

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX042919\
 Data File : VX009198.D
 Acq On : 29 Apr 2019 10:26
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: Apr 30 07:14:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:03:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	214176	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	340013	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	307020	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	154666	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	127593	43.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.28%	
35) Dibromofluoromethane	5.49	113	96228	45.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.04%	
50) Toluene-d8	8.71	98	383108	44.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.80%	
62) 4-Bromofluorobenzene	11.13	95	143886	45.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	127604	64.653	ug/l	100
3) Chloromethane	1.32	50	149817	55.600	ug/l	99
4) Vinyl Chloride	1.41	62	145934	55.540	ug/l	99
5) Bromomethane	1.64	94	83236	52.779	ug/l	99
6) Chloroethane	1.71	64	88740	52.603	ug/l	99
7) Trichlorofluoromethane	1.93	101	175825	55.050	ug/l	99
8) Diethyl Ether	2.19	74	78870	52.132	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	111701	55.692	ug/l	99
10) Methyl Iodide	2.51	142	109814	47.387	ug/l	100
11) Tert butyl alcohol	3.04	59	170325	251.670	ug/l	100
12) 1,1-Dichloroethene	2.37	96	108228	53.856	ug/l	94
13) Acrolein	2.29	56	140368	229.018	ug/l	100
14) Allyl chloride	2.73	41	260312	53.153	ug/l	100
15) Acrylonitrile	3.14	53	421257	254.571	ug/l	99
16) Acetone	2.44	43	415973	264.961	ug/l	99
17) Carbon Disulfide	2.57	76	314684	55.775	ug/l	99
18) Methyl Acetate	2.77	43	195390	52.332	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	421136	53.966	ug/l	100
20) Methylene Chloride	2.85	84	131637	51.786	ug/l	99
21) trans-1,2-Dichloroethene	3.16	96	117088	53.725	ug/l	99
22) Diisopropyl ether	3.85	45	504203	53.535	ug/l	95
23) Vinyl Acetate	3.81	43	2233438	276.932	ug/l	100
24) 1,1-Dichloroethane	3.70	63	246748	53.108	ug/l	99
25) 2-Butanone	4.67	43	644121	264.023	ug/l	99
26) 2,2-Dichloropropane	4.58	77	193325	55.902	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	138246	53.144	ug/l	99
28) Bromochloromethane	5.01	49	92668	49.521	ug/l	99
29) Tetrahydrofuran	5.12	42	403847	257.244	ug/l	100
30) Chloroform	5.21	83	223526	53.194	ug/l	100
31) Cyclohexane	5.57	56	242210	56.033	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	188717	53.949	ug/l	99
36) 1,1-Dichloropropene	5.79	75	175571	55.564	ug/l	99
37) Ethyl Acetate	4.83	43	233754	53.095	ug/l	99
38) Carbon Tetrachloride	5.78	117	158988	55.380	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	226277	58.311	ug/l	99
40) Benzene	6.14	78	532031	54.405	ug/l	98
41) Methacrylonitrile	5.04	41	133670	51.006	ug/l	99
42) 1,2-Dichloroethane	6.19	62	187455	53.438	ug/l	100
43) Isopropyl Acetate	6.44	43	379113	53.836	ug/l	99
44) Trichloroethene	7.21	130	129125	54.619	ug/l	98
45) 1,2-Dichloropropane	7.51	63	151236	54.617	ug/l	98
46) Dibromomethane	7.66	93	85765	53.337	ug/l	99
47) Bromodichloromethane	7.90	83	178097	55.525	ug/l	100
48) Methyl methacrylate	7.77	41	190919	54.646	ug/l	100
49) 1,4-Dioxane	7.74	88	69621	982.618	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	1218271	264.678	ug/l	100
52) Toluene	8.78	92	325599	54.774	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	209620	57.885	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	228335	56.966	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	129093	53.231	ug/l	97
56) Ethyl methacrylate	9.18	69	239486	55.321	ug/l	100
57) 1,3-Dichloropropane	9.37	76	229236	53.715	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	596548	259.761	ug/l	99
59) 2-Hexanone	9.49	43	960690	265.750	ug/l	100
60) Dibromochloromethane	9.58	129	133976	56.563	ug/l	99
61) 1,2-Dibromoethane	9.67	107	133800	54.656	ug/l	100
64) Tetrachloroethene	9.34	164	116342	55.243	ug/l	99
65) Chlorobenzene	10.13	112	336784	54.835	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	123166	55.314	ug/l	100
67) Ethyl Benzene	10.25	91	629300	55.674	ug/l	100
68) m/p-Xylenes	10.36	106	462707	112.021	ug/l	98
69) o-Xylene	10.69	106	225352	55.296	ug/l	100
70) Styrene	10.71	104	397017	56.049	ug/l	99
71) Bromoform	10.85	173	102023	56.382	ug/l #	99
73) Isopropylbenzene	11.02	105	605896	53.871	ug/l	99
74) N-amyl acetate	10.90	43	350165	53.402	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	214869	51.248	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	257171	71.681	ug/l	81
77) Bromobenzene	11.26	156	146256	52.392	ug/l	99
78) n-propylbenzene	11.36	91	714340	55.613	ug/l	99
79) 2-Chlorotoluene	11.42	91	419541	52.942	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	519725	54.880	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	77779	55.470	ug/l	97
82) 4-Chlorotoluene	11.51	91	486243	54.314	ug/l	99
83) tert-Butylbenzene	11.77	119	494779	53.708	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	522269	54.943	ug/l	99
85) sec-Butylbenzene	11.94	105	598298	54.779	ug/l	99
86) p-Isopropyltoluene	12.06	119	550686	56.084	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	269156	54.085	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	269582	53.731	ug/l	99
89) n-Butylbenzene	12.38	91	516430	58.191	ug/l	100
90) Hexachloroethane	12.60	117	93491	55.888	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	269724	53.213	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	51585	54.845	ug/l	98

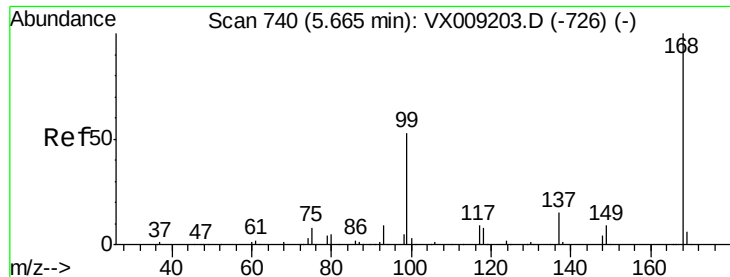
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX042919\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	202088	58.302	ug/l	100
94) Hexachlorobutadiene	13.78	225	101536	57.363	ug/l	100
95) Naphthalene	13.83	128	637595	56.539	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	202298	57.576	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009198.D

Acq: 29 Apr 2019 10:26

Instrument :

MSVOA_X

ClientSampleId :

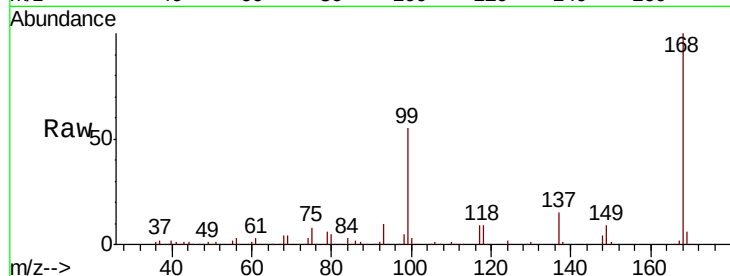
VSTDCCC050

Tgt Ion:168 Resp: 214176

Ion Ratio Lower Upper

168 100

99 54.5 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

60000

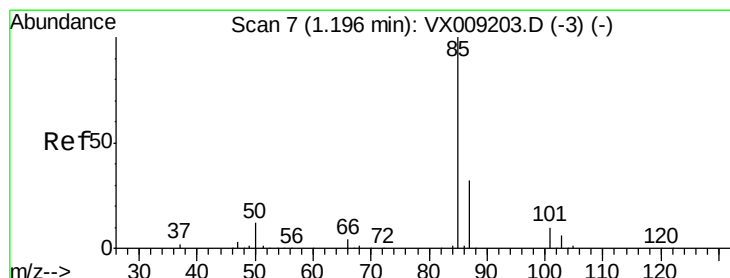
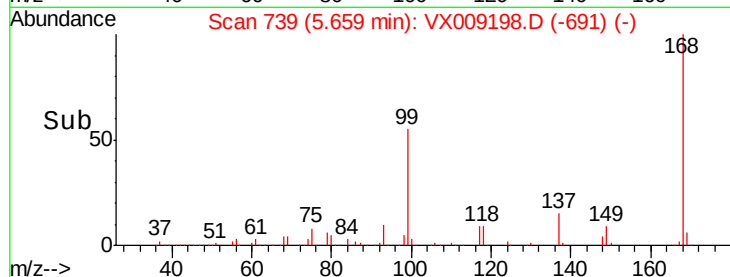
40000

20000

0

5.50 5.60 5.70 5.80 5.90

Time-->



#2

Dichlorodifluoromethane

Concen: 64.653 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX009198.D

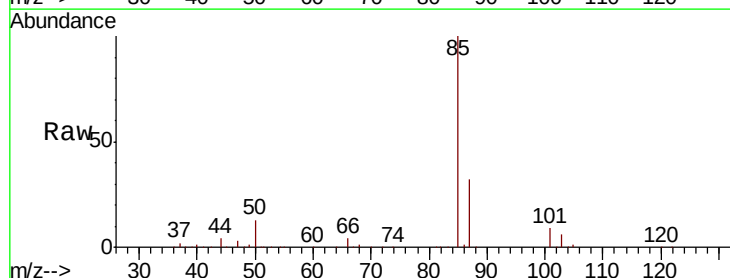
Acq: 29 Apr 2019 10:26

Tgt Ion: 85 Resp: 127604

Ion Ratio Lower Upper

85 100

87 32.3 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

120000

100000

80000

60000

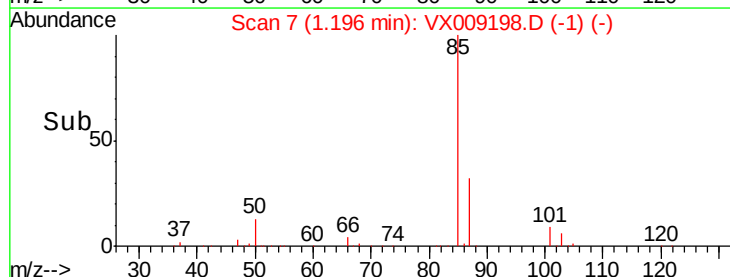
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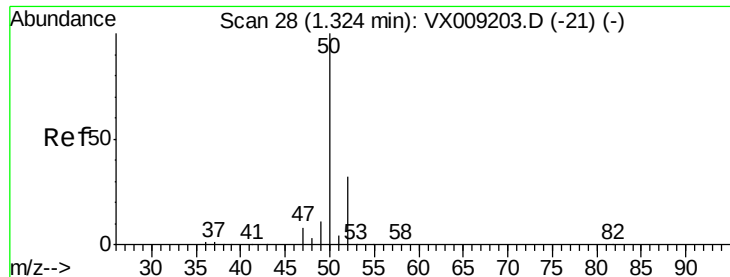
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1.15 1.20 1.25 1.30 1.35

Time-->

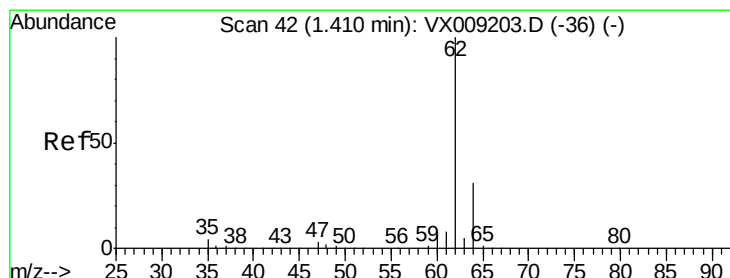
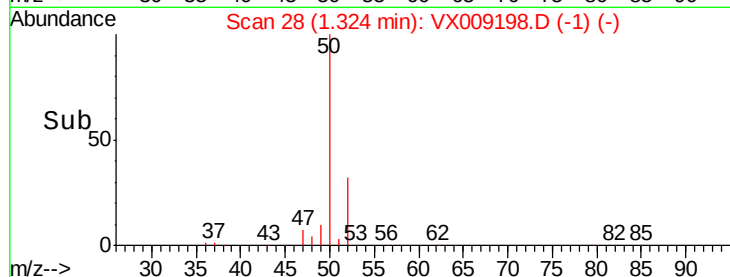
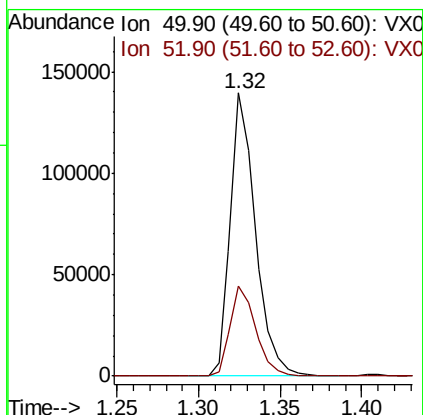
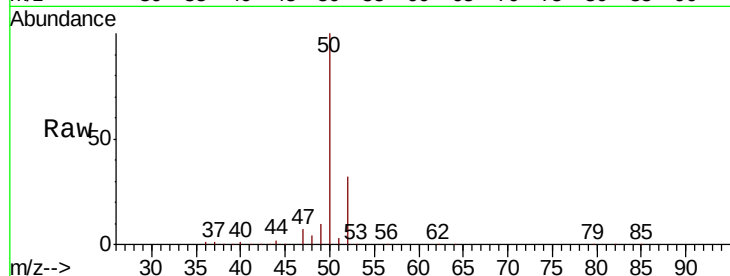




#3
Chloromethane
Concen: 55.600 ug/l
RT: 1.32 min Scan# 28
Delta R.T. -0.00 min
Lab File: VX009198.D
Acq: 29 Apr 2019 10:26

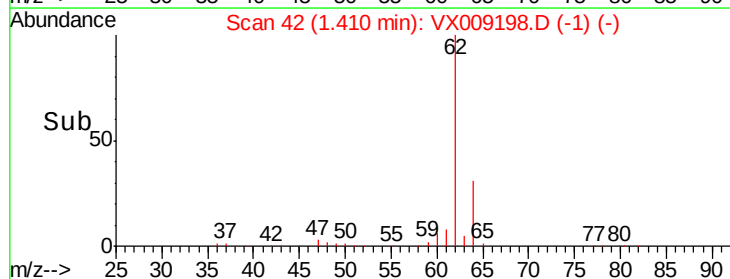
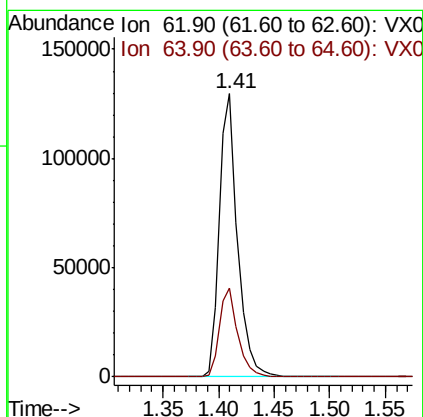
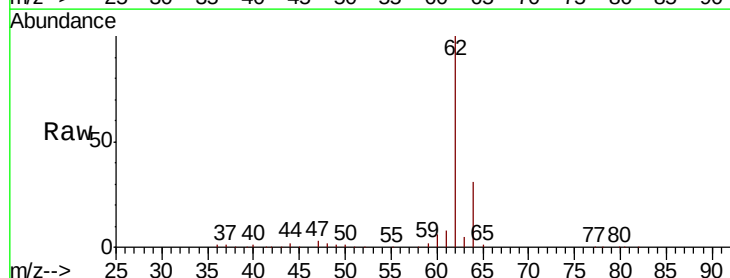
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

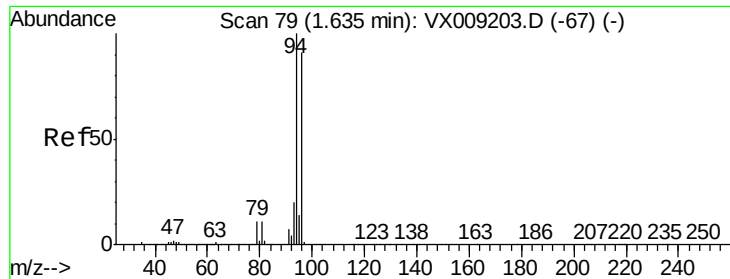
Tgt Ion: 50 Resp: 149817
Ion Ratio Lower Upper
50 100
52 31.7 25.9 38.9



#4
Vinyl Chloride
Concen: 55.540 ug/l
RT: 1.41 min Scan# 42
Delta R.T. -0.00 min
Lab File: VX009198.D
Acq: 29 Apr 2019 10:26

Tgt Ion: 62 Resp: 145934
Ion Ratio Lower Upper
62 100
64 31.4 24.6 36.8





#5

Bromomethane

Concen: 52.779 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX009198.D

Acq: 29 Apr 2019 10:26

Instrument :

MSVOA_X

ClientSampleId :

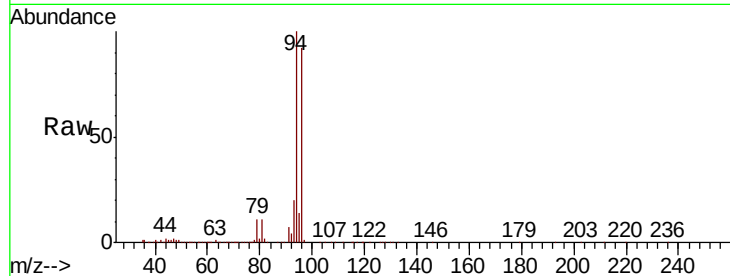
VSTDCCC050

Tgt Ion: 94 Resp: 83236

Ion Ratio Lower Upper

94 100

96 91.9 73.0 109.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

80000

60000

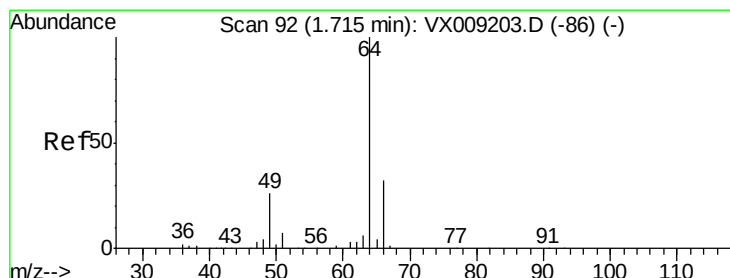
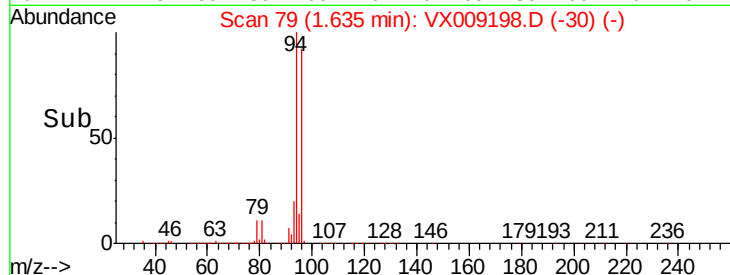
40000

20000

0

Time-->

1.55 1.60 1.65 1.70



#6

Chloroethane

Concen: 52.603 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.00 min

Lab File: VX009198.D

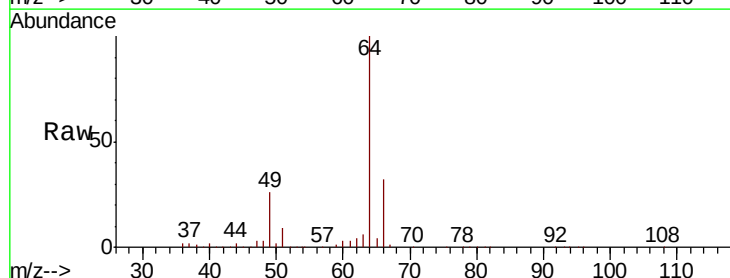
Acq: 29 Apr 2019 10:26

Tgt Ion: 64 Resp: 88740

Ion Ratio Lower Upper

64 100

66 32.0 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.71

60000

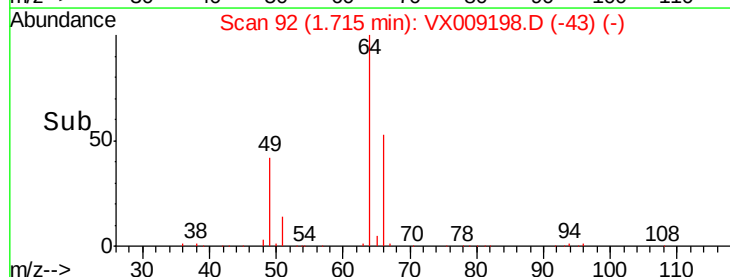
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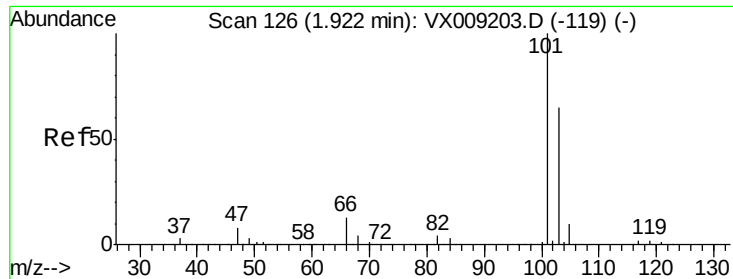
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Time-->

1.65 1.70 1.75 1.80 1.85



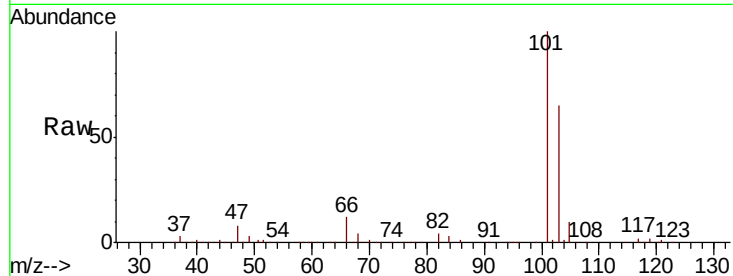


#7

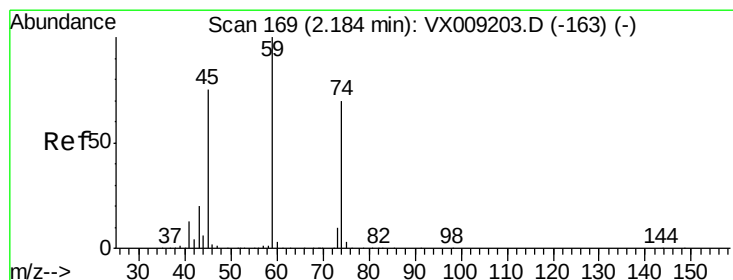
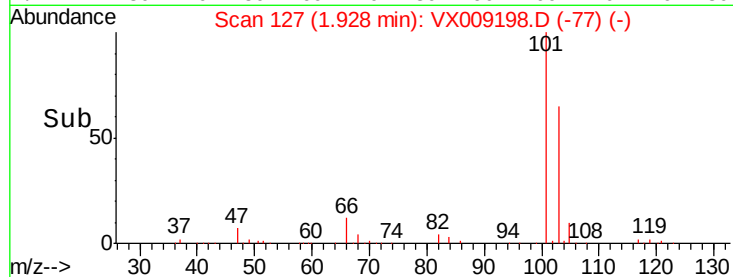
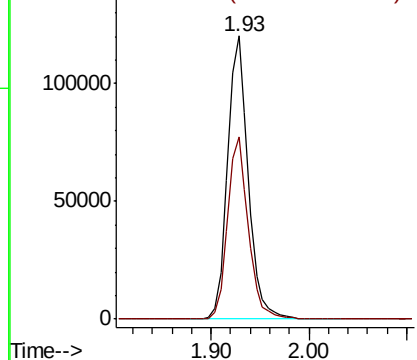
Trichlorofluoromethane
Concen: 55.050 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.01 min
Lab File: VX009198.D
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Tgt Ion: 101 Resp: 175825
Ion Ratio Lower Upper
101 100
103 64.5 52.4 78.6



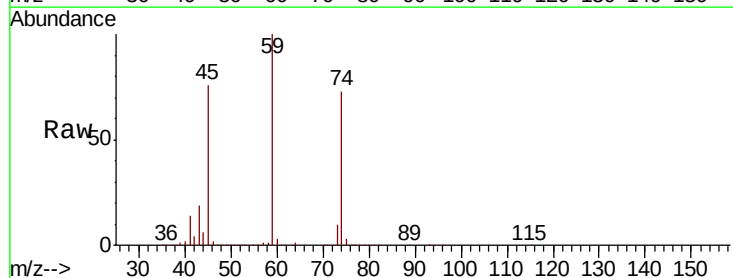
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



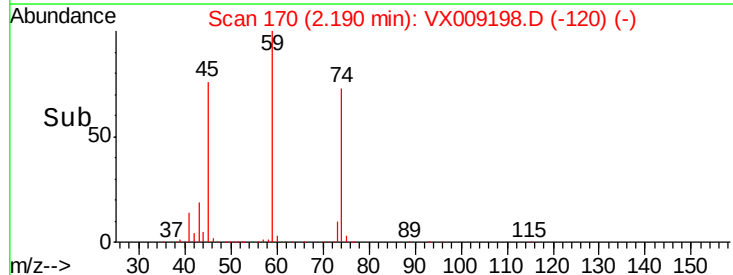
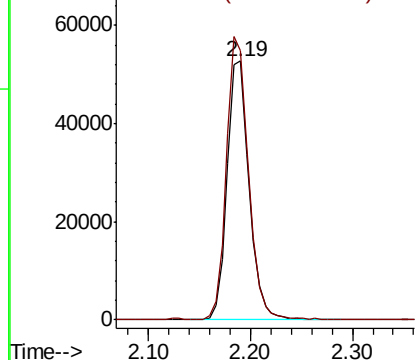
#8

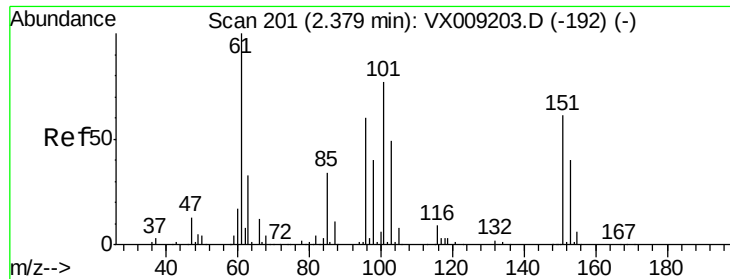
Diethyl Ether
Concen: 52.132 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX009198.D
Acq: 29 Apr 2019 10:26

Tgt Ion: 74 Resp: 78870
Ion Ratio Lower Upper
74 100
45 108.3 53.3 159.9



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 55.692 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX009198.D

Acq: 29 Apr 2019 10:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

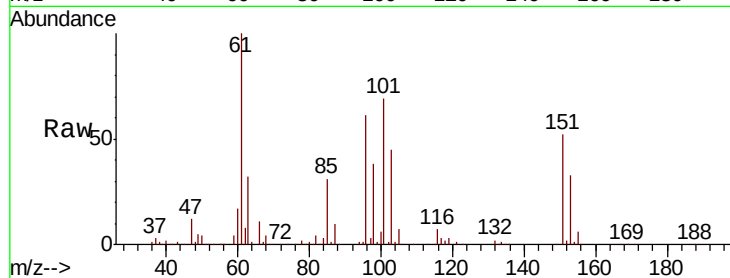
Tgt Ion:101 Resp: 111701

Ion Ratio Lower Upper

101 100

85 43.3 35.7 53.5

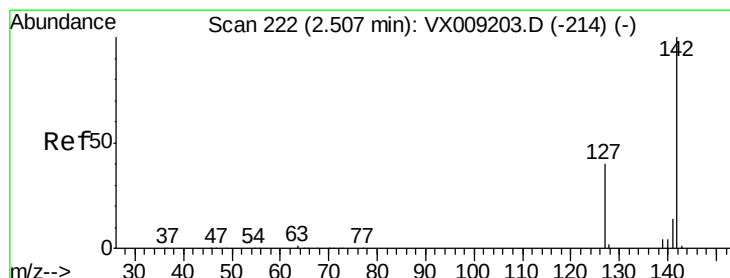
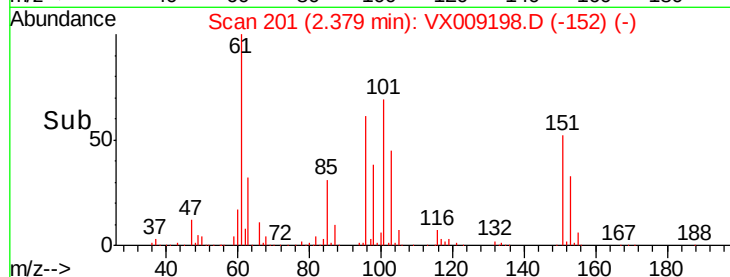
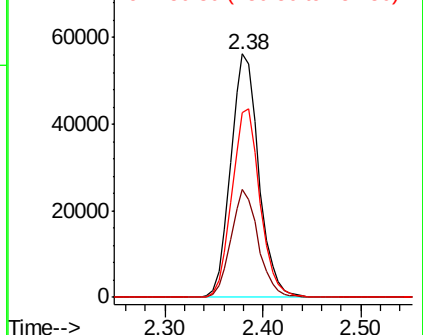
151 77.9 62.2 93.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 47.387 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX009198.D

Acq: 29 Apr 2019 10:26

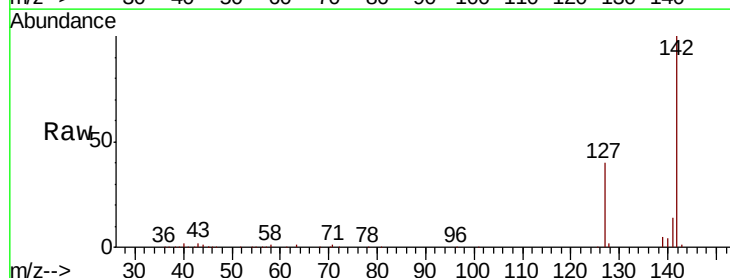
Tgt Ion:142 Resp: 109814

Ion Ratio Lower Upper

142 100

127 40.8 32.7 49.1

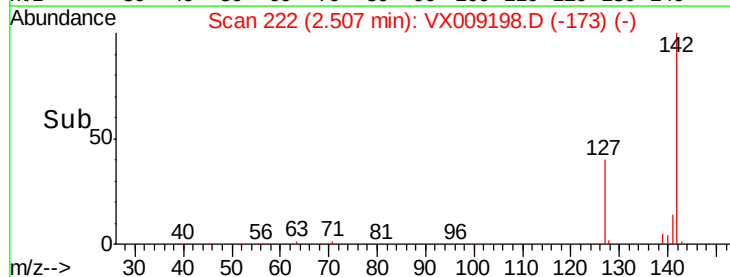
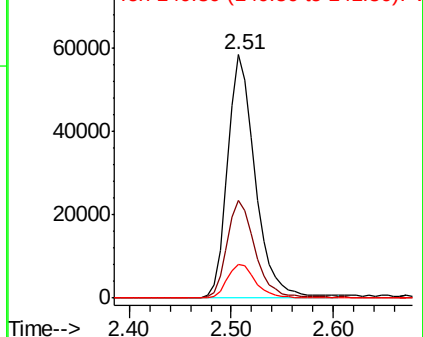
141 14.6 11.5 17.3

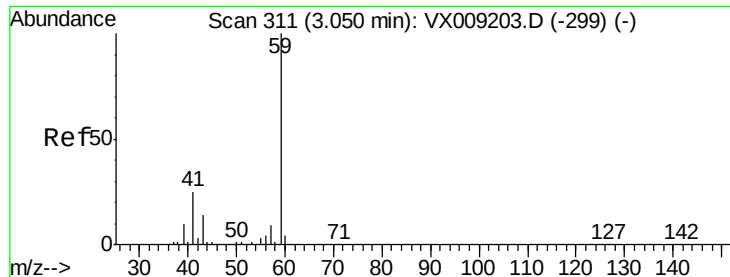


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

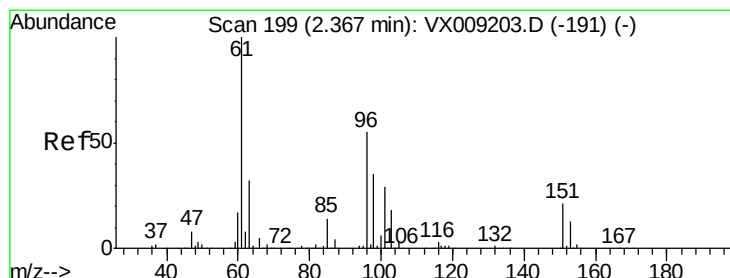
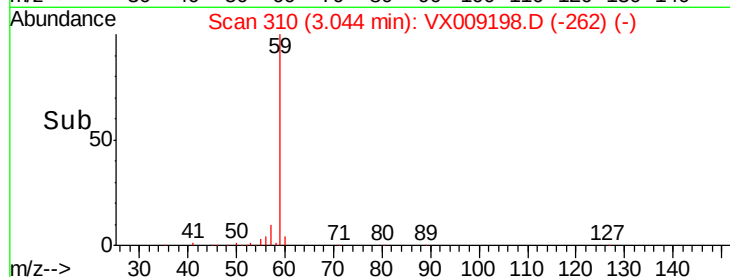
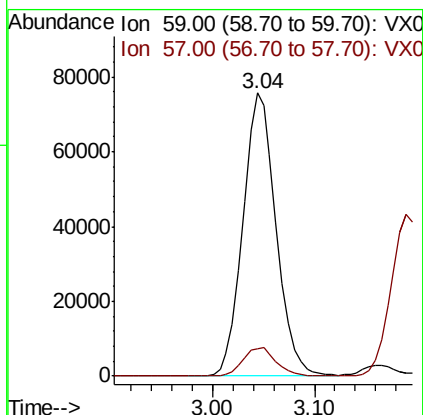
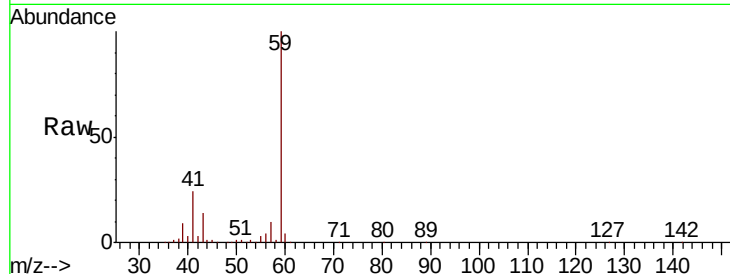




