

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071918\
 Data File : VX003472.D
 Acq On : 19 Jul 2018 19:15
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: Jul 20 03:58:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071918W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 19 17:09:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	326046	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	448039	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	425333	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	263369	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	196191	50.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.66%	
35) Dibromofluoromethane	5.50	113	178491	52.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.60%	
50) Toluene-d8	8.72	98	684917	53.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.80%	
62) 4-Bromofluorobenzene	11.14	95	251949	53.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.64%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	137366	53.11	ug/l	99
3) Chloromethane	1.32	50	168117	52.46	ug/l	100
4) Vinyl Chloride	1.40	62	196353	47.41	ug/l	100
5) Bromomethane	1.64	94	87802	53.46	ug/l	100
6) Chloroethane	1.72	64	124773	50.91	ug/l	100
7) Trichlorofluoromethane	1.92	101	274265	49.63	ug/l	98
8) Diethyl Ether	2.19	74	116812	49.22	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	2.38	101	177346	49.04	ug/l	97
10) Methyl Iodide	2.51	142	188722	43.44	ug/l	93
11) Tert butyl alcohol	3.07	59	197434	258.52	ug/l	100
12) 1,1-Dichloroethene	2.37	96	164106	49.28	ug/l	91
13) Acrolein	2.29	56	83017	240.58	ug/l	98
14) Allyl chloride	2.73	41	305379	51.80	ug/l	87
15) Acrylonitrile	3.15	53	486424	250.17	ug/l	98
16) Acetone	2.45	43	371229	254.64	ug/l #	89
17) Carbon Disulfide	2.57	76	459640	51.04	ug/l	98
18) Methyl Acetate	2.78	43	237674	51.71	ug/l	95
19) Methyl tert-butyl Ether	3.21	73	555251	51.06	ug/l	100
20) Methylene Chloride	2.86	84	184907	51.91	ug/l	91
21) trans-1,2-Dichloroethene	3.16	96	179807	48.53	ug/l	93
22) Diisopropyl ether	3.87	45	556957	50.21	ug/l	95
23) Vinyl Acetate	3.82	43	2305056	252.27	ug/l	95
24) 1,1-Dichloroethane	3.69	63	330631	50.80	ug/l	100
25) 2-Butanone	4.71	43	609471	249.17	ug/l	92
26) 2,2-Dichloropropane	4.58	77	239927	48.54	ug/l	95
27) cis-1,2-Dichloroethene	4.59	96	199873	48.45	ug/l	96
28) Bromochloromethane	5.02	49	141524	49.75	ug/l	87
29) Tetrahydrofuran	5.16	42	398471	246.61	ug/l	91
30) Chloroform	5.21	83	318469	50.11	ug/l	96
31) Cyclohexane	5.57	56	287735	49.48	ug/l	92
32) 1,1,1-Trichloroethane	5.49	97	274109	50.37	ug/l	97
36) 1,1-Dichloropropene	5.80	75	244113	50.46	ug/l	98
37) Ethyl Acetate	4.86	43	236568	51.68	ug/l	95
38) Carbon Tetrachloride	5.78	117	244757	51.58	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	302594	52.81	ug/l	94
40) Benzene	6.14	78	742290	50.82	ug/l	100
41) Methacrylonitrile	5.06	41	137096	50.96	ug/l	91
42) 1,2-Dichloroethane	6.20	62	237474	51.61	ug/l	95
43) Isopropyl Acetate	6.46	43	377126	51.79	ug/l #	93
44) Trichloroethene	7.21	130	220576	50.64	ug/l	100
45) 1,2-Dichloropropane	7.52	63	190220	51.29	ug/l	99
46) Dibromomethane	7.67	93	123197	51.60	ug/l	95
47) Bromodichloromethane	7.90	83	234011	53.54	ug/l	97
48) Methyl methacrylate	7.78	41	198126	53.96	ug/l	84
49) 1,4-Dioxane	7.76	88	86935	1044.89	ug/l	95
51) 4-Methyl-2-Pentanone	8.65	43	1235877	268.66	ug/l	91
52) Toluene	8.79	92	476874	51.87	ug/l	98
53) t-1,3-Dichloropropene	8.44	75	291541	54.19	ug/l	99
54) cis-1,3-Dichloropropene	9.04	75	264345	54.64	ug/l #	89
55) 1,1,2-Trichloroethane	9.22	97	189644	51.84	ug/l	98
56) Ethyl methacrylate	9.18	69	280524	54.44	ug/l #	82
57) 1,3-Dichloropropane	9.37	76	307810	52.05	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	666605	266.06	ug/l	97
59) 2-Hexanone	9.50	43	925398	271.51	ug/l	89
60) Dibromochloromethane	9.59	129	195757	54.06	ug/l	100
61) 1,2-Dibromoethane	9.68	107	197779	52.15	ug/l	99
64) Tetrachloroethene	9.34	164	258842	49.95	ug/l	98
65) Chlorobenzene	10.14	112	540282	49.30	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	194692	51.64	ug/l	99
67) Ethyl Benzene	10.26	91	909431	51.61	ug/l	99
68) m/p-Xylenes	10.36	106	719067	104.09	ug/l	96
69) o-Xylene	10.70	106	344616	51.59	ug/l	95
70) Styrene	10.71	104	582094	52.98	ug/l	97
71) Bromoform	10.86	173	154995	52.91	ug/l	100
73) Isopropylbenzene	11.02	105	928575	50.98	ug/l	99
74) N-amyl acetate	6.46	43	377126	48.76	ug/l #	92
75) 1,1,1,2-Tetrachloroethane	11.27	83	263461	49.36	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	315704	66.73	ug/l	80
77) Bromobenzene	11.26	156	253435	48.38	ug/l	97
78) n-propylbenzene	11.36	91	1046699	51.70	ug/l	98
79) 2-Chlorotoluene	11.42	91	616347	50.14	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	770542	51.47	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.08	75	80461	48.38	ug/l	88
82) 4-Chlorotoluene	11.51	91	725997	50.41	ug/l	97
83) tert-Butylbenzene	11.77	119	745979	50.89	ug/l	95
84) 1,2,4-Trimethylbenzene	11.81	105	789919	51.86	ug/l	97
85) sec-Butylbenzene	11.95	105	915209	51.40	ug/l	100
86) p-Isopropyltoluene	12.07	119	832263	52.08	ug/l	98
87) 1,3-Dichlorobenzene	12.03	146	466579	48.45	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	469366	47.32	ug/l	99
89) n-Butylbenzene	12.39	91	706748	52.08	ug/l	98
90) Hexachloroethane	12.60	117	117580	51.76	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	462021	48.68	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	52583	50.62	ug/l	87

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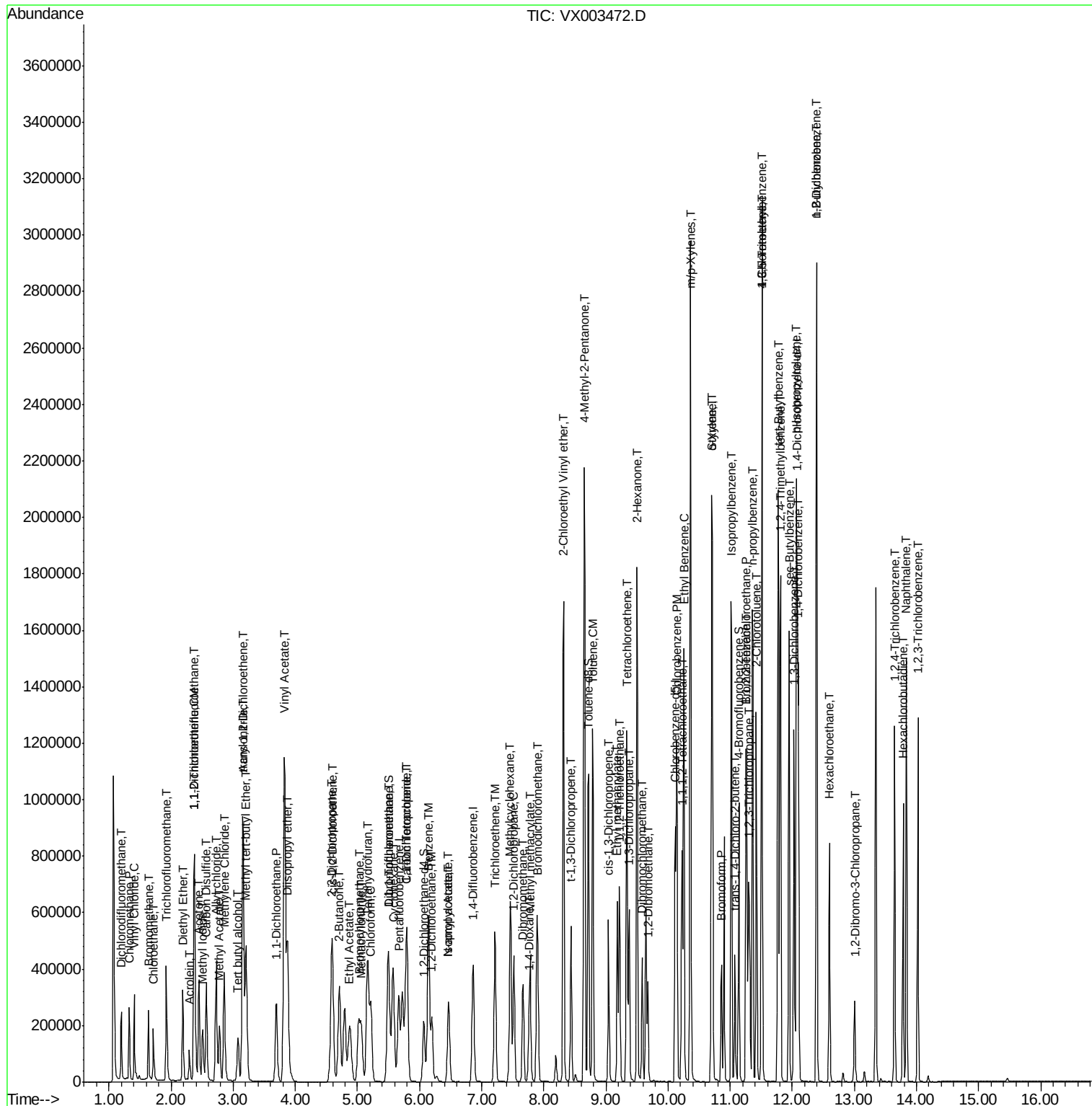
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	341615	49.11	ug/l	99
94) Hexachlorobutadiene	13.79	225	165137	49.36	ug/l	98
95) Naphthalene	13.83	128	938098	51.32	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	340340	49.43	ug/l	100

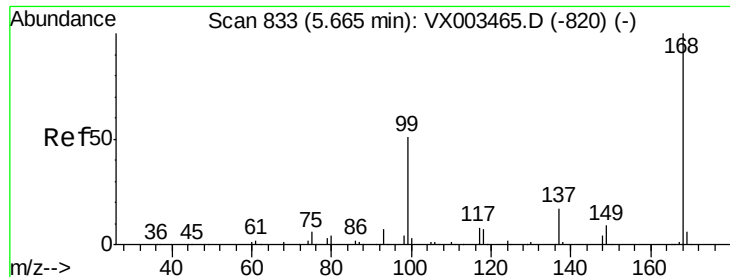
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003472.D

Acq: 19 Jul 2018 19:15

Instrument :

MSVOA_X

ClientSampleId :

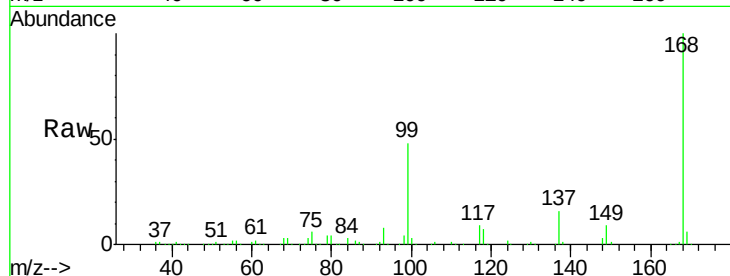
VSTDCCC050

Tot Ion:168 Resp: 326046

Ion Ratio Lower Upper

168 100

99 47.6 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

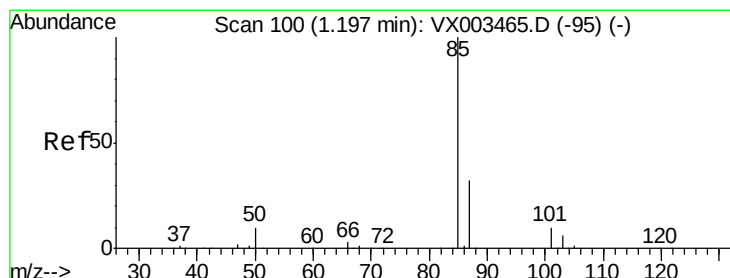
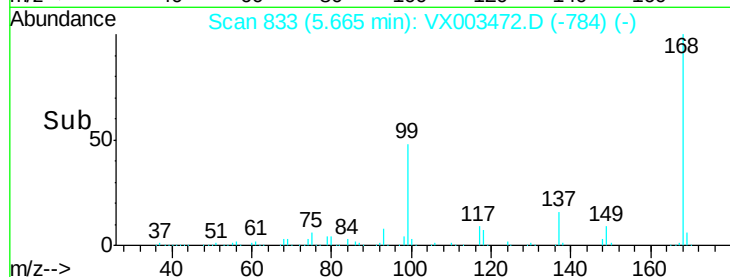
5.67

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 53.11 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003472.D

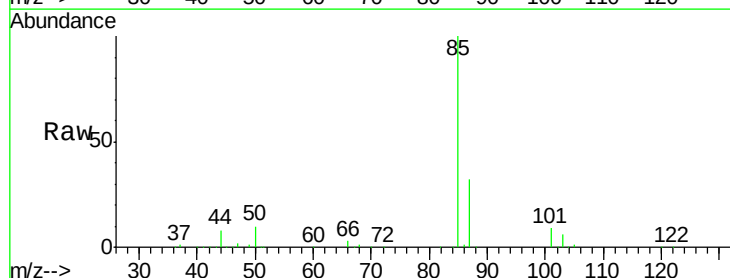
Acq: 19 Jul 2018 19:15

Tgt Ion: 85 Resp: 137366

Ion Ratio Lower Upper

85 100

87 32.2 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

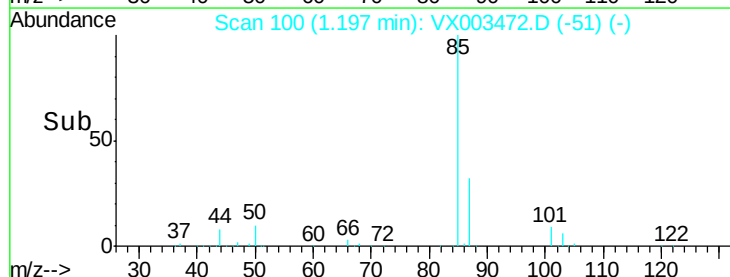
150000

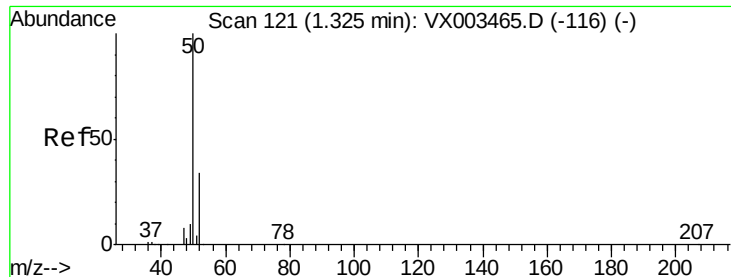
100000

50000

0

Time--> 1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 52.46 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003472.D

Acq: 19 Jul 2018 19:15

Instrument :

MSVOA_X

ClientSampleId :

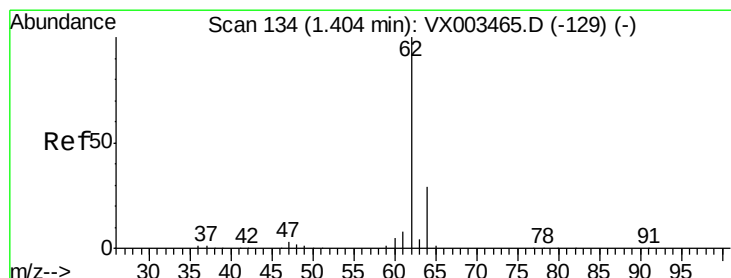
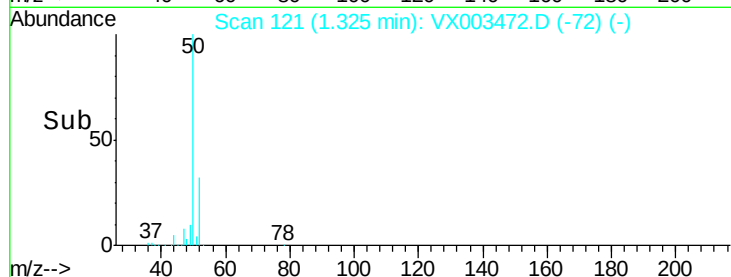
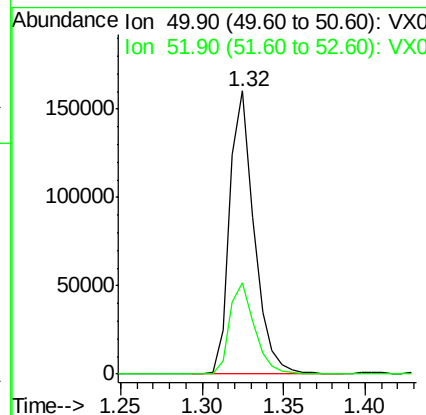
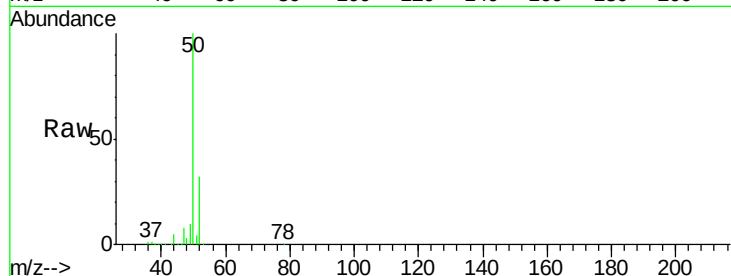
VSTDCCC050

Tot Ion: 50 Resp: 168117

Ion Ratio Lower Upper

50 100

52 32.3 25.7 38.5



#4

Vinyl Chloride

Concen: 47.41 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003472.D

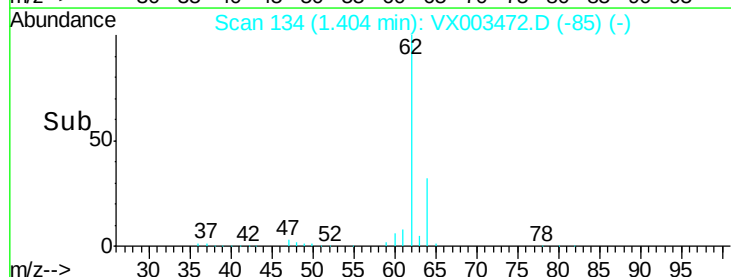
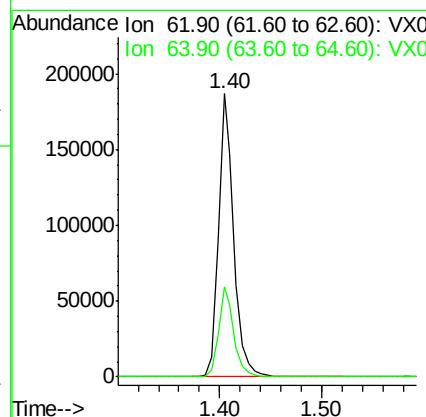
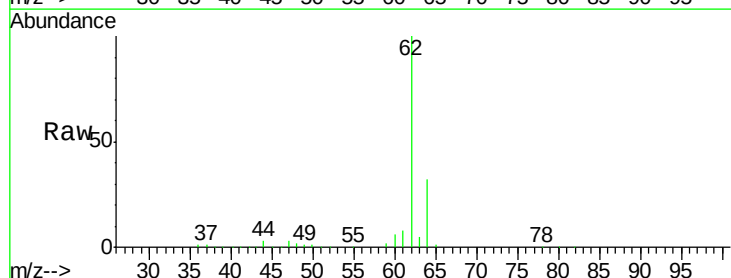
Acq: 19 Jul 2018 19:15

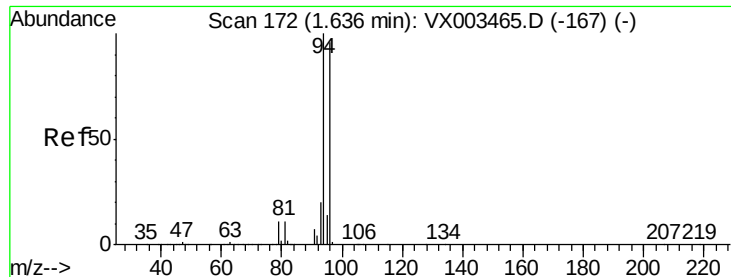
Tgt Ion: 62 Resp: 196353

Ion Ratio Lower Upper

62 100

64 31.7 25.4 38.2





#5

Bromomethane

Concen: 53.46 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003472.D

Acq: 19 Jul 2018 19:15

Instrument :

MSVOA_X

ClientSampleId :

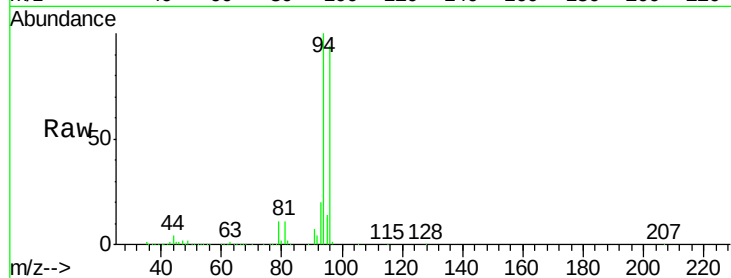
VSTDCCC050

Tot Ion: 94 Resp: 87802

Ion Ratio Lower Upper

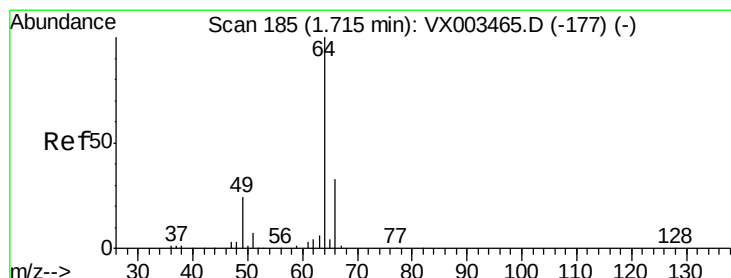
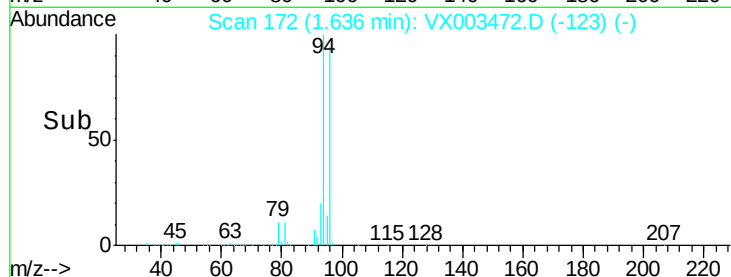
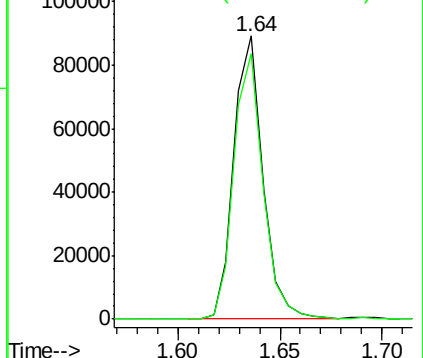
94 100

96 94.0 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 50.91 ug/l

RT: 1.72 min Scan# 185

Delta R.T. 0.00 min

Lab File: VX003472.D

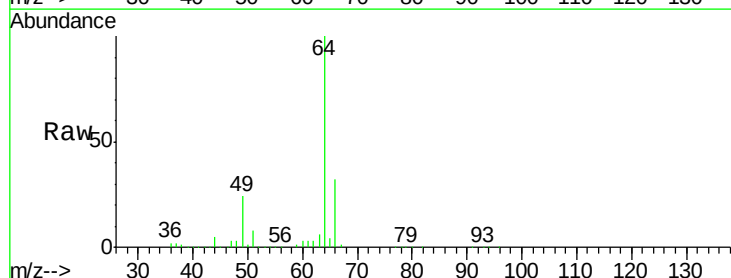
Acq: 19 Jul 2018 19:15

Tgt Ion: 64 Resp: 124773

Ion Ratio Lower Upper

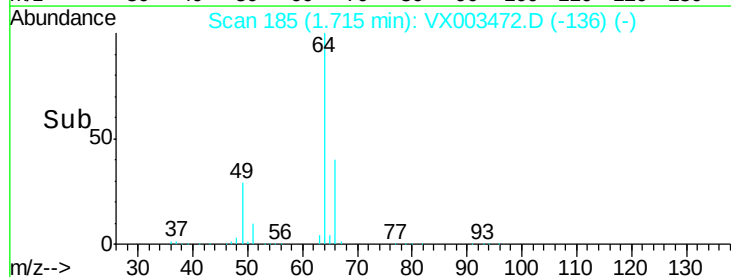
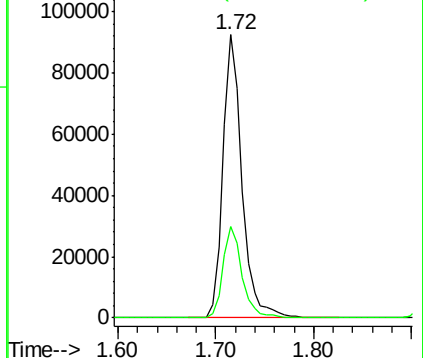
64 100

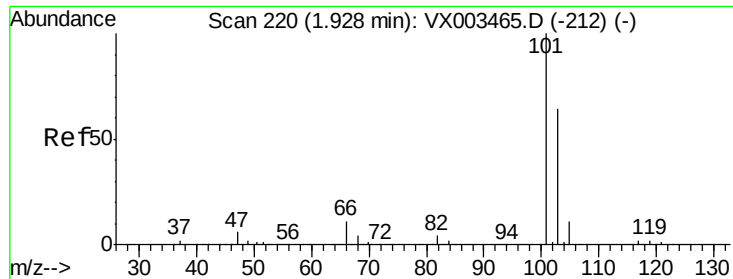
66 32.1 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



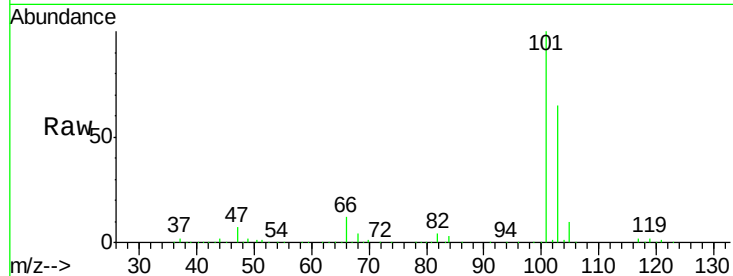


#7

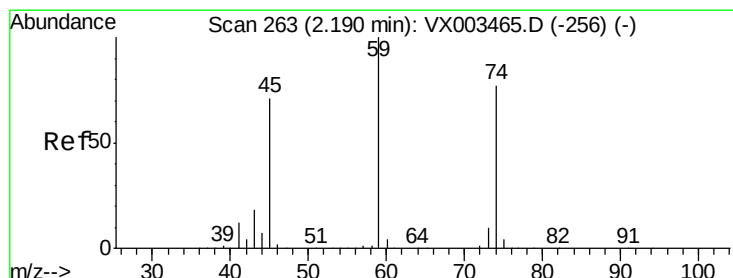
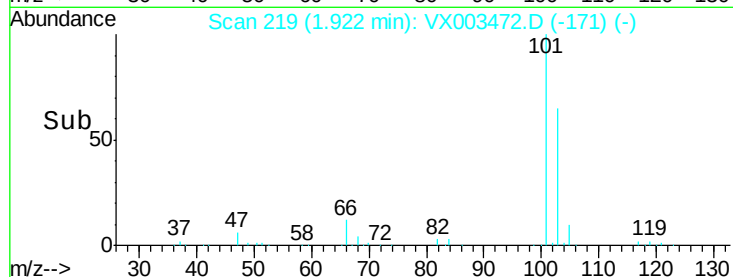
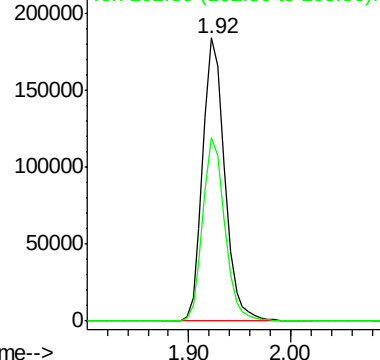
Trichlorofluoromethane
Concen: 49.63 ug/l
RT: 1.92 min Scan# 219
Delta R.T. -0.01 min
Lab File: VX003472.D
Acq: 19 Jul 2018 19:15

Instrument :
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Tot Ion:101 Resp: 274265
Ion Ratio Lower Upper
101 100
103 64.8 52.8 79.2



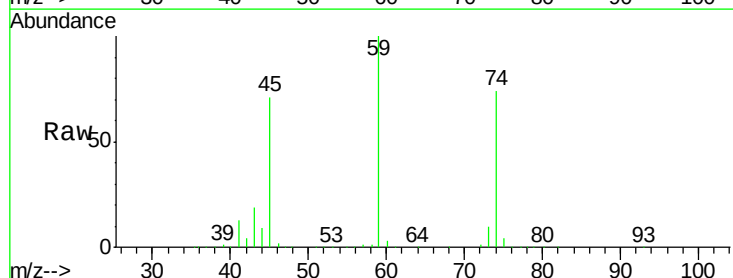
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



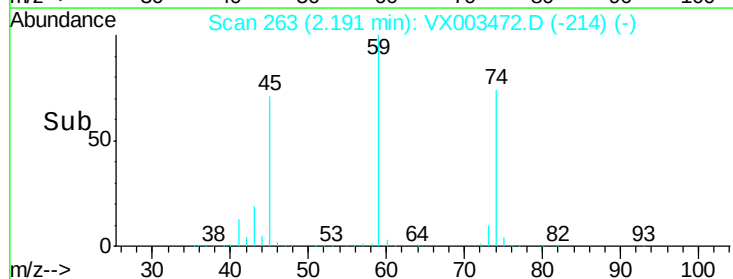
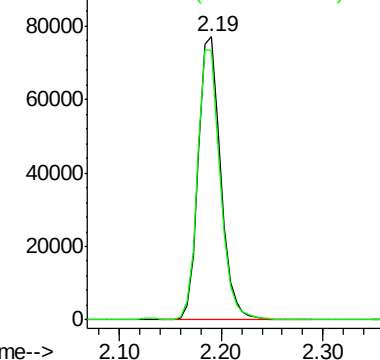
#8

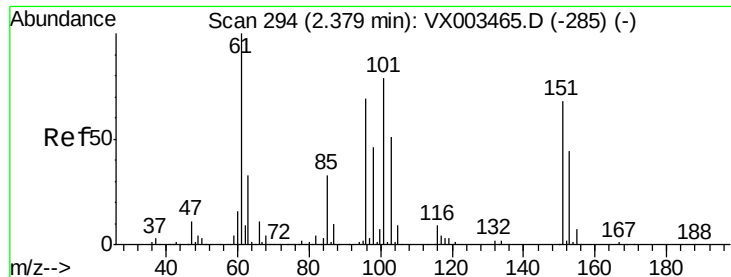
Diethyl Ether
Concen: 49.22 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX003472.D
Acq: 19 Jul 2018 19:15

Tgt Ion: 74 Resp: 116812
Ion Ratio Lower Upper
74 100
45 96.4 53.1 159.4



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: 49.04 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.00 min

Lab File: VX003472.D

Acq: 19 Jul 2018 19:15

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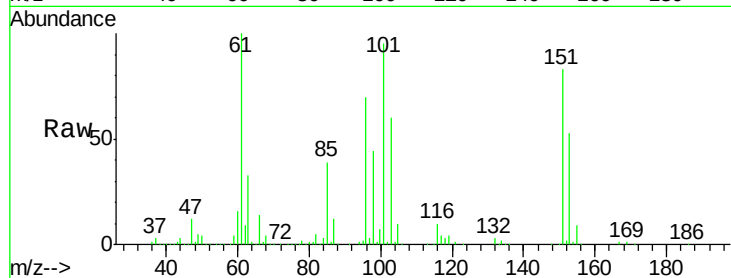
Tot Ion:101 Resp: 177346

Ion Ratio Lower Upper

101 100

85 41.9 36.0 54.0

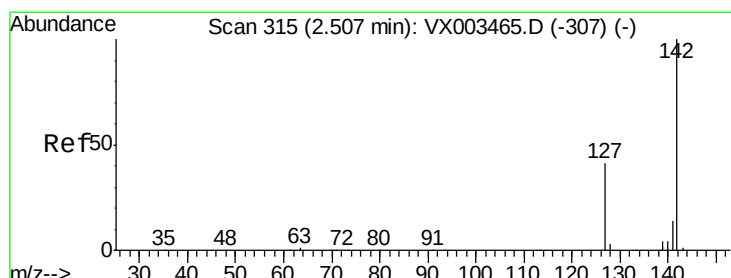
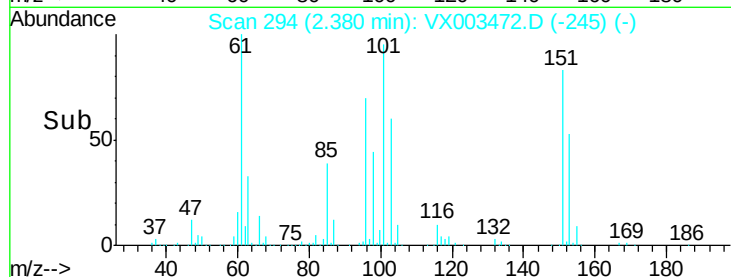
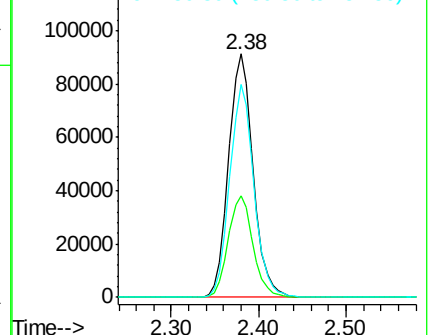
151 86.5 70.9 106.3



