tot Ion: 65 Resp: 165952

Ion Ratio Lower Upper

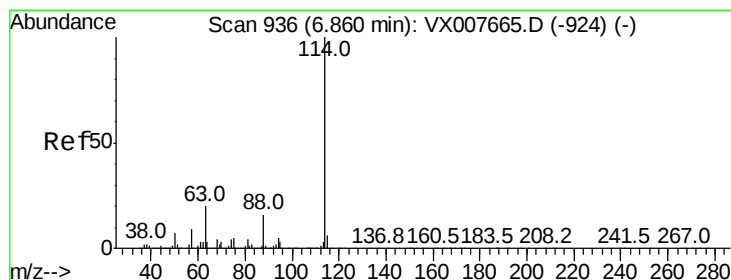
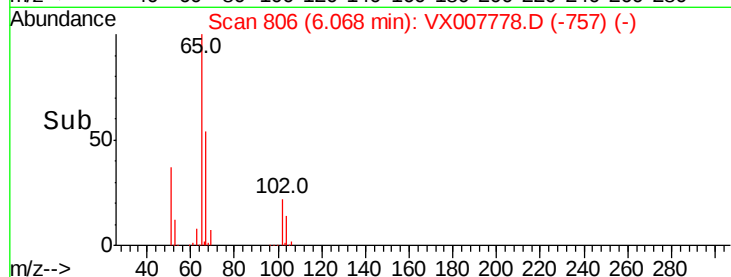
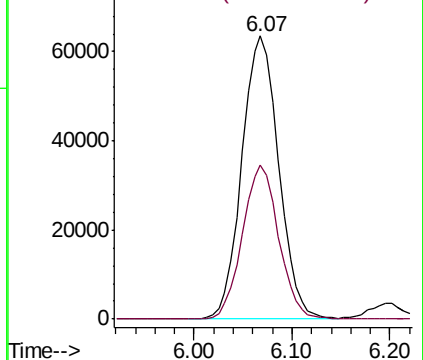
65 100

67 53.6 0.0 108.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX007778.D

Acq: 28 Feb 2019 20:25

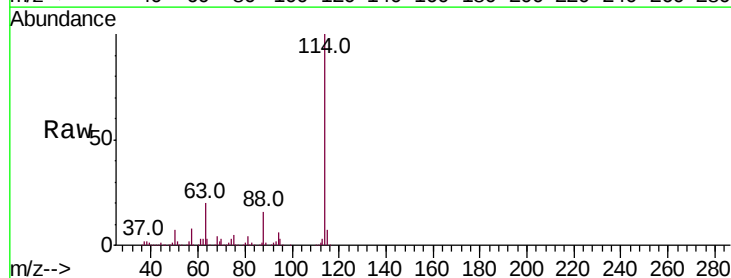
Tgt Ion: 114 Resp: 432356

Ion Ratio Lower Upper

114 100

63 19.7 0.0 35.6

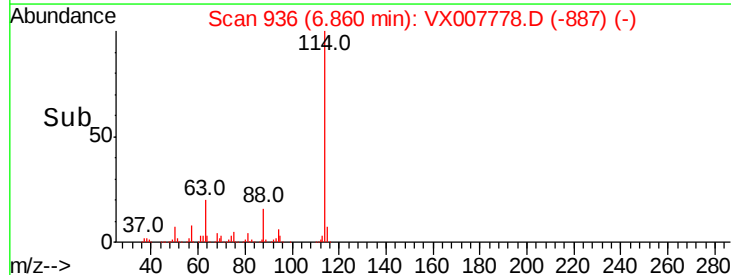
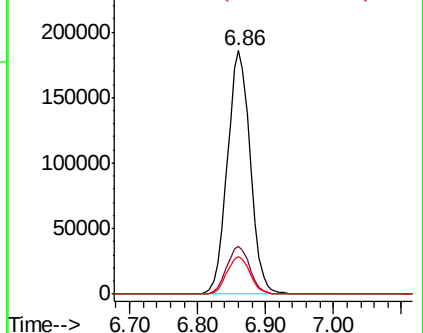
88 15.5 0.0 29.6

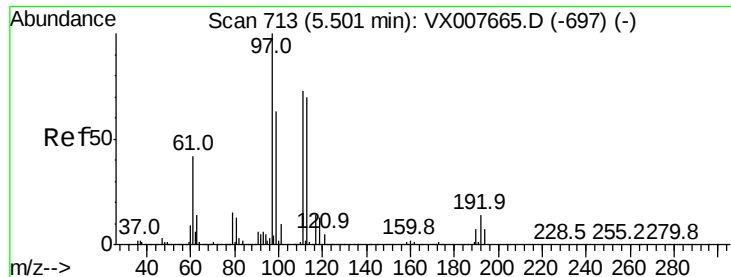


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 48.800 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX007778.D

Acq: 28 Feb 2019 20:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

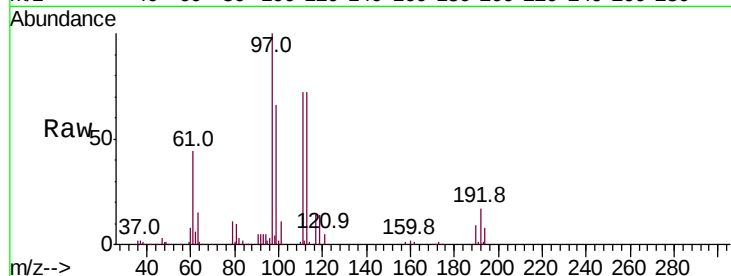
Tot Ion:113 Resp: 141039

Ion Ratio Lower Upper

113 100

111 101.0 81.8 122.8

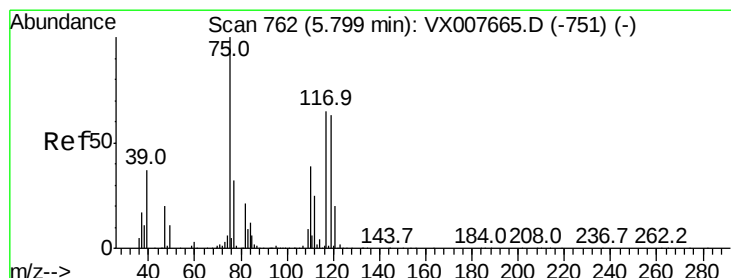
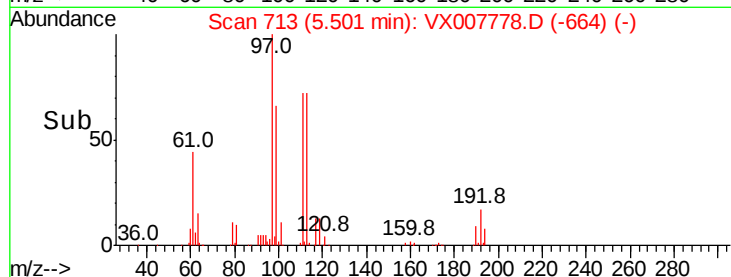
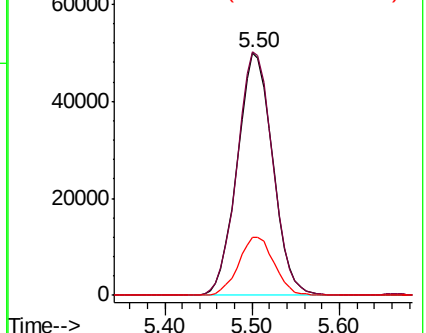
192 24.1 18.5 27.7



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: 50.003 ug/l

RT: 5.80 min Scan# 762

Delta R.T. 0.00 min

Lab File: VX007778.D

Acq: 28 Feb 2019 20:25

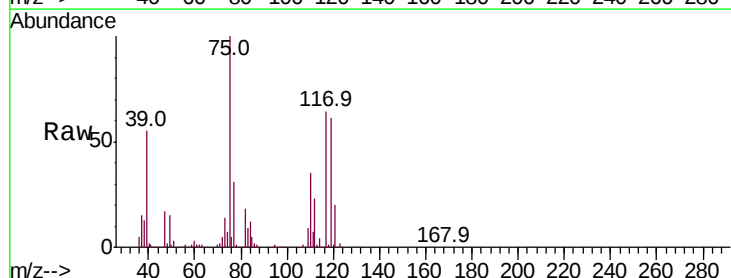
Tgt Ion: 75 Resp: 194365

Ion Ratio Lower Upper

75 100

110 36.6 20.0 59.9

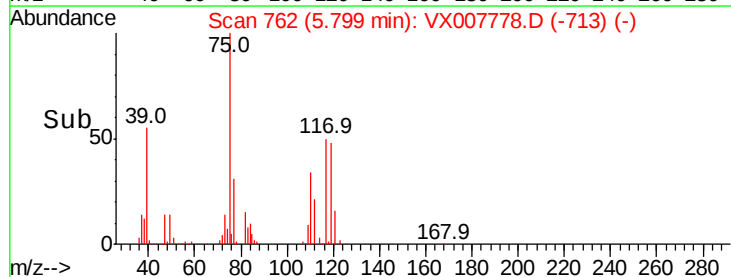
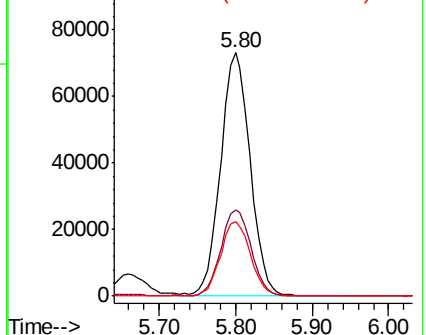
77 30.9 24.7 37.1

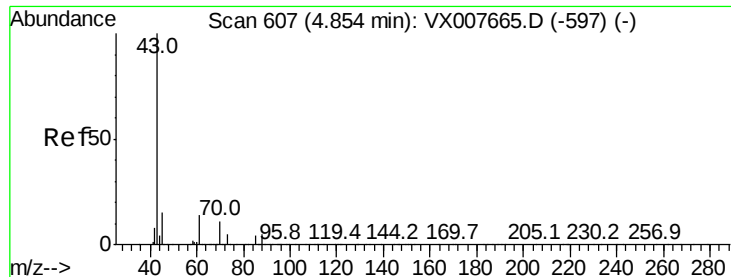


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#37

Ethyl Acetate

Concen: 53.989 ug/l

RT: 4.85 min Scan# 607

Delta R.T. 0.00 min

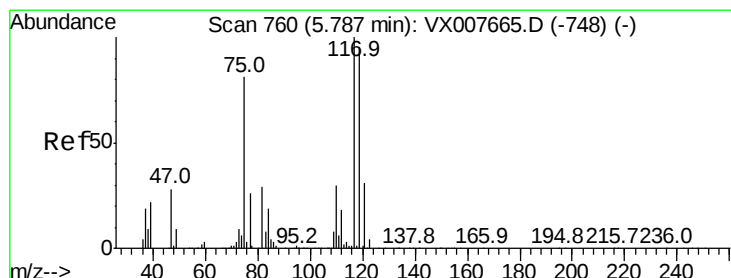
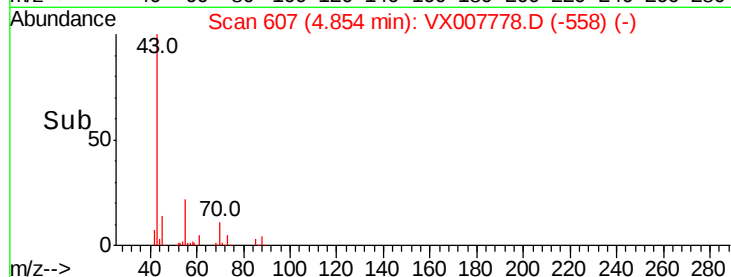
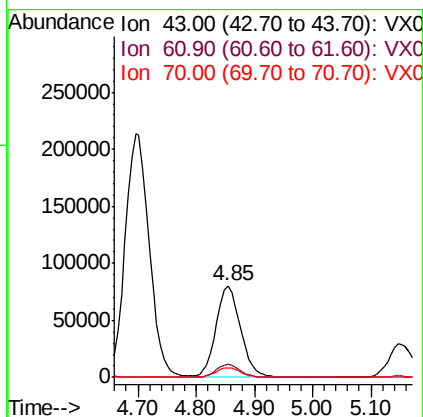
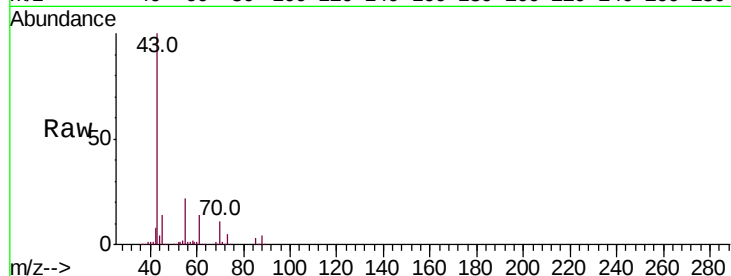
Lab File: VX007778.D

Acq: 28 Feb 2019 20:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 233116

Ion	Ratio	Lower	Upper
43	100		
61	14.1	11.3	16.9
70	10.6	8.6	13.0



#38

Carbon Tetrachloride

Concen: 49.384 ug/l

RT: 5.78 min Scan# 759

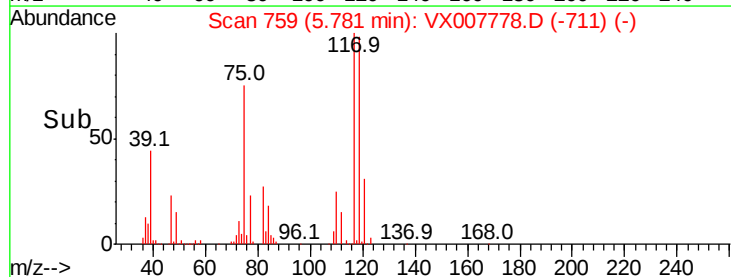
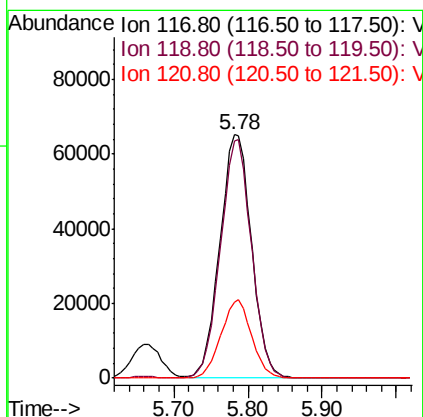
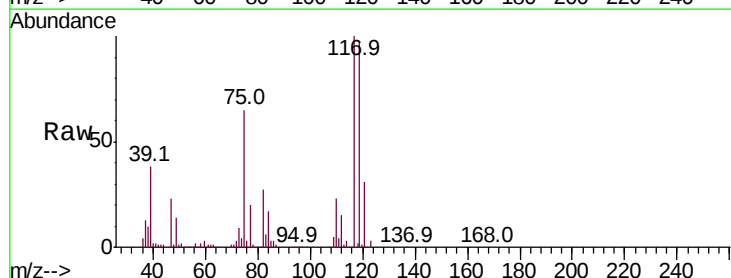
Delta R.T. -0.01 min

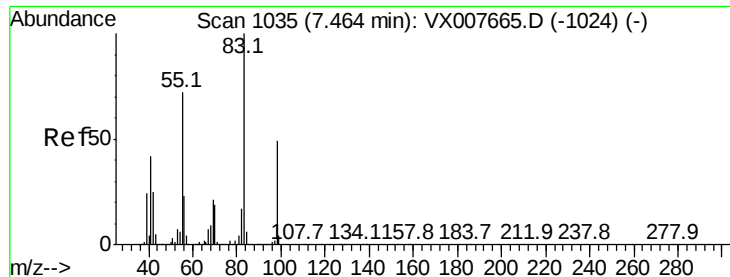
Lab File: VX007778.D

Acq: 28 Feb 2019 20:25

Tgt Ion: 117 Resp: 192825

Ion	Ratio	Lower	Upper
117	100		
119	97.4	75.3	112.9
121	30.9	25.0	37.4

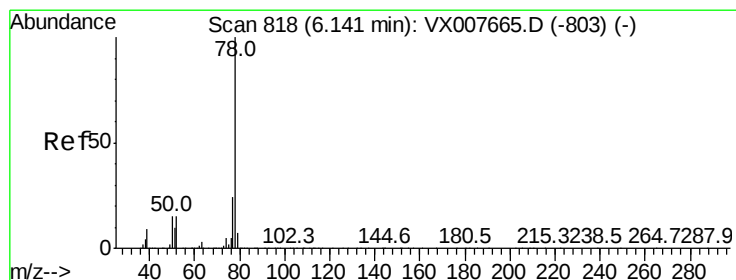
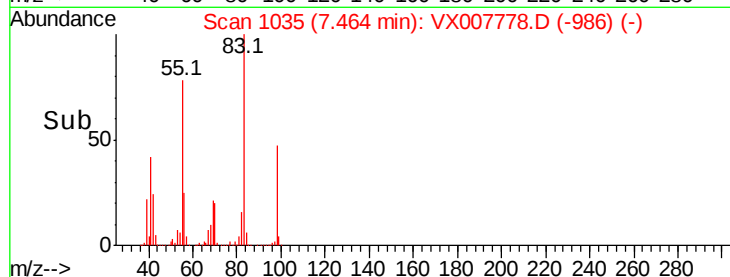
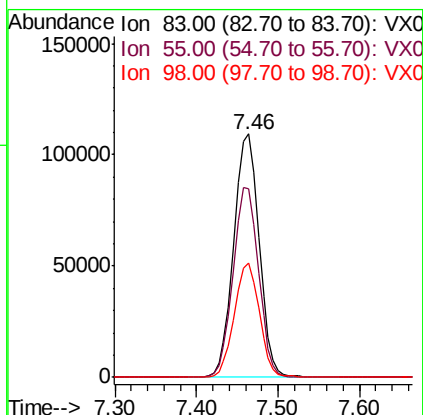
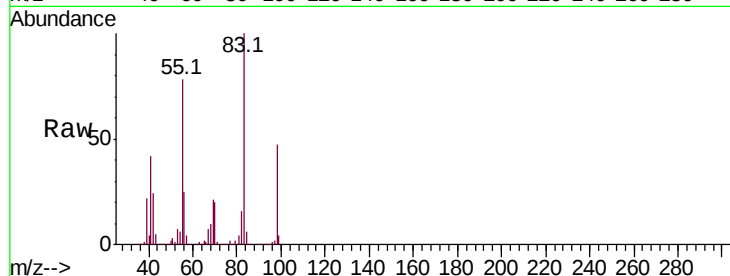




#39
Methvlcvclohexane
Concen: 47.775 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX007778.D
Acq: 28 Feb 2019 20:25

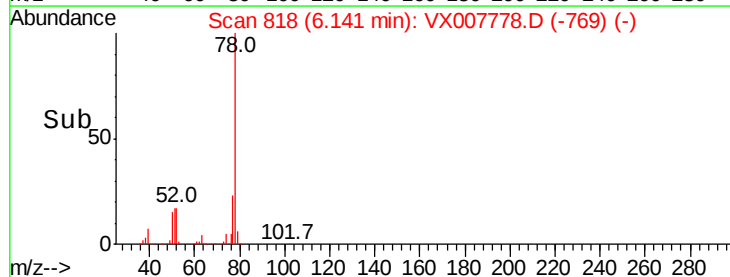
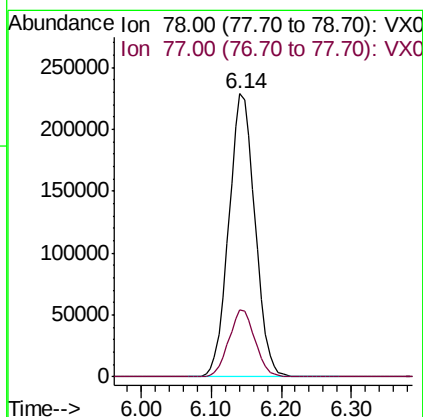
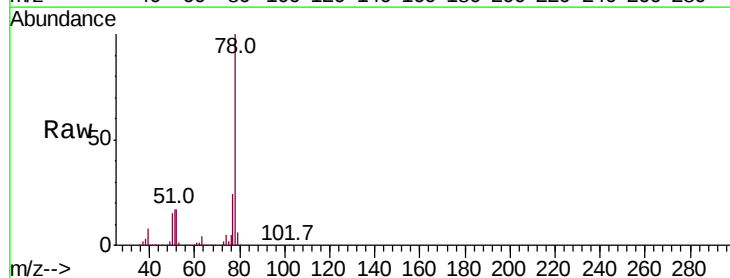
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

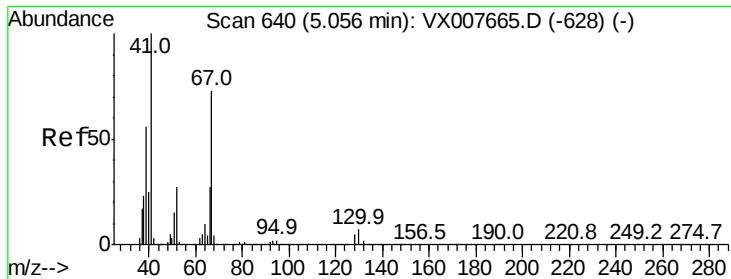
Tot Ion	83	Resp	234700
Ion Ratio	Lower	Upper	
83	100		
55	77.6	56.2	84.2
98	47.0	36.8	55.2



#40
Benzene
Concen: 49.726 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX007778.D
Acq: 28 Feb 2019 20:25

