

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072018\
 Data File : VX003511.D
 Acq On : 20 Jul 2018 16:05
 Operator : JC/SP
 Sample : VX0720WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0720WBS02

Quant Time: Jul 20 16:43:17 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	297866	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	423671	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	399364	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	239551	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	192644	54.64	ug/l	0.00
Spiked Amount			Recovery	=	109.28%	
35) Dibromofluoromethane	5.51	113	171605	53.18	ug/l	0.00
Spiked Amount			Recovery	=	106.36%	
50) Toluene-d8	8.72	98	655549	54.05	ug/l	0.00
Spiked Amount			Recovery	=	108.10%	
62) 4-Bromofluorobenzene	11.14	95	233840	52.83	ug/l	0.00
Spiked Amount			Recovery	=	105.66%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	49787	20.63	ug/l	98
3) Chloromethane	1.32	50	67386	22.34	ug/l	99
4) Vinyl Chloride	1.40	62	75083	19.84	ug/l	99
5) Bromomethane	1.64	94	36727	23.06	ug/l	99
6) Chloroethane	1.72	64	47839	21.37	ug/l	100
7) Trichlorofluoromethane	1.93	101	103549	20.51	ug/l	99
8) Diethyl Ether	2.19	74	44368	20.46	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.38	101	65134	19.71	ug/l	98
10) Methyl Iodide	2.51	142	71869	18.11	ug/l	93
11) Tert butyl alcohol	3.07	59	72344	103.69	ug/l	100
12) 1,1-Dichloroethene	2.37	96	62173	20.44	ug/l	90
13) Acrolein	2.29	56	31894	101.17	ug/l	97
14) Allyl chloride	2.73	41	112332	20.86	ug/l	87
15) Acrylonitrile	3.15	53	190968	107.51	ug/l	98
16) Acetone	2.45	43	149266	112.08	ug/l	91
17) Carbon Disulfide	2.57	76	165471	20.11	ug/l	99
18) Methyl Acetate	2.78	43	106921	25.47	ug/l	92
19) Methyl tert-butyl Ether	3.20	73	216638	21.81	ug/l	98
20) Methylene Chloride	2.86	84	72555	21.79	ug/l	92
21) trans-1,2-Dichloroethene	3.17	96	67801	20.03	ug/l	91
22) Diisopropyl ether	3.87	45	212434	20.96	ug/l	97
23) Vinyl Acetate	3.82	43	854784	102.40	ug/l	96
24) 1,1-Dichloroethane	3.70	63	121781	20.48	ug/l	98
25) 2-Butanone	4.71	43	237114	106.11	ug/l	93
26) 2,2-Dichloropropane	4.59	77	78217	17.32	ug/l	93
27) cis-1,2-Dichloroethene	4.60	96	76899	20.40	ug/l	89
28) Bromochloromethane	5.02	49	55943	21.53	ug/l	86
29) Tetrahydrofuran	5.17	42	154907	104.94	ug/l	90
30) Chloroform	5.22	83	121555	20.94	ug/l	100
31) Cyclohexane	5.57	56	106734	20.09	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	103503	20.82	ug/l	97
36) 1,1-Dichloropropene	5.80	75	91683	20.04	ug/l	98
37) Ethyl Acetate	4.86	43	92078	21.27	ug/l	96
38) Carbon Tetrachloride	5.78	117	91335	20.36	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	105442	19.46	ug/l	95
40) Benzene	6.15	78	284369	20.59	ug/l	98
41) Methacrylonitrile	5.07	41	52948	20.81	ug/l	92
42) 1,2-Dichloroethane	6.20	62	92757	21.32	ug/l	94
43) Isopropyl Acetate	6.46	43	148910	21.63	ug/l	95
44) Trichloroethene	7.21	130	83735	20.33	ug/l	99
45) 1,2-Dichloropropane	7.52	63	73181	20.87	ug/l	99
46) Dibromomethane	7.67	93	47638	21.10	ug/l	94
47) Bromodichloromethane	7.90	83	87314	21.13	ug/l	98
48) Methyl methacrylate	7.78	41	73996	21.31	ug/l #	84
49) 1,4-Dioxane	7.76	88	30948	393.36	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	473780	108.92	ug/l	91
52) Toluene	8.79	92	180428	20.75	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	104860	20.61	ug/l	99
54) cis-1,3-Dichloropropene	9.04	75	93248	20.38	ug/l	91
55) 1,1,2-Trichloroethane	9.22	97	73117	21.14	ug/l	96
56) Ethyl methacrylate	9.18	69	104076	21.36	ug/l #	81
57) 1,3-Dichloropropane	9.37	76	119088	21.30	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	246304	103.96	ug/l	96
59) 2-Hexanone	9.50	43	353914	109.81	ug/l	89
60) Dibromochloromethane	9.59	129	71361	20.84	ug/l	100
61) 1,2-Dibromoethane	9.68	107	75987	21.19	ug/l	99
64) Tetrachloroethene	9.34	164	99364	20.42	ug/l	97
65) Chlorobenzene	10.14	112	217768	21.16	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	72112	20.37	ug/l	99
67) Ethyl Benzene	10.26	91	336403	20.33	ug/l	99
68) m/p-Xylenes	10.36	106	264752	40.82	ug/l	95
69) o-Xylene	10.70	106	127735	20.37	ug/l	95
70) Styrene	10.71	104	213636	20.71	ug/l	97
71) Bromoform	10.86	173	55838	20.30	ug/l	99
73) Isopropylbenzene	11.02	105	340044	20.53	ug/l	99
74) N-amyl acetate	6.46	43	148910	21.17	ug/l #	94
75) 1,1,1,2-Tetrachloroethane	11.27	83	100693	20.74	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	114960	26.71	ug/l	81
77) Bromobenzene	11.26	156	95519	20.05	ug/l	96
78) n-propylbenzene	11.37	91	379066	20.58	ug/l	99
79) 2-Chlorotoluene	11.42	91	229517	20.53	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	281542	20.68	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.08	75	25782	18.58	ug/l	95
82) 4-Chlorotoluene	11.51	91	265381	20.26	ug/l	97
83) tert-Butylbenzene	11.77	119	267710	20.08	ug/l	95
84) 1,2,4-Trimethylbenzene	11.81	105	289737	20.91	ug/l	98
85) sec-Butylbenzene	11.95	105	329381	20.34	ug/l	100
86) p-Isopropyltoluene	12.07	119	295252	20.31	ug/l	98
87) 1,3-Dichlorobenzene	12.03	146	173093	19.76	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	182880	20.27	ug/l	99
89) n-Butylbenzene	12.39	91	240267	19.47	ug/l	99
90) Hexachloroethane	12.60	117	39944	19.33	ug/l	97
91) 1,2-Dichlorobenzene	12.40	146	221314	25.64	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	19629	20.78	ug/l	89

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Instrument :
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ClientSampleId :
VX0720WBS02

Quant Time: Jul 20 16:43:17 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X071918W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 19 17:09:44 2018
Response via : Initial Calibration

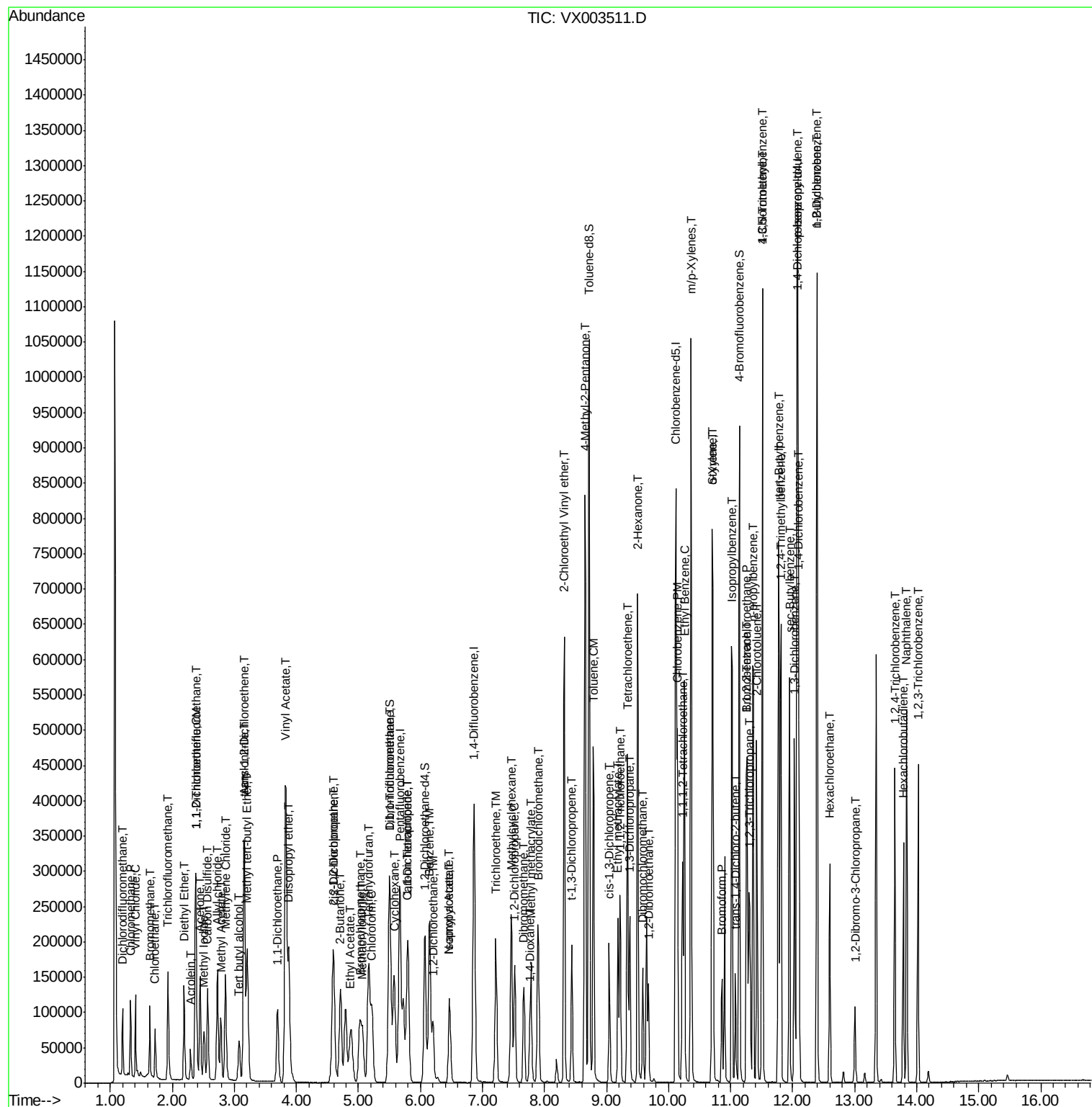
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	120083	18.98	ug/l	99
94) Hexachlorobutadiene	13.79	225	57760	18.98	ug/l	98
95) Naphthalene	13.83	128	339463	20.42	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	122436	19.55	ug/l	100

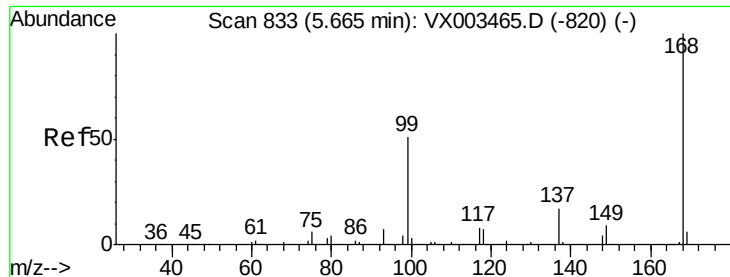
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX072018\
Data File : VX003511.D
Acq On : 20 Jul 2018 16:05
Operator : JC/SP
Sample : VX0720WBS02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
Client Sample Id :
VX0720WBS02

Quant Time: Jul 20 16:42:52 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X071918W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 19 17:09:44 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003511.D

Acq: 20 Jul 2018 16:05

Instrument :

MSVOA_X

ClientSampleId :

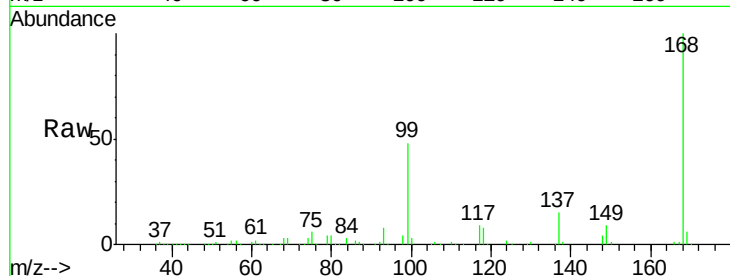
VX0720WBS02

Tot Ion:168 Resp: 297866

Ion Ratio Lower Upper

168 100

99 47.4 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

120000

100000

80000

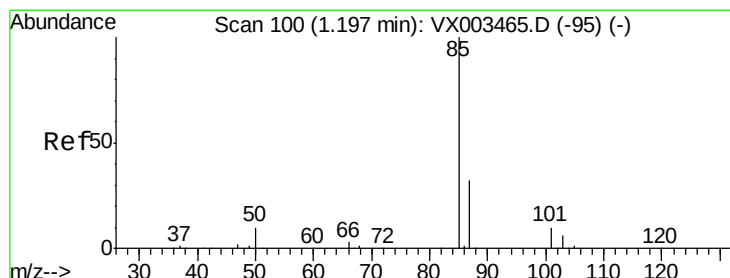
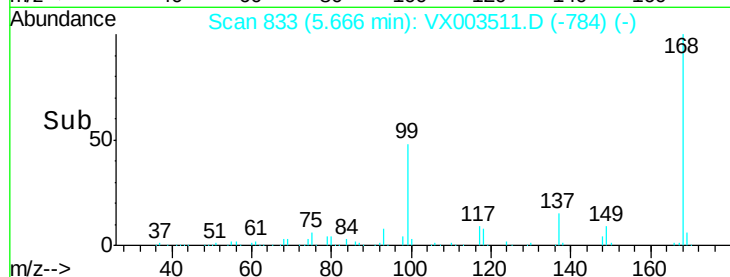
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 20.63 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003511.D

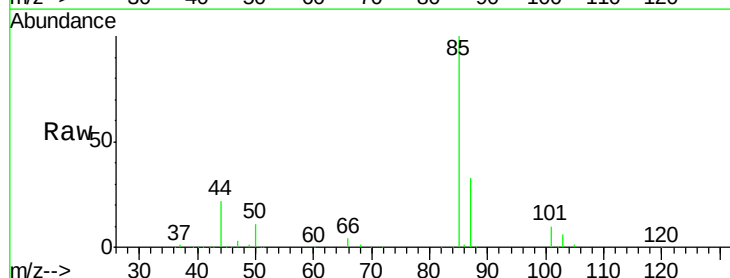
Acq: 20 Jul 2018 16:05

Tgt Ion: 85 Resp: 49787

Ion Ratio Lower Upper

85 100

87 33.1 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

60000

50000

40000

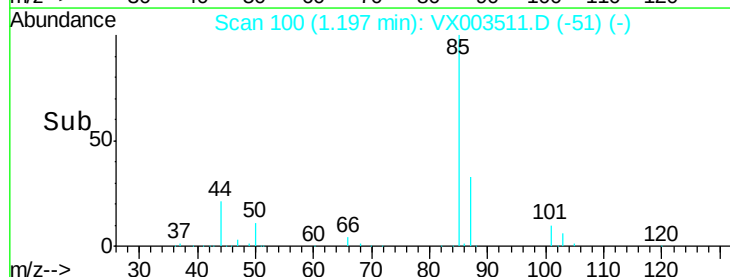
30000

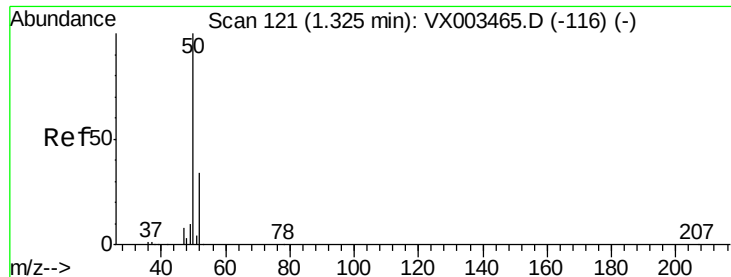
20000

10000

0

Time--> 1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 22.34 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003511.D

Acq: 20 Jul 2018 16:05

Instrument :

MSVOA_X

ClientSampleId :

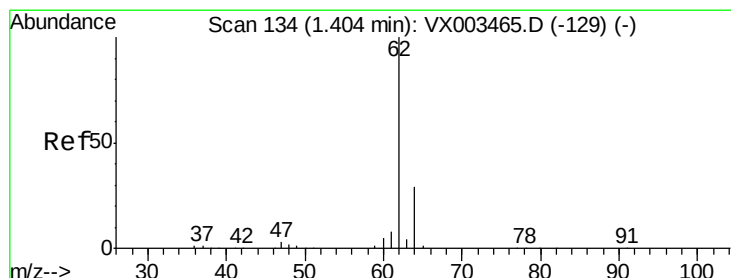
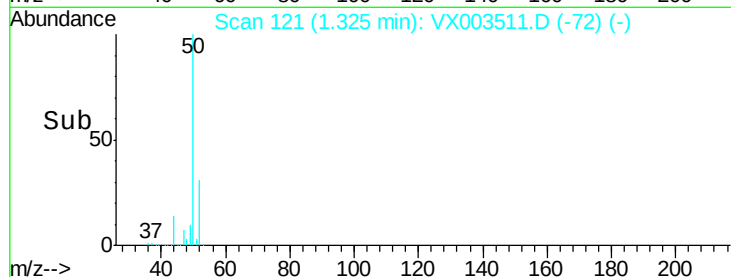
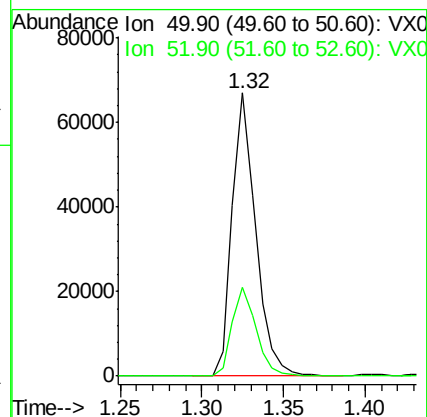
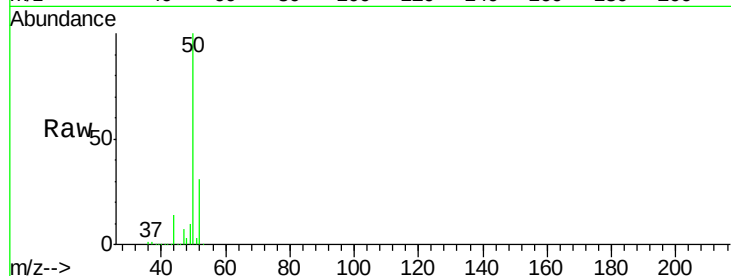
VX0720WBS02