#11
Tert butyl alcohol
Concen: 251.670 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX009198.D
Acq: 29 Apr 2019 10:26

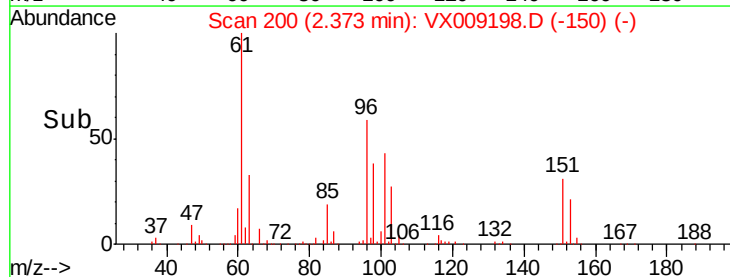
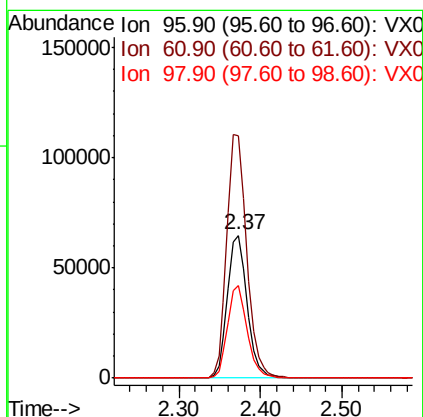
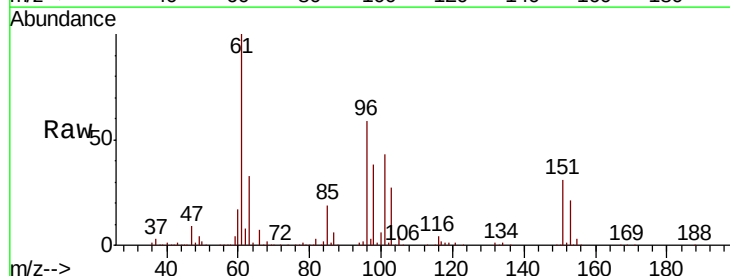
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

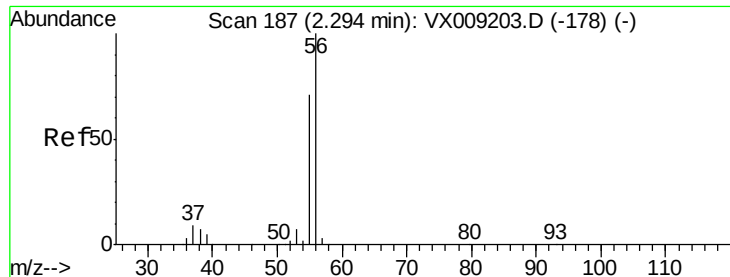
Tgt Ion: 59 Resp: 170325
Ion Ratio Lower Upper
59 100
57 10.2 8.2 12.2



#12
1,1-Dichloroethene
Concen: 53.856 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.01 min
Lab File: VX009198.D
Acq: 29 Apr 2019 10:26

Tgt Ion: 96 Resp: 108228
Ion Ratio Lower Upper
96 100
61 169.1 144.3 216.5
98 64.3 50.3 75.5





#13

Acrolein

Concen: 229.018 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX009198.D

Acq: 29 Apr 2019 10:26

Instrument :

MSVOA_X

ClientSampleId :

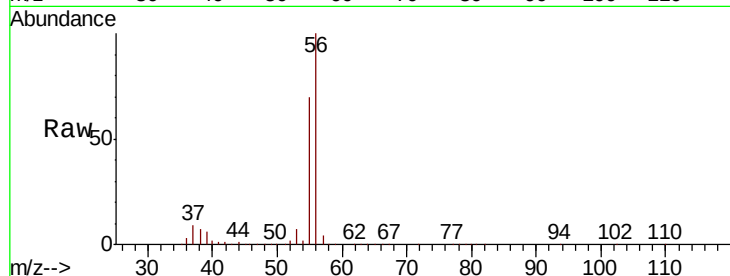
VSTDCCC050

Tgt Ion: 56 Resp: 140368

Ion Ratio Lower Upper

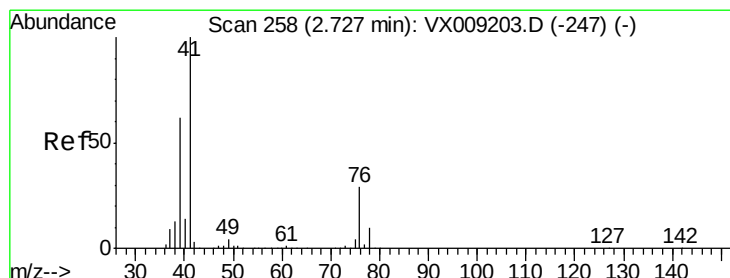
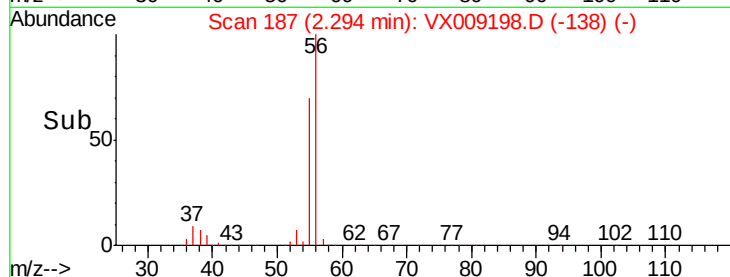
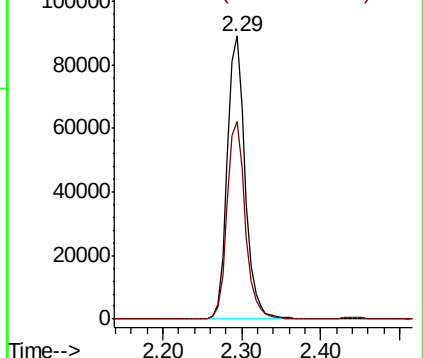
56 100

55 71.0 56.6 85.0



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 53.153 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX009198.D

Acq: 29 Apr 2019 10:26

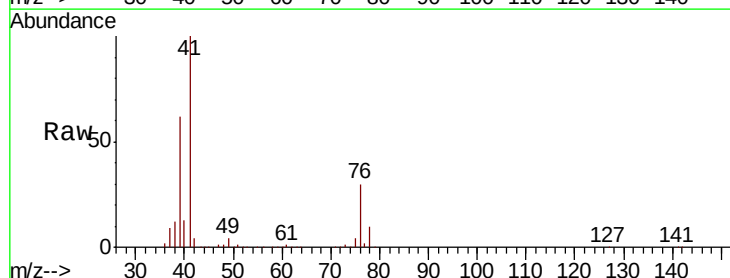
Tgt Ion: 41 Resp: 260312

Ion Ratio Lower Upper

41 100

39 58.1 46.7 70.1

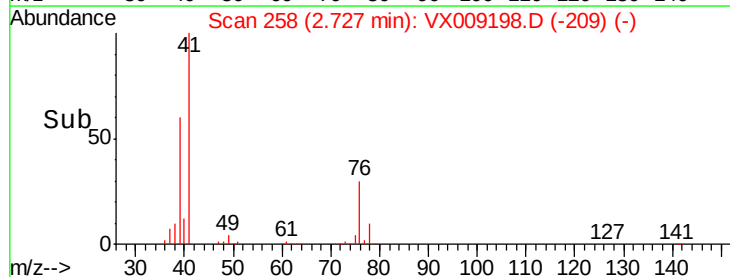
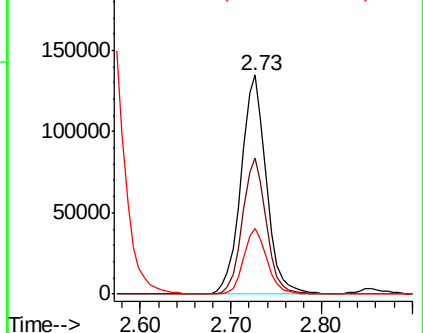
76 27.3 21.8 32.8

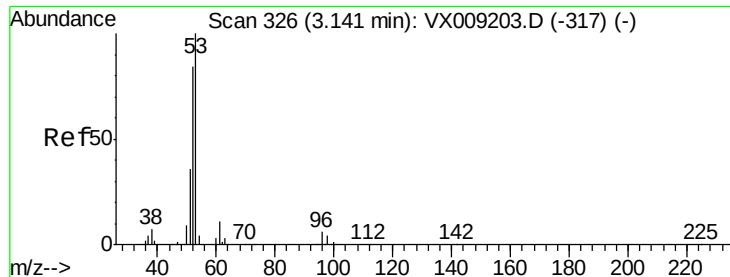


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 254.571 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX009198.D

Acq: 29 Apr 2019 10:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

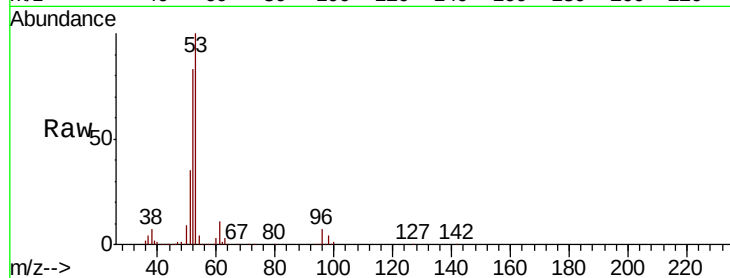
Tgt Ion: 53 Resp: 421257

Ion Ratio Lower Upper

53 100

52 82.9 66.9 100.3

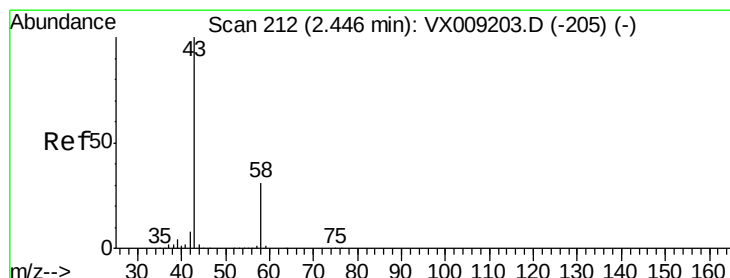
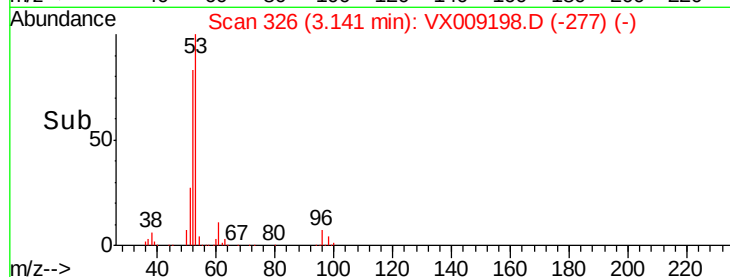
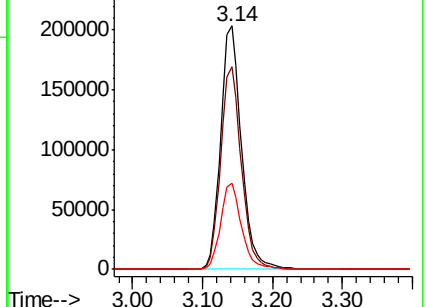
51 35.5 28.2 42.2



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 264.961 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009198.D

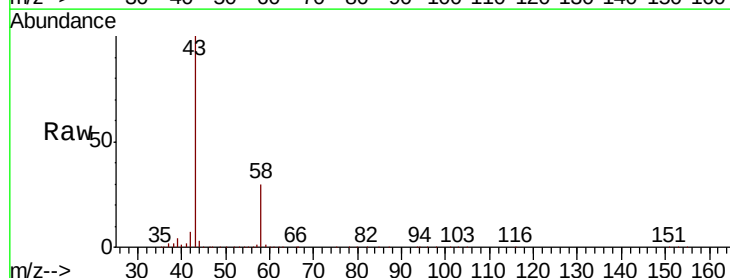
Acq: 29 Apr 2019 10:26

Tgt Ion: 43 Resp: 415973

Ion Ratio Lower Upper

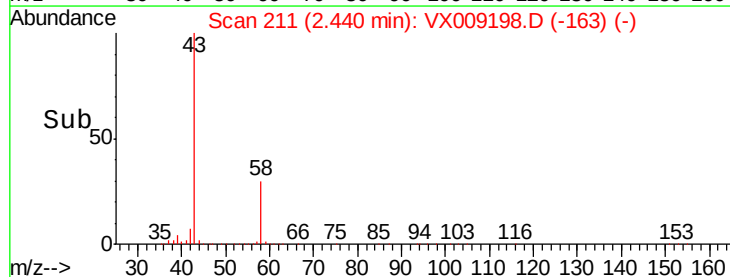
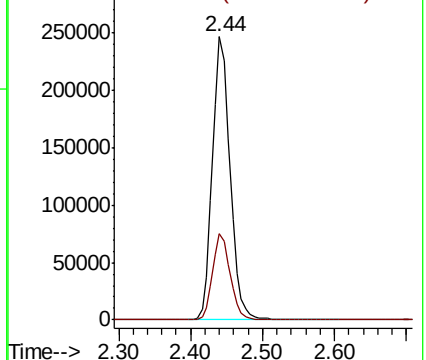
43 100

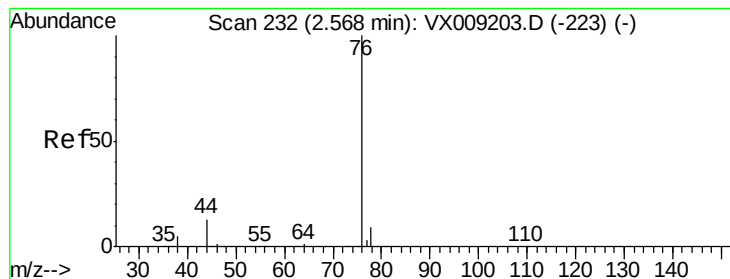
58 30.4 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 55.775 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX009198.D

Acq: 29 Apr 2019 10:26

Instrument :

MSVOA_X

ClientSampleId :

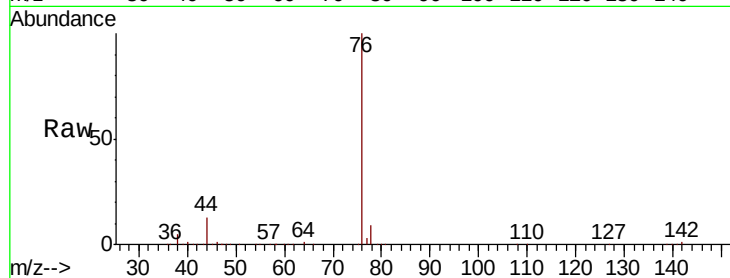
VSTDCCC050

Tgt Ion: 76 Resp: 314684

Ion Ratio Lower Upper

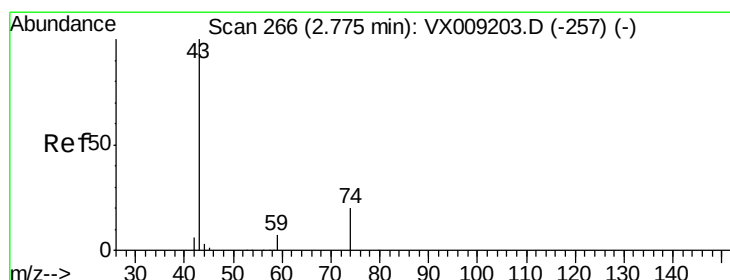
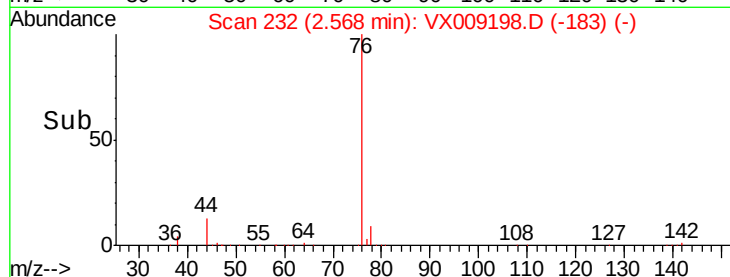
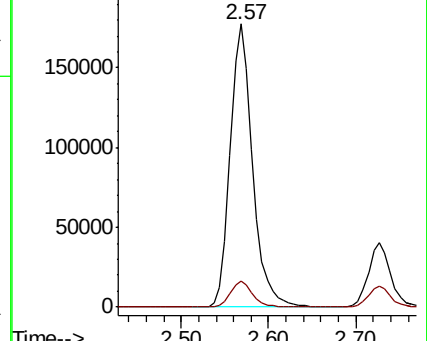
76 100

78 9.4 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 52.332 ug/l

RT: 2.77 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX009198.D

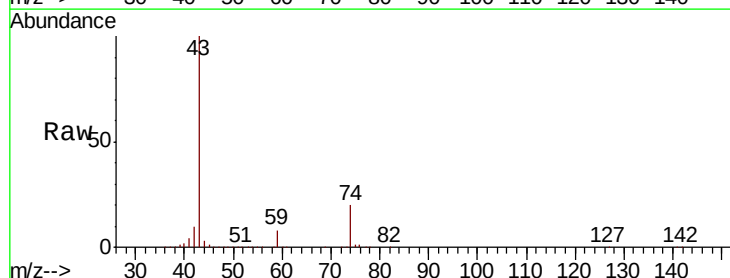
Acq: 29 Apr 2019 10:26

Tgt Ion: 43 Resp: 195390

Ion Ratio Lower Upper

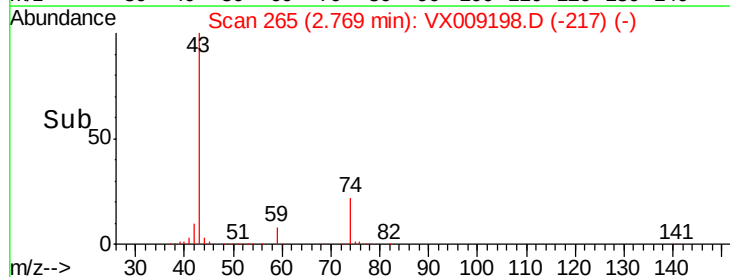
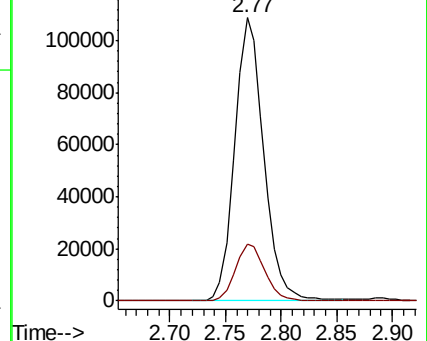
43 100

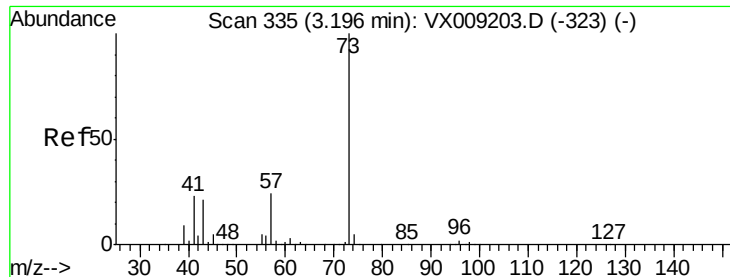
74 20.7 16.2 24.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



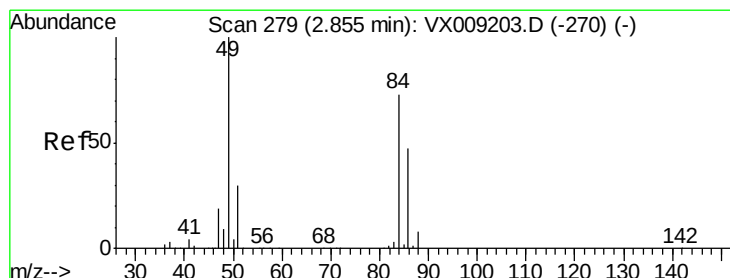
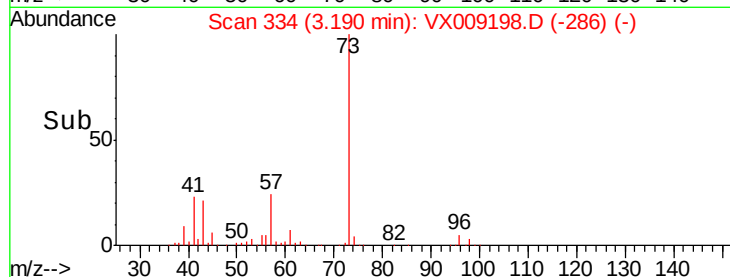
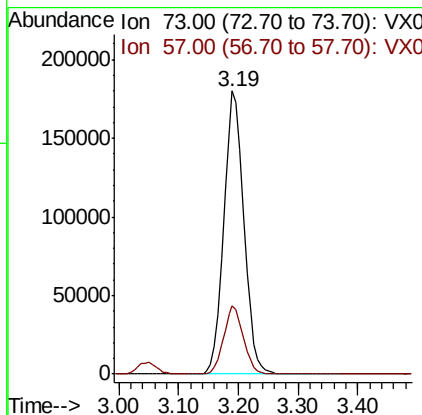
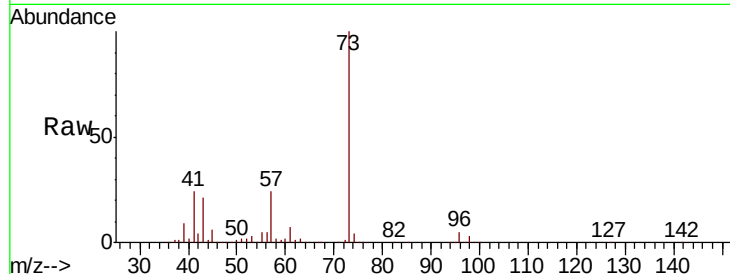


#19

Methyl tert-butyl Ether
 Concen: 53.966 ug/l
 RT: 3.19 min Scan# 334
 Delta R.T. -0.01 min
 Lab File: VX009198.D
 Acq: 29 Apr 2019 10:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

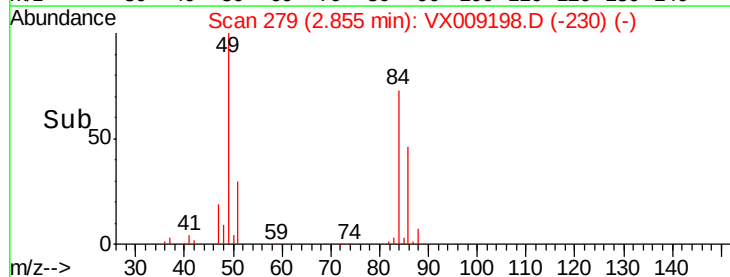
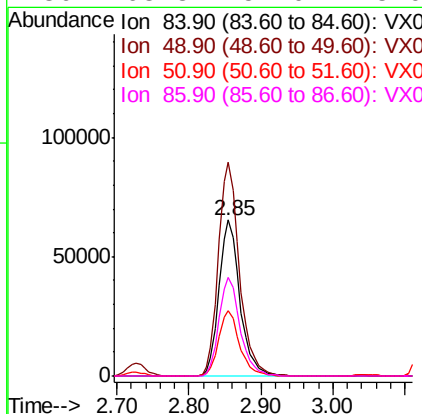
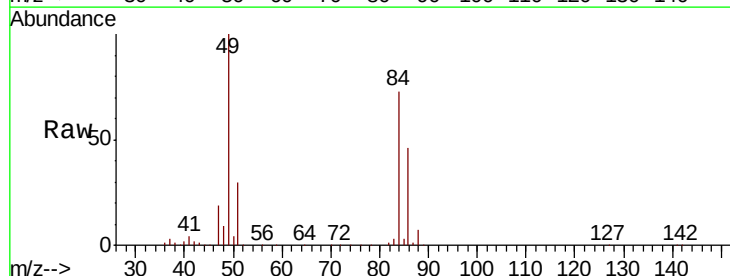
Tgt Ion: 73 Resp: 421136
 Ion Ratio Lower Upper
 73 100
 57 24.0 19.3 28.9

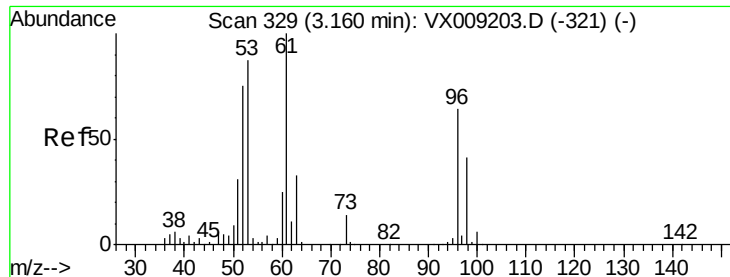


#20

Methylene Chloride
 Concen: 51.786 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. -0.00 min
 Lab File: VX009198.D
 Acq: 29 Apr 2019 10:26

Tgt Ion: 84 Resp: 131637
 Ion Ratio Lower Upper
 84 100
 49 136.9 109.9 164.9
 51 41.6 32.7 49.1
 86 63.3 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 53.725 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.00 min

Lab File: VX009198.D

Acq: 29 Apr 2019 10:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

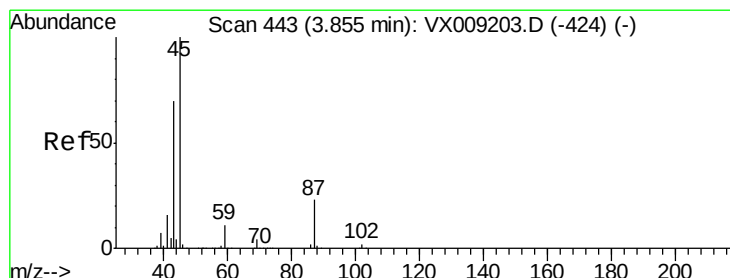
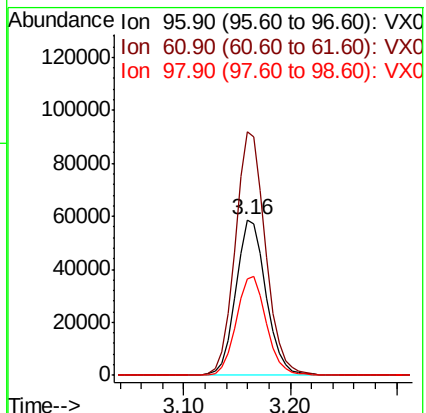
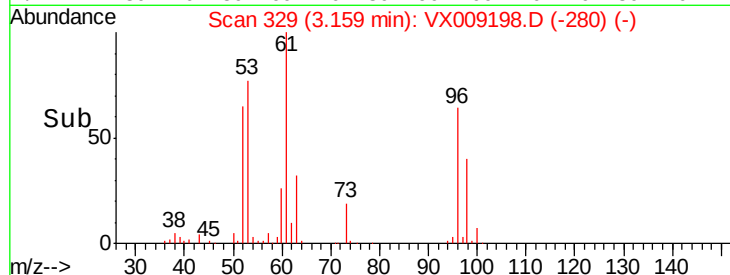
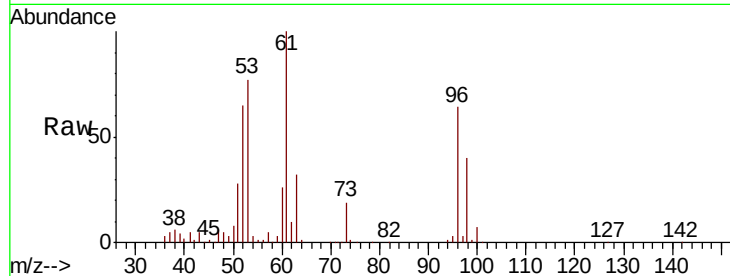
Tgt Ion: 96 Resp: 117088

Ion Ratio Lower Upper

96 100

61 156.6 124.5 186.7

98 62.4 50.4 75.6



#22

Diisopropyl ether

Concen: 53.535 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX009198.D

Acq: 29 Apr 2019 10:26

Tgt Ion: 45 Resp: 504203

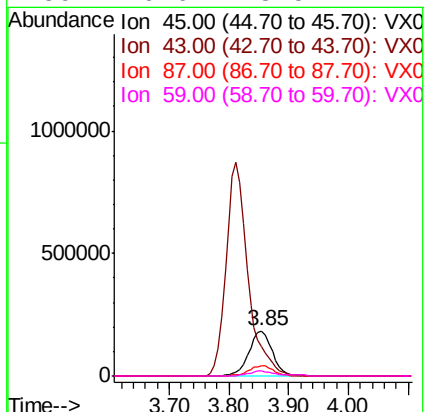
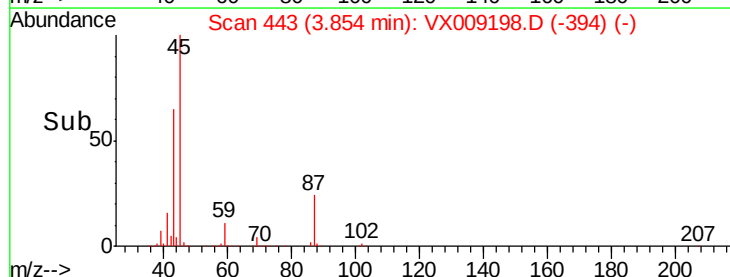
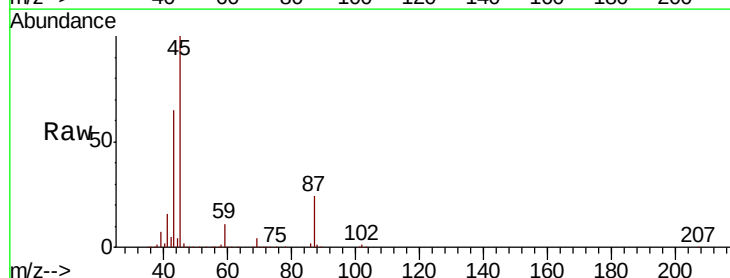
Ion Ratio Lower Upper

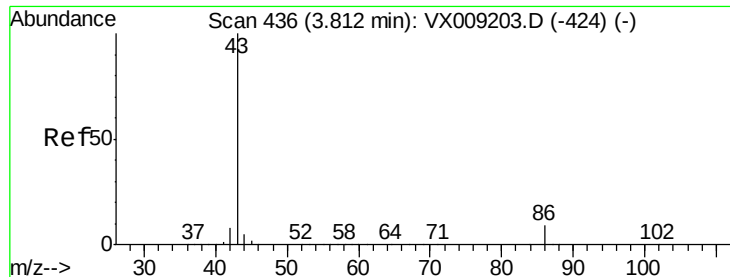
45 100

43 64.9 56.1 84.1

87 23.6 18.1 27.1

59 10.6 8.5 12.7





#23

Vinyl Acetate

Concen: 276.932 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.00 min

Lab File: VX009198.D

Acq: 29 Apr 2019 10:26

Instrument :

MSVOA_X

ClientSampleId :