Tgt Ion	78	Resp	596666
Ion Ratio	Lower	Upper	
78	100		
77	23.6	19.3	28.9

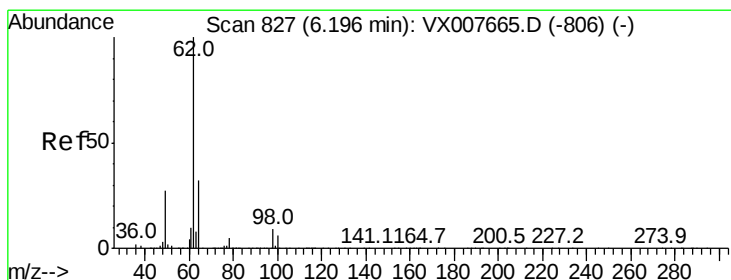
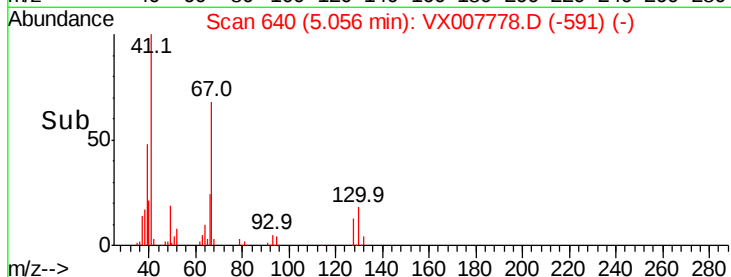
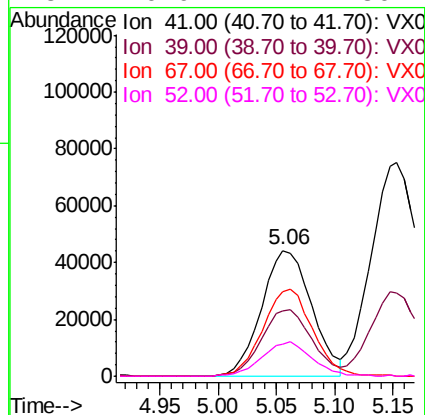
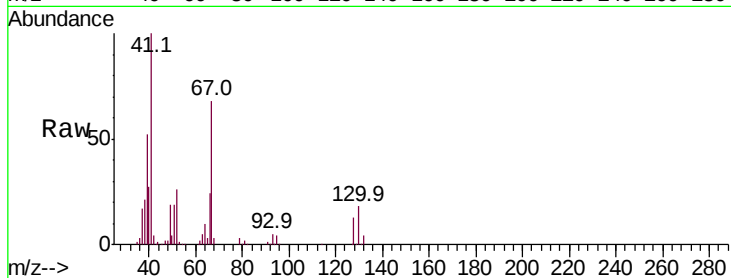




#41
Methacrylonitrile
Concen: 57.102 ug/l
RT: 5.06 min Scan# 640
Delta R.T. 0.00 min
Lab File: VX007778.D
Acq: 28 Feb 2019 20:25

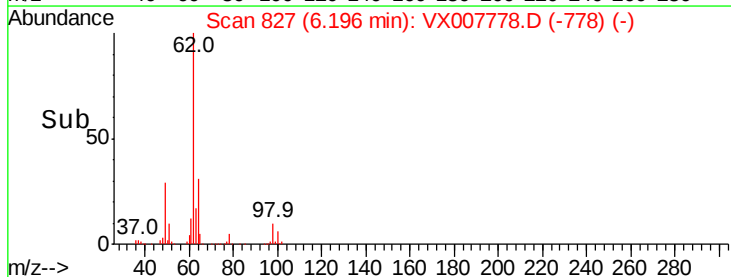
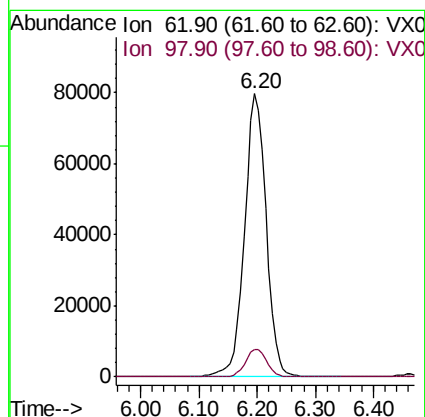
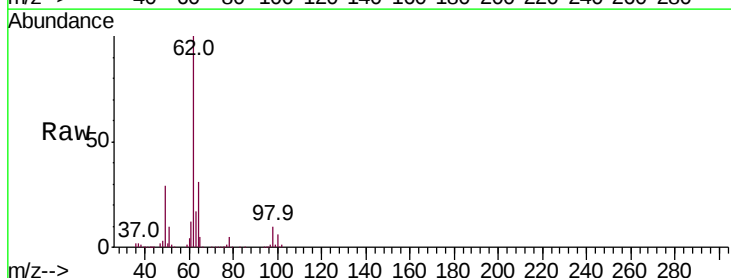
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

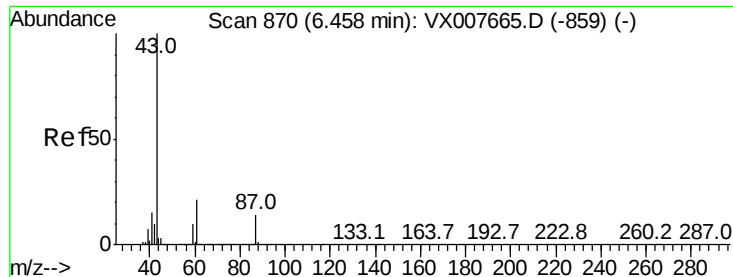
Tot Ion:	41	Resp:	131657
Ion	Ratio	Lower	Upper
41	100		
39	53.2	44.5	66.7
67	68.9	60.4	90.6
52	26.9	24.1	36.1



#42
1,2-Dichloroethane
Concen: 50.906 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX007778.D
Acq: 28 Feb 2019 20:25

Tgt Ion:	62	Resp:	205305
Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	19.0





#43

Isopropyl Acetate

Concen: 54.518 ug/l

RT: 6.46 min Scan# 870

Delta R.T. 0.00 min

Lab File: VX007778.D

Acq: 28 Feb 2019 20:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

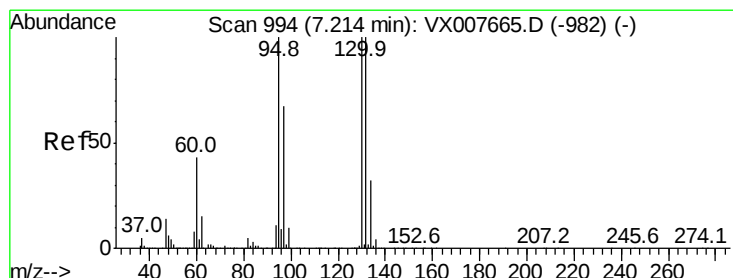
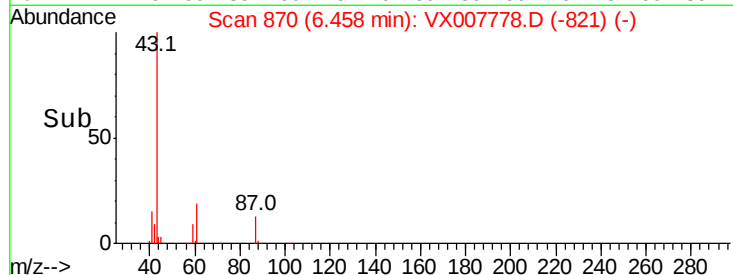
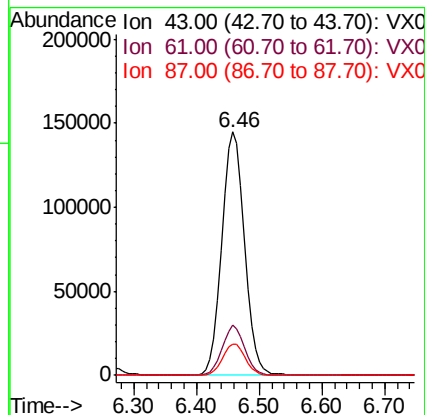
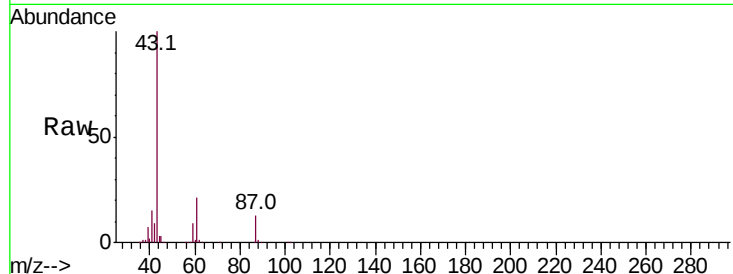
Tot Ion: 43 Resp: 362297

Ion Ratio Lower Upper

43 100

61 20.1 16.1 24.1

87 13.0 11.5 17.3



#44

Trichloroethene

Concen: 49.113 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX007778.D

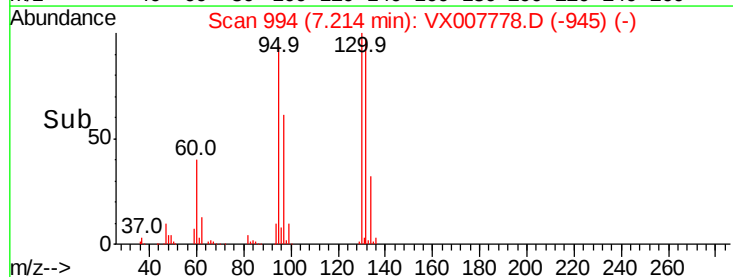
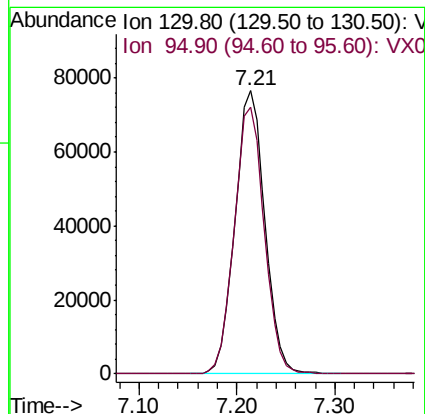
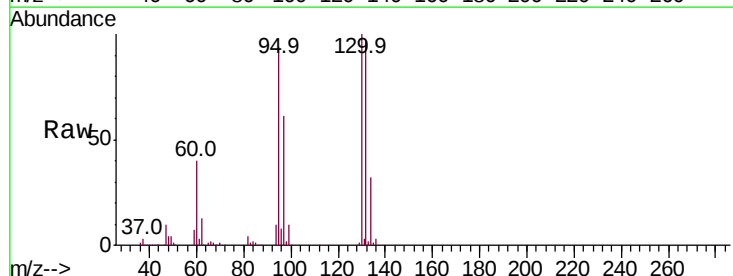
Acq: 28 Feb 2019 20:25

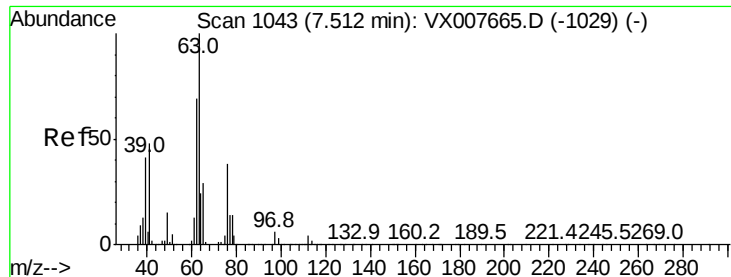
Tgt Ion:130 Resp: 162113

Ion Ratio Lower Upper

130 100

95 94.4 0.0 180.0

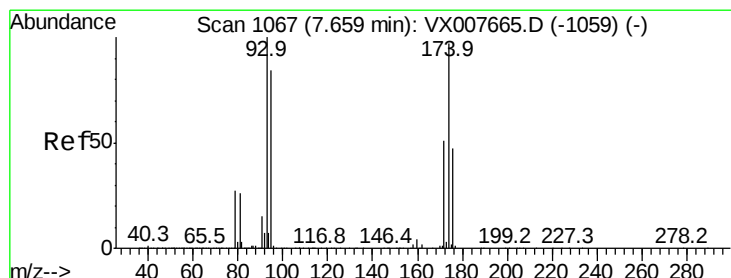
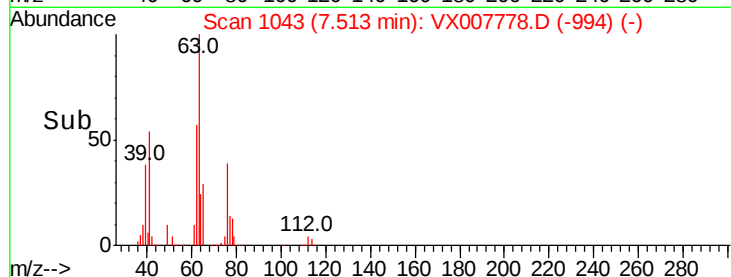
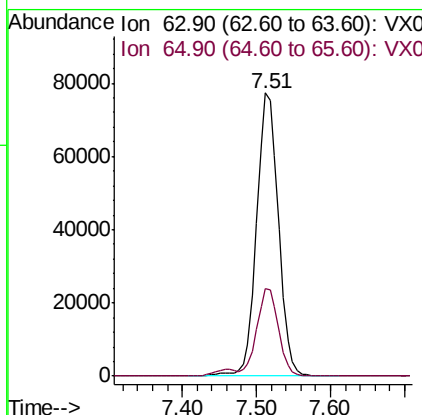
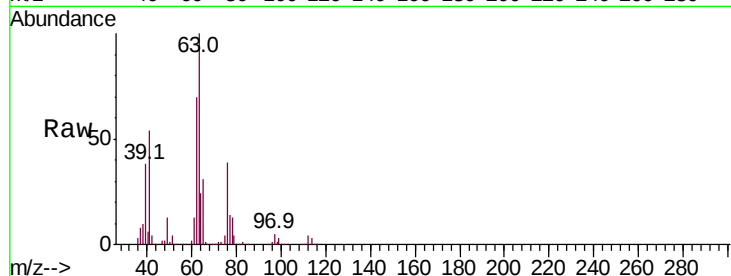




#45
 1,2-Dichloropropane
 Concen: 51.447 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX007778.D
 Acq: 28 Feb 2019 20:25

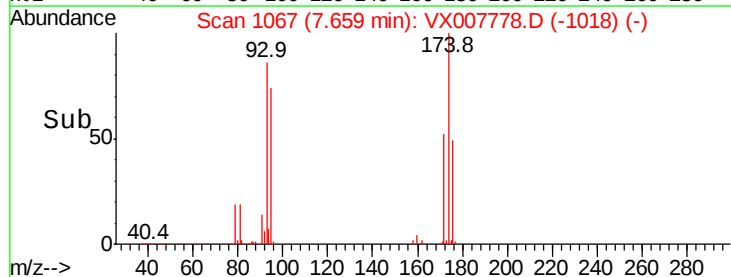
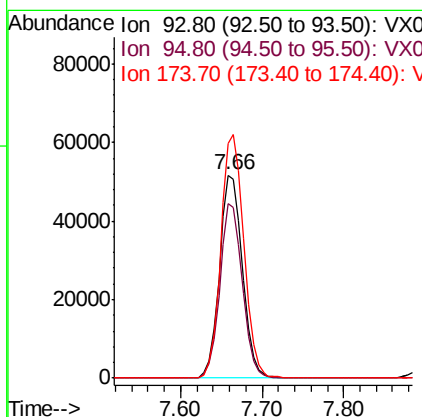
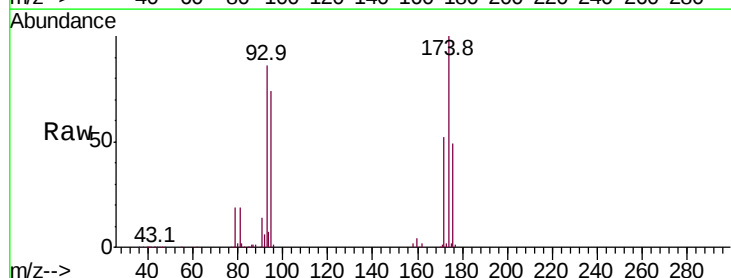
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

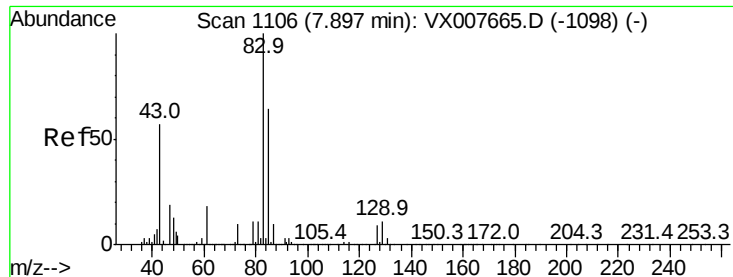
Tot Ion: 63 Resp: 159909
 Ion Ratio Lower Upper
 63 100
 65 30.8 24.2 36.2



#46
 Dibromomethane
 Concen: 46.438 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX007778.D
 Acq: 28 Feb 2019 20:25

Tgt Ion: 93 Resp: 100698
 Ion Ratio Lower Upper
 93 100
 95 84.7 67.6 101.4
 174 120.3 94.2 141.4





#47

Bromodichloromethane

Concen: 50.843 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX007778.D

Acq: 28 Feb 2019 20:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

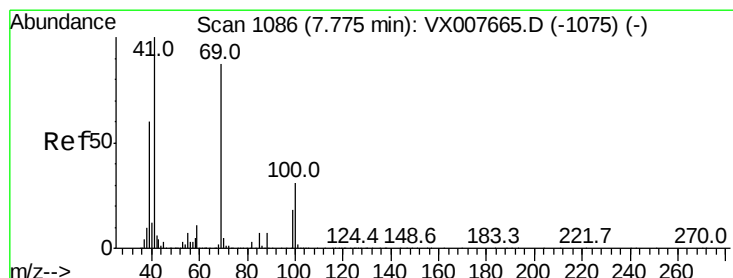
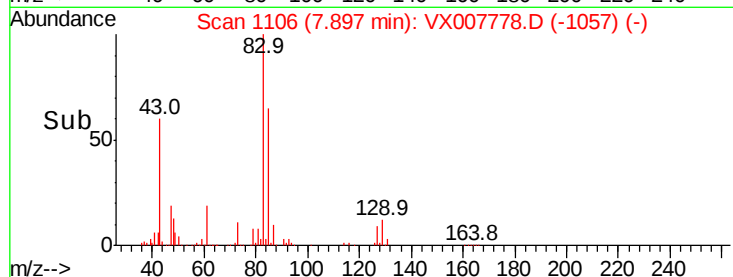
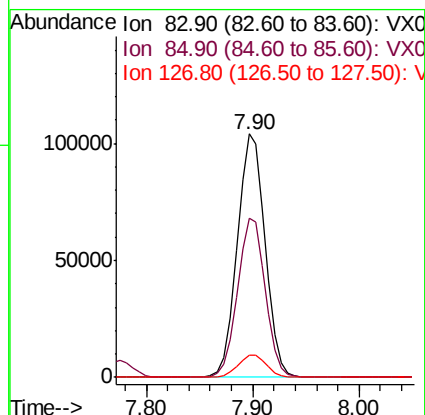
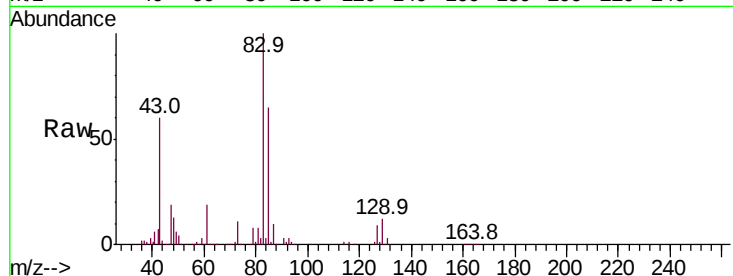
Tot Ion: 83 Resp: 191057

Ion Ratio Lower Upper

83 100

85 65.4 51.4 77.0

127 9.2 8.1 12.1



#48

Methyl methacrylate

Concen: 55.884 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VX007778.D

Acq: 28 Feb 2019 20:25

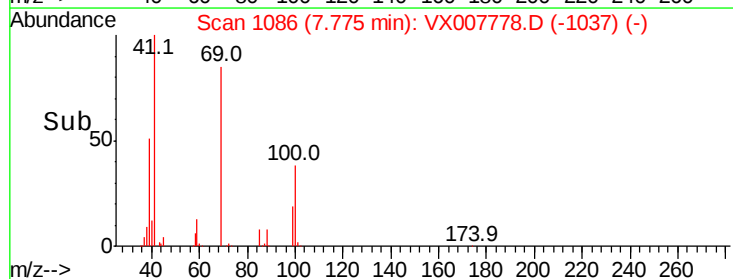
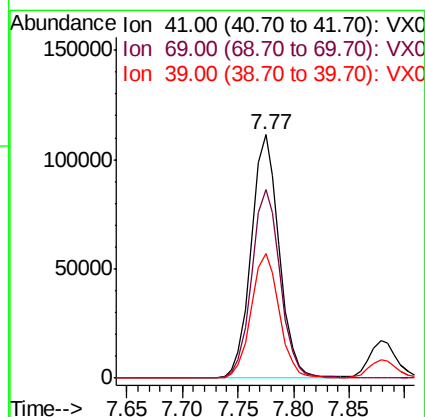
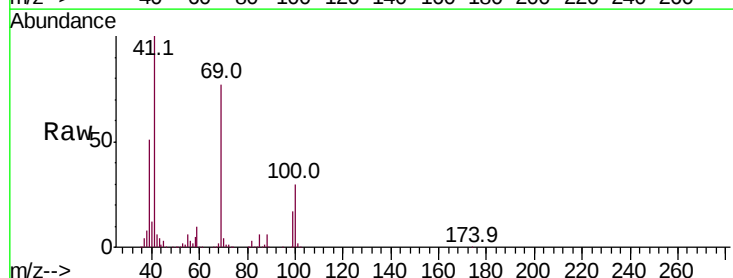
Tgt Ion: 41 Resp: 194669