Tot Ion: 50 Resp: 67386

Ion Ratio Lower Upper

50 100

52 31.3 25.7 38.5



#4

Vinyl Chloride

Concen: 19.84 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003511.D

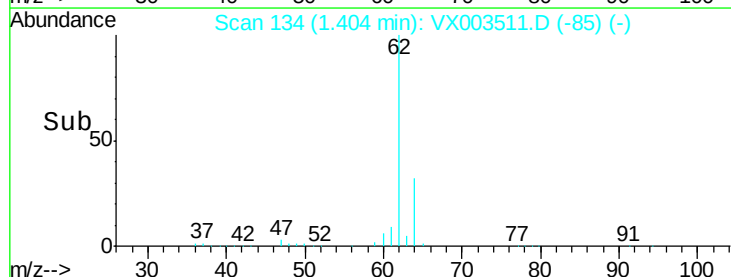
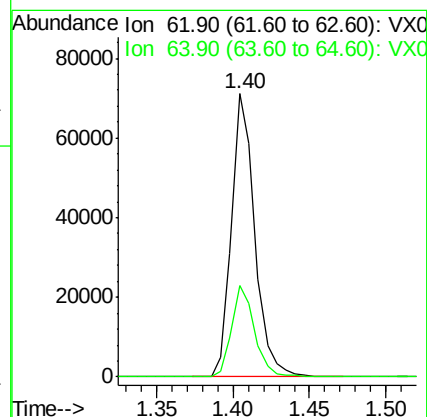
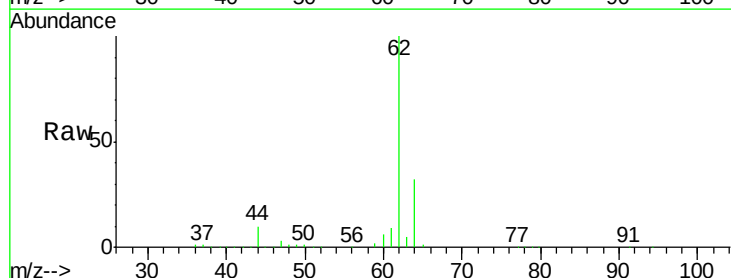
Acq: 20 Jul 2018 16:05

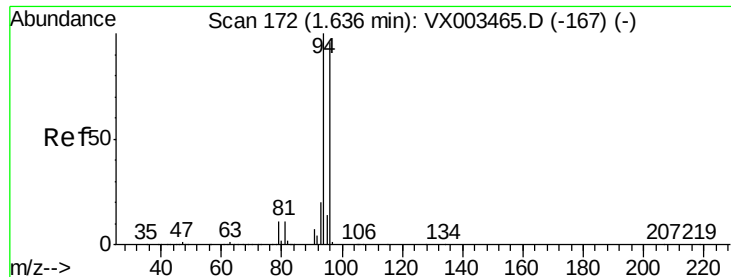
Tgt Ion: 62 Resp: 75083

Ion Ratio Lower Upper

62 100

64 32.4 25.4 38.2





#5

Bromomethane

Concen: 23.06 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003511.D

Acq: 20 Jul 2018 16:05

Instrument :

MSVOA_X

ClientSampleId :

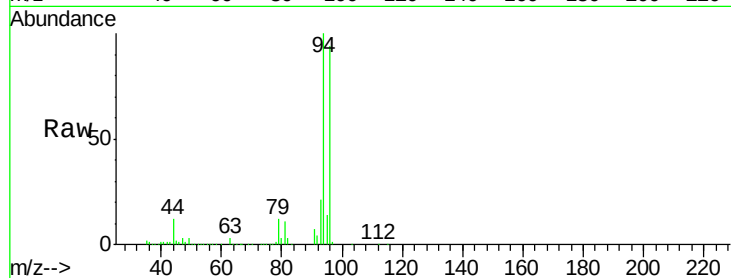
VX0720WBS02

Tot Ion: 94 Resp: 36727

Ion Ratio Lower Upper

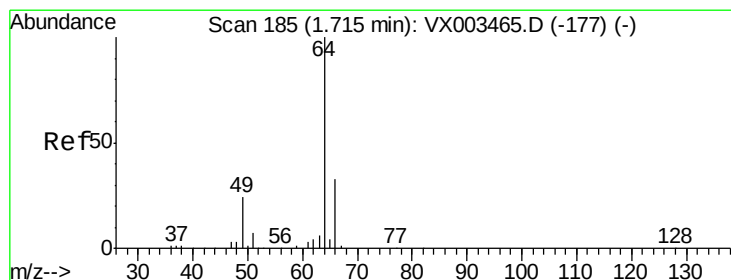
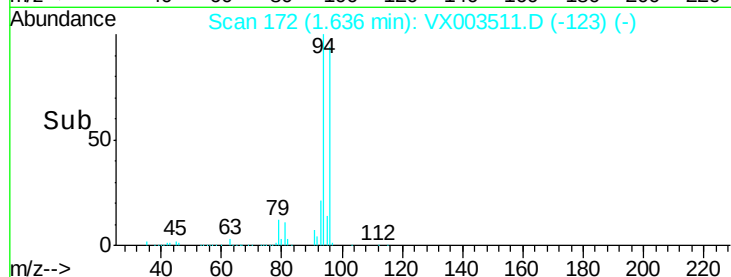
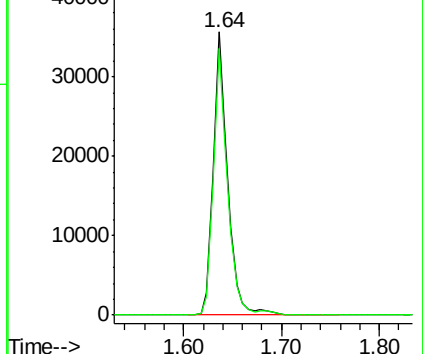
94 100

96 94.5 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: 21.37 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX003511.D

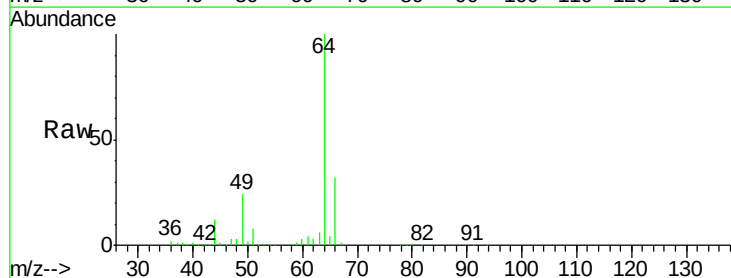
Acq: 20 Jul 2018 16:05

Tgt Ion: 64 Resp: 47839

Ion Ratio Lower Upper

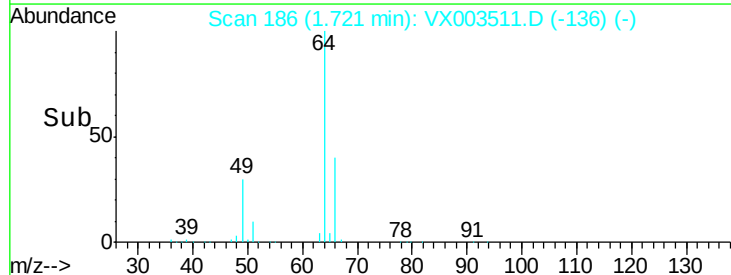
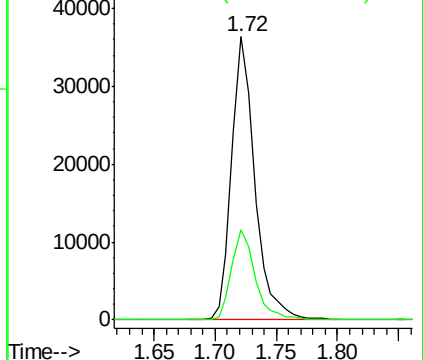
64 100

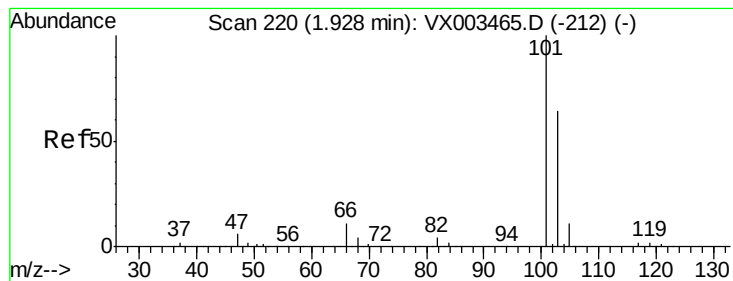
66 31.8 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

Trichlorofluoromethane

Concen: 20.51 ug/l

RT: 1.93 min Scan# 220

Delta R.T. 0.00 min

Lab File: VX003511.D

Acq: 20 Jul 2018 16:05

Instrument :

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ClientSampleId :

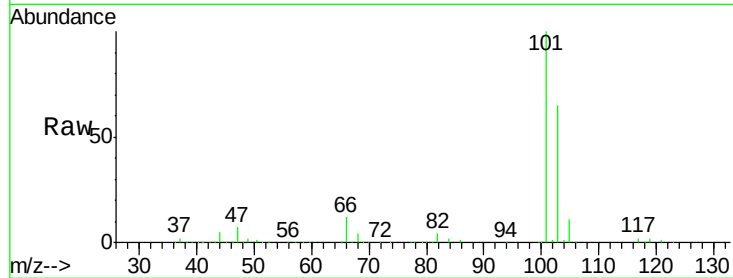
VX0720WBS02

Tot Ion:101 Resp: 103549

Ion Ratio Lower Upper

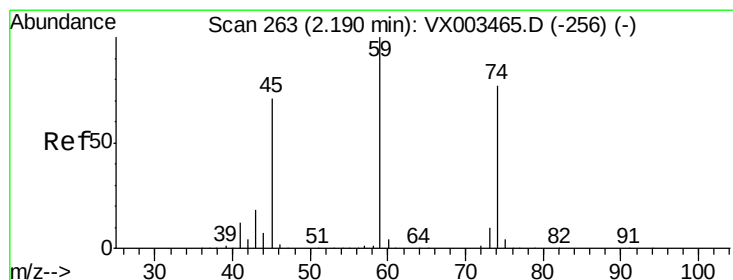
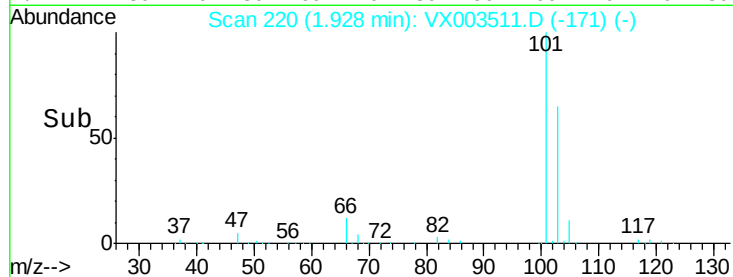
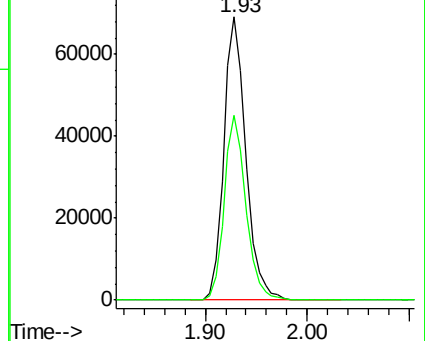
101 100

103 65.4 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: 20.46 ug/l

RT: 2.19 min Scan# 263

Delta R.T. 0.00 min

Lab File: VX003511.D

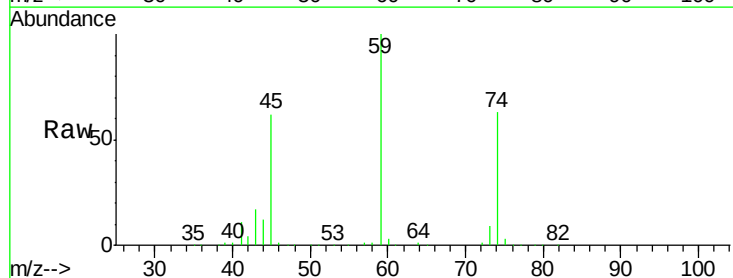
Acq: 20 Jul 2018 16:05

Tgt Ion: 74 Resp: 44368

Ion Ratio Lower Upper

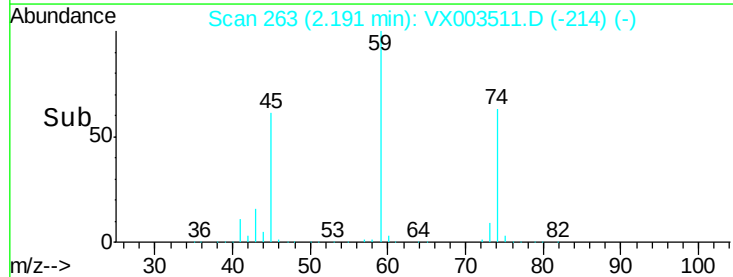
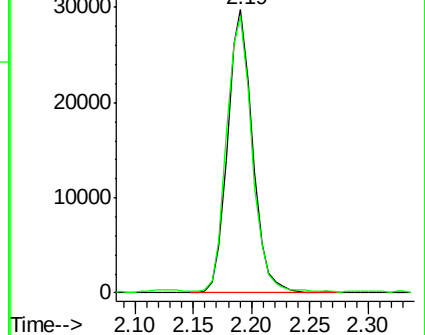
74 100

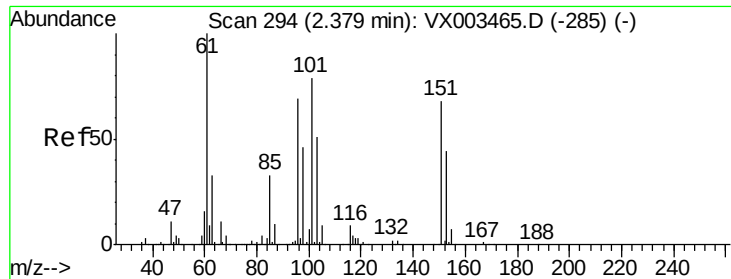
45 98.1 53.1 159.4



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: 19.71 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.00 min

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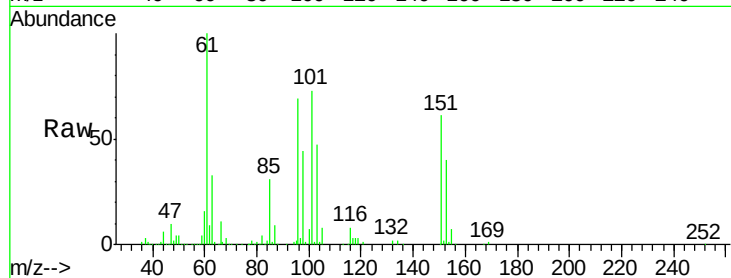
Tot Ion:101 Resp: 65134

Ion Ratio Lower Upper

101 100

85 42.5 36.0 54.0

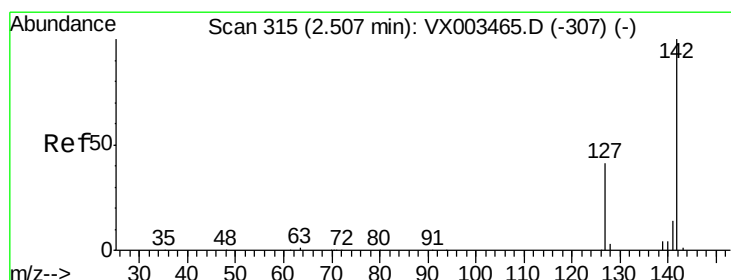
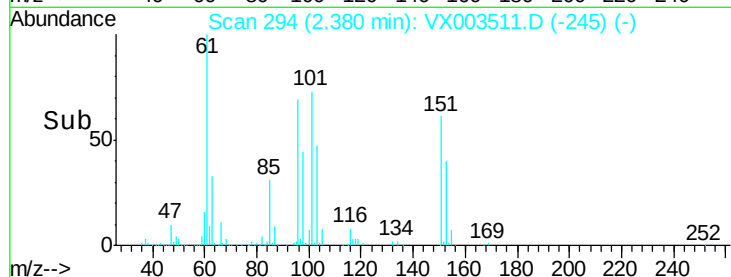
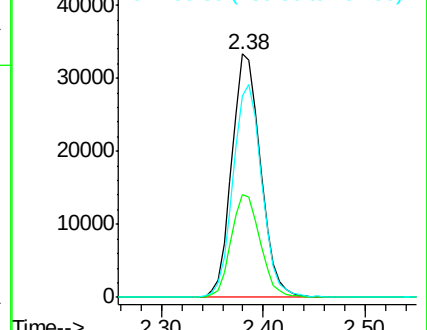
151 87.2 70.9 106.3