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: 43.44 ug/l

RT: 2.51 min Scan# 315

Delta R.T. 0.00 min

Lab File: VX003472.D

Acq: 19 Jul 2018 19:15

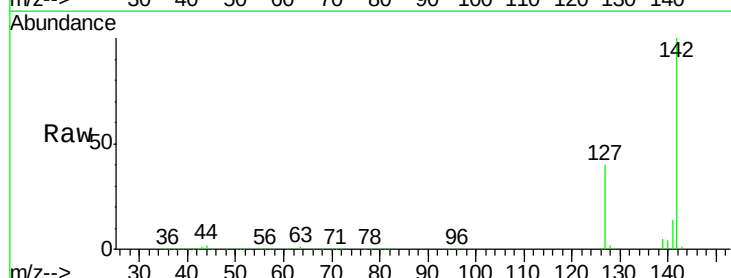
Tgt Ion:142 Resp: 188722

Ion Ratio Lower Upper

142 100

127 40.2 36.6 55.0

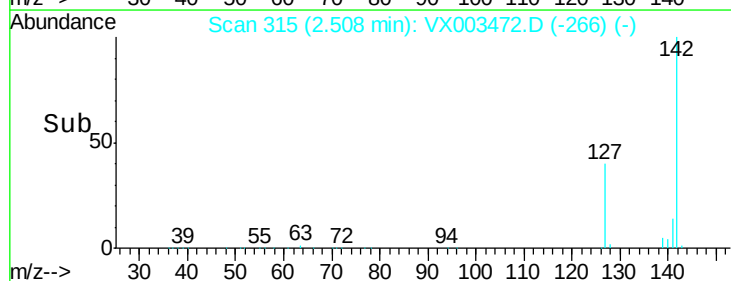
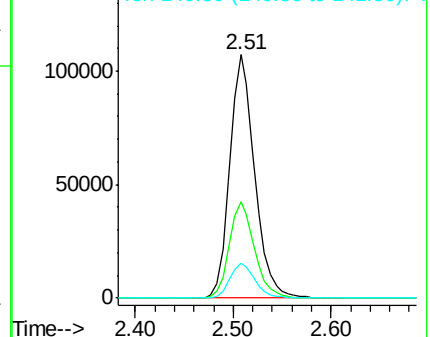
141 14.3 11.3 16.9

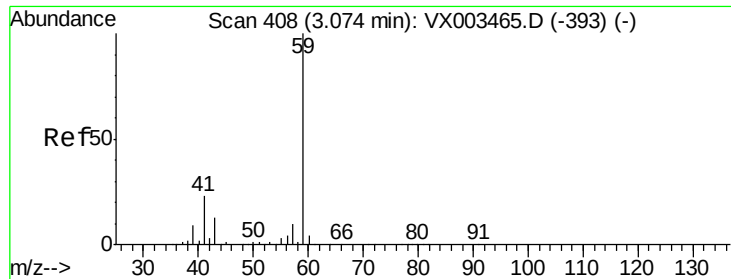


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

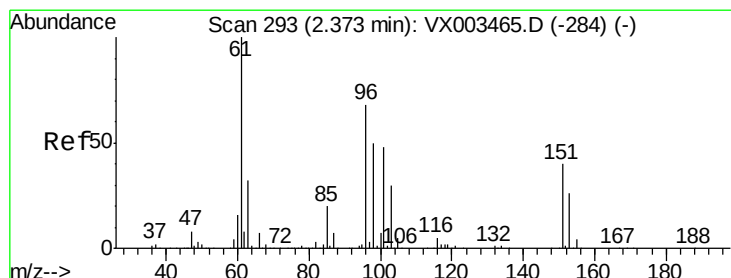
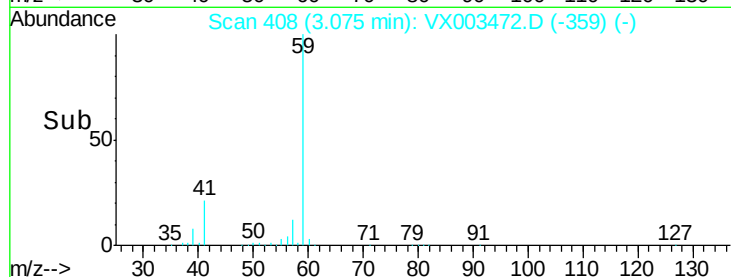
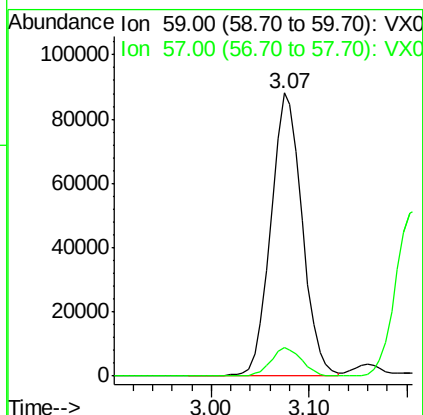
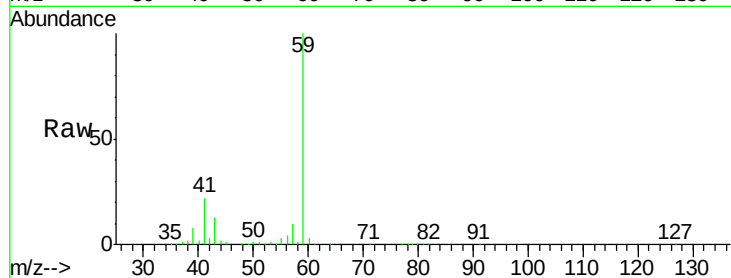




#11
Tert butyl alcohol
Concen: 258.52 ug/l
RT: 3.07 min Scan# 408
Delta R.T. 0.00 min
Lab File: VX003472.D
Acq: 19 Jul 2018 19:15

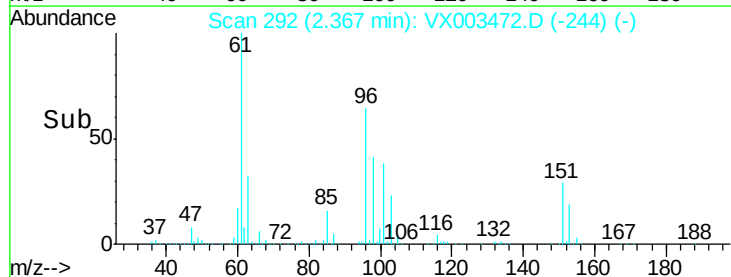
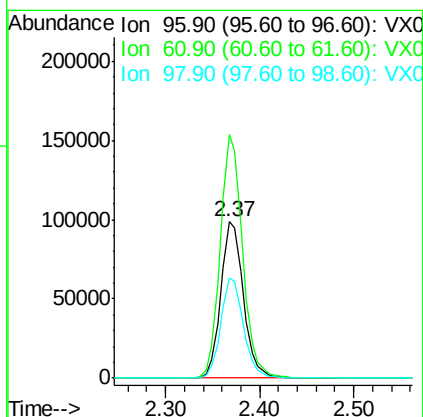
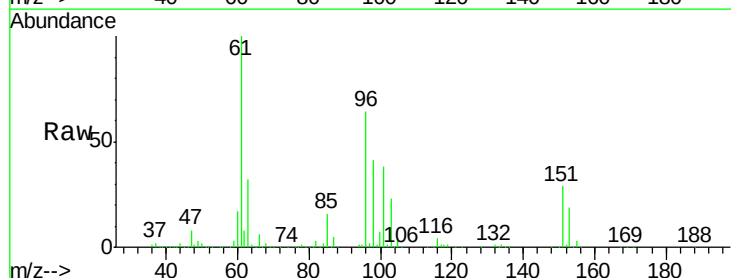
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

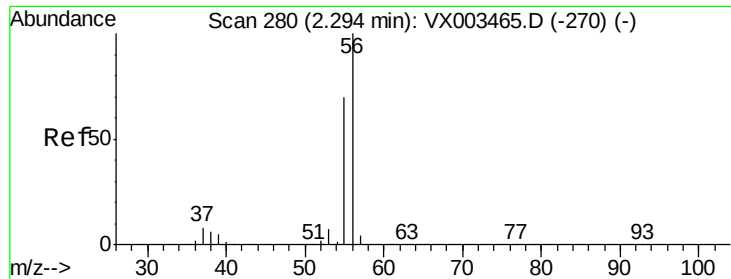
Tot Ion: 59 Resp: 197434
Ion Ratio Lower Upper
59 100
57 10.1 8.2 12.2



#12
1,1-Dichloroethene
Concen: 49.28 ug/l
RT: 2.37 min Scan# 292
Delta R.T. -0.01 min
Lab File: VX003472.D
Acq: 19 Jul 2018 19:15

Tgt Ion: 96 Resp: 164106
Ion Ratio Lower Upper
96 100
61 155.8 137.9 206.9
98 63.9 51.6 77.4





#13

Acrolein

Concen: 240.58 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX003472.D

Acq: 19 Jul 2018 19:15

Instrument :

MSVOA_X

ClientSampleId :

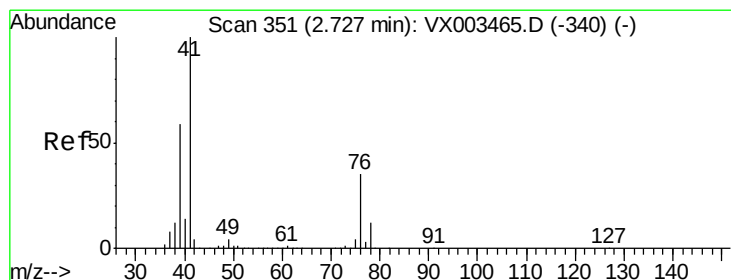
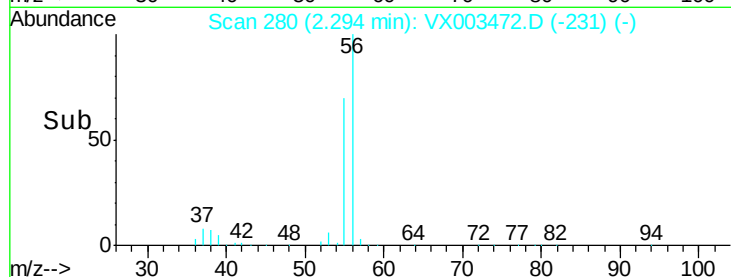
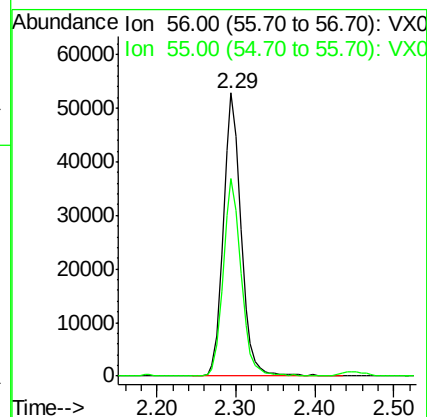
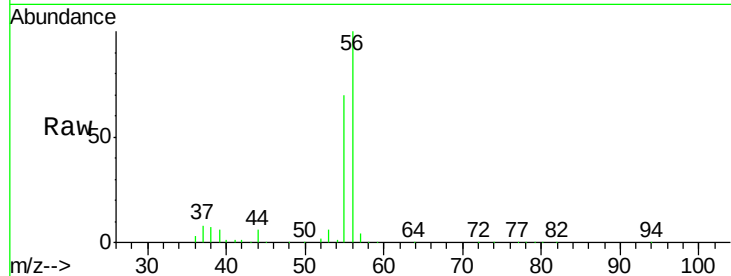
VSTDCCC050

Tot Ion: 56 Resp: 83017

Ion Ratio Lower Upper

56 100

55 69.7 57.0 85.4



#14

Allyl chloride

Concen: 51.80 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX003472.D

Acq: 19 Jul 2018 19:15

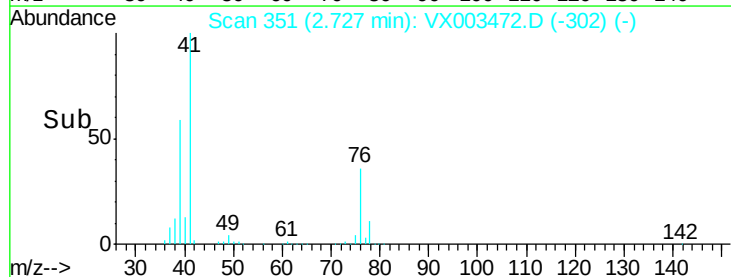
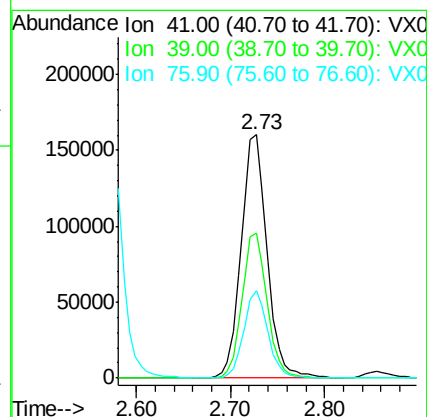
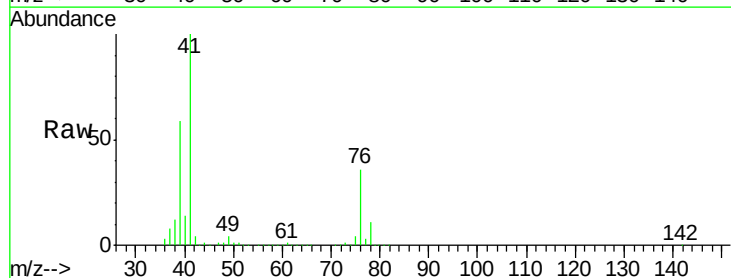
Tgt Ion: 41 Resp: 305379

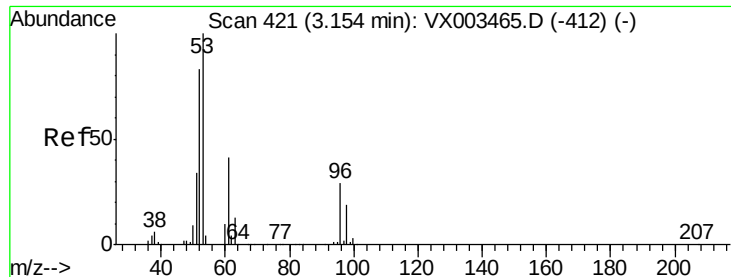
Ion Ratio Lower Upper

41 100

39 57.6 56.8 85.2

76 33.5 23.8 35.8





#15

Acrylonitrile

Concen: 250.17 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VX003472.D

Acq: 19 Jul 2018 19:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

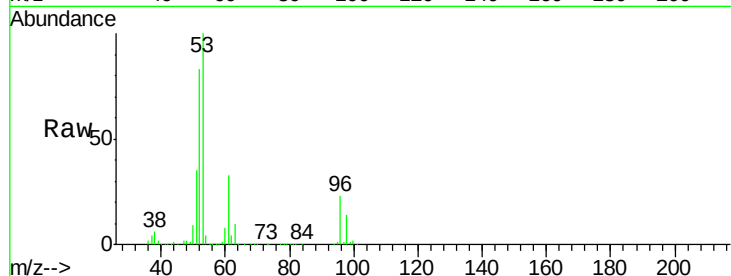
Tot Ion: 53 Resp: 486424

Ion Ratio Lower Upper

53 100

52 82.1 66.7 100.1

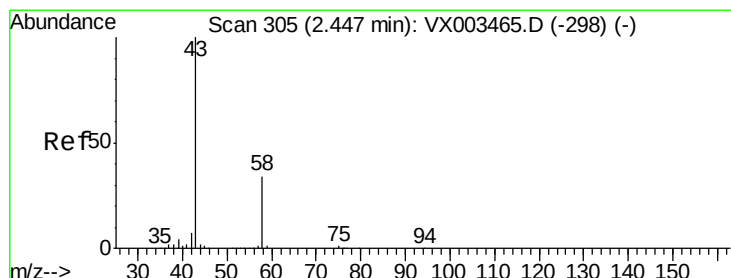
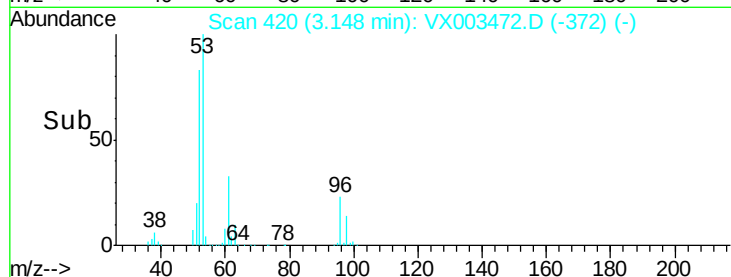
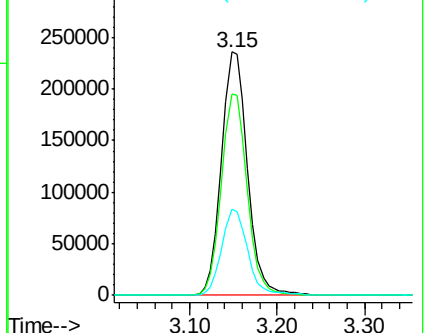
51 35.4 29.9 44.9



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: 254.64 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX003472.D

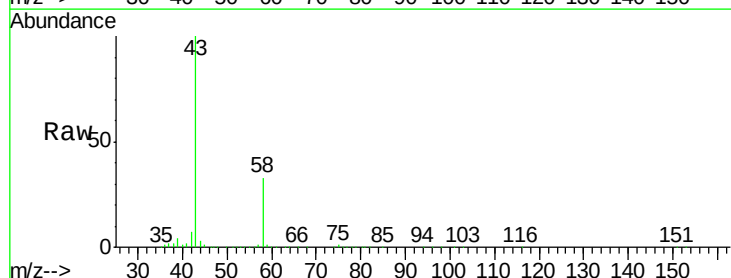
Acq: 19 Jul 2018 19:15

Tgt Ion: 43 Resp: 371229

Ion Ratio Lower Upper

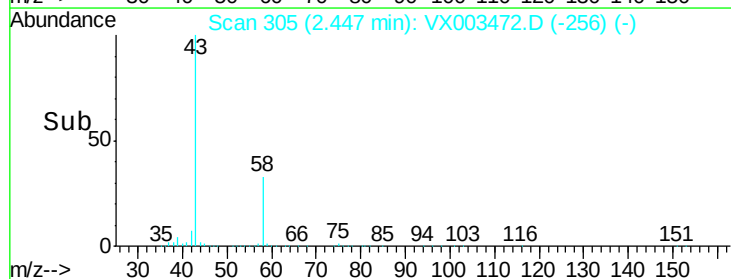
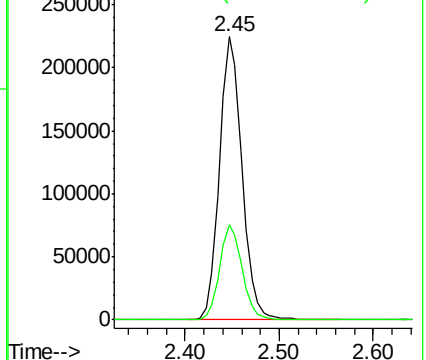
43 100

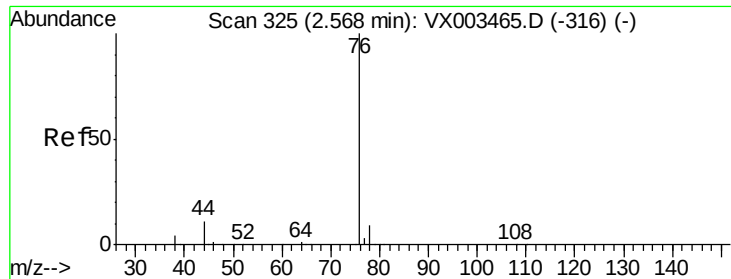
58 33.5 22.1 33.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

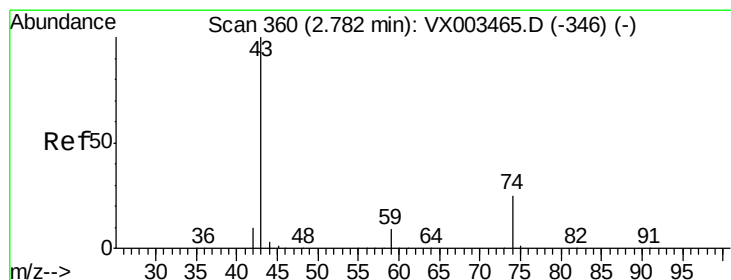
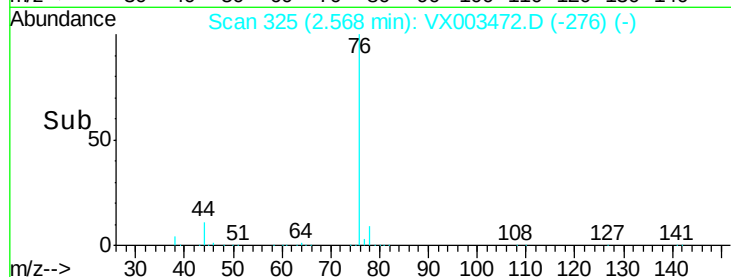
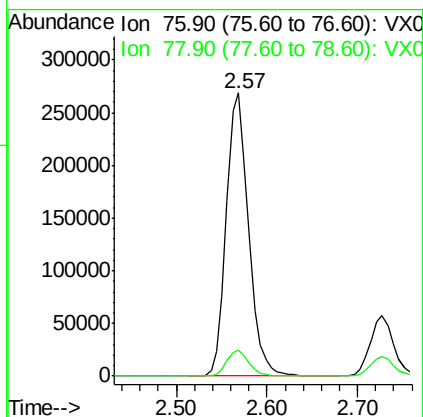
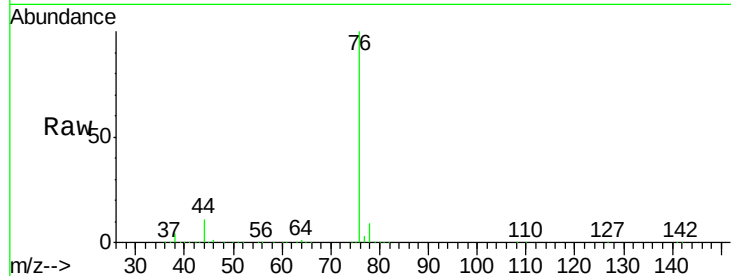




#17
Carbon Disulfide
Concen: 51.04 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.00 min
Lab File: VX003472.D
Acq: 19 Jul 2018 19:15

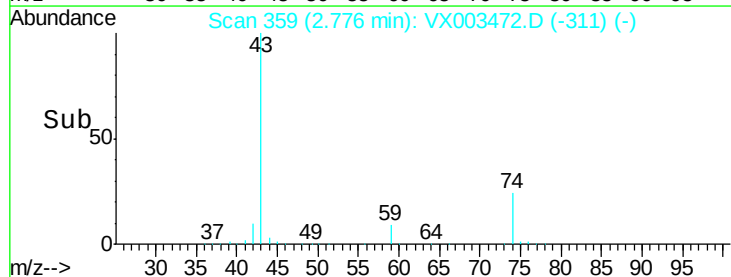
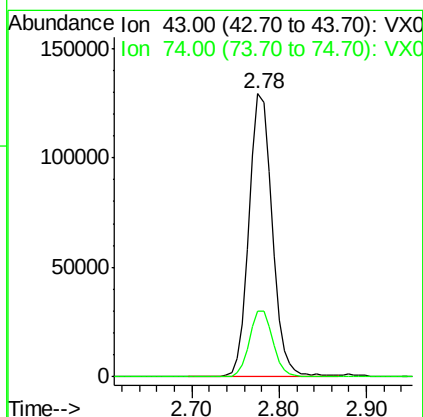
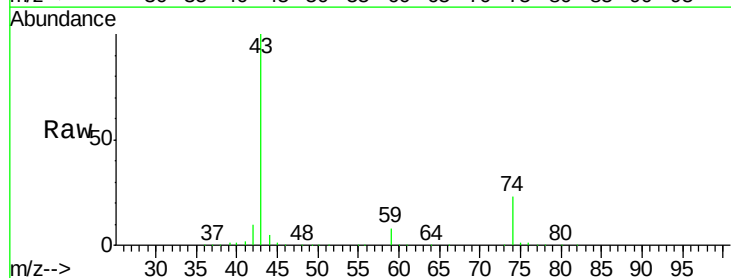
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

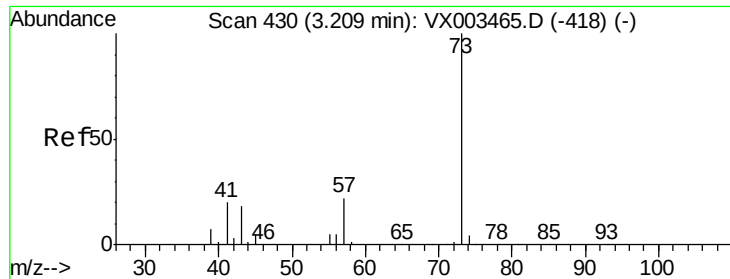
Tot Ion: 76 Resp: 459640
Ion Ratio Lower Upper
76 100
78 9.2 6.9 10.3



#18
Methyl Acetate
Concen: 51.71 ug/l
RT: 2.78 min Scan# 359
Delta R.T. -0.01 min
Lab File: VX003472.D
Acq: 19 Jul 2018 19:15

Tgt Ion: 43 Resp: 237674
Ion Ratio Lower Upper
43 100
74 23.4 16.7 25.1

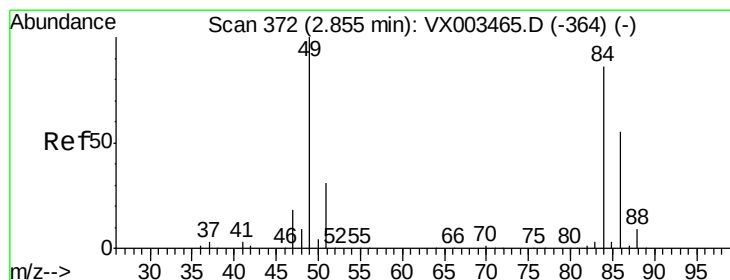
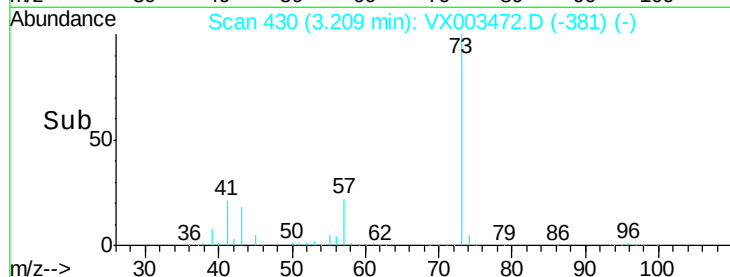
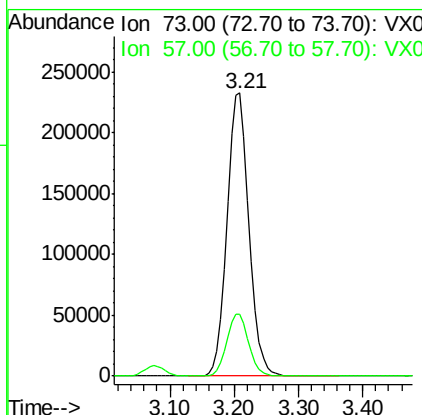
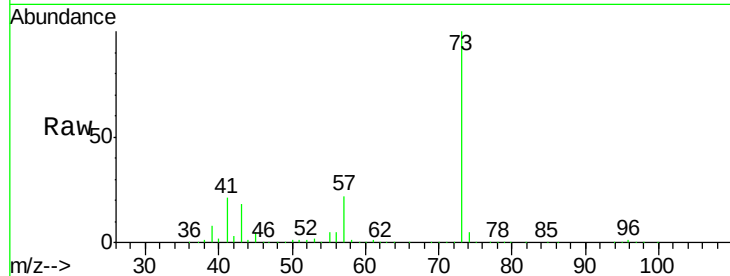




#19
Methyl tert-butyl Ether
Concen: 51.06 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX003472.D
Acq: 19 Jul 2018 19:15

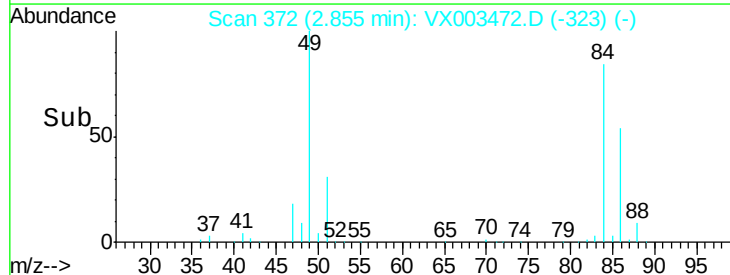
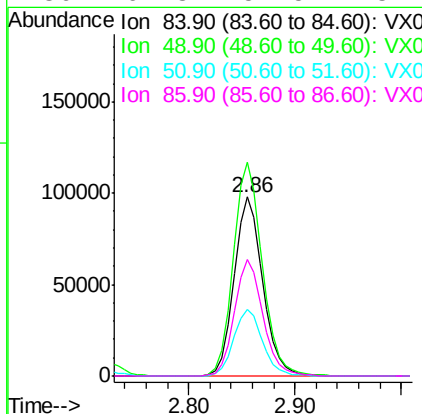
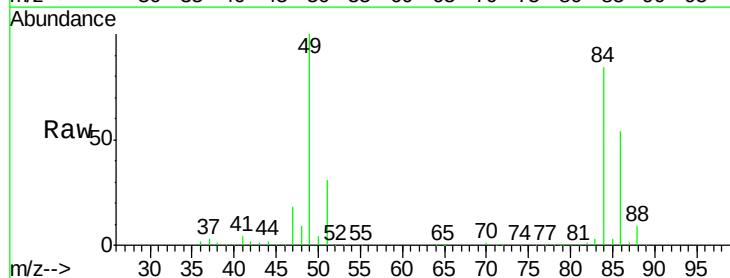
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

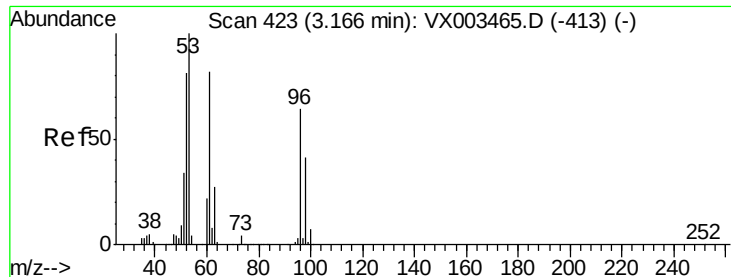
Tot Ion: 73 Resp: 555251
Ion Ratio Lower Upper
73 100
57 22.1 17.7 26.5



#20
Methylene Chloride
Concen: 51.91 ug/l
RT: 2.86 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX003472.D
Acq: 19 Jul 2018 19:15

Tgt Ion: 84 Resp: 184907
Ion Ratio Lower Upper
84 100
49 119.4 107.8 161.6
51 36.9 32.8 49.2
86 64.8 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 48.53 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.01 min

Lab File: VX003472.D

Acq: 19 Jul 2018 19:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

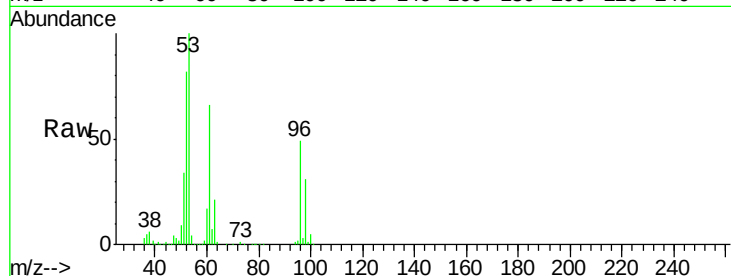
Tot Ion: 96 Resp: 179807

Ion Ratio Lower Upper

96 100

61 134.9 117.0 175.4

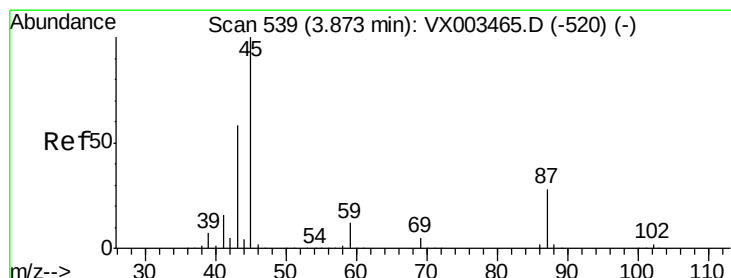
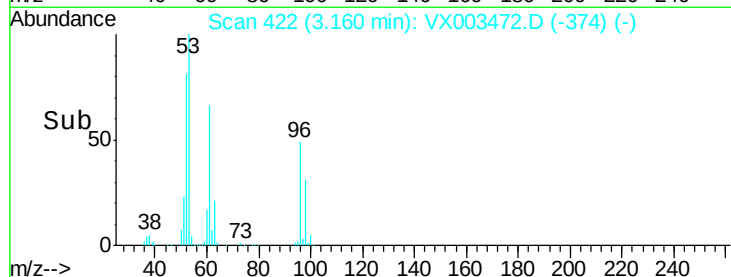
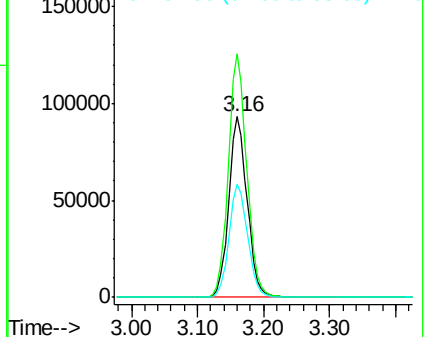
98 62.6 52.4 78.6