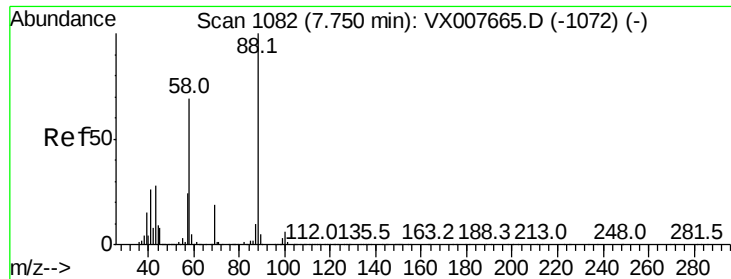
Ion Ratio Lower Upper

41 100

69 79.5 70.2 105.4

39 51.7 47.4 71.0

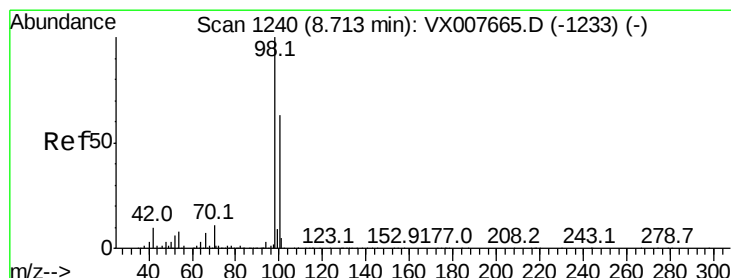
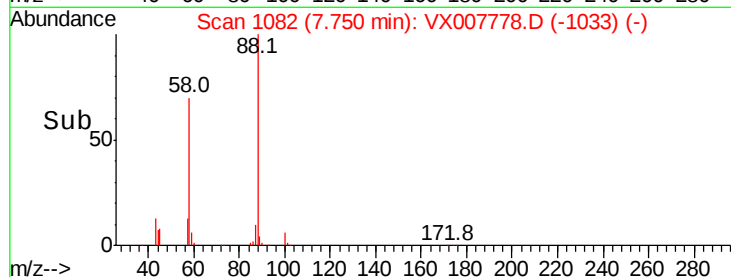
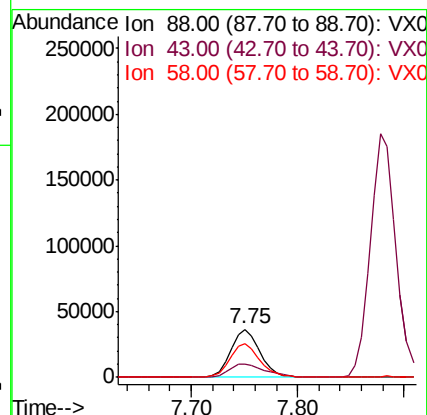
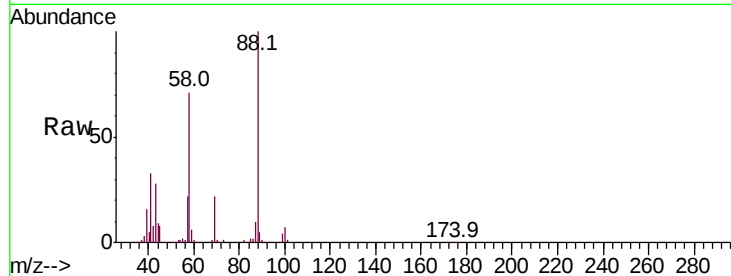




#49
1,4-Dioxane
Concen: 930.485 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. 0.00 min
Lab File: VX007778.D
Acq: 28 Feb 2019 20:25

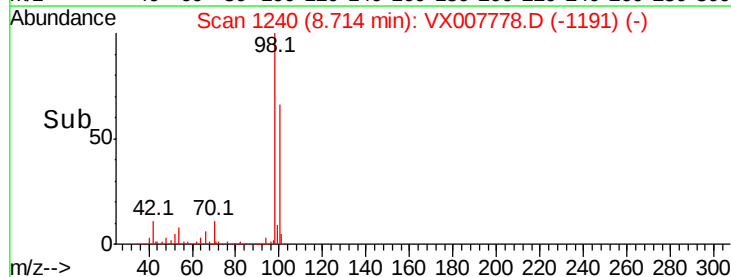
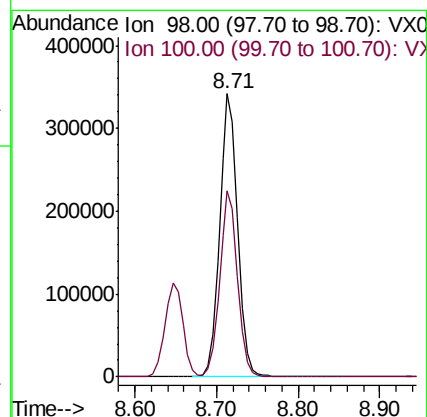
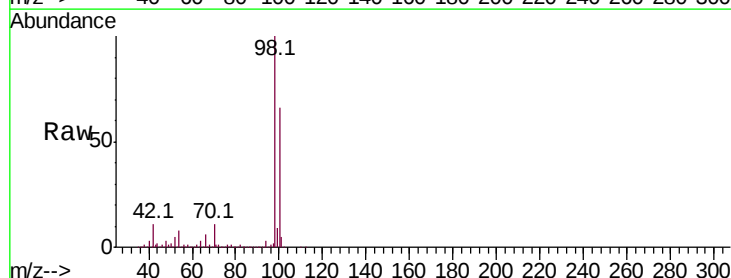
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

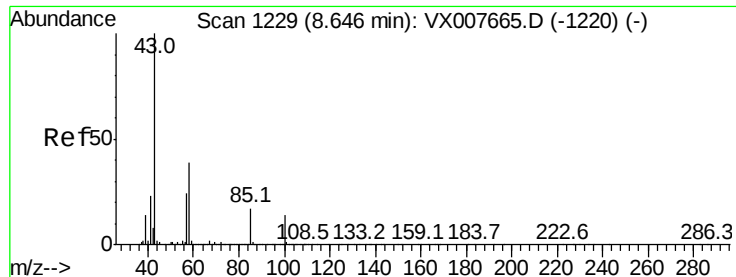
Tot Ion: 88 Resp: 70006
Ion Ratio Lower Upper
88 100
43 34.3 24.2 36.4
58 72.7 53.0 79.4



#50
Toluene-d8
Concen: 47.697 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX007778.D
Acq: 28 Feb 2019 20:25

Tgt Ion: 98 Resp: 527754
Ion Ratio Lower Upper
98 100
100 64.9 51.6 77.4





#51

4-Methyl-2-Pentanone

Concen: 266.089 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VX007778.D

Acq: 28 Feb 2019 20:25

Instrument :

MSVOA_X

ClientSampleId :

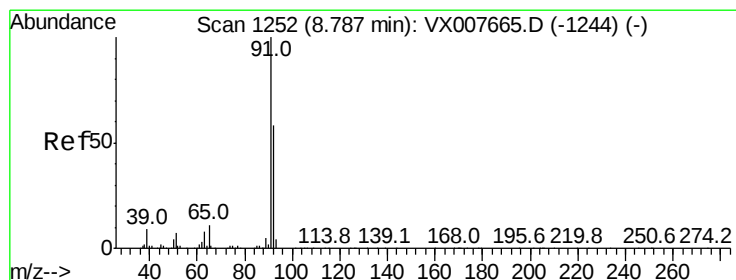
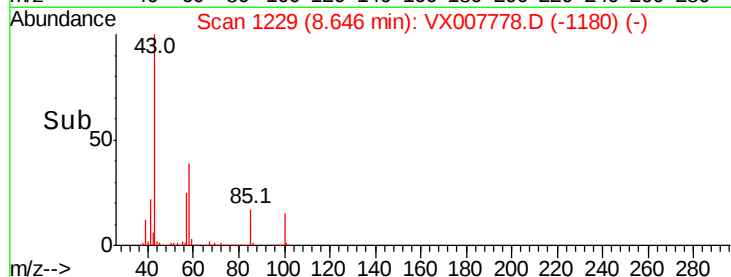
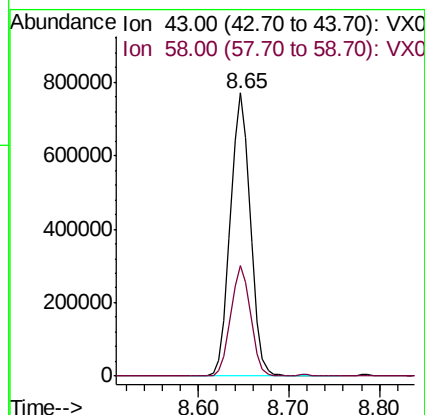
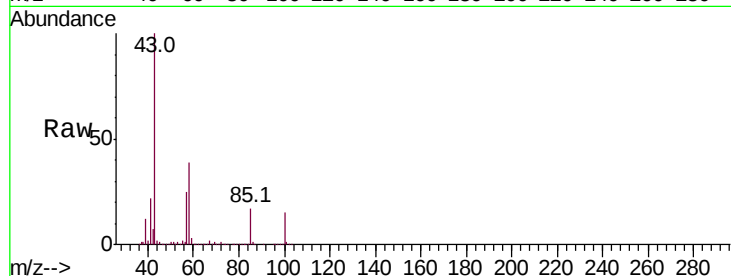
VSTDCCC050EC

Tot Ion: 43 Resp: 1183645

Ion Ratio Lower Upper

43 100

58 38.6 31.2 46.8



#52

Toluene

Concen: 49.026 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX007778.D

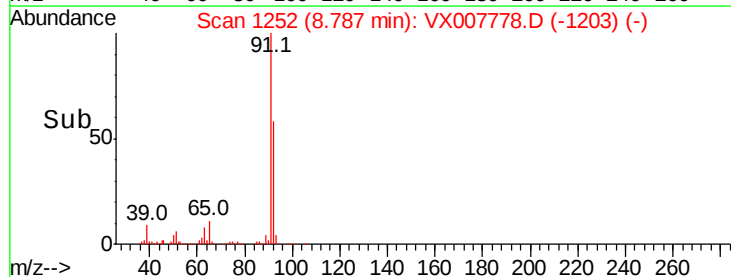
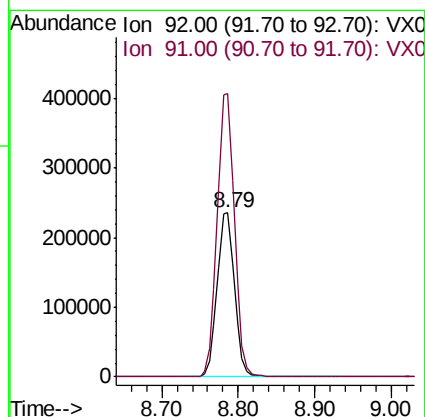
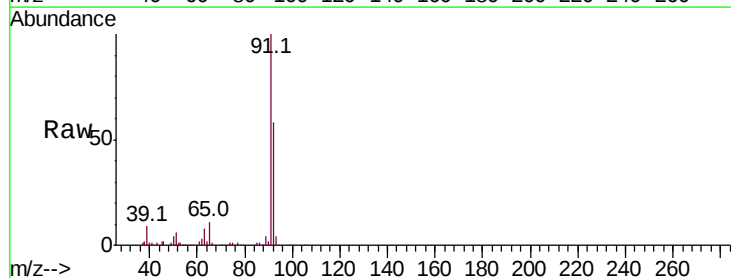
Acq: 28 Feb 2019 20:25

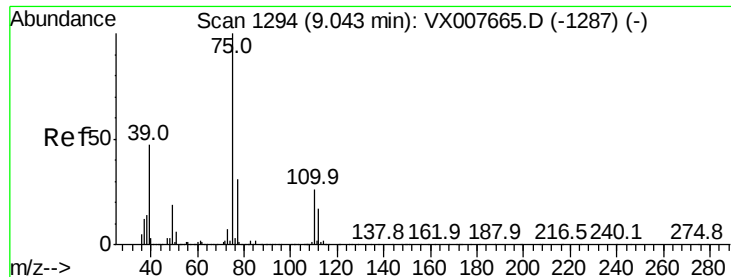
Tgt Ion: 92 Resp: 370949

Ion Ratio Lower Upper

92 100

91 173.1 139.1 208.7





#53

t-1,3-Dichloropropene

Concen: 45.721 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX007778.D

Acq: 28 Feb 2019 20:25

Instrument :

MSVOA_X

ClientSampleId :

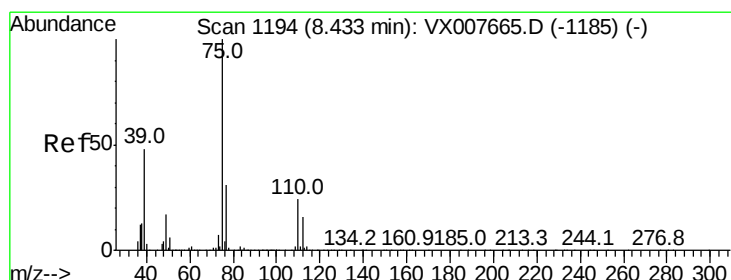
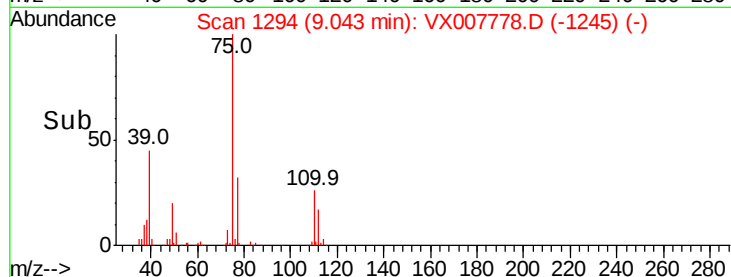
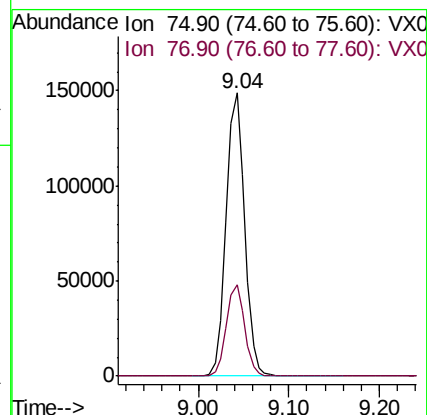
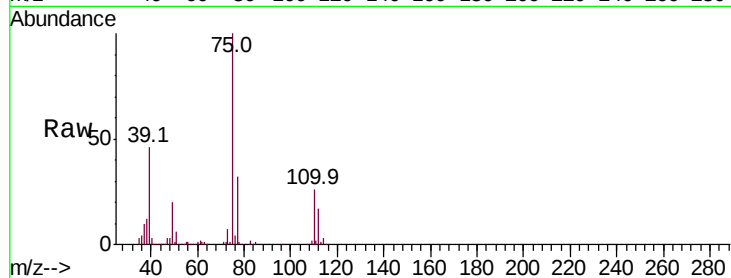
VSTDCCC050EC

Tot Ion: 75 Resp: 212409

Ion Ratio Lower Upper

75 100

77 32.3 25.2 37.8



#54

cis-1,3-Dichloropropene

Concen: 51.456 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VX007778.D

Acq: 28 Feb 2019 20:25

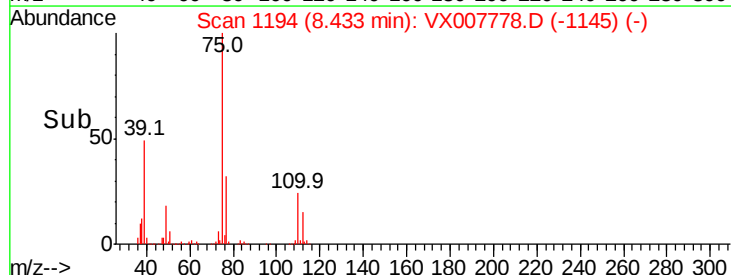
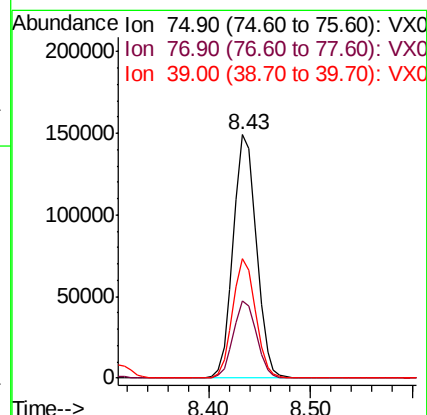
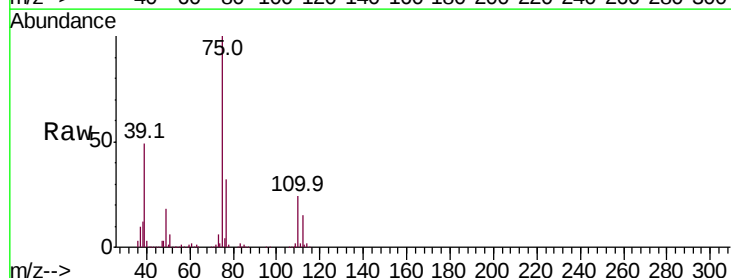
Tgt Ion: 75 Resp: 234648

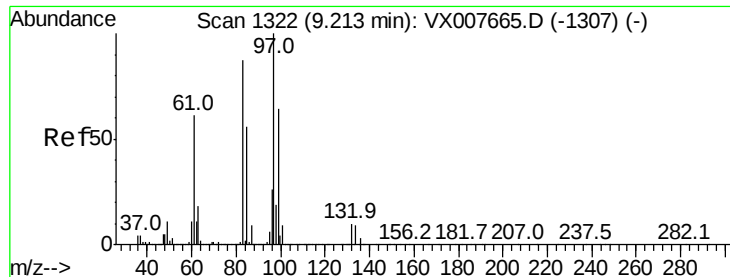
Ion Ratio Lower Upper

75 100

77 31.6 26.2 39.4

39 48.9 37.1 55.7





#55

1,1,2-Trichloroethane

Concen: 48.433 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VX007778.D

Acq: 28 Feb 2019 20:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 152818

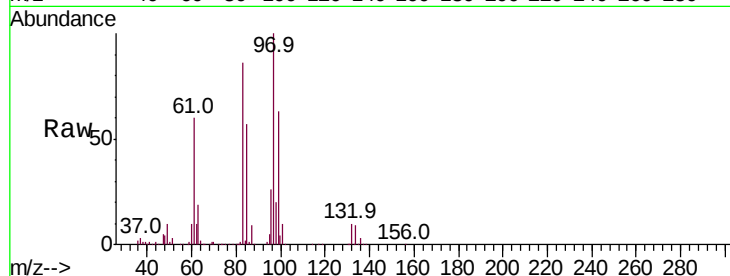
Ion Ratio Lower Upper

97 100

83 85.9 68.6 102.8

85 56.9 44.5 66.7

99 63.1 52.2 78.4

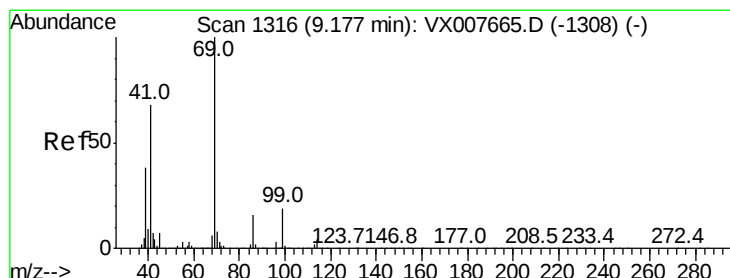
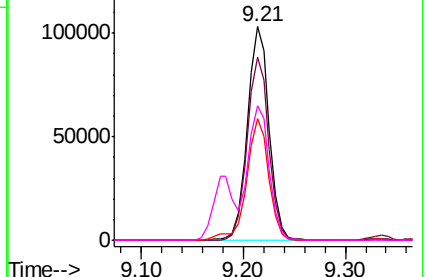
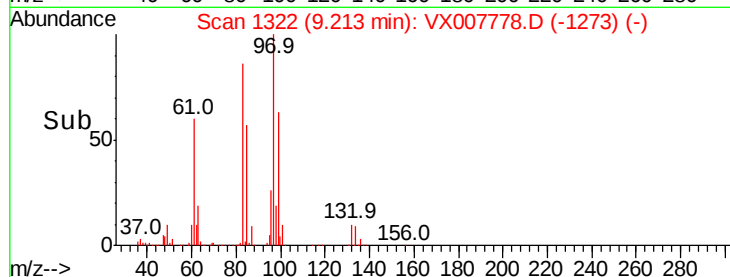


Abundance Ion 96.90 (96.60 to 97.60): VX0

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: 52.876 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VX007778.D

Acq: 28 Feb 2019 20:25

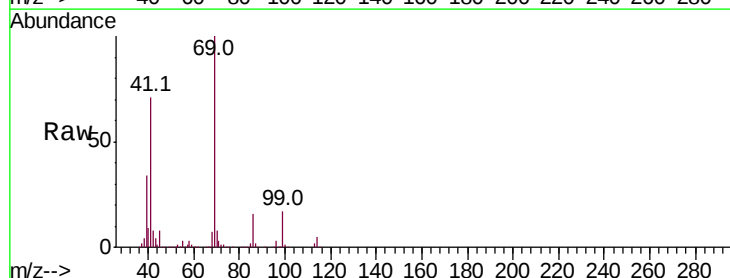
Tgt Ion: 69 Resp: 237254

Ion Ratio Lower Upper

69 100

41 69.2 52.1 78.1

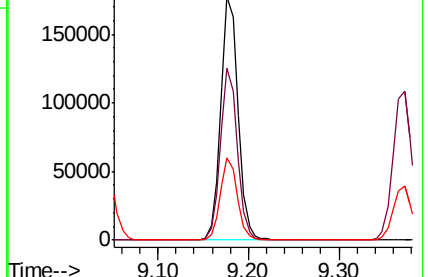
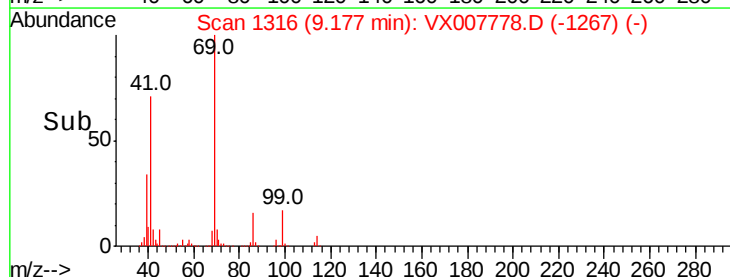
39 33.3 30.1 45.1