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: 18.11 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.01 min

Lab File: VX003511.D

Acq: 20 Jul 2018 16:05

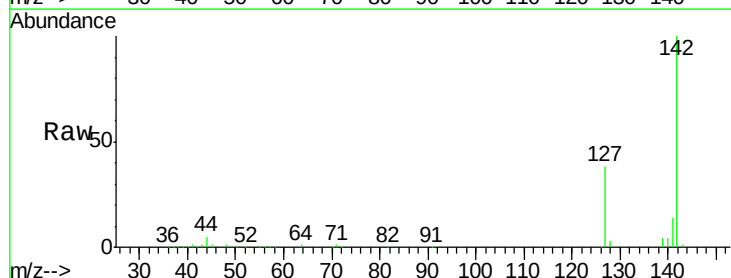
Tgt Ion:142 Resp: 71869

Ion Ratio Lower Upper

142 100

127 39.9 36.6 55.0

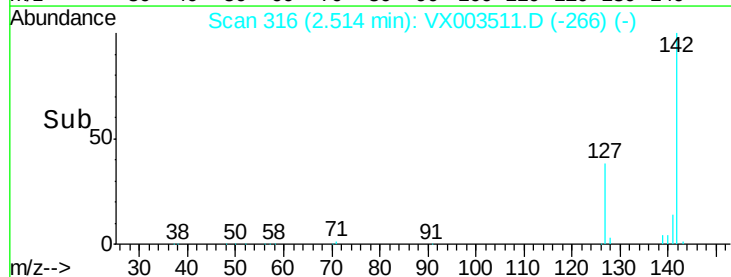
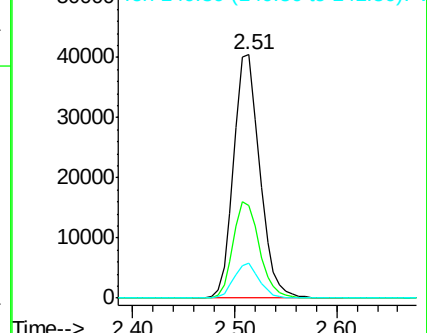
141 14.0 11.3 16.9

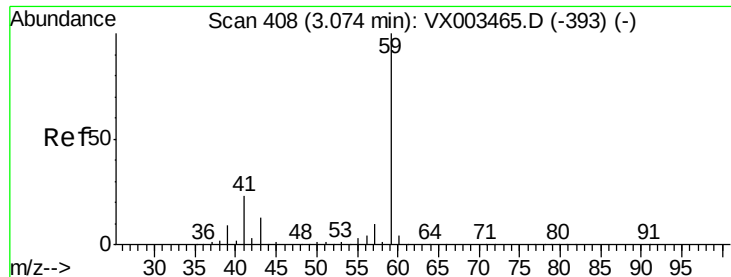


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



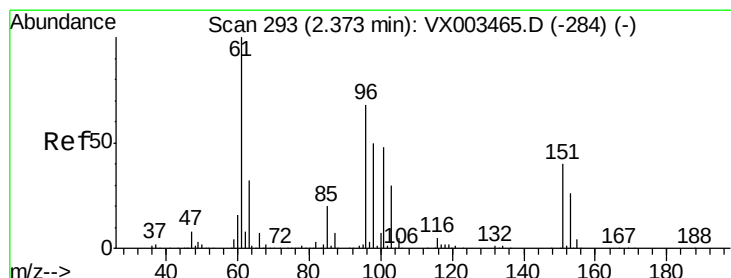
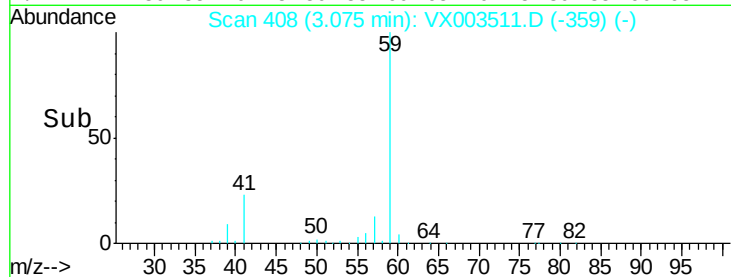
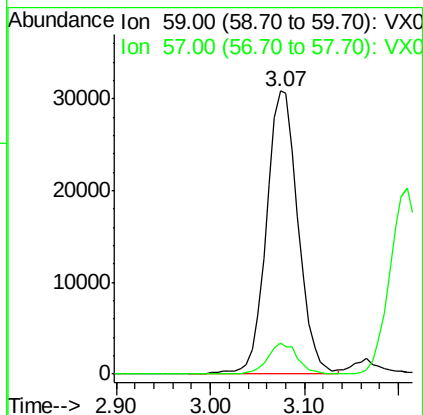
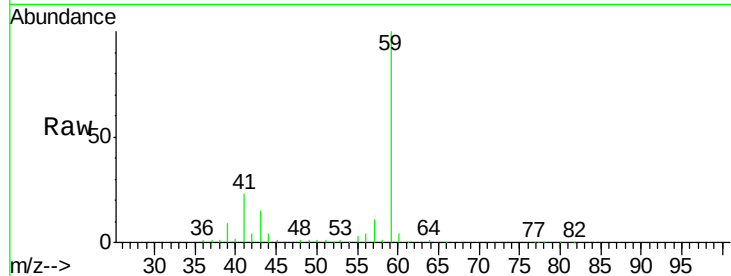


#11

Tert butyl alcohol
 Concen: 103.69 ug/l
 RT: 3.07 min Scan# 408
 Delta R.T. 0.00 min
 Lab File: VX003511.D
 Acq: 20 Jul 2018 16:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0720WBS02

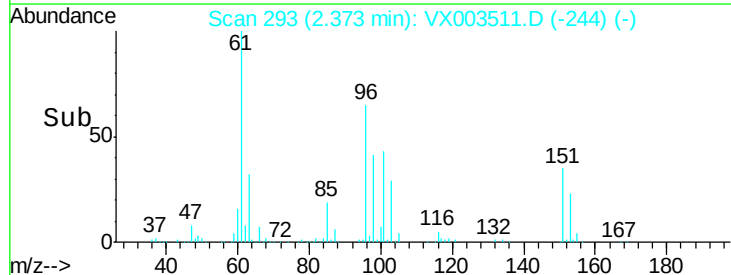
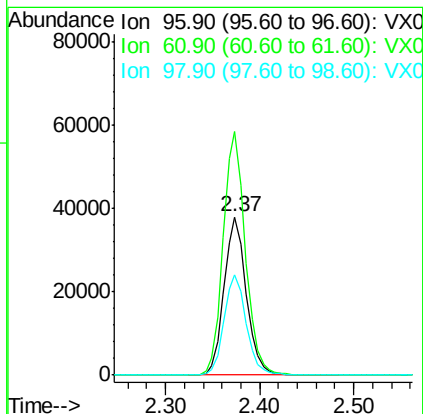
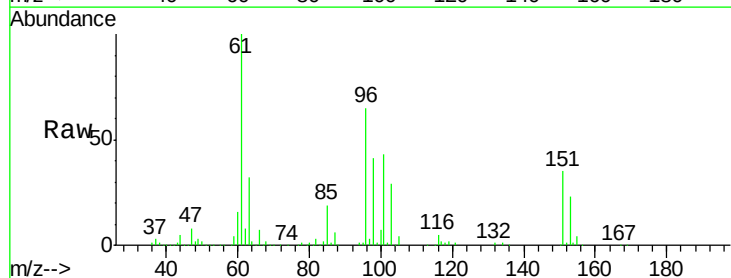
Tot Ion: 59 Resp: 72344
 Ion Ratio Lower Upper
 59 100
 57 10.3 8.2 12.2

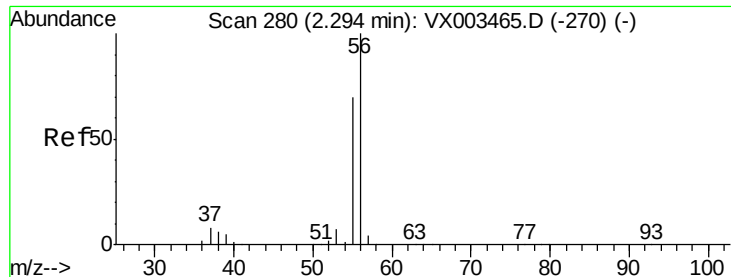


#12

1,1-Dichloroethene
 Concen: 20.44 ug/l
 RT: 2.37 min Scan# 293
 Delta R.T. 0.00 min
 Lab File: VX003511.D
 Acq: 20 Jul 2018 16:05

Tgt Ion: 96 Resp: 62173
 Ion Ratio Lower Upper
 96 100
 61 153.9 137.9 206.9
 98 63.3 51.6 77.4





#13

Acrolein

Concen: 101.17 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX003511.D

Acq: 20 Jul 2018 16:05

Instrument :

MSVOA_X

ClientSampleId :

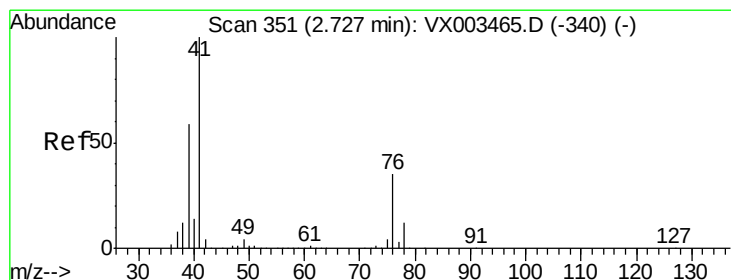
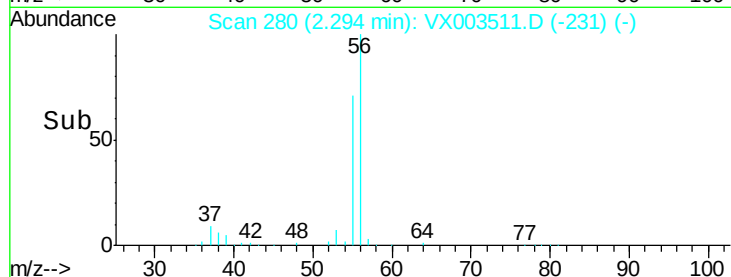
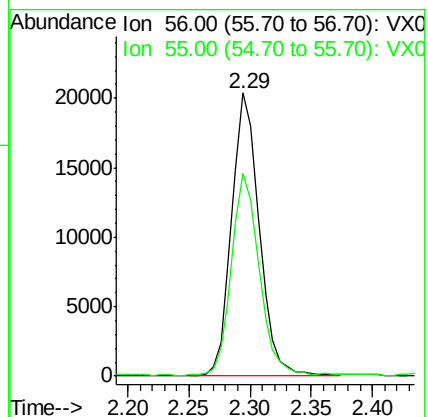
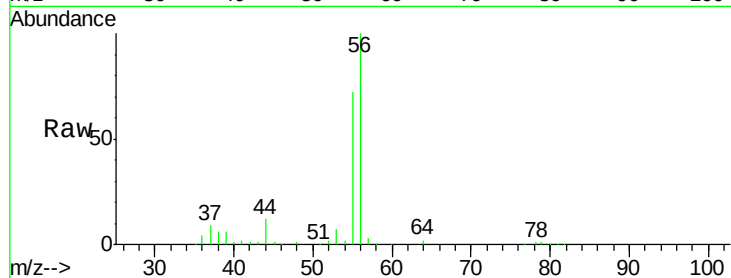
VX0720WBS02

Tot Ion: 56 Resp: 31894

Ion Ratio Lower Upper

56 100

55 73.5 57.0 85.4



#14

Allyl chloride

Concen: 20.86 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX003511.D

Acq: 20 Jul 2018 16:05

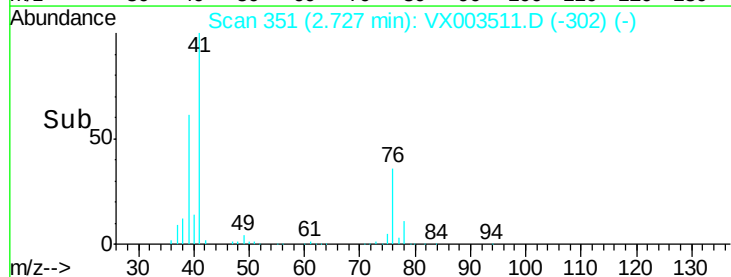
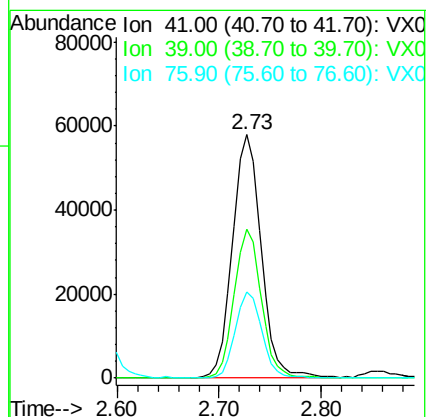
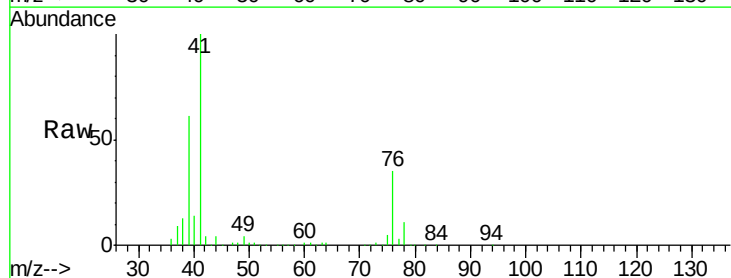
Tgt Ion: 41 Resp: 112332

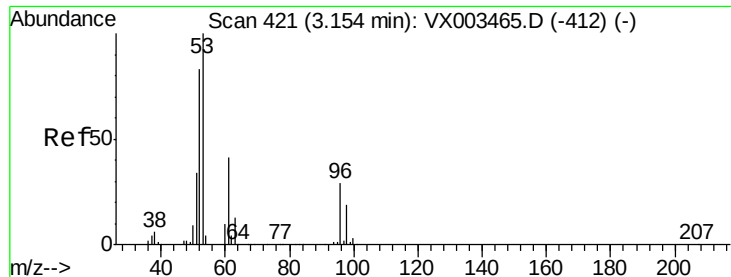
Ion Ratio Lower Upper

41 100

39 57.4 56.8 85.2

76 33.1 23.8 35.8





#15

Acrylonitrile

Concen: 107.51 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX003511.D

Acq: 20 Jul 2018 16:05

Instrument :

MSVOA_X

ClientSampleId :

VX0720WBS02

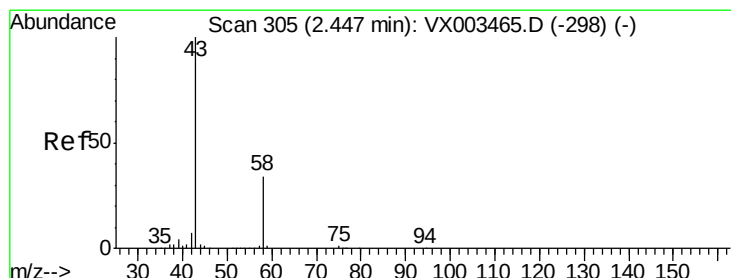
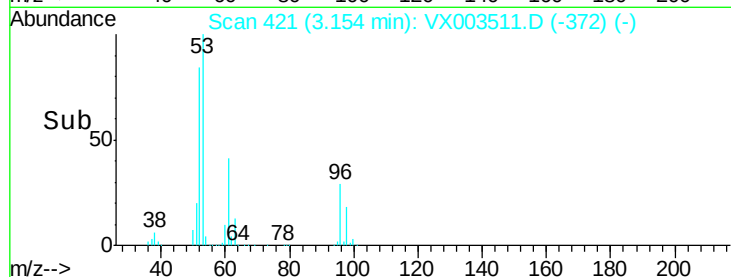
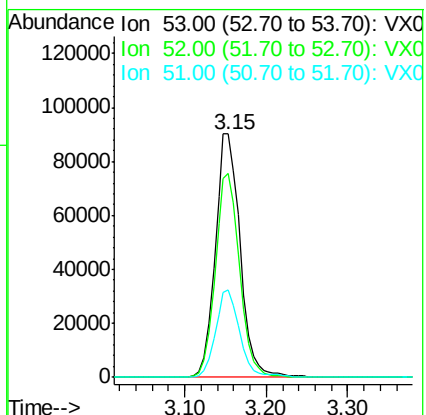
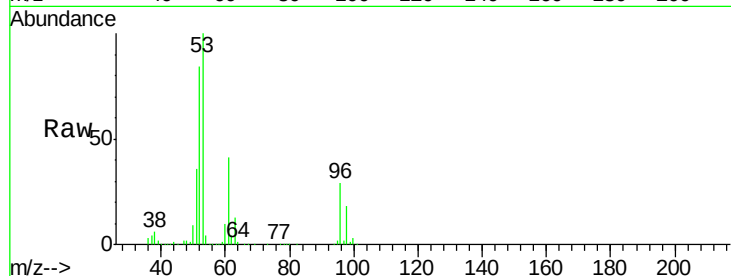
Tot Ion: 53 Resp: 190968