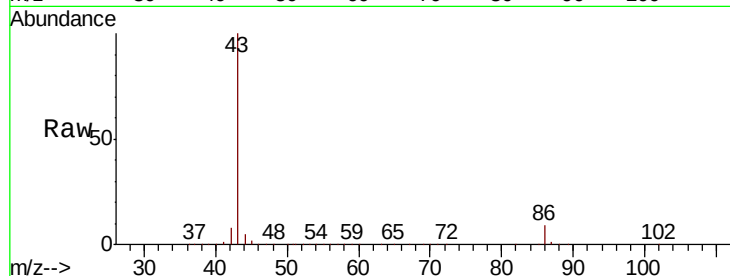
VSTDCCC050

Tgt Ion: 43 Resp: 2233438

Ion Ratio Lower Upper

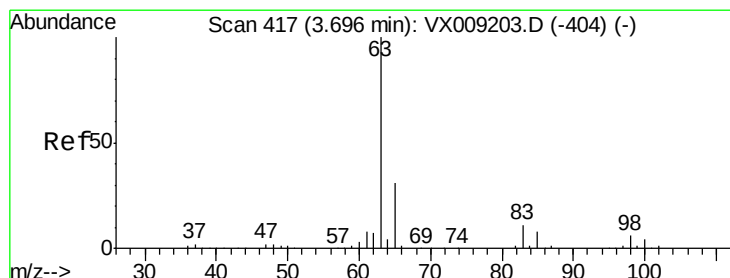
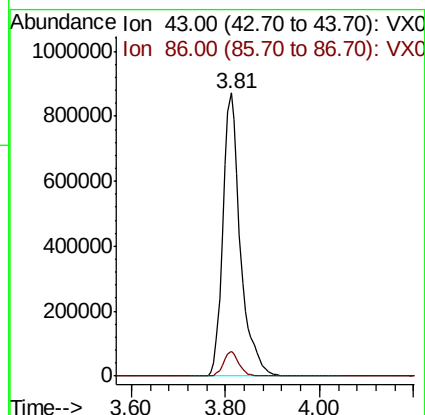
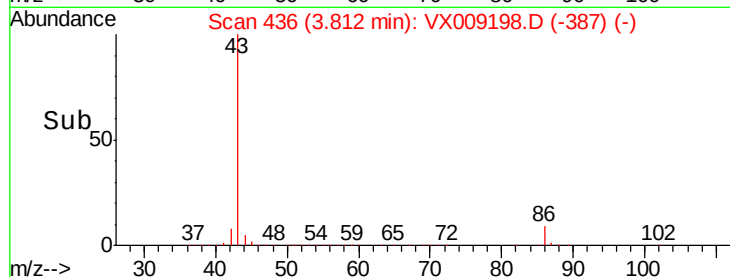
43 100

86 8.8 6.9 10.3



Abundance Ion 43.00 (42.70 to 43.70): VX009198.D (-387) (-)

Ion 86.00 (85.70 to 86.70): VX009198.D (-387) (-)



#24

1,1-Dichloroethane

Concen: 53.108 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX009198.D

Acq: 29 Apr 2019 10:26

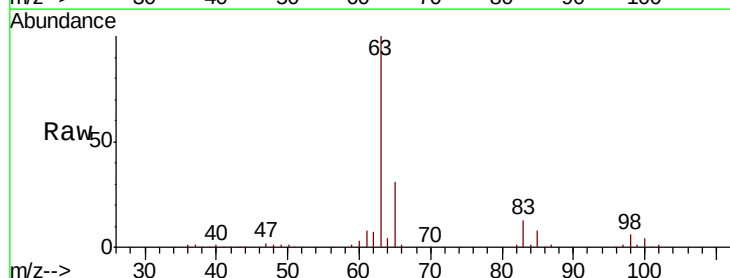
Tgt Ion: 63 Resp: 246748

Ion Ratio Lower Upper

63 100

98 5.8 3.0 9.2

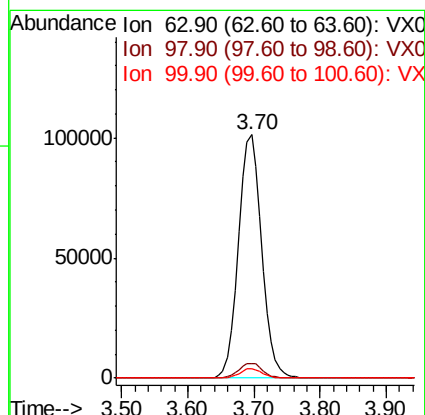
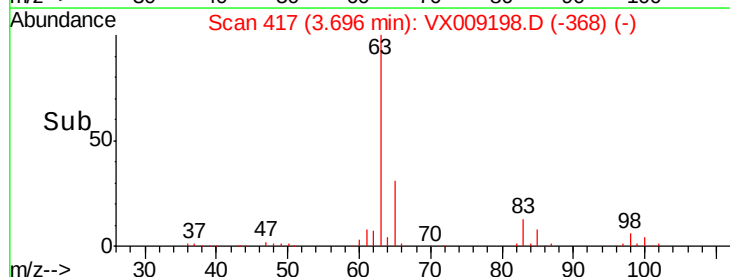
100 3.7 2.0 6.0

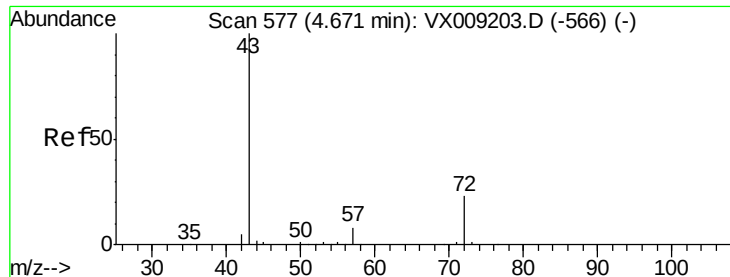


Abundance Ion 62.90 (62.60 to 63.60): VX009198.D (-368) (-)

Ion 97.90 (97.60 to 98.60): VX009198.D (-368) (-)

Ion 99.90 (99.60 to 100.60): VX009198.D (-368) (-)





#25

2-Butanone

Concen: 264.023 ug/l

RT: 4.67 min Scan# 576

Delta R.T. -0.01 min

Lab File: VX009198.D

Acq: 29 Apr 2019 10:26

Instrument :

MSVOA_X

ClientSampleId :

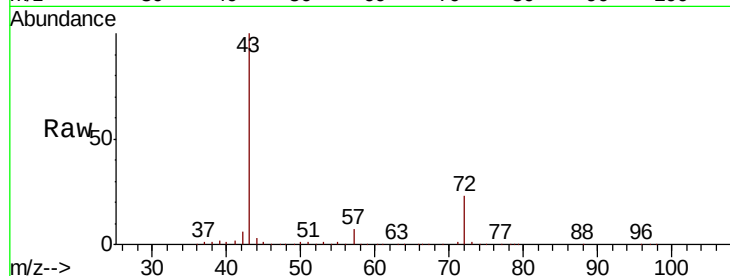
VSTDCCC050

Tgt Ion: 43 Resp: 644121

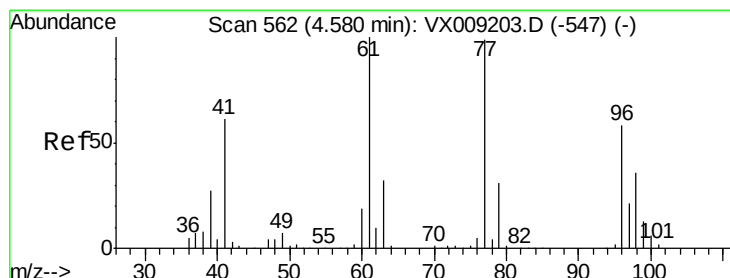
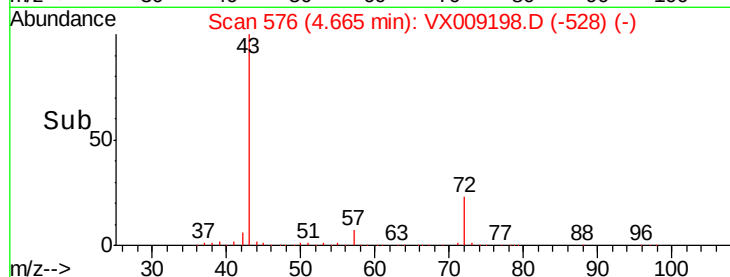
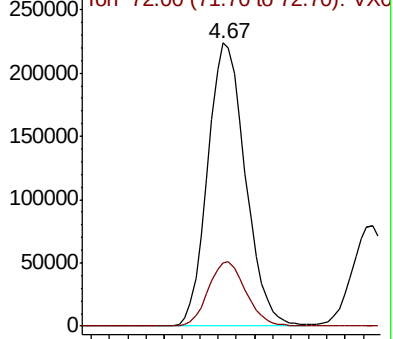
Ion Ratio Lower Upper

43 100

72 22.4 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): VX009198.D (-528) (-)



#26

2,2-Dichloropropane

Concen: 55.902 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX009198.D

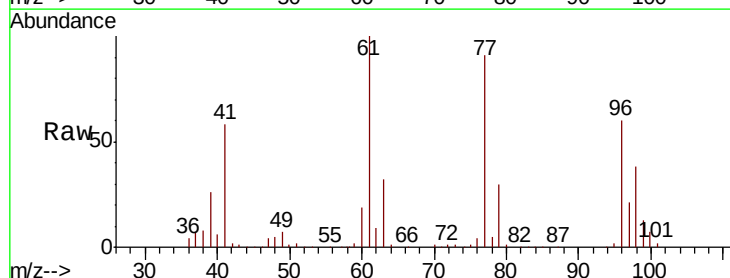
Acq: 29 Apr 2019 10:26

Tgt Ion: 77 Resp: 193325

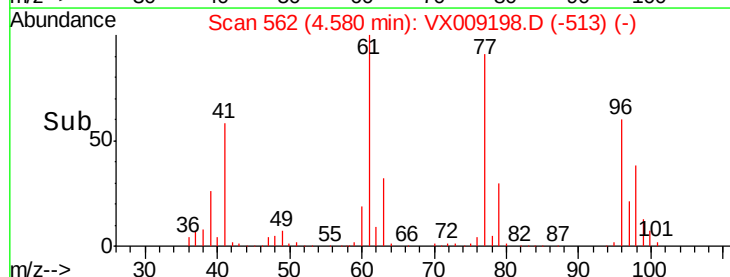
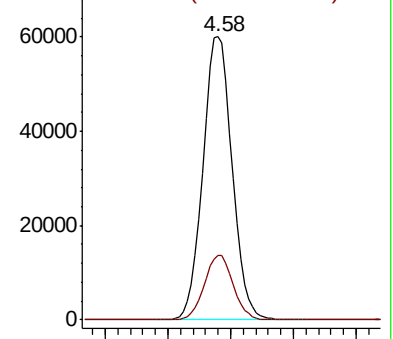
Ion Ratio Lower Upper

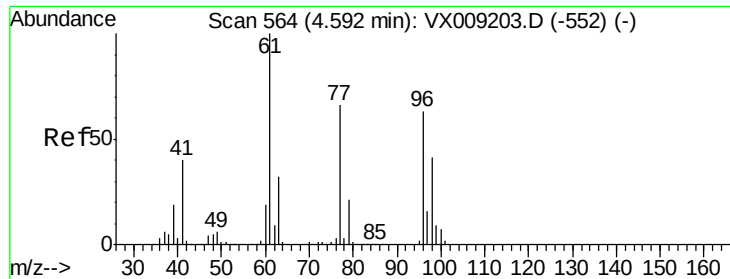
77 100

97 22.5 11.5 34.4



Abundance Ion 76.90 (76.60 to 77.60): VX009198.D (-513) (-)



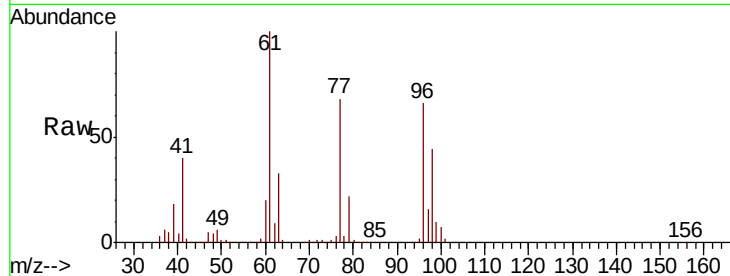


#27

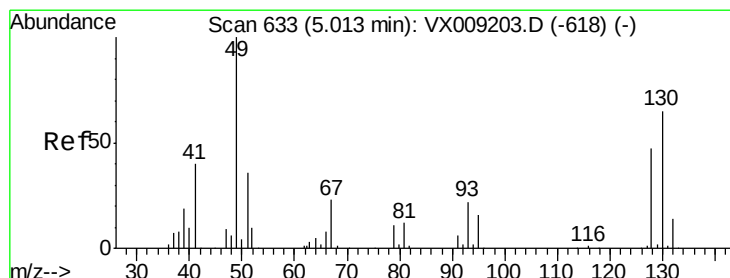
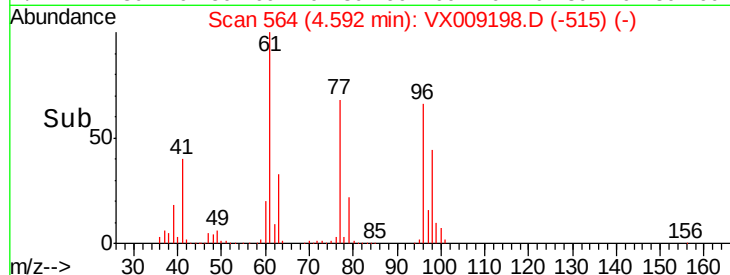
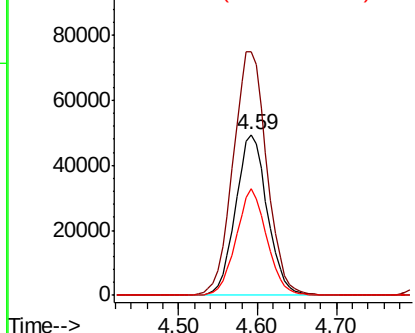
cis-1,2-Dichloroethene
 Concen: 53.144 ug/l
 RT: 4.59 min Scan# 564
 Delta R.T. -0.00 min
 Lab File: VX009198.D
 Acq: 29 Apr 2019 10:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 96 Resp: 138246
 Ion Ratio Lower Upper
 96 100
 61 161.4 0.0 324.0
 98 64.3 0.0 130.4



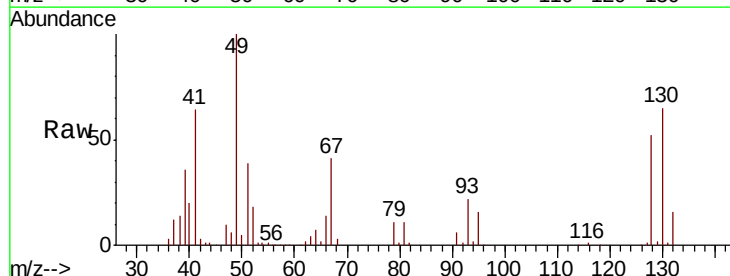
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



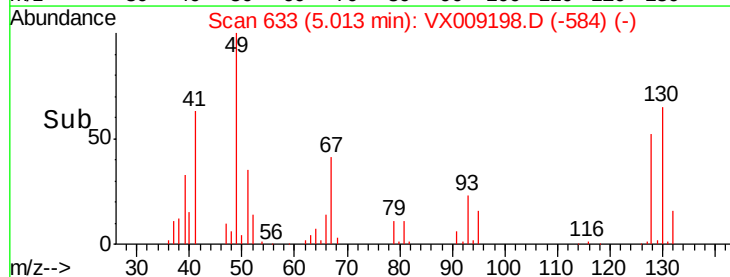
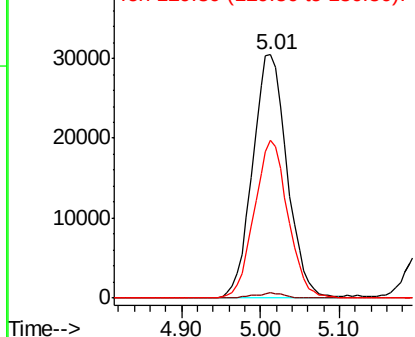
#28

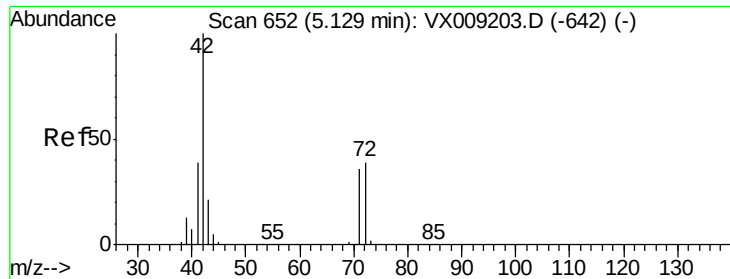
Bromochloromethane
 Concen: 49.521 ug/l
 RT: 5.01 min Scan# 633
 Delta R.T. 0.00 min
 Lab File: VX009198.D
 Acq: 29 Apr 2019 10:26

Tgt Ion: 49 Resp: 92668
 Ion Ratio Lower Upper
 49 100
 129 1.8 0.0 3.8
 130 63.1 51.2 76.8



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

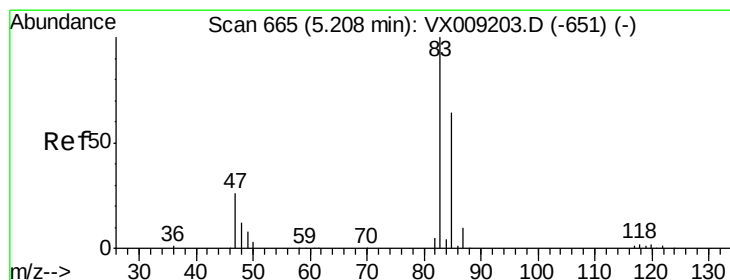
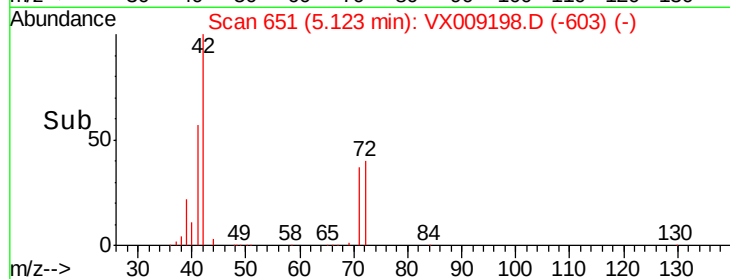
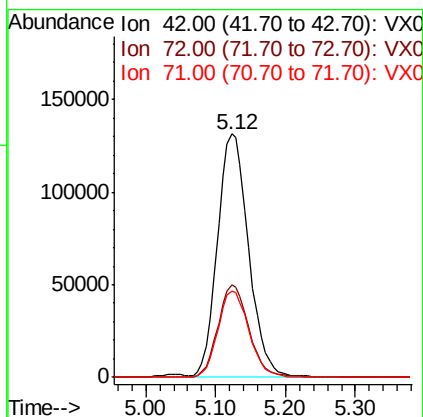
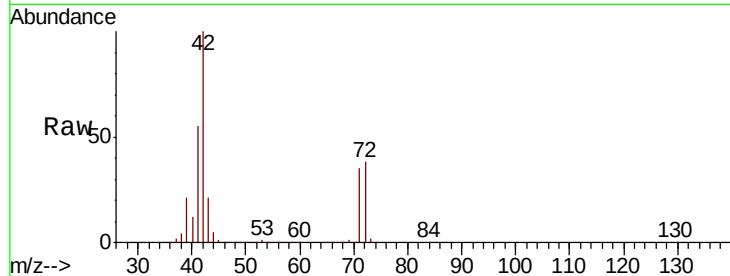




#29
Tetrahydrofuran
Concen: 257.244 ug/l
RT: 5.12 min Scan# 651
Delta R.T. -0.01 min
Lab File: VX009198.D
Acq: 29 Apr 2019 10:26

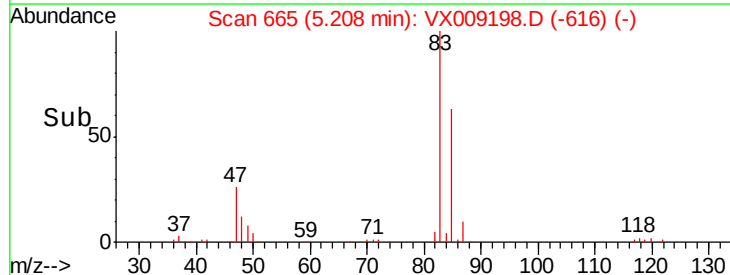
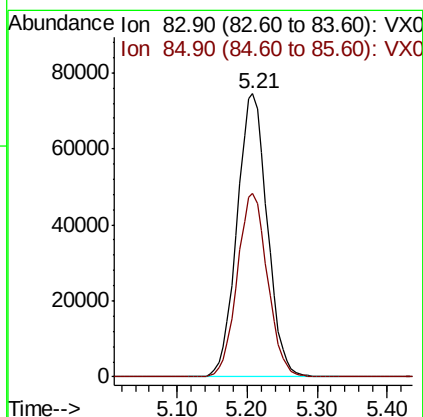
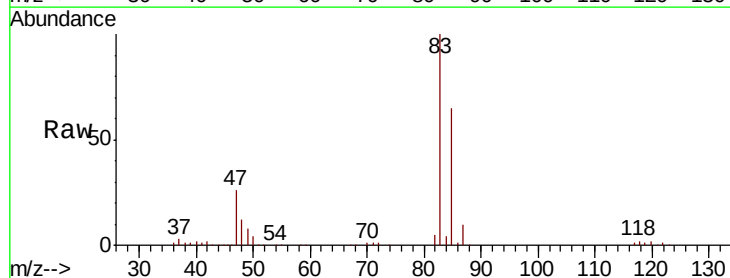
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

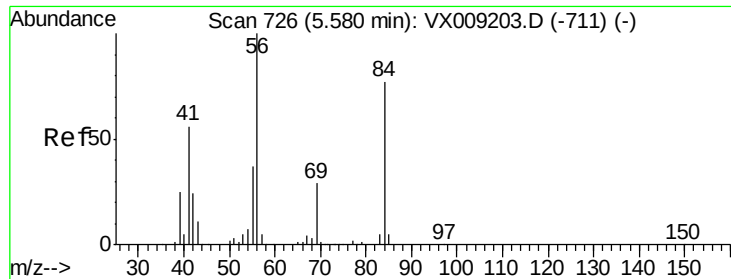
Tgt Ion: 42 Resp: 403847
Ion Ratio Lower Upper
42 100
72 38.1 30.4 45.6
71 35.8 28.6 43.0



#30
Chloroform
Concen: 53.194 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.00 min
Lab File: VX009198.D
Acq: 29 Apr 2019 10:26

Tgt Ion: 83 Resp: 223526
Ion Ratio Lower Upper
83 100
85 64.8 51.5 77.3

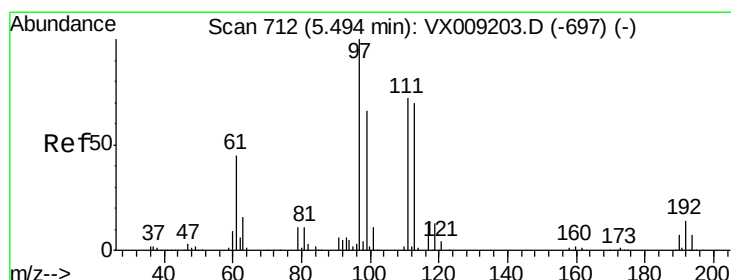
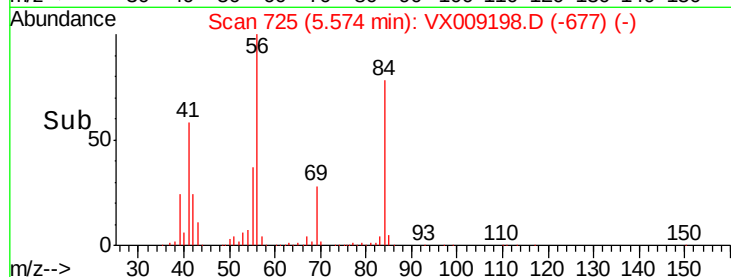
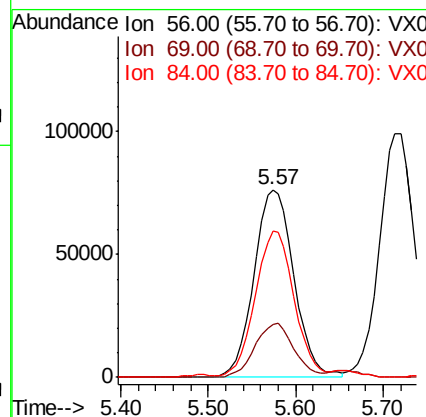
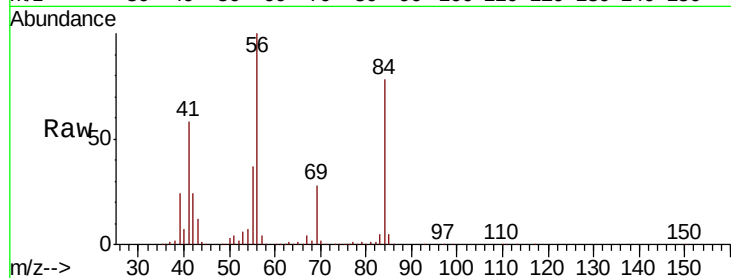




#31
Cyclohexane
Concen: 56.033 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.01 min
Lab File: VX009198.D
Acq: 29 Apr 2019 10:26

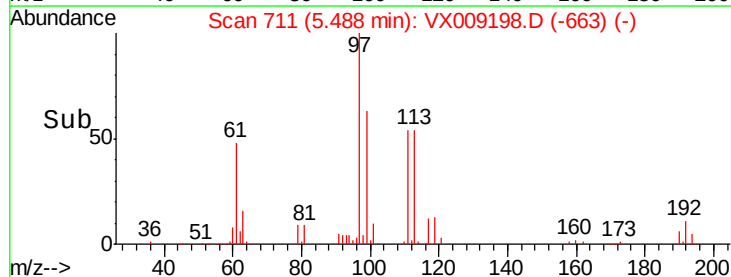
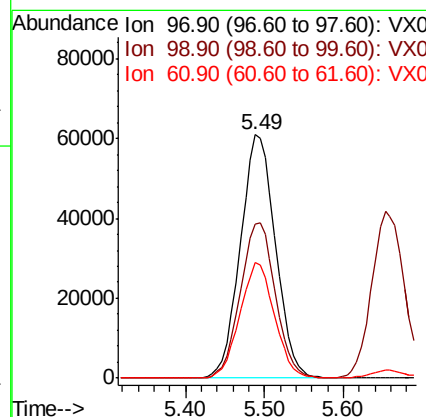
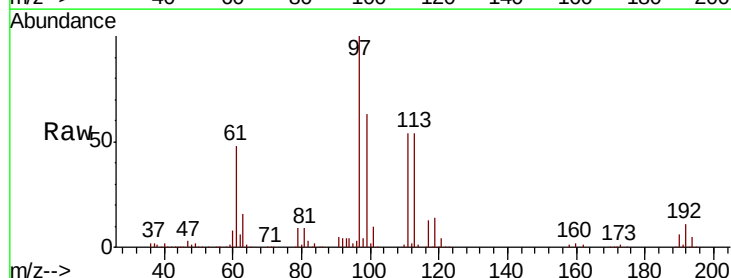
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

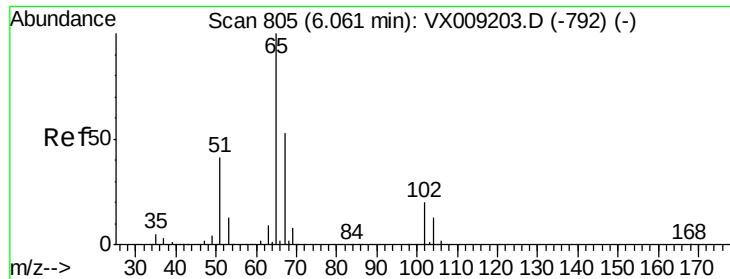
Tgt Ion: 56 Resp: 242210
Ion Ratio Lower Upper
56 100
69 28.3 23.4 35.0
84 77.0 61.9 92.9



#32
1,1,1-Trichloroethane
Concen: 53.949 ug/l
RT: 5.49 min Scan# 711
Delta R.T. -0.01 min
Lab File: VX009198.D
Acq: 29 Apr 2019 10:26

Tgt Ion: 97 Resp: 188717
Ion Ratio Lower Upper
97 100
99 63.9 51.8 77.8
61 46.8 37.8 56.8

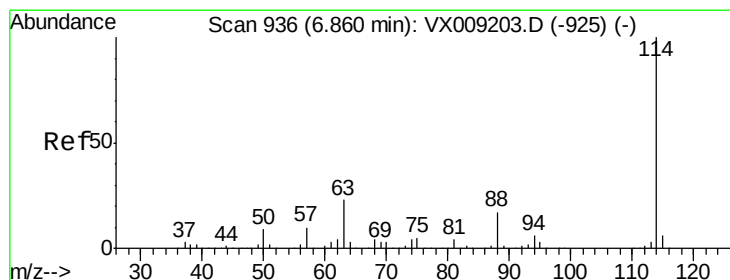
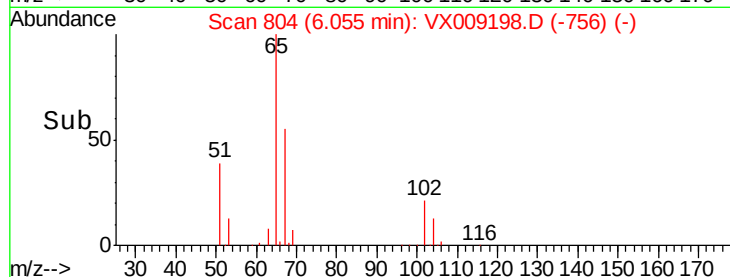
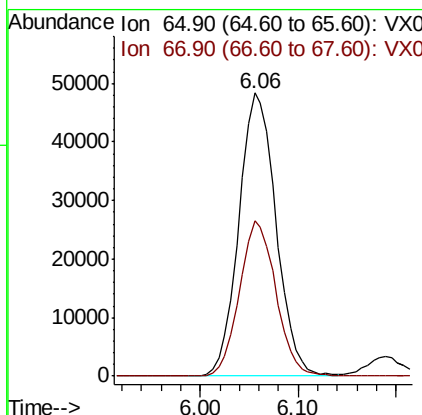
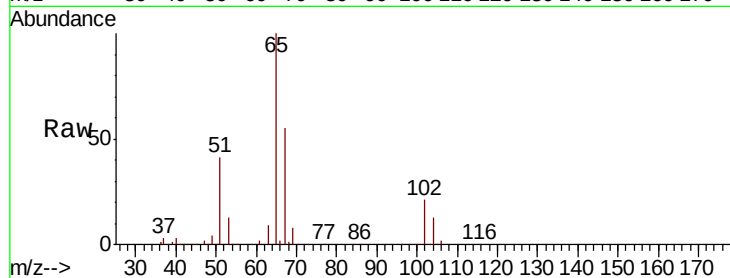




#33
 1,2-Dichloroethane-d4
 Concen: 43.640 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. -0.01 min
 Lab File: VX009198.D
 Acq: 29 Apr 2019 10:26

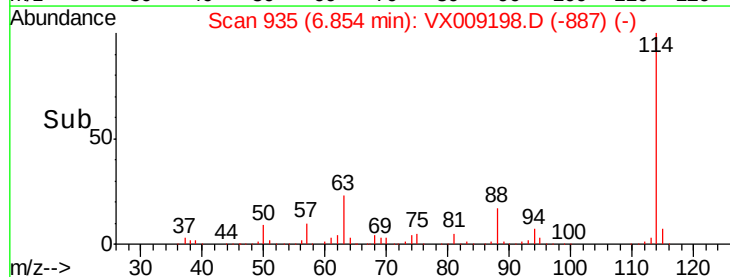
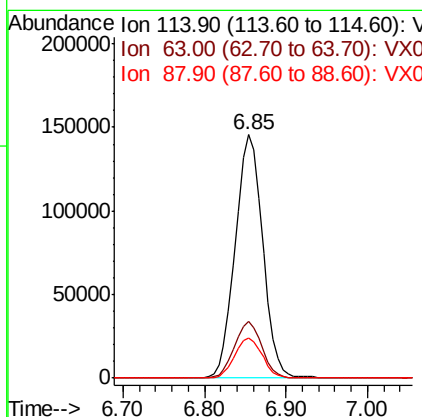
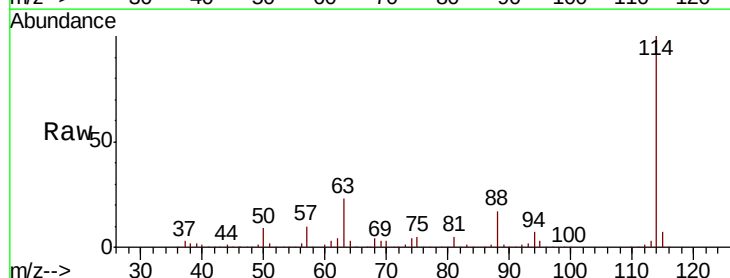
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

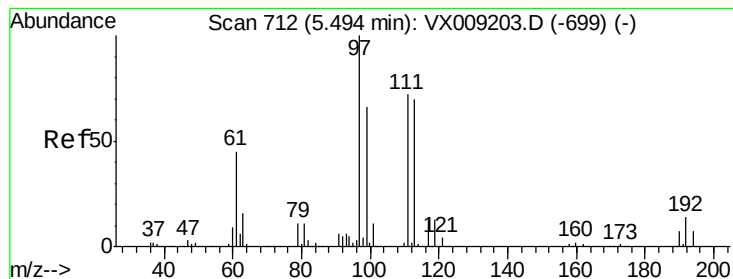
Tgt Ion: 65 Resp: 127593
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX009198.D
 Acq: 29 Apr 2019 10:26

Tgt Ion: 114 Resp: 340013
 Ion Ratio Lower Upper
 114 100
 63 23.1 0.0 45.6
 88 16.5 0.0 33.2