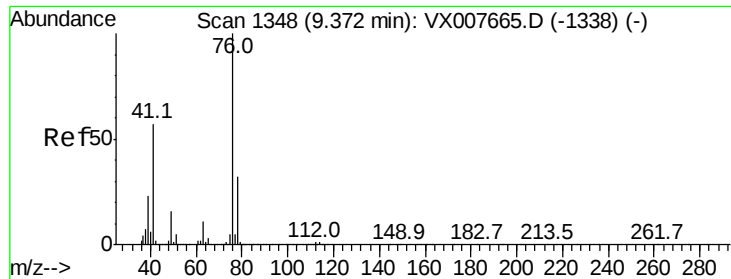


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 50.814 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX007778.D

Acq: 28 Feb 2019 20:25

Instrument :

MSVOA_X

ClientSampleId :

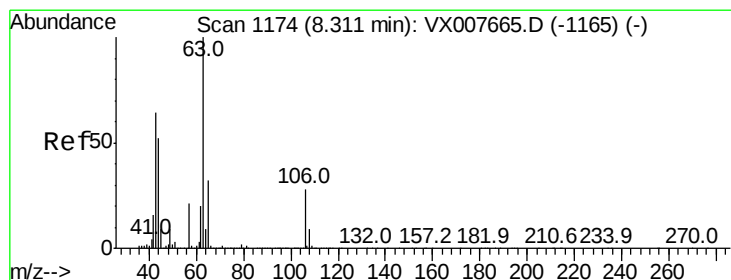
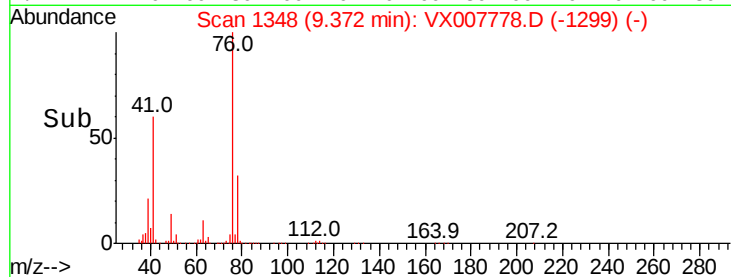
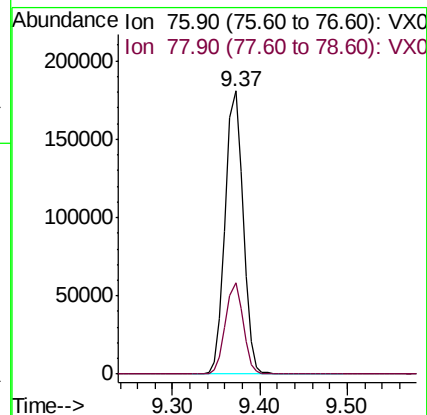
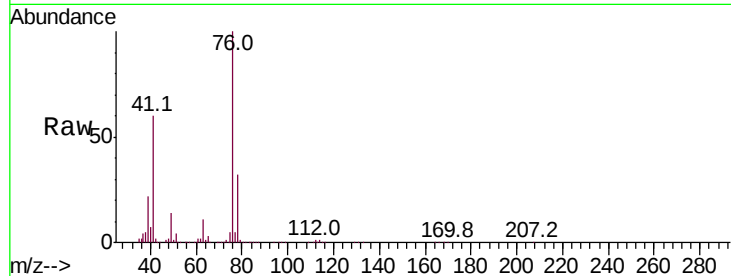
VSTDCCC050EC

Tot Ion: 76 Resp: 256654

Ion Ratio Lower Upper

76 100

78 32.0 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 258.214 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX007778.D

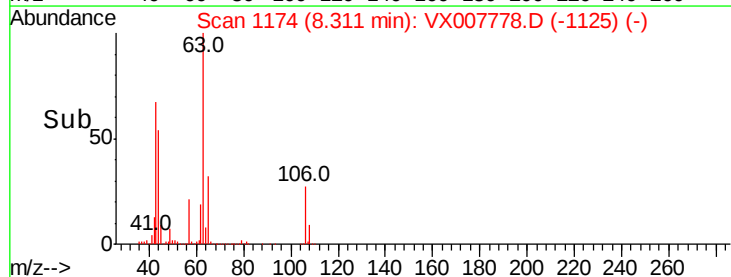
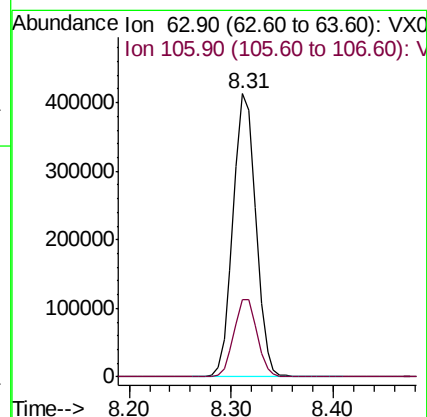
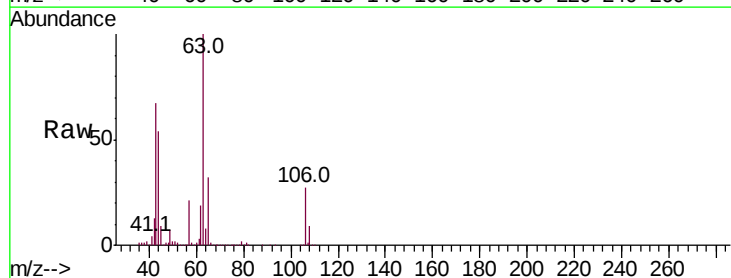
Acq: 28 Feb 2019 20:25

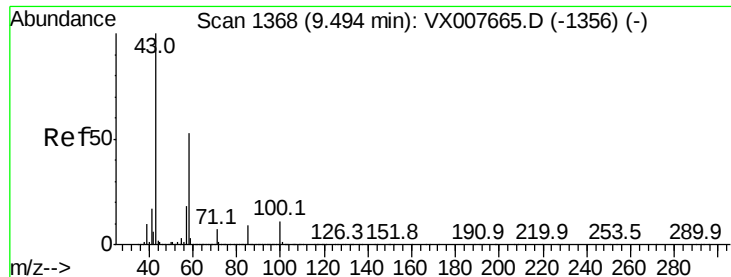
Tgt Ion: 63 Resp: 638910

Ion Ratio Lower Upper

63 100

106 27.9 23.6 35.4

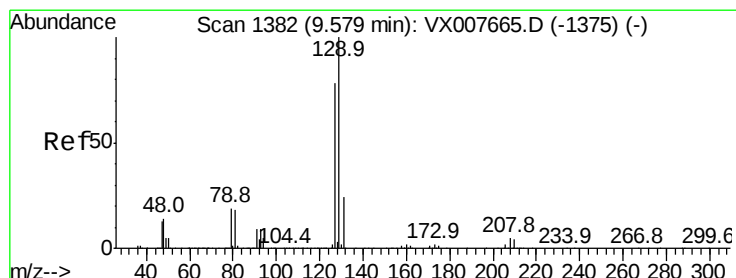
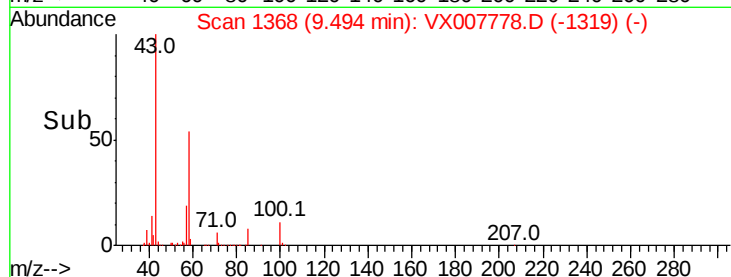
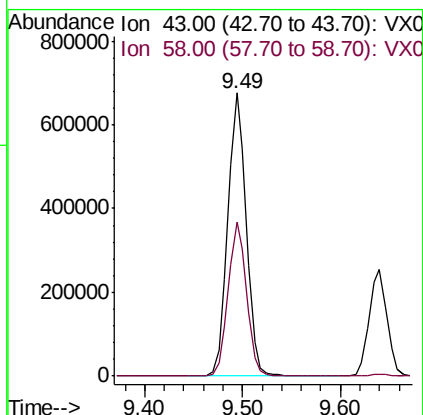
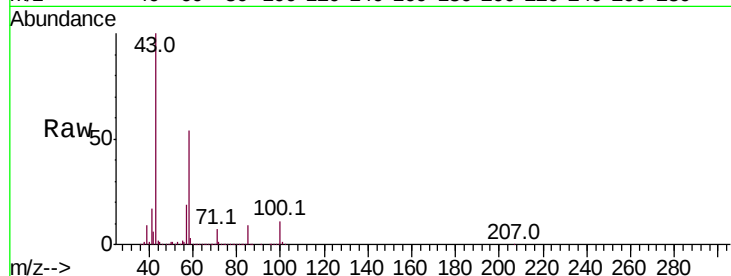




#59
2-Hexanone
Concen: 253.139 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX007778.D
Acq: 28 Feb 2019 20:25

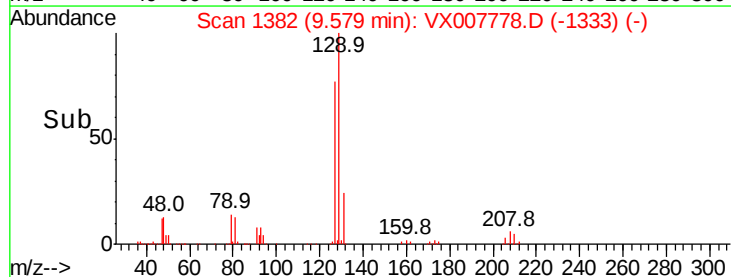
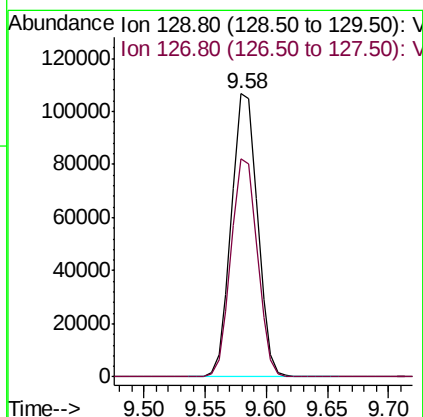
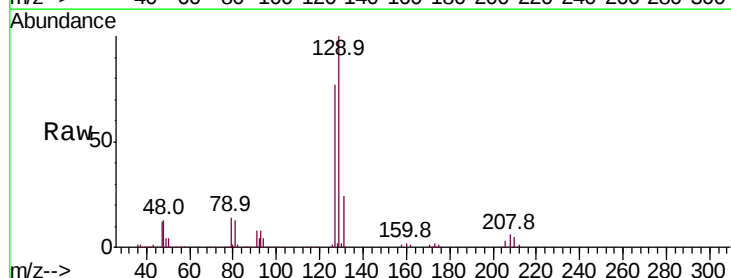
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

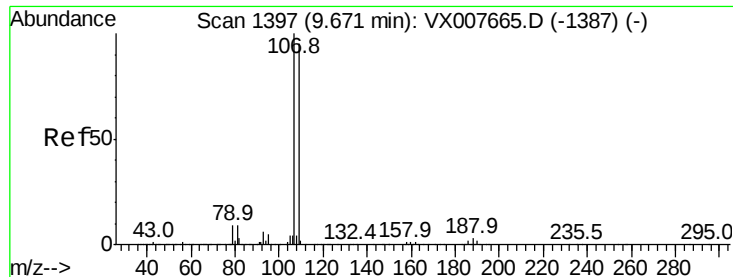
Tot Ion: 43 Resp: 884043
Ion Ratio Lower Upper
43 100
58 54.2 27.1 81.3



#60
Dibromochloromethane
Concen: 52.085 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX007778.D
Acq: 28 Feb 2019 20:25

Tgt Ion: 129 Resp: 158133
Ion Ratio Lower Upper
129 100
127 77.2 37.8 113.4





#61

1,2-Dibromoethane

Concen: 49.395 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX007778.D

Acq: 28 Feb 2019 20:25

Instrument :

MSVOA_X

ClientSampleId :

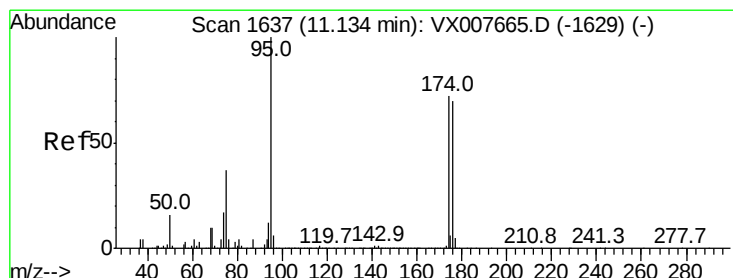
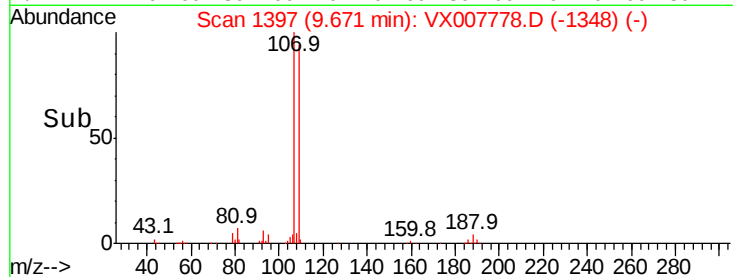
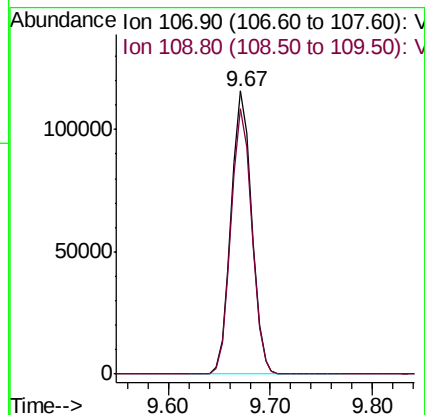
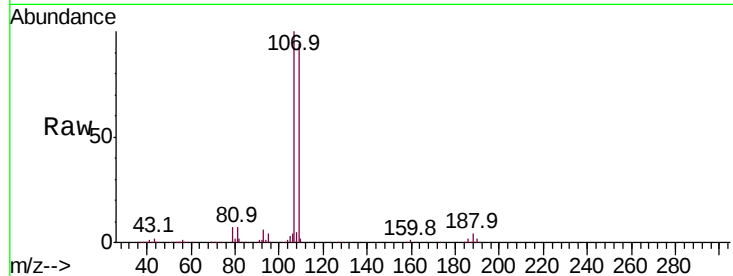
VSTDCCC050EC

Tot Ion:107 Resp: 161815

Ion Ratio Lower Upper

107 100

109 94.5 75.1 112.7



#62

4-Bromofluorobenzene

Concen: 46.607 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007778.D

Acq: 28 Feb 2019 20:25

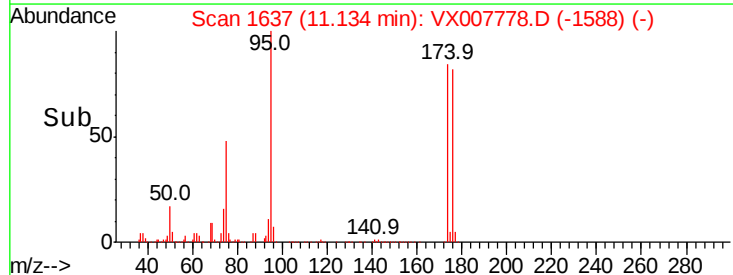
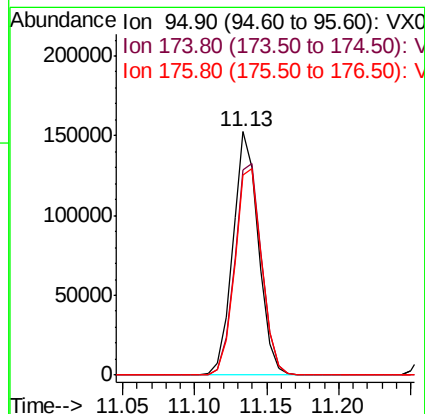
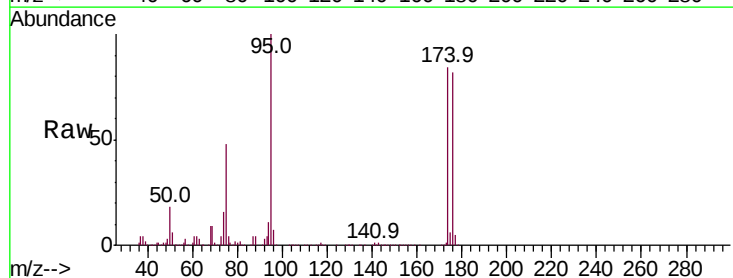
Tgt Ion: 95 Resp: 189278

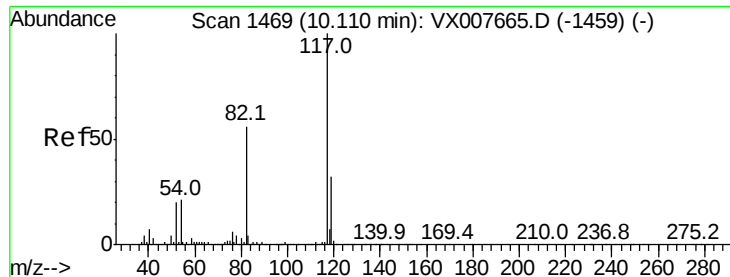
Ion Ratio Lower Upper

95 100

174 91.5 0.0 189.2

176 89.3 0.0 186.2

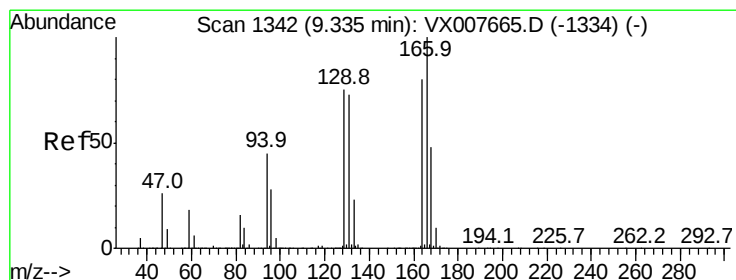
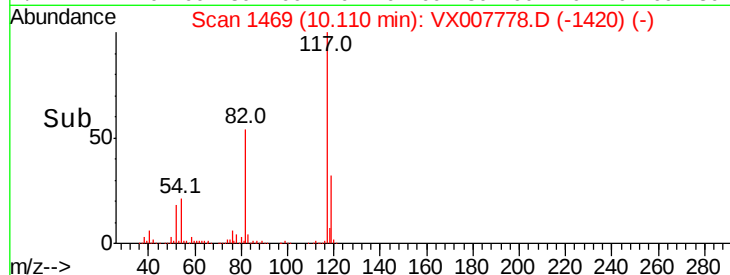
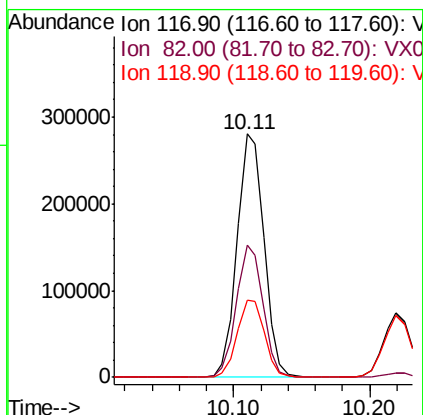
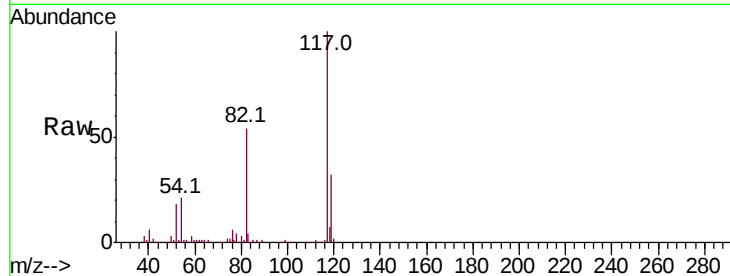




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX007778.D
Acq: 28 Feb 2019 20:25