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 50.21 ug/l

RT: 3.87 min Scan# 539

Delta R.T. 0.00 min

Lab File: VX003472.D

Acq: 19 Jul 2018 19:15

Tgt Ion: 45 Resp: 556957

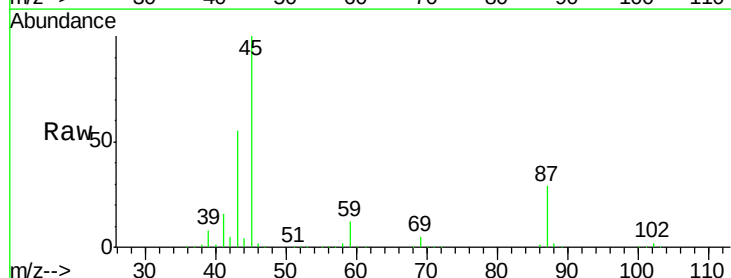
Ion Ratio Lower Upper

45 100

43 55.2 46.8 70.2

87 29.3 20.2 30.4

59 11.6 8.7 13.1

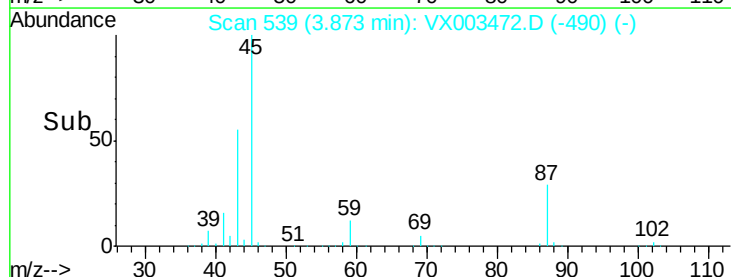
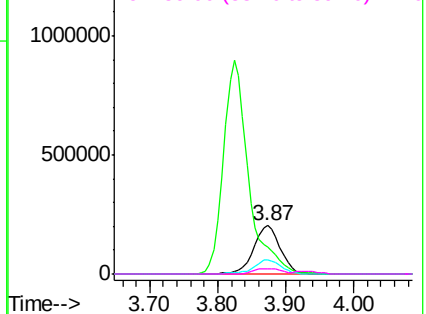


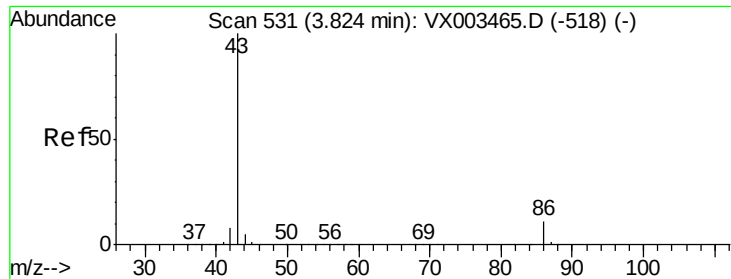
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 252.27 ug/l

RT: 3.82 min Scan# 531

Delta R.T. 0.00 min

Lab File: VX003472.D

Acq: 19 Jul 2018 19:15

Instrument :

MSVOA_X

ClientSampleId :

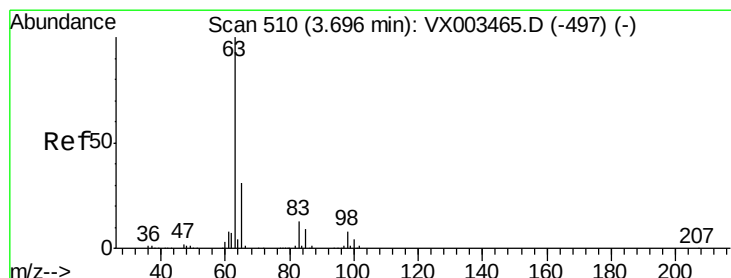
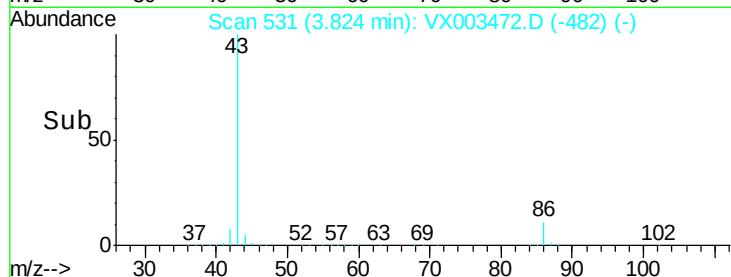
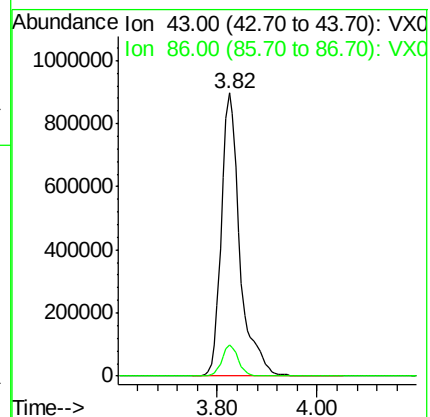
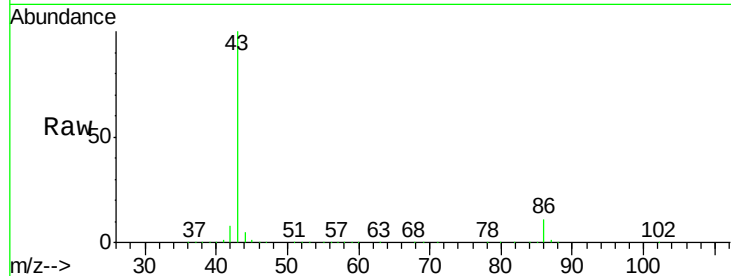
VSTDCCC050

Tot Ion: 43 Resp: 2305056

Ion Ratio Lower Upper

43 100

86 10.9 7.4 11.0



#24

1,1-Dichloroethane

Concen: 50.80 ug/l

RT: 3.69 min Scan# 509

Delta R.T. -0.01 min

Lab File: VX003472.D

Acq: 19 Jul 2018 19:15

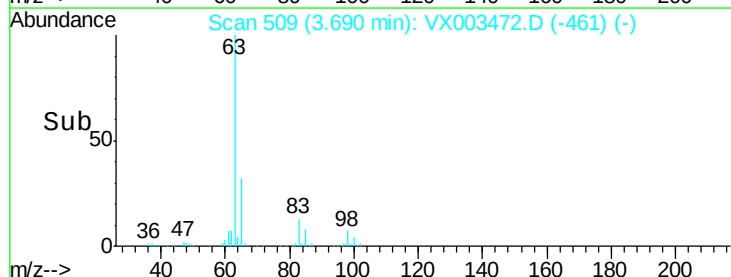
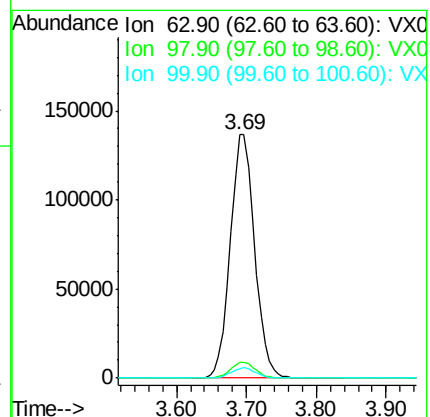
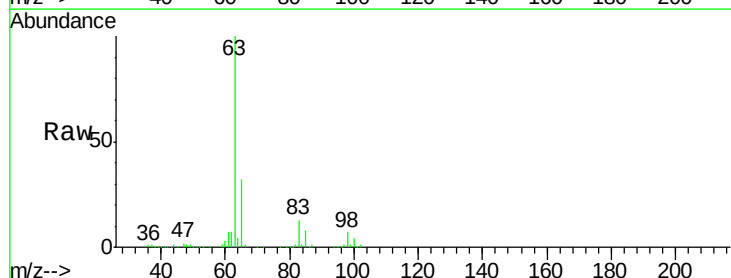
Tgt Ion: 63 Resp: 330631

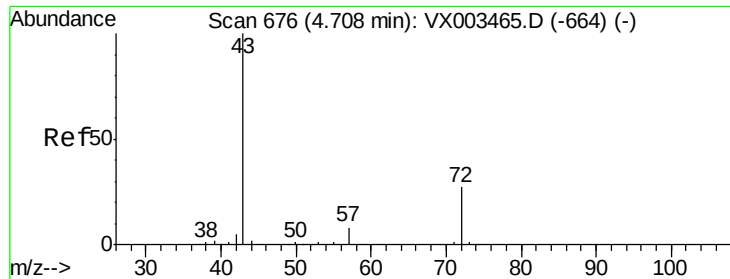
Ion Ratio Lower Upper

63 100

98 6.7 3.4 10.2

100 4.1 2.0 6.0





#25

2-Butanone

Concen: 249.17 ug/l

RT: 4.71 min Scan# 676

Delta R.T. 0.00 min

Lab File: VX003472.D

Acq: 19 Jul 2018 19:15

Instrument :

MSVOA_X

ClientSampleId :

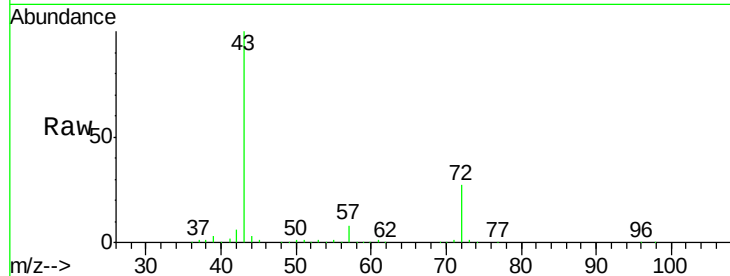
VSTDCCC050

Tot Ion: 43 Resp: 609471

Ion Ratio Lower Upper

43 100

72 27.0 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

250000

200000

150000

100000

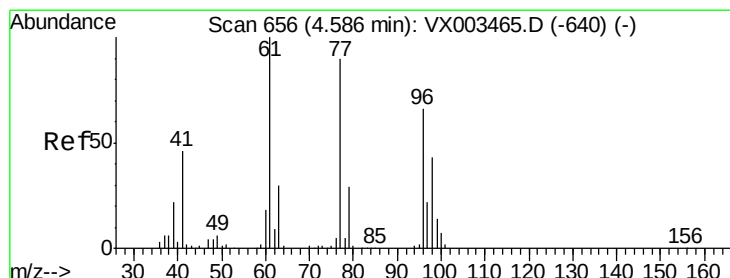
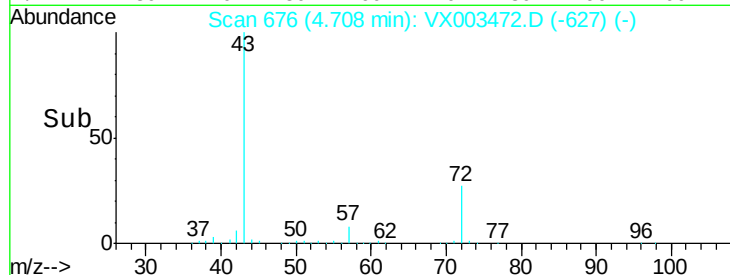
50000

0

4.60 4.70 4.80

4.71

Time-->



#26

2,2-Dichloropropane

Concen: 48.54 ug/l

RT: 4.58 min Scan# 655

Delta R.T. -0.01 min

Lab File: VX003472.D

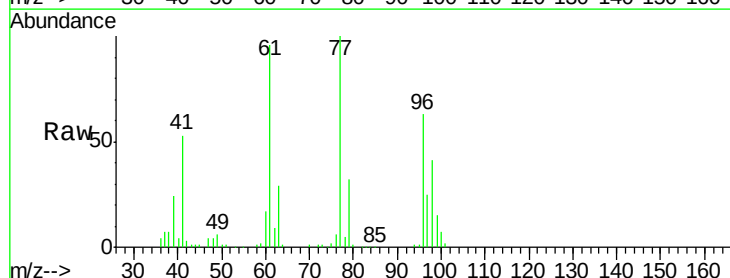
Acq: 19 Jul 2018 19:15

Tgt Ion: 77 Resp: 239927

Ion Ratio Lower Upper

77 100

97 24.8 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

80000

60000

40000

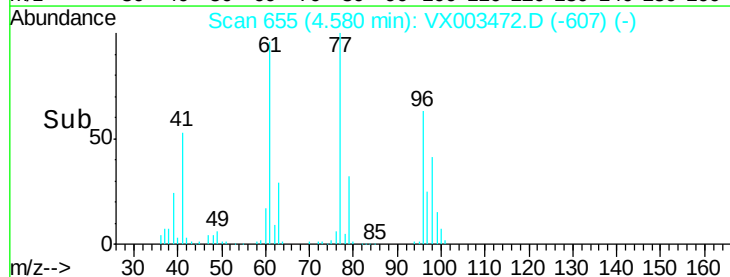
20000

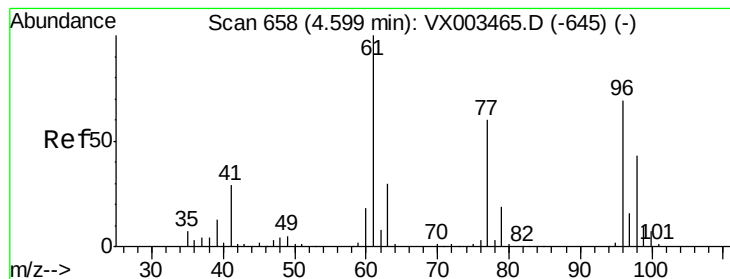
0

4.40 4.50 4.60 4.70 4.80

4.58

Time-->





#27

cis-1,2-Dichloroethene

Concen: 48.45 ug/l

RT: 4.59 min Scan# 657

Delta R.T. -0.01 min

Lab File: VX003472.D

Acq: 19 Jul 2018 19:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

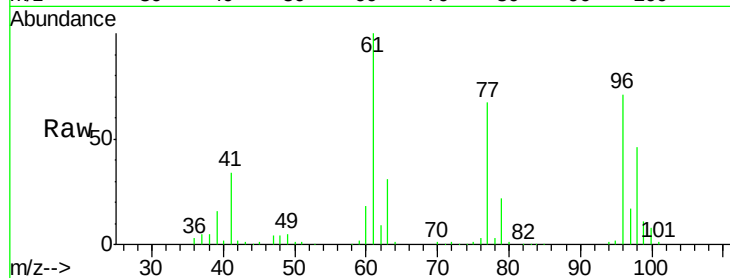
Tot Ion: 96 Resp: 199873

Ion Ratio Lower Upper

96 100

61 157.9 0.0 330.2

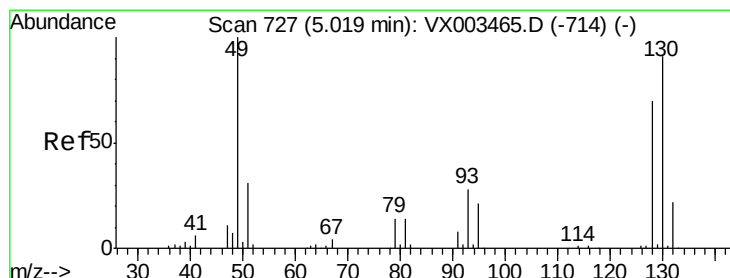
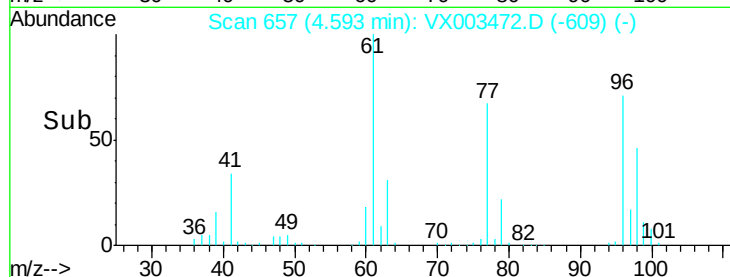
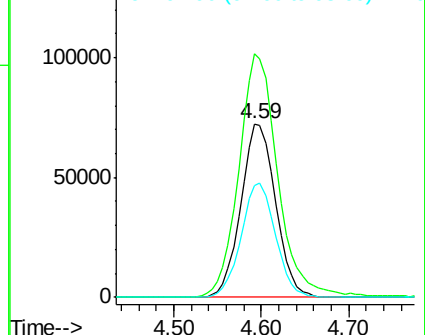
98 65.2 0.0 130.2



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane

Concen: 49.75 ug/l

RT: 5.02 min Scan# 727

Delta R.T. 0.00 min

Lab File: VX003472.D

Acq: 19 Jul 2018 19:15

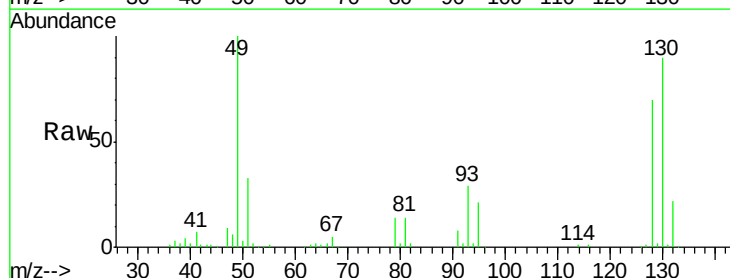
Tgt Ion: 49 Resp: 141524

Ion Ratio Lower Upper

49 100

129 2.2 0.0 4.2

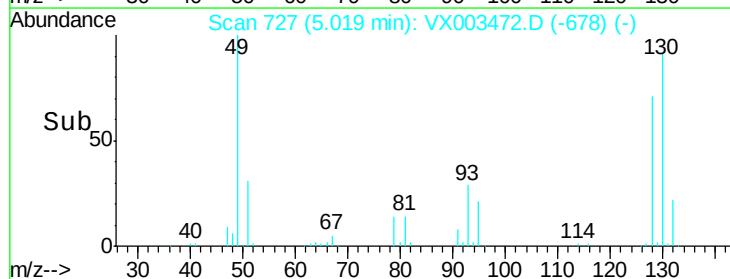
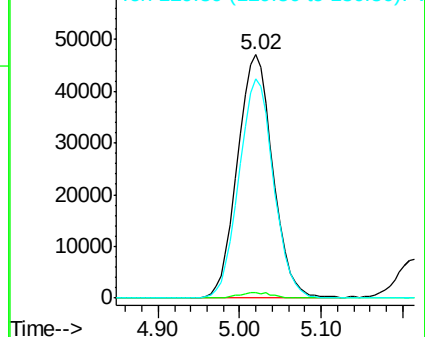
130 88.2 61.2 91.8

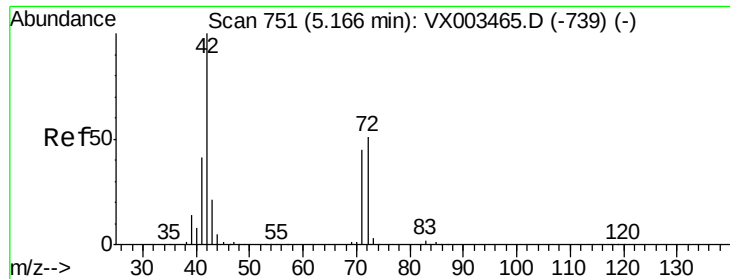


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 246.61 ug/l

RT: 5.16 min Scan# 750

Delta R.T. -0.01 min

Lab File: VX003472.D

Acq: 19 Jul 2018 19:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

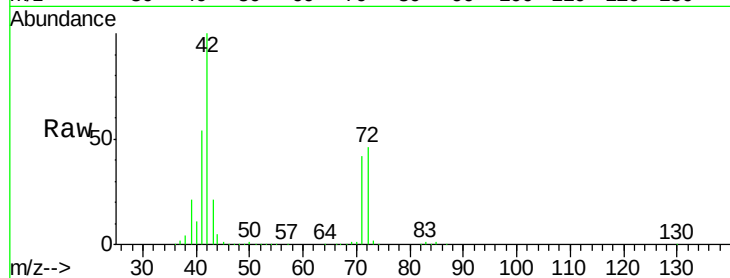
Tot Ion: 42 Resp: 398471

Ion Ratio Lower Upper

42 100

72 46.1 32.0 48.0

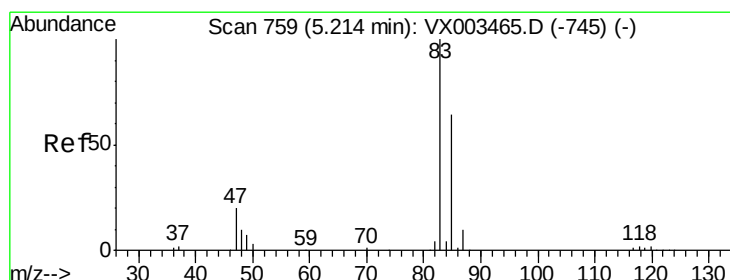
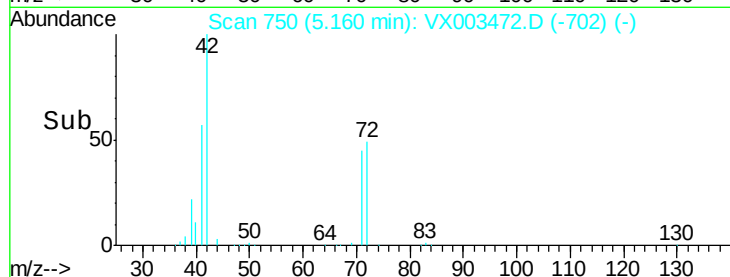
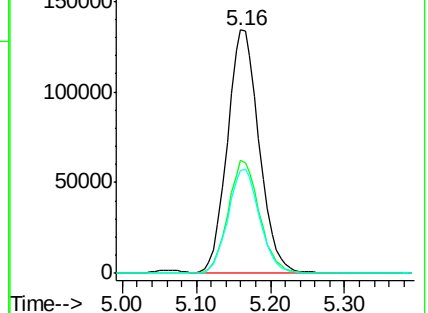
71 42.8 30.1 45.1



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 50.11 ug/l

RT: 5.21 min Scan# 759

Delta R.T. 0.00 min

Lab File: VX003472.D

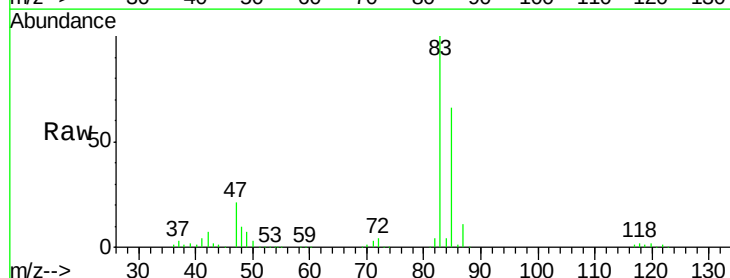
Acq: 19 Jul 2018 19:15

Tgt Ion: 83 Resp: 318469

Ion Ratio Lower Upper

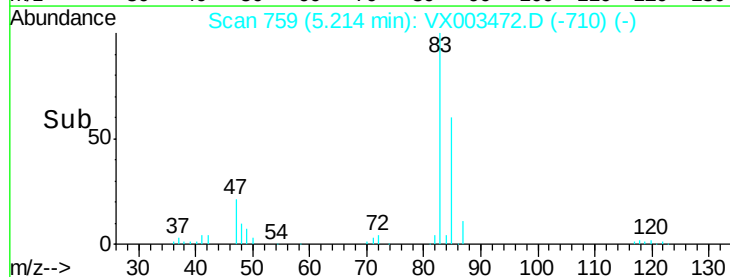
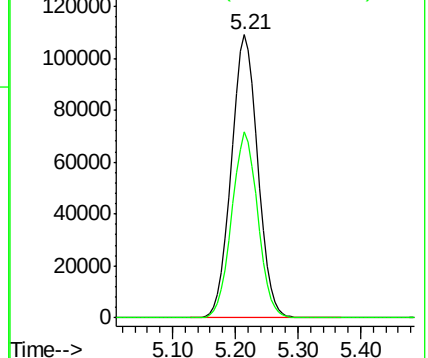
83 100

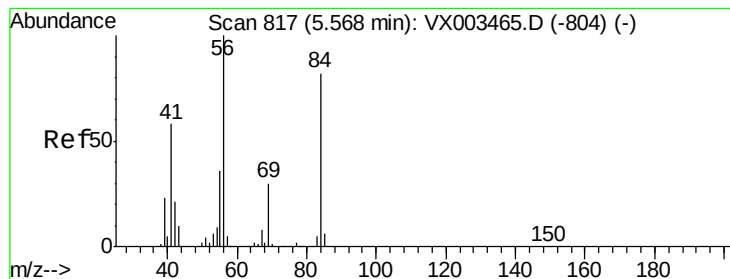
85 65.8 50.4 75.6



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0





#31

Cyclohexane

Concen: 49.48 ug/l

RT: 5.57 min Scan# 818

Delta R.T. 0.01 min

Lab File: VX003472.D

Acq: 19 Jul 2018 19:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

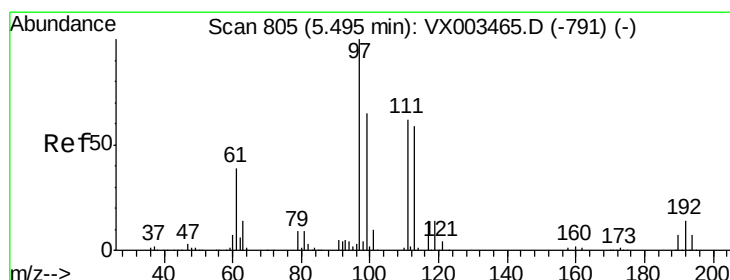
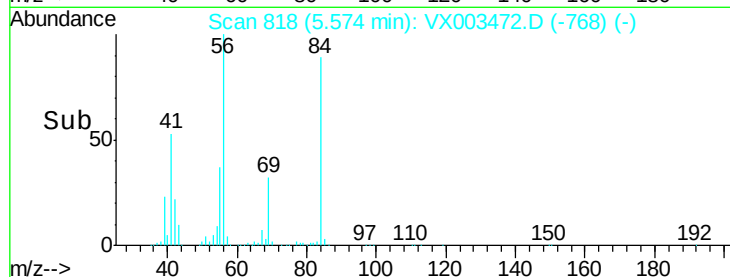
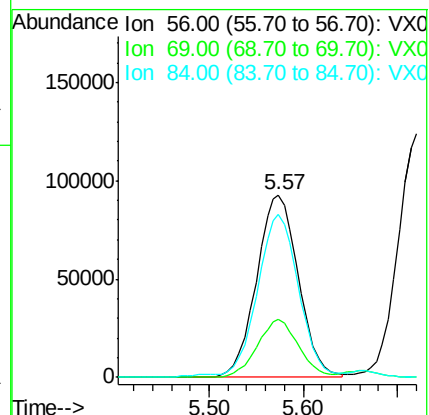
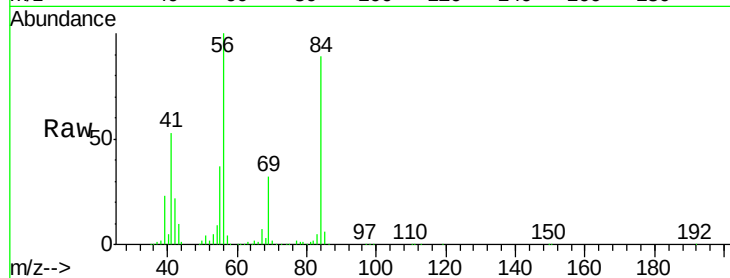
Tot Ion: 56 Resp: 287735

Ion Ratio Lower Upper

56 100

69 31.8 23.7 35.5

84 88.4 64.1 96.1



#32

1,1,1-Trichloroethane

Concen: 50.37 ug/l

RT: 5.49 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX003472.D

Acq: 19 Jul 2018 19:15

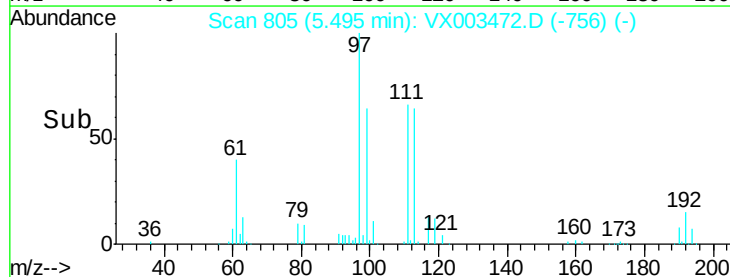
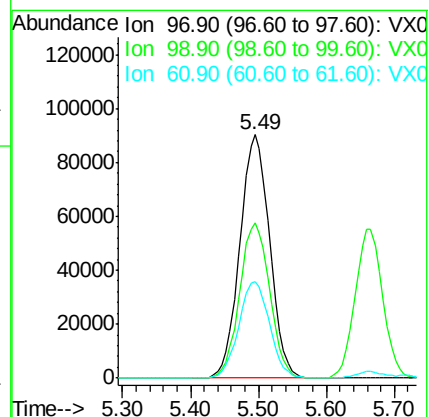
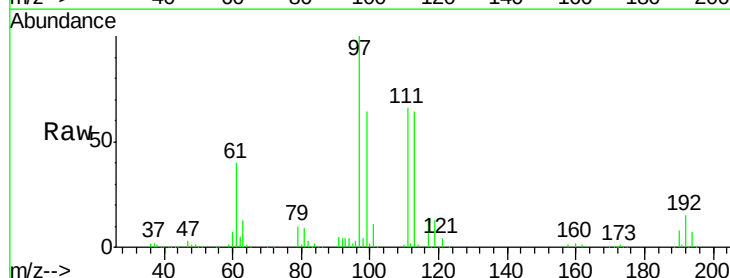
Tgt Ion: 97 Resp: 274109

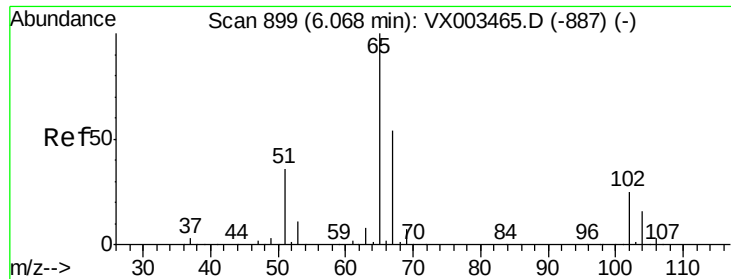
Ion Ratio Lower Upper

97 100

99 64.4 51.6 77.4

61 41.0 36.4 54.6

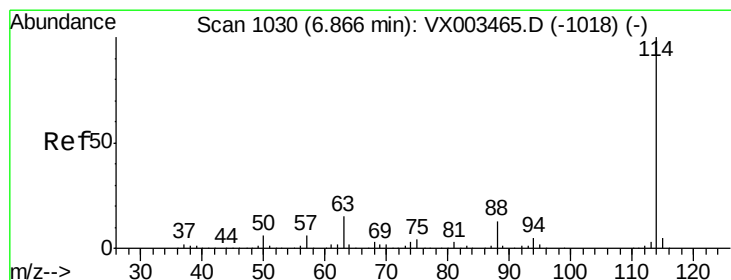
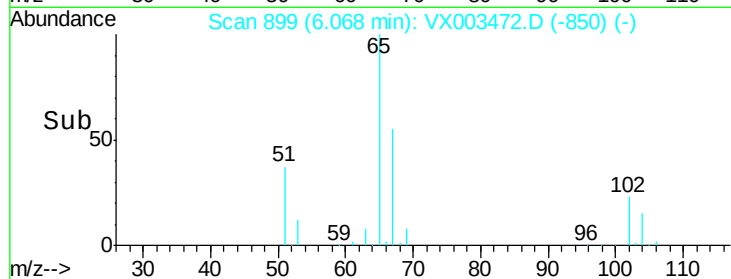
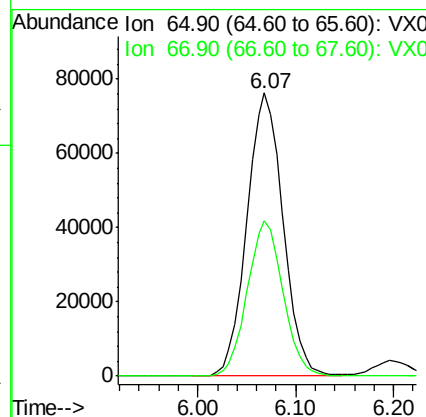
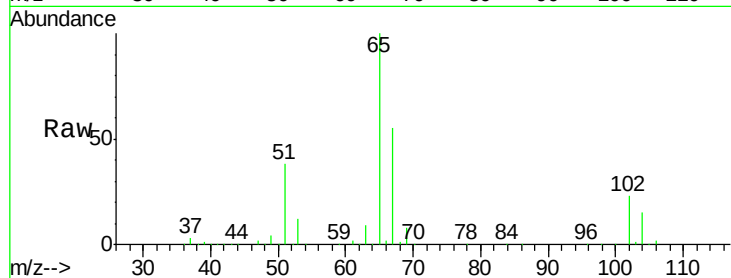




#33
 1,2-Dichloroethane-d4
 Concen: 50.83 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VX003472.D
 Acq: 19 Jul 2018 19:15

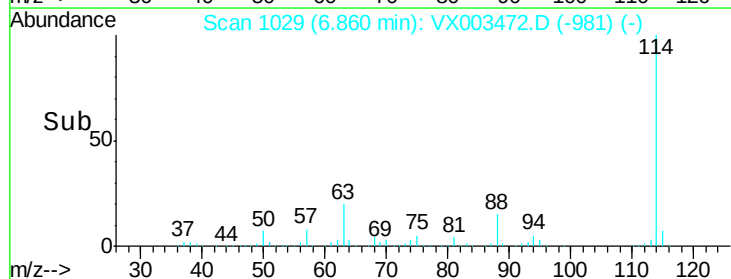
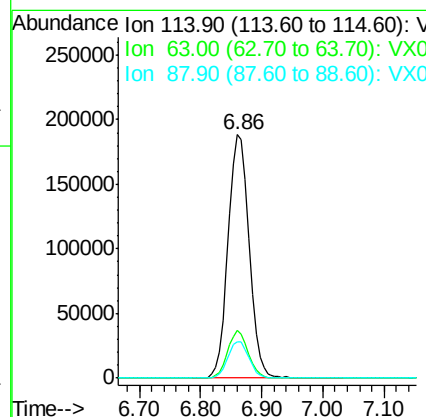
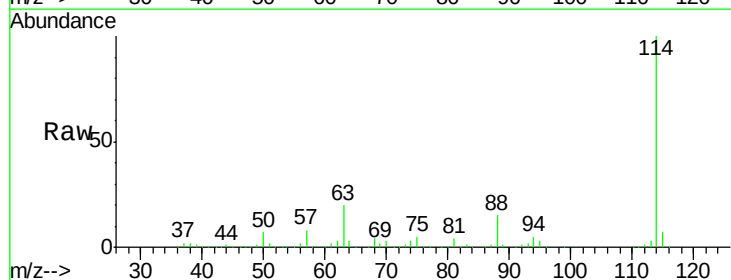
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