Ion Ratio Lower Upper

53 100

52 82.5 66.7 100.1

51 35.3 29.9 44.9



#16

Acetone

Concen: 112.08 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX003511.D

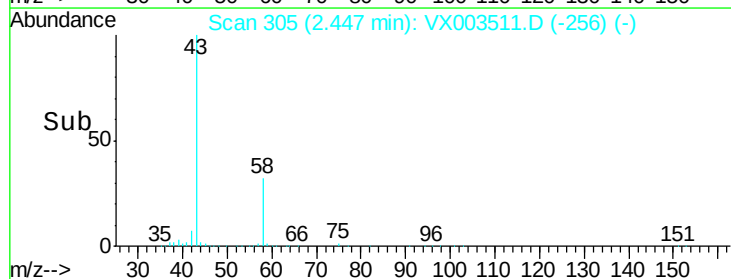
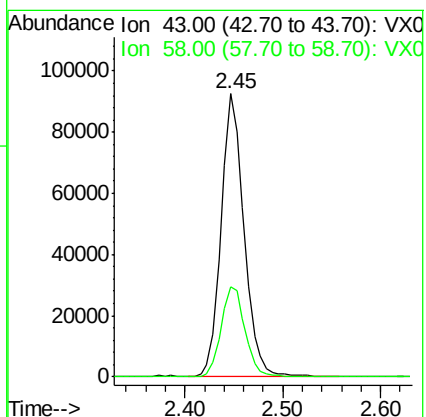
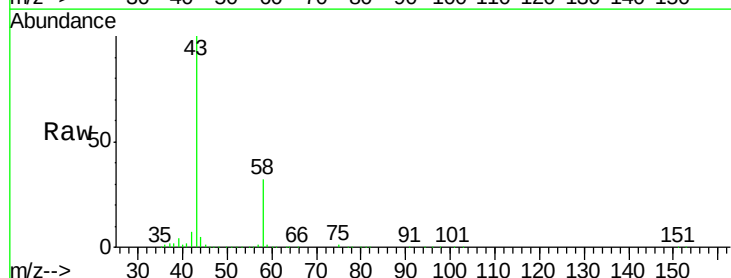
Acq: 20 Jul 2018 16:05

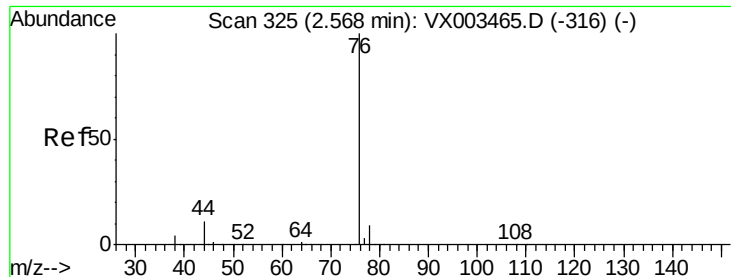
Tgt Ion: 43 Resp: 149266

Ion Ratio Lower Upper

43 100

58 32.1 22.1 33.1





#17

Carbon Disulfide

Concen: 20.11 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX003511.D

Acq: 20 Jul 2018 16:05

Instrument :

MSVOA_X

ClientSampleId :

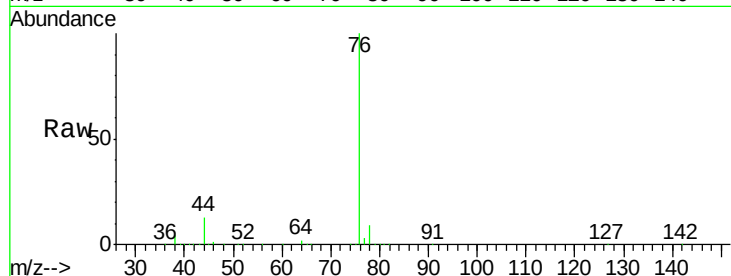
VX0720WBS02

Tot Ion: 76 Resp: 165471

Ion Ratio Lower Upper

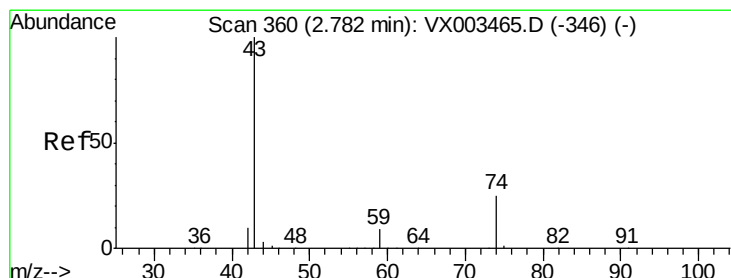
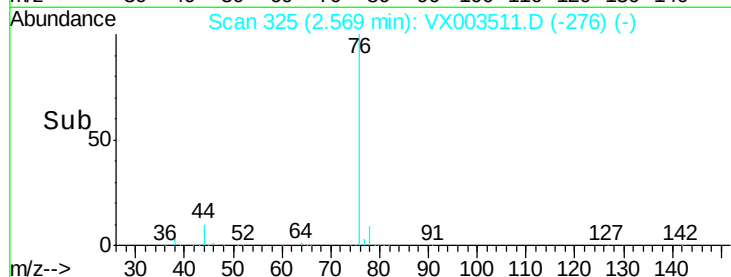
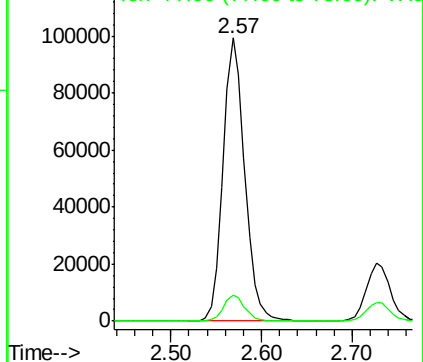
76 100

78 9.1 6.9 10.3



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 25.47 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX003511.D

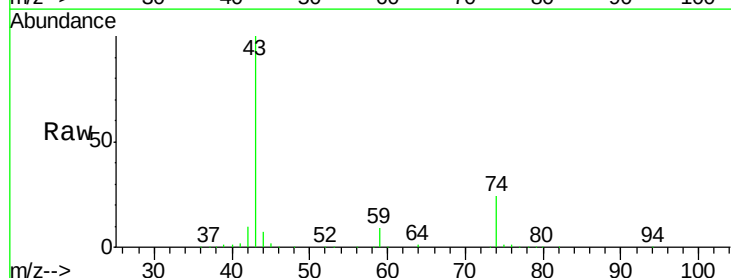
Acq: 20 Jul 2018 16:05

Tgt Ion: 43 Resp: 106921

Ion Ratio Lower Upper

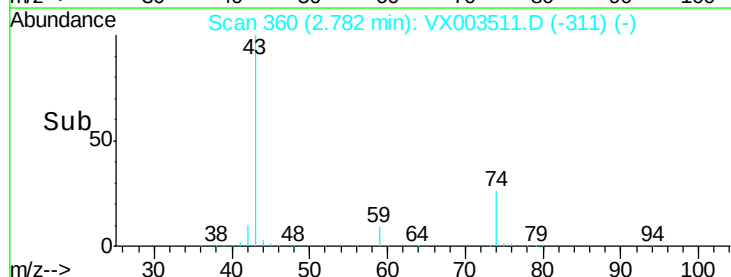
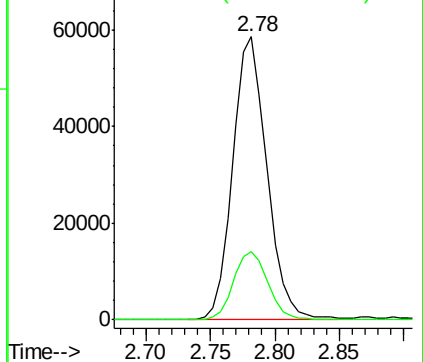
43 100

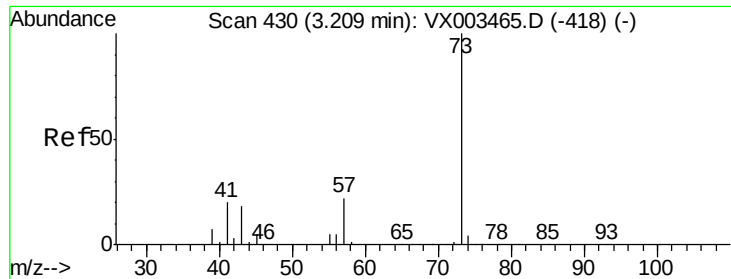
74 24.8 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

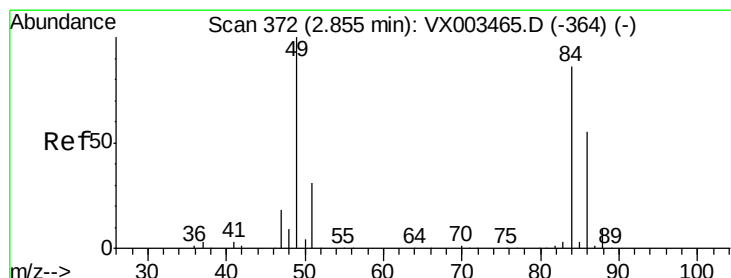
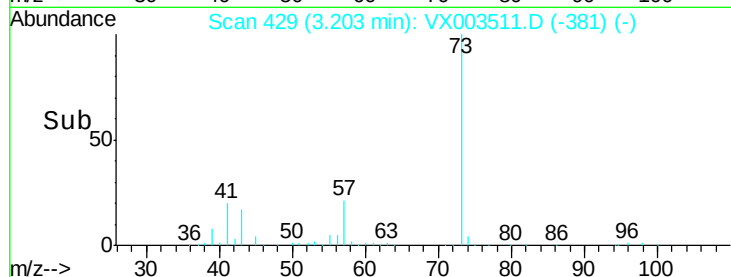
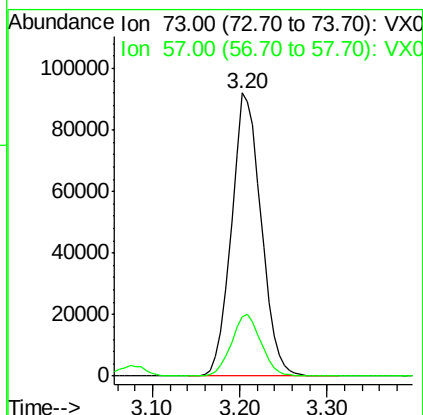
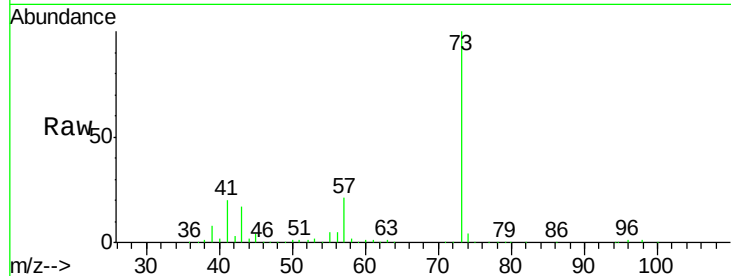




#19
Methyl tert-butyl Ether
Concen: 21.81 ug/l
RT: 3.20 min Scan# 429
Delta R.T. -0.01 min
Lab File: VX003511.D
Acq: 20 Jul 2018 16:05

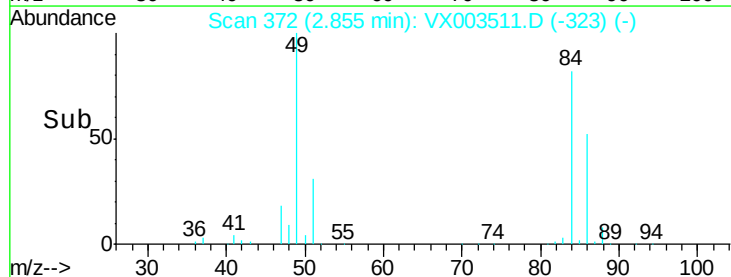
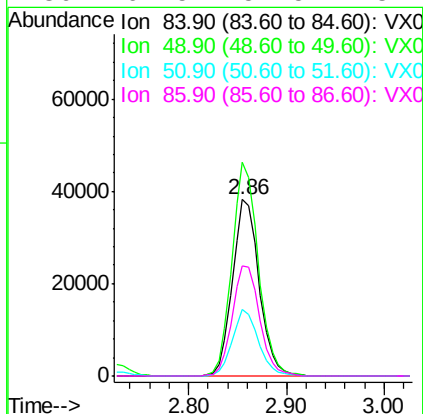
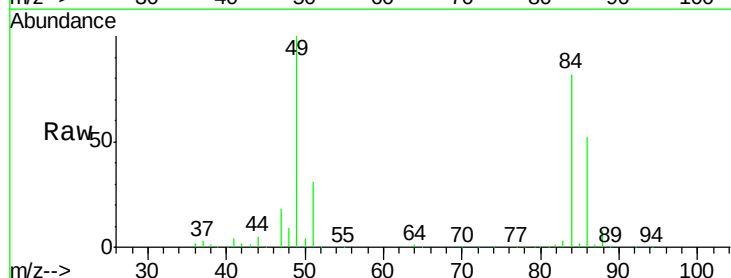
Instrument :
MSVOA_X
ClientSampleId :
VX0720WBS02

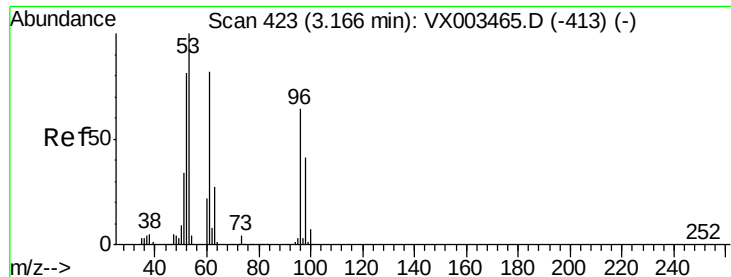
Tot Ion: 73 Resp: 216638
Ion Ratio Lower Upper
73 100
57 20.9 17.7 26.5



#20
Methylene Chloride
Concen: 21.79 ug/l
RT: 2.86 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX003511.D
Acq: 20 Jul 2018 16:05

Tgt Ion: 84 Resp: 72555
Ion Ratio Lower Upper
84 100
49 121.3 107.8 161.6
51 37.5 32.8 49.2
86 62.5 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 20.03 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX003511.D

Acq: 20 Jul 2018 16:05

Instrument :

MSVOA_X

ClientSampleId :

VX0720WBS02

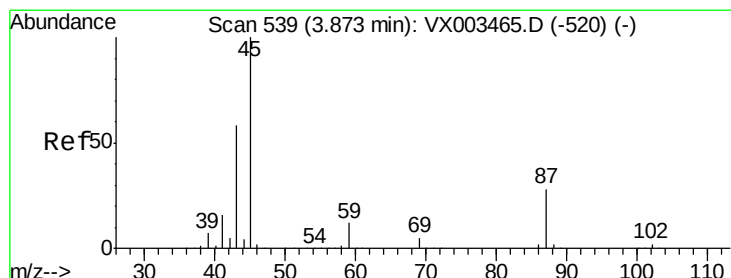
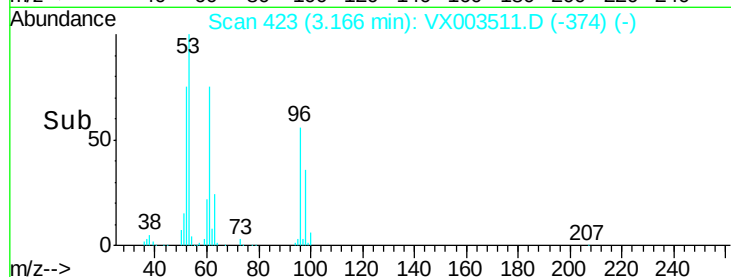
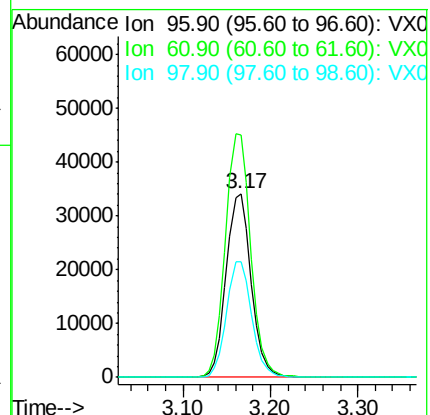
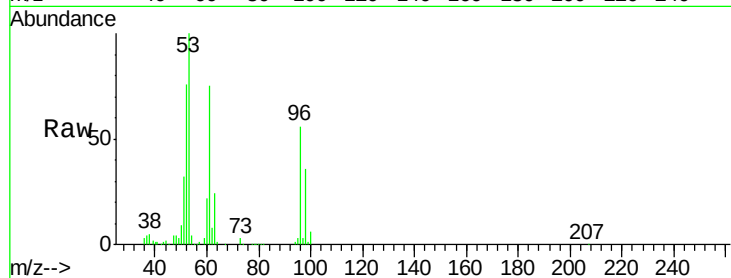
Tot Ion: 96 Resp: 67801

Ion Ratio Lower Upper

96 100

61 132.1 117.0 175.4

98 63.3 52.4 78.6



#22

Diisopropyl ether

Concen: 20.96 ug/l

RT: 3.87 min Scan# 539

Delta R.T. 0.00 min

Lab File: VX003511.D

Acq: 20 Jul 2018 16:05

Tgt Ion: 45 Resp: 212434

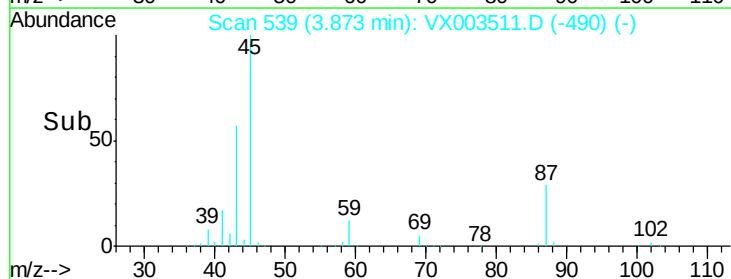
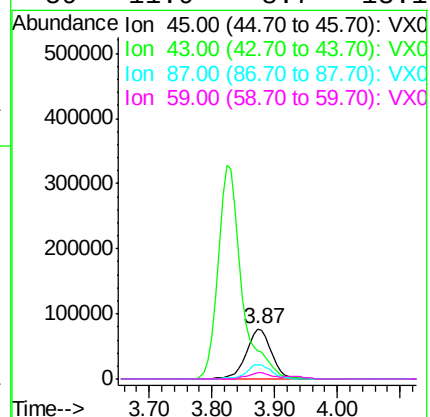
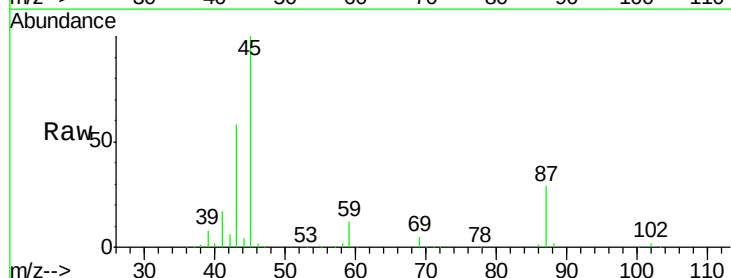
Ion Ratio Lower Upper