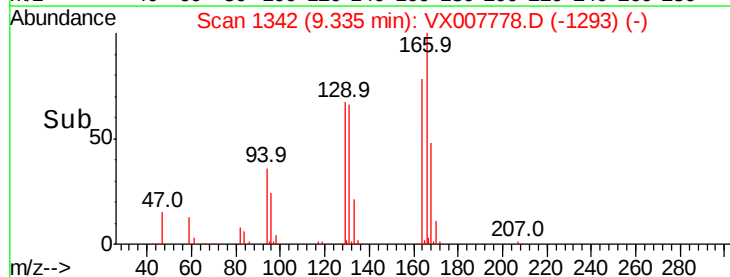
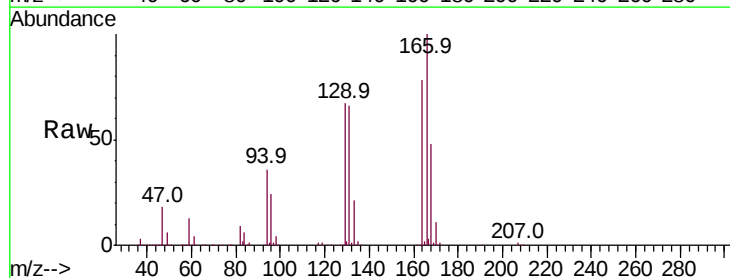
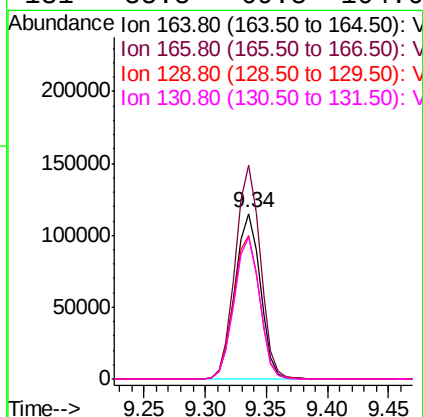
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

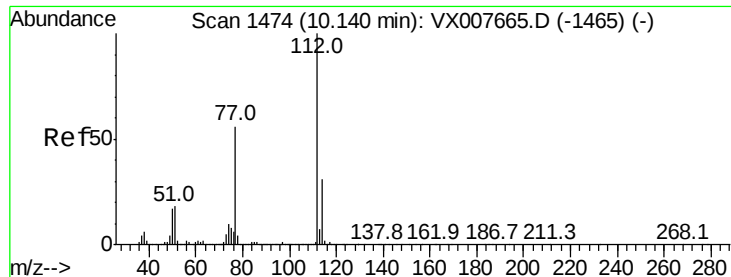
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.4	42.1	63.1
119	31.8	26.5	39.7



#64
Tetrachloroethene
Concen: 52.640 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX007778.D
Acq: 28 Feb 2019 20:25

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.0	101.0	151.4
129	87.0	70.5	105.7
131	85.5	69.8	104.6





#65

Chlorobenzene

Concen: 49.061 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.00 min

Lab File: VX007778.D

Acq: 28 Feb 2019 20:25

Instrument :

MSVOA_X

ClientSampleId :

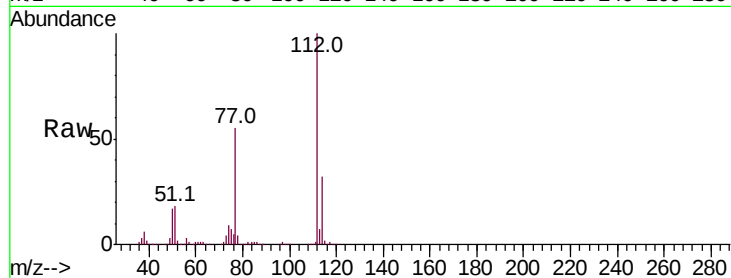
VSTDCCC050EC

Tot Ion:112 Resp: 409892

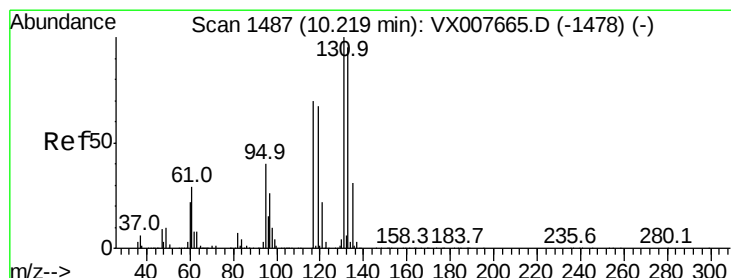
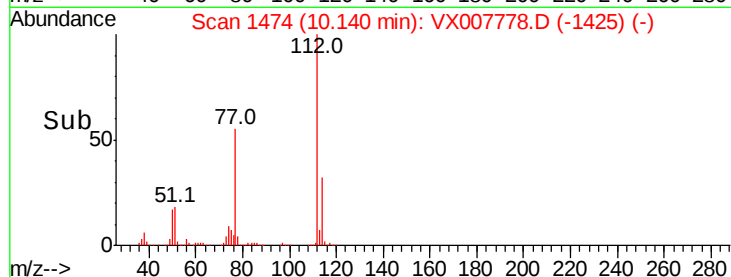
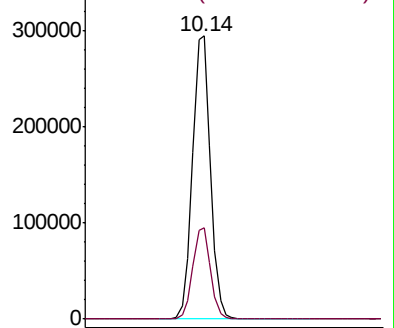
Ion Ratio Lower Upper

112 100

114 32.3 25.8 38.6



Abundance Ion 111.90 (111.60 to 112.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 52.096 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX007778.D

Acq: 28 Feb 2019 20:25

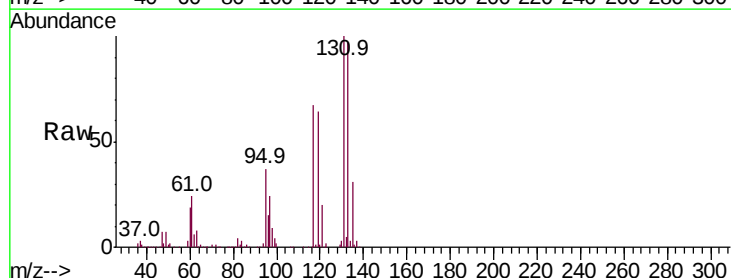
Tgt Ion:131 Resp: 151823

Ion Ratio Lower Upper

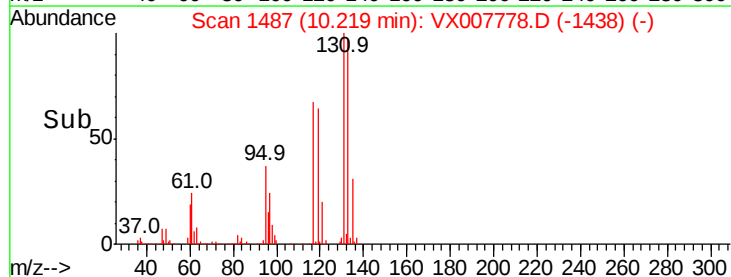
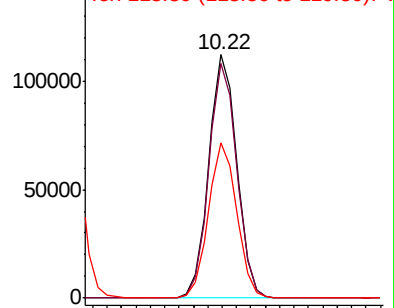
131 100

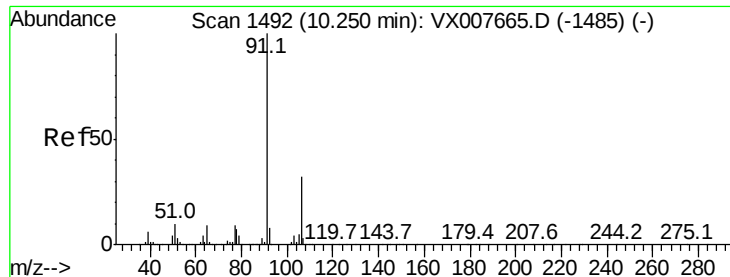
133 96.2 48.0 144.2

119 64.4 32.0 96.0



Abundance Ion 130.80 (130.50 to 131.50): V





#67

Ethyl Benzene

Concen: 50.384 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX007778.D

Acq: 28 Feb 2019 20:25

Instrument :

MSVOA_X

ClientSampleId :

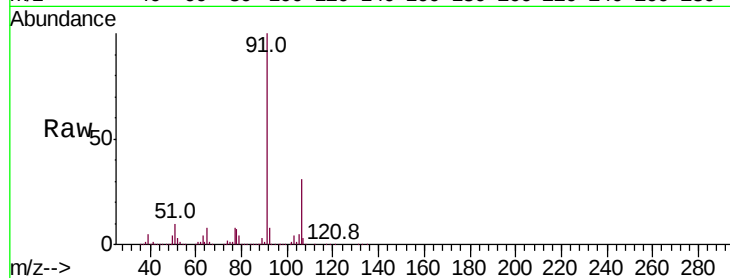
VSTDCCC050EC

Tot Ion: 91 Resp: 697314

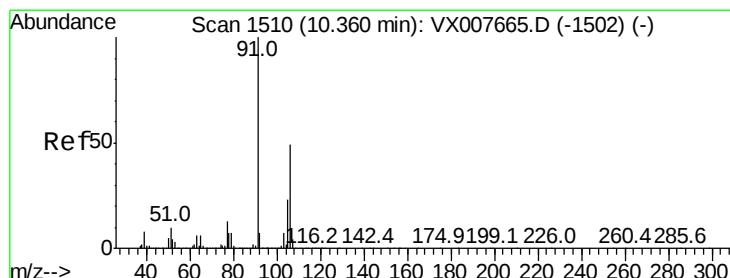
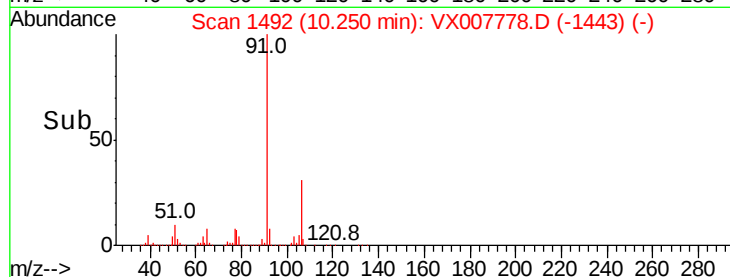
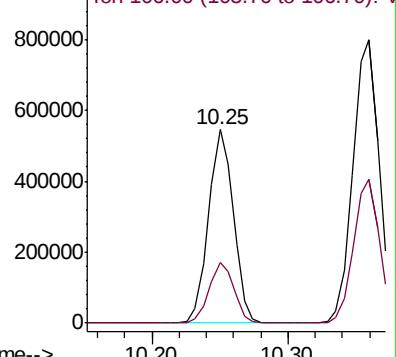
Ion Ratio Lower Upper

91 100

106 31.2 25.4 38.0



Abundance Ion 91.00 (90.70 to 91.70): VX007665.D (-1485) (-)



#68

m/p-Xylenes

Concen: 99.556 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX007778.D

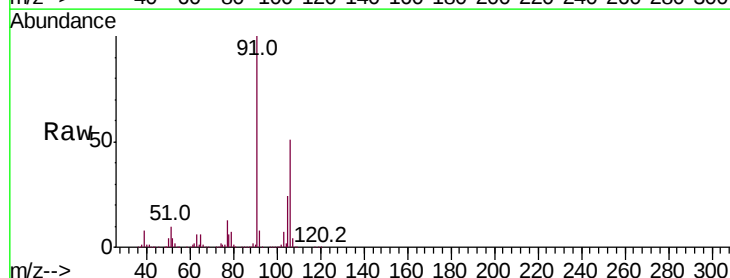
Acq: 28 Feb 2019 20:25

Tgt Ion: 106 Resp: 536032

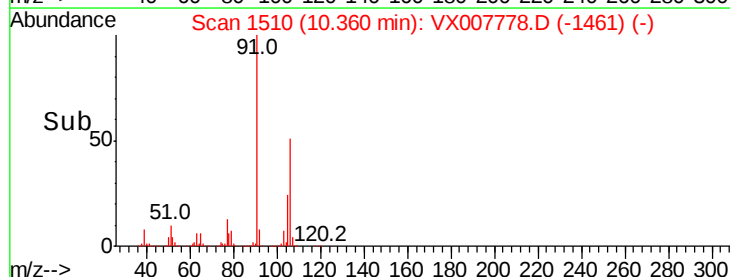
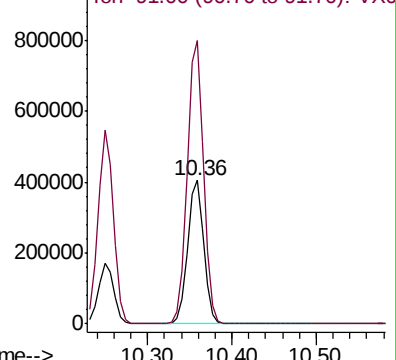
Ion Ratio Lower Upper

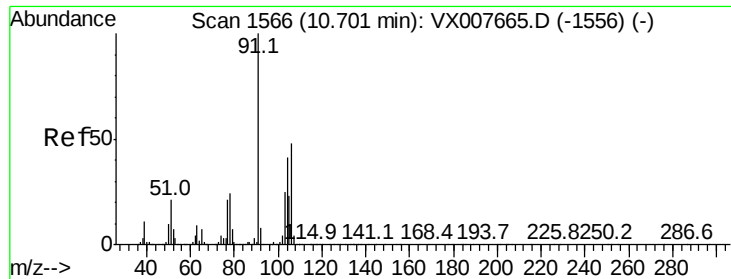
106 100

91 199.3 156.6 234.8



Abundance Ion 106.00 (105.70 to 106.70): VX007665.D (-1502) (-)

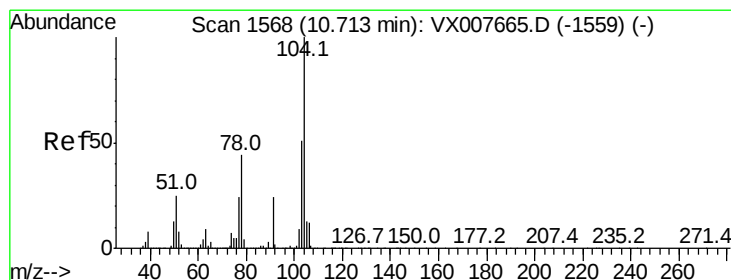
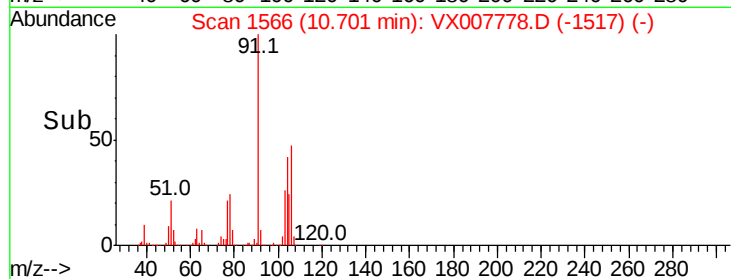
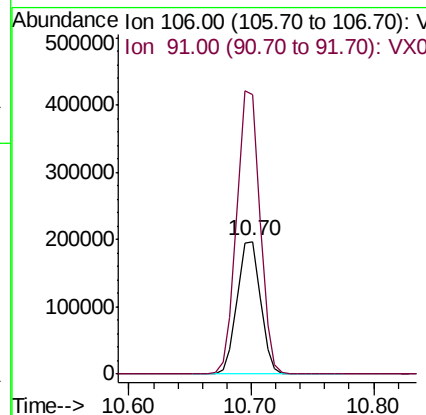
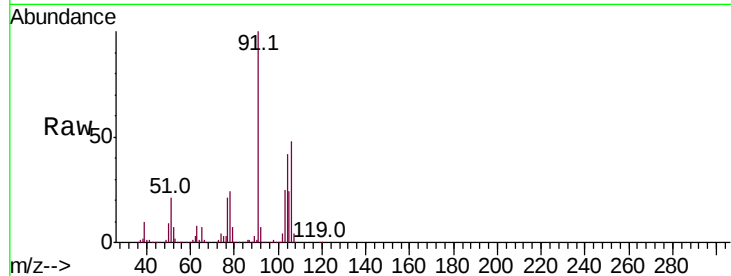




#69
o-Xylene
Concen: 50.318 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX007778.D
Acq: 28 Feb 2019 20:25

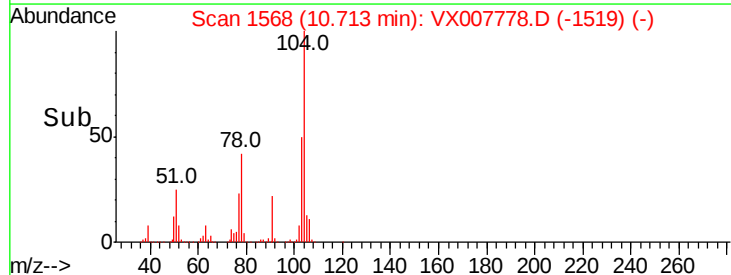
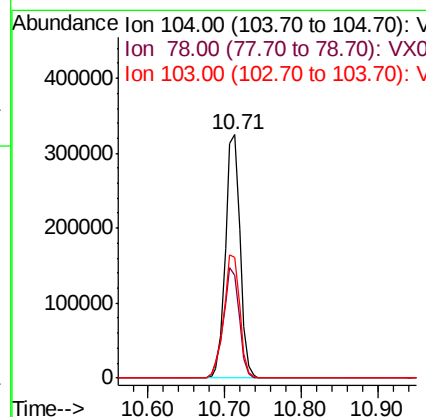
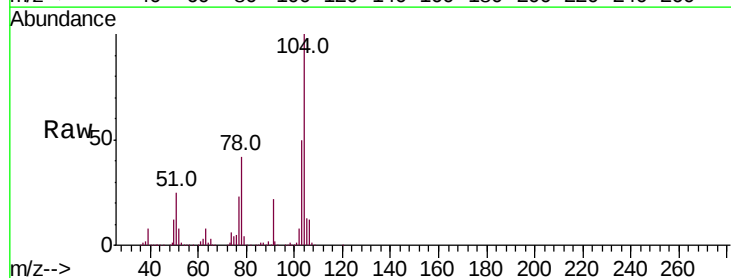
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

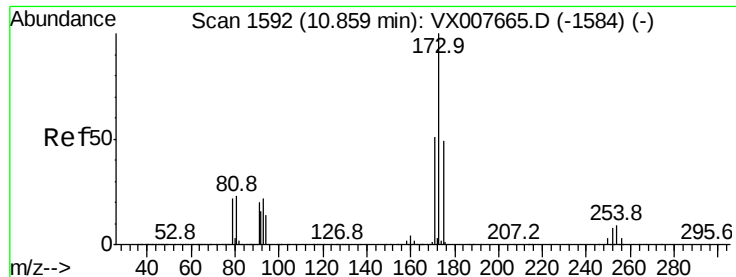
Tot Ion:106 Resp: 260597
Ion Ratio Lower Upper
106 100
91 212.2 102.9 308.7



#70
Styrene
Concen: 50.612 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX007778.D
Acq: 28 Feb 2019 20:25

Tgt Ion:104 Resp: 430843
Ion Ratio Lower Upper
104 100
78 48.9 38.3 57.5
103 55.2 44.6 67.0





#71

Bromoform

Concen: 56.524 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.01 min

Lab File: VX007778.D

Acq: 28 Feb 2019 20:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

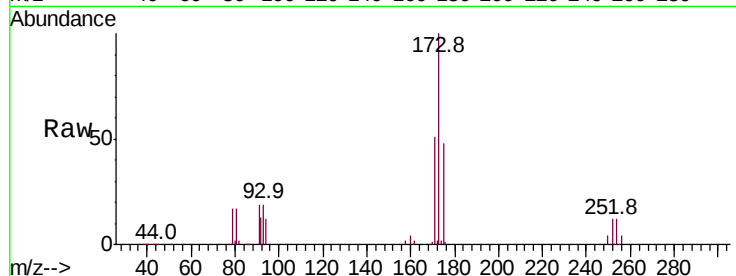
Tot Ion:173 Resp: 123527

Ion Ratio Lower Upper

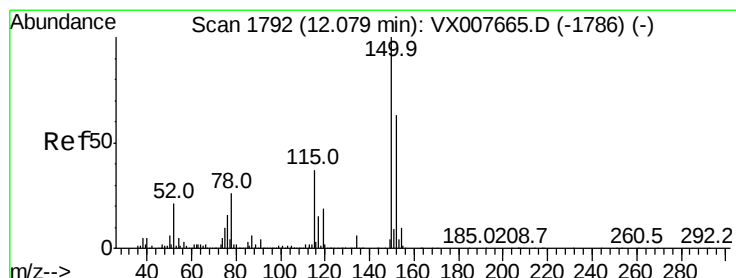
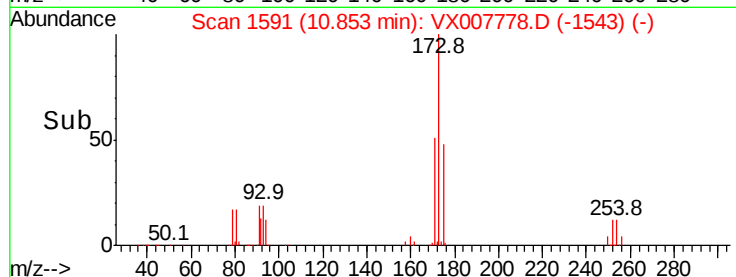
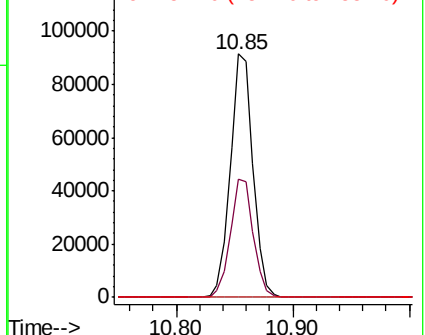
173 100