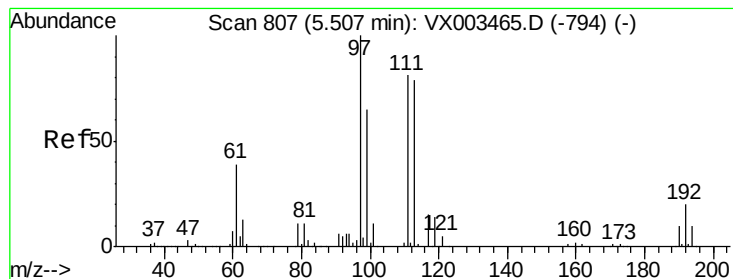
Tot Ion: 65 Resp: 196191
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: VX003472.D
 Acq: 19 Jul 2018 19:15

Tgt Ion: 114 Resp: 448039
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 41.4
 88 15.1 0.0 30.0





#35

Dibromofluoromethane

Concen: 52.30 ug/l

RT: 5.50 min Scan# 806

Delta R.T. -0.01 min

Lab File: VX003472.D

Acq: 19 Jul 2018 19:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

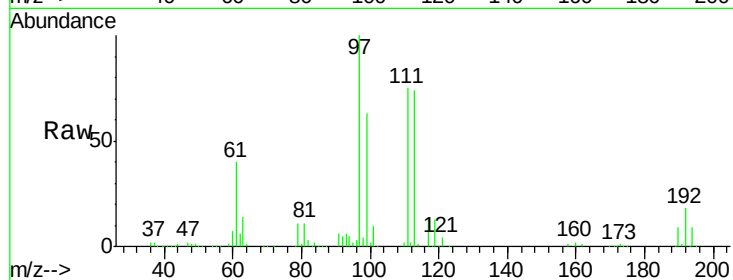
Tot Ion:113 Resp: 178491

Ion Ratio Lower Upper

113 100

111 102.4 81.4 122.0

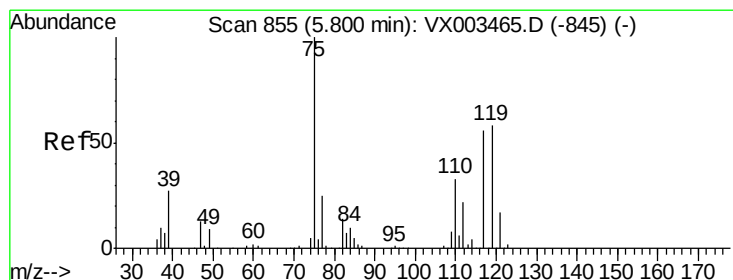
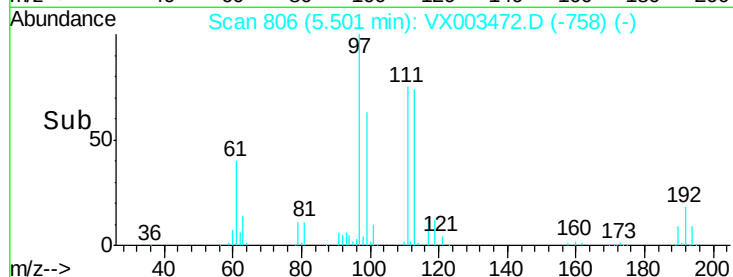
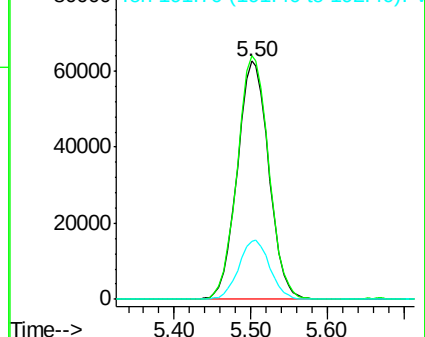
192 24.6 19.1 28.7



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 50.46 ug/l

RT: 5.80 min Scan# 855

Delta R.T. 0.00 min

Lab File: VX003472.D

Acq: 19 Jul 2018 19:15

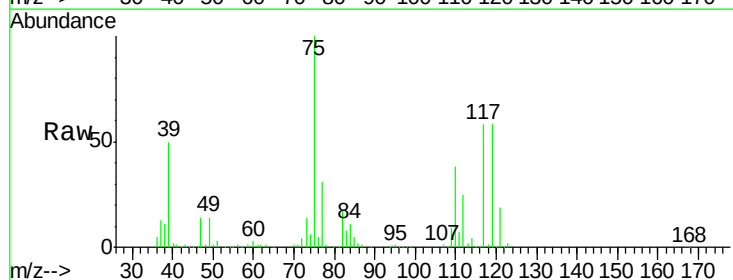
Tgt Ion: 75 Resp: 244113

Ion Ratio Lower Upper

75 100

110 38.1 18.1 54.4

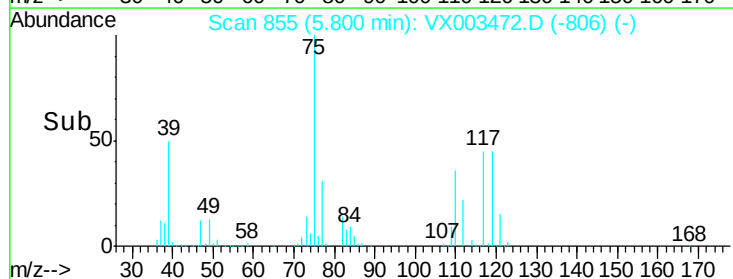
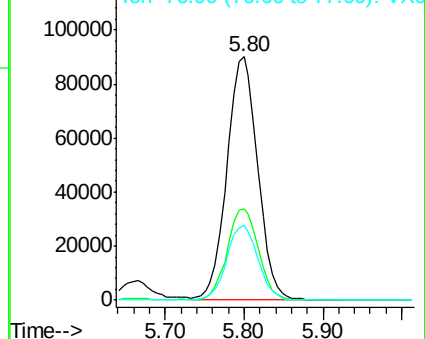
77 31.1 24.3 36.5

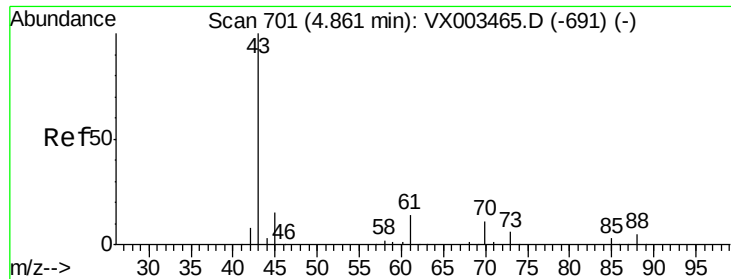


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

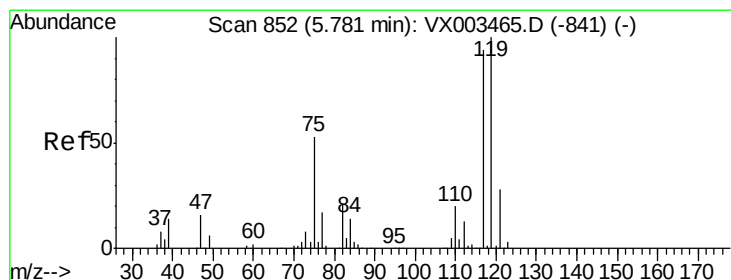
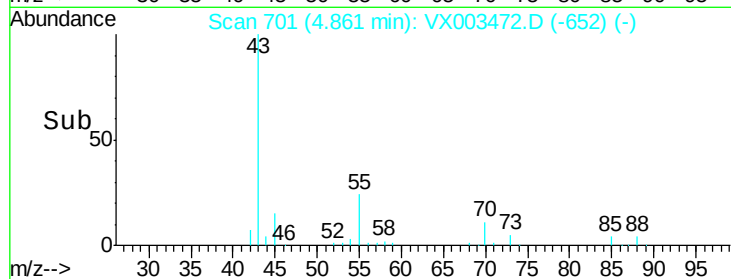
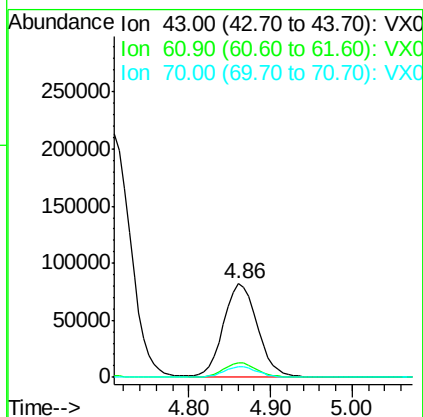
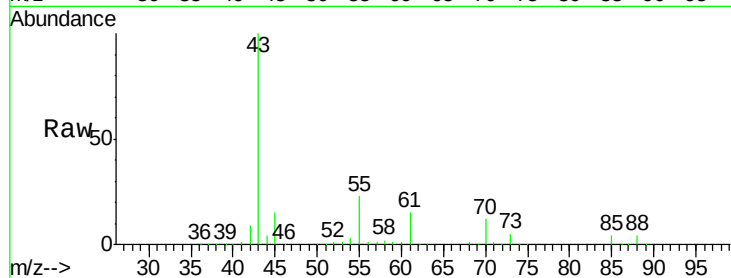




#37
Ethyl Acetate
Concen: 51.68 ug/l
RT: 4.86 min Scan# 701
Delta R.T. 0.00 min
Lab File: VX003472.D
Acq: 19 Jul 2018 19:15

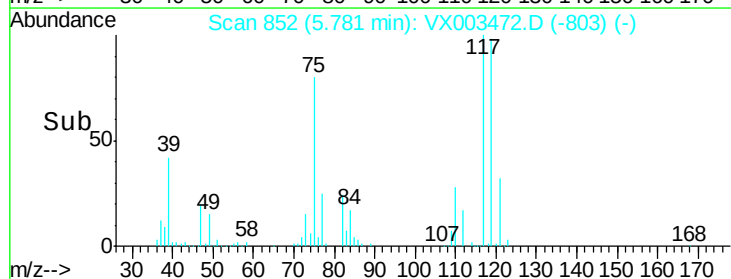
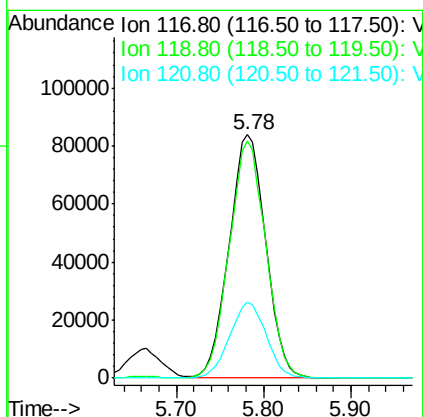
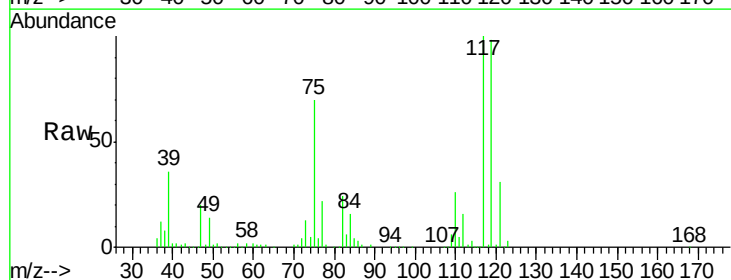
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

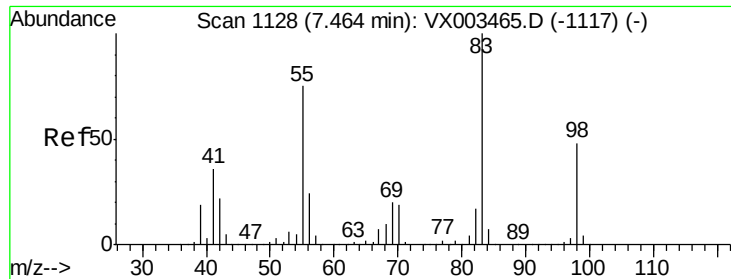
Tot Ion: 43 Resp: 236568
Ion Ratio Lower Upper
43 100
61 14.9 10.4 15.6
70 11.2 7.6 11.4



#38
Carbon Tetrachloride
Concen: 51.58 ug/l
RT: 5.78 min Scan# 852
Delta R.T. 0.00 min
Lab File: VX003472.D
Acq: 19 Jul 2018 19:15

Tgt Ion: 117 Resp: 244757
Ion Ratio Lower Upper
117 100
119 97.6 77.4 116.0
121 31.2 24.4 36.6

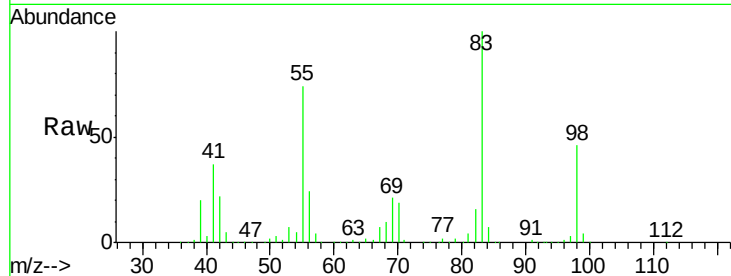




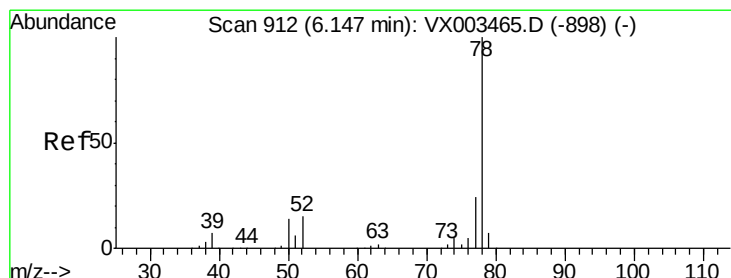
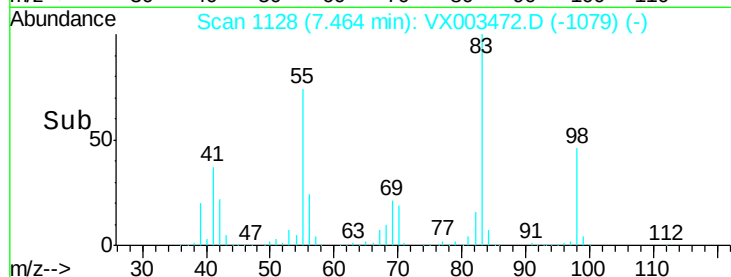
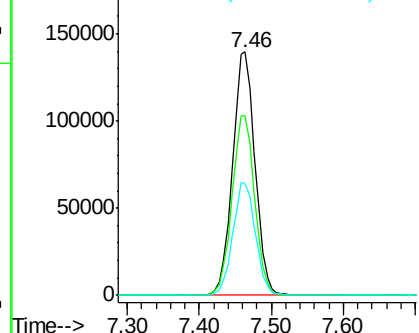
#39
Methylvlcyclohexane
Concen: 52.81 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX003472.D
Acq: 19 Jul 2018 19:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 302594
Ion Ratio Lower Upper
83 100
55 73.6 65.4 98.0
98 46.0 37.4 56.0

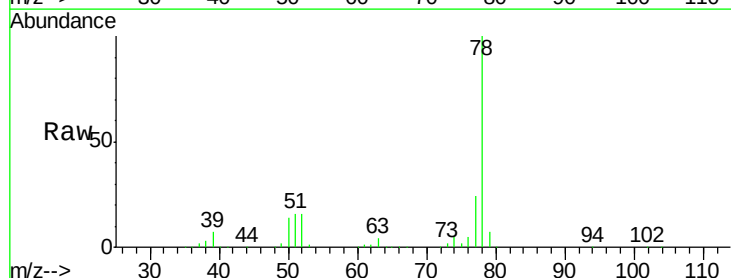


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

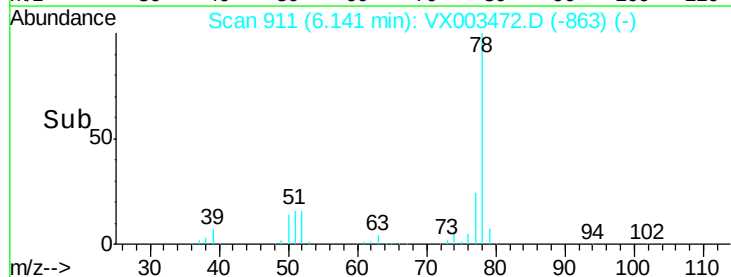
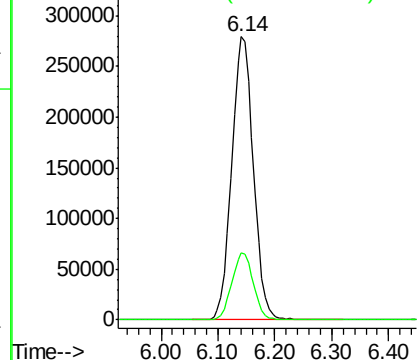


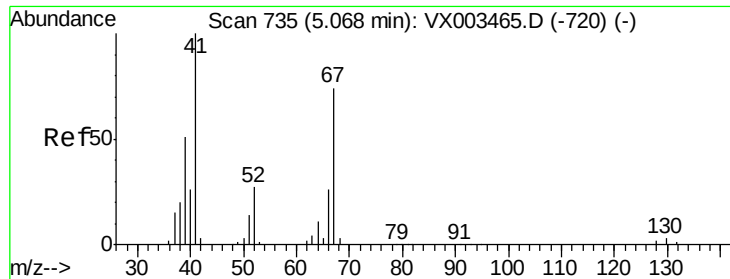
#40
Benzene
Concen: 50.82 ug/l
RT: 6.14 min Scan# 911
Delta R.T. -0.01 min
Lab File: VX003472.D
Acq: 19 Jul 2018 19:15

Tgt Ion: 78 Resp: 742290
Ion Ratio Lower Upper
78 100
77 23.8 19.1 28.7



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





#41

Methacrylonitrile

Concen: 50.96 ug/l

RT: 5.06 min Scan# 734

Delta R.T. -0.01 min

Lab File: VX003472.D

Acq: 19 Jul 2018 19:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 137096

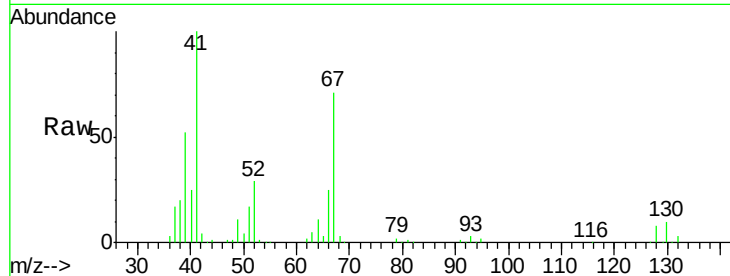
Ion Ratio Lower Upper

41 100

39 51.8 45.8 68.6

67 74.2 51.3 76.9

52 28.3 23.0 34.6

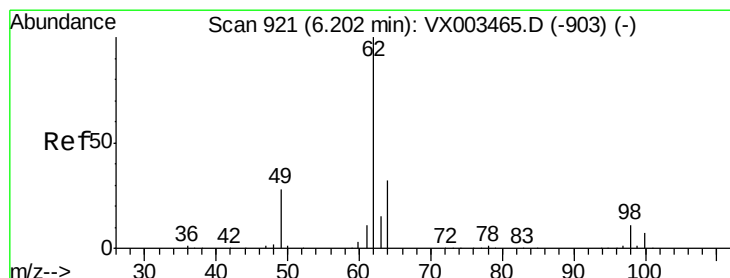
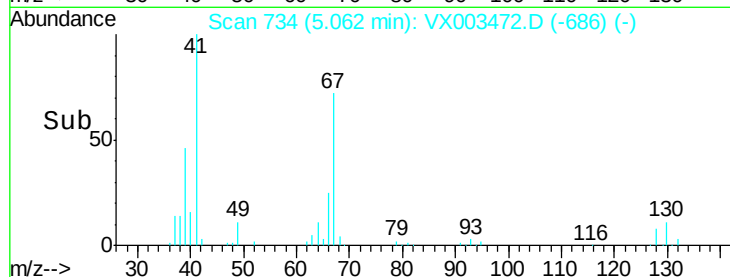
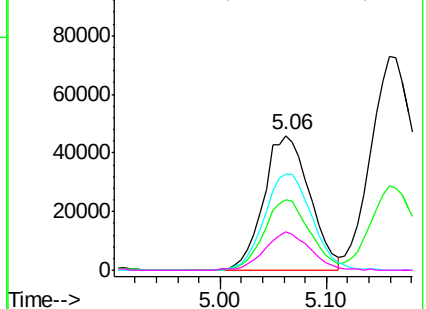


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 51.61 ug/l

RT: 6.20 min Scan# 920

Delta R.T. -0.01 min

Lab File: VX003472.D

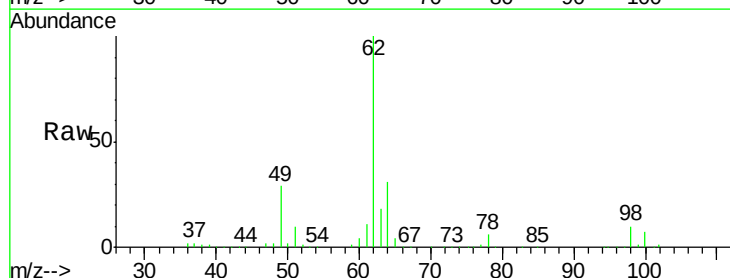
Acq: 19 Jul 2018 19:15

Tgt Ion: 62 Resp: 237474

Ion Ratio Lower Upper

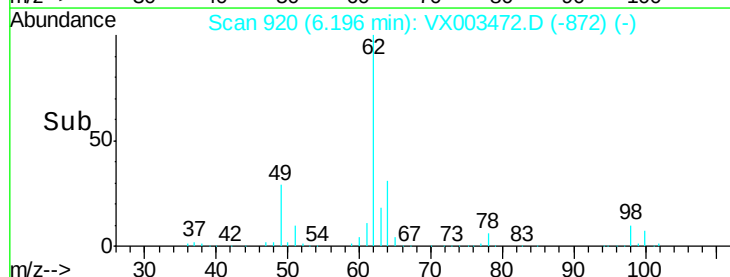
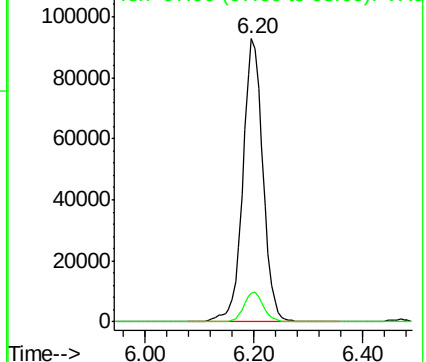
62 100

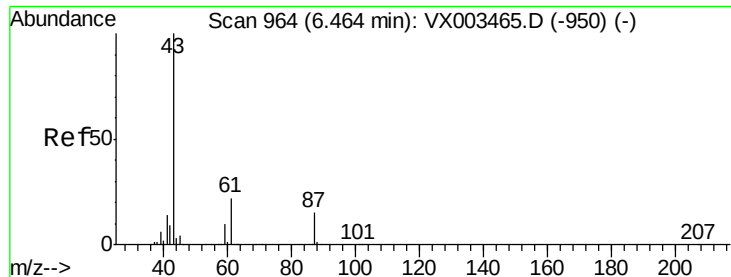
98 10.2 0.0 16.6



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



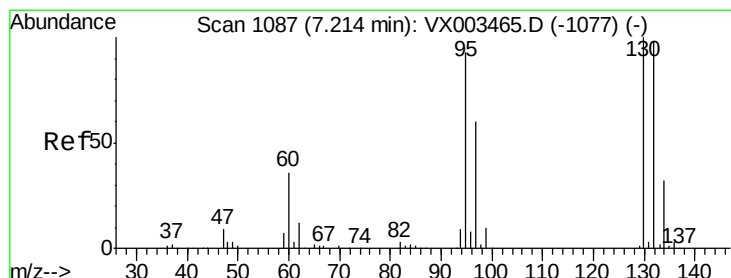
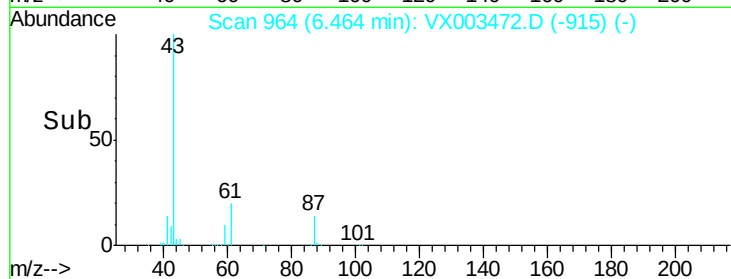
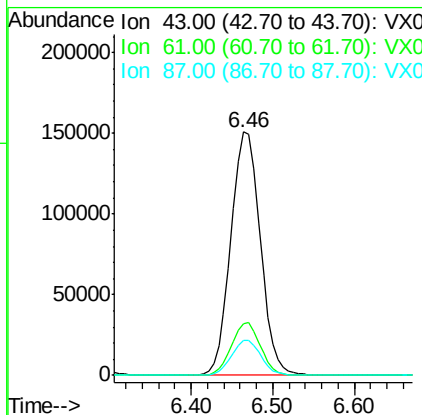
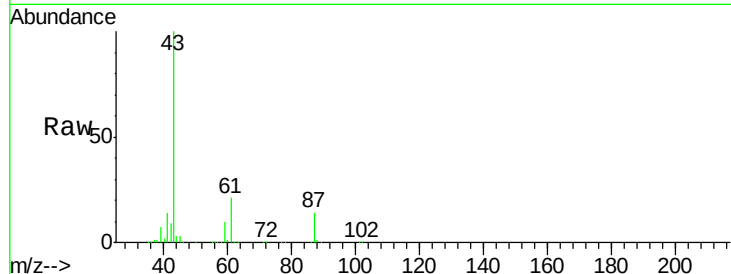


#43

Isopropyl Acetate
 Concen: 51.79 ug/l
 RT: 6.46 min Scan# 964
 Delta R.T. 0.00 min
 Lab File: VX003472.D
 Acq: 19 Jul 2018 19:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

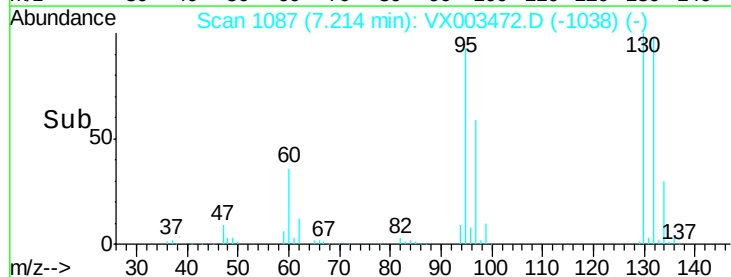
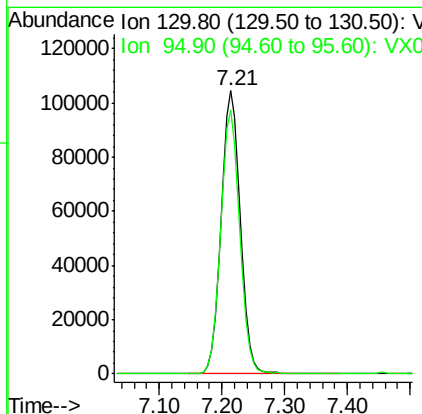
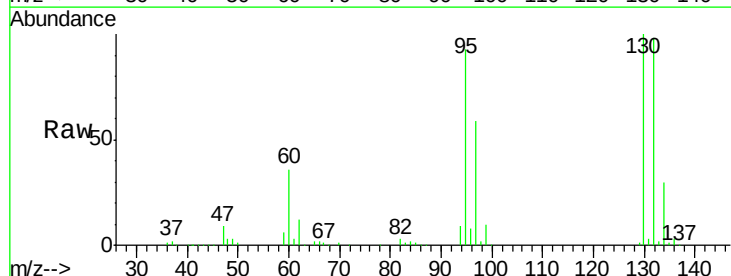
Tot Ion	43	Resp	377126
Ion Ratio	Lower	Upper	
43	100		
61	21.3	14.4	21.6
87	14.3	9.5	14.3#

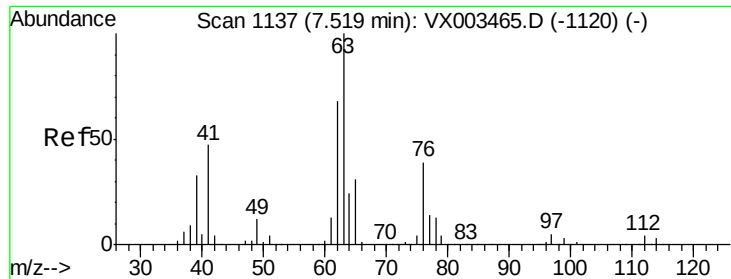


#44

Trichloroethene
 Concen: 50.64 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. 0.00 min
 Lab File: VX003472.D
 Acq: 19 Jul 2018 19:15

Tgt Ion	130	Resp	220576
Ion Ratio	Lower	Upper	
130	100		
95	93.1	0.0	185.4

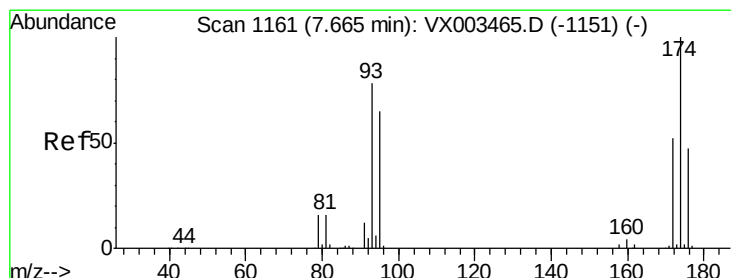
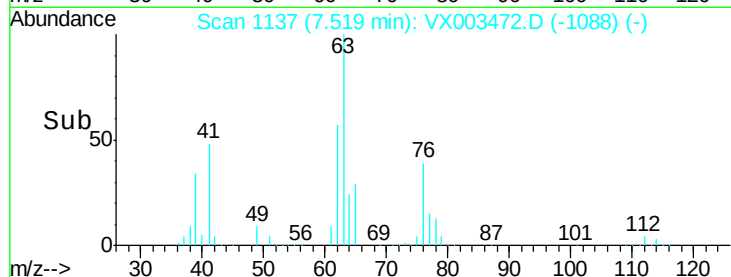
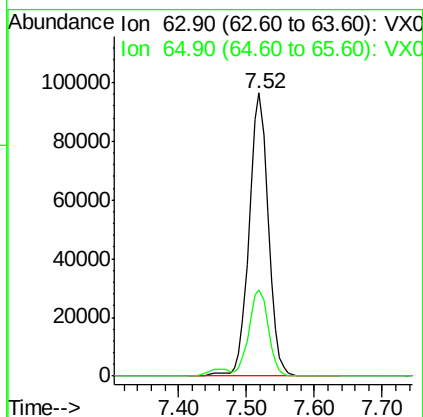
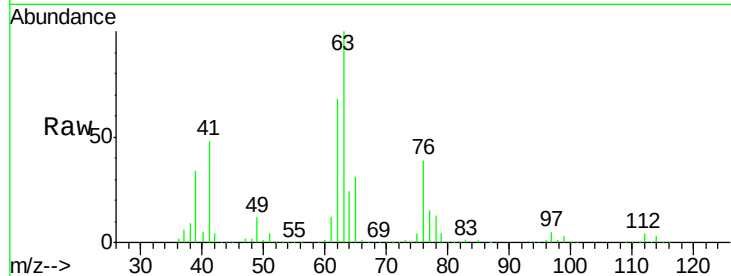




#45
 1,2-Dichloropropane
 Concen: 51.29 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. 0.00 min
 Lab File: VX003472.D
 Acq: 19 Jul 2018 19:15

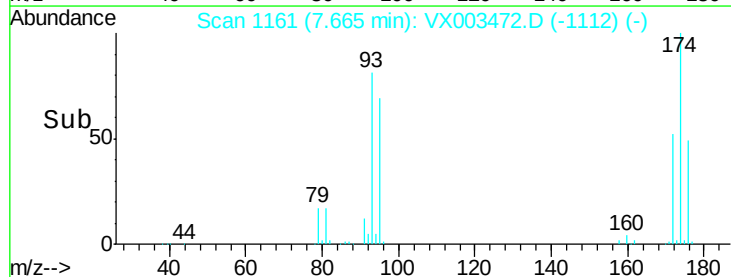
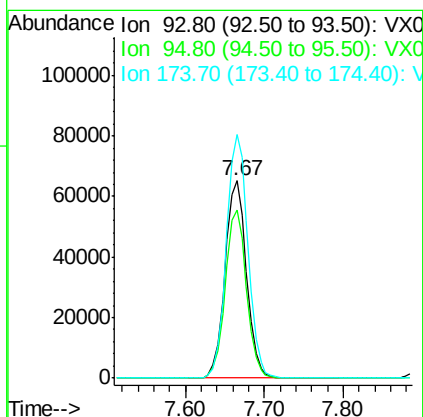
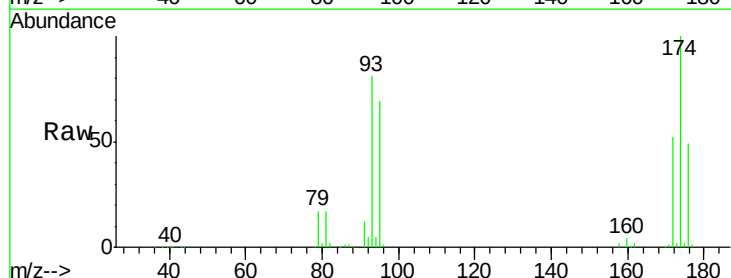
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