#35

Dibromofluoromethane

Concen: 45.020 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX009198.D

Acq: 29 Apr 2019 10:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

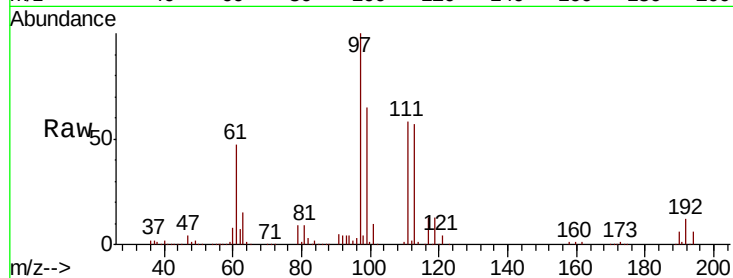
Tgt Ion:113 Resp: 96228

Ion Ratio Lower Upper

113 100

111 103.1 82.8 124.2

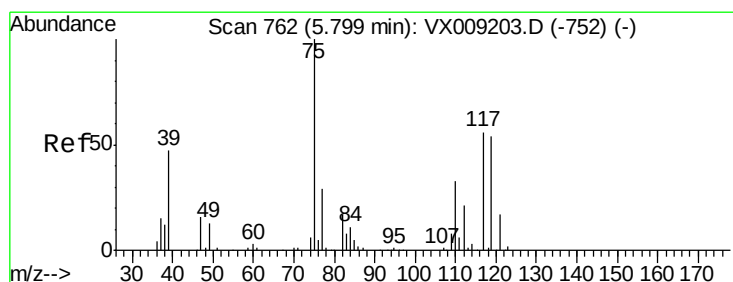
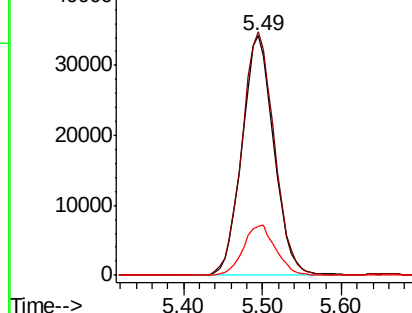
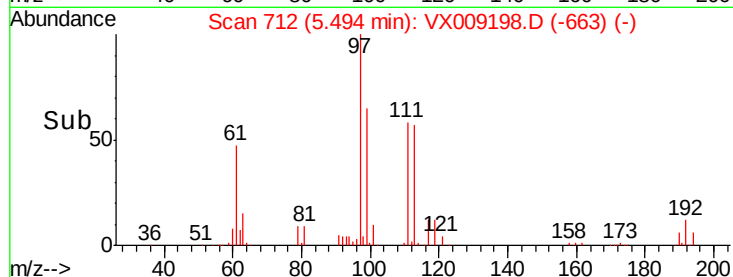
192 21.2 17.0 25.6



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: 55.564 ug/l

RT: 5.79 min Scan# 761

Delta R.T. -0.01 min

Lab File: VX009198.D

Acq: 29 Apr 2019 10:26

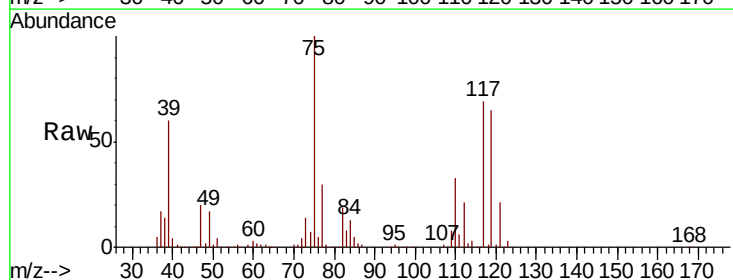
Tgt Ion: 75 Resp: 175571

Ion Ratio Lower Upper

75 100

110 33.8 16.9 50.6

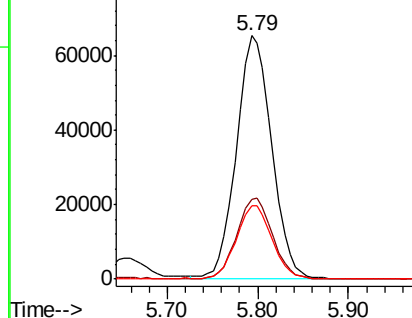
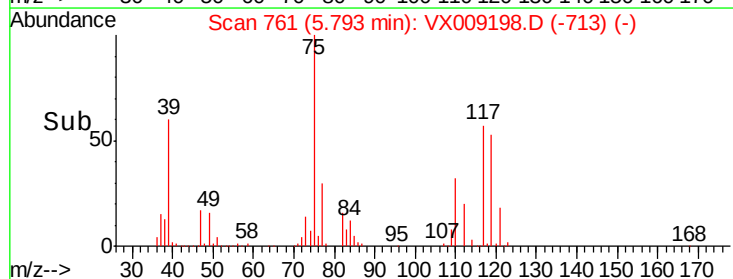
77 30.4 24.8 37.2

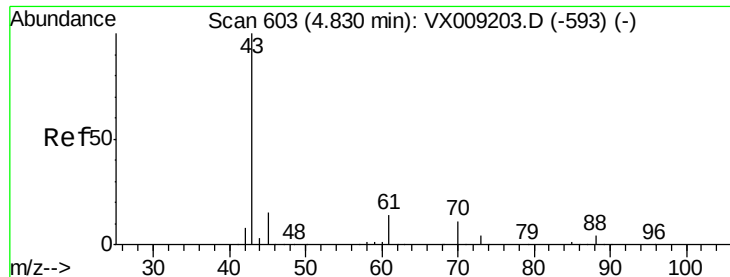


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

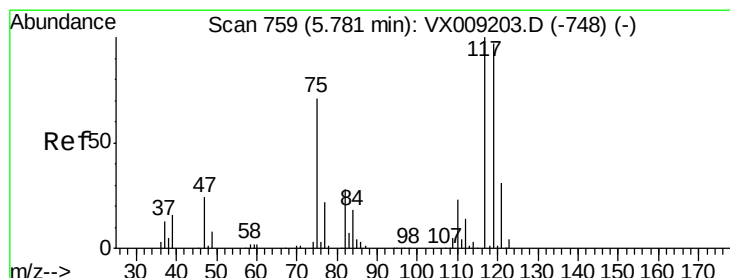
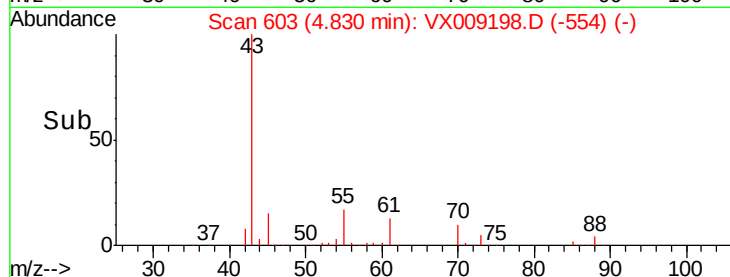
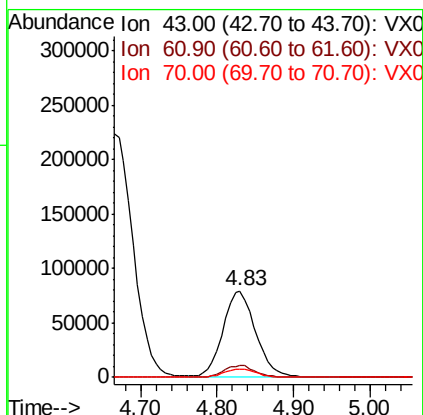
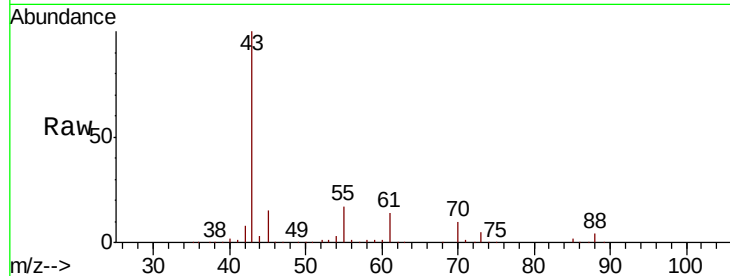




#37
Ethyl Acetate
Concen: 53.095 ug/l
RT: 4.83 min Scan# 603
Delta R.T. -0.00 min
Lab File: VX009198.D
Acq: 29 Apr 2019 10:26

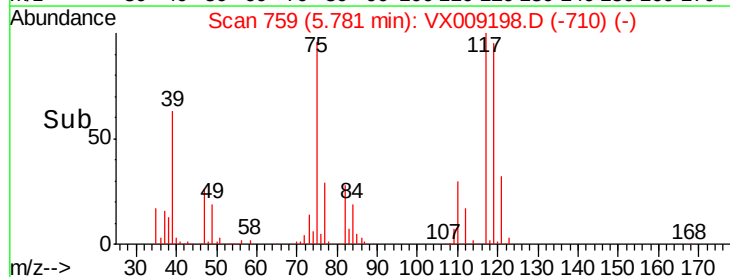
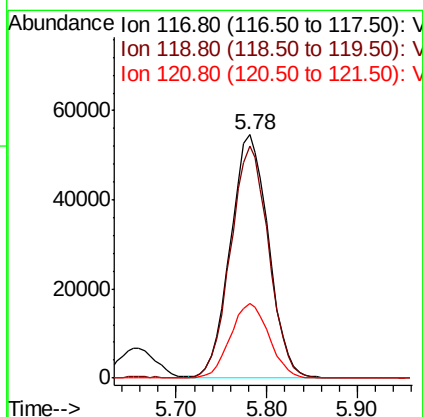
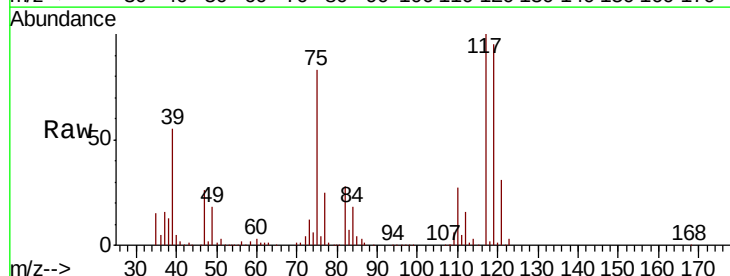
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

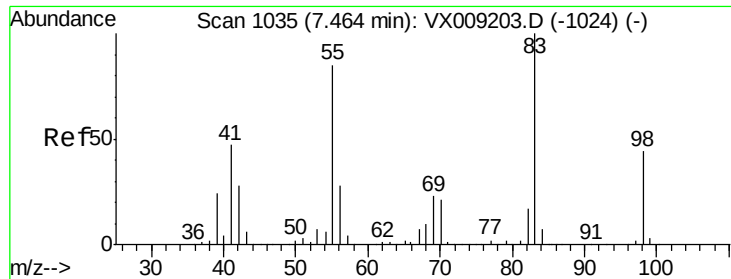
Tgt Ion: 43 Resp: 233754
Ion Ratio Lower Upper
43 100
61 13.4 10.5 15.7
70 9.8 7.9 11.9



#38
Carbon Tetrachloride
Concen: 55.380 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX009198.D
Acq: 29 Apr 2019 10:26

Tgt Ion: 117 Resp: 158988
Ion Ratio Lower Upper
117 100
119 95.4 77.5 116.3
121 30.9 24.7 37.1

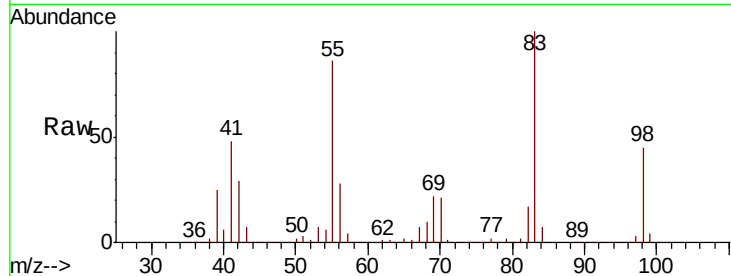




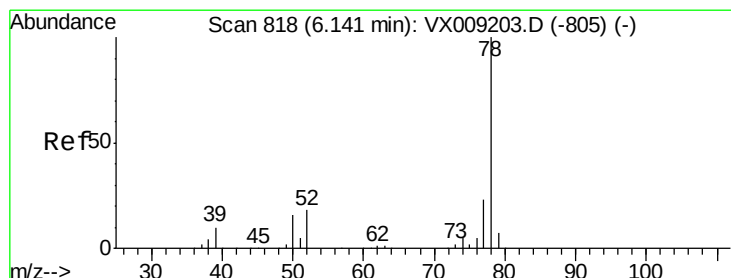
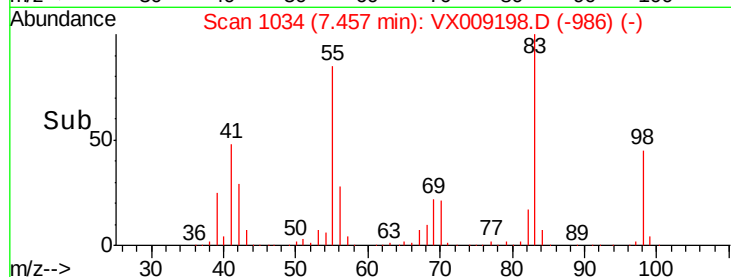
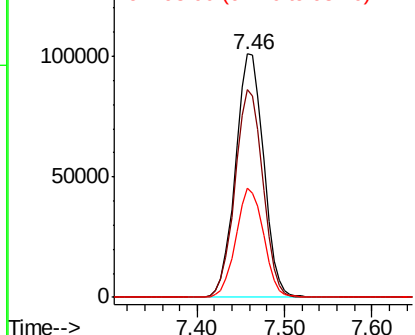
#39
Methylcyclohexane
Concen: 58.311 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX009198.D
Acq: 29 Apr 2019 10:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 226277
Ion Ratio Lower Upper
83 100
55 85.5 67.7 101.5
98 45.1 35.5 53.3

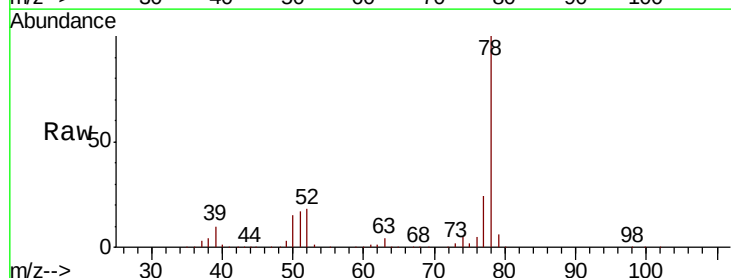


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

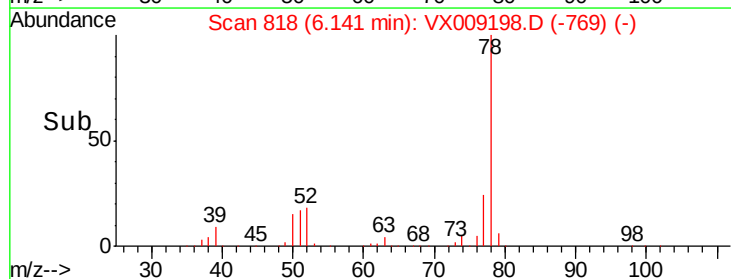
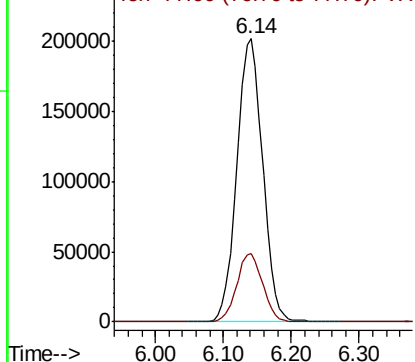


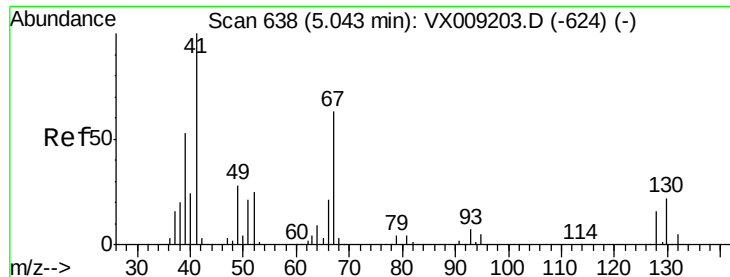
#40
Benzene
Concen: 54.405 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX009198.D
Acq: 29 Apr 2019 10:26

Tgt Ion: 78 Resp: 532031
Ion Ratio Lower Upper
78 100
77 24.2 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0

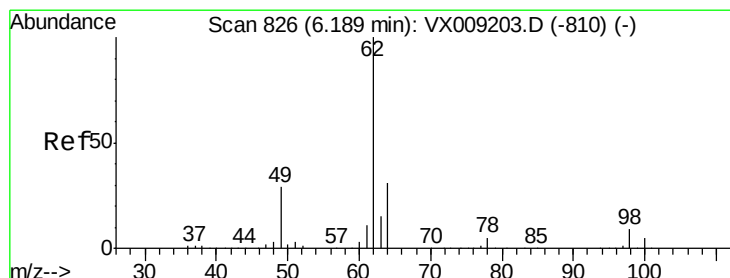
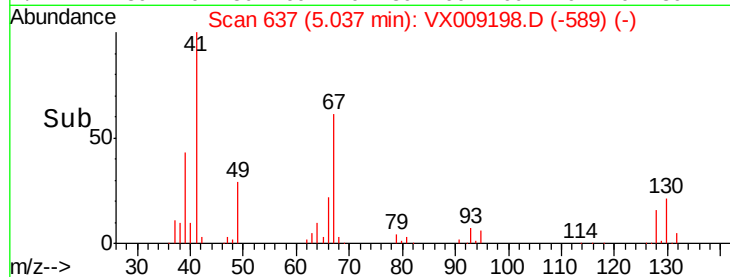
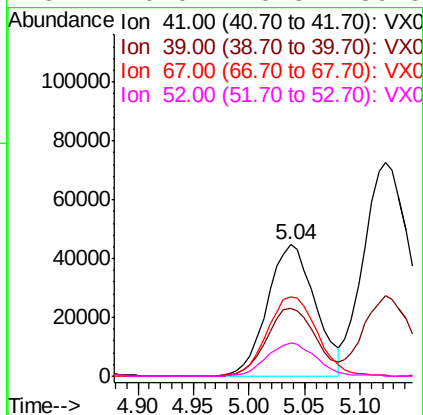
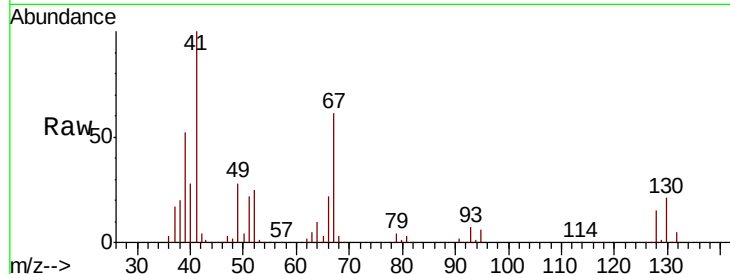




#41
Methacrylonitrile
Concen: 51.006 ug/l
RT: 5.04 min Scan# 637
Delta R.T. -0.01 min
Lab File: VX009198.D
Acq: 29 Apr 2019 10:26

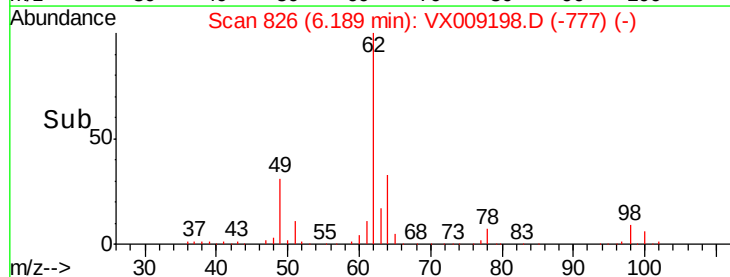
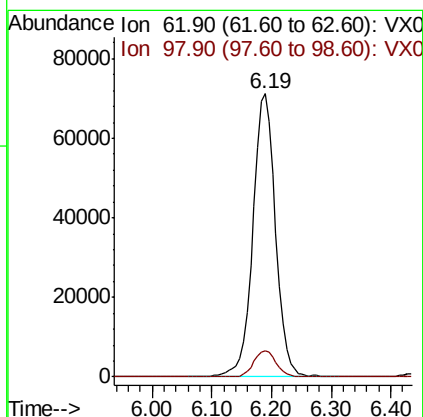
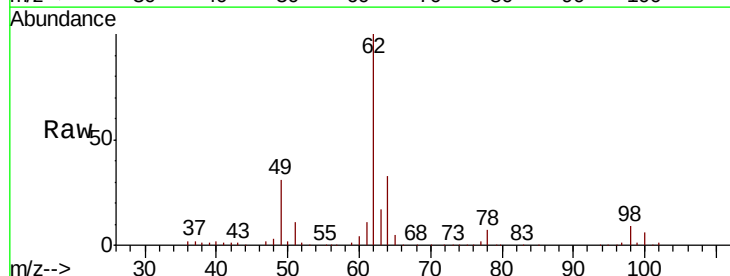
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

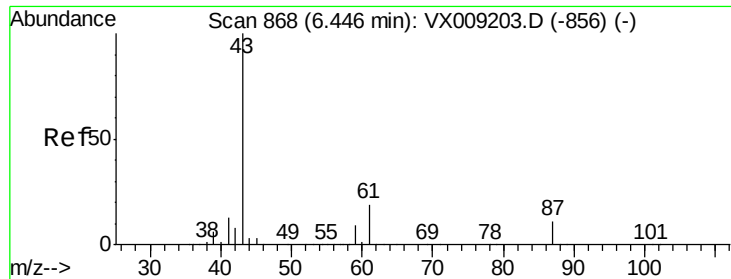
Tgt Ion:	41	Resp:	133670
Ion	Ratio	Lower	Upper
41	100		
39	53.0	42.0	63.0
67	63.5	49.8	74.8
52	26.0	20.3	30.5



#42
1,2-Dichloroethane
Concen: 53.438 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.00 min
Lab File: VX009198.D
Acq: 29 Apr 2019 10:26

Tgt Ion:	62	Resp:	187455
Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.2





#43

Isopropyl Acetate

Concen: 53.836 ug/l

RT: 6.44 min Scan# 867

Delta R.T. -0.01 min

Lab File: VX009198.D

Acq: 29 Apr 2019 10:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

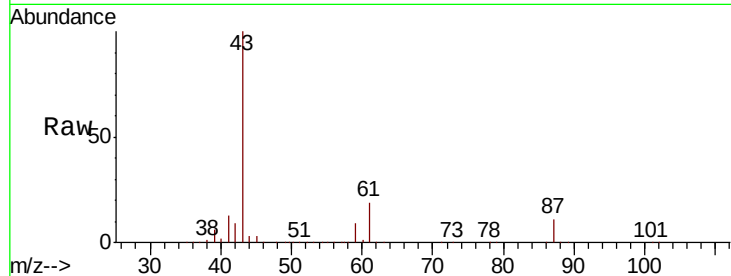
Tgt Ion: 43 Resp: 379113

Ion Ratio Lower Upper

43 100

61 19.3 15.1 22.7

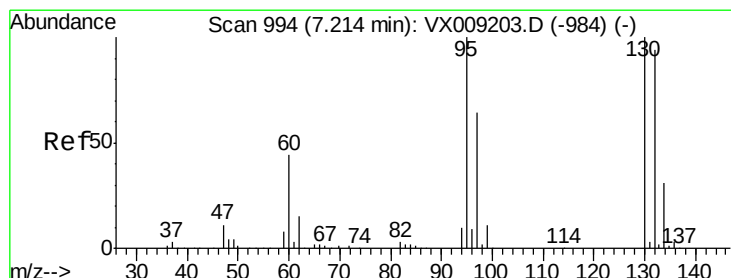
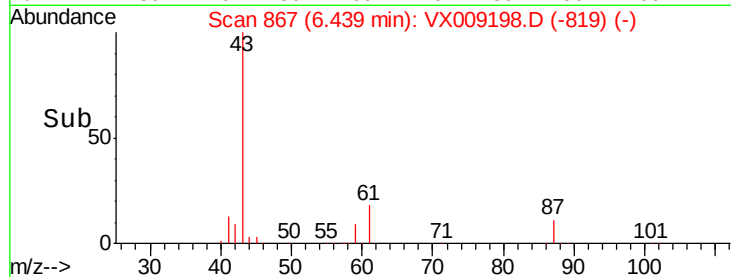
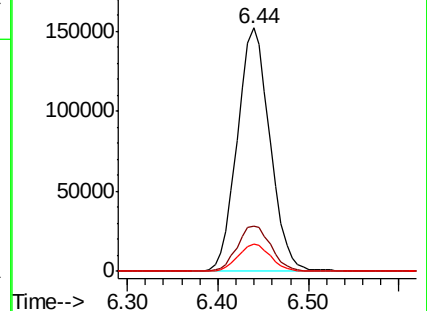
87 11.2 9.0 13.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 54.619 ug/l

RT: 7.21 min Scan# 993

Delta R.T. -0.01 min

Lab File: VX009198.D

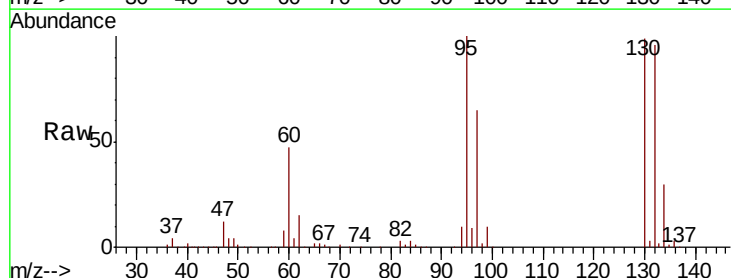
Acq: 29 Apr 2019 10:26

Tgt Ion: 130 Resp: 129125

Ion Ratio Lower Upper

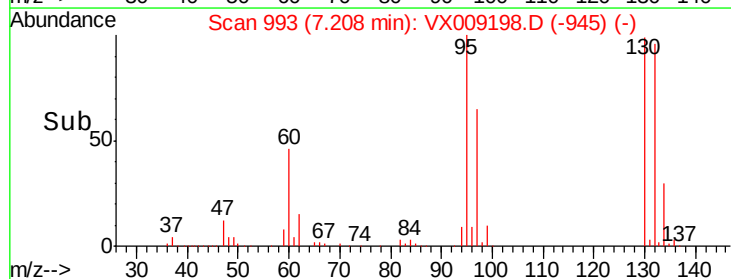
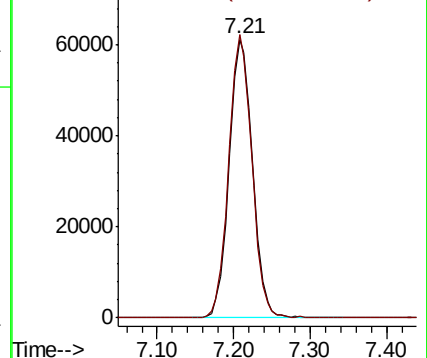
130 100

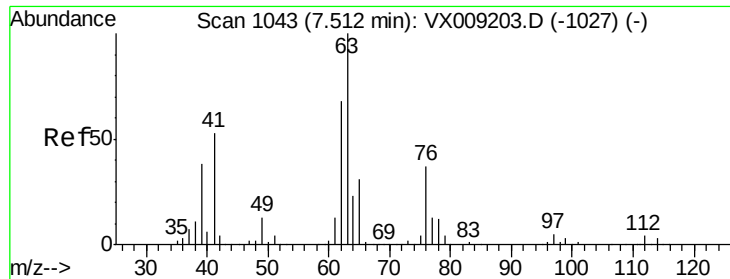
95 101.5 0.0 199.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

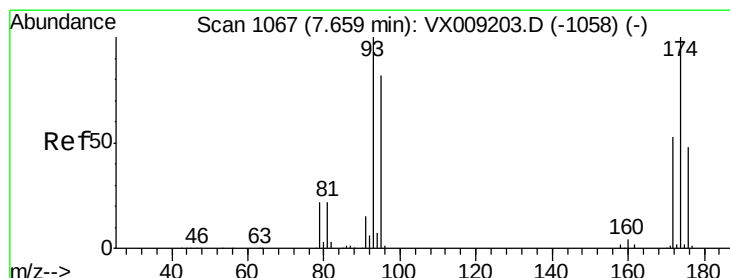
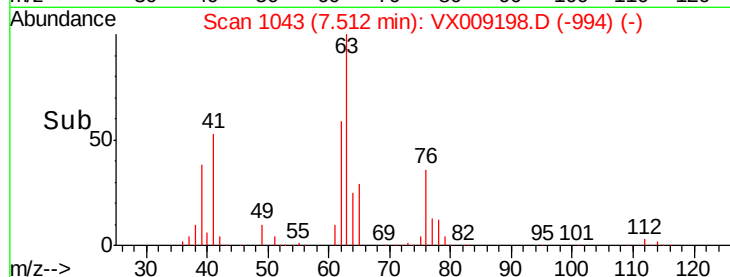
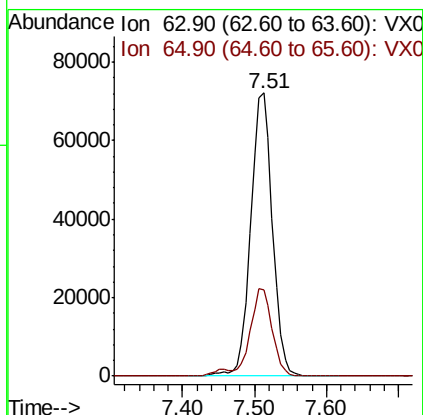
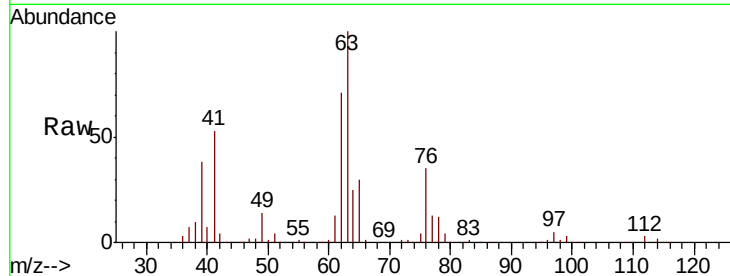




#45
 1,2-Dichloropropane
 Concen: 54.617 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX009198.D
 Acq: 29 Apr 2019 10:26

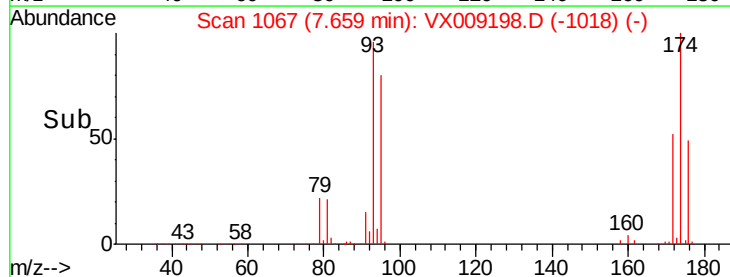
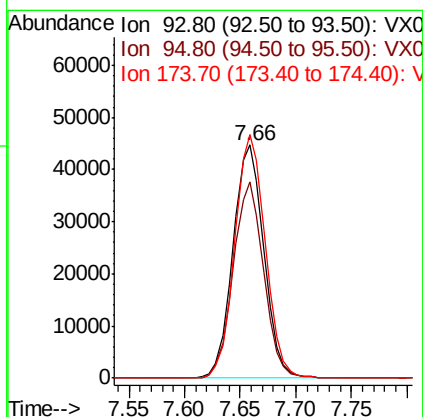
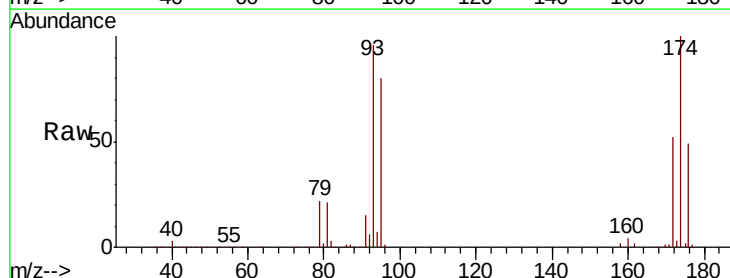
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

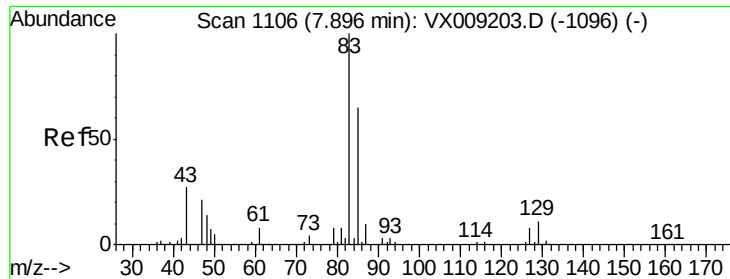
Tgt Ion: 63 Resp: 151236
 Ion Ratio Lower Upper
 63 100
 65 30.3 25.0 37.6



#46
 Dibromomethane
 Concen: 53.337 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX009198.D
 Acq: 29 Apr 2019 10:26

Tgt Ion: 93 Resp: 85765
 Ion Ratio Lower Upper
 93 100
 95 83.1 66.5 99.7
 174 103.6 82.1 123.1