175 49.0 24.2 72.6

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: VX007778.D

Acq: 28 Feb 2019 20:25

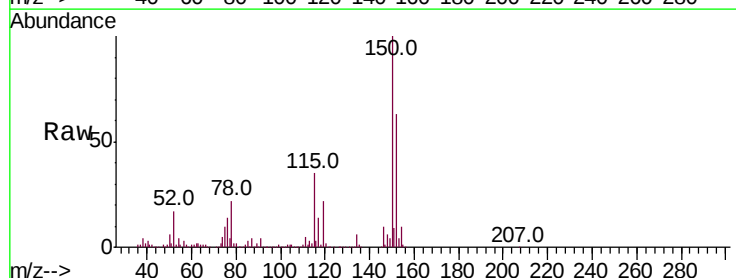
Tgt Ion:152 Resp: 198418

Ion Ratio Lower Upper

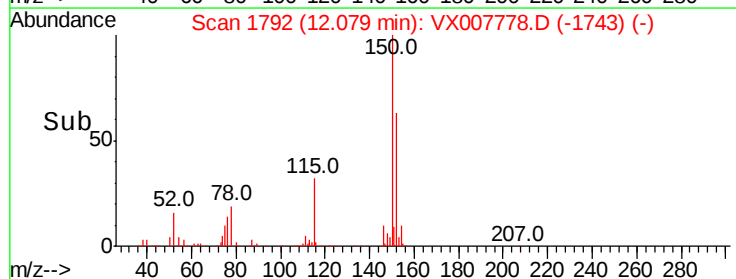
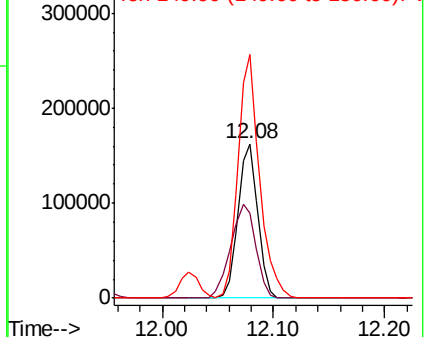
152 100

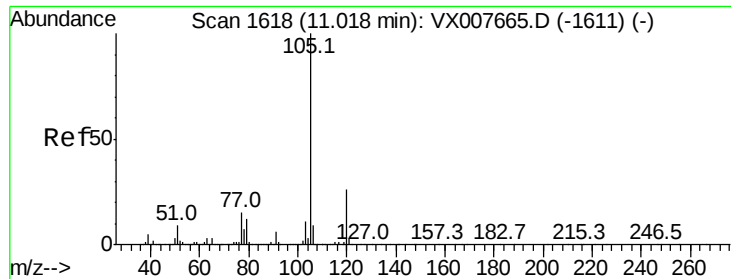
115 77.6 38.0 114.0

150 172.4 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: 49.166 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX007778.D

Acq: 28 Feb 2019 20:25

Instrument :

MSVOA_X

ClientSampleId :

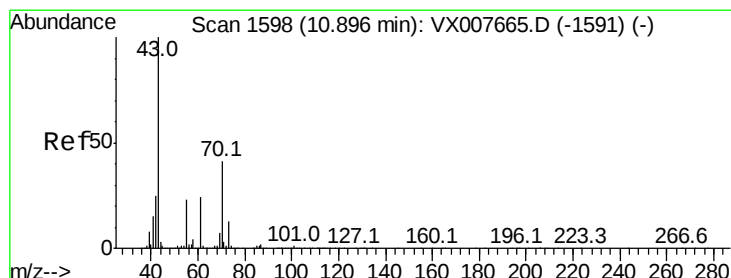
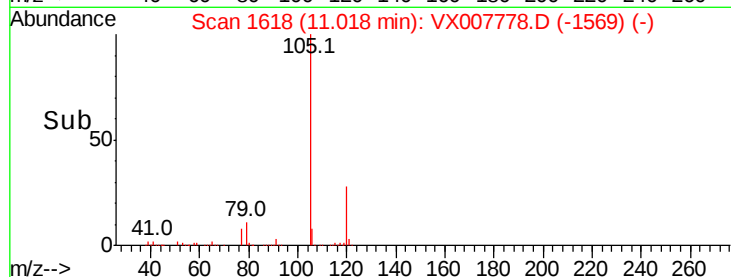
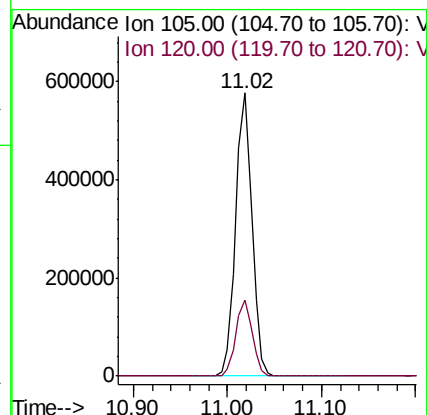
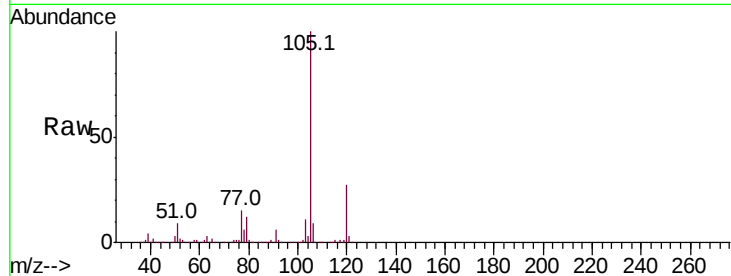
VSTDCCC050EC

Tot Ion:105 Resp: 697226

Ion Ratio Lower Upper

105 100

120 27.0 13.6 40.7



#74

N-ethyl acetate

Concen: 51.328 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX007778.D

Acq: 28 Feb 2019 20:25

Tgt Ion: 43 Resp: 316093

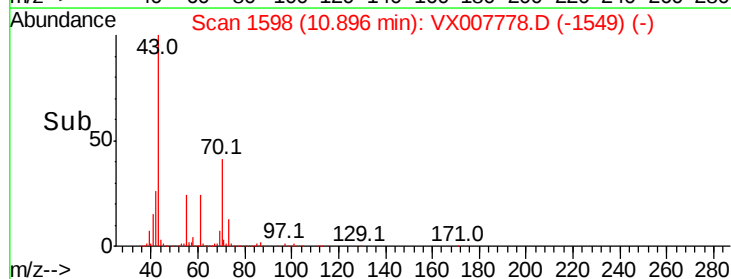
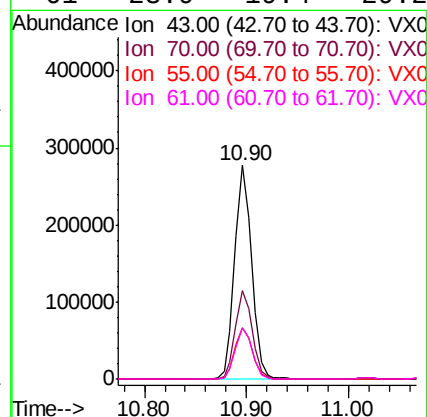
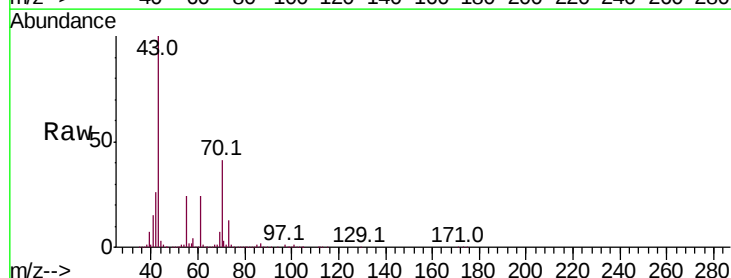
Ion Ratio Lower Upper

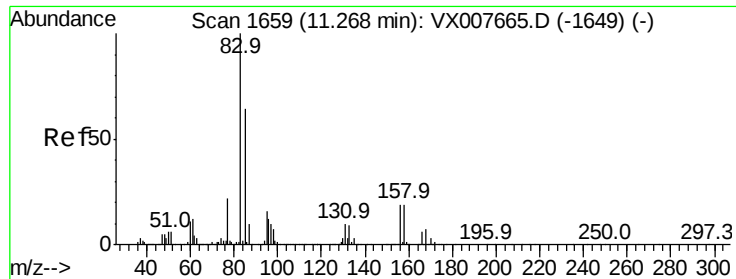
43 100

70 41.5 33.8 50.6

55 24.7 19.5 29.3

61 23.9 19.4 29.2





#75

1,1,2,2-Tetrachloroethane

Concen: 45.315 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX007778.D

Acq: 28 Feb 2019 20:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

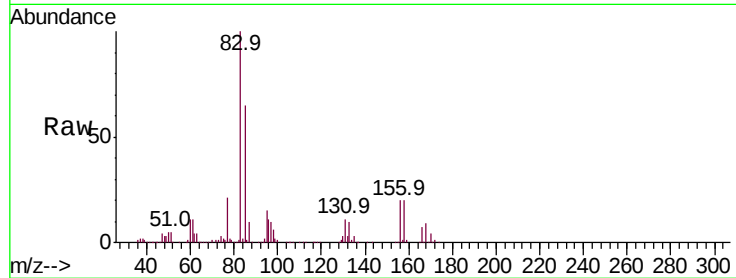
Tot Ion: 83 Resp: 222264

Ion Ratio Lower Upper

83 100

131 10.7 5.7 17.0

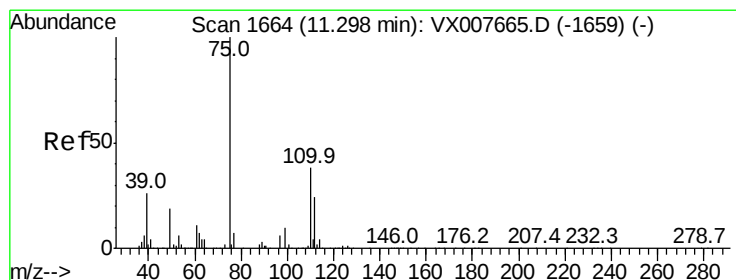
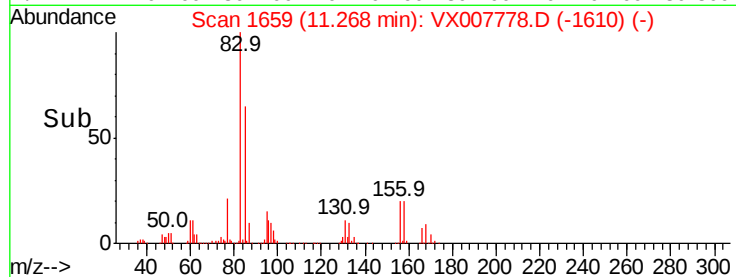
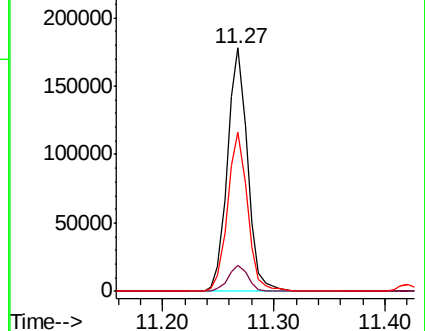
85 64.8 32.8 98.3



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: 62.388 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. -0.01 min

Lab File: VX007778.D

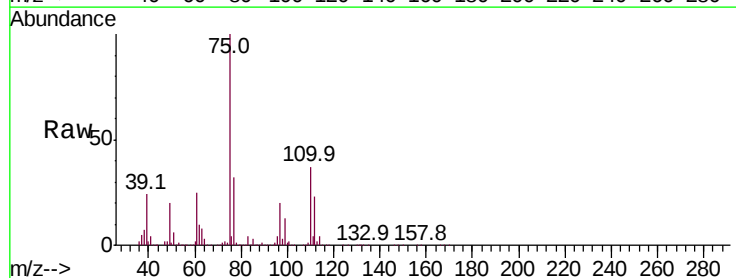
Acq: 28 Feb 2019 20:25

Tgt Ion: 75 Resp: 263864

Ion Ratio Lower Upper

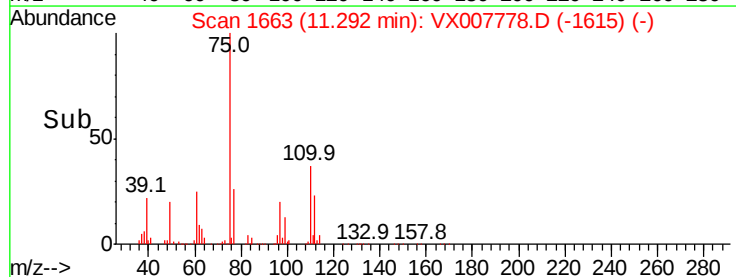
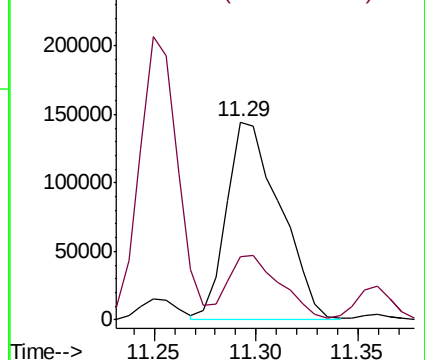
75 100

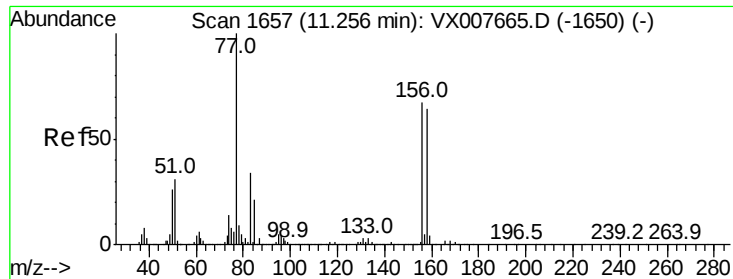
77 32.6 23.0 69.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 52.192 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX007778.D

Acq: 28 Feb 2019 20:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

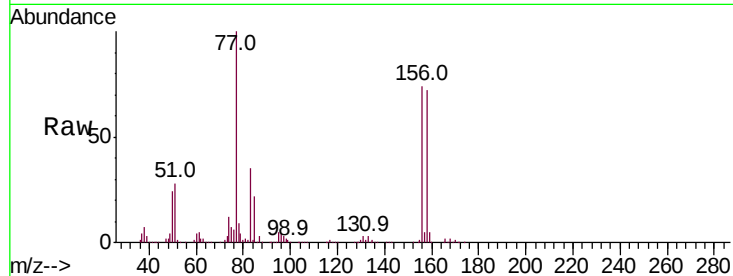
Tot Ion:156 Resp: 185645

Ion Ratio Lower Upper

156 100

77 144.2 66.8 200.6

158 97.6 47.9 143.8



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

250000

200000

150000

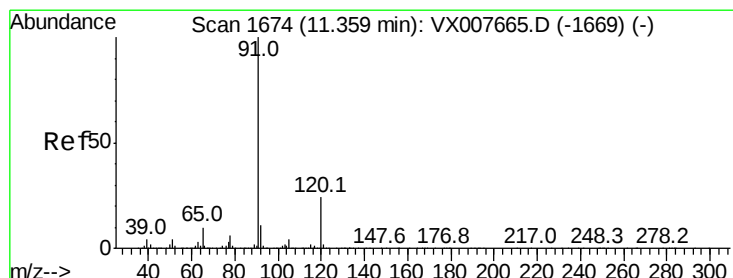
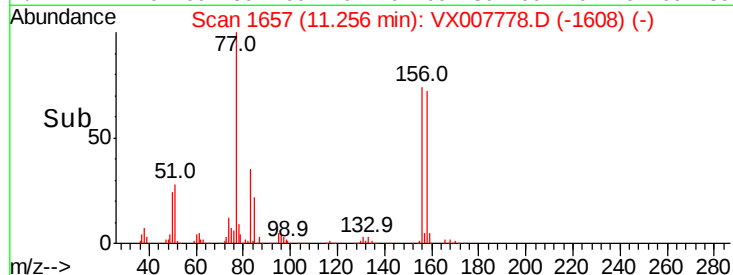
100000

50000

0

11.20 11.26 11.30

Time-->



#78

n-propylbenzene

Concen: 48.554 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX007778.D

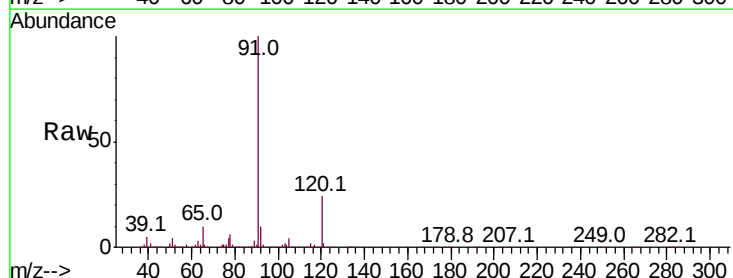
Acq: 28 Feb 2019 20:25

Tgt Ion: 91 Resp: 778074

Ion Ratio Lower Upper

91 100

120 24.1 12.4 37.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

600000

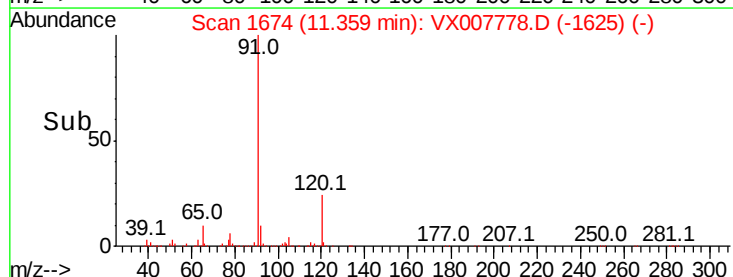
400000

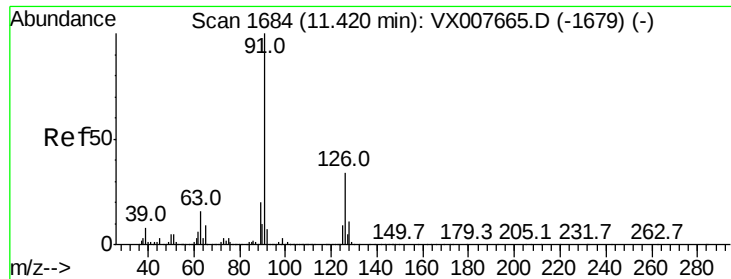
200000

0

11.30 11.35 11.40

Time-->





#79

2-Chlorotoluene

Concen: 47.771 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX007778.D

Acq: 28 Feb 2019 20:25

Instrument :

MSVOA_X

ClientSampleId :

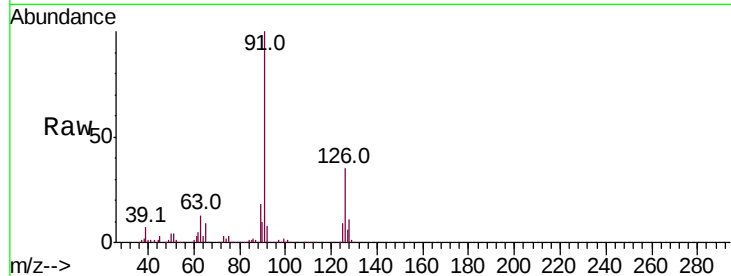
VSTDCCC050EC

Tot Ion: 91 Resp: 460939

Ion Ratio Lower Upper

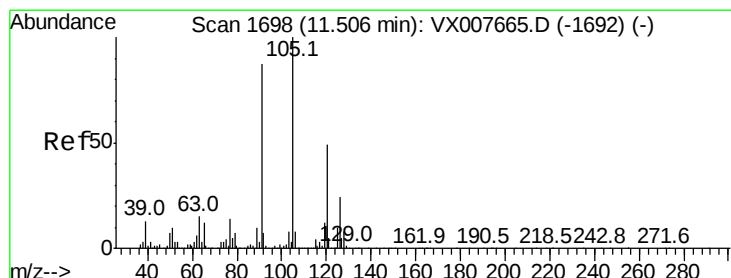
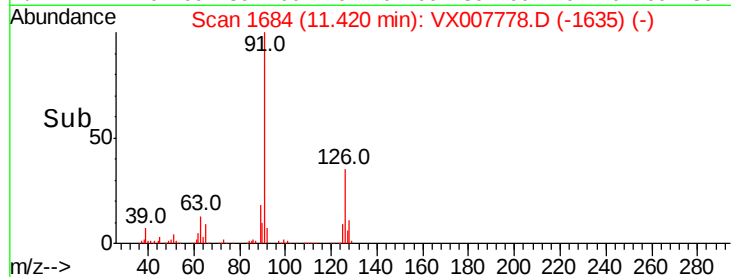
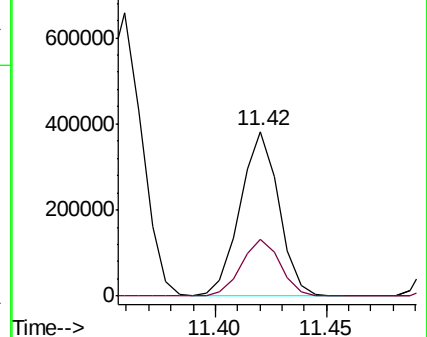
91 100

126 35.1 18.7 56.1



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 49.187 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX007778.D