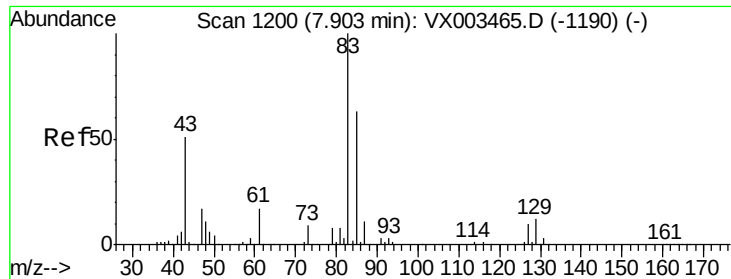
Tot Ion: 63 Resp: 190220
 Ion Ratio Lower Upper
 63 100
 65 30.6 24.7 37.1



#46
 Dibromomethane
 Concen: 51.60 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. 0.00 min
 Lab File: VX003472.D
 Acq: 19 Jul 2018 19:15

Tgt Ion: 93 Resp: 123197
 Ion Ratio Lower Upper
 93 100
 95 84.5 65.9 98.9
 174 123.8 92.4 138.6





#47

Bromodichloromethane

Concen: 53.54 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX003472.D

Acq: 19 Jul 2018 19:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

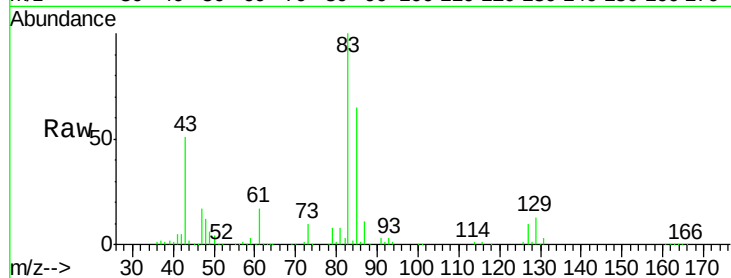
Tot Ion: 83 Resp: 234011

Ion Ratio Lower Upper

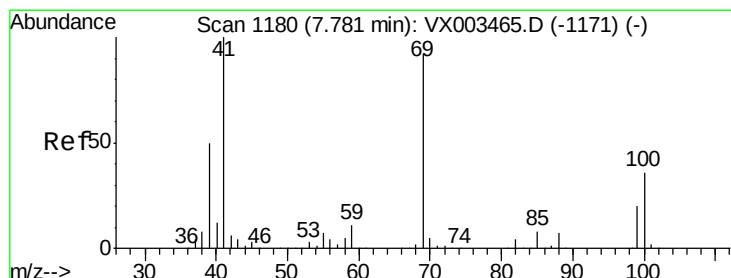
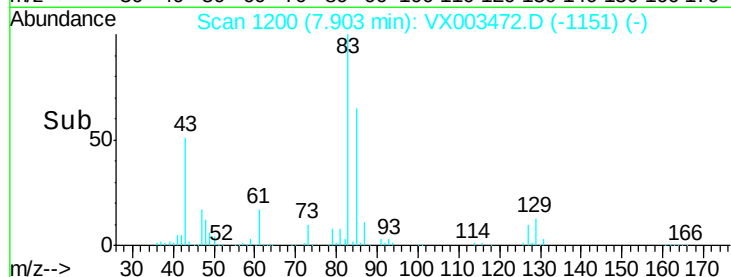
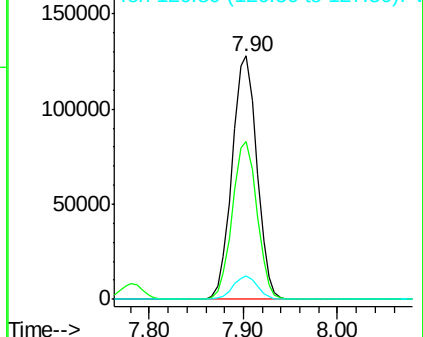
83 100

85 65.0 50.3 75.5

127 9.6 7.0 10.4



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: 53.96 ug/l

RT: 7.78 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VX003472.D

Acq: 19 Jul 2018 19:15

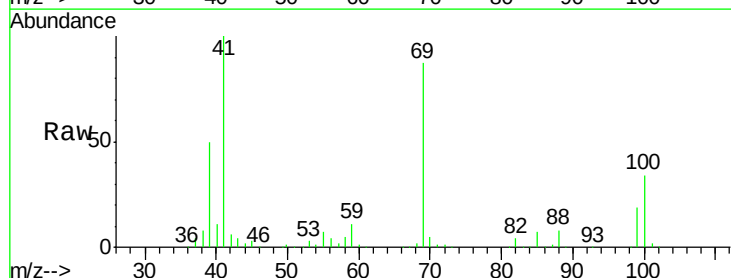
Tgt Ion: 41 Resp: 198126

Ion Ratio Lower Upper

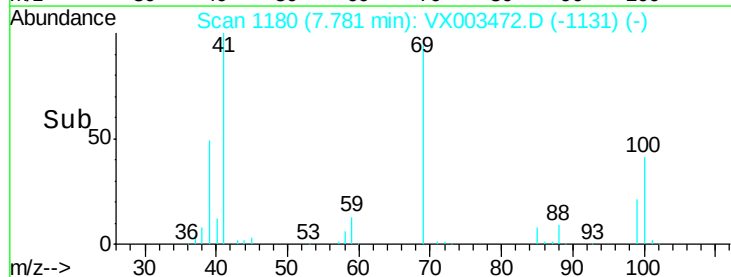
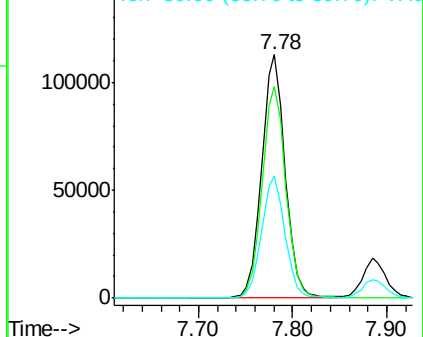
41 100

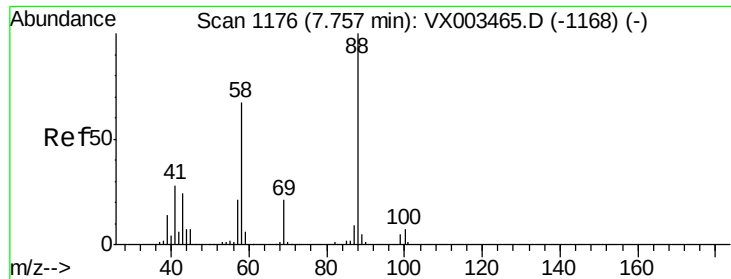
69 88.3 59.1 88.7

39 50.0 48.9 73.3



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

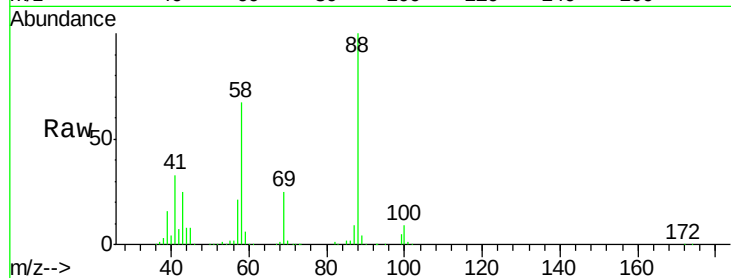




#49
1,4-Dioxane
Concen: 1044.89 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. 0.00 min
Lab File: VX003472.D
Acq: 19 Jul 2018 19:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	86935
Ion	Ratio	Lower	Upper
88	100		
43	30.1	29.8	44.6
58	69.9	57.1	85.7

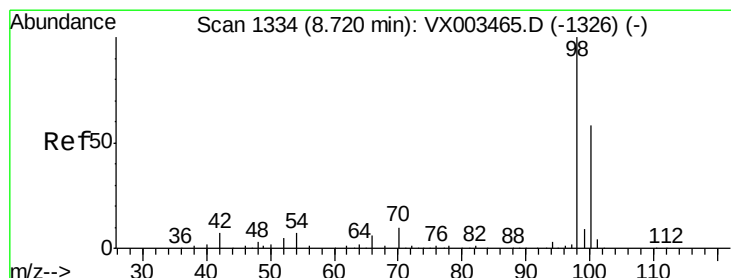
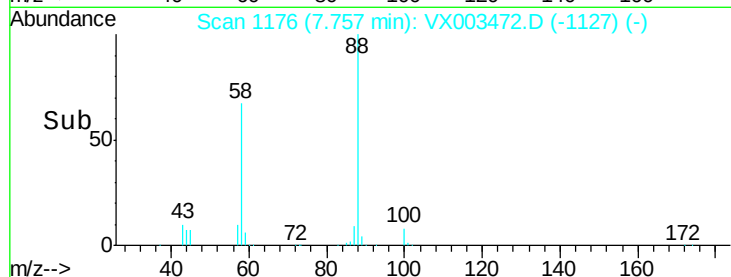
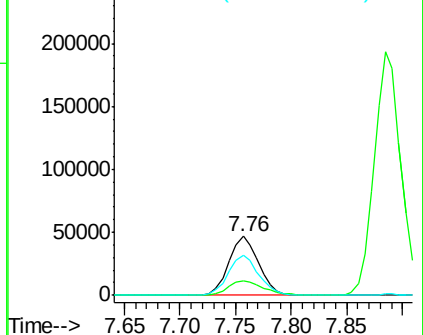


Abundance

Ion 88.00 (87.70 to 88.70): VX0

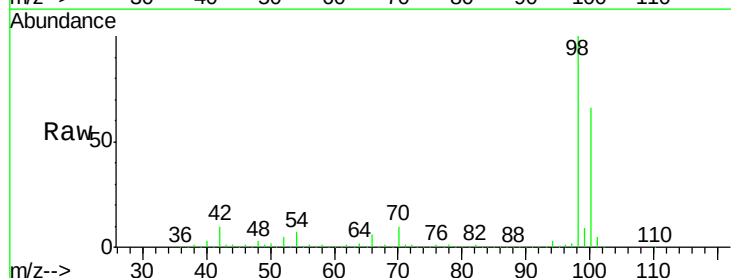
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50
Toluene-d8
Concen: 53.40 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003472.D
Acq: 19 Jul 2018 19:15

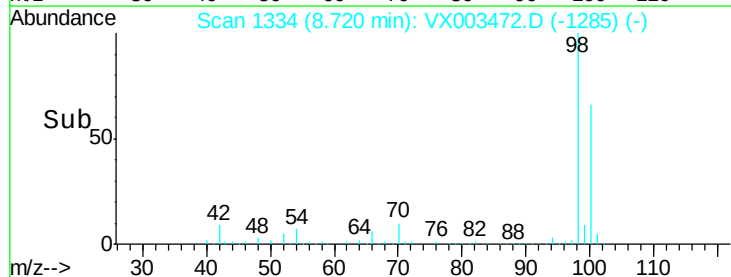
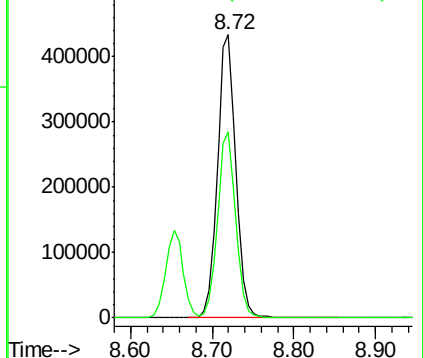
Tgt Ion	98	Resp	684917
Ion	Ratio	Lower	Upper
98	100		
100	65.2	50.9	76.3

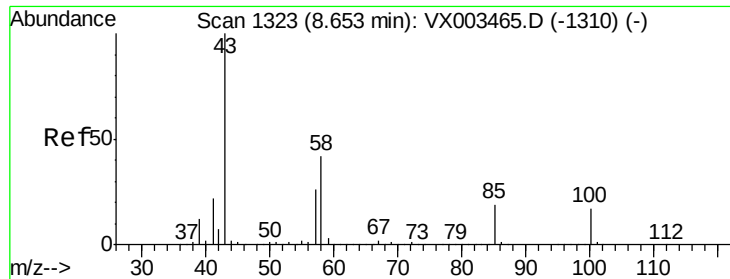


Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

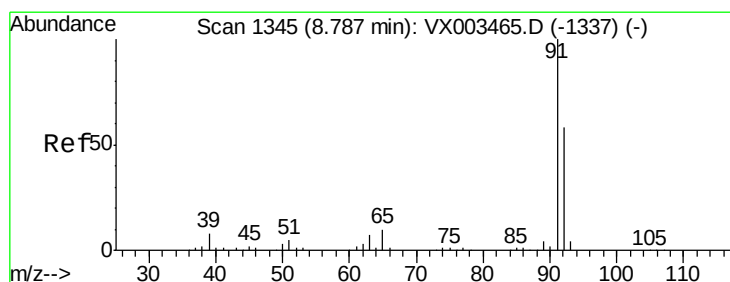
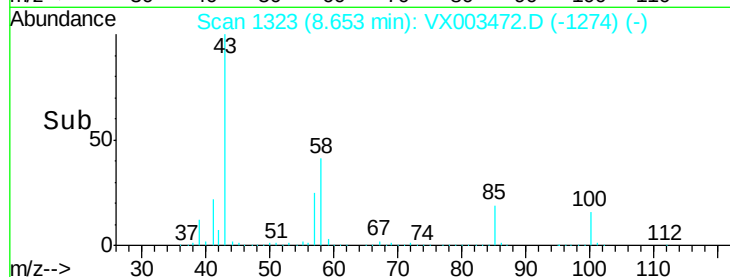
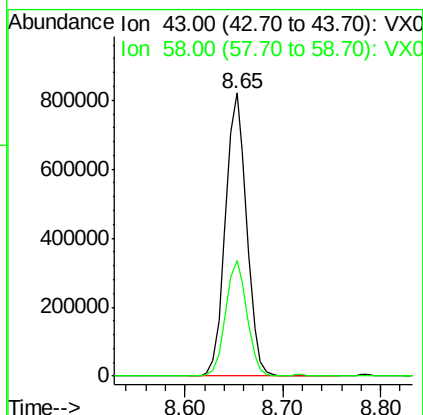
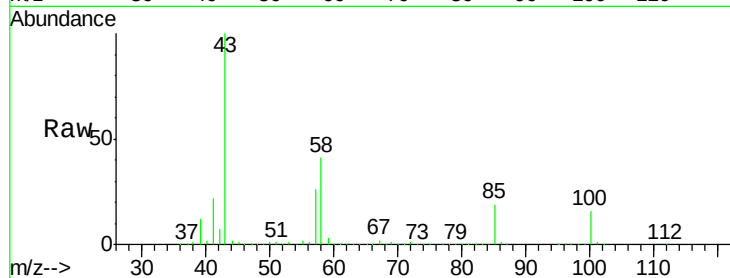




#51
4-Methyl-2-Pentanone
Concen: 268.66 ug/l
RT: 8.65 min Scan# 1323
Delta R.T. 0.00 min
Lab File: VX003472.D
Acq: 19 Jul 2018 19:15

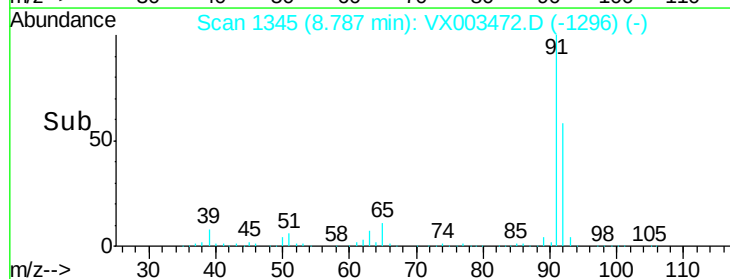
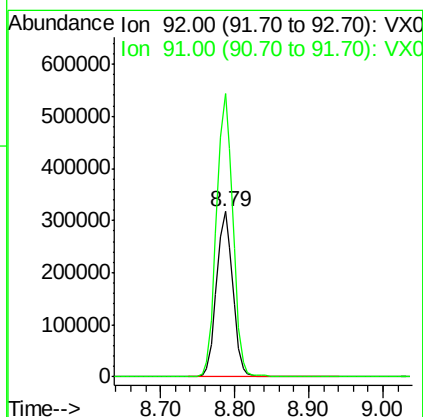
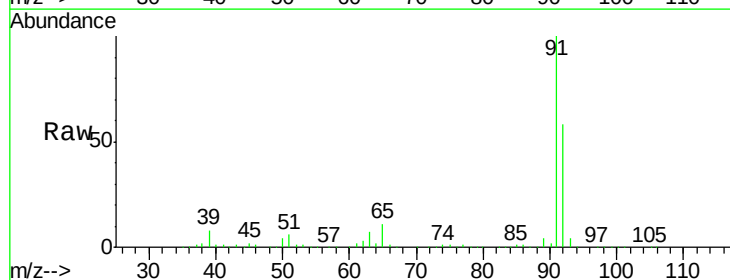
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

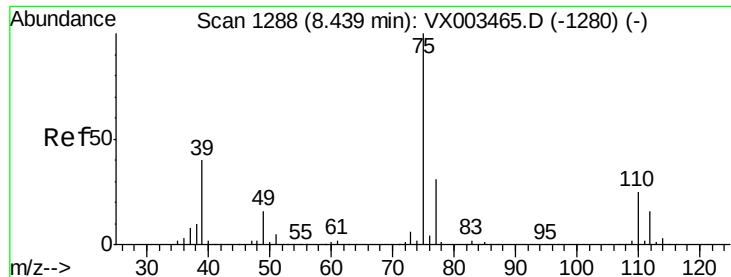
Tot Ion: 43 Resp: 1235877
Ion Ratio Lower Upper
43 100
58 40.9 28.6 42.8



#52
Toluene
Concen: 51.87 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. 0.00 min
Lab File: VX003472.D
Acq: 19 Jul 2018 19:15

Tgt Ion: 92 Resp: 476874
Ion Ratio Lower Upper
92 100
91 173.1 140.4 210.6





#53

t-1,3-Dichloropropene

Concen: 54.19 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VX003472.D

Acq: 19 Jul 2018 19:15

Instrument :

MSVOA_X

ClientSampleId :

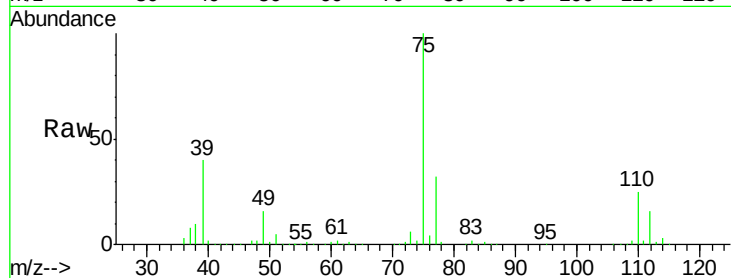
VSTDCCC050

Tot Ion: 75 Resp: 291541

Ion Ratio Lower Upper

75 100

77 32.3 25.4 38.2



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

8.44

200000

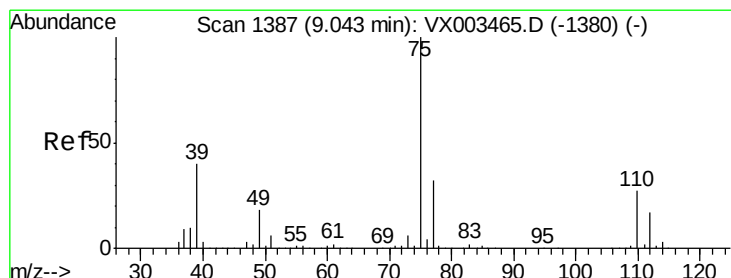
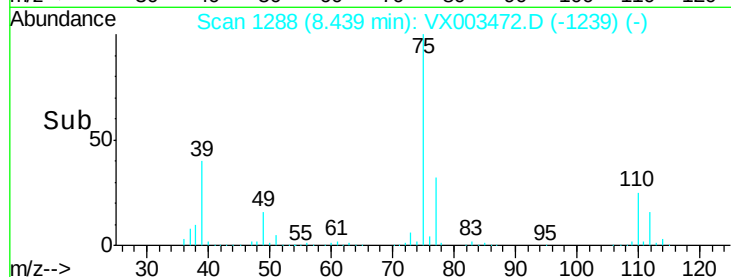
150000

100000

50000

0

Time--> 8.35 8.40 8.45 8.50



#54

cis-1,3-Dichloropropene

Concen: 54.64 ug/l

RT: 9.04 min Scan# 1387

Delta R.T. 0.00 min

Lab File: VX003472.D

Acq: 19 Jul 2018 19:15

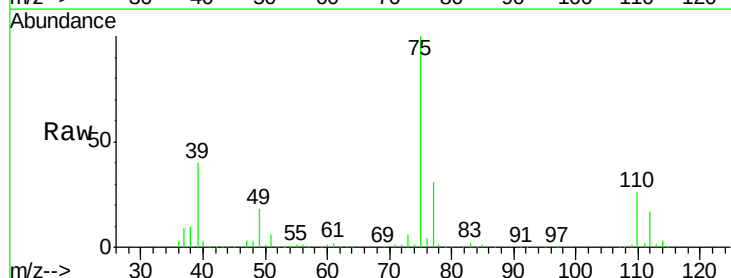
Tgt Ion: 75 Resp: 264345

Ion Ratio Lower Upper

75 100

77 31.2 24.8 37.2

39 40.2 42.4 63.6#



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

9.04

250000

200000

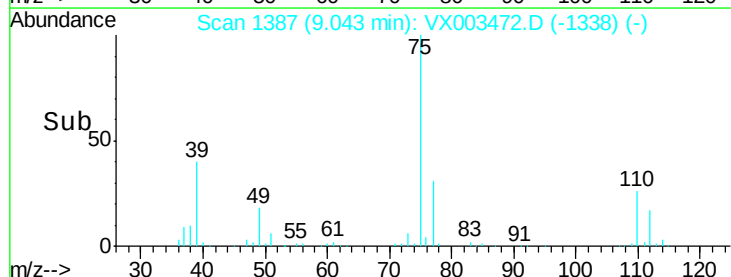
150000

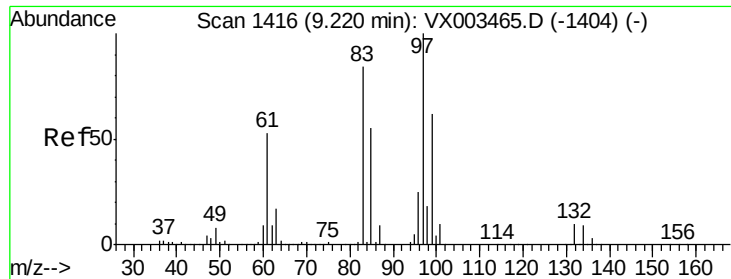
100000

50000

0

Time--> 9.00 9.10

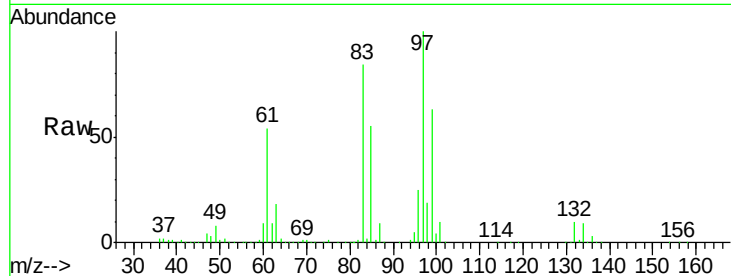




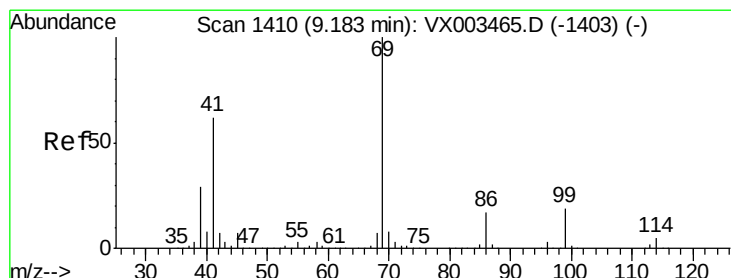
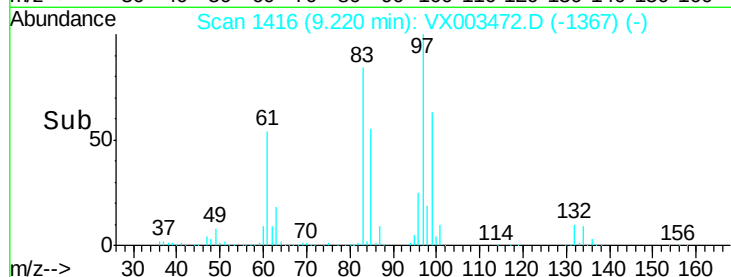
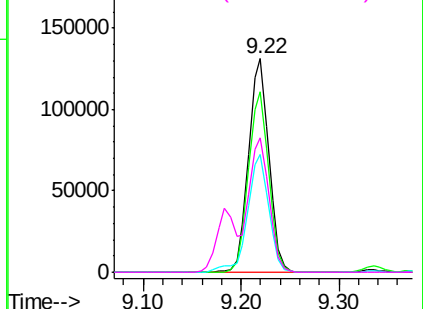
#55
1,1,2-Trichloroethane
Concen: 51.84 ug/l
RT: 9.22 min Scan# 1416
Delta R.T. 0.00 min
Lab File: VX003472.D
Acq: 19 Jul 2018 19:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 97 Resp: 189644
Ion Ratio Lower Upper
97 100
83 84.3 70.2 105.2
85 55.1 44.9 67.3
99 63.1 49.8 74.8

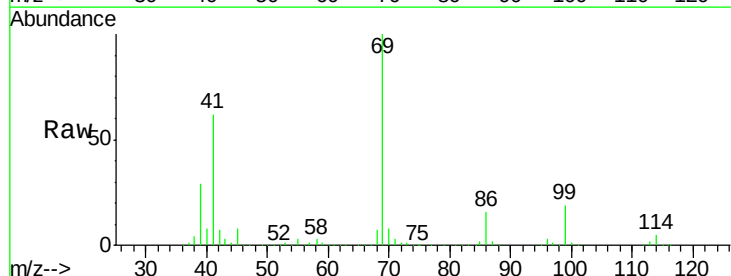


Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 98.90 (98.60 to 99.60): VX0

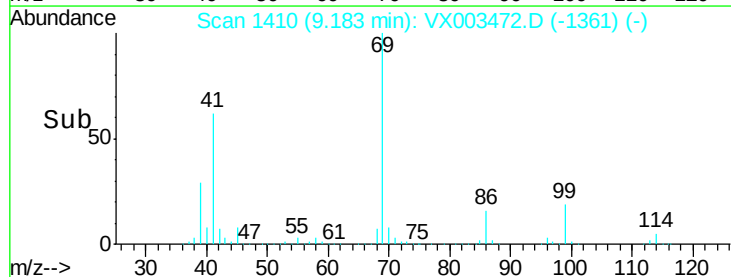
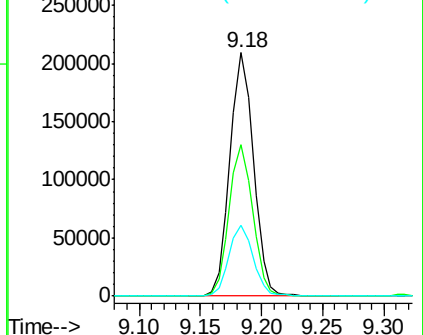


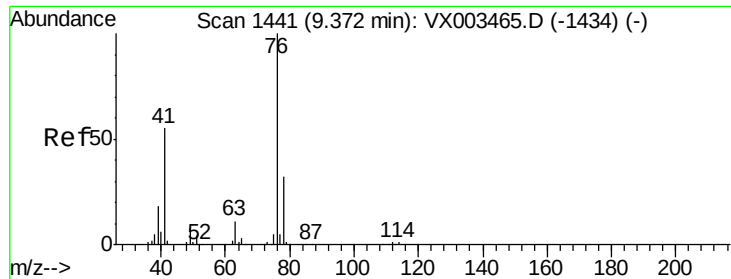
#56
Ethyl methacrylate
Concen: 54.44 ug/l
RT: 9.18 min Scan# 1410
Delta R.T. 0.00 min
Lab File: VX003472.D
Acq: 19 Jul 2018 19:15

Tgt Ion: 69 Resp: 280524
Ion Ratio Lower Upper
69 100
41 62.5 60.3 90.5
39 29.9 35.8 53.8#



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

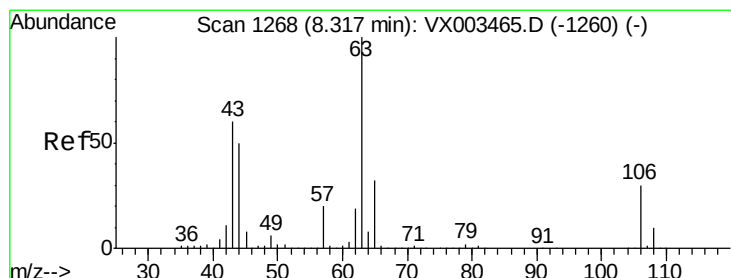
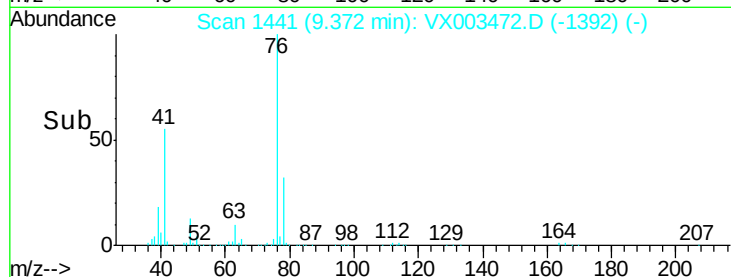
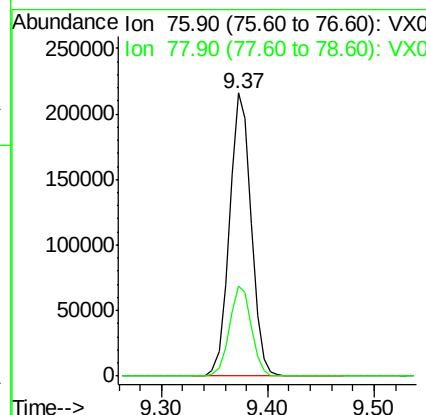
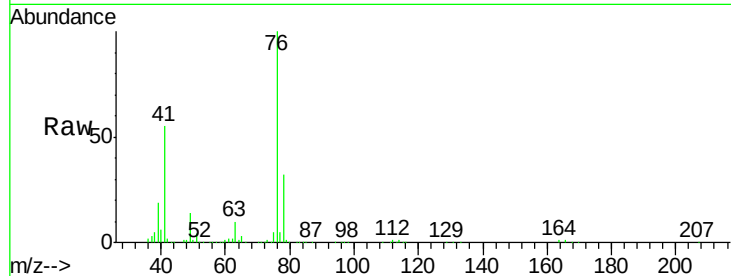




#57
 1,3-Dichloropropane
 Concen: 52.05 ug/l
 RT: 9.37 min Scan# 1441
 Delta R.T. 0.00 min
 Lab File: VX003472.D
 Acq: 19 Jul 2018 19:15

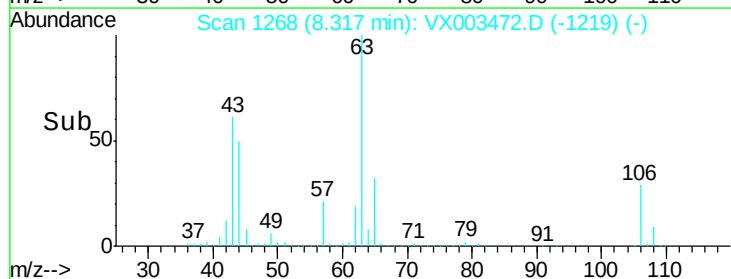
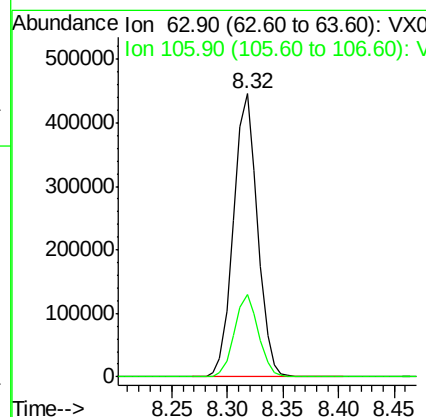
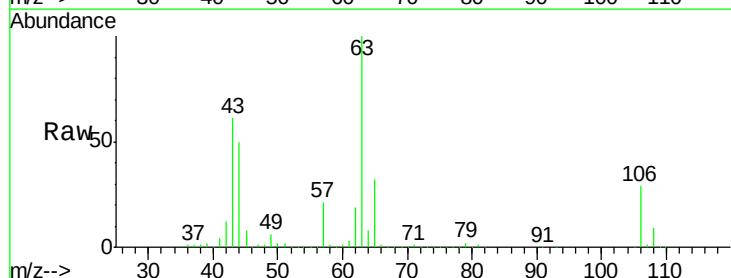
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

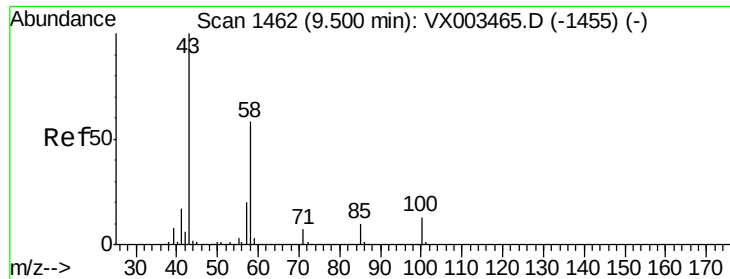
Tot Ion: 76 Resp: 307810
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 266.06 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VX003472.D
 Acq: 19 Jul 2018 19:15