#47

Bromodichloromethane

Concen: 55.525 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX009198.D

Acq: 29 Apr 2019 10:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

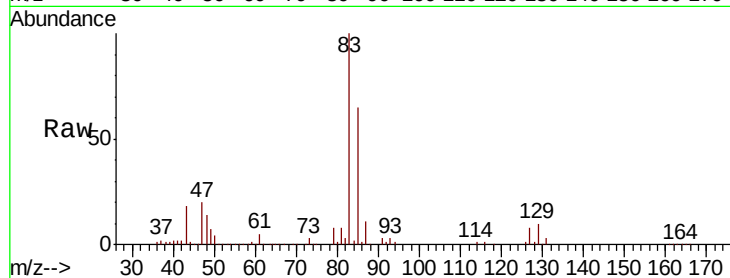
Tgt Ion: 83 Resp: 178097

Ion Ratio Lower Upper

83 100

85 65.4 52.4 78.6

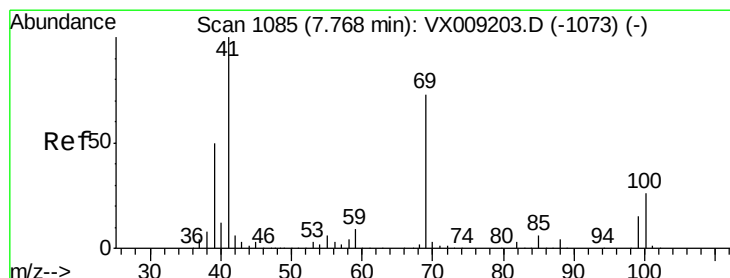
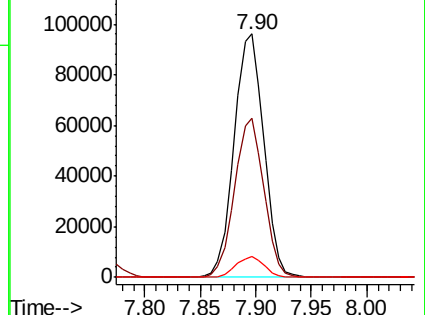
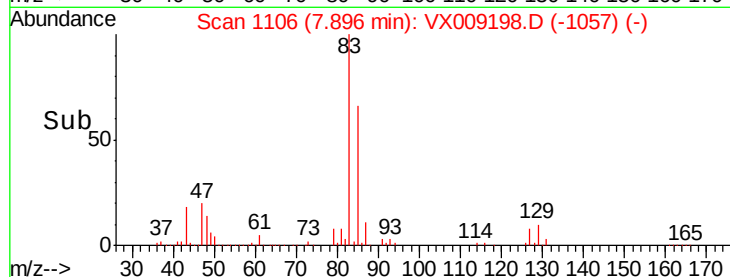
127 8.5 6.6 10.0



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 54.646 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. -0.00 min

Lab File: VX009198.D

Acq: 29 Apr 2019 10:26

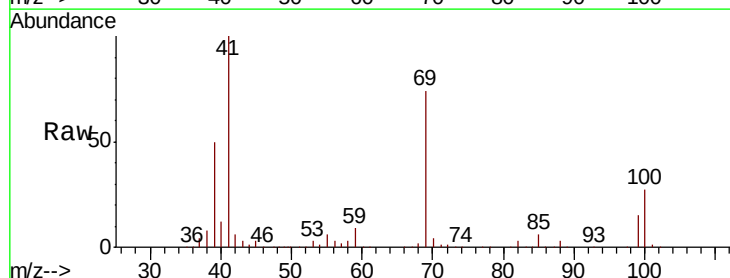
Tgt Ion: 41 Resp: 190919

Ion Ratio Lower Upper

41 100

69 74.4 59.1 88.7

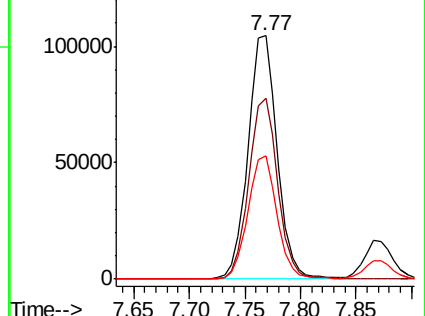
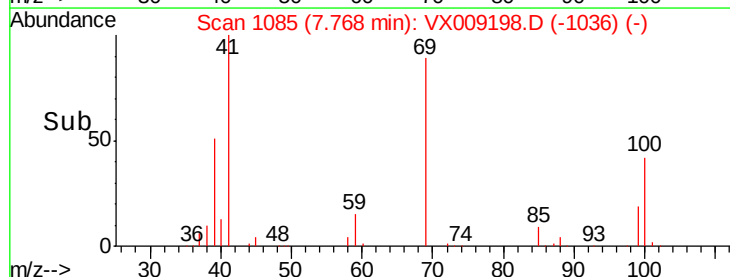
39 50.4 40.4 60.6

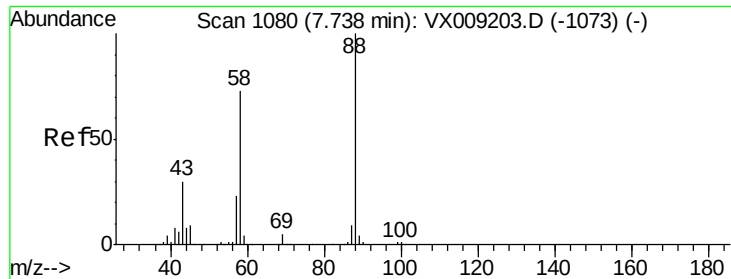


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

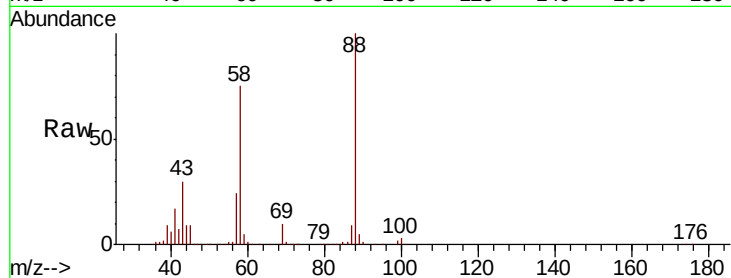




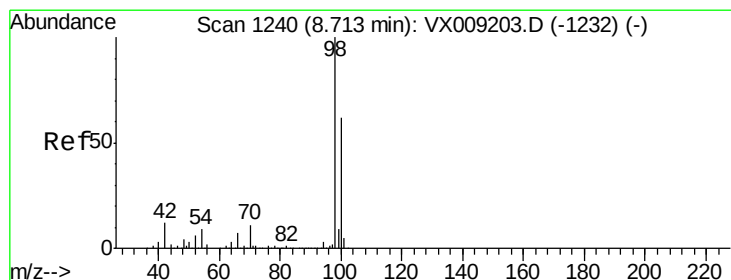
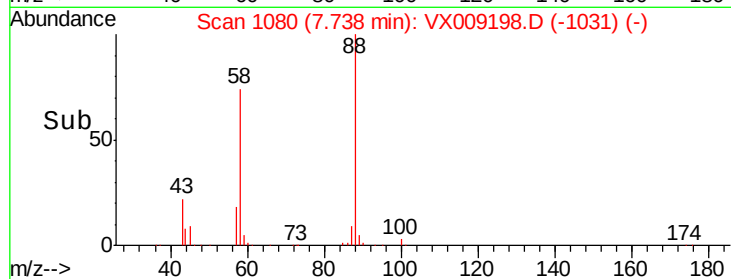
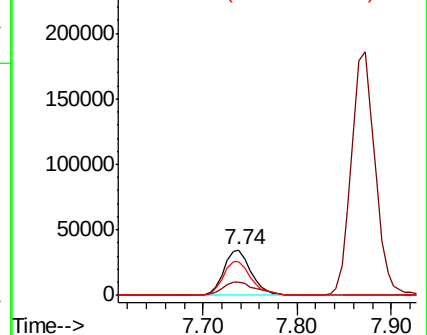
#49
 1,4-Dioxane
 Concen: 982.618 ug/l
 RT: 7.74 min Scan# 1080
 Delta R.T. -0.00 min
 Lab File: VX009198.D
 Acq: 29 Apr 2019 10:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 88 Resp: 69621
 Ion Ratio Lower Upper
 88 100
 43 36.4 28.6 42.8
 58 77.9 61.7 92.5

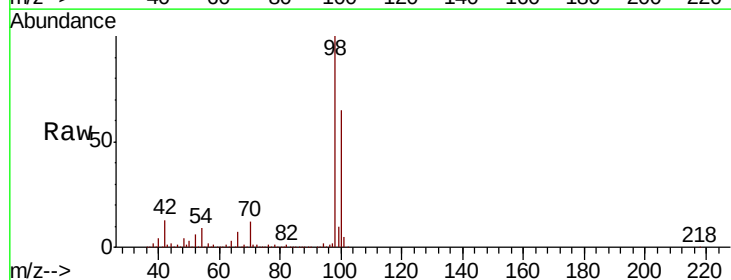


Abundance Ion 88.00 (87.70 to 88.70): VX0
 Ion 43.00 (42.70 to 43.70): VX0
 Ion 58.00 (57.70 to 58.70): VX0

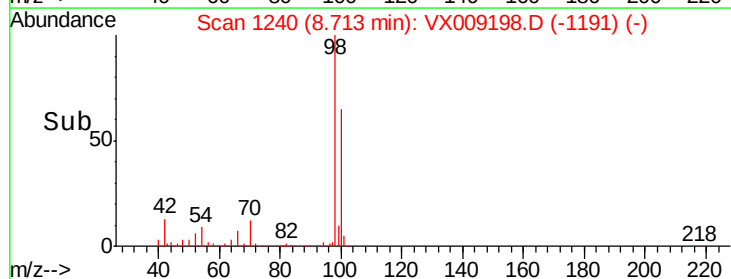
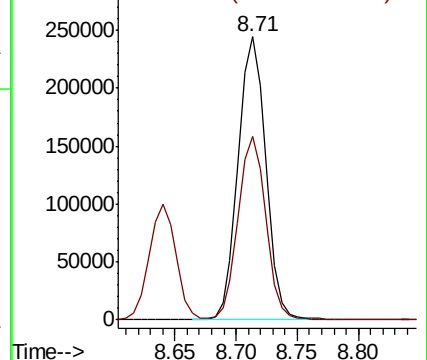


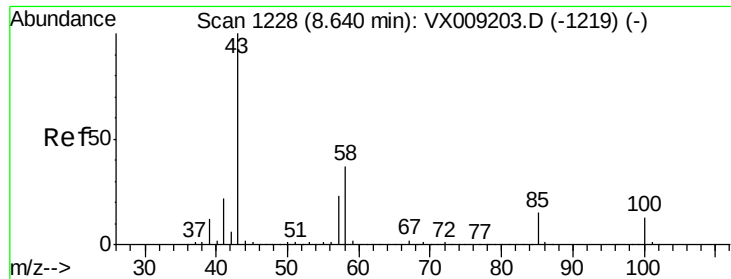
#50
 Toluene-d8
 Concen: 44.395 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: VX009198.D
 Acq: 29 Apr 2019 10:26

Tgt Ion: 98 Resp: 383108
 Ion Ratio Lower Upper
 98 100
 100 65.0 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0
 Ion 100.00 (99.70 to 100.70): V

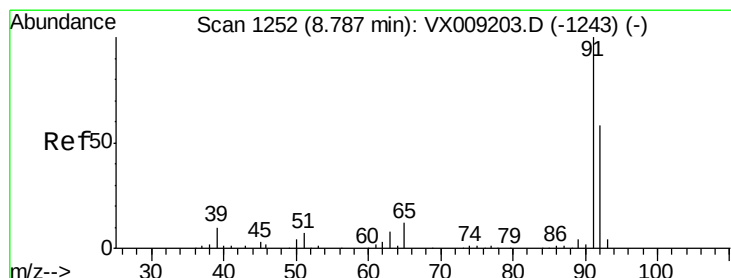
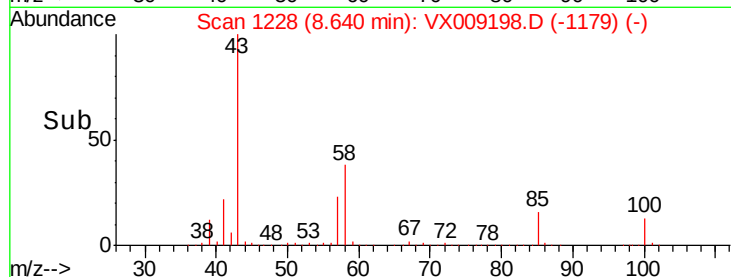
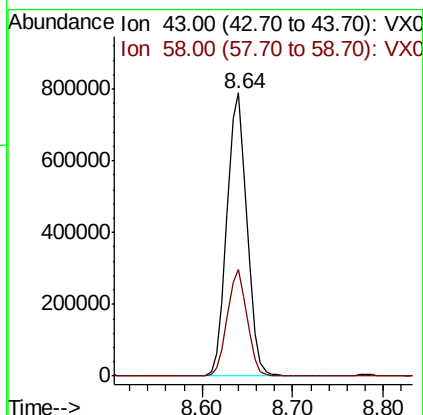
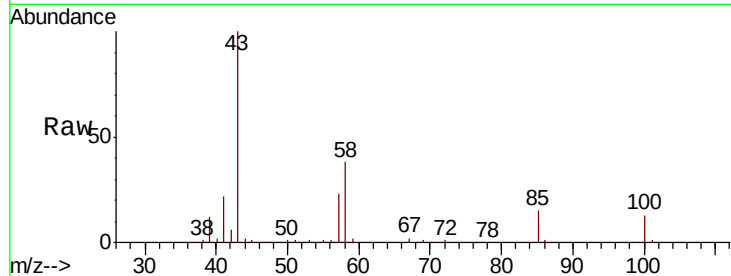




#51
4-Methyl-2-Pentanone
Concen: 264.678 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VX009198.D
Acq: 29 Apr 2019 10:26

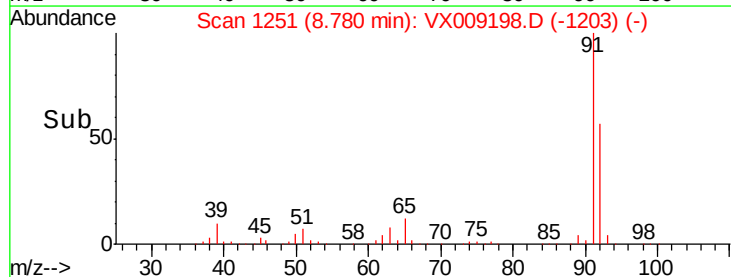
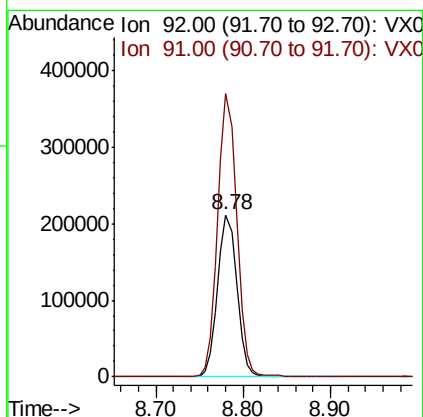
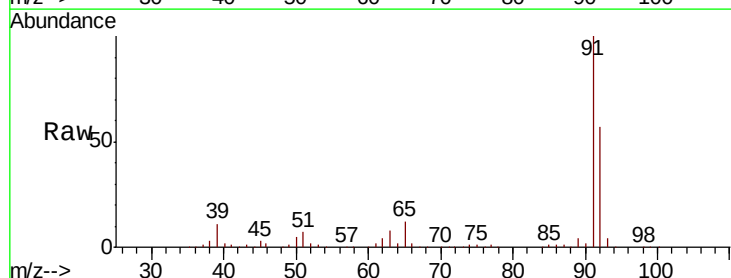
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

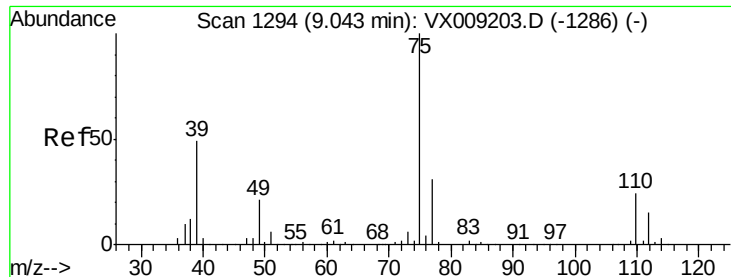
Tgt Ion: 43 Resp: 1218271
Ion Ratio Lower Upper
43 100
58 37.2 29.5 44.3



#52
Toluene
Concen: 54.774 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.01 min
Lab File: VX009198.D
Acq: 29 Apr 2019 10:26

Tgt Ion: 92 Resp: 325599
Ion Ratio Lower Upper
92 100
91 173.1 138.8 208.2





#53

t-1,3-Dichloropropene

Concen: 57.885 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. -0.01 min

Lab File: VX009198.D

Acq: 29 Apr 2019 10:26

Instrument :

MSVOA_X

ClientSampleId :

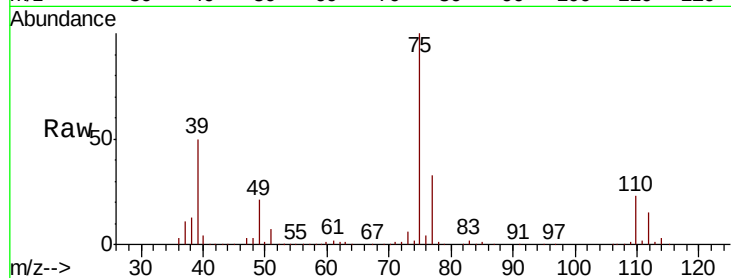
VSTDCCC050

Tgt Ion: 75 Resp: 209620

Ion Ratio Lower Upper

75 100

77 32.5 25.0 37.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

9.04

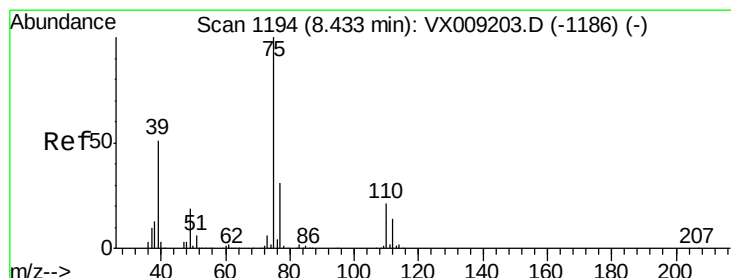
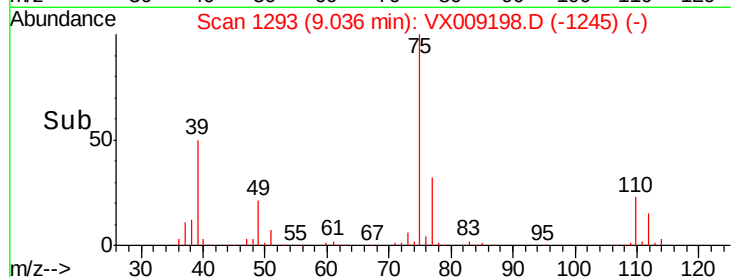
150000

100000

50000

0

Time--> 8.90 9.00 9.10 9.20



#54

cis-1,3-Dichloropropene

Concen: 56.966 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX009198.D

Acq: 29 Apr 2019 10:26

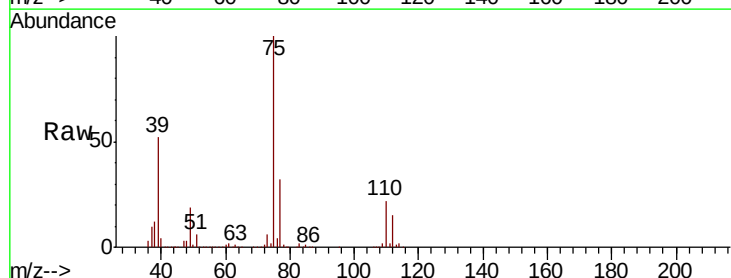
Tgt Ion: 75 Resp: 228335

Ion Ratio Lower Upper

75 100

77 32.0 24.6 36.8

39 51.7 40.6 60.8



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

8.43

200000

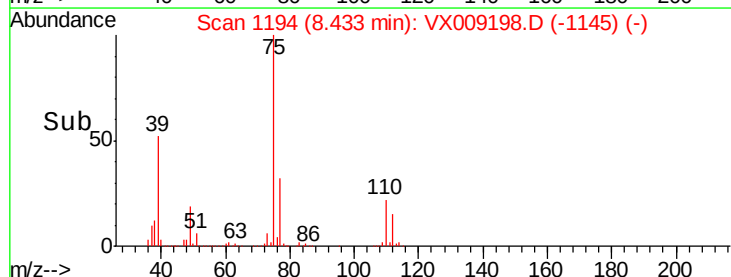
150000

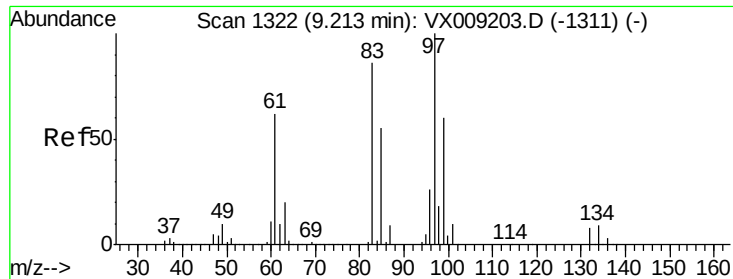
100000

50000

0

Time--> 8.30 8.40 8.50 8.60

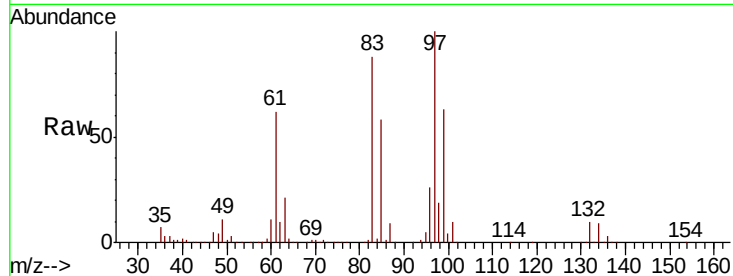




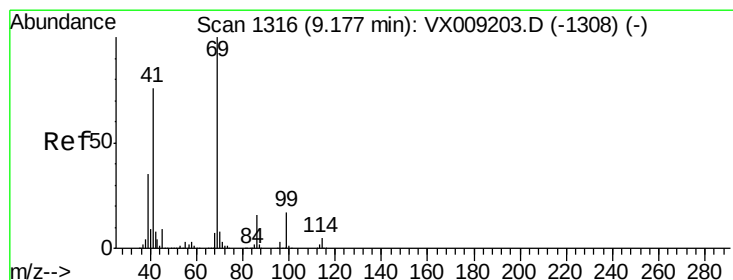
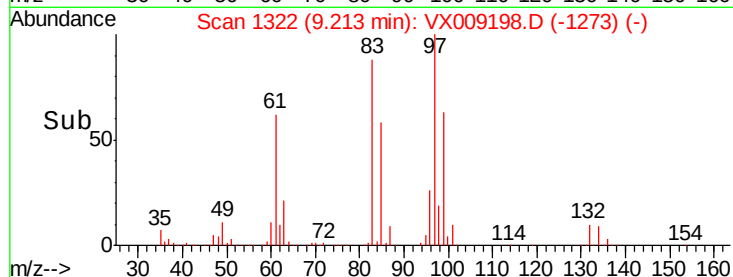
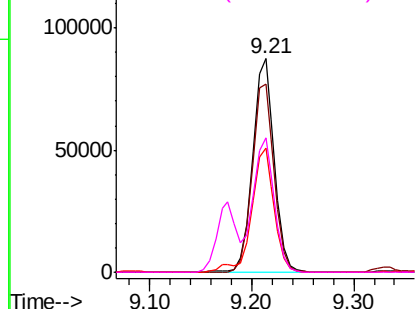
#55
 1,1,2-Trichloroethane
 Concen: 53.231 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX009198.D
 Acq: 29 Apr 2019 10:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion:	97	Resp:	129093
Ion	Ratio	Lower	Upper
97	100		
83	88.1	68.9	103.3
85	58.2	43.8	65.6
99	63.0	48.2	72.2

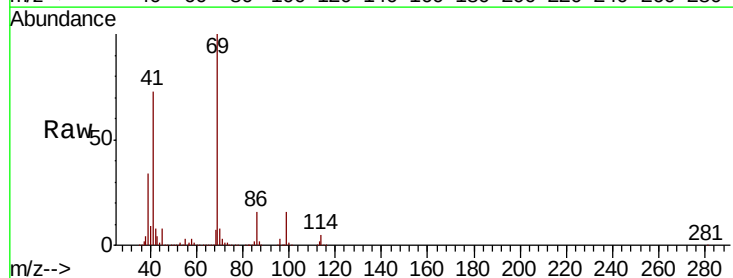


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

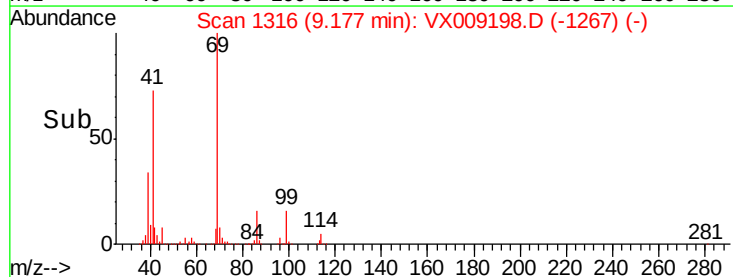
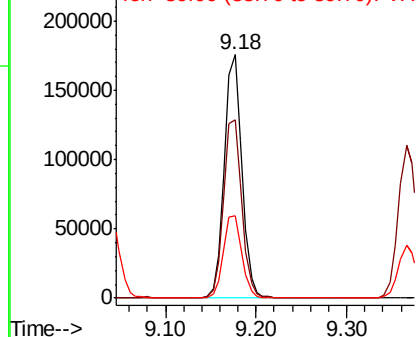


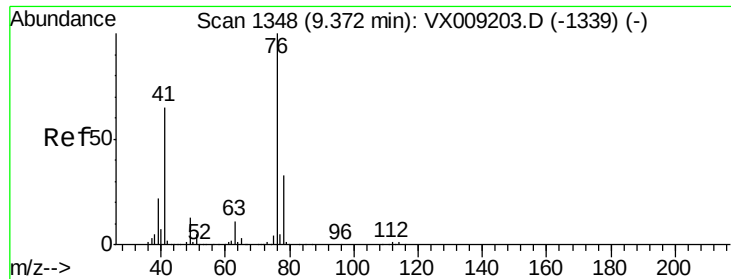
#56
 Ethyl methacrylate
 Concen: 55.321 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX009198.D
 Acq: 29 Apr 2019 10:26

Tgt Ion:	69	Resp:	239486
Ion	Ratio	Lower	Upper
69	100		
41	75.8	60.6	90.8
39	35.4	28.2	42.4



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

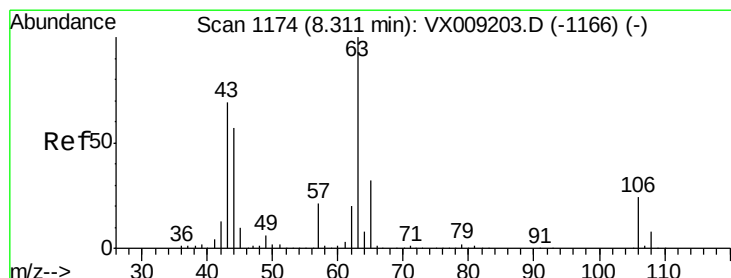
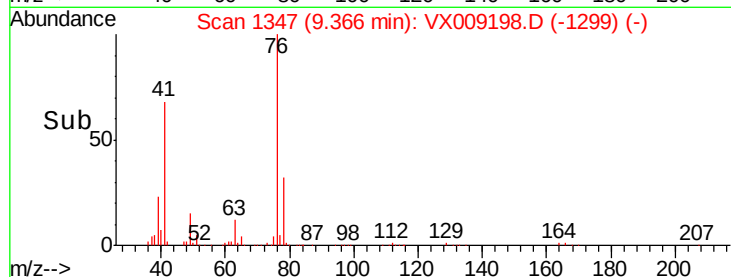
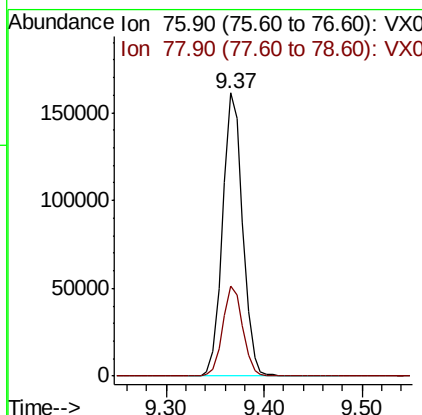
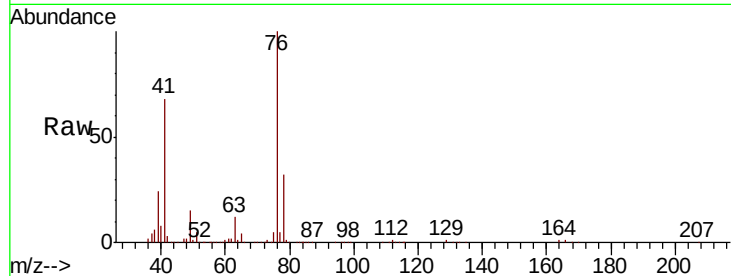




#57
 1,3-Dichloropropane
 Concen: 53.715 ug/l
 RT: 9.37 min Scan# 1347
 Delta R.T. -0.01 min
 Lab File: VX009198.D
 Acq: 29 Apr 2019 10:26

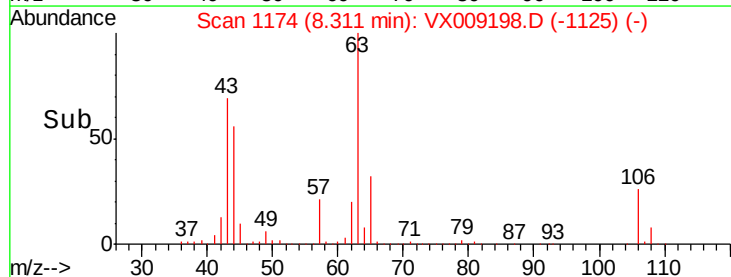
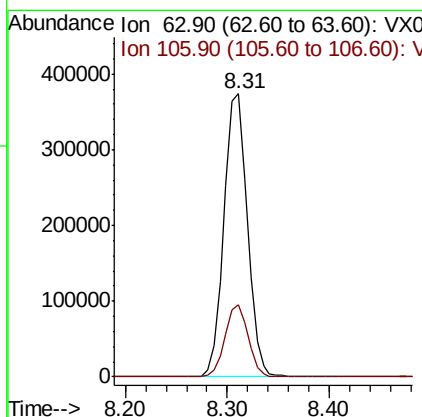
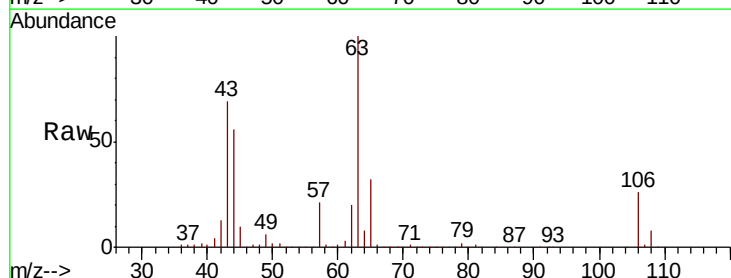
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

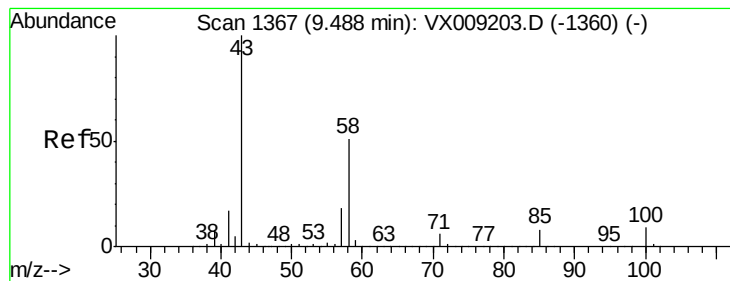
Tgt Ion: 76 Resp: 229236
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 259.761 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VX009198.D
 Acq: 29 Apr 2019 10:26

Tgt Ion: 63 Resp: 596548
 Ion Ratio Lower Upper
 63 100
 106 25.0 19.7 29.5





#59

2-Hexanone

Concen: 265.750 ug/l

RT: 9.49 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VX009198.D

Acq: 29 Apr 2019 10:26

Instrument :

MSVOA_X

ClientSampleId :

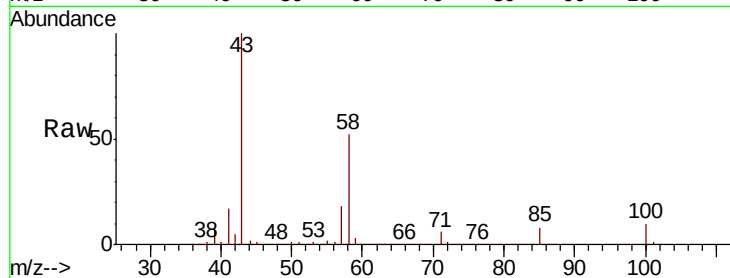
VSTDCCC050

Tgt Ion: 43 Resp: 960690

Ion Ratio Lower Upper

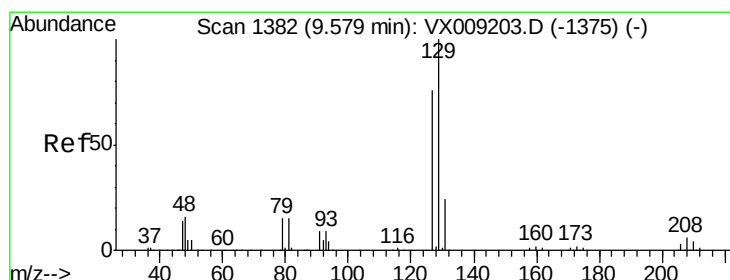
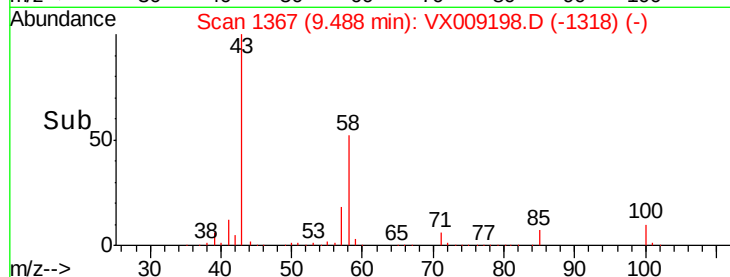
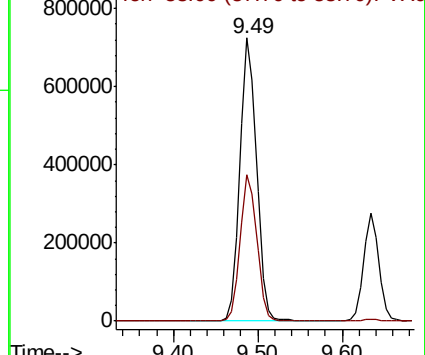
43 100