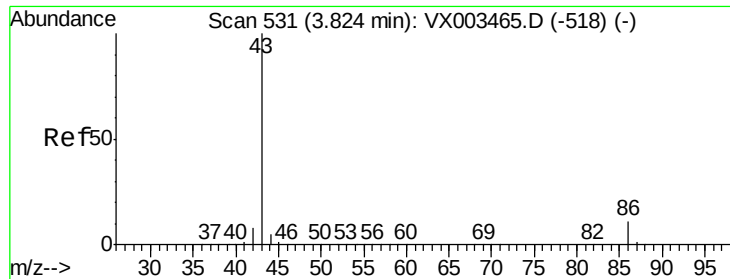
45 100

43 57.2 46.8 70.2

87 28.5 20.2 30.4

59 11.9 8.7 13.1





#23

Vinyl Acetate

Concen: 102.40 ug/l

RT: 3.82 min Scan# 531

Delta R.T. 0.00 min

Lab File: VX003511.D

Acq: 20 Jul 2018 16:05

Instrument :

MSVOA_X

ClientSampleId :

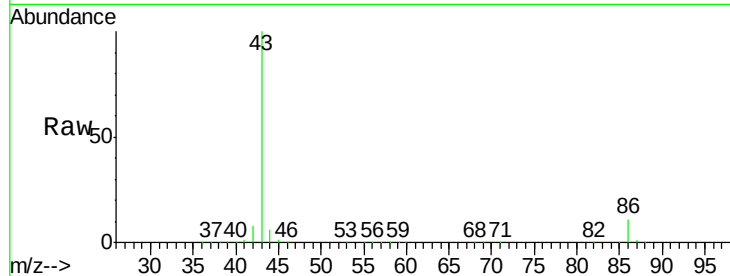
VX0720WBS02

Tot Ion: 43 Resp: 854784

Ion Ratio Lower Upper

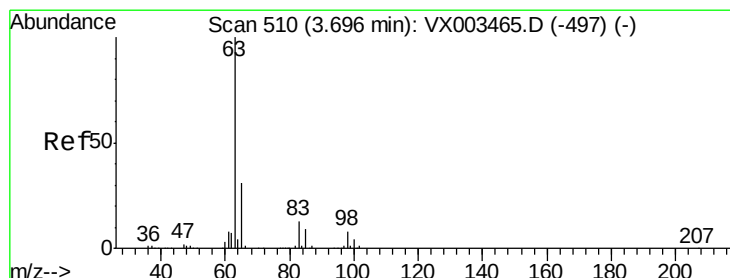
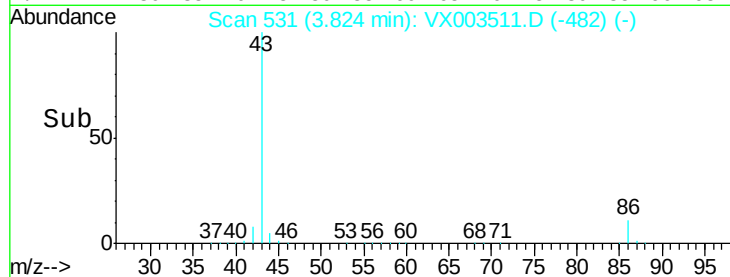
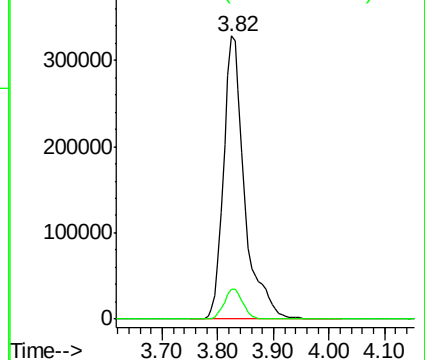
43 100

86 10.7 7.4 11.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 20.48 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX003511.D

Acq: 20 Jul 2018 16:05

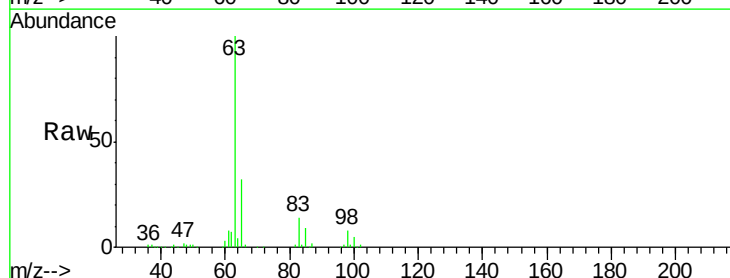
Tgt Ion: 63 Resp: 121781

Ion Ratio Lower Upper

63 100

98 7.8 3.4 10.2

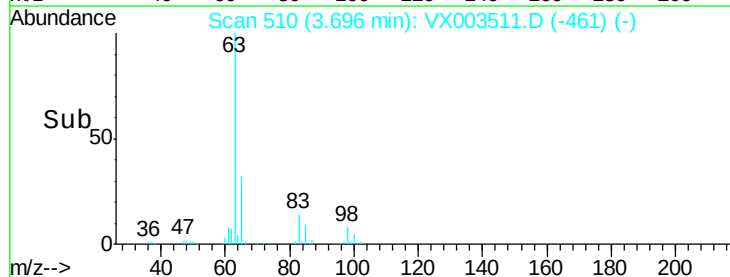
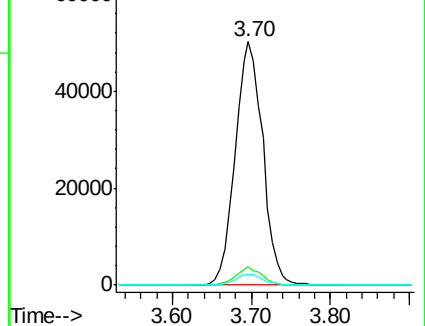
100 4.6 2.0 6.0

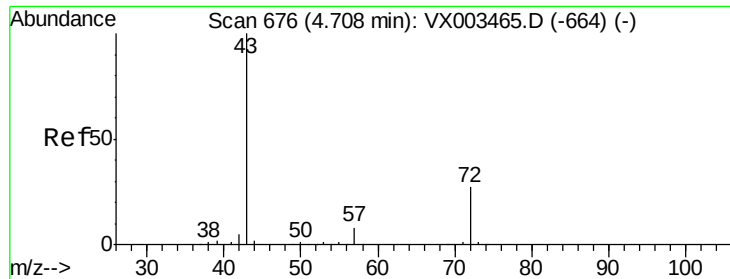


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 106.11 ug/l

RT: 4.71 min Scan# 676

Delta R.T. 0.00 min

Lab File: VX003511.D

Acq: 20 Jul 2018 16:05

Instrument :

MSVOA_X

ClientSampleId :

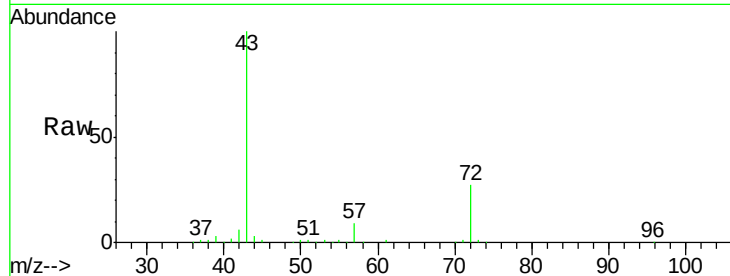
VX0720WBS02

Tot Ion: 43 Resp: 237114

Ion Ratio Lower Upper

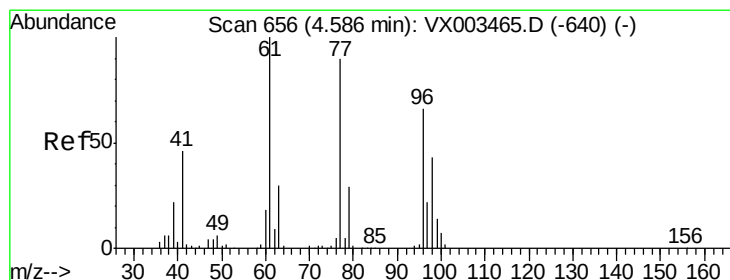
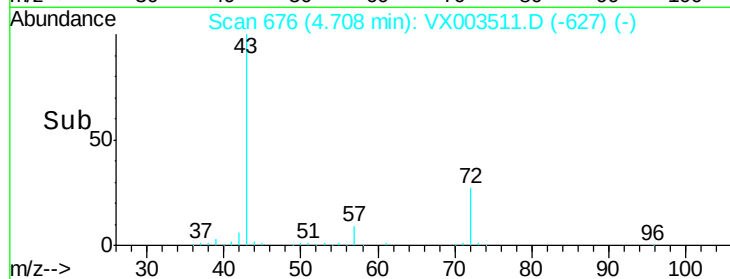
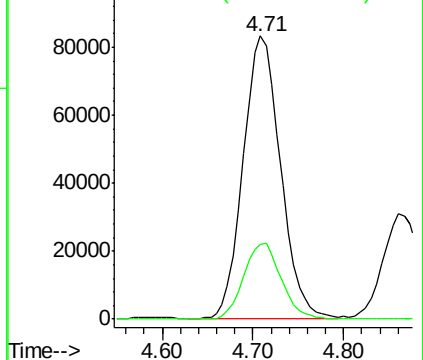
43 100

72 26.5 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 17.32 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX003511.D

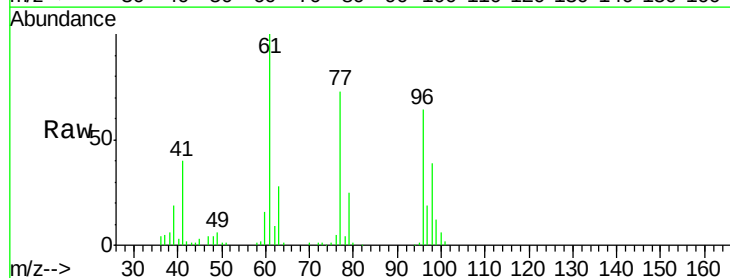
Acq: 20 Jul 2018 16:05

Tgt Ion: 77 Resp: 78217

Ion Ratio Lower Upper

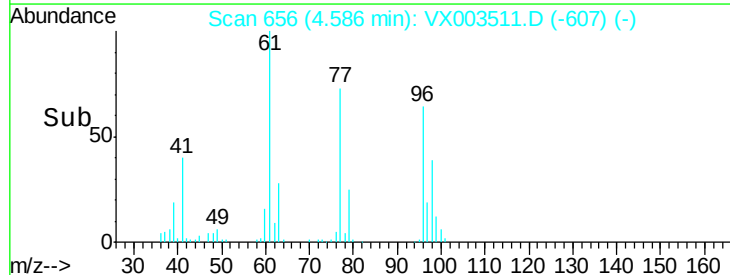
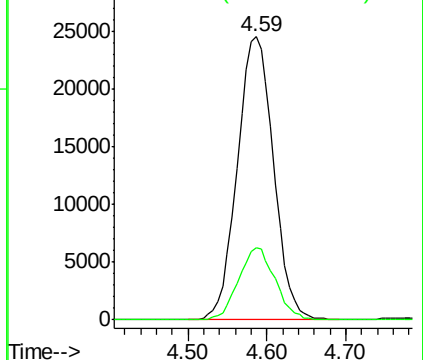
77 100

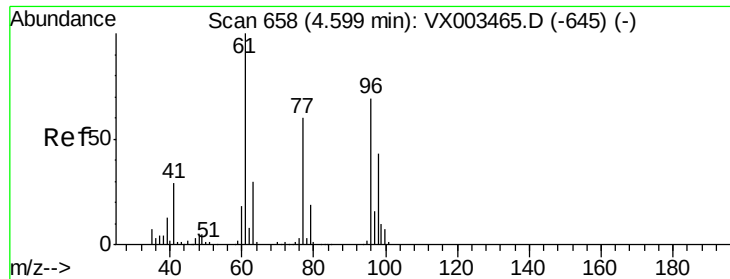
97 25.7 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



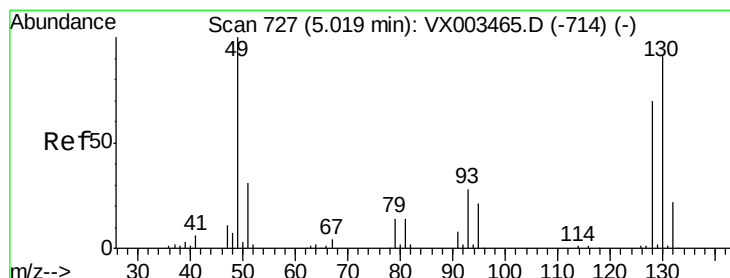
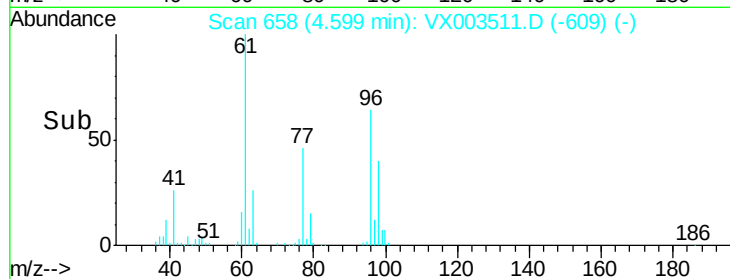
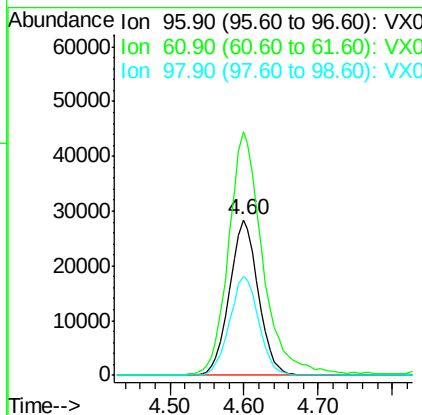
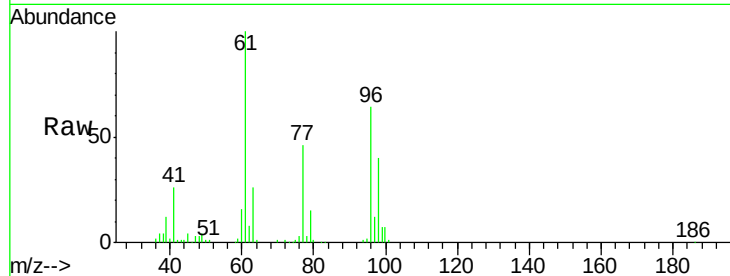


#27

cis-1,2-Dichloroethene
 Concen: 20.40 ug/l
 RT: 4.60 min Scan# 658
 Delta R.T. 0.00 min
 Lab File: VX003511.D
 Acq: 20 Jul 2018 16:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0720WBS02

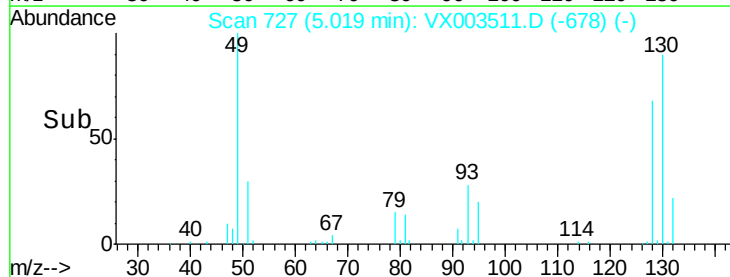
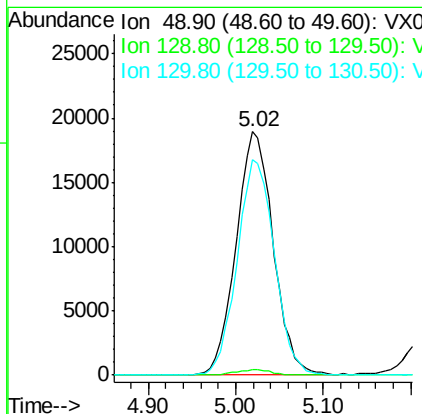
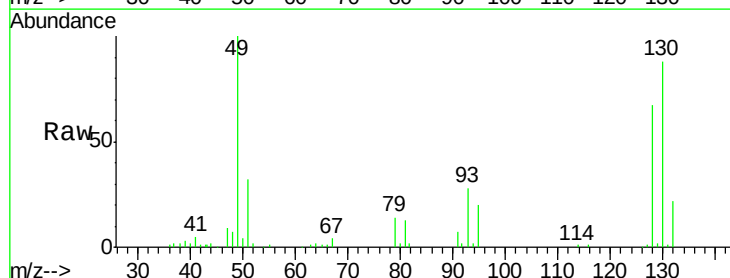
Tot Ion	96	Resp	76899
Ion	Ratio	Lower	Upper
96	100		
61	184.6	0.0	330.2
98	64.5	0.0	130.2