Tgt Ion: 63 Resp: 666605
 Ion Ratio Lower Upper
 63 100
 106 29.1 21.8 32.8

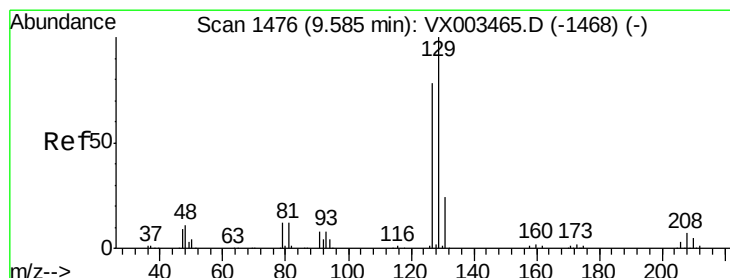
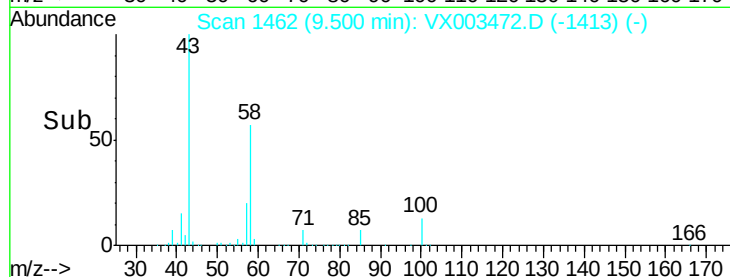
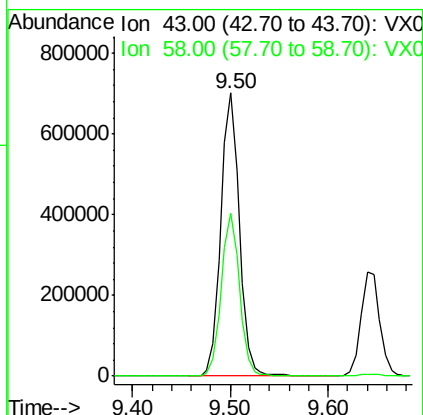
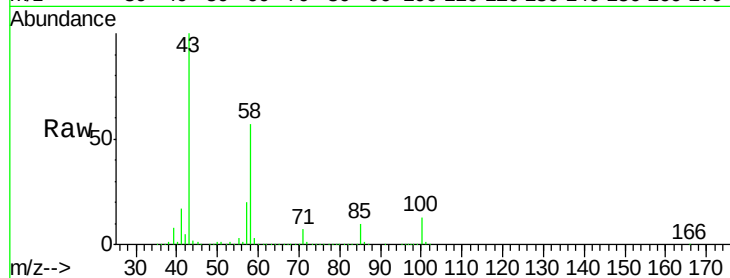




#59
2-Hexanone
Concen: 271.51 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX003472.D
Acq: 19 Jul 2018 19:15

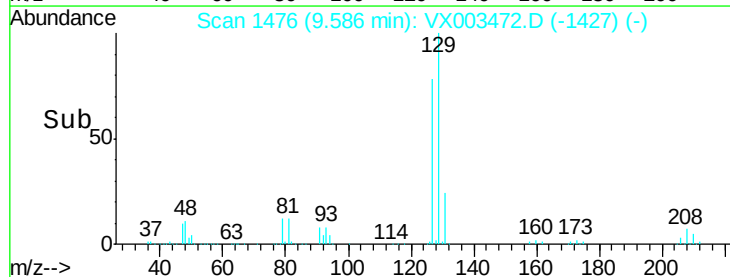
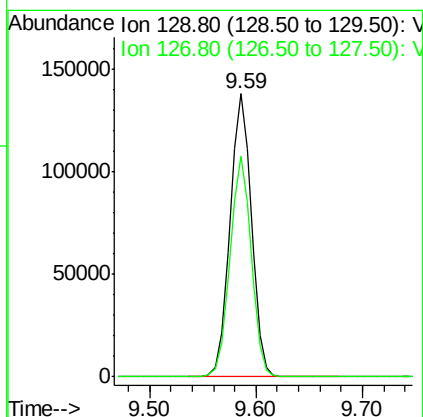
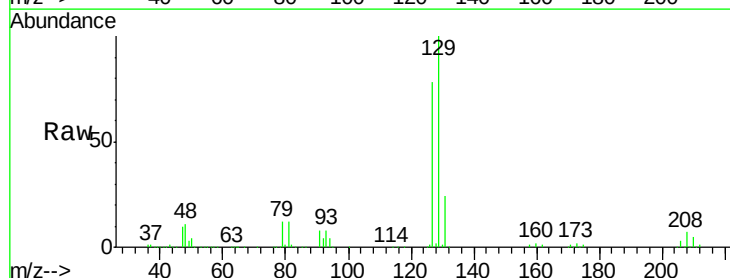
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

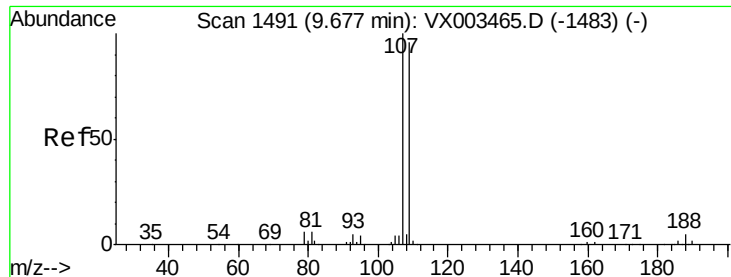
Tot Ion: 43 Resp: 925398
Ion Ratio Lower Upper
43 100
58 56.9 24.6 73.6



#60
Dibromochloromethane
Concen: 54.06 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX003472.D
Acq: 19 Jul 2018 19:15

Tgt Ion: 129 Resp: 195757
Ion Ratio Lower Upper
129 100
127 77.0 38.5 115.3





#61

1,2-Dibromoethane

Concen: 52.15 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX003472.D

Acq: 19 Jul 2018 19:15

Instrument :

MSVOA_X

ClientSampleId :

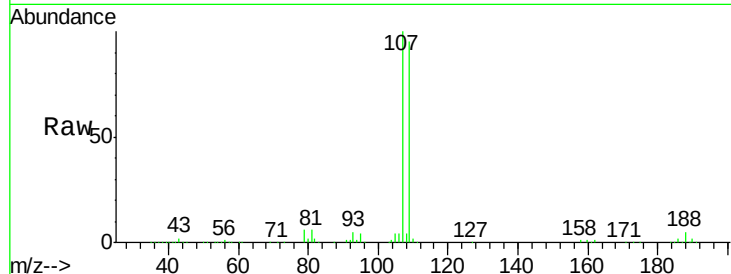
VSTDCCC050

Tot Ion:107 Resp: 197779

Ion Ratio Lower Upper

107 100

109 94.7 75.3 112.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

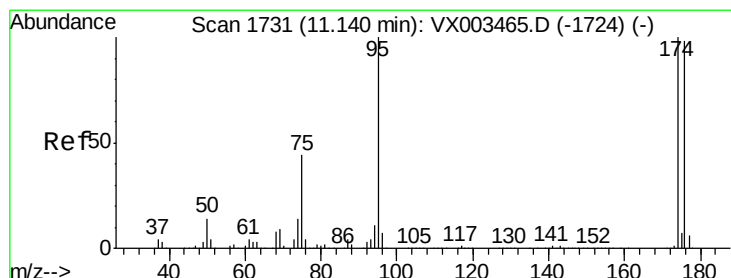
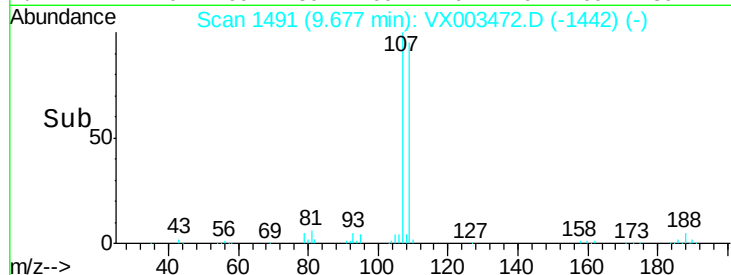
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 53.82 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003472.D

Acq: 19 Jul 2018 19:15

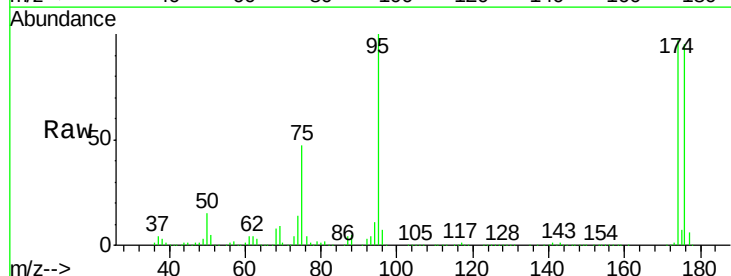
Tgt Ion: 95 Resp: 251949

Ion Ratio Lower Upper

95 100

174 96.4 0.0 187.4

176 94.4 0.0 181.0



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

250000

200000

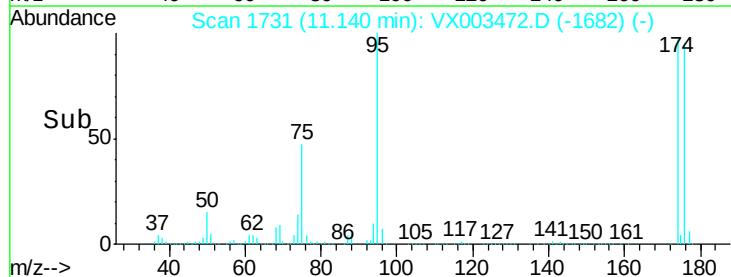
150000

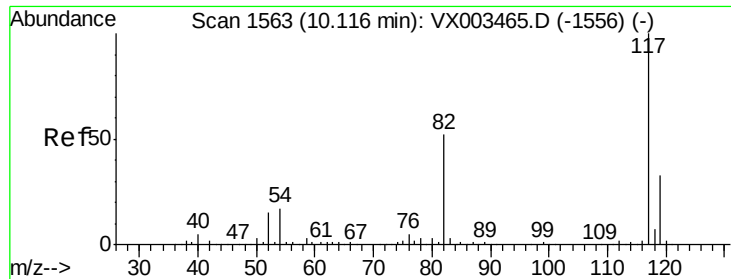
100000

50000

0

Time-->

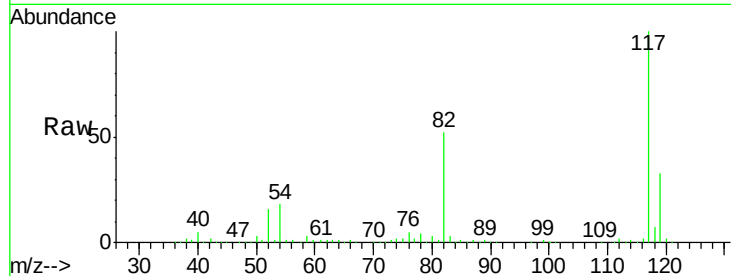




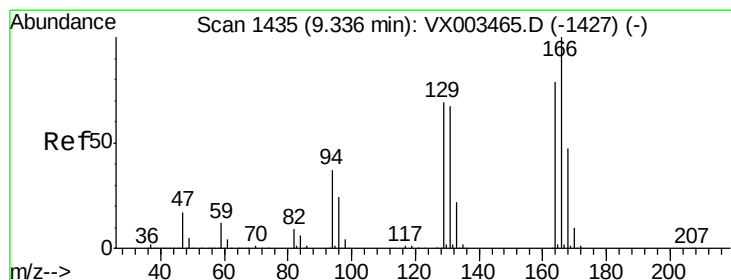
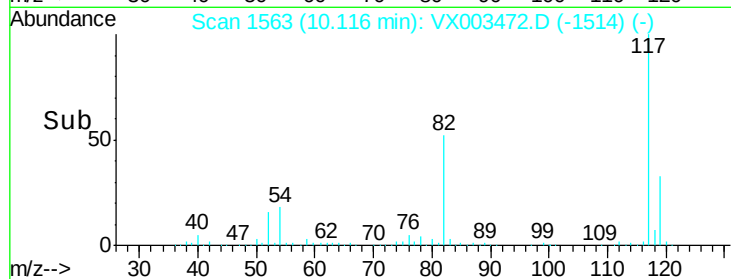
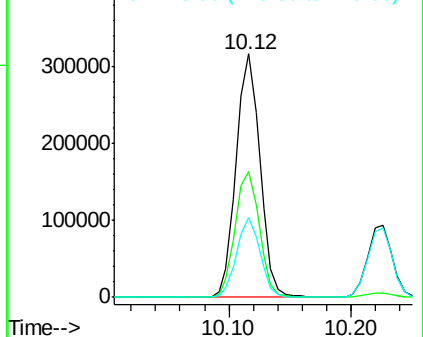
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003472.D
Acq: 19 Jul 2018 19:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 425333
Ion Ratio Lower Upper
117 100
82 51.7 45.0 67.4
119 32.6 25.8 38.6

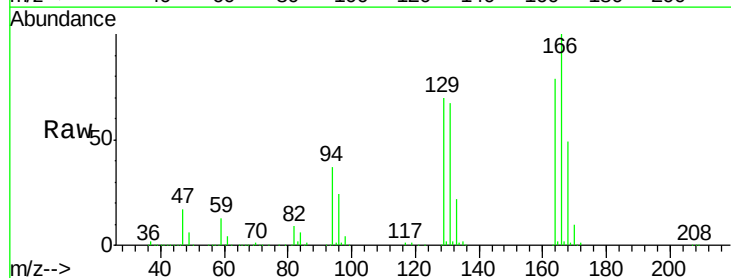


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

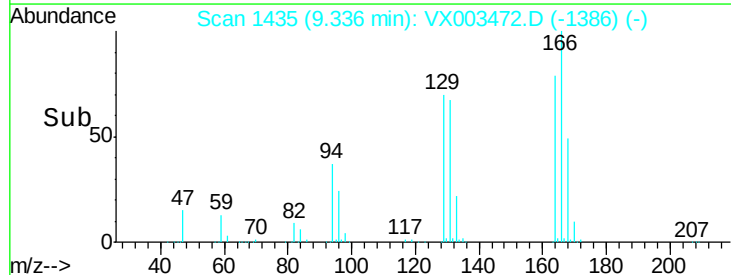
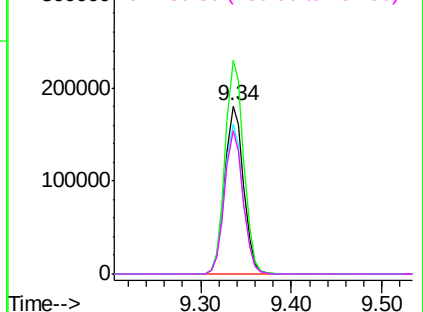


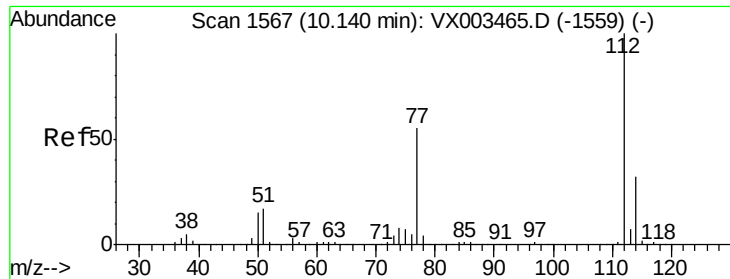
#64
Tetrachloroethene
Concen: 49.95 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. 0.00 min
Lab File: VX003472.D
Acq: 19 Jul 2018 19:15

Tgt Ion:164 Resp: 258842
Ion Ratio Lower Upper
164 100
166 127.1 102.9 154.3
129 88.9 68.6 102.8
131 85.1 66.8 100.2



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

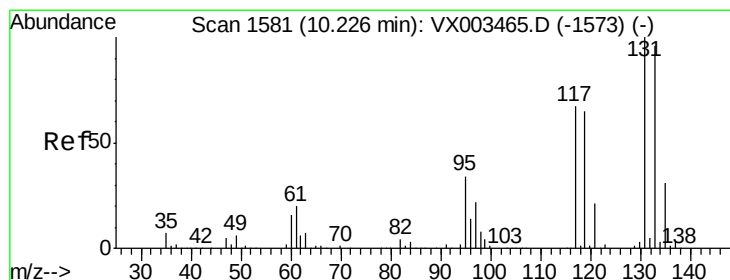
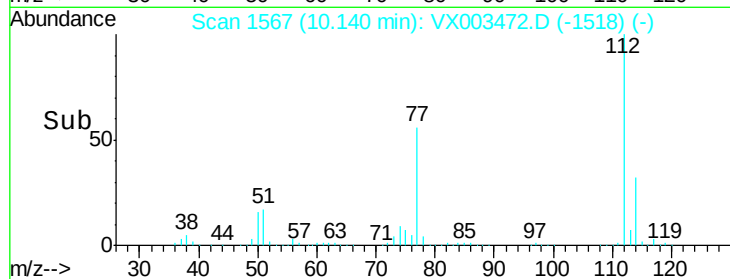
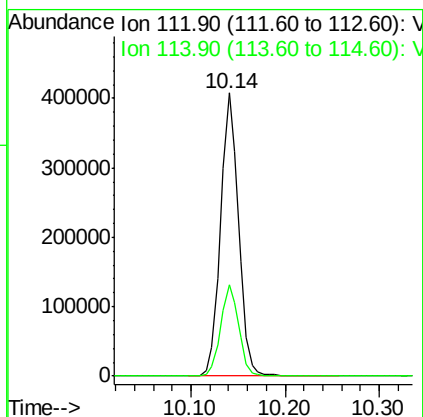
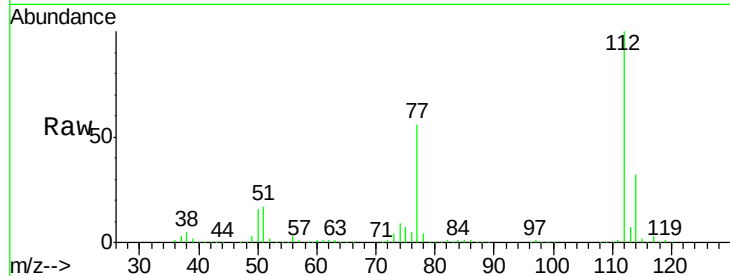




#65
Chlorobenzene
Concen: 49.30 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX003472.D
Acq: 19 Jul 2018 19:15

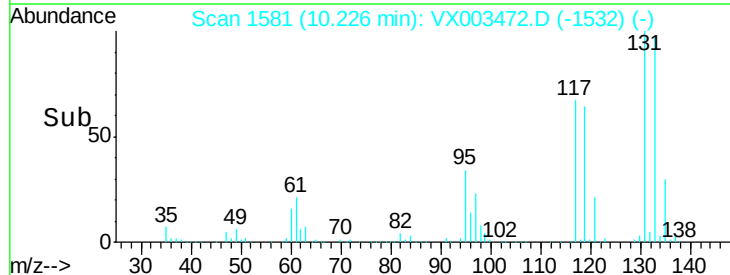
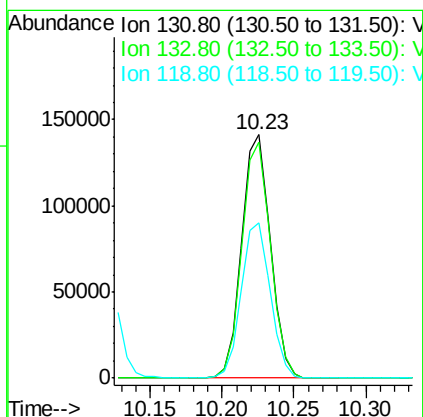
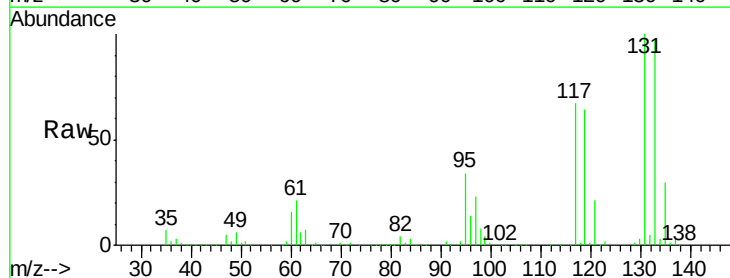
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

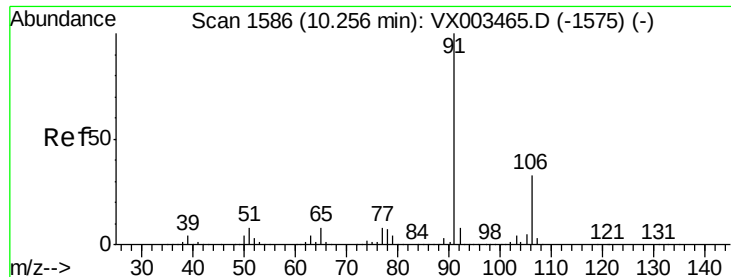
Tot Ion:112 Resp: 540282
Ion Ratio Lower Upper
112 100
114 32.5 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 51.64 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX003472.D
Acq: 19 Jul 2018 19:15

Tgt Ion:131 Resp: 194692
Ion Ratio Lower Upper
131 100
133 96.6 47.9 143.6
119 64.6 31.8 95.3

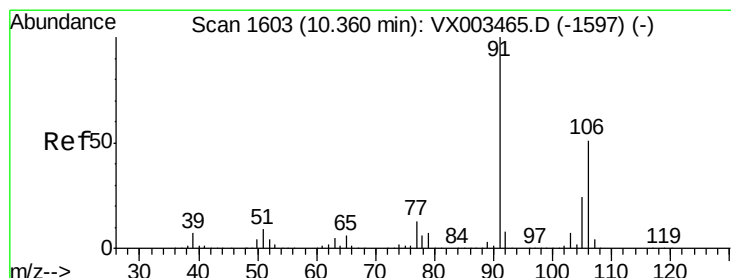
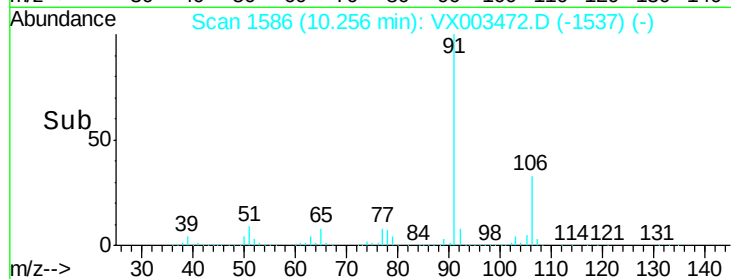
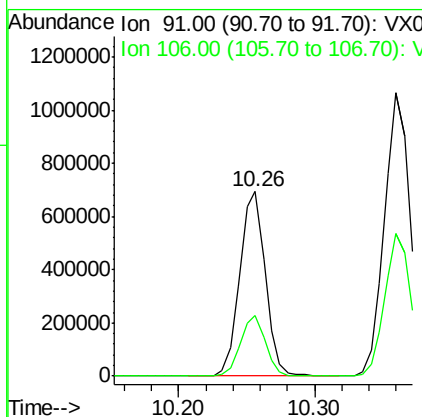
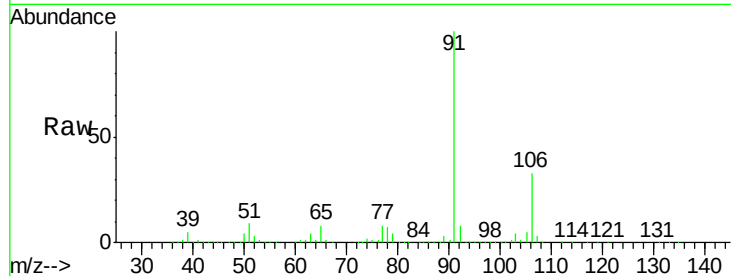




#67
Ethyl Benzene
Concen: 51.61 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX003472.D
Acq: 19 Jul 2018 19:15

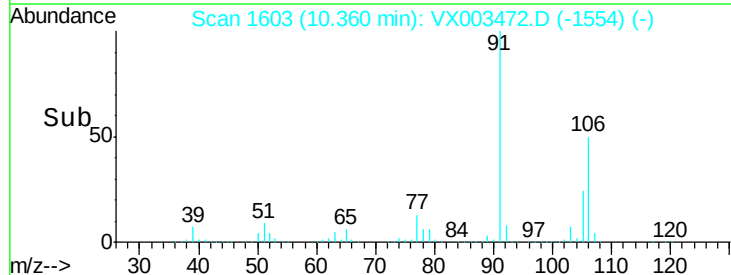
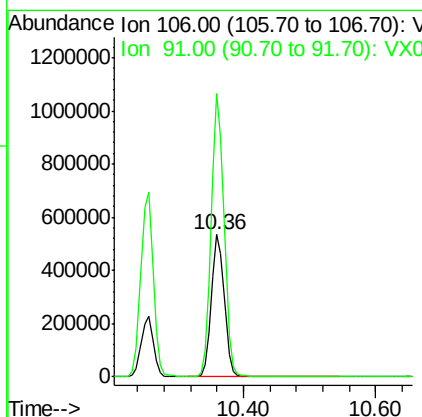
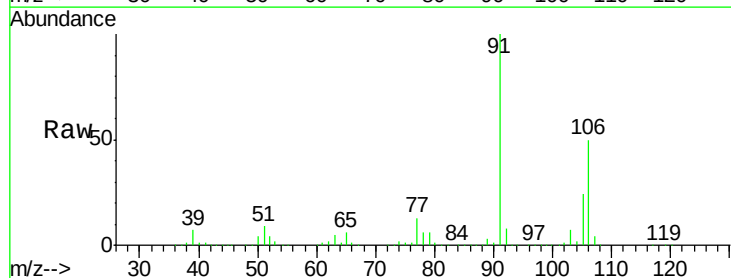
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

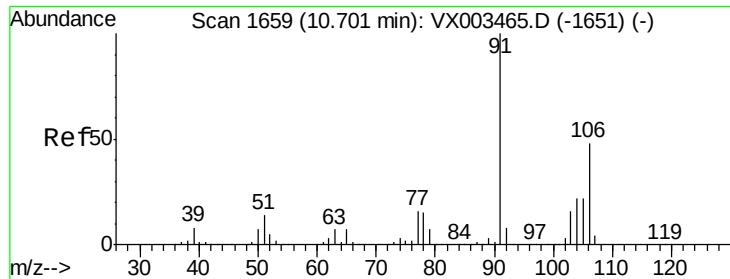
Tot Ion: 91 Resp: 909431
Ion Ratio Lower Upper
91 100
106 32.6 25.5 38.3



#68
m/p-Xylenes
Concen: 104.09 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX003472.D
Acq: 19 Jul 2018 19:15

Tgt Ion: 106 Resp: 719067
Ion Ratio Lower Upper
106 100
91 198.3 163.4 245.2

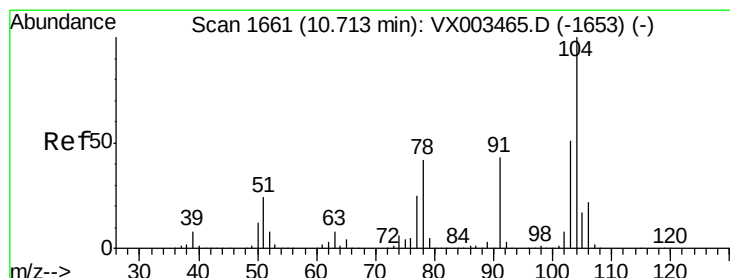
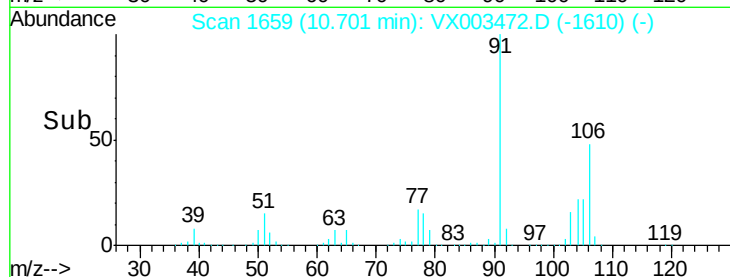
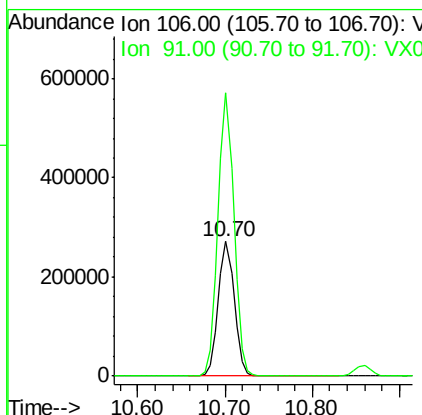
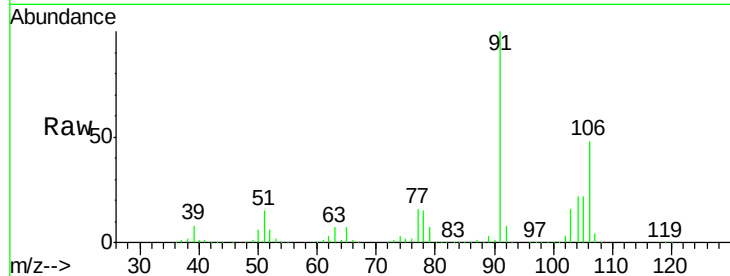




#69
o-Xylene
Concen: 51.59 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003472.D
Acq: 19 Jul 2018 19:15

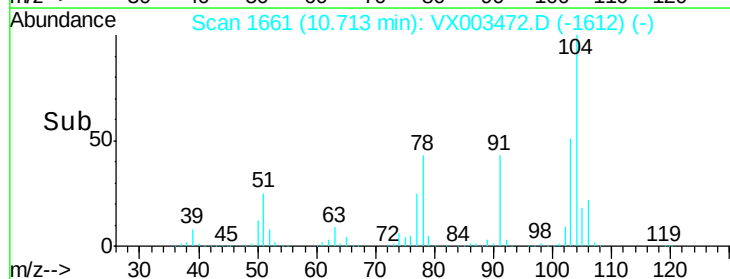
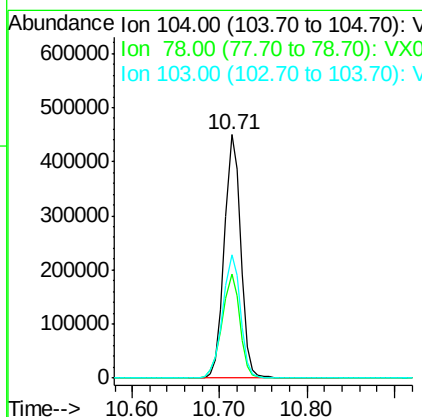
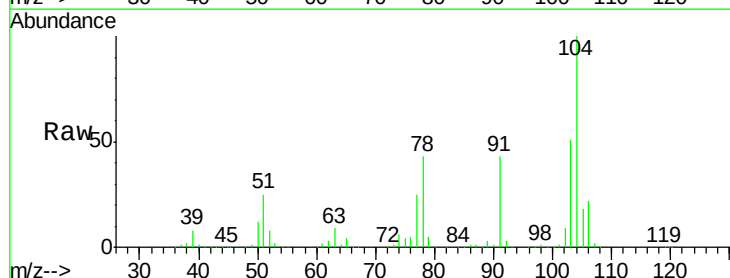
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

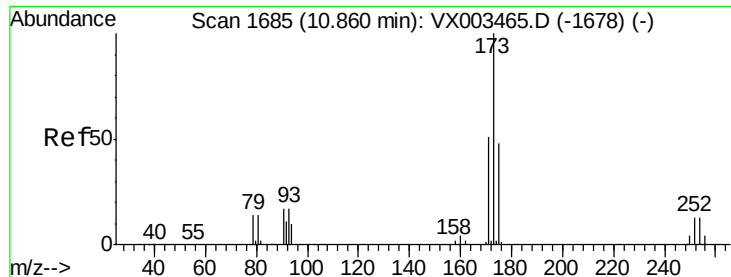
Tot Ion:106 Resp: 344616
Ion Ratio Lower Upper
106 100
91 208.9 108.2 324.6



#70
Styrene
Concen: 52.98 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003472.D
Acq: 19 Jul 2018 19:15

Tgt Ion:104 Resp: 582094
Ion Ratio Lower Upper
104 100
78 46.6 41.0 61.6
103 55.2 44.2 66.4





#71

Bromoform

Concen: 52.91 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX003472.D

Acq: 19 Jul 2018 19:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

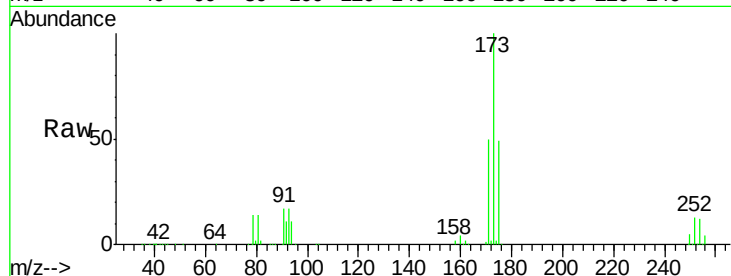
Tot Ion:173 Resp: 154995

Ion Ratio Lower Upper

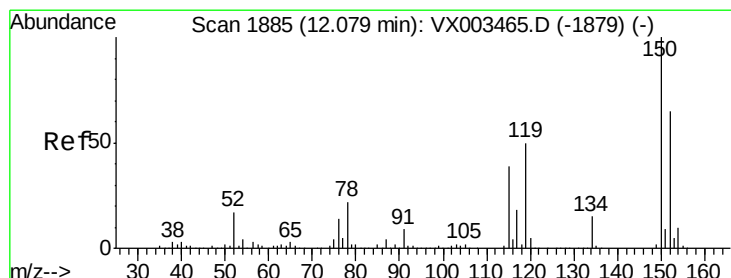
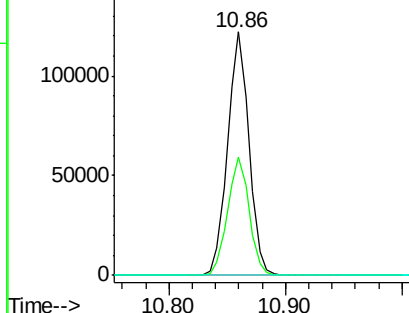
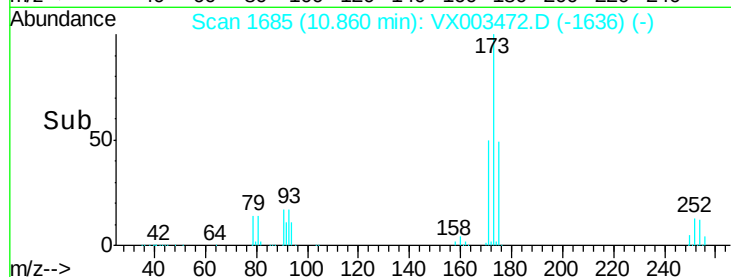
173 100