58 51.9 25.9 77.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#60

Dibromochloromethane

Concen: 56.563 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VX009198.D

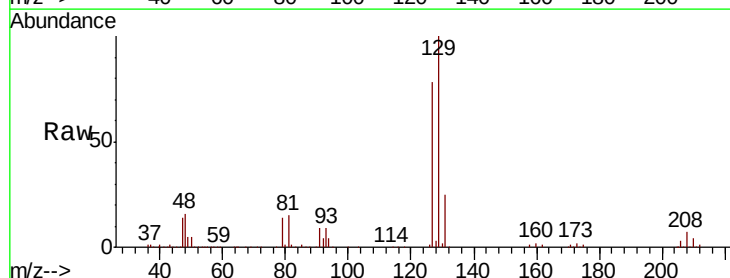
Acq: 29 Apr 2019 10:26

Tgt Ion: 129 Resp: 133976

Ion Ratio Lower Upper

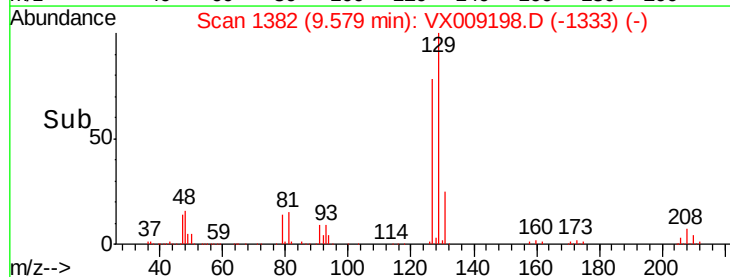
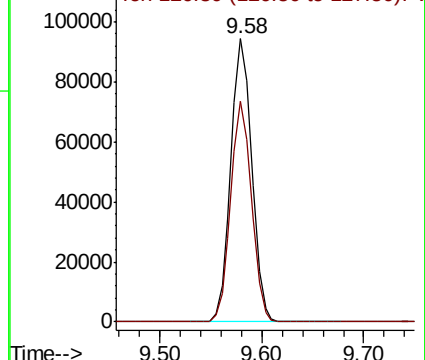
129 100

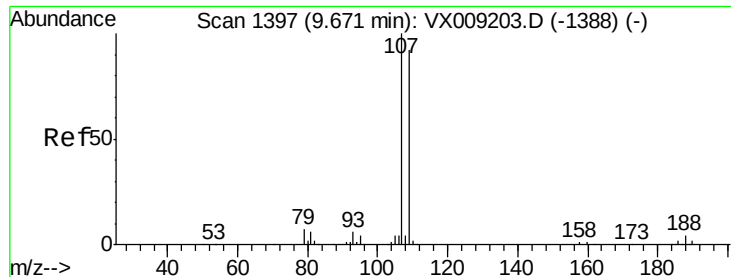
127 77.3 38.4 115.1



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





#61

1,2-Dibromoethane

Concen: 54.656 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX009198.D

Acq: 29 Apr 2019 10:26

Instrument :

MSVOA_X

ClientSampleId :

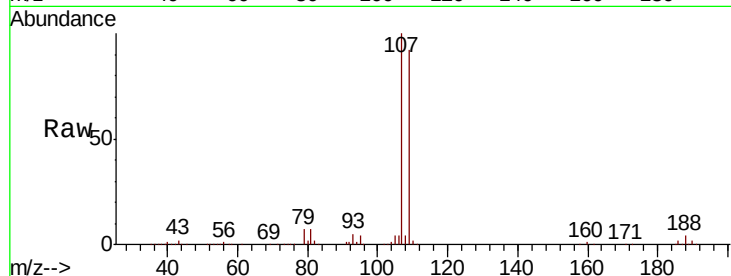
VSTDCCC050

Tgt Ion: 107 Resp: 133800

Ion Ratio Lower Upper

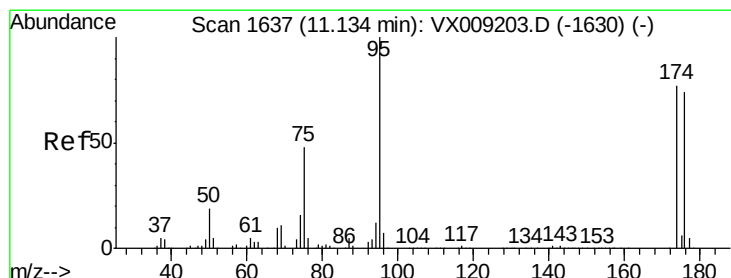
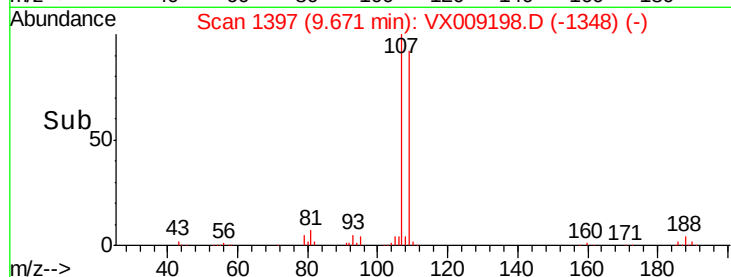
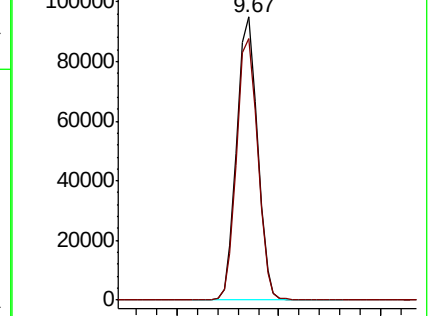
107 100

109 93.9 75.2 112.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 45.888 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009198.D

Acq: 29 Apr 2019 10:26

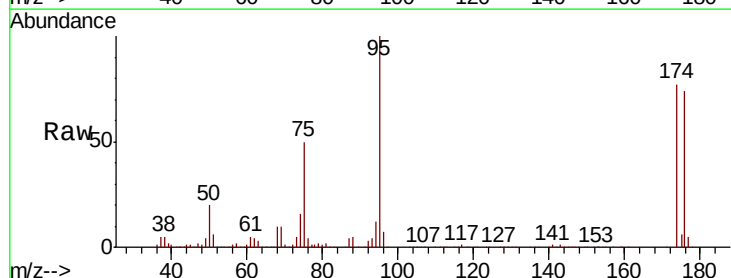
Tgt Ion: 95 Resp: 143886

Ion Ratio Lower Upper

95 100

174 80.5 0.0 161.6

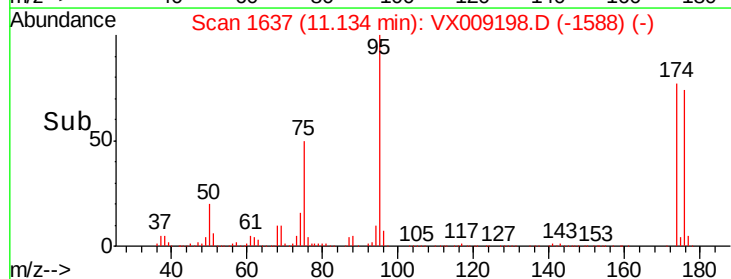
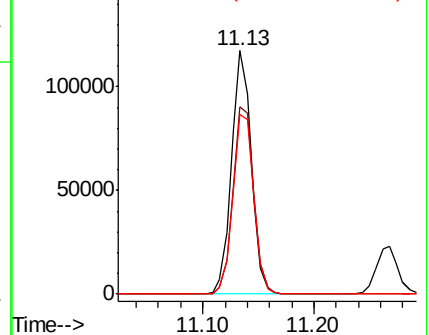
176 78.0 0.0 159.2

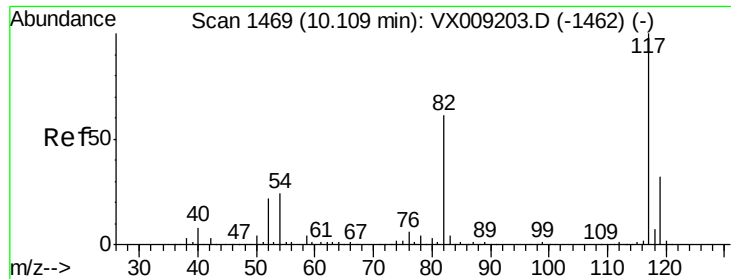


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

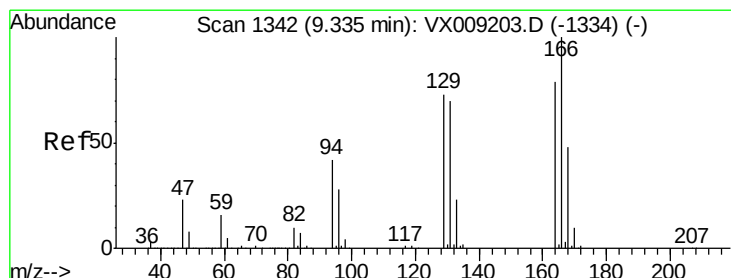
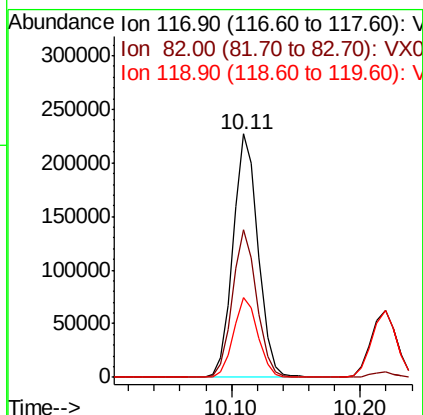
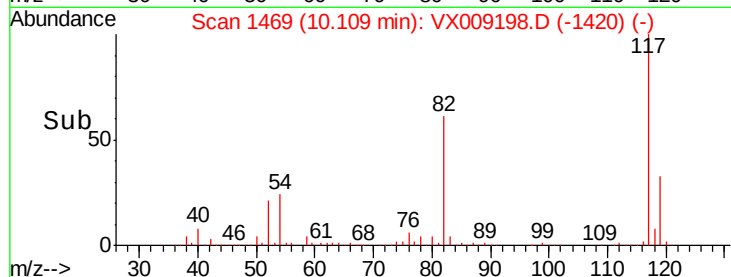
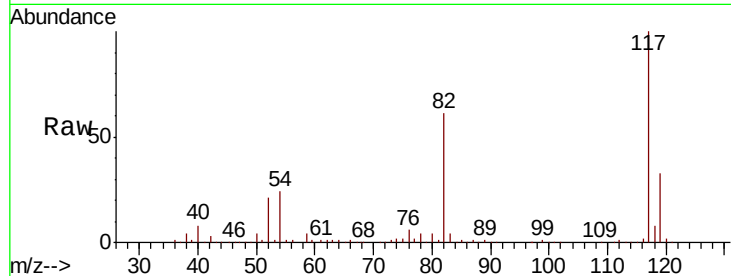




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009198.D
Acq: 29 Apr 2019 10:26

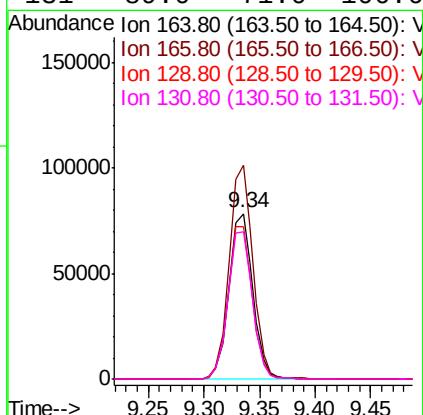
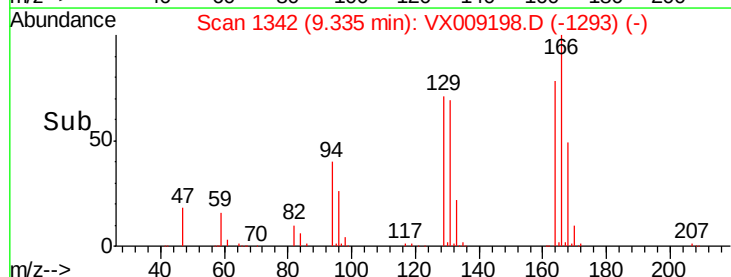
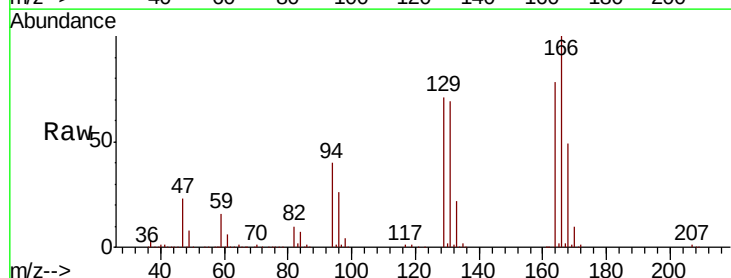
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

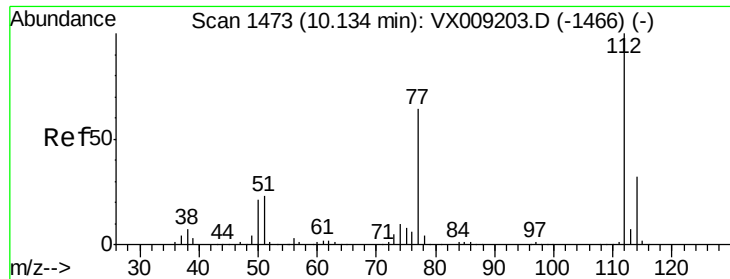
Tgt Ion:117 Resp: 307020
Ion Ratio Lower Upper
117 100
82 60.7 48.8 73.2
119 32.7 25.8 38.6



#64
Tetrachloroethene
Concen: 55.243 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX009198.D
Acq: 29 Apr 2019 10:26

Tgt Ion:164 Resp: 116342
Ion Ratio Lower Upper
164 100
166 129.0 101.2 151.8
129 91.7 74.3 111.5
131 89.0 71.0 106.6

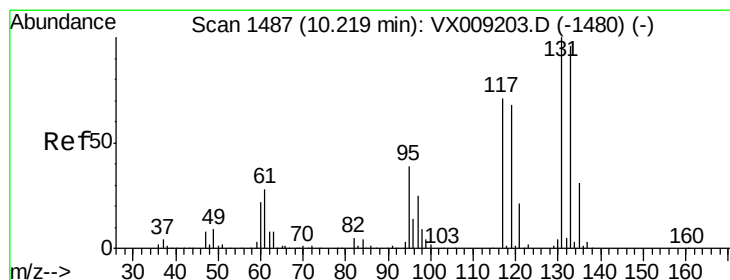
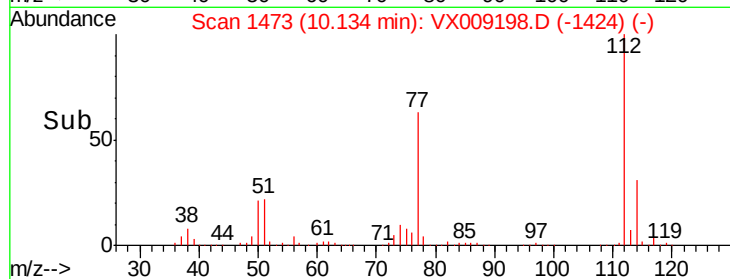
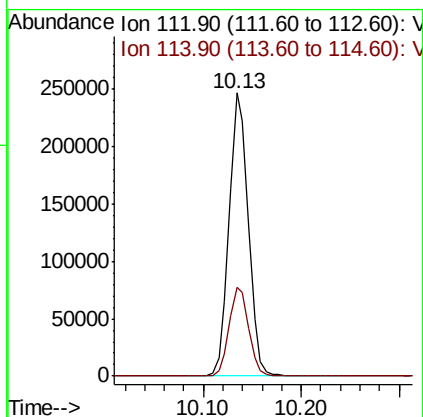
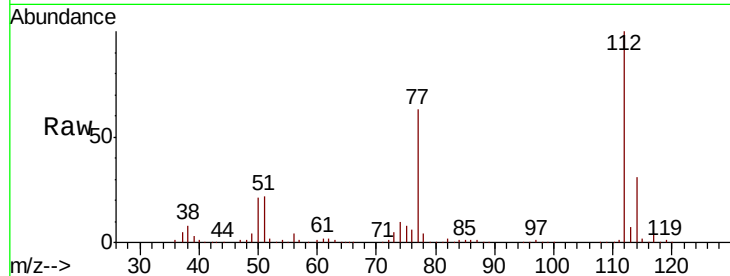




#65
Chlorobenzene
Concen: 54.835 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VX009198.D
Acq: 29 Apr 2019 10:26

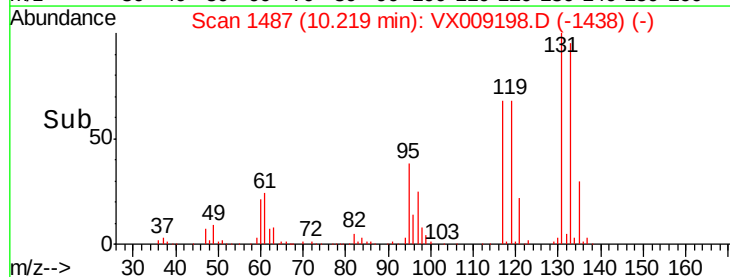
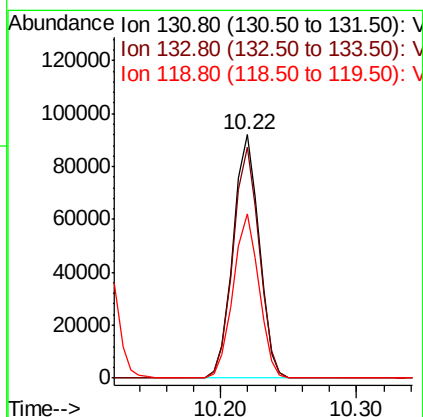
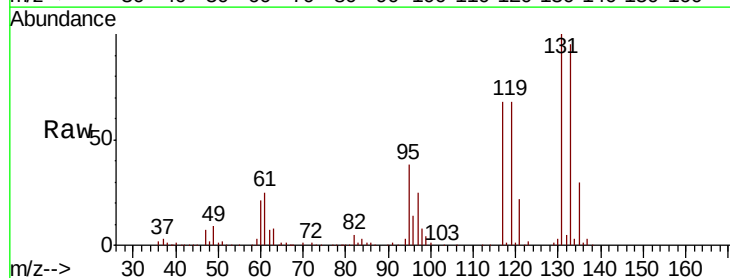
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

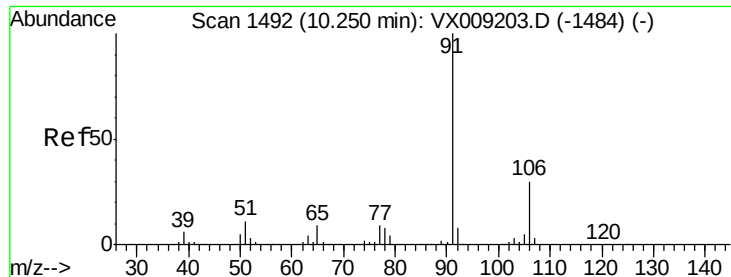
Tgt Ion:112 Resp: 336784
Ion Ratio Lower Upper
112 100
114 31.4 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 55.314 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX009198.D
Acq: 29 Apr 2019 10:26

Tgt Ion:131 Resp: 123166
Ion Ratio Lower Upper
131 100
133 95.4 47.7 143.1
119 66.9 33.5 100.4





#67

Ethyl Benzene

Concen: 55.674 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX009198.D

Acq: 29 Apr 2019 10:26

Instrument :

MSVOA_X

ClientSampleId :

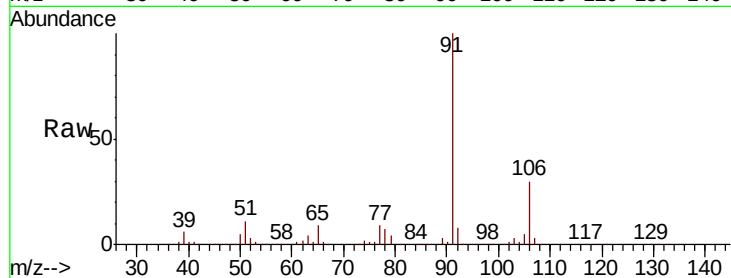
VSTDCCC050

Tgt Ion: 91 Resp: 629300

Ion Ratio Lower Upper

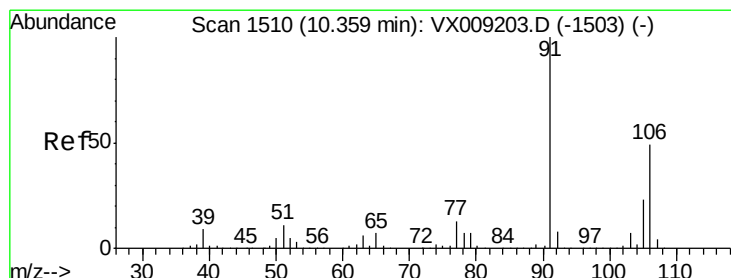
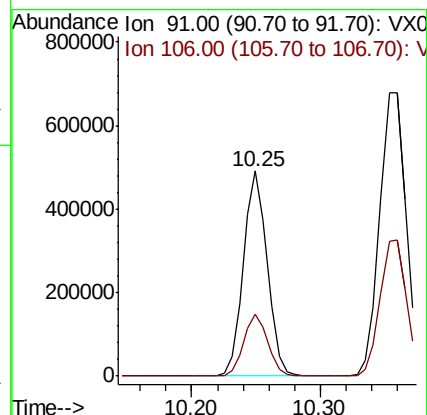
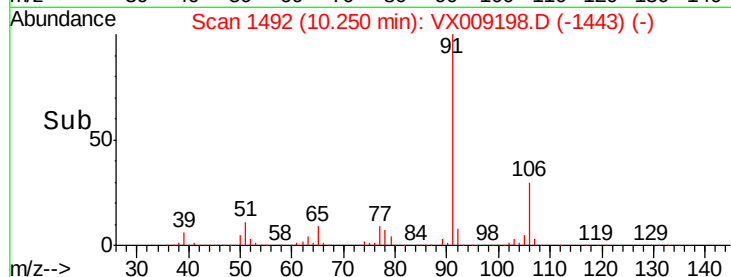
91 100

106 30.1 24.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VX009198.D (-1443) (-)

Ion 106.00 (105.70 to 106.70): VX009198.D (-1443) (-)



#68

m/p-Xylenes

Concen: 112.021 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX009198.D

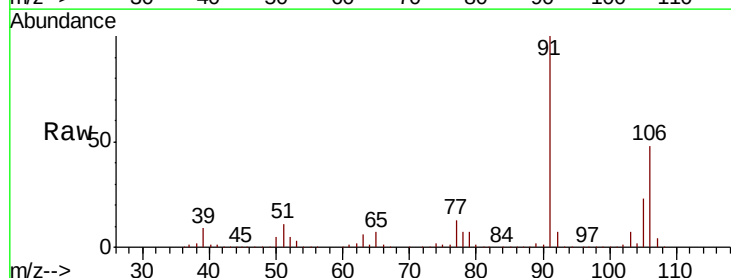
Acq: 29 Apr 2019 10:26

Tgt Ion: 106 Resp: 462707

Ion Ratio Lower Upper

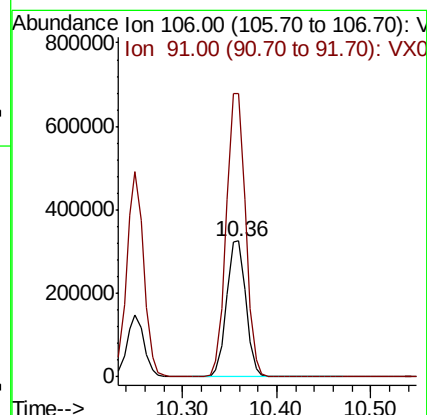
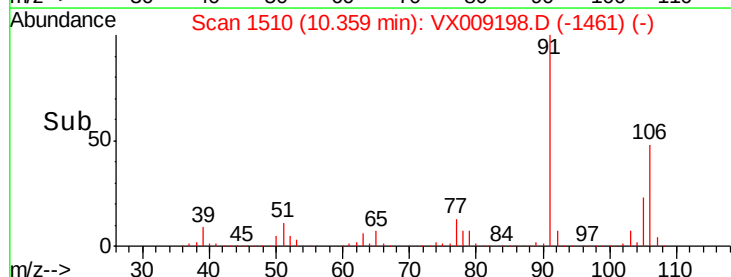
106 100

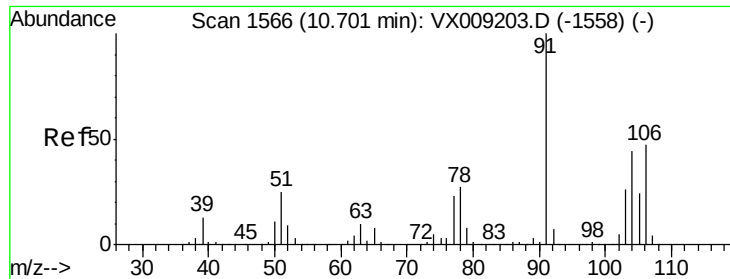
91 208.2 164.0 246.0



Abundance Ion 106.00 (105.70 to 106.70): VX009198.D (-1461) (-)

Ion 91.00 (90.70 to 91.70): VX009198.D (-1461) (-)

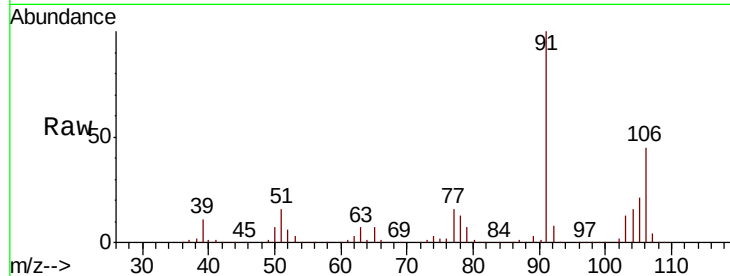




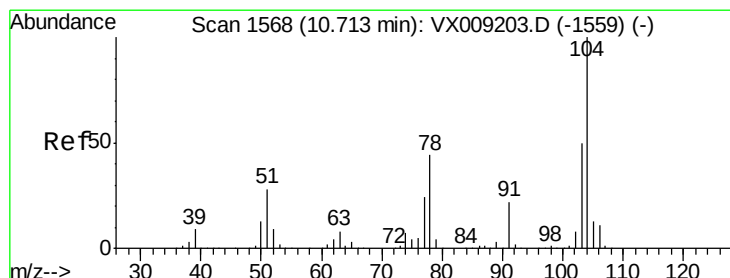
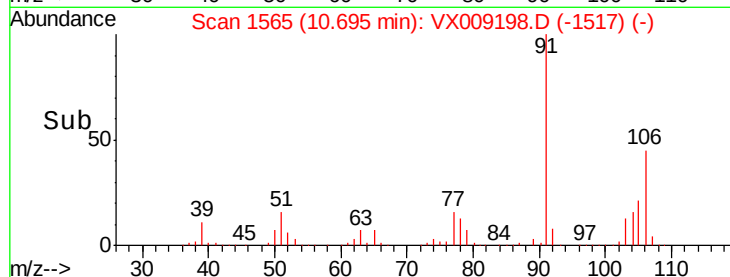
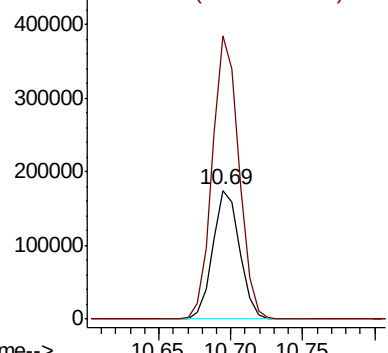
#69
o-Xylene
Concen: 55.296 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX009198.D
Acq: 29 Apr 2019 10:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 225352
Ion Ratio Lower Upper
106 100
91 218.8 109.5 328.4

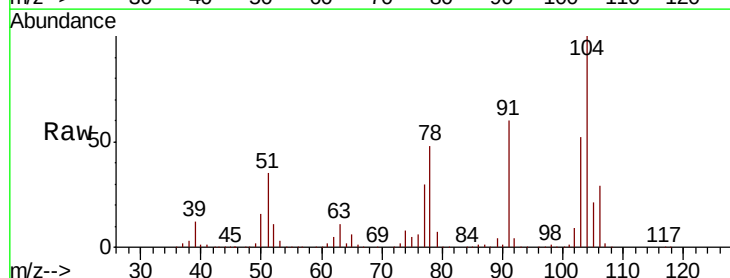


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

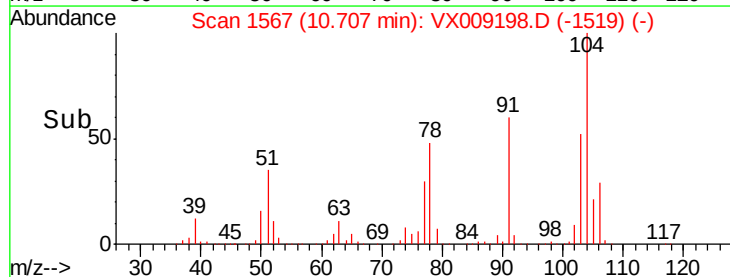
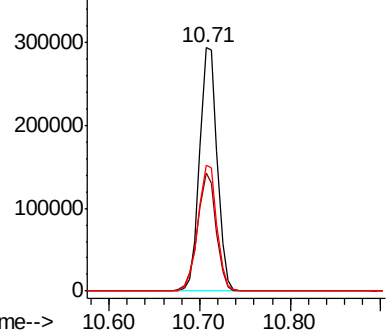


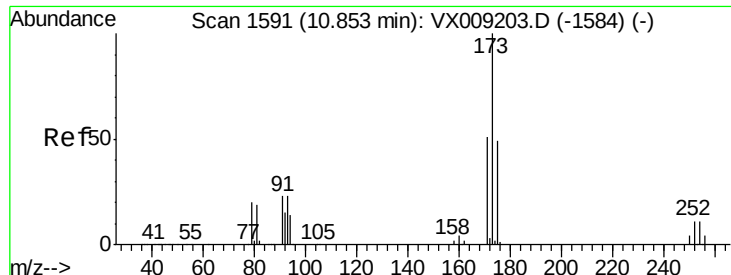
#70
Styrene
Concen: 56.049 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX009198.D
Acq: 29 Apr 2019 10:26

Tgt Ion:104 Resp: 397017
Ion Ratio Lower Upper
104 100
78 51.2 41.0 61.4
103 55.5 43.8 65.6



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





#71

Bromoform

Concen: 56.382 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX009198.D

Acq: 29 Apr 2019 10:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

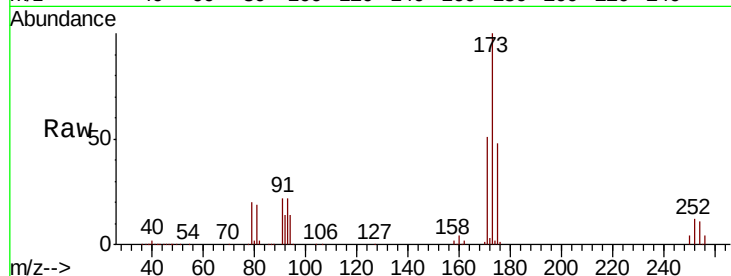
Tgt Ion:173 Resp: 102023

Ion Ratio Lower Upper

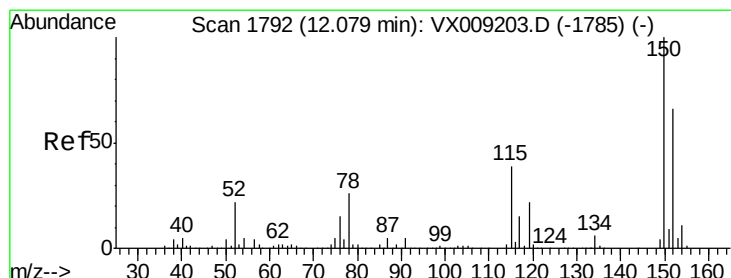
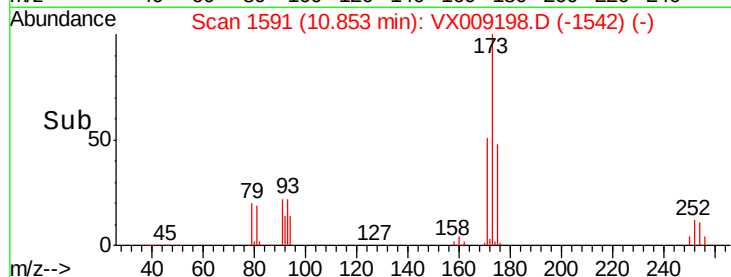
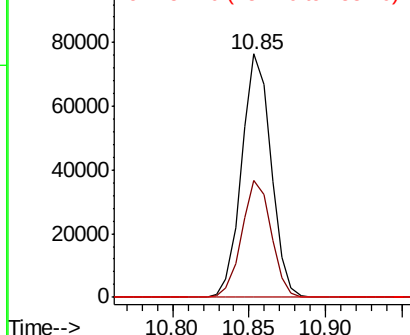
173 100