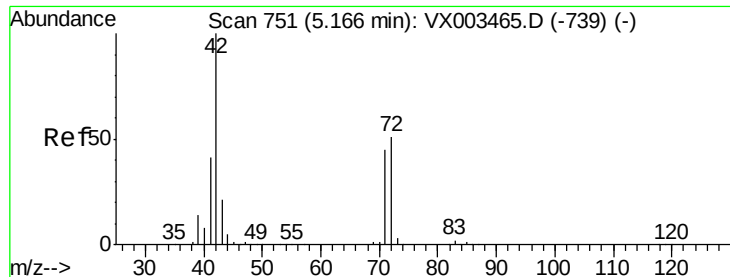


#28

Bromochloromethane
 Concen: 21.53 ug/l
 RT: 5.02 min Scan# 727
 Delta R.T. 0.00 min
 Lab File: VX003511.D
 Acq: 20 Jul 2018 16:05

Tgt Ion	49	Resp	55943
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.2
130	88.6	61.2	91.8

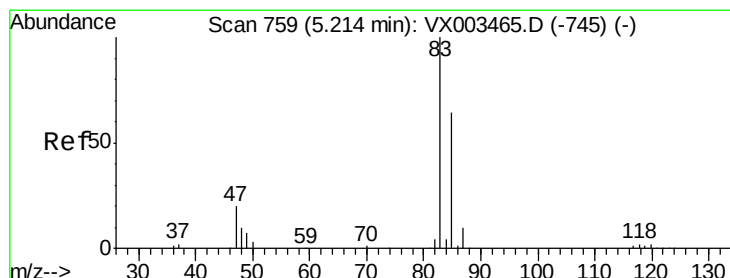
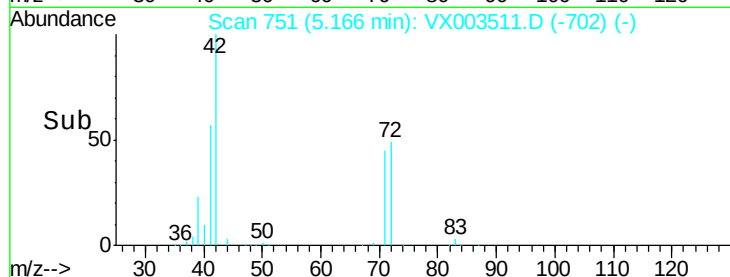
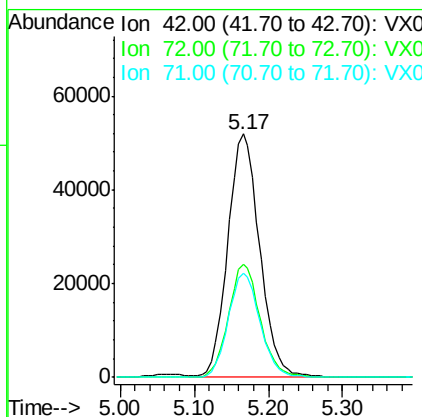
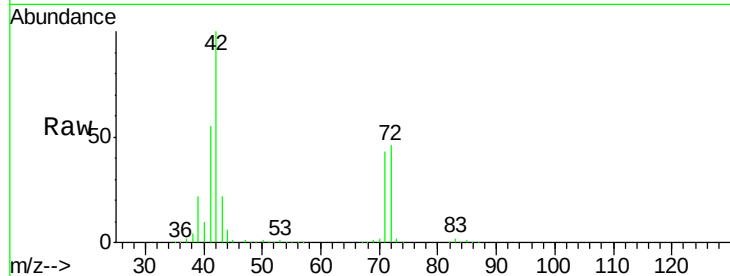




#29
Tetrahydrofuran
Concen: 104.94 ug/l
RT: 5.17 min Scan# 751
Delta R.T. 0.00 min
Lab File: VX003511.D
Acq: 20 Jul 2018 16:05

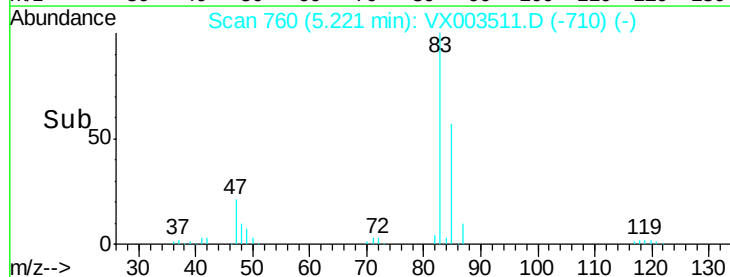
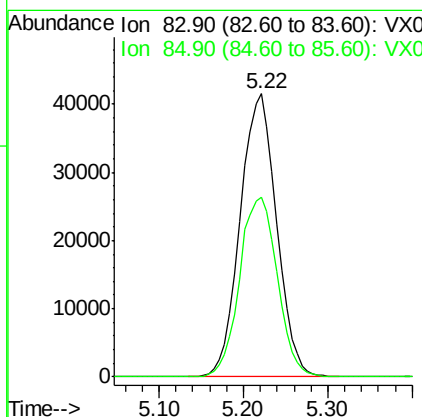
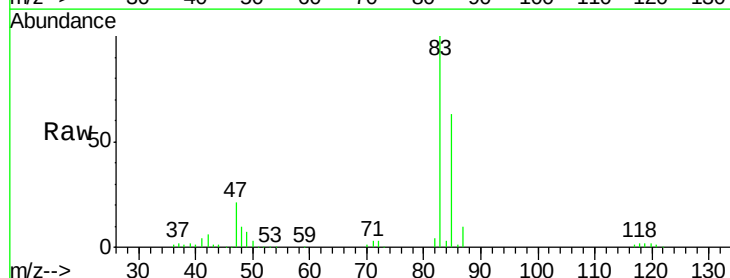
Instrument :
MSVOA_X
ClientSampleId :
VX0720WBS02

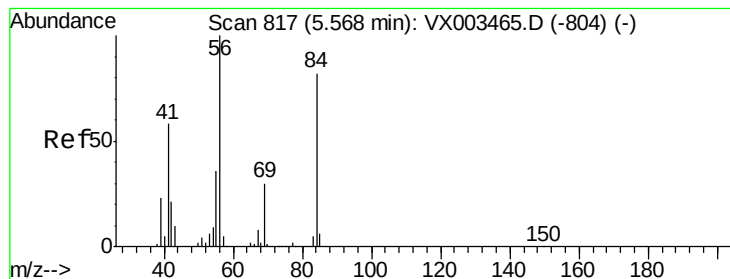
Tot Ion: 42 Resp: 154907
Ion Ratio Lower Upper
42 100
72 46.3 32.0 48.0
71 43.0 30.1 45.1



#30
Chloroform
Concen: 20.94 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX003511.D
Acq: 20 Jul 2018 16:05

Tgt Ion: 83 Resp: 121555
Ion Ratio Lower Upper
83 100
85 63.4 50.4 75.6





#31

Cyclohexane

Concen: 20.09 ug/l

RT: 5.57 min Scan# 818

Delta R.T. 0.01 min

Lab File: VX003511.D

Acq: 20 Jul 2018 16:05

Instrument :

MSVOA_X

ClientSampleId :

VX0720WBS02

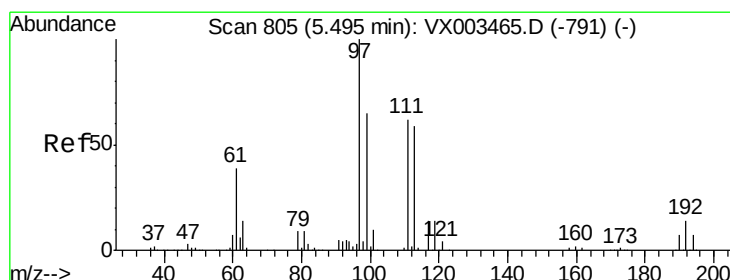
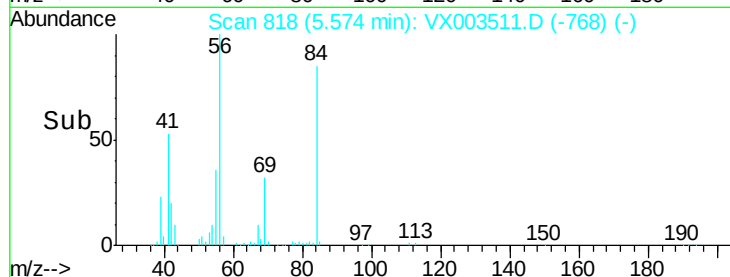
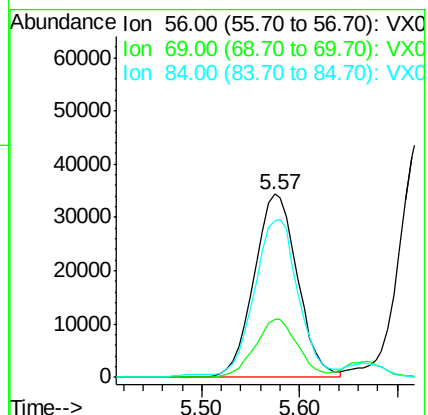
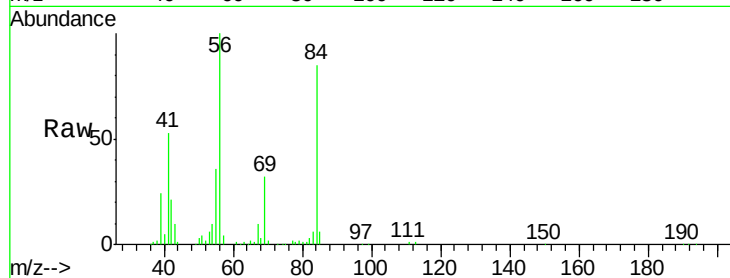
Tot Ion: 56 Resp: 106734

Ion Ratio Lower Upper

56 100

69 31.5 23.7 35.5

84 83.9 64.1 96.1



#32

1,1,1-Trichloroethane

Concen: 20.82 ug/l

RT: 5.49 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX003511.D

Acq: 20 Jul 2018 16:05

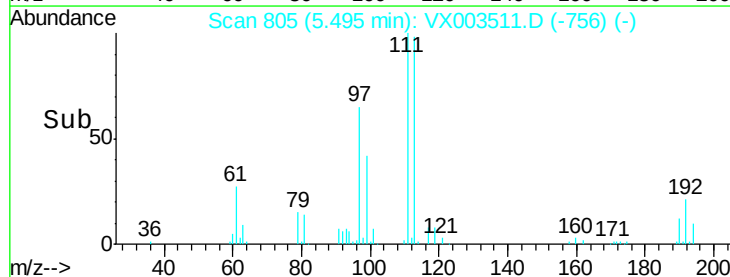
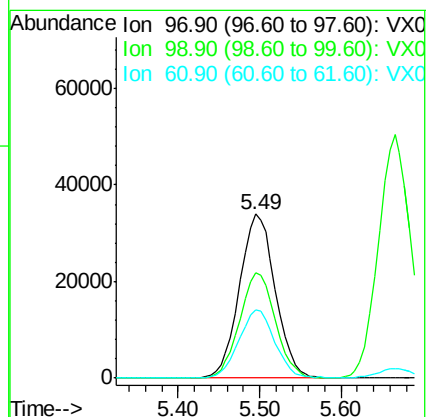
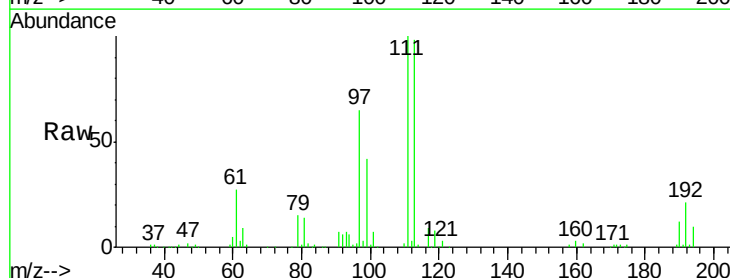
Tgt Ion: 97 Resp: 103503

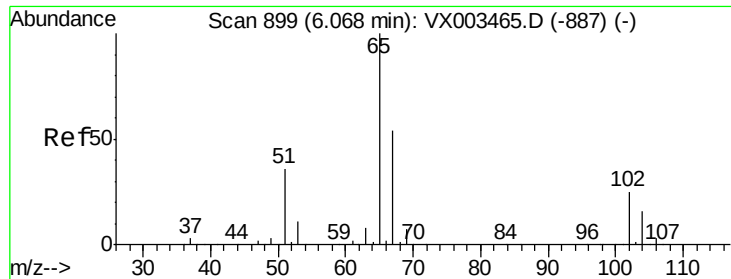
Ion Ratio Lower Upper

97 100

99 64.3 51.6 77.4

61 41.6 36.4 54.6

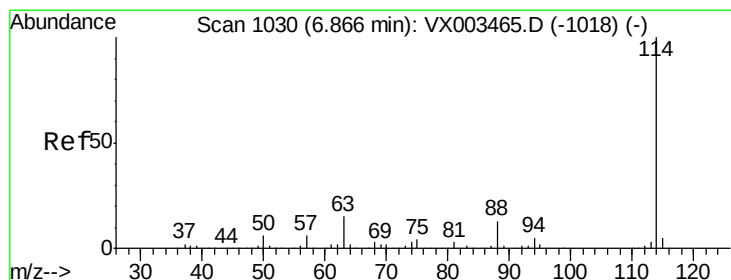
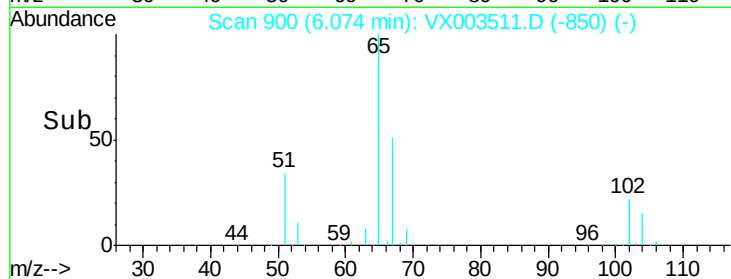
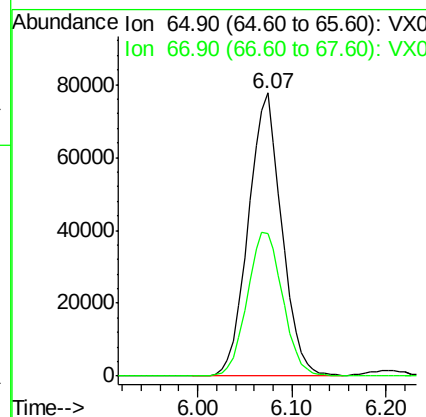
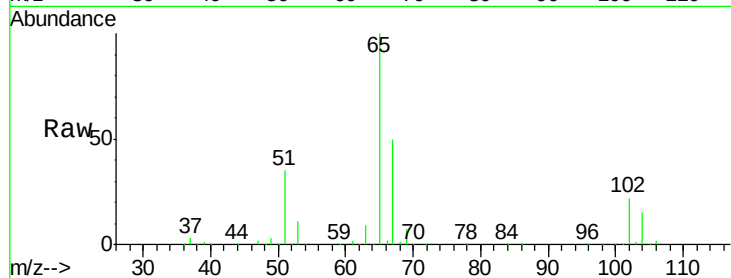




#33
 1,2-Dichloroethane-d4
 Concen: 54.64 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VX003511.D
 Acq: 20 Jul 2018 16:05

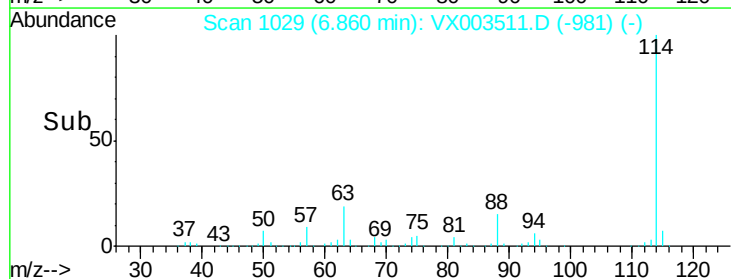
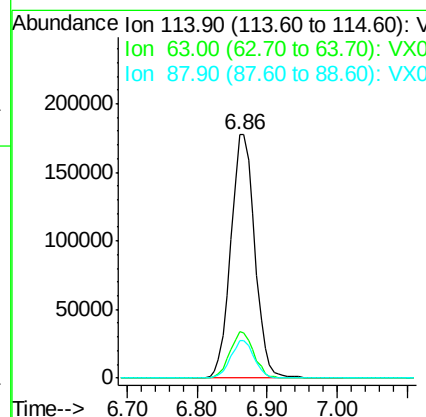
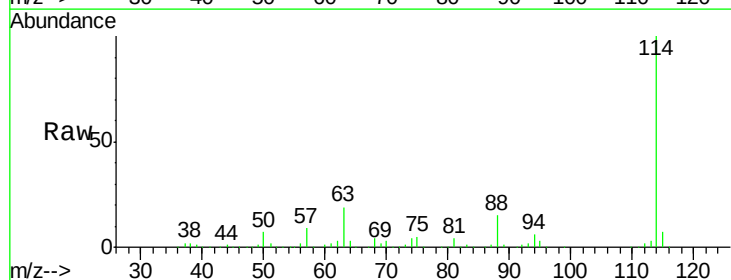
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0720WBS02

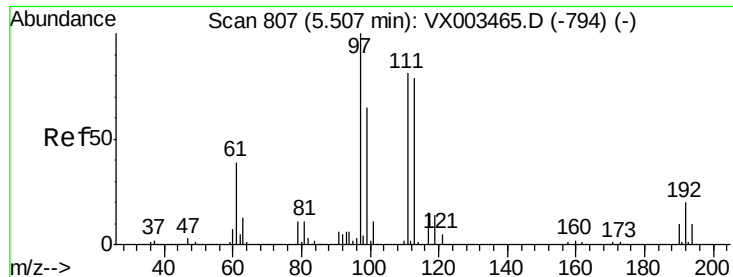
Tot Ion: 65 Resp: 192644
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: VX003511.D
 Acq: 20 Jul 2018 16:05