175 49.1 24.7 74.1

254 0.2 0.2 0.2



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX003472.D

Acq: 19 Jul 2018 19:15

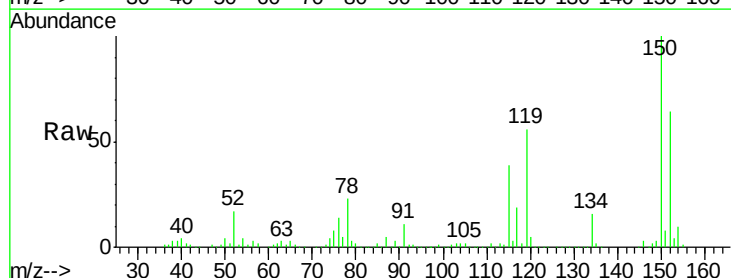
Tgt Ion:152 Resp: 263369

Ion Ratio Lower Upper

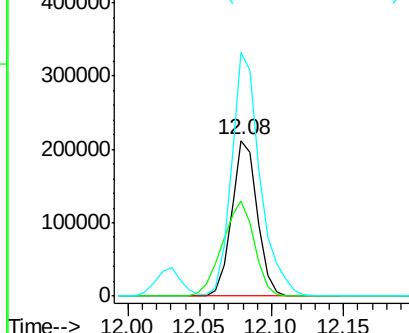
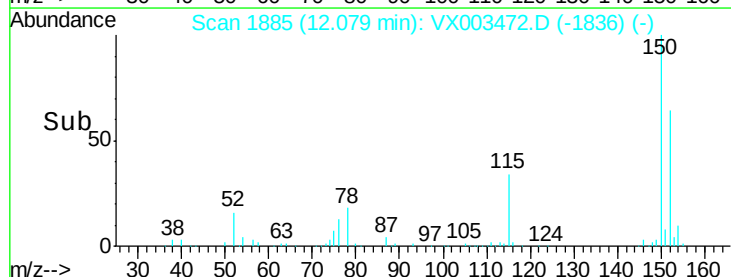
152 100

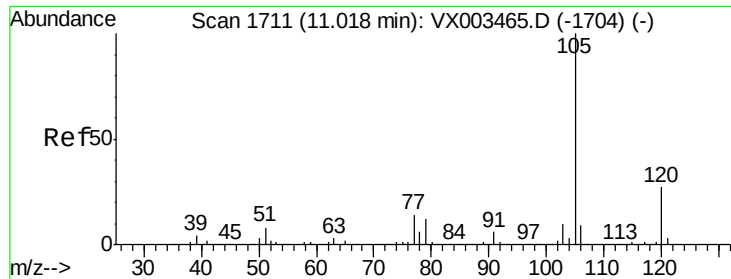
115 76.2 40.1 120.2

150 174.1 0.0 347.2



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: 50.98 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. 0.00 min

Lab File: VX003472.D

Acq: 19 Jul 2018 19:15

Instrument :

MSVOA_X

ClientSampleId :

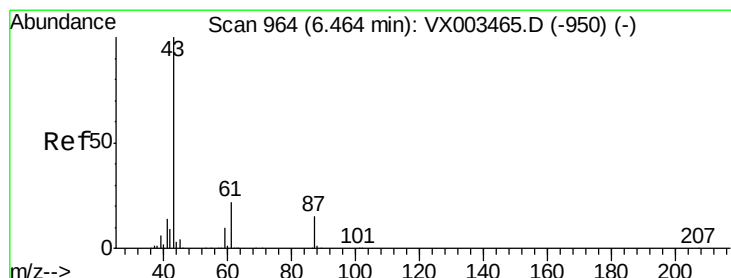
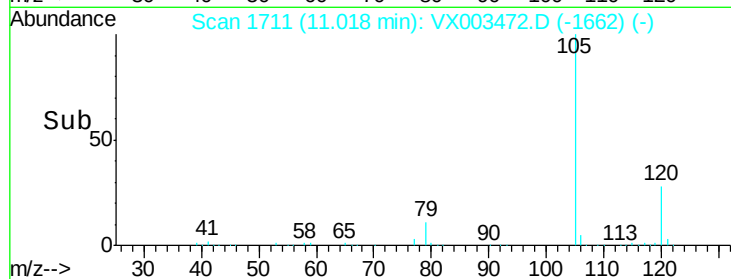
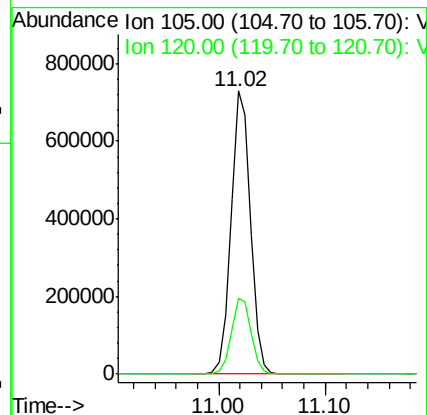
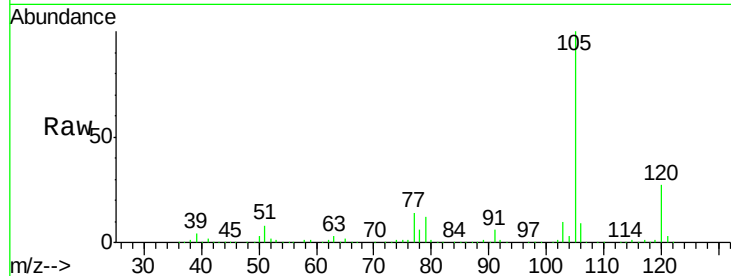
VSTDCCC050

Tot Ion:105 Resp: 928575

Ion Ratio Lower Upper

105 100

120 27.2 13.5 40.4



#74

N-ethyl acetate

Concen: 48.76 ug/l

RT: 6.46 min Scan# 964

Delta R.T. 0.00 min

Lab File: VX003472.D

Acq: 19 Jul 2018 19:15

Tgt Ion: 43 Resp: 377126

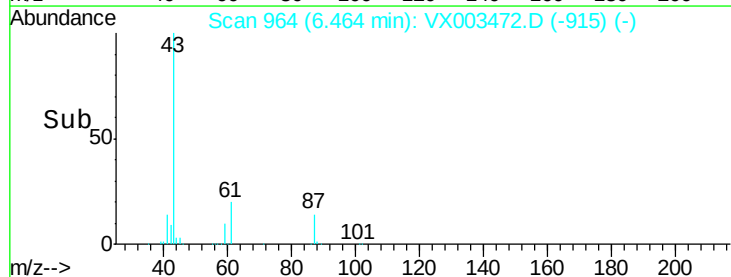
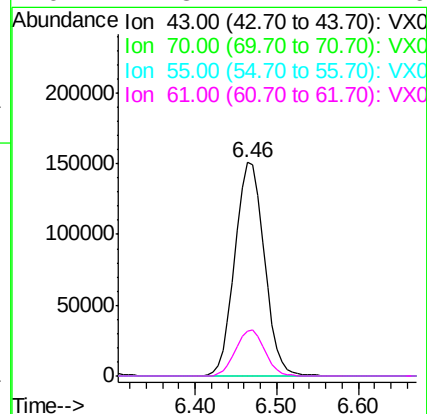
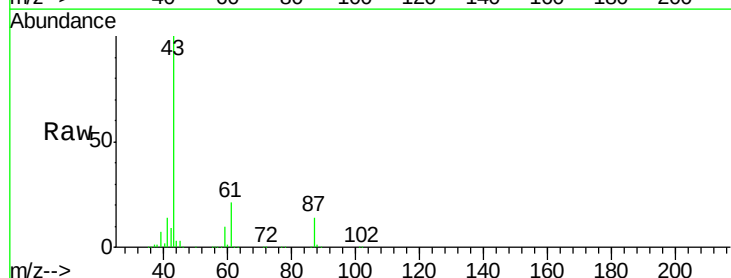
Ion Ratio Lower Upper

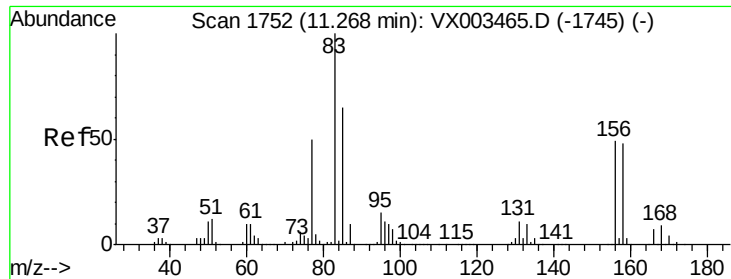
43 100

70 0.0 0.0 0.0

55 0.1 0.0 0.0#

61 21.3 14.4 21.6





#75

1,1,2,2-Tetrachloroethane

Concen: 49.36 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. 0.00 min

Lab File: VX003472.D

Acq: 19 Jul 2018 19:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

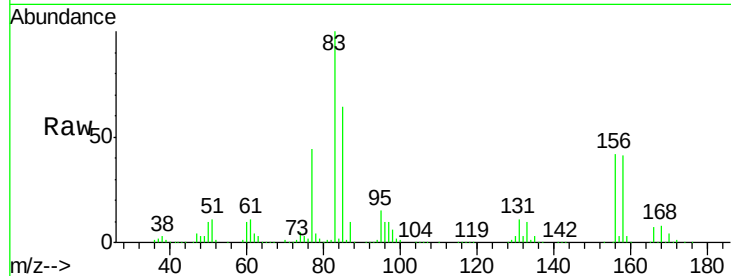
Tot Ion: 83 Resp: 263461

Ion Ratio Lower Upper

83 100

131 11.0 5.6 16.8

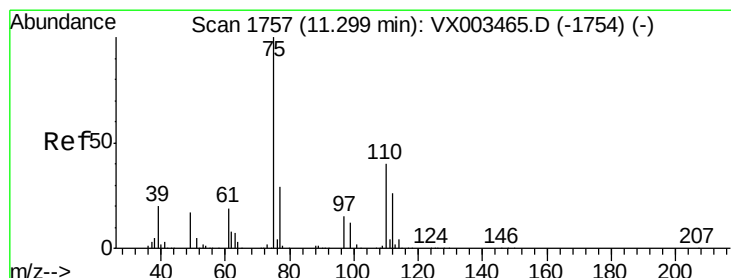
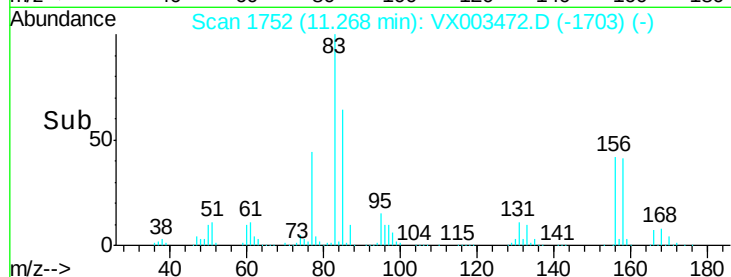
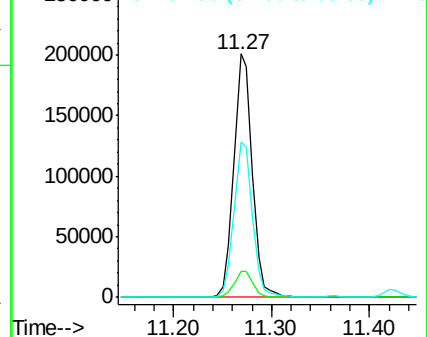
85 64.5 32.4 97.2



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: 66.73 ug/l

RT: 11.30 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VX003472.D

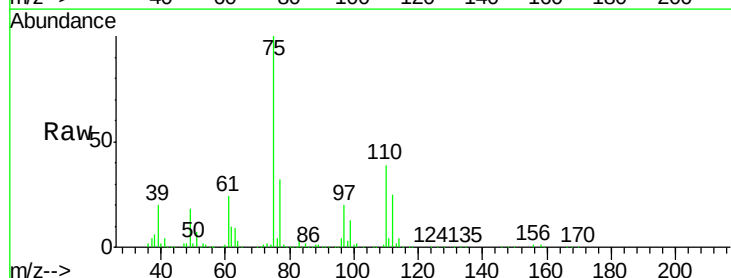
Acq: 19 Jul 2018 19:15

Tgt Ion: 75 Resp: 315704

Ion Ratio Lower Upper

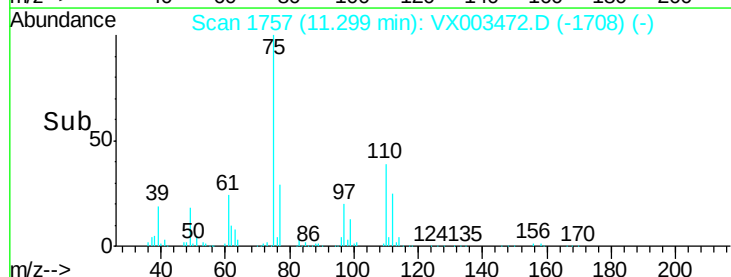
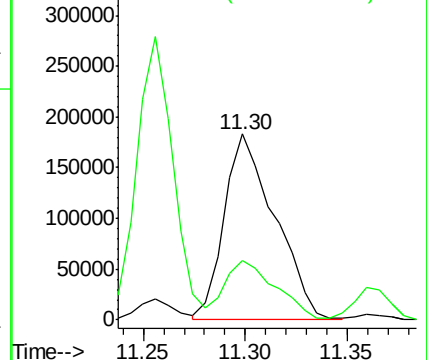
75 100

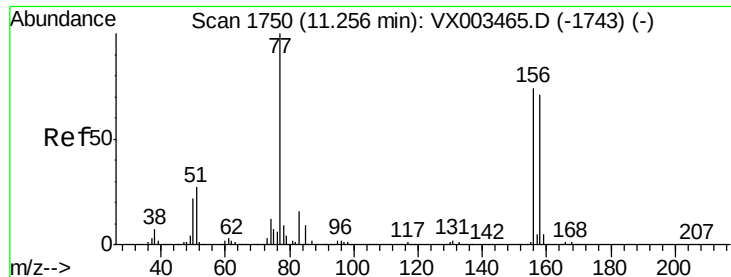
77 32.2 22.8 68.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 48.38 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX003472.D

Acq: 19 Jul 2018 19:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

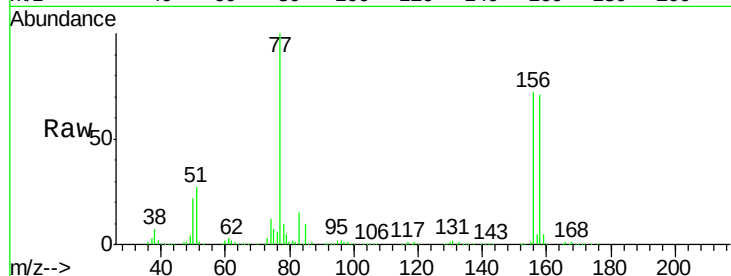
Tot Ion:156 Resp: 253435

Ion Ratio Lower Upper

156 100

77 136.3 71.4 214.2

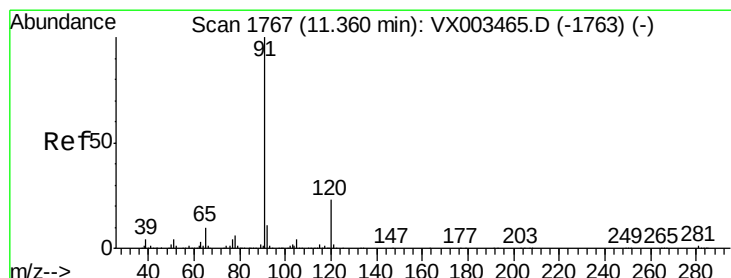
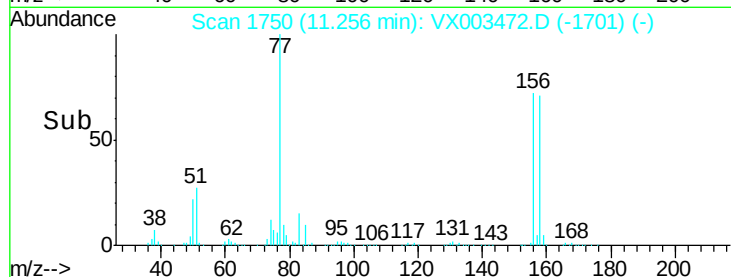
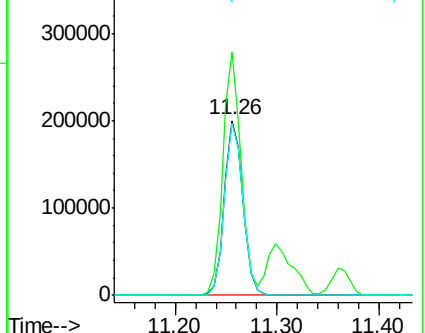
158 98.5 48.9 146.6



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: 51.70 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. 0.00 min

Lab File: VX003472.D

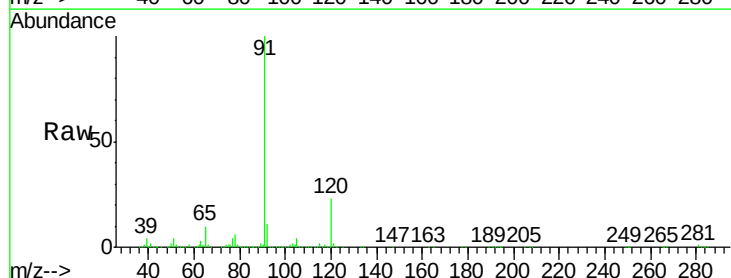
Acq: 19 Jul 2018 19:15

Tgt Ion: 91 Resp: 1046699

Ion Ratio Lower Upper

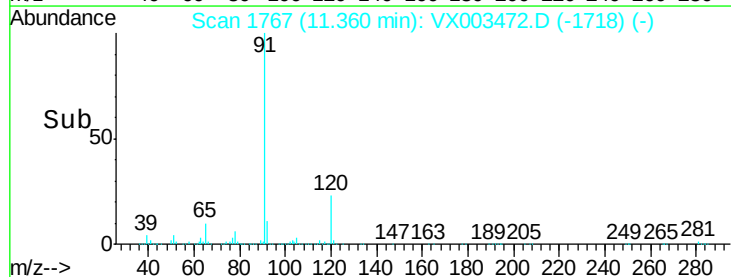
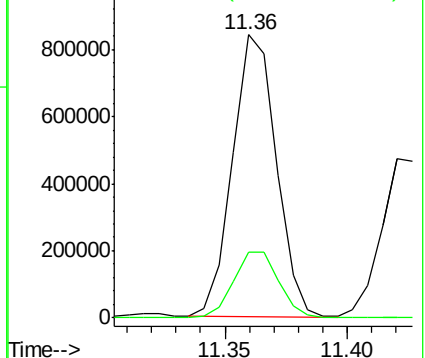
91 100

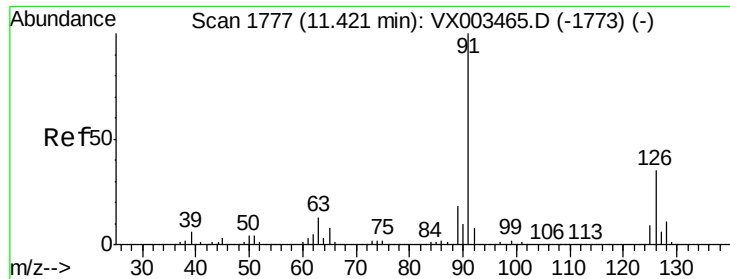
120 24.4 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

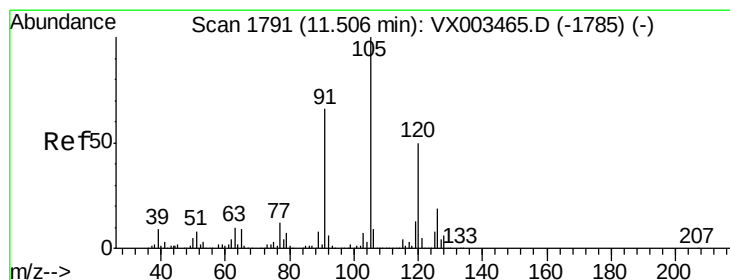
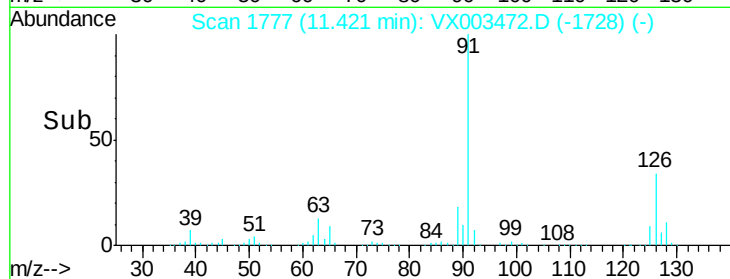
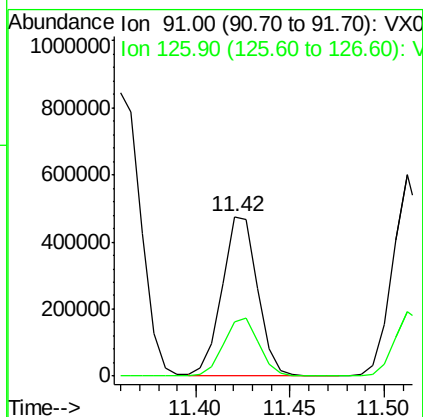
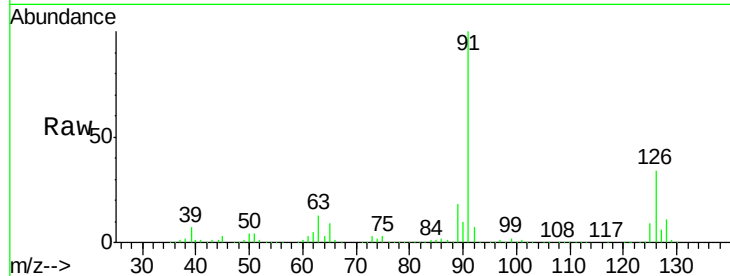




#79
 2-Chlorotoluene
 Concen: 50.14 ug/l
 RT: 11.42 min Scan# 1777
 Delta R.T. 0.00 min
 Lab File: VX003472.D
 Acq: 19 Jul 2018 19:15

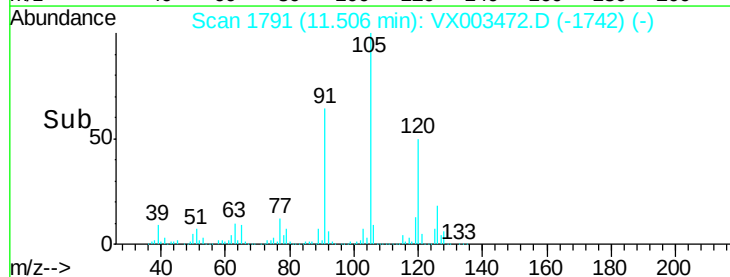
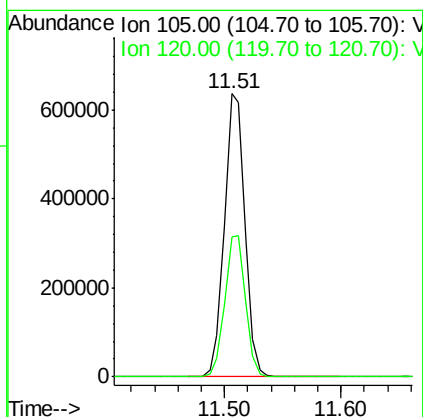
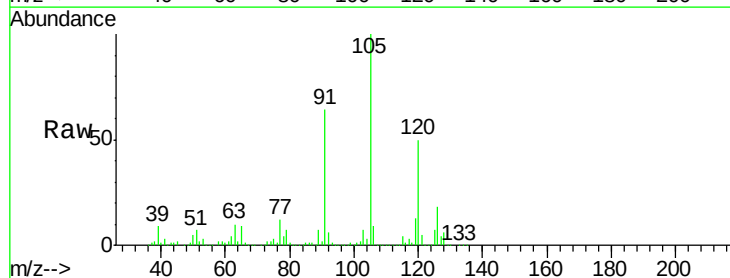
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

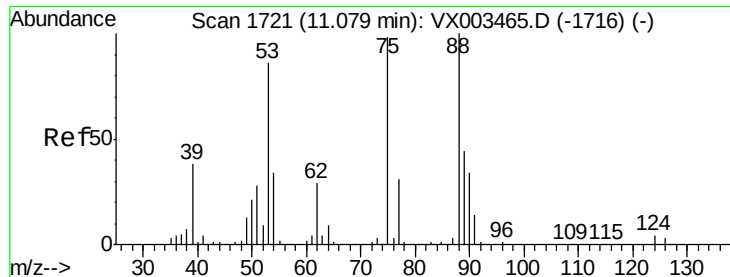
Tot Ion: 91 Resp: 616347
 Ion Ratio Lower Upper
 91 100
 126 36.3 17.7 53.1



#80
 1,3,5-Trimethylbenzene
 Concen: 51.47 ug/l
 RT: 11.51 min Scan# 1791
 Delta R.T. 0.00 min
 Lab File: VX003472.D
 Acq: 19 Jul 2018 19:15

Tgt Ion: 105 Resp: 770542
 Ion Ratio Lower Upper
 105 100
 120 50.3 24.4 73.4

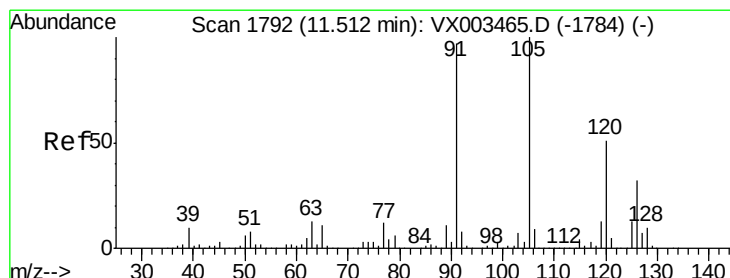
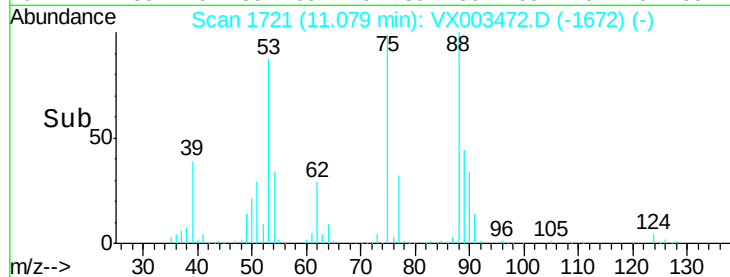
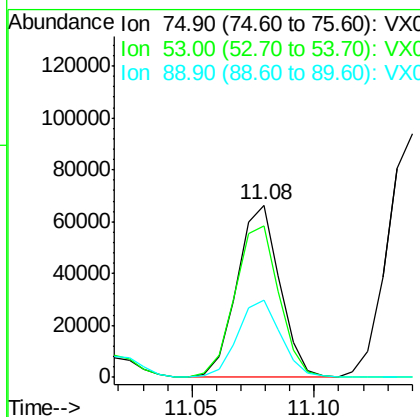
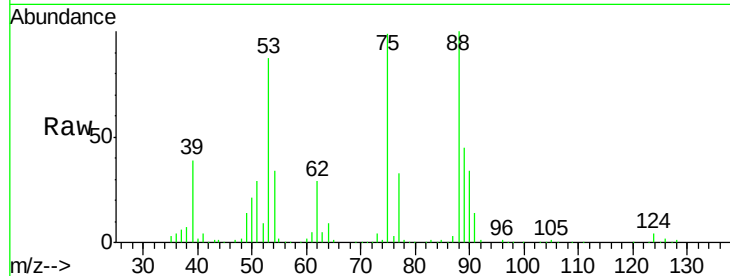




#81
trans-1,4-Dichloro-2-butene
Concen: 48.38 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX003472.D
Acq: 19 Jul 2018 19:15

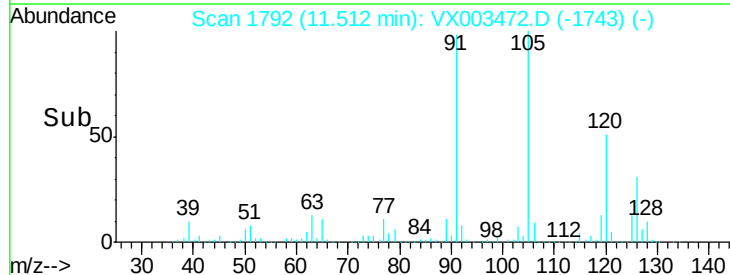
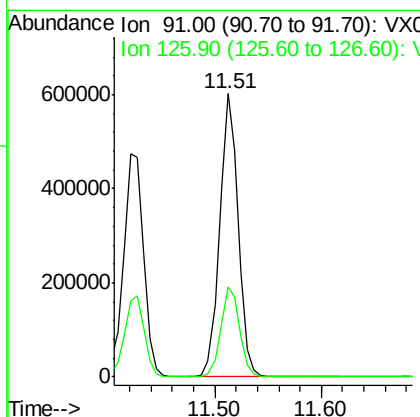
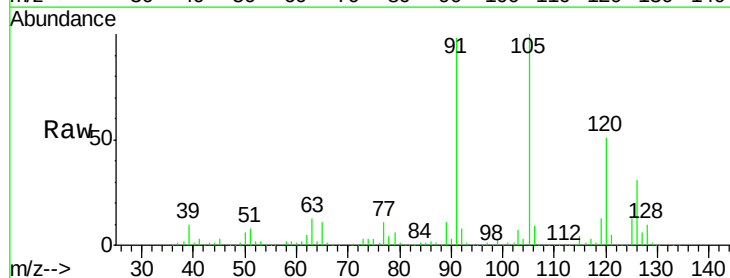
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

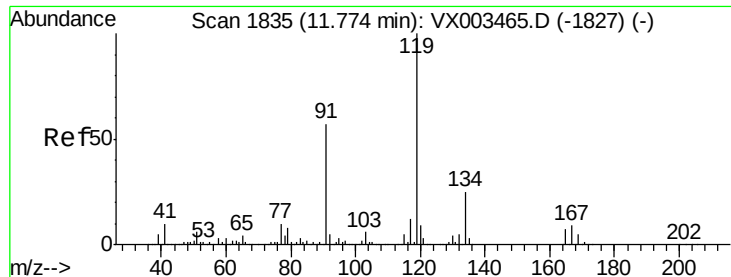
Tot Ion: 75 Resp: 80461
Ion Ratio Lower Upper
75 100
53 90.9 86.8 130.2
89 46.4 38.2 57.2



#82
4-Chlorotoluene
Concen: 50.41 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX003472.D
Acq: 19 Jul 2018 19:15

Tgt Ion: 91 Resp: 725997
Ion Ratio Lower Upper
91 100
126 32.3 15.4 46.4

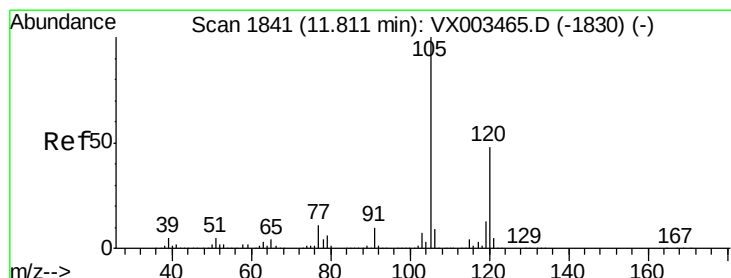
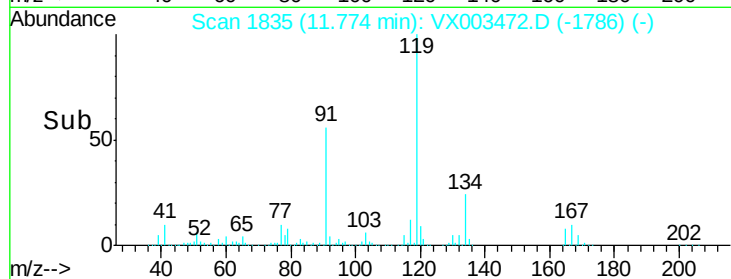
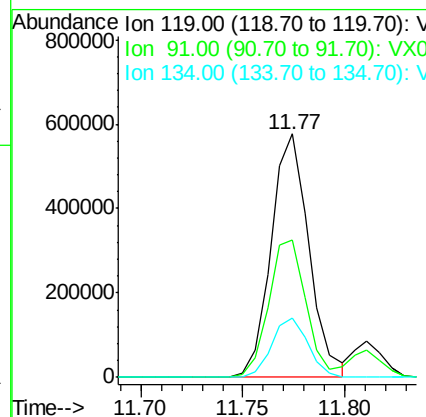
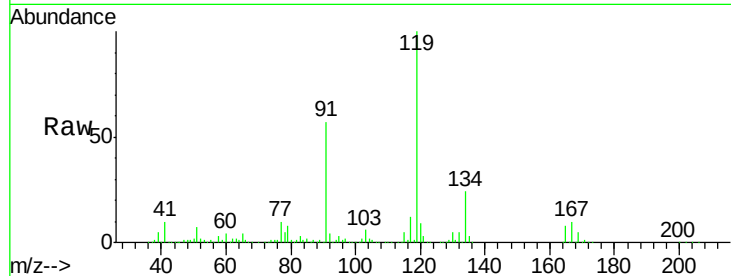