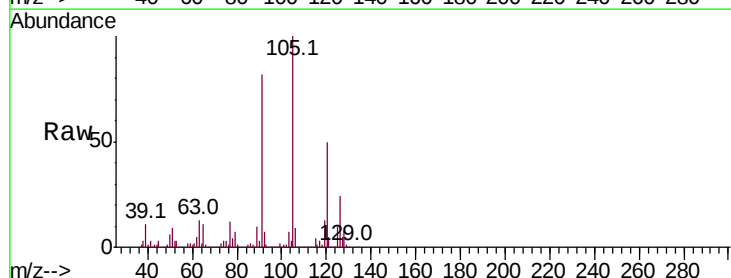
Acq: 28 Feb 2019 20:25

Tgt Ion: 105 Resp: 573761

Ion Ratio Lower Upper

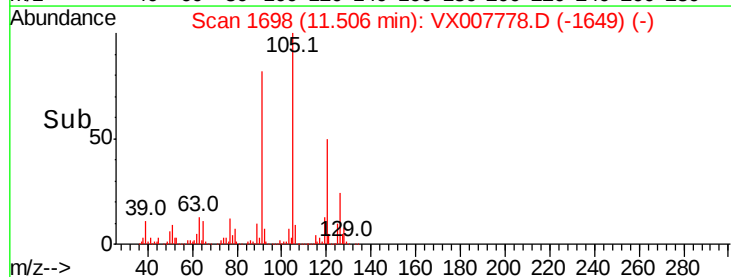
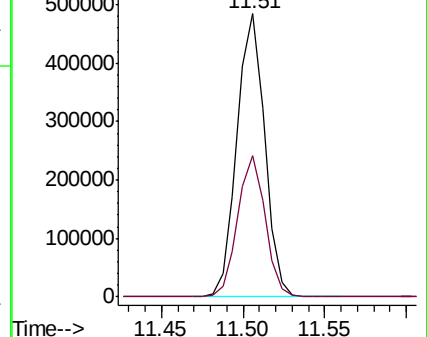
105 100

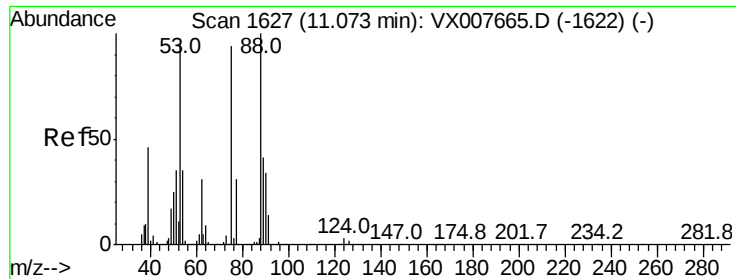
120 49.5 25.3 75.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 42.898 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX007778.D

Acq: 28 Feb 2019 20:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

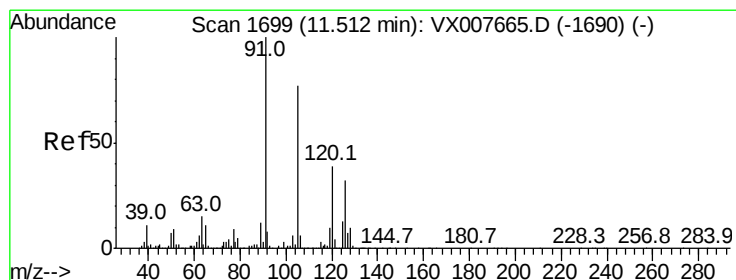
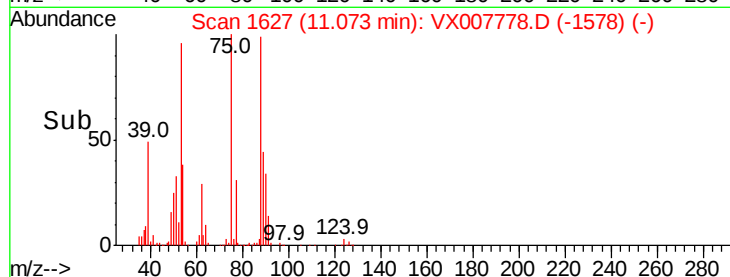
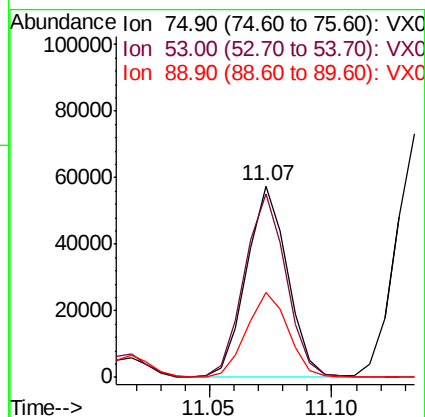
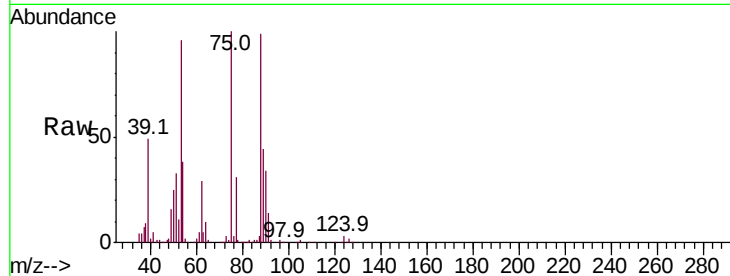
Tot Ion: 75 Resp: 66987

Ion Ratio Lower Upper

75 100

53 97.6 81.0 121.6

89 45.2 41.4 62.0



#82

4-Chlorotoluene

Concen: 47.236 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX007778.D

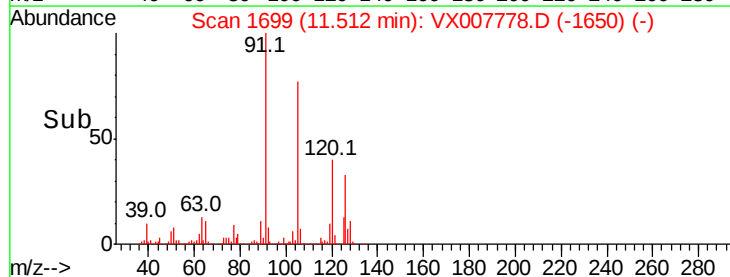
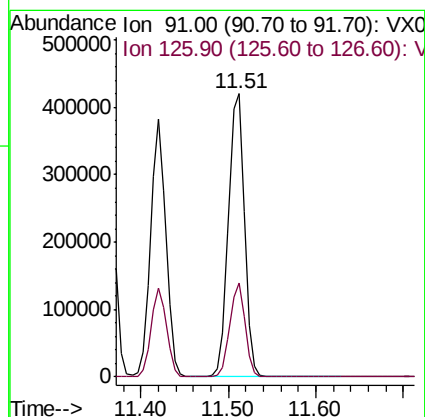
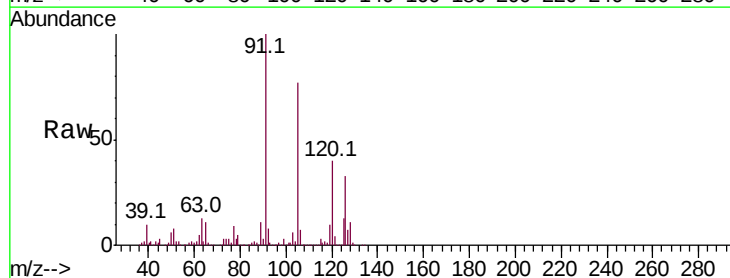
Acq: 28 Feb 2019 20:25

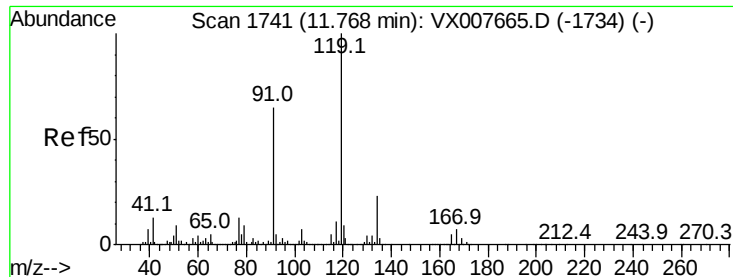
Tgt Ion: 91 Resp: 533186

Ion Ratio Lower Upper

91 100

126 31.4 16.2 48.5





#83

tert-Butylbenzene

Concen: 50.575 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX007778.D

Acq: 28 Feb 2019 20:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

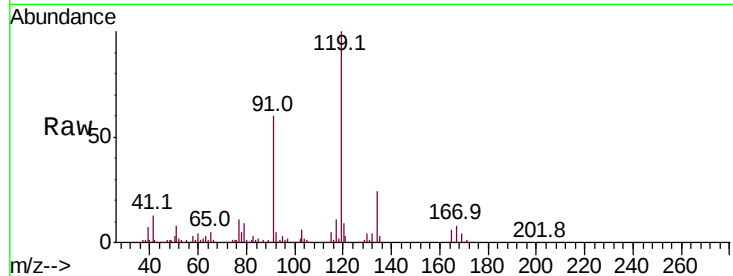
Tot Ion:119 Resp: 566428

Ion Ratio Lower Upper

119 100

91 56.1 28.5 85.6

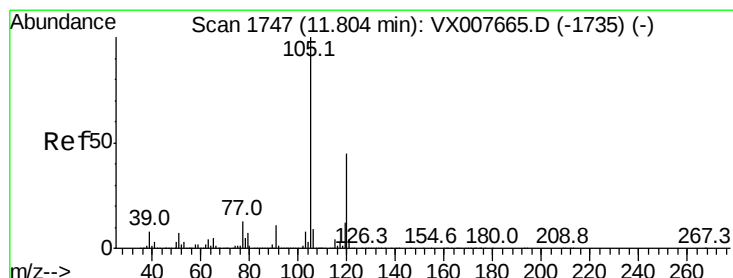
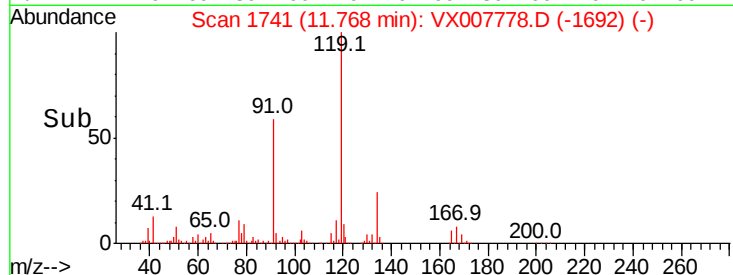
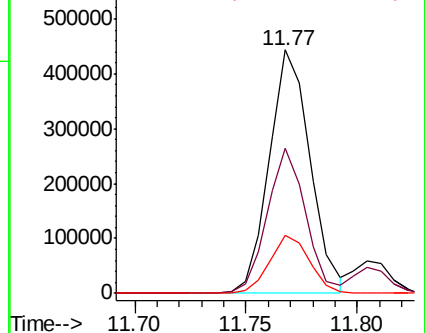
134 23.4 12.0 36.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 49.014 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX007778.D

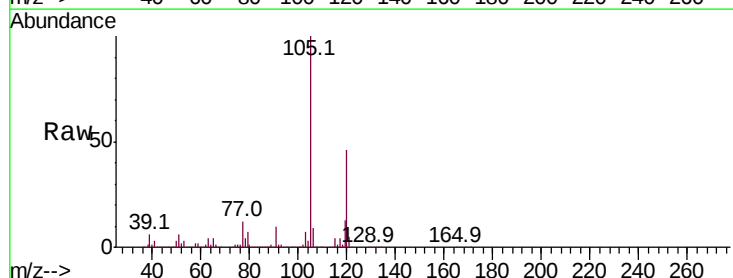
Acq: 28 Feb 2019 20:25

Tgt Ion:105 Resp: 584830

Ion Ratio Lower Upper

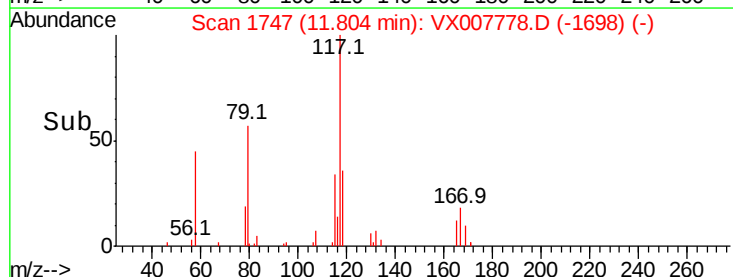
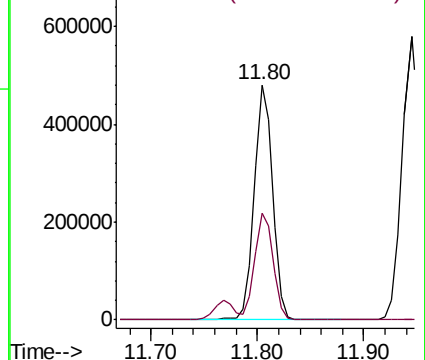
105 100

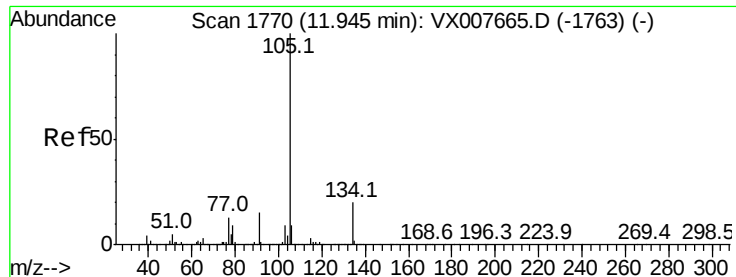
120 45.2 23.1 69.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 49.212 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX007778.D

Acq: 28 Feb 2019 20:25

Instrument :

MSVOA_X

ClientSampleId :

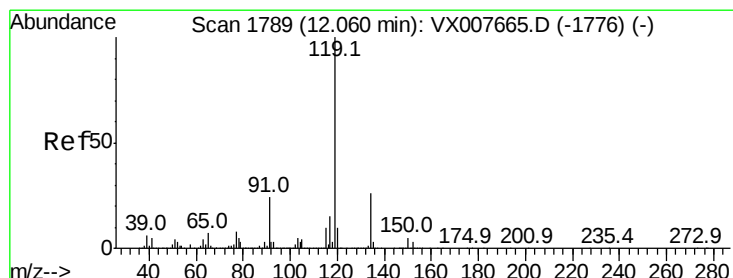
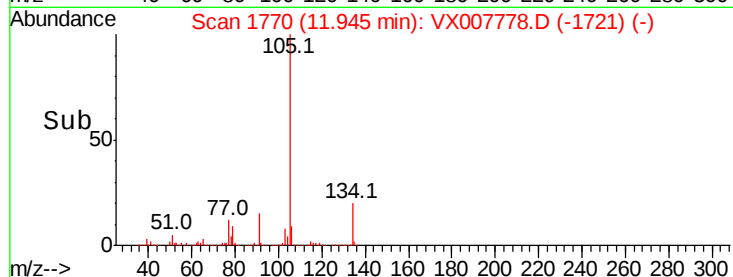
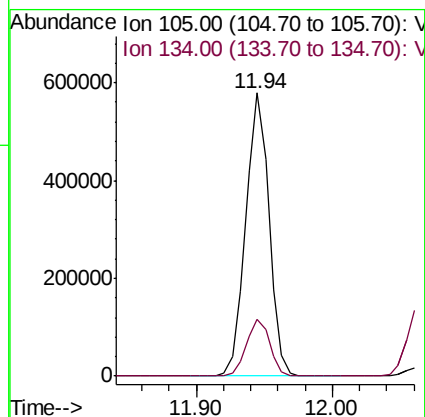
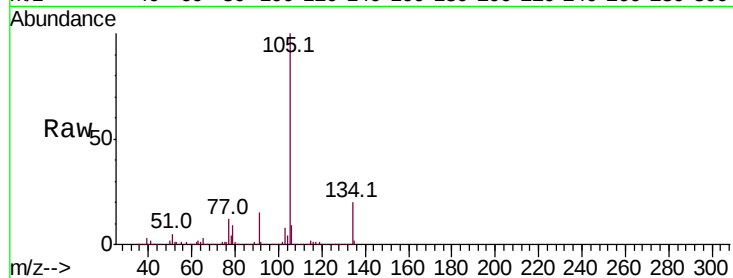
VSTDCCC050EC

Tot Ion:105 Resp: 690671

Ion Ratio Lower Upper

105 100

134 20.5 10.6 31.8



#86

p-Isopropyltoluene

Concen: 50.425 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX007778.D

Acq: 28 Feb 2019 20:25

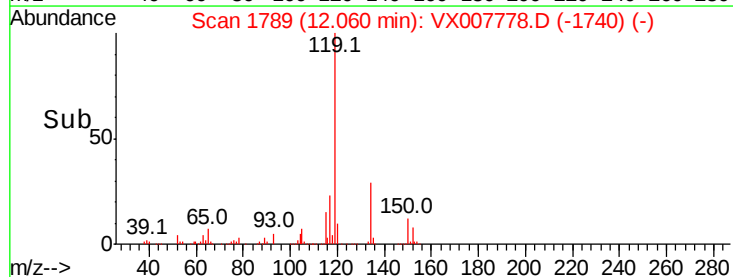
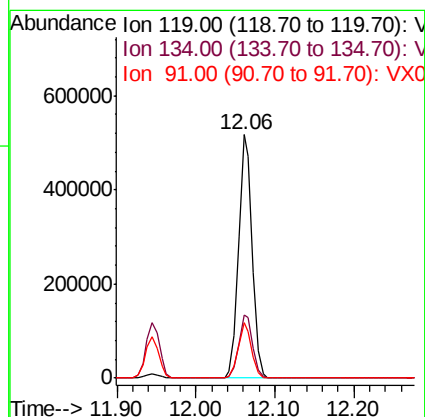
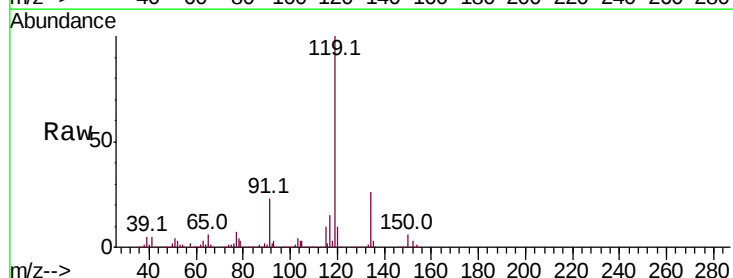
Tgt Ion:119 Resp: 619776

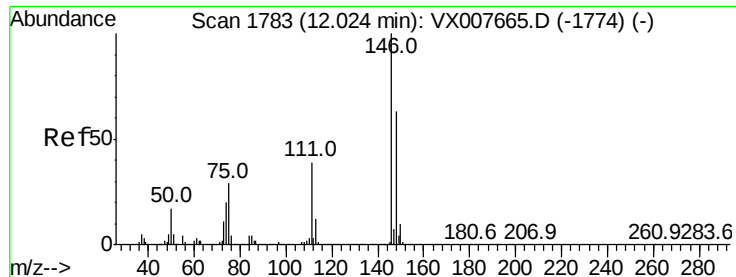
Ion Ratio Lower Upper

119 100

134 26.6 13.7 41.1

91 22.1 11.2 33.5





#87

1,3-Dichlorobenzene

Concen: 49.575 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.00 min

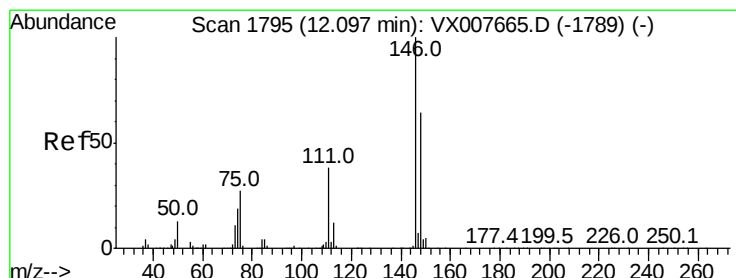
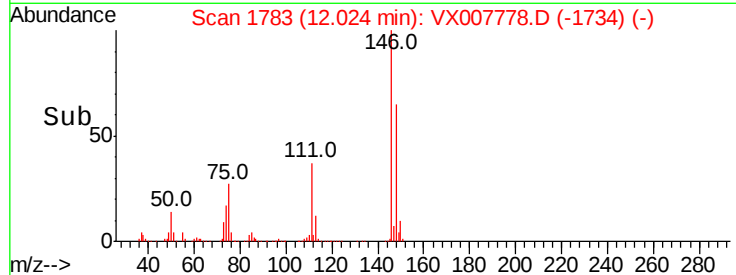
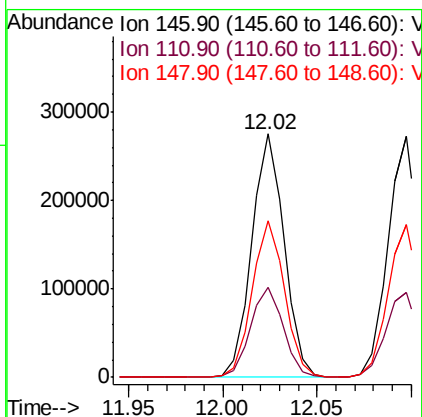
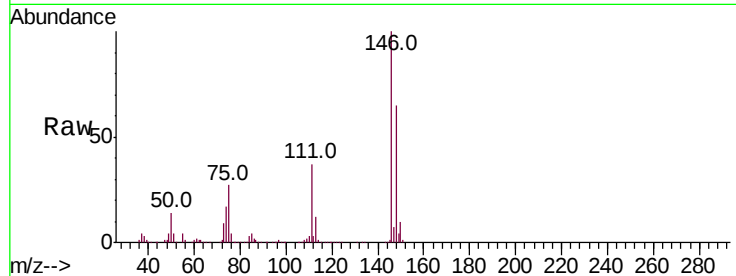
Lab File: VX007778.D

Acq: 28 Feb 2019 20:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:146 Resp: 327082

Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.1	54.1
148	64.5	32.0	96.2



#88

1,4-Dichlorobenzene

Concen: 48.533 ug/l

RT: 12.10 min Scan# 1795

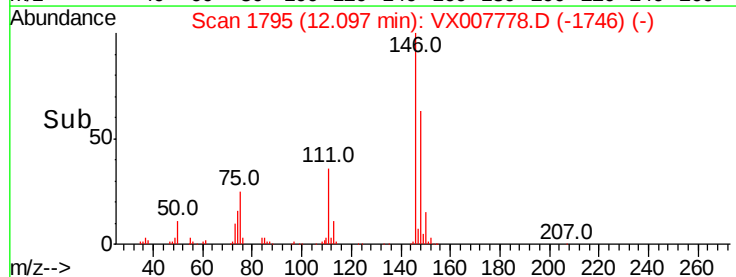
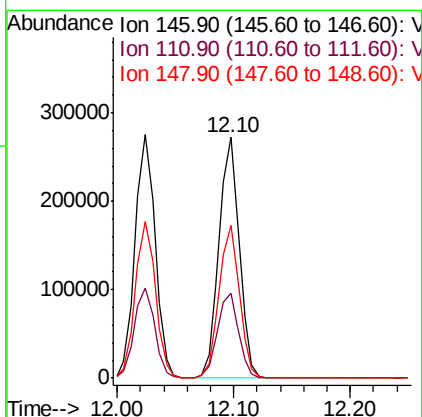
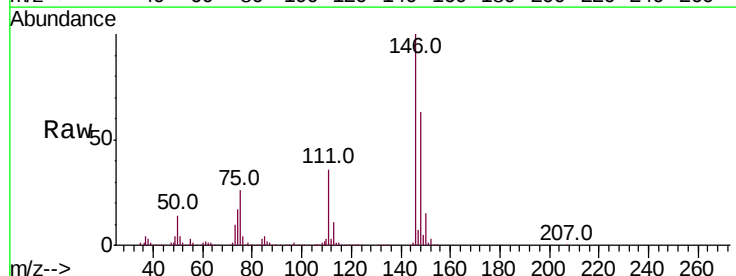
Delta R.T. 0.00 min

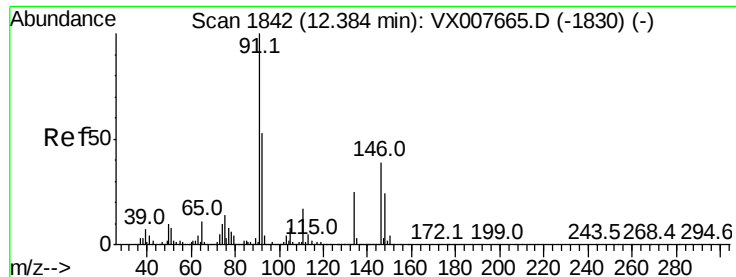
Lab File: VX007778.D

Acq: 28 Feb 2019 20:25

Tgt Ion:146 Resp: 327941

Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.1	54.1
148	63.7	32.3	96.9





#89

n-Butylbenzene

Concen: 47.600 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. 0.00 min

Lab File: VX007778.D

Acq: 28 Feb 2019 20:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

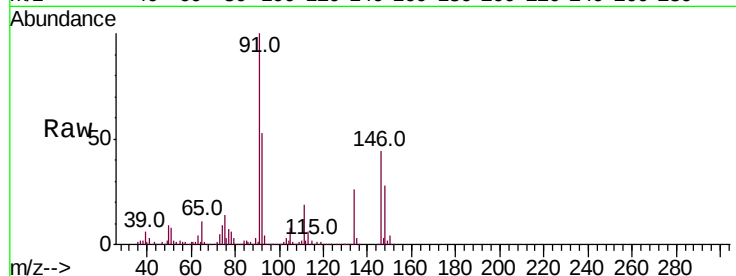
Tot Ion: 91 Resp: 521765

Ion Ratio Lower Upper

91 100

92 52.9 26.3 78.9

134 27.3 13.9 41.6



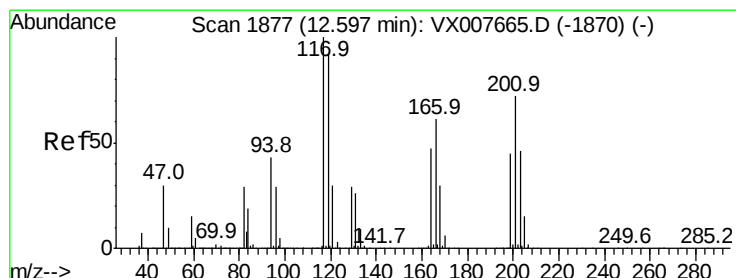
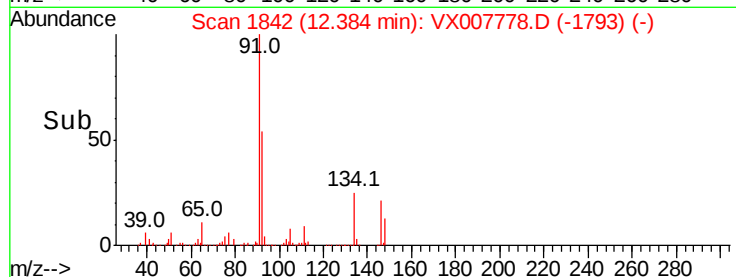
Abundance Ion 91.00 (90.70 to 91.70): VX007665.D (-1830) (-)

Ion 92.00 (91.70 to 92.70): VX007665.D (-1830) (-)

Ion 134.00 (133.70 to 134.70): VX007665.D (-1830) (-)

12.38

Time-->



#90

Hexachloroethane

Concen: 48.065 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX007778.D

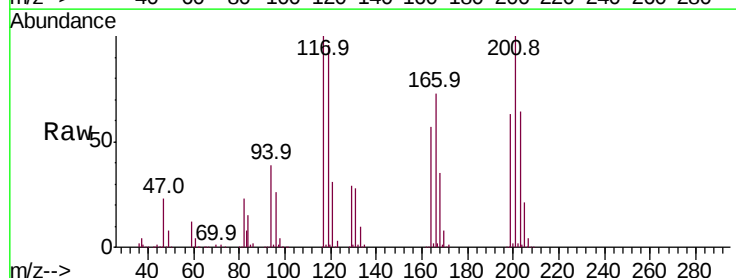
Acq: 28 Feb 2019 20:25

Tgt Ion: 117 Resp: 99540

Ion Ratio Lower Upper

117 100

201 97.9 44.9 134.7

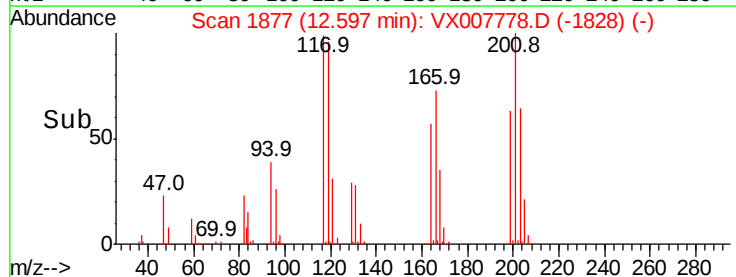


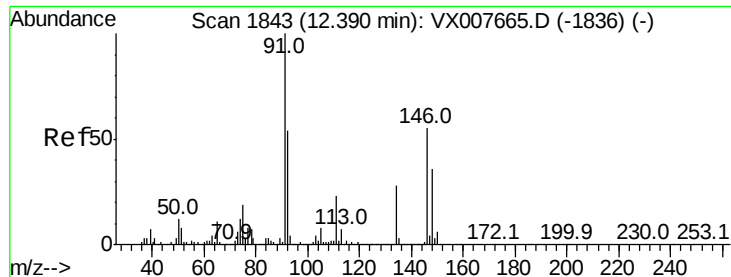
Abundance Ion 116.80 (116.50 to 117.50): VX007665.D (-1870) (-)

Ion 200.70 (200.40 to 201.40): VX007665.D (-1870) (-)

12.60

Time-->





#91

1,2-Dichlorobenzene

Concen: 49.279 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX007778.D

Acq: 28 Feb 2019 20:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

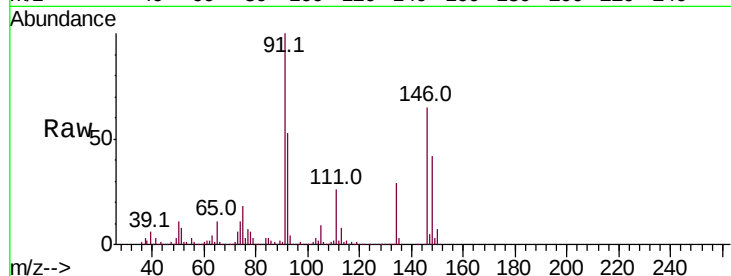
Tot Ion:146 Resp: 325317

Ion Ratio Lower Upper

146 100

111 39.1 19.1 57.3

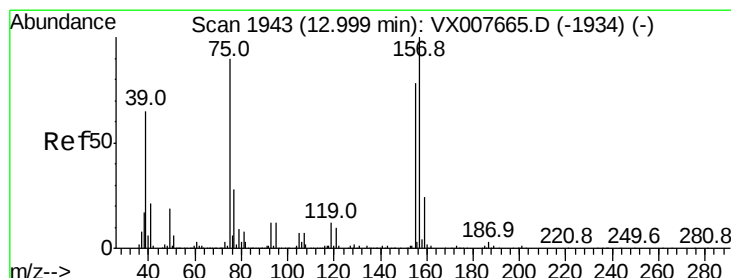
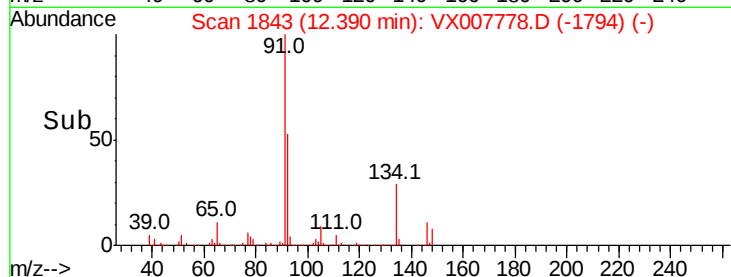
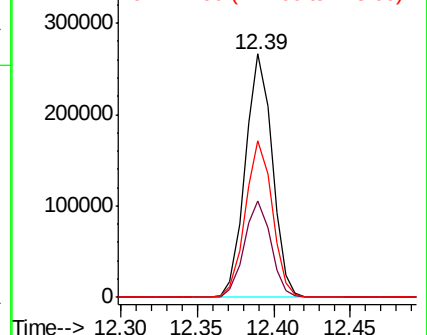
148 64.1 32.1 96.3



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: 45.618 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX007778.D

Acq: 28 Feb 2019 20:25

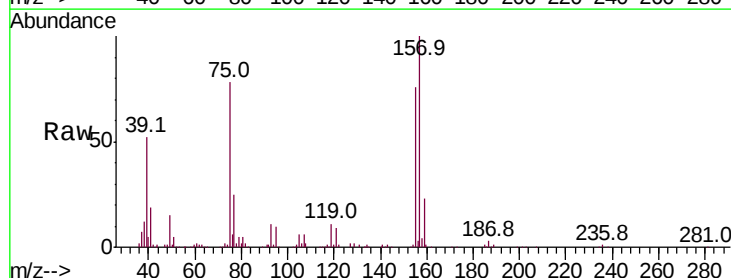
Tgt Ion: 75 Resp: 48752

Ion Ratio Lower Upper

75 100

155 96.0 49.6 149.0

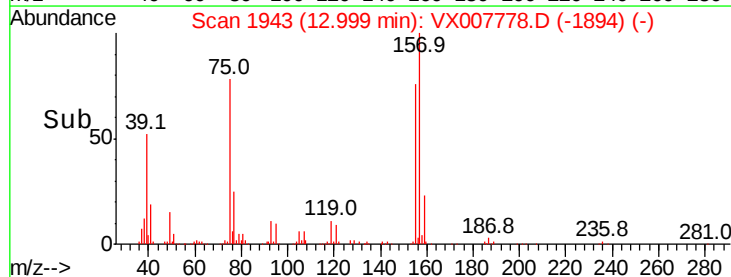
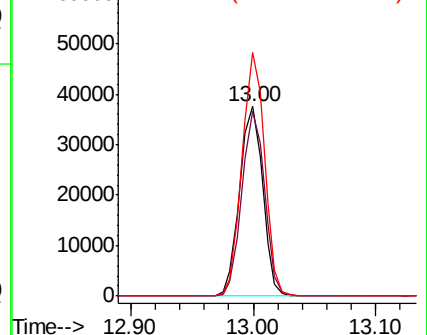
157 125.8 65.1 195.3

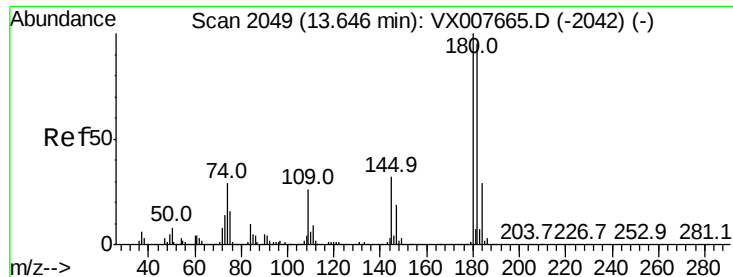


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

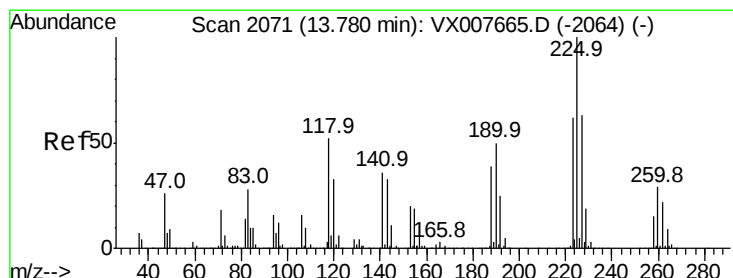
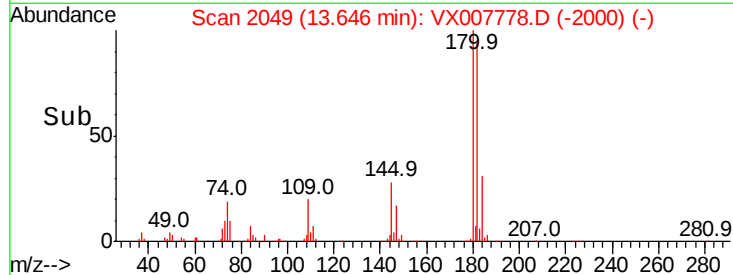
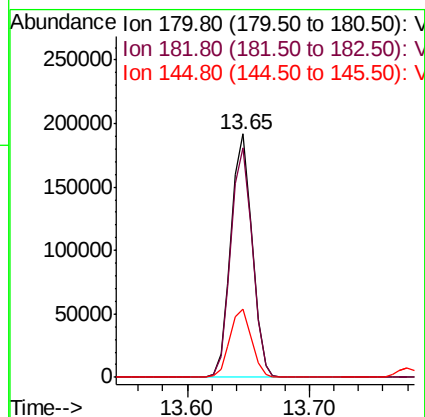
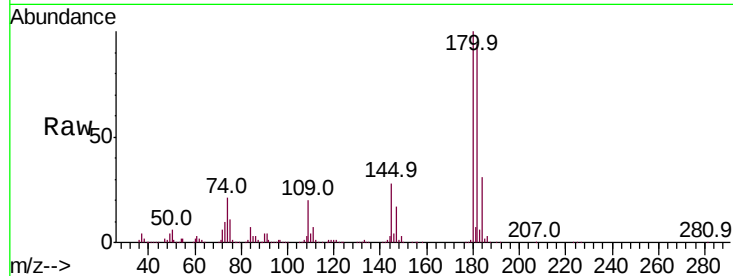




#93
 1,2,4-Trichlorobenzene
 Concen: 57.134 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX007778.D
 Acq: 28 Feb 2019 20:25

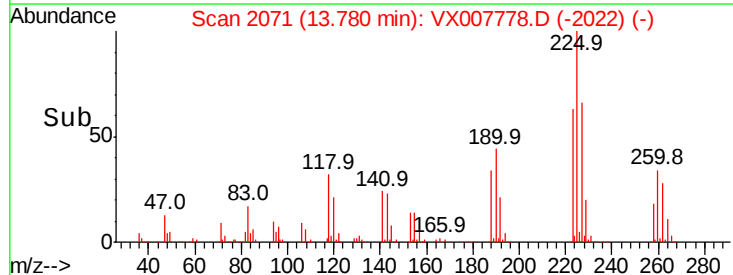
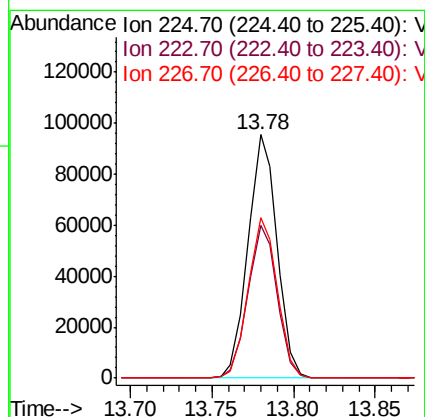
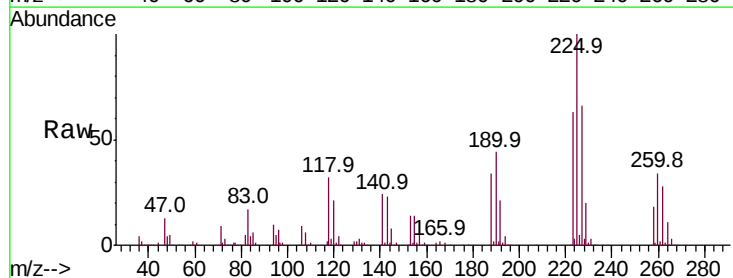
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

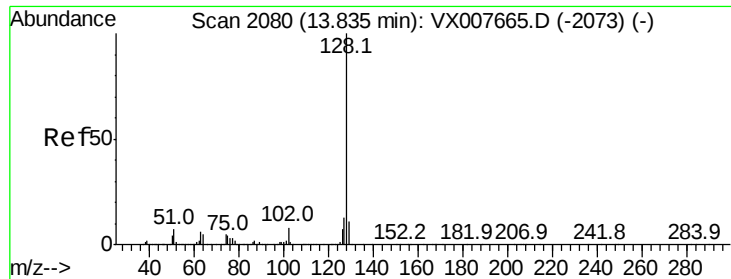
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.8	143.3
145	28.5	14.1	42.2



#94
 Hexachlorobutadiene
 Concen: 64.470 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX007778.D
 Acq: 28 Feb 2019 20:25

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	31.6	94.8
227	65.6	32.1	96.3





#95

Naphthalene

Concen: 52.337 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX007778.D

Acq: 28 Feb 2019 20:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

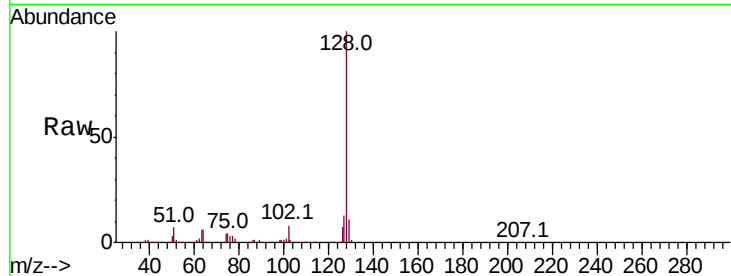
Tot Ion:128 Resp: 683283

Ion Ratio Lower Upper

128 100

127 13.0 10.5 15.7

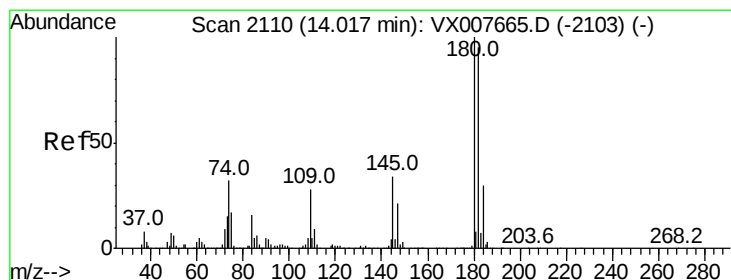
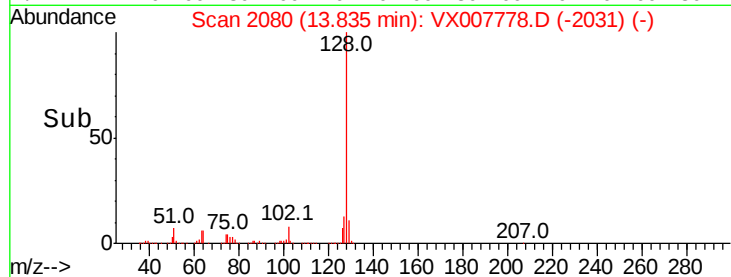
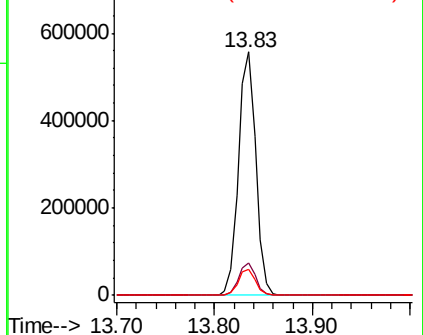
129 10.7 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 56.778 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX007778.D

Acq: 28 Feb 2019 20:25

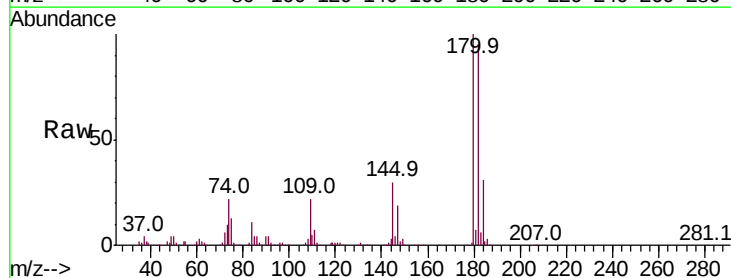
Tgt Ion:180 Resp: 229733

Ion Ratio Lower Upper

180 100

182 95.7 47.5 142.6

145 29.8 14.9 44.5



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