175 48.0 24.5 73.5

254 0.2 0.1 0.1#



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: VX009198.D

Acq: 29 Apr 2019 10:26

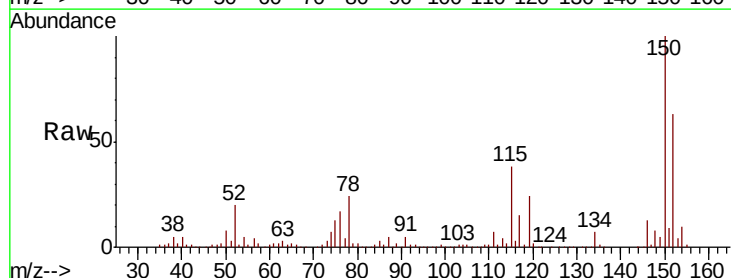
Tgt Ion:152 Resp: 154666

Ion Ratio Lower Upper

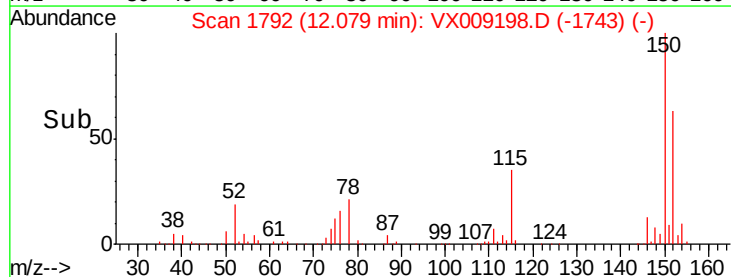
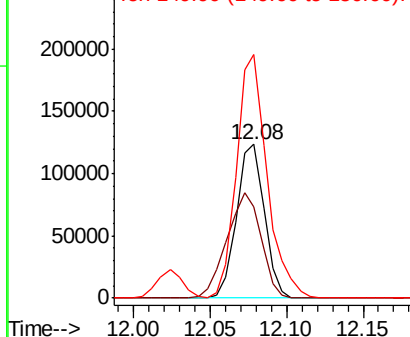
152 100

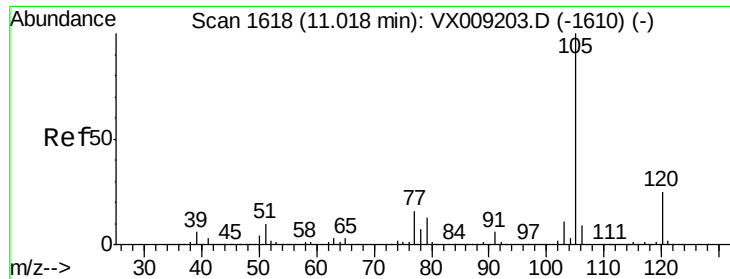
115 84.6 41.2 123.6

150 174.4 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: 53.871 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX009198.D

Acq: 29 Apr 2019 10:26

Instrument :

MSVOA_X

ClientSampleId :

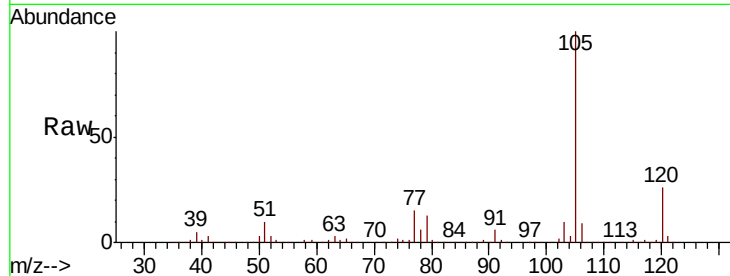
VSTDCCC050

Tgt Ion: 105 Resp: 605896

Ion Ratio Lower Upper

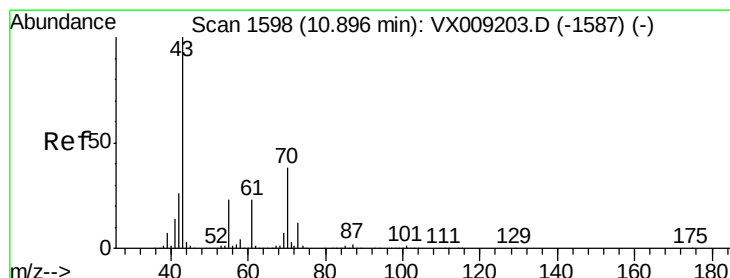
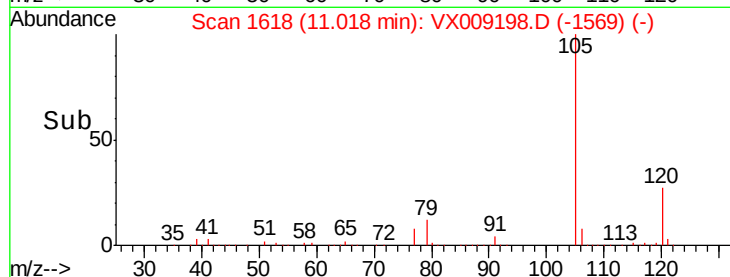
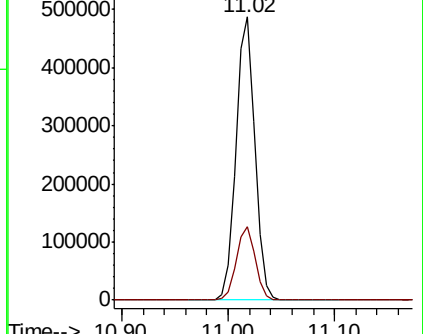
105 100

120 26.0 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 53.402 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX009198.D

Acq: 29 Apr 2019 10:26

Tgt Ion: 43 Resp: 350165

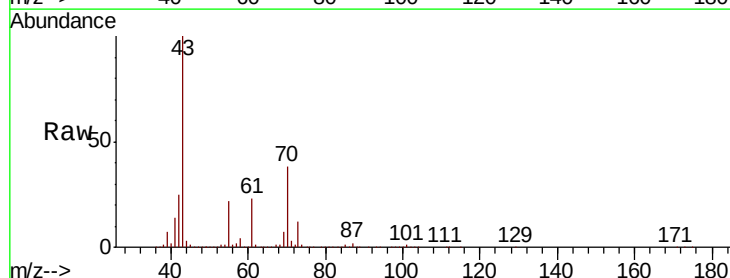
Ion Ratio Lower Upper

43 100

70 37.6 30.0 45.0

55 22.4 17.9 26.9

61 22.5 18.4 27.6

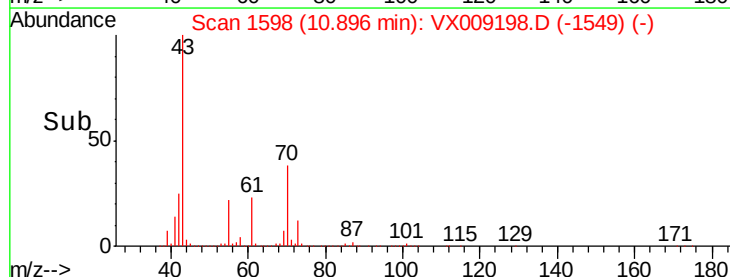
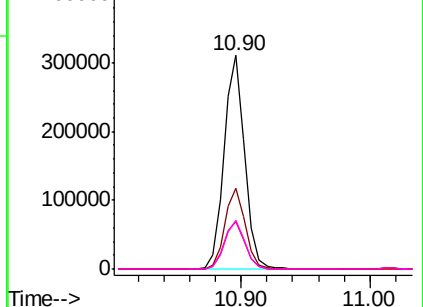


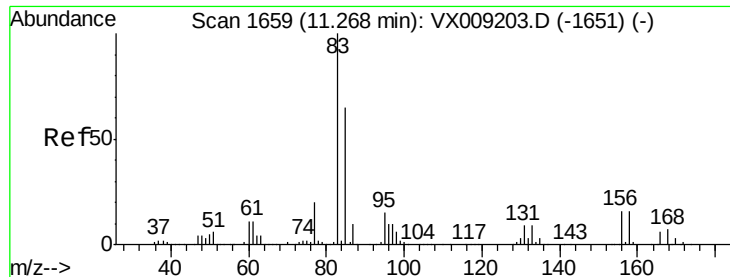
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 51.248 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX009198.D

Acq: 29 Apr 2019 10:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

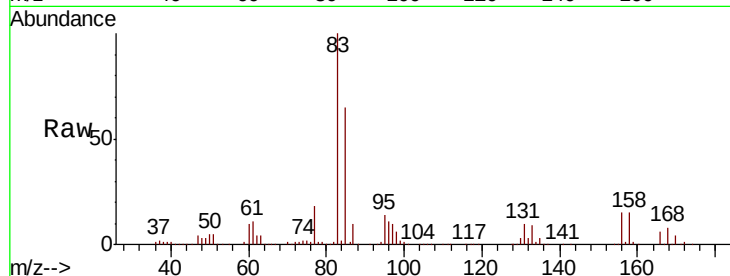
Tgt Ion: 83 Resp: 214869

Ion Ratio Lower Upper

83 100

131 9.3 4.6 13.8

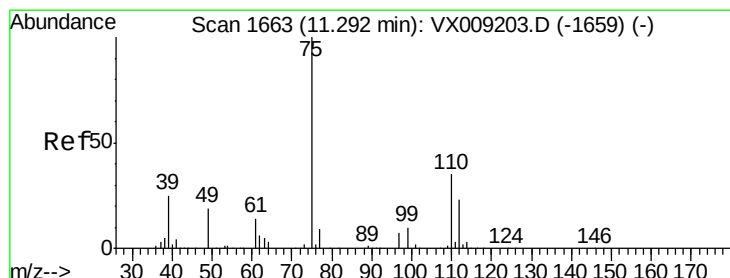
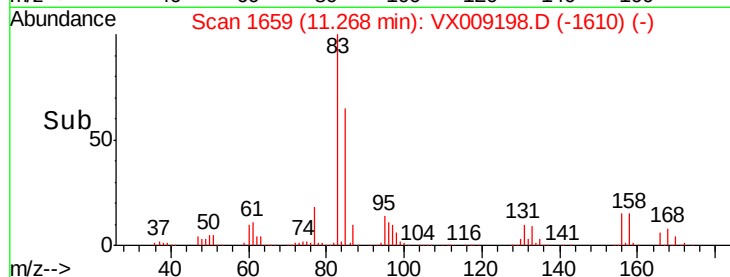
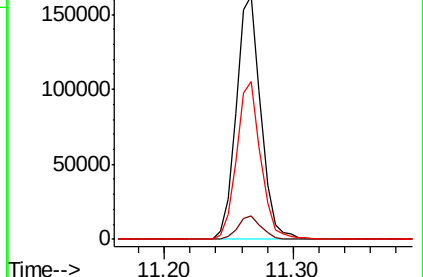
85 63.8 32.0 96.2



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 71.681 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VX009198.D

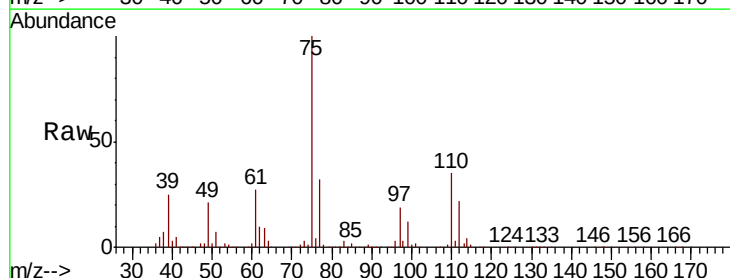
Acq: 29 Apr 2019 10:26

Tgt Ion: 75 Resp: 257171

Ion Ratio Lower Upper

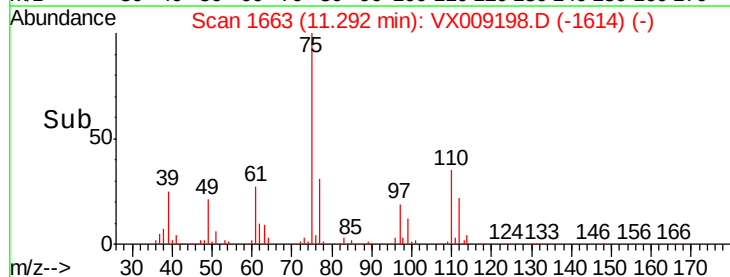
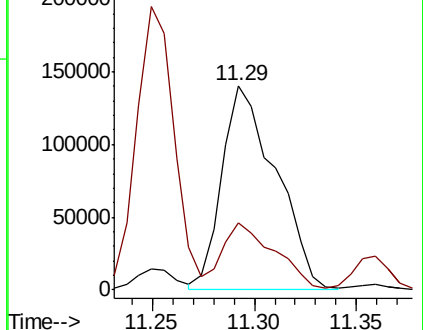
75 100

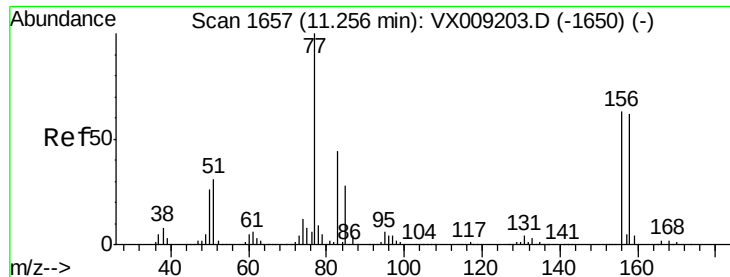
77 32.0 22.1 66.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 52.392 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX009198.D

Acq: 29 Apr 2019 10:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

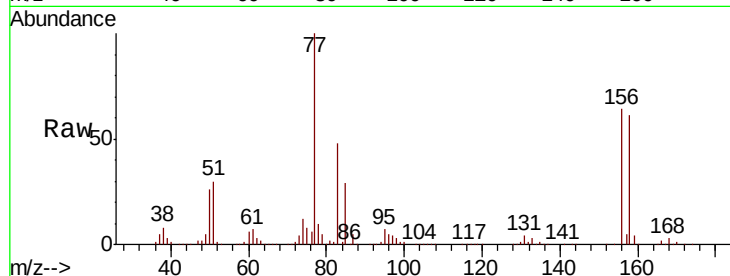
Tgt Ion:156 Resp: 146256

Ion Ratio Lower Upper

156 100

77 171.2 84.8 254.3

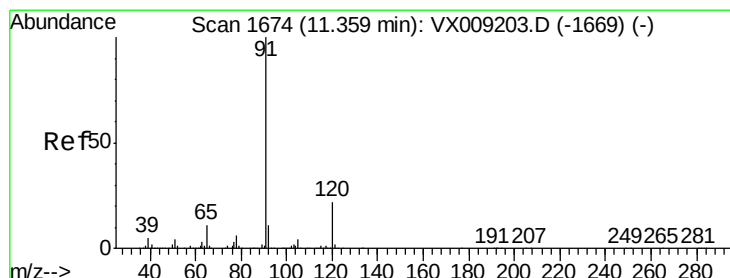
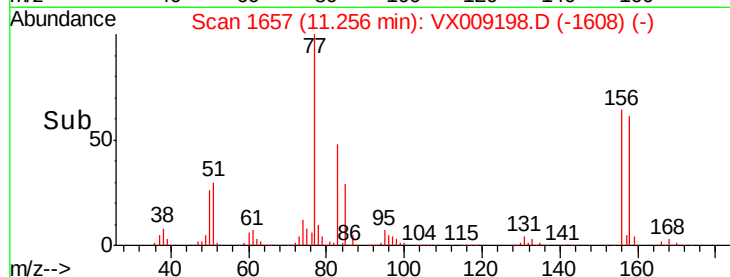
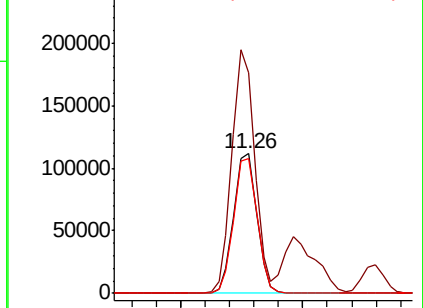
158 97.9 49.1 147.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 55.613 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX009198.D

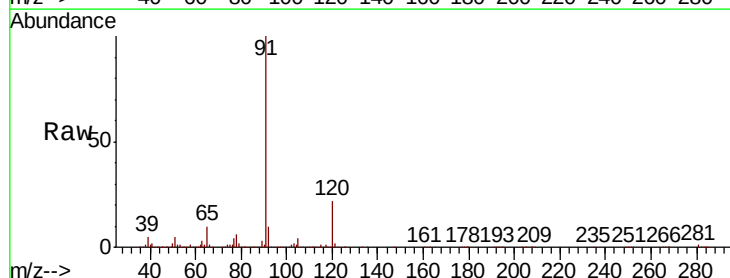
Acq: 29 Apr 2019 10:26

Tgt Ion: 91 Resp: 714340

Ion Ratio Lower Upper

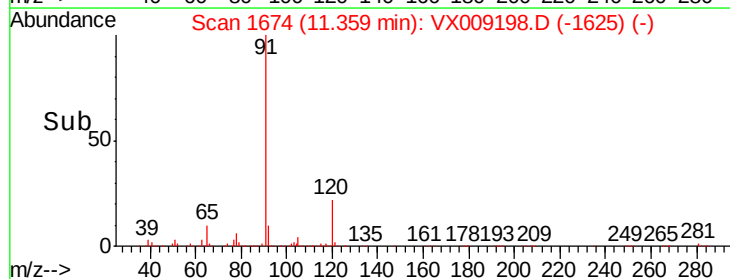
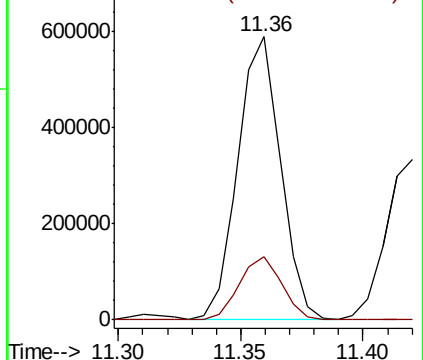
91 100

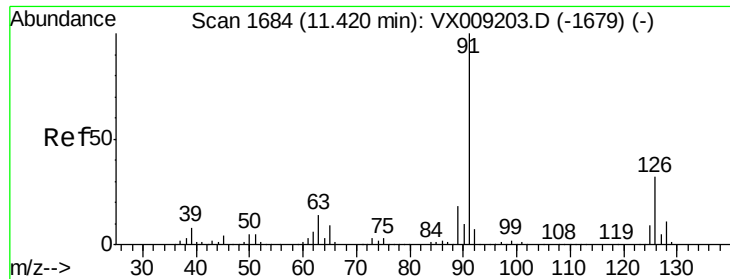
120 22.3 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

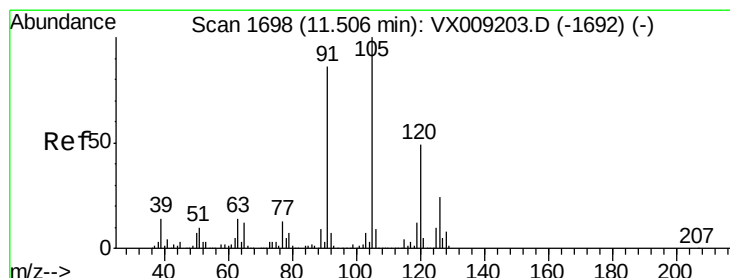
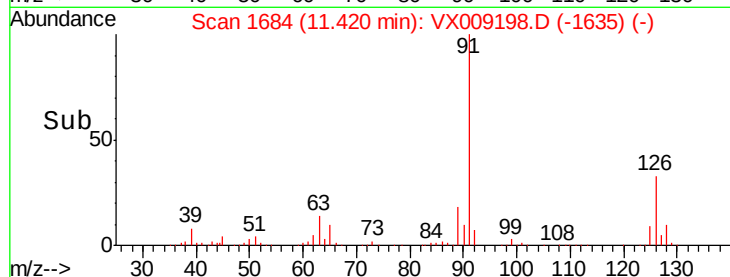
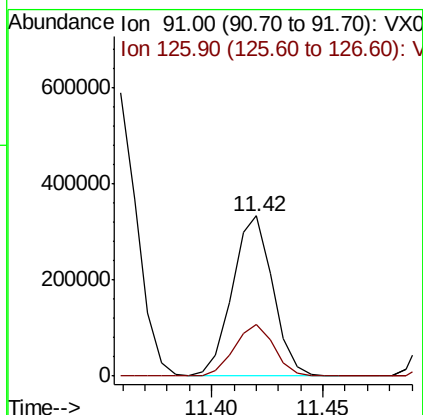
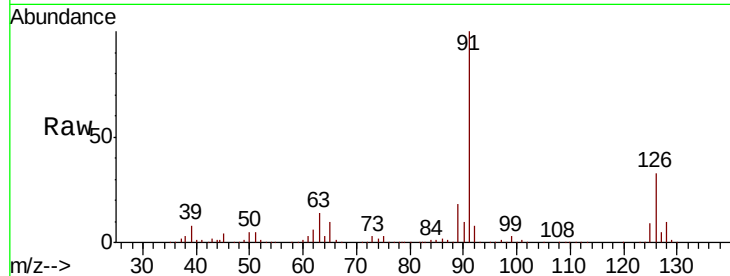




#79
 2-Chlorotoluene
 Concen: 52.942 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. -0.00 min
 Lab File: VX009198.D
 Acq: 29 Apr 2019 10:26

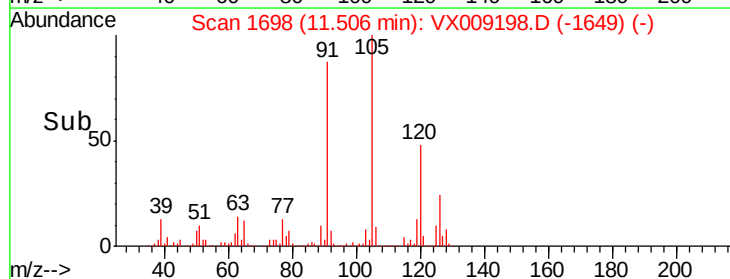
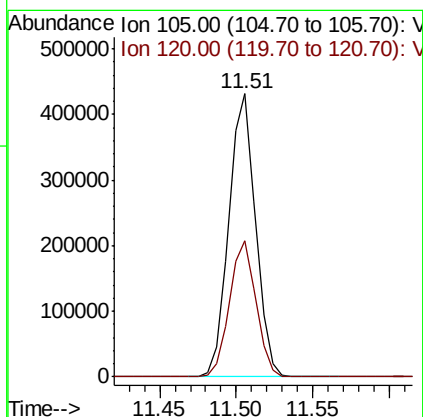
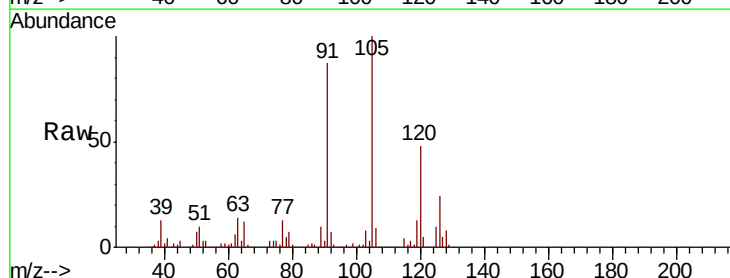
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

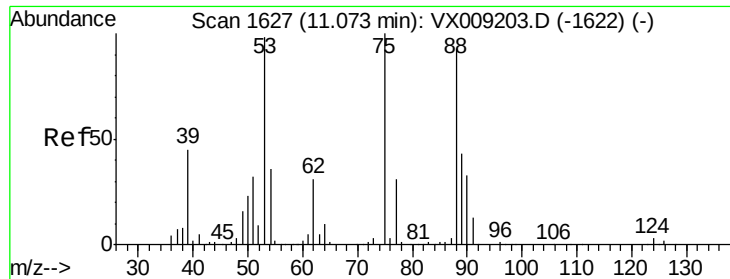
Tgt Ion: 91 Resp: 419541
 Ion Ratio Lower Upper
 91 100
 126 32.2 16.3 48.9



#80
 1,3,5-Trimethylbenzene
 Concen: 54.880 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX009198.D
 Acq: 29 Apr 2019 10:26

Tgt Ion: 105 Resp: 519725
 Ion Ratio Lower Upper
 105 100
 120 47.9 24.3 72.9





#81

trans-1,4-Dichloro-2-butene

Concen: 55.470 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX009198.D

Acq: 29 Apr 2019 10:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

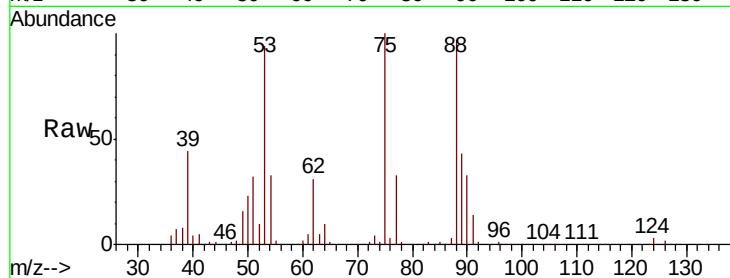
Tgt Ion: 75 Resp: 77779

Ion Ratio Lower Upper

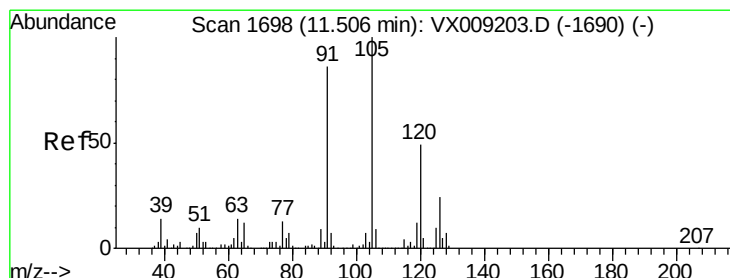
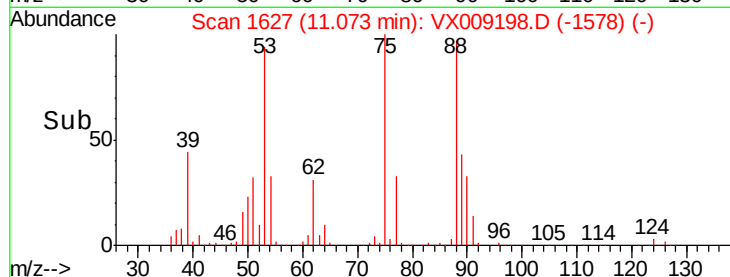
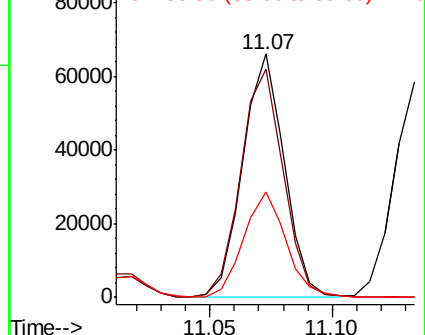
75 100

53 95.9 79.0 118.6

89 44.5 34.7 52.1



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 54.314 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX009198.D

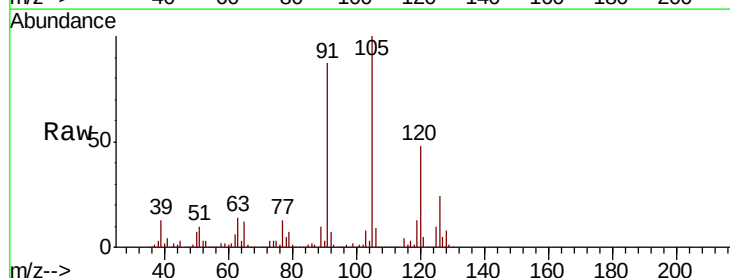
Acq: 29 Apr 2019 10:26

Tgt Ion: 91 Resp: 486243

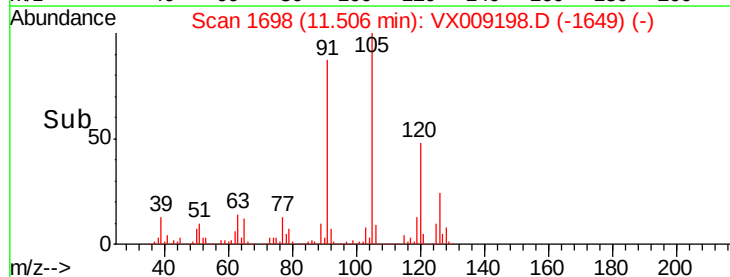
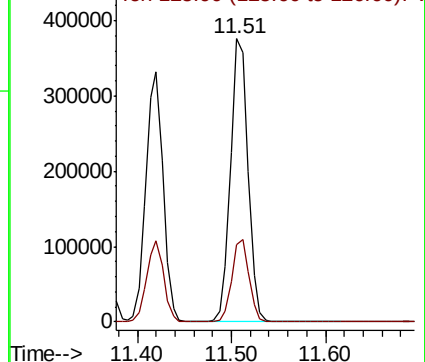
Ion Ratio Lower Upper

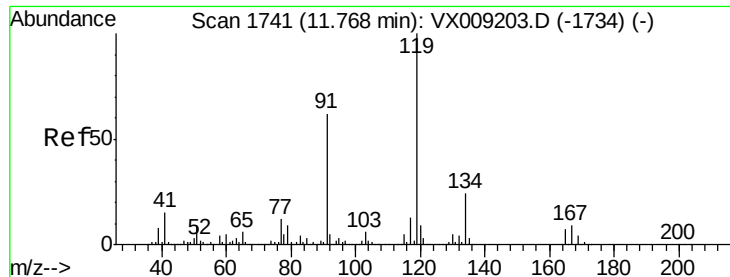
91 100

126 28.7 14.5 43.6



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 125.90 (125.60 to 126.60): V

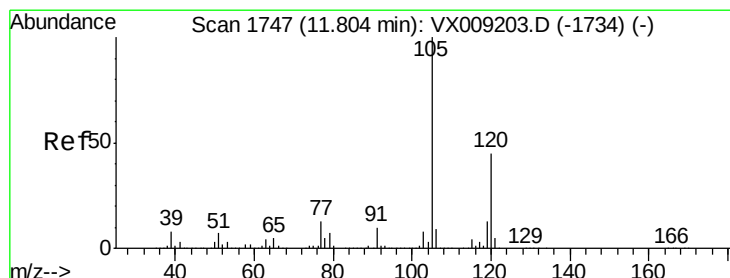
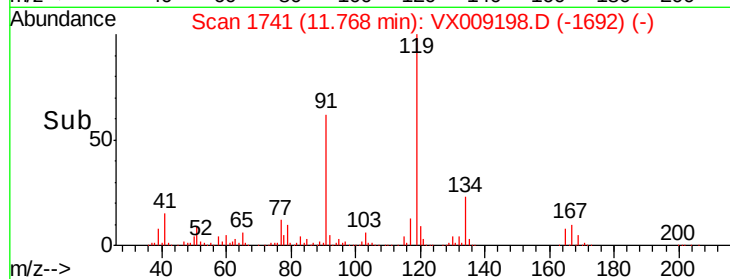
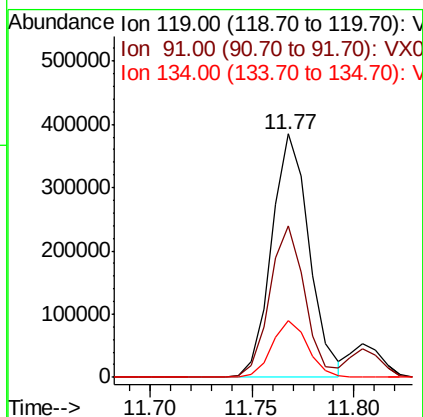
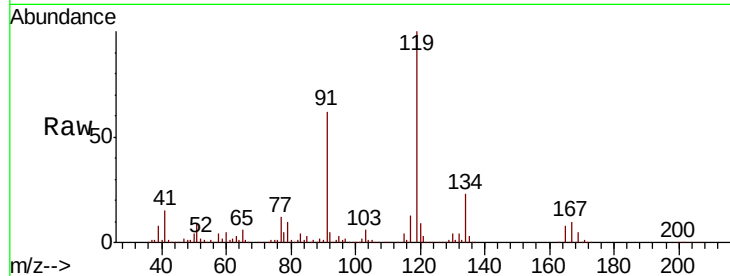




#83
 tert-Butylbenzene
 Concen: 53.708 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX009198.D
 Acq: 29 Apr 2019 10:26