#83
 tert-Butylbenzene
 Concen: 50.89 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX003472.D
 Acq: 19 Jul 2018 19:15

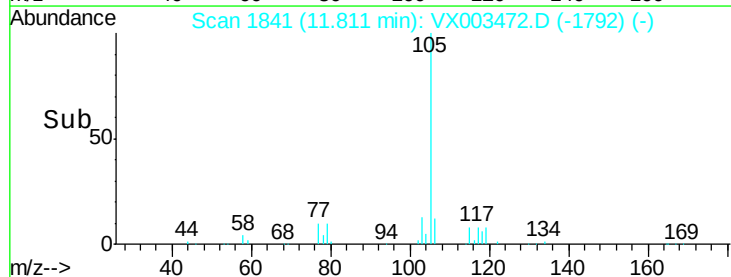
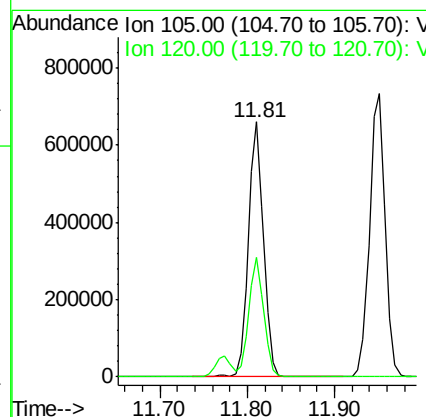
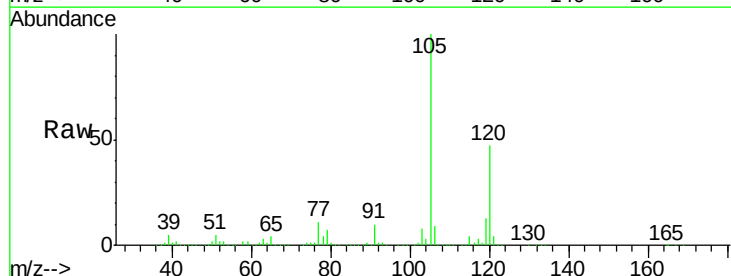
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

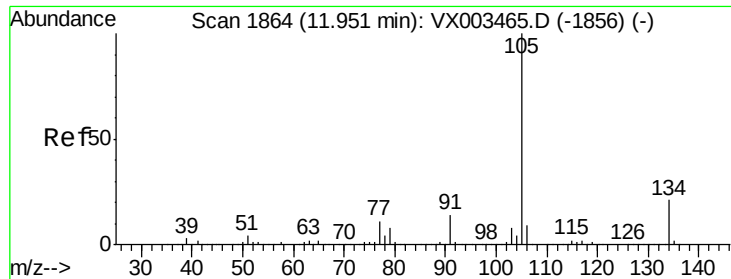
Tot Ion:119 Resp: 745979
 Ion Ratio Lower Upper
 119 100
 91 55.4 30.3 90.9
 134 23.6 11.7 35.1



#84
 1,2,4-Trimethylbenzene
 Concen: 51.86 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX003472.D
 Acq: 19 Jul 2018 19:15

Tgt Ion:105 Resp: 789919
 Ion Ratio Lower Upper
 105 100
 120 46.4 22.3 66.8





#85

sec-Butylbenzene

Concen: 51.40 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX003472.D

Acq: 19 Jul 2018 19:15

Instrument :

MSVOA_X

ClientSampleId :

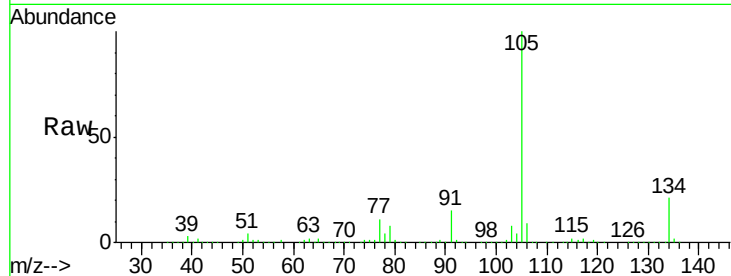
VSTDCCC050

Tot Ion:105 Resp: 915209

Ion Ratio Lower Upper

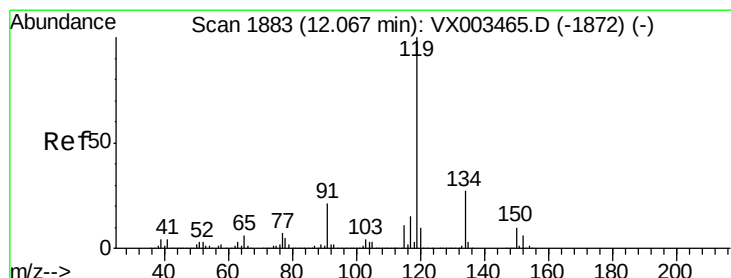
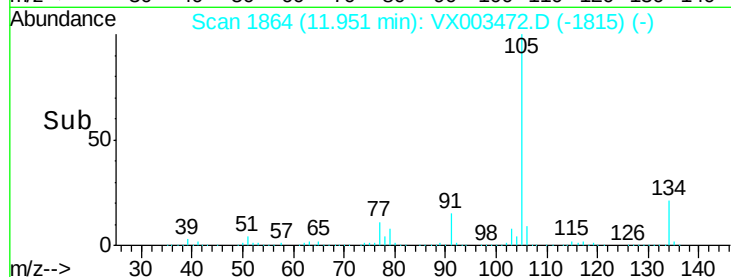
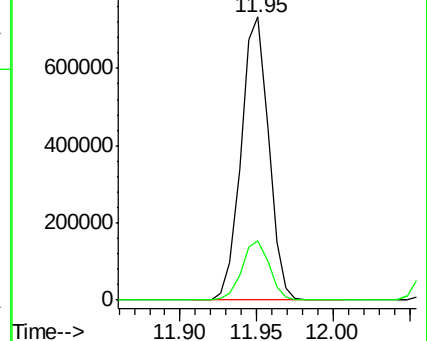
105 100

134 20.9 10.4 31.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 52.08 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX003472.D

Acq: 19 Jul 2018 19:15

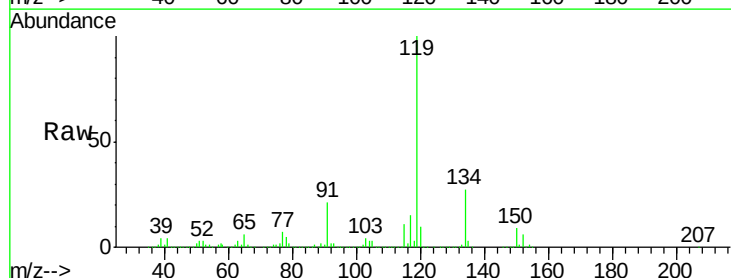
Tgt Ion:119 Resp: 832263

Ion Ratio Lower Upper

119 100

134 27.0 13.4 40.1

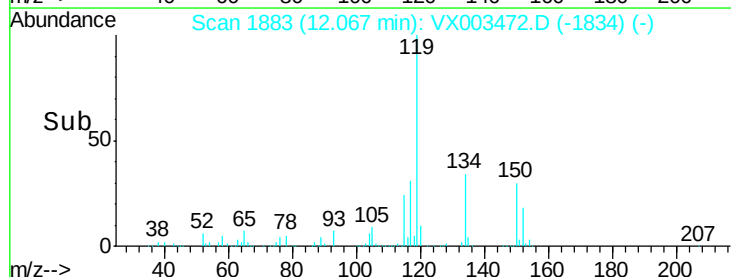
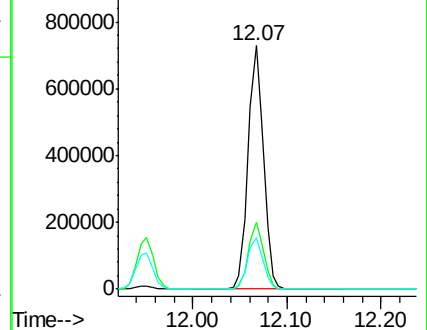
91 21.6 11.9 35.7

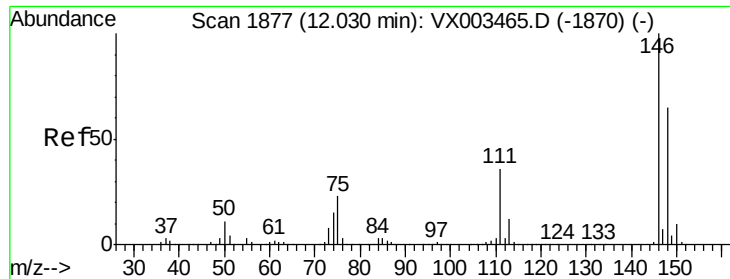


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

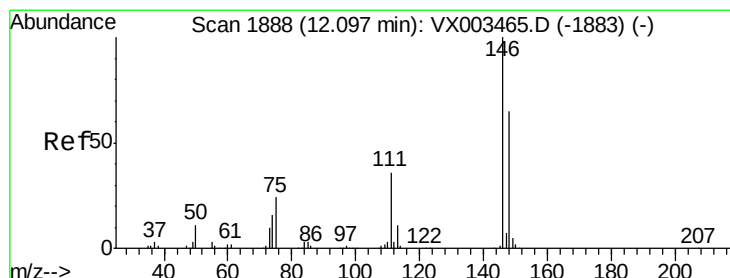
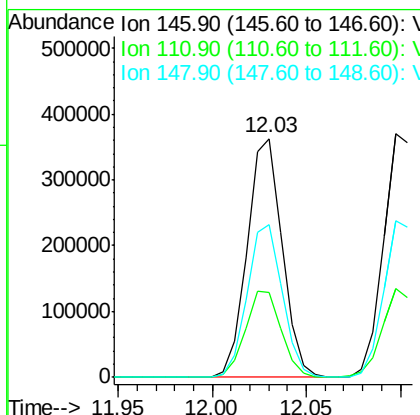
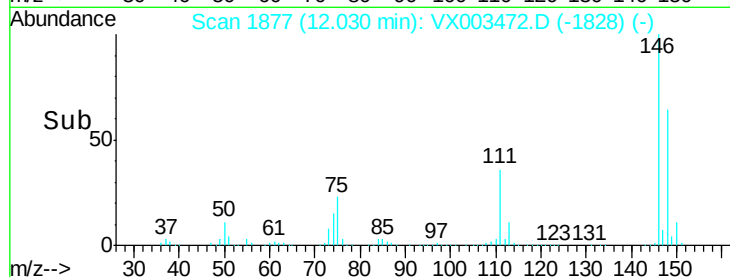
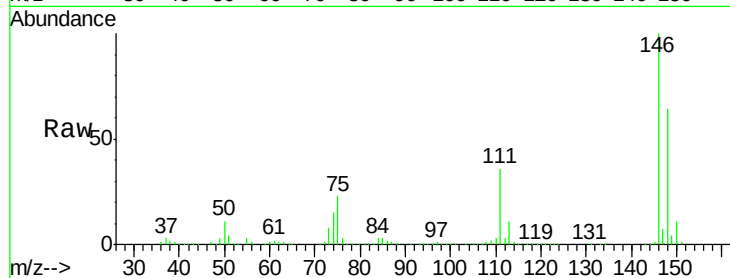




#87
 1,3-Dichlorobenzene
 Concen: 48.45 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX003472.D
 Acq: 19 Jul 2018 19:15

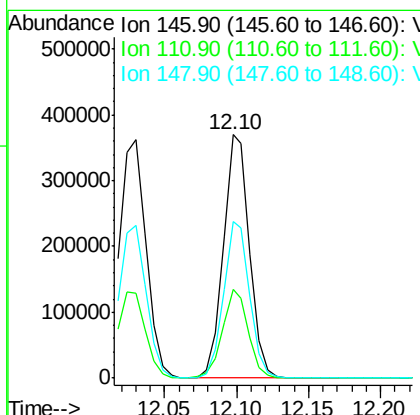
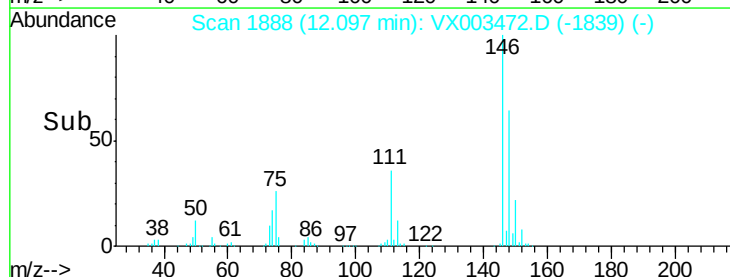
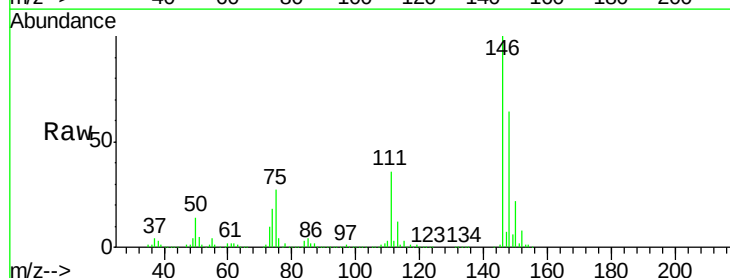
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

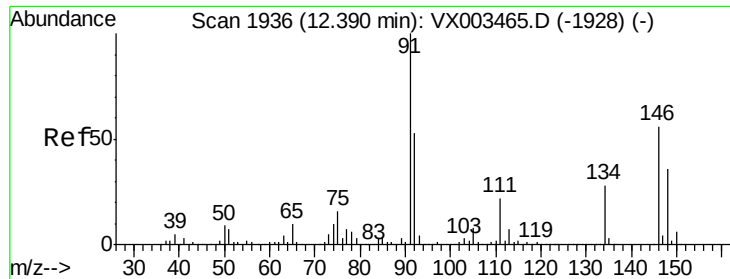
Tot Ion:146 Resp: 466579
 Ion Ratio Lower Upper
 146 100
 111 37.1 18.9 56.7
 148 64.4 32.1 96.3



#88
 1,4-Dichlorobenzene
 Concen: 47.32 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. 0.00 min
 Lab File: VX003472.D
 Acq: 19 Jul 2018 19:15

Tgt Ion:146 Resp: 469366
 Ion Ratio Lower Upper
 146 100
 111 36.0 18.7 56.1
 148 64.4 32.4 97.0





#89

n-Butylbenzene

Concen: 52.08 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. 0.00 min

Lab File: VX003472.D

Acq: 19 Jul 2018 19:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

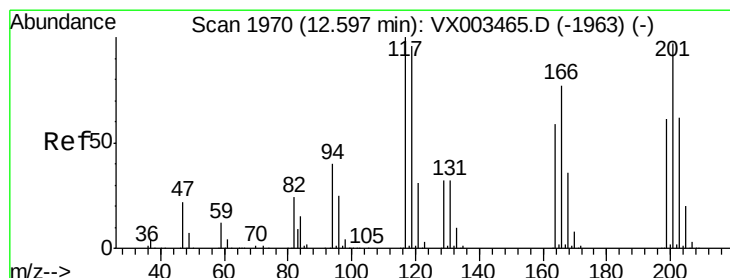
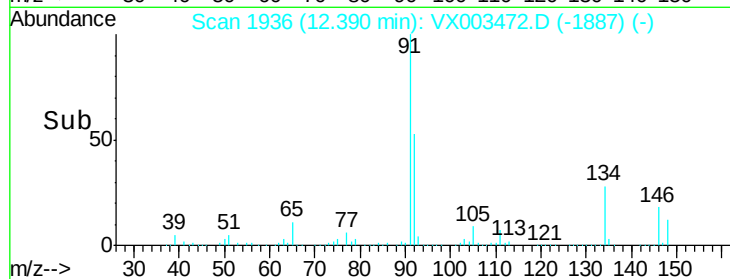
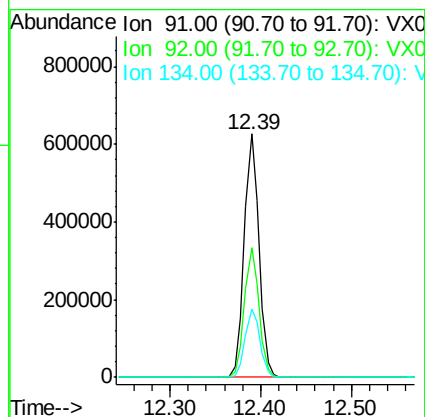
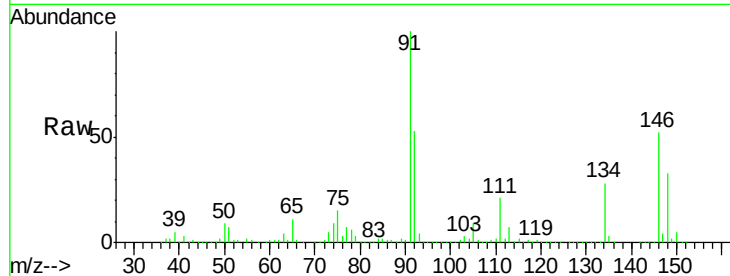
Tot Ion: 91 Resp: 706748

Ion Ratio Lower Upper

91 100

92 52.7 26.0 78.0

134 28.2 13.5 40.5



#90

Hexachloroethane

Concen: 51.76 ug/l

RT: 12.60 min Scan# 1970

Delta R.T. 0.00 min

Lab File: VX003472.D

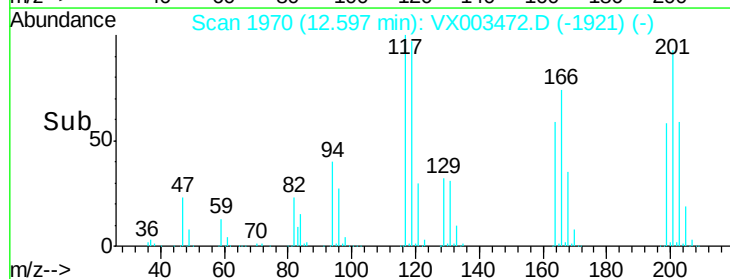
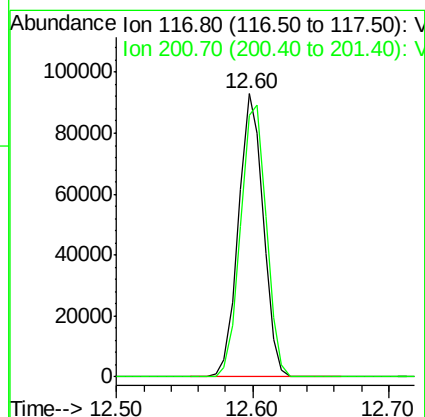
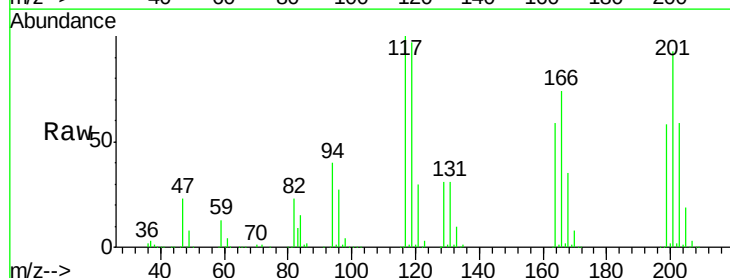
Acq: 19 Jul 2018 19:15

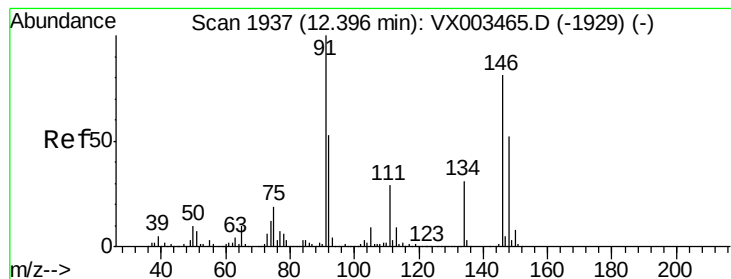
Tgt Ion: 117 Resp: 117580

Ion Ratio Lower Upper

117 100

201 99.8 49.0 147.0





#91

1,2-Dichlorobenzene

Concen: 48.68 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VX003472.D

Acq: 19 Jul 2018 19:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

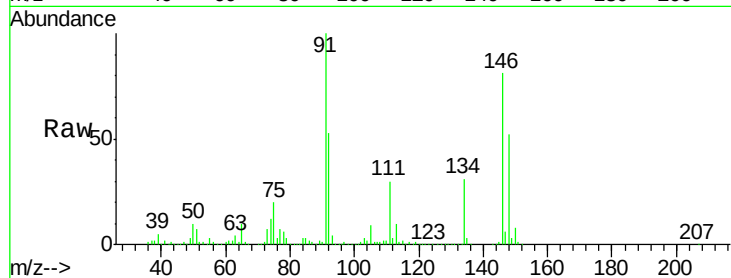
Tot Ion:146 Resp: 462021

Ion Ratio Lower Upper

146 100

111 38.1 19.4 58.1

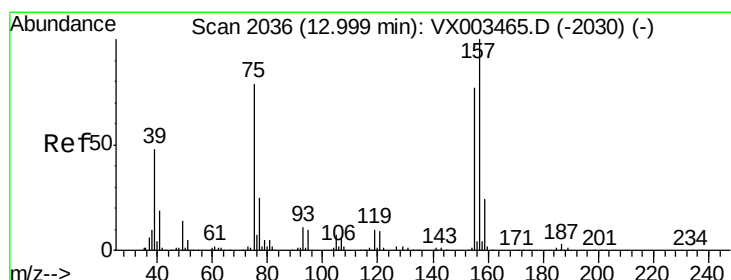
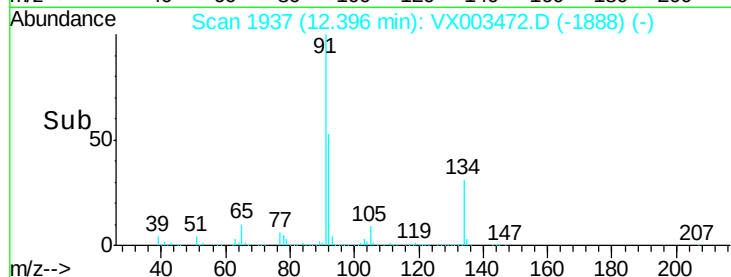
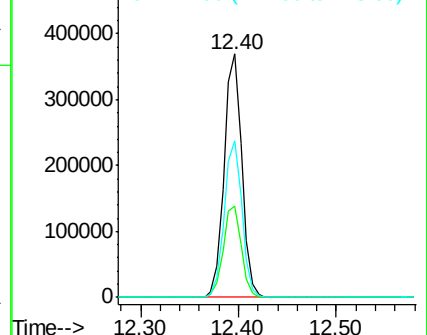
148 64.3 31.7 95.1



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: 50.62 ug/l

RT: 13.01 min Scan# 2037

Delta R.T. 0.01 min

Lab File: VX003472.D

Acq: 19 Jul 2018 19:15

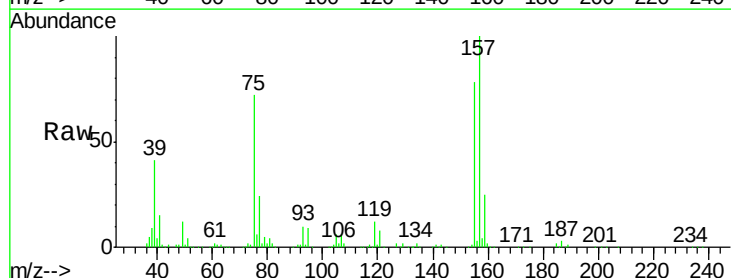
Tgt Ion: 75 Resp: 52583

Ion Ratio Lower Upper

75 100

155 105.2 45.8 137.4

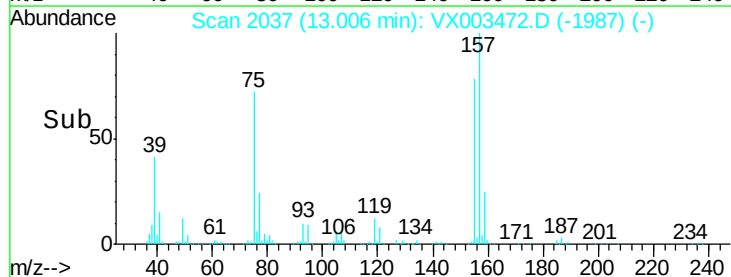
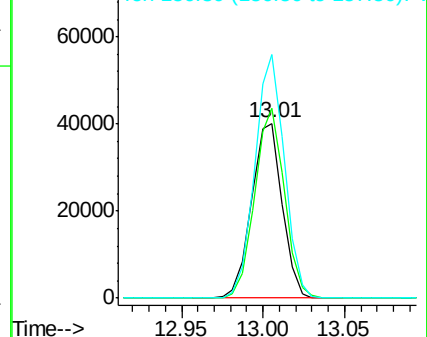
157 134.4 60.1 180.3

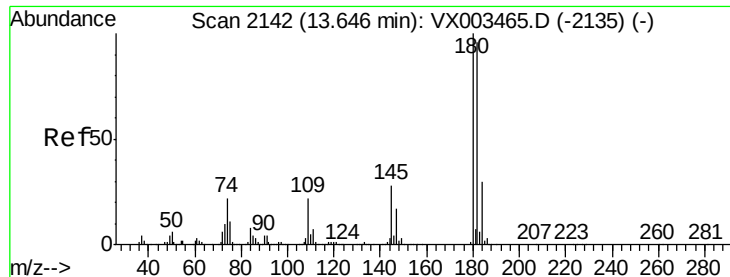


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

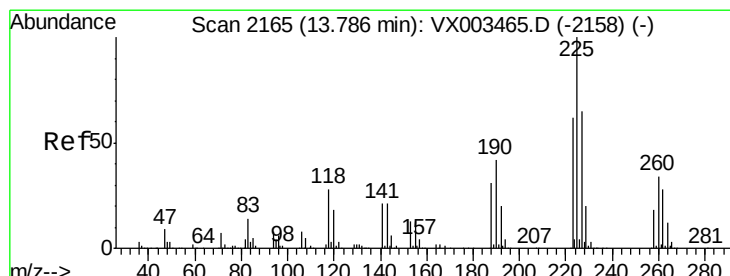
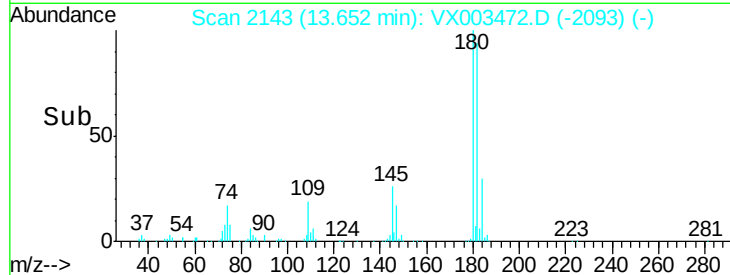
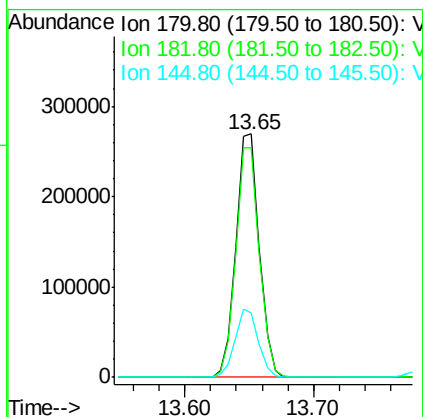
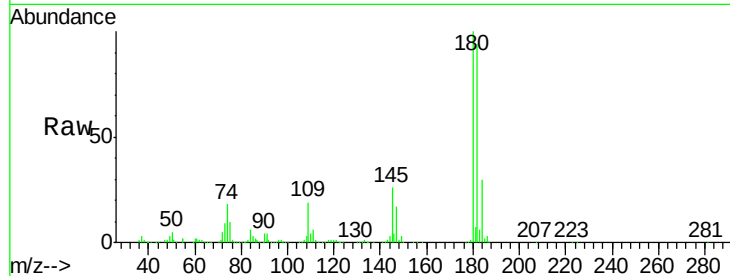




#93
 1,2,4-Trichlorobenzene
 Concen: 49.11 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.01 min
 Lab File: VX003472.D
 Acq: 19 Jul 2018 19:15

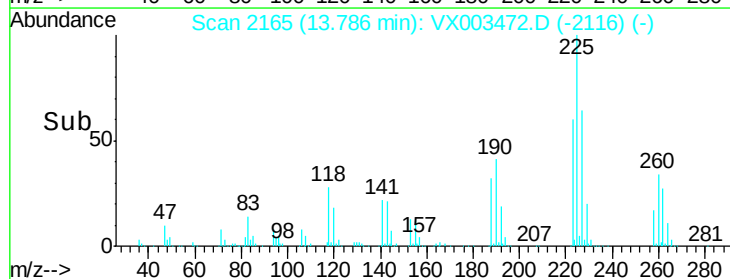
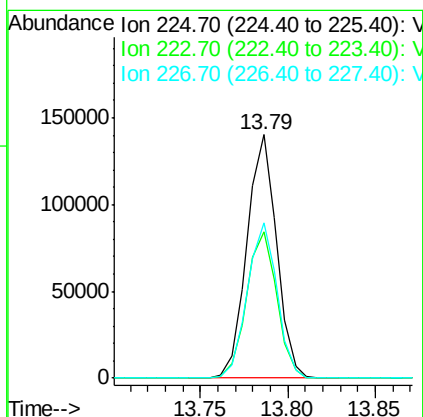
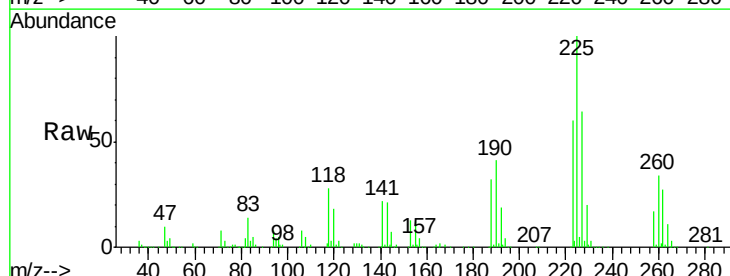
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

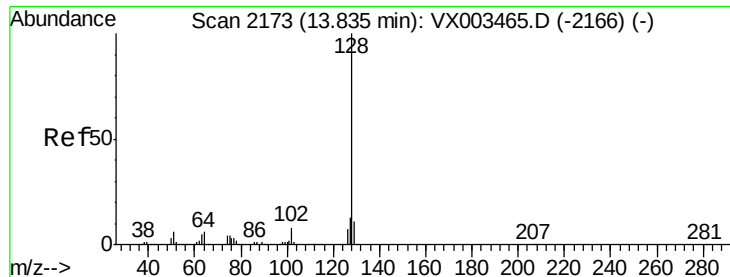
Tot Ion:180 Resp: 341615
 Ion Ratio Lower Upper
 180 100
 182 94.9 47.7 143.1
 145 27.6 14.1 42.4



#94
 Hexachlorobutadiene
 Concen: 49.36 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX003472.D
 Acq: 19 Jul 2018 19:15

Tgt Ion:225 Resp: 165137
 Ion Ratio Lower Upper
 225 100
 223 61.3 31.6 95.0
 227 63.9 32.4 97.2

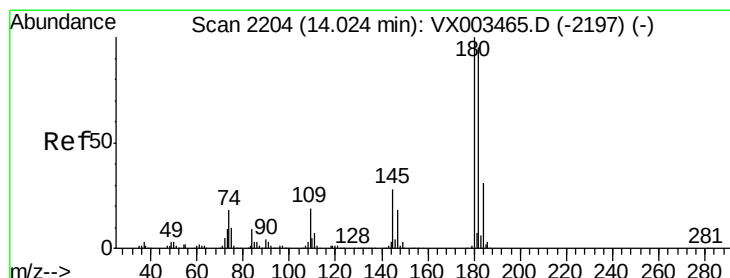
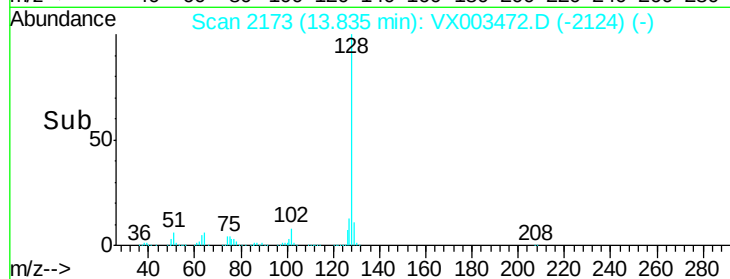
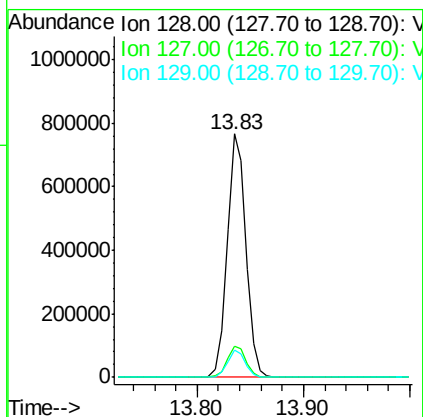
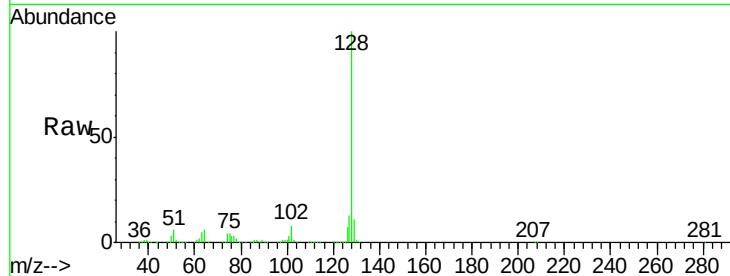




#95
Naphthalene
Concen: 51.32 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. 0.00 min
Lab File: VX003472.D
Acq: 19 Jul 2018 19:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 938098
Ion Ratio Lower Upper
128 100
127 12.9 10.4 15.6
129 10.9 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 49.43 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VX003472.D
Acq: 19 Jul 2018 19:15

Tgt Ion:180 Resp: 340340
Ion Ratio Lower Upper
180 100
182 96.3 48.0 144.0
145 28.9 14.8 44.3