Tgt Ion: 114 Resp: 423671
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 41.4
 88 15.4 0.0 30.0





#35

Dibromofluoromethane

Concen: 53.18 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX003511.D

Acq: 20 Jul 2018 16:05

Instrument :

MSVOA_X

ClientSampleId :

VX0720WBS02

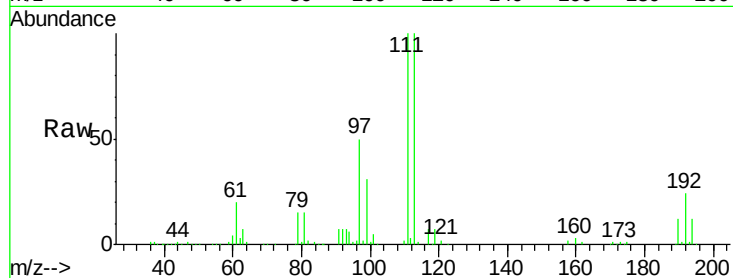
Tot Ion:113 Resp: 171605

Ion Ratio Lower Upper

113 100

111 101.9 81.4 122.0

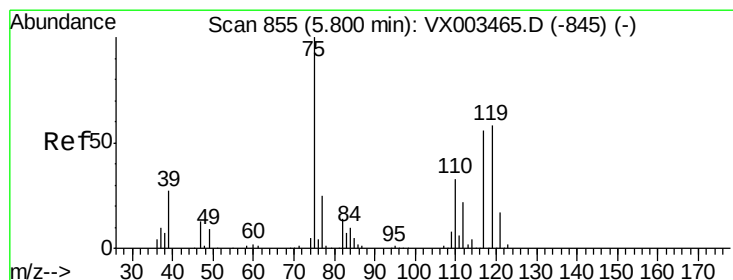
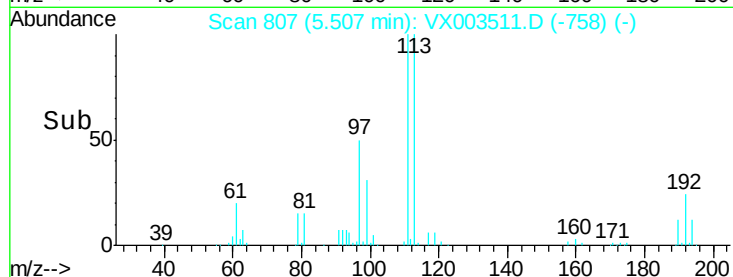
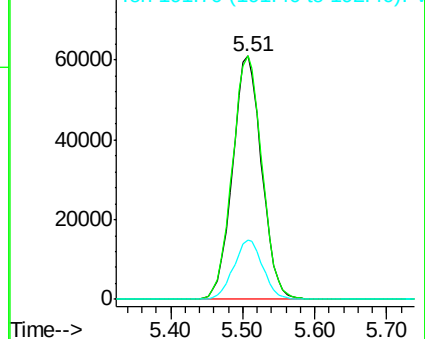
192 24.3 19.1 28.7



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: 20.04 ug/l

RT: 5.80 min Scan# 855

Delta R.T. 0.00 min

Lab File: VX003511.D

Acq: 20 Jul 2018 16:05

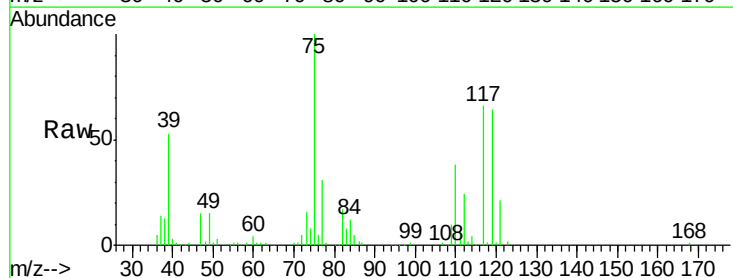
Tgt Ion: 75 Resp: 91683

Ion Ratio Lower Upper

75 100

110 37.8 18.1 54.4

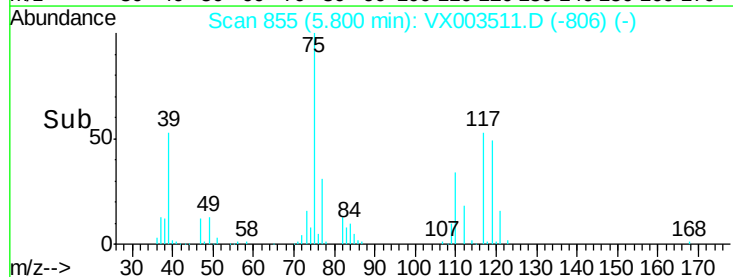
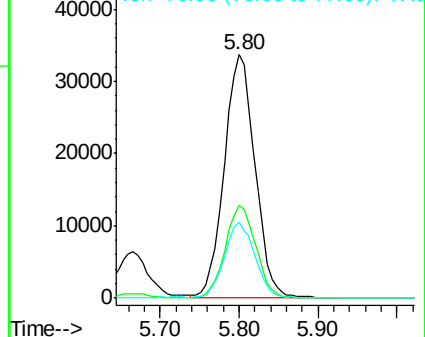
77 31.1 24.3 36.5

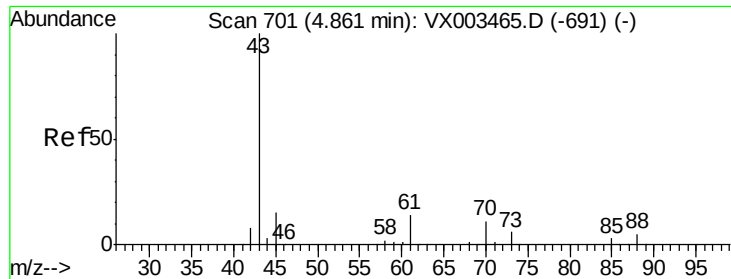


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

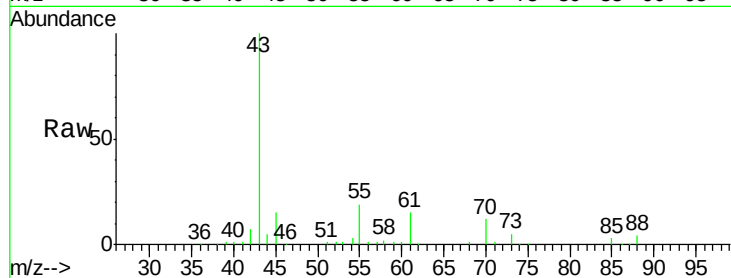




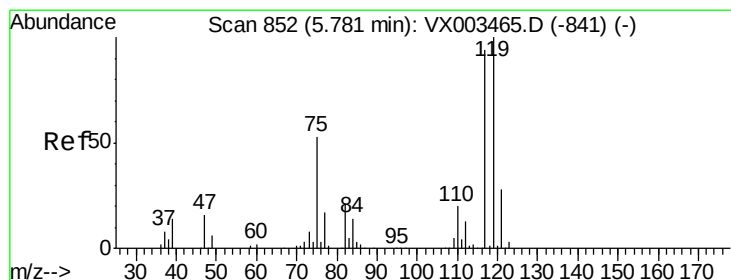
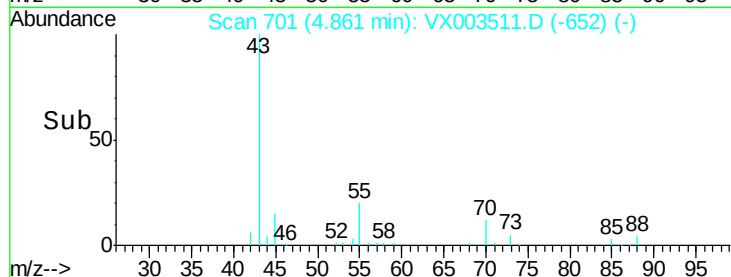
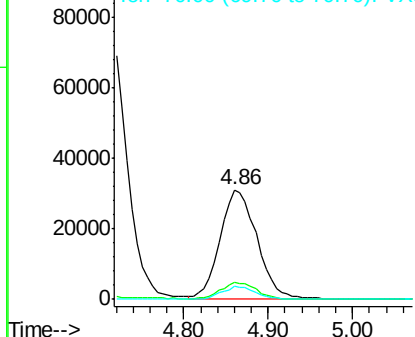
#37
Ethyl Acetate
Concen: 21.27 ug/l
RT: 4.86 min Scan# 701
Delta R.T. 0.00 min
Lab File: VX003511.D
Acq: 20 Jul 2018 16:05

Instrument :
MSVOA_X
ClientSampled :
VX0720WBS02

Tot Ion: 43 Resp: 92078
Ion Ratio Lower Upper
43 100
61 14.8 10.4 15.6
70 11.0 7.6 11.4

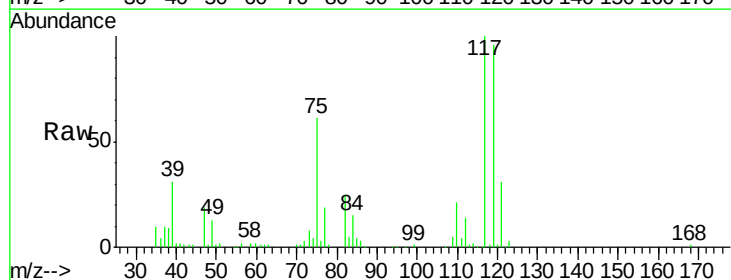


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

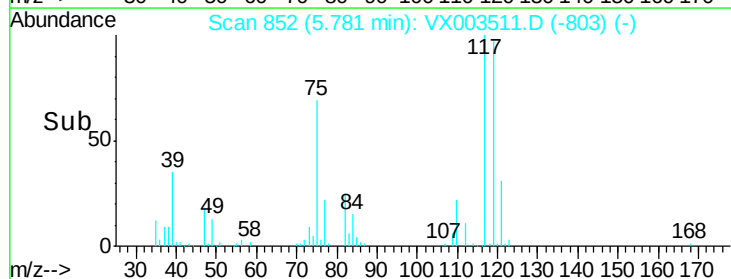
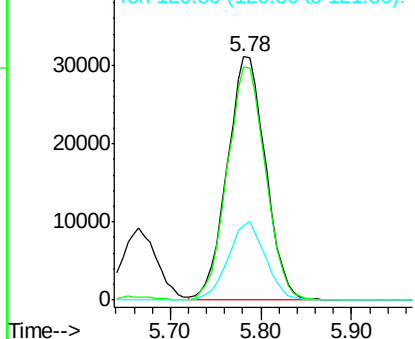


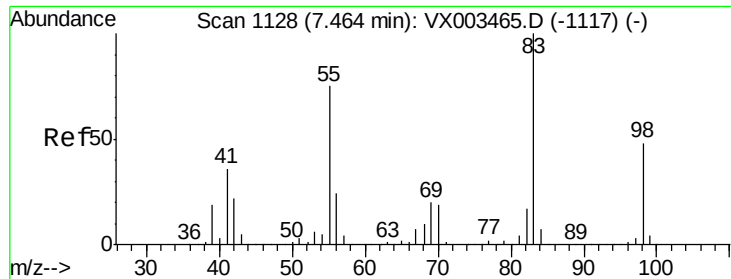
#38
Carbon Tetrachloride
Concen: 20.36 ug/l
RT: 5.78 min Scan# 852
Delta R.T. 0.00 min
Lab File: VX003511.D
Acq: 20 Jul 2018 16:05

Tgt Ion: 117 Resp: 91335
Ion Ratio Lower Upper
117 100
119 95.9 77.4 116.0
121 30.5 24.4 36.6



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

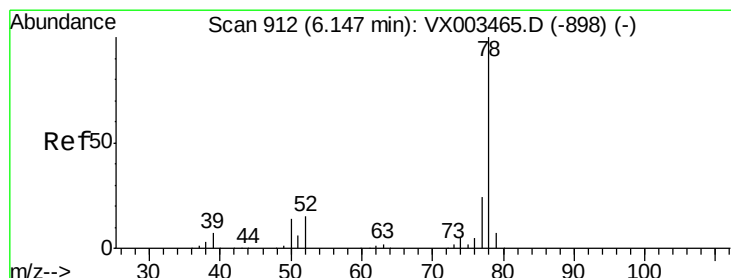
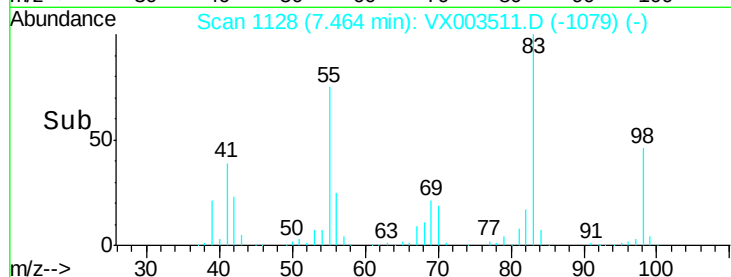
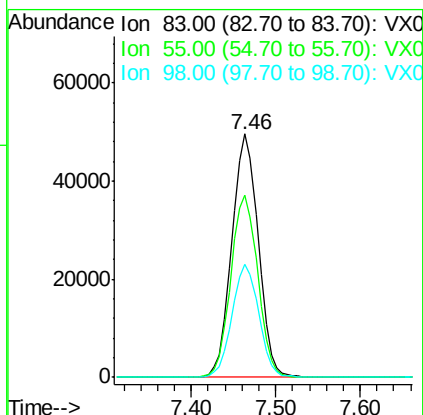
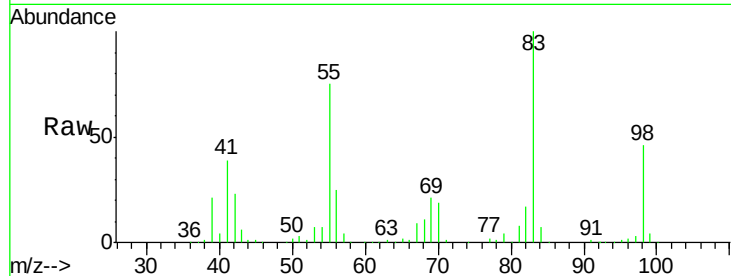




#39
Methylvlcyclohexane
Concen: 19.46 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX003511.D
Acq: 20 Jul 2018 16:05

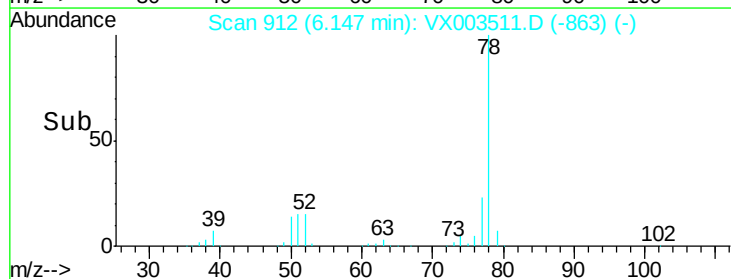
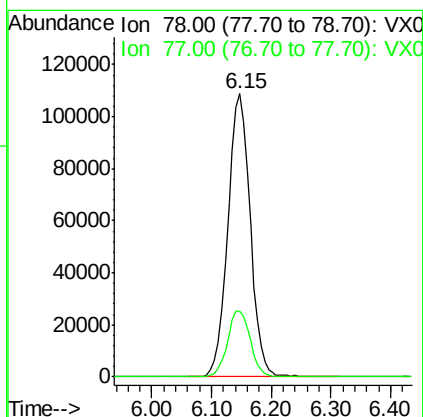
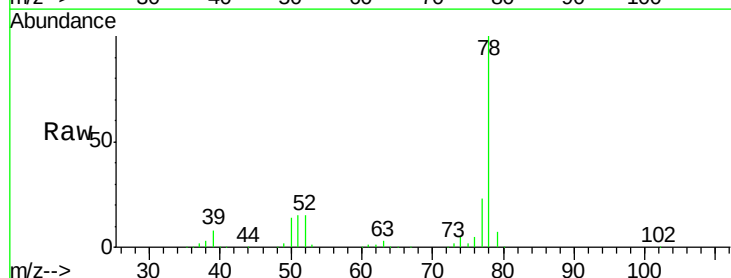
Instrument :
MSVOA_X
ClientSampleId :
VX0720WBS02

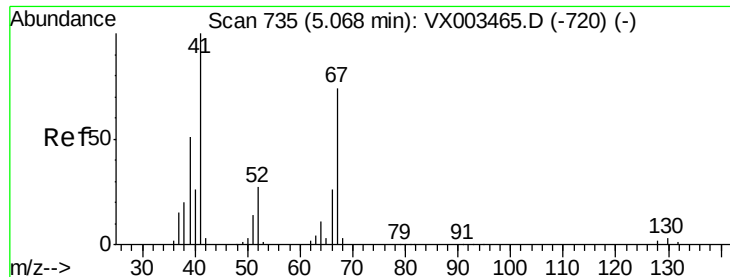
Tot Ion: 83 Resp: 105442
Ion Ratio Lower Upper
83 100
55 74.7 65.4 98.0
98 46.4 37.4 56.0



#40
Benzene
Concen: 20.59 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX003511.D
Acq: 20 Jul 2018 16:05