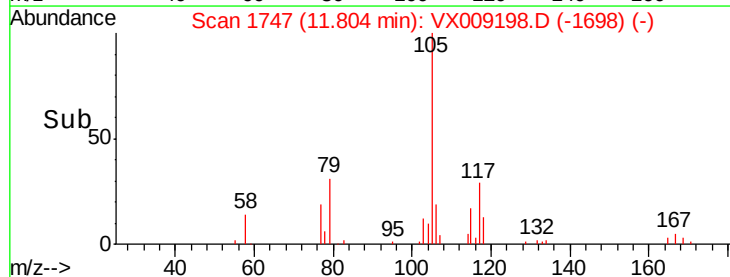
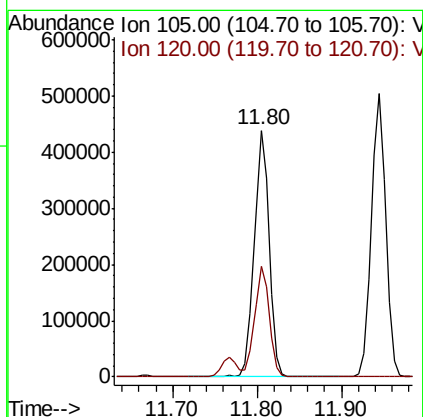
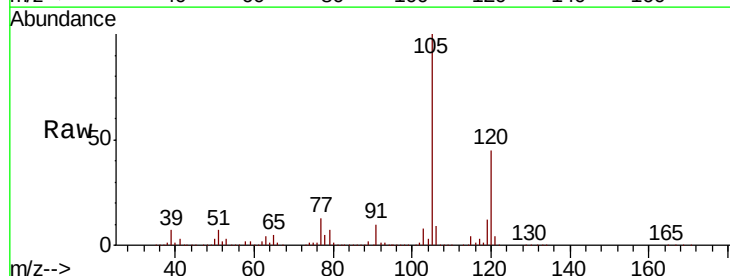
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

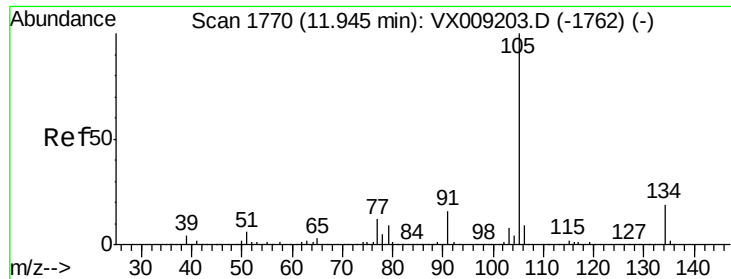
Tgt Ion:119 Resp: 494779
 Ion Ratio Lower Upper
 119 100
 91 58.7 29.5 88.5
 134 22.2 11.4 34.1



#84
 1,2,4-Trimethylbenzene
 Concen: 54.943 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX009198.D
 Acq: 29 Apr 2019 10:26

Tgt Ion:105 Resp: 522269
 Ion Ratio Lower Upper
 105 100
 120 43.6 22.0 66.0





#85

sec-Butylbenzene

Concen: 54.779 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX009198.D

Acq: 29 Apr 2019 10:26

Instrument :

MSVOA_X

ClientSampleId :

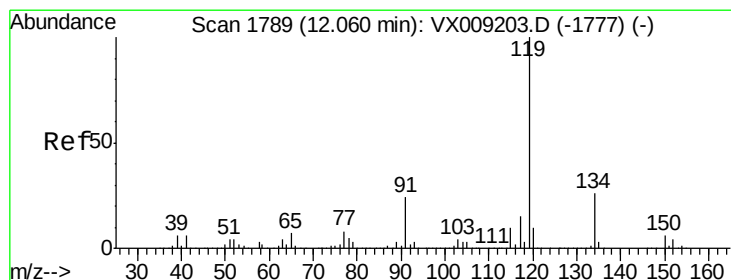
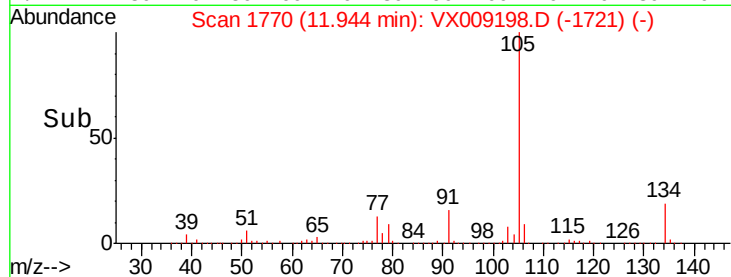
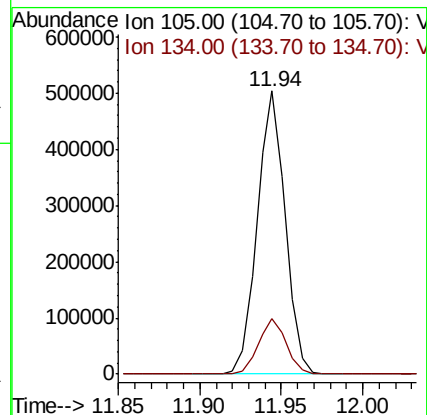
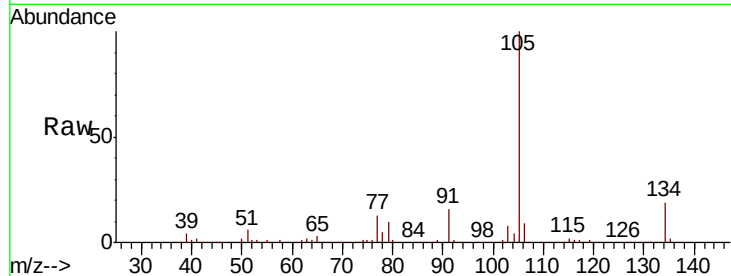
VSTDCCC050

Tgt Ion:105 Resp: 598298

Ion Ratio Lower Upper

105 100

134 19.5 9.7 28.9



#86

p-Isopropyltoluene

Concen: 56.084 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX009198.D

Acq: 29 Apr 2019 10:26

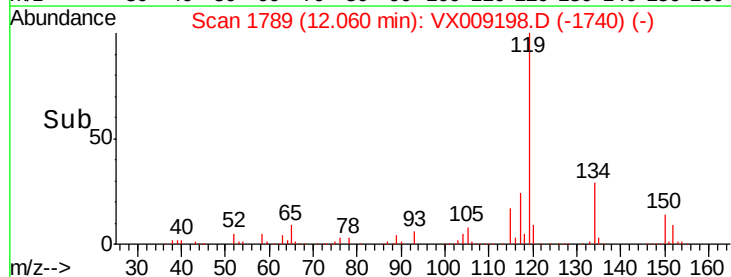
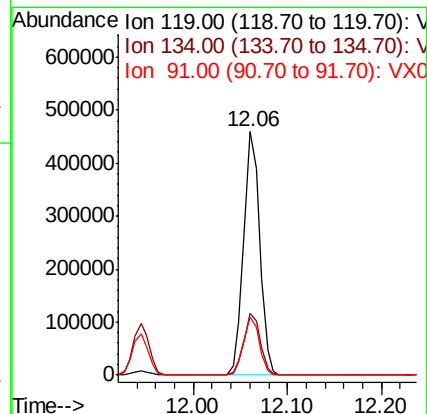
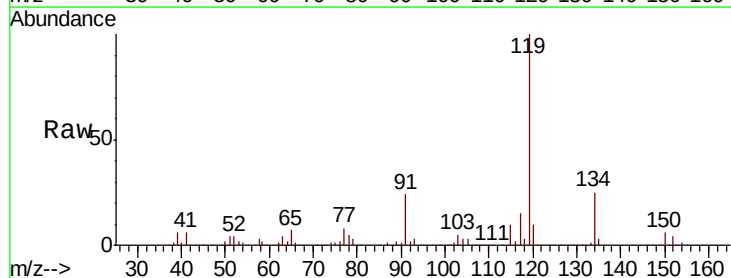
Tgt Ion:119 Resp: 550686

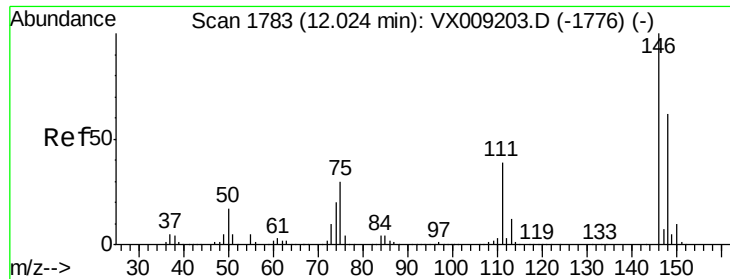
Ion Ratio Lower Upper

119 100

134 25.7 12.9 38.7

91 23.6 11.8 35.4

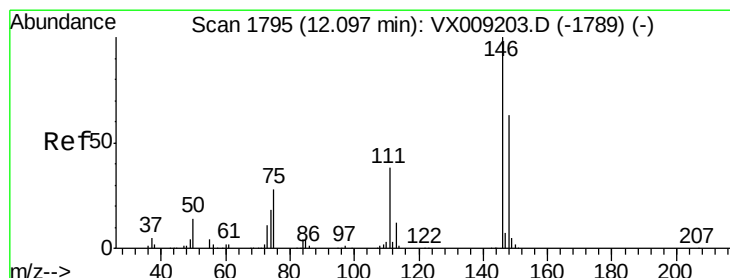
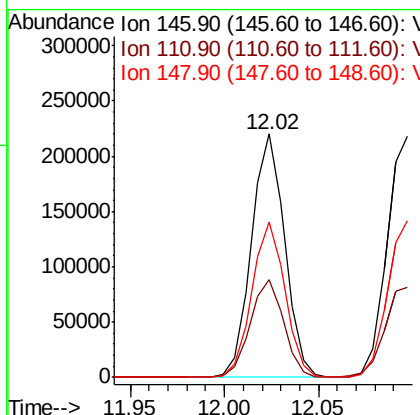
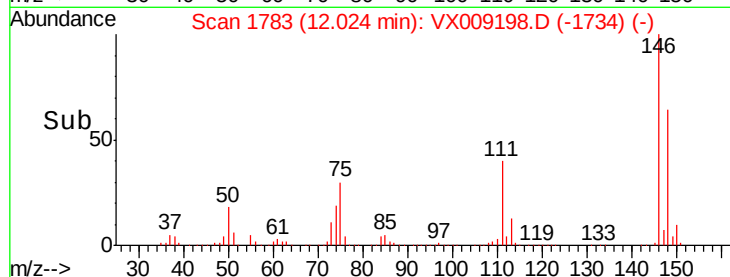
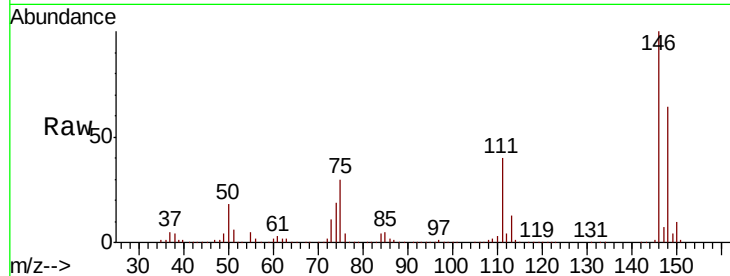




#87
 1,3-Dichlorobenzene
 Concen: 54.085 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX009198.D
 Acq: 29 Apr 2019 10:26

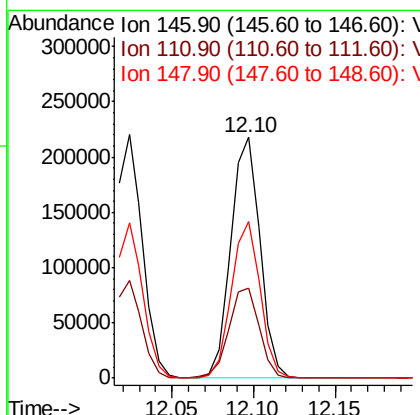
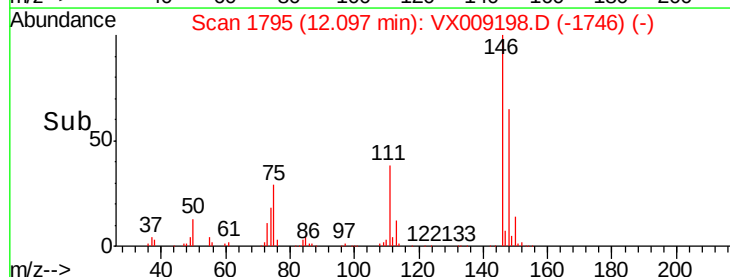
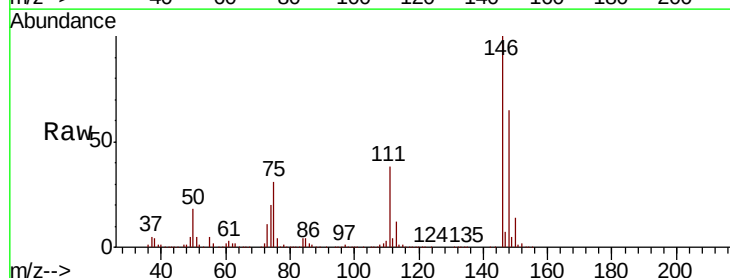
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

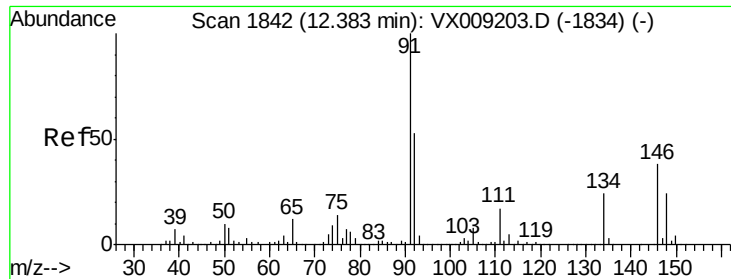
Tgt Ion:146 Resp: 269156
 Ion Ratio Lower Upper
 146 100
 111 40.4 20.0 59.9
 148 63.5 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 53.731 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX009198.D
 Acq: 29 Apr 2019 10:26

Tgt Ion:146 Resp: 269582
 Ion Ratio Lower Upper
 146 100
 111 39.0 19.6 58.8
 148 64.2 31.8 95.3

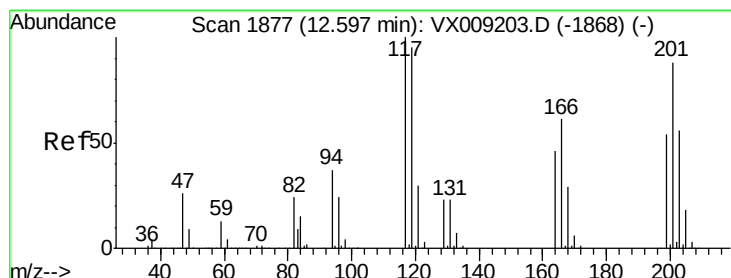
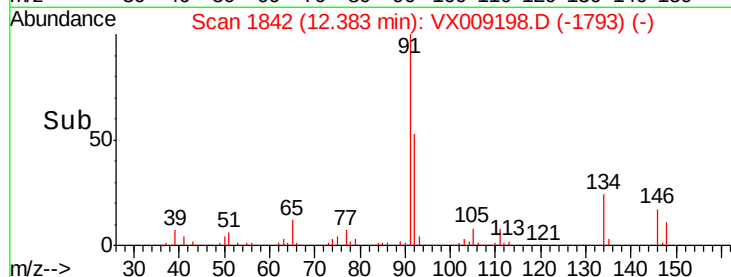
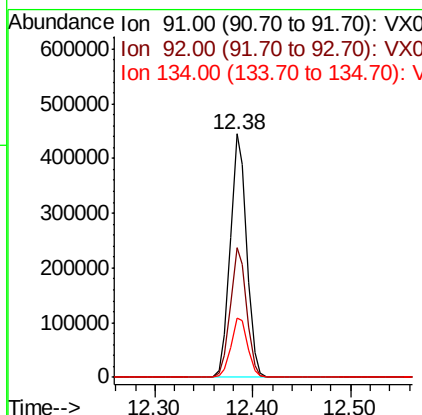
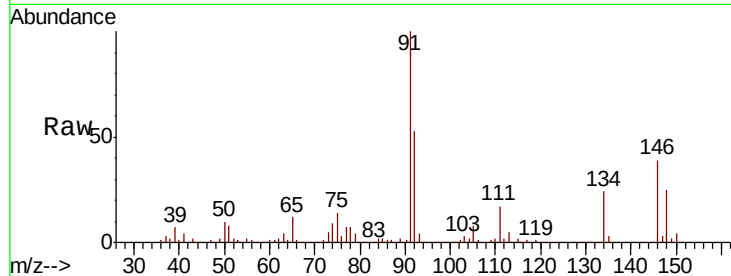




#89
n-Butylbenzene
Concen: 58.191 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX009198.D
Acq: 29 Apr 2019 10:26

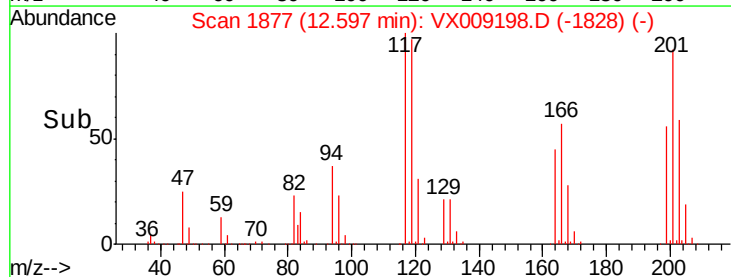
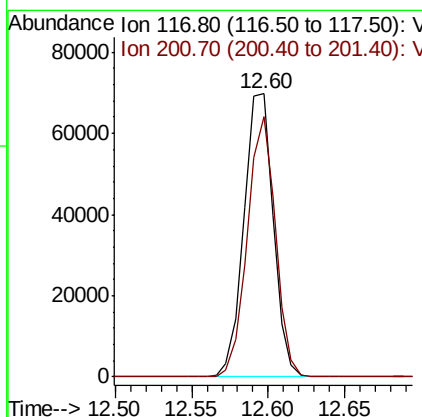
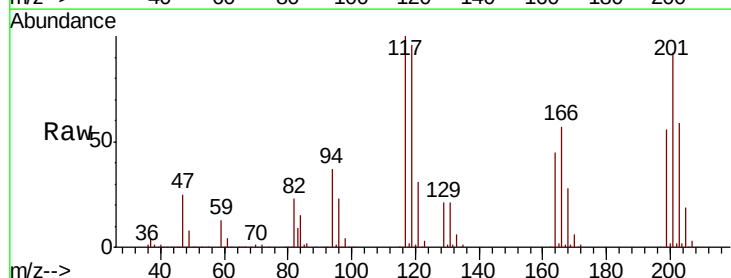
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

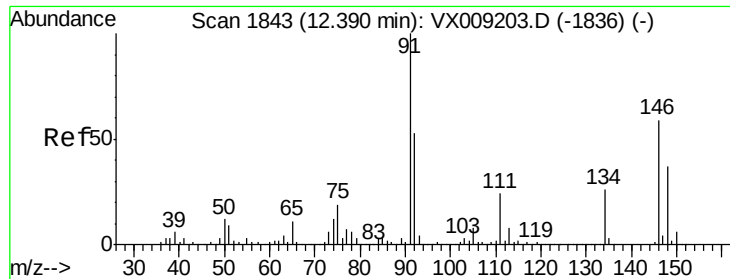
Tgt Ion: 91 Resp: 516430
Ion Ratio Lower Upper
91 100
92 53.0 26.5 79.5
134 25.0 12.4 37.2



#90
Hexachloroethane
Concen: 55.888 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX009198.D
Acq: 29 Apr 2019 10:26

Tgt Ion: 117 Resp: 93491
Ion Ratio Lower Upper
117 100
201 87.4 42.3 126.9





#91

1,2-Dichlorobenzene

Concen: 53.213 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX009198.D

Acq: 29 Apr 2019 10:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

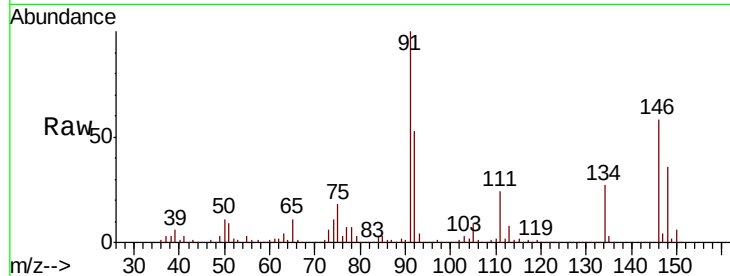
Tgt Ion:146 Resp: 269724

Ion Ratio Lower Upper

146 100

111 41.5 20.8 62.4

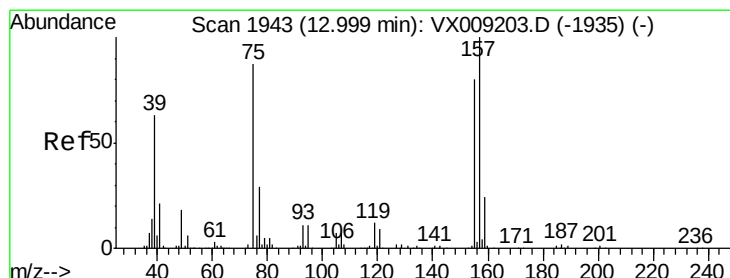
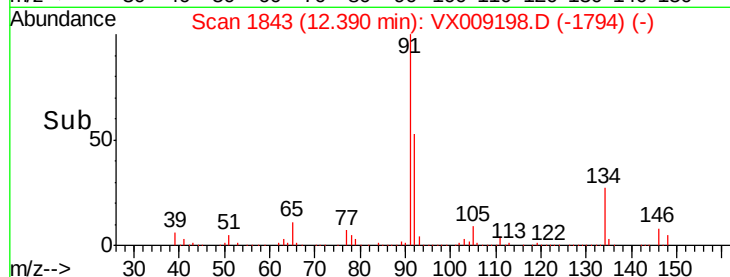
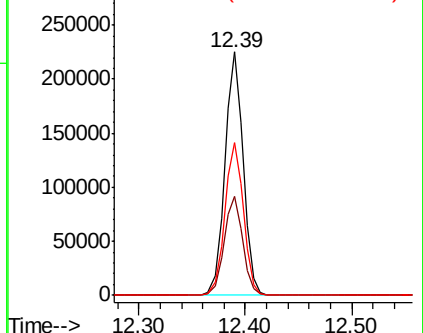
148 63.8 31.9 95.9



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: 54.845 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VX009198.D

Acq: 29 Apr 2019 10:26

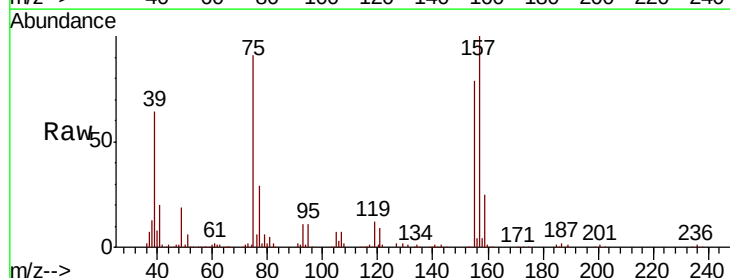
Tgt Ion: 75 Resp: 51585

Ion Ratio Lower Upper

75 100

155 82.3 42.0 126.0

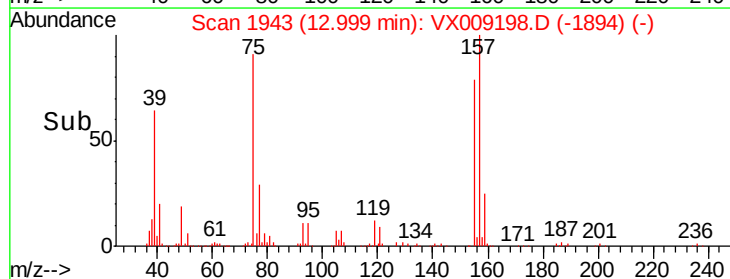
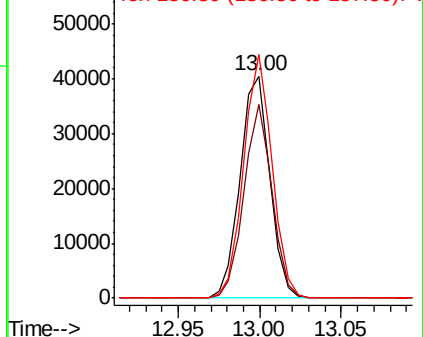
157 105.1 53.2 159.6

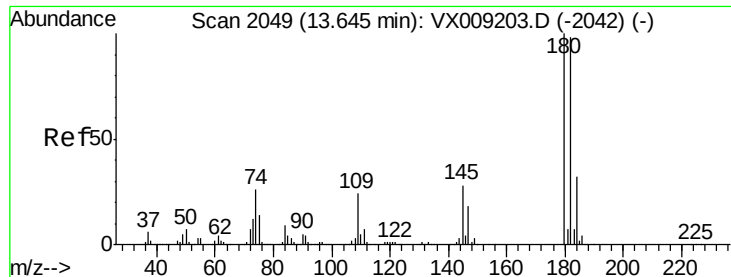


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

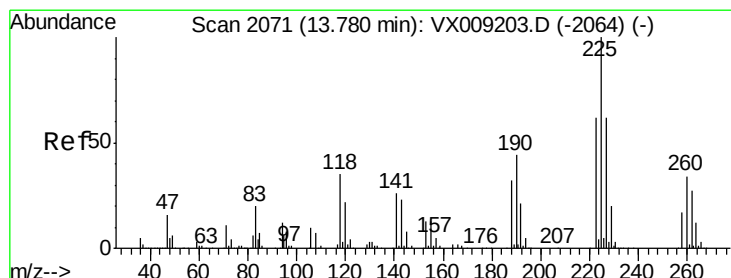
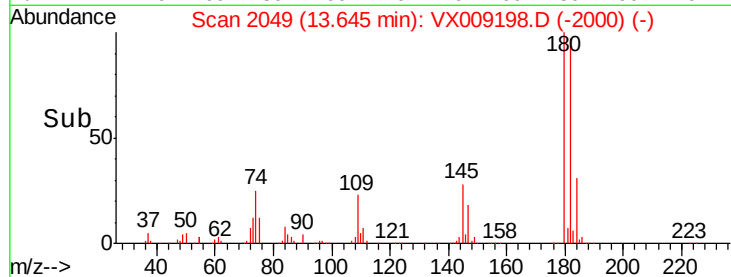
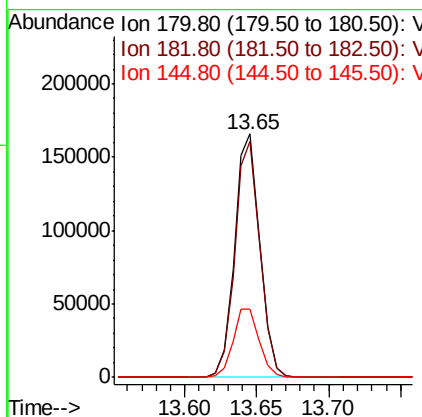
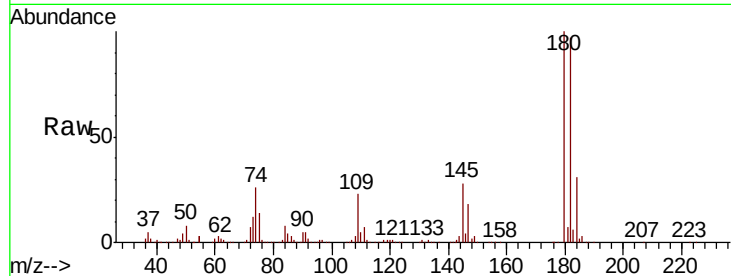




#93
 1,2,4-Trichlorobenzene
 Concen: 58.302 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX009198.D
 Acq: 29 Apr 2019 10:26

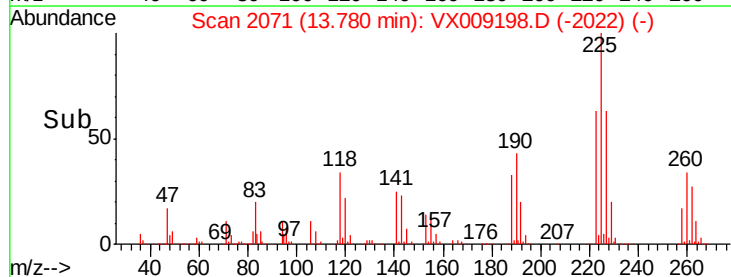
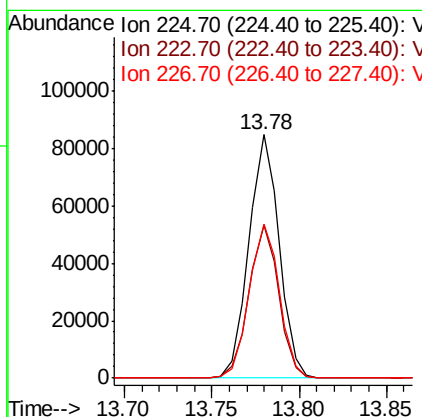
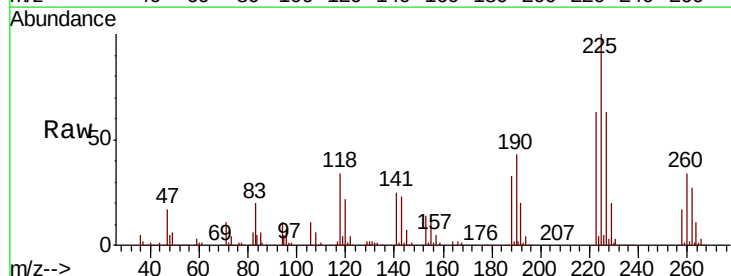
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

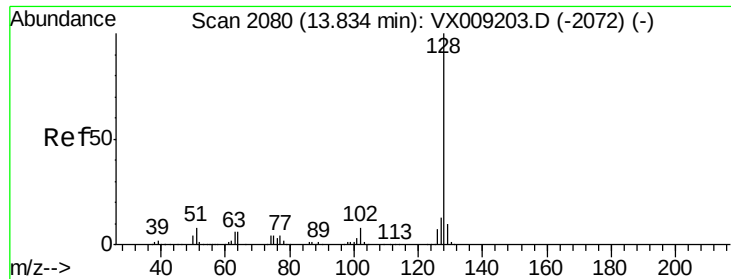
Tgt Ion:180 Resp: 202088
 Ion Ratio Lower Upper
 180 100
 182 96.3 48.4 145.2
 145 29.3 14.6 43.8



#94
 Hexachlorobutadiene
 Concen: 57.363 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX009198.D
 Acq: 29 Apr 2019 10:26

Tgt Ion:225 Resp: 101536
 Ion Ratio Lower Upper
 225 100
 223 62.1 31.3 93.8
 227 63.2 31.8 95.3

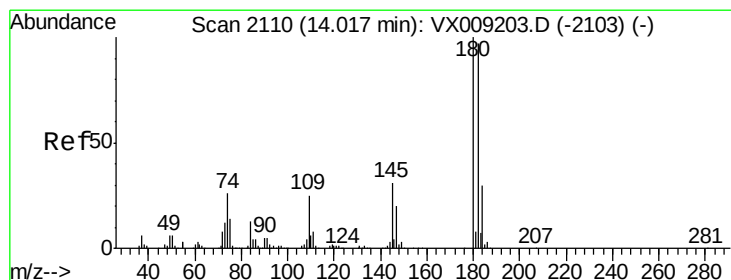
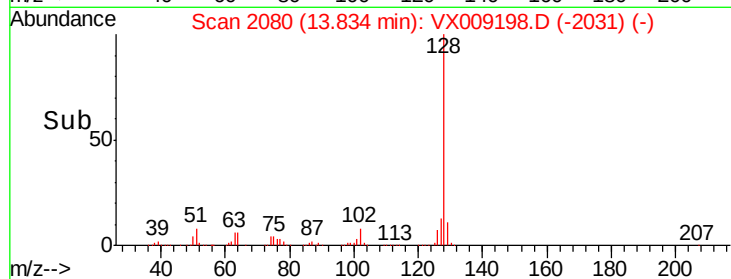
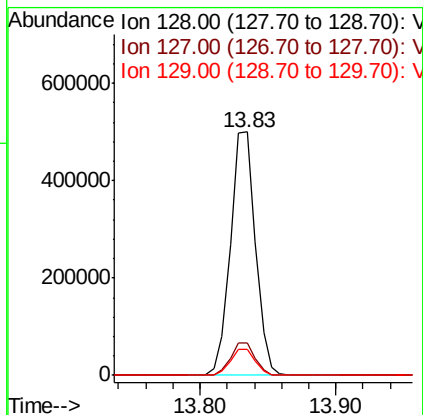
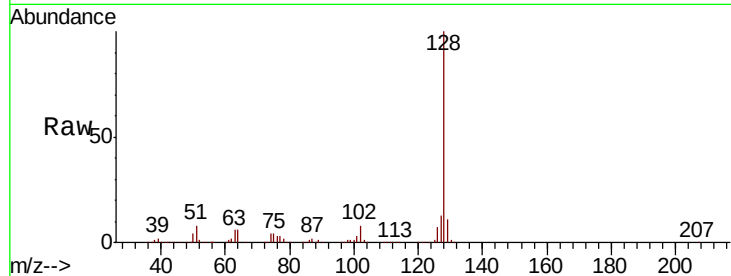




#95
Naphthalene
Concen: 56.539 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX009198.D
Acq: 29 Apr 2019 10:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 637595
Ion Ratio Lower Upper
128 100
127 13.2 10.4 15.6
129 10.9 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 57.576 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX009198.D
Acq: 29 Apr 2019 10:26

Tgt Ion:180 Resp: 202298
Ion Ratio Lower Upper
180 100
182 95.7 47.8 143.4
145 30.7 15.4 46.4