Tgt Ion: 78 Resp: 284369
Ion Ratio Lower Upper
78 100
77 23.1 19.1 28.7

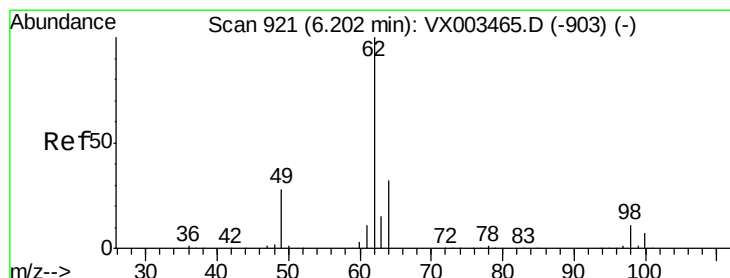
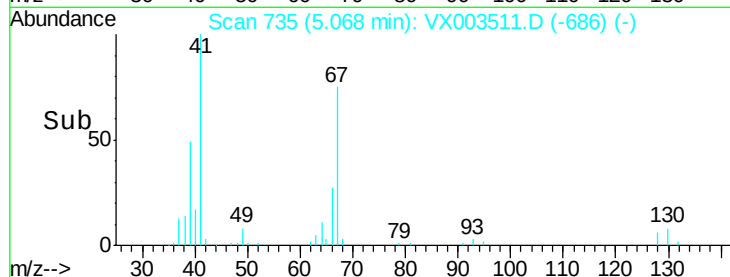
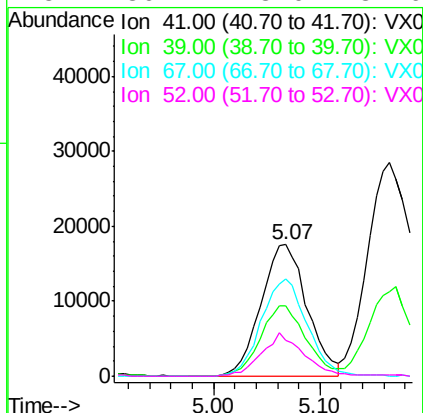
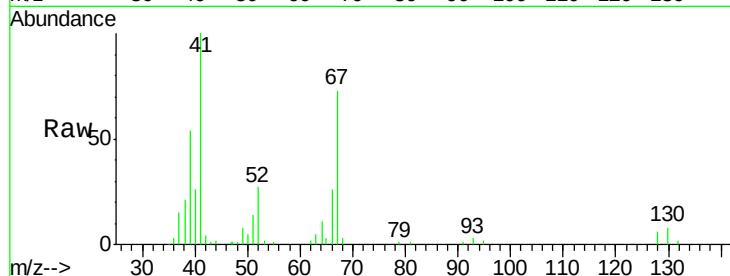




#41
Methacrylonitrile
Concen: 20.81 ug/l
RT: 5.07 min Scan# 735
Delta R.T. 0.00 min
Lab File: VX003511.D
Acq: 20 Jul 2018 16:05

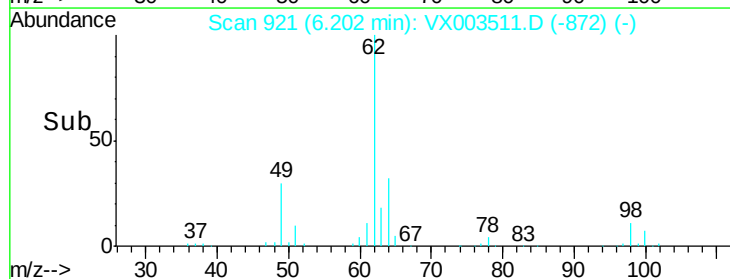
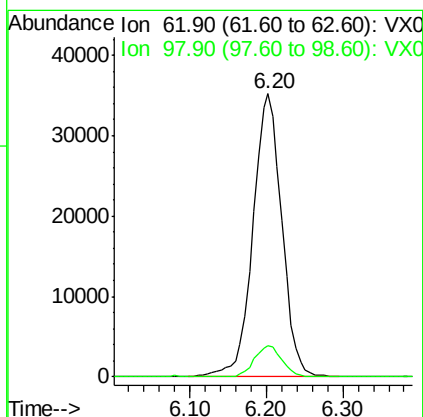
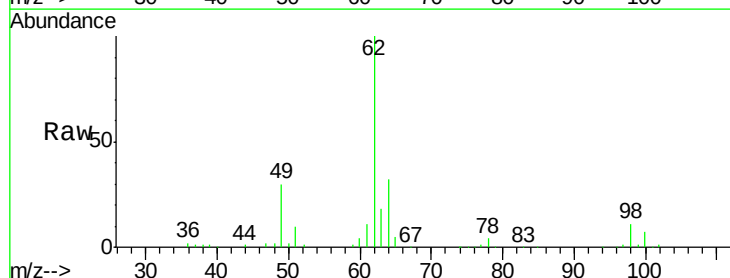
Instrument :
MSVOA_X
ClientSampleId :
VX0720WBS02

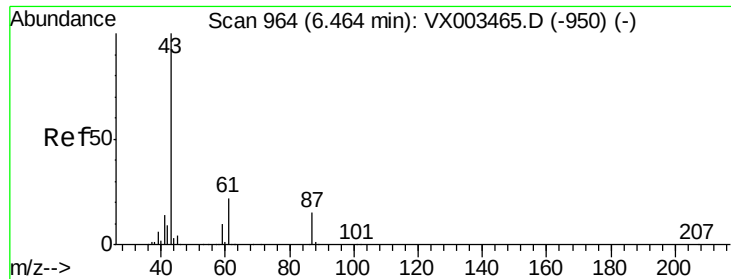
Tot Ion:	41	Resp:	52948
Ion	Ratio	Lower	Upper
41	100		
39	53.1	45.8	68.6
67	73.8	51.3	76.9
52	30.4	23.0	34.6



#42
1,2-Dichloroethane
Concen: 21.32 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX003511.D
Acq: 20 Jul 2018 16:05

Tgt Ion:	62	Resp:	92757
Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	16.6



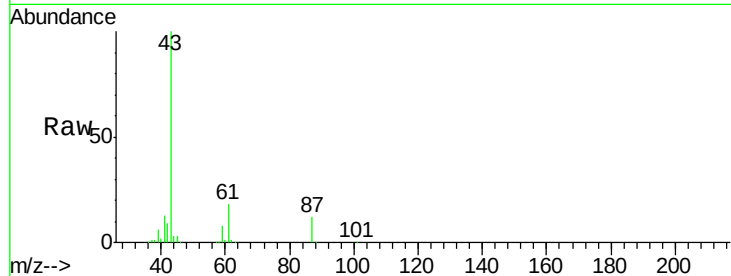


#43

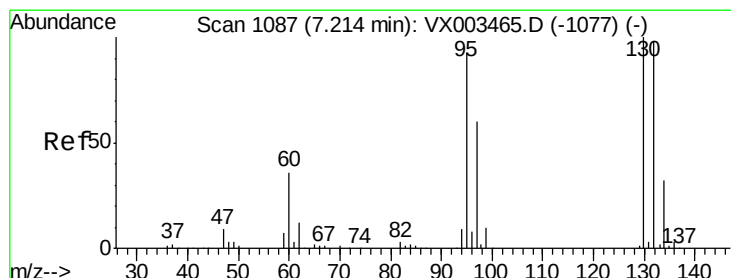
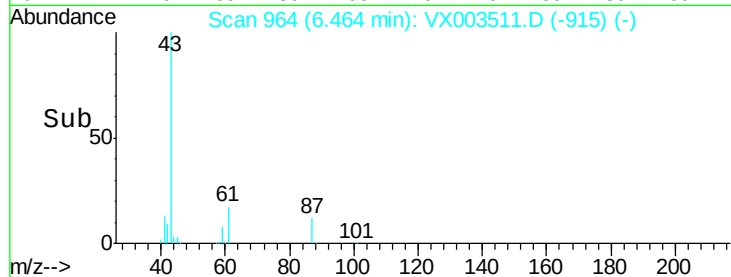
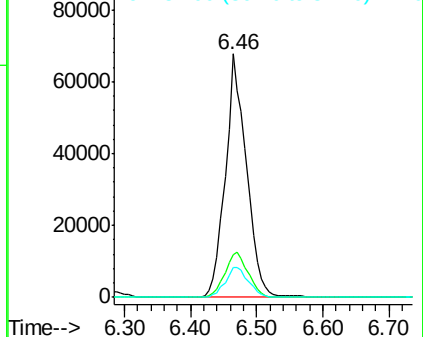
Isopropyl Acetate
 Concen: 21.63 ug/l
 RT: 6.46 min Scan# 964
 Delta R.T. 0.00 min
 Lab File: VX003511.D
 Acq: 20 Jul 2018 16:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0720WBS02

Tot Ion: 43 Resp: 148910
 Ion Ratio Lower Upper
 43 100
 61 20.6 14.4 21.6
 87 13.6 9.5 14.3



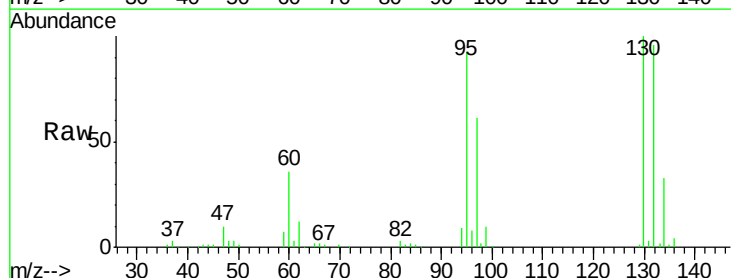
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



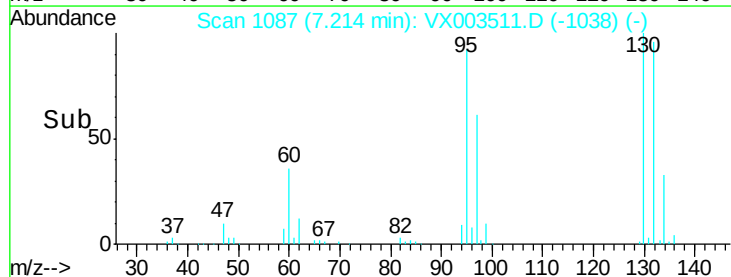
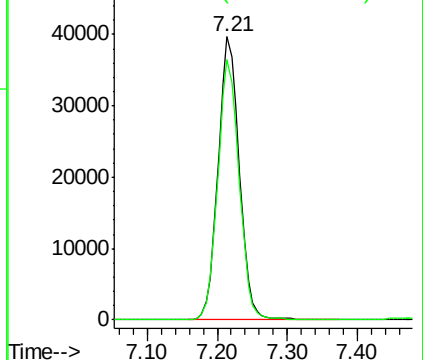
#44

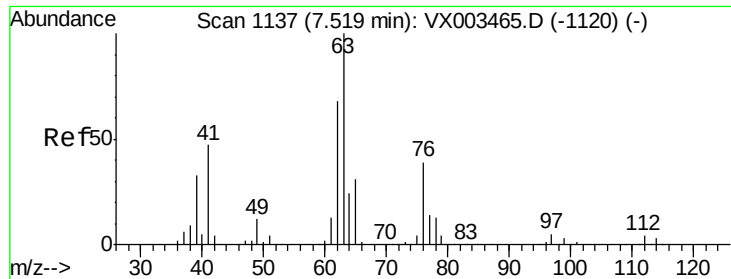
Trichloroethene
 Concen: 20.33 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. 0.00 min
 Lab File: VX003511.D
 Acq: 20 Jul 2018 16:05

Tgt Ion: 130 Resp: 83735
 Ion Ratio Lower Upper
 130 100
 95 91.9 0.0 185.4



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

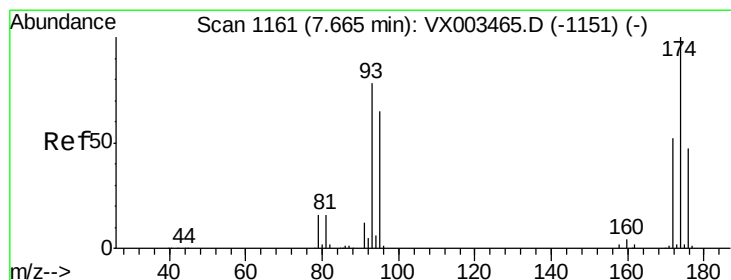
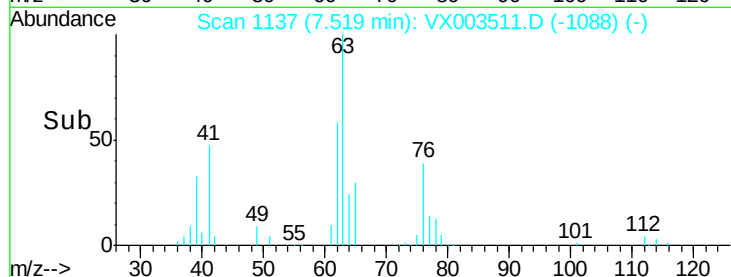
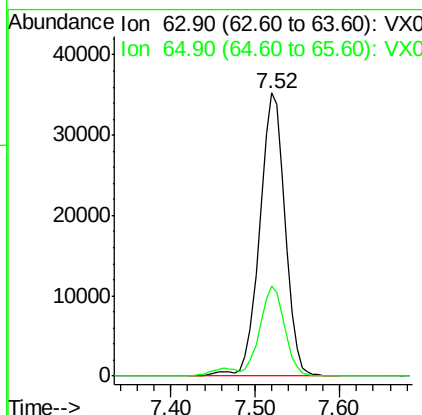
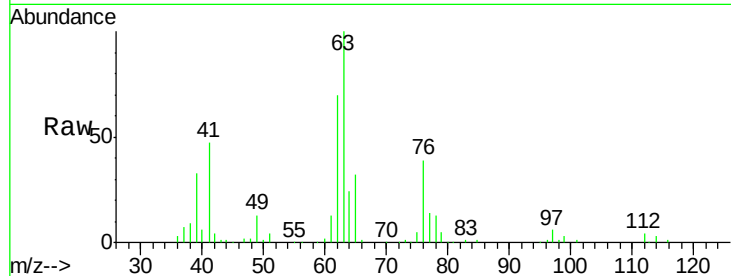




#45
 1,2-Dichloropropane
 Concen: 20.87 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. 0.00 min
 Lab File: VX003511.D
 Acq: 20 Jul 2018 16:05

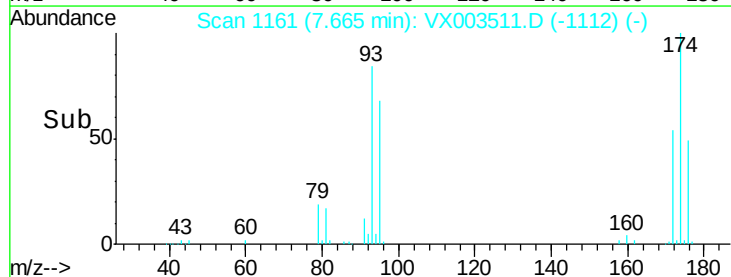
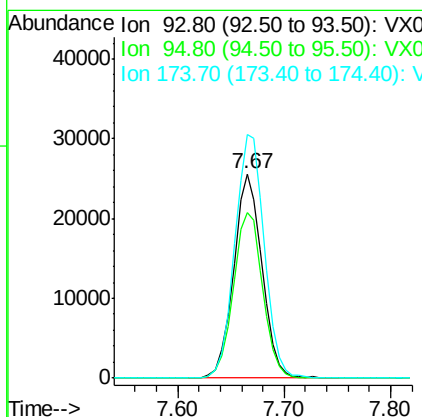
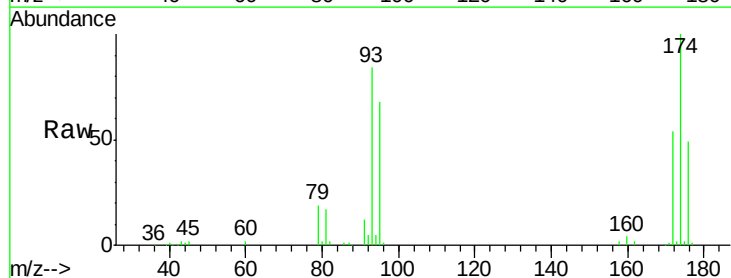
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0720WBS02

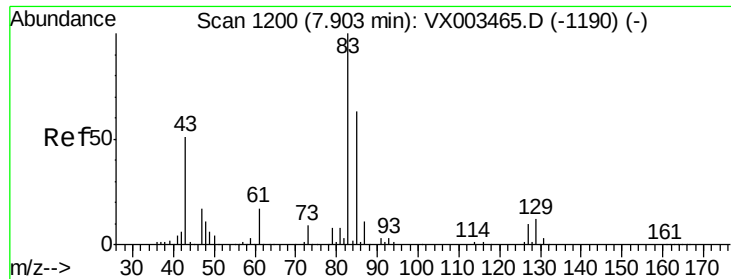
Tot Ion: 63 Resp: 73181
 Ion Ratio Lower Upper
 63 100
 65 31.7 24.7 37.1



#46
 Dibromomethane
 Concen: 21.10 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. 0.00 min
 Lab File: VX003511.D
 Acq: 20 Jul 2018 16:05

Tgt Ion: 93 Resp: 47638
 Ion Ratio Lower Upper
 93 100
 95 84.6 65.9 98.9
 174 124.4 92.4 138.6





#47

Bromodichloromethane

Concen: 21.13 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX003511.D

Acq: 20 Jul 2018 16:05

Instrument :

MSVOA_X

ClientSampleId :

VX0720WBS02

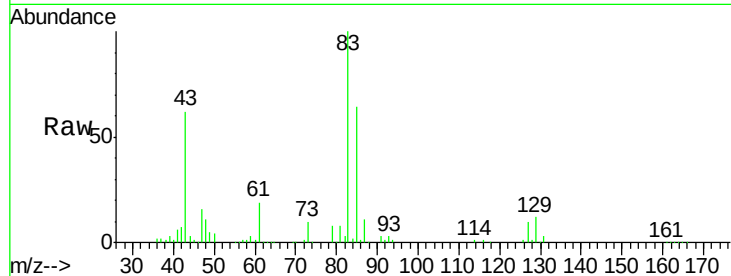
Tot Ion: 83 Resp: 87314

Ion Ratio Lower Upper

83 100

85 64.1 50.3 75.5

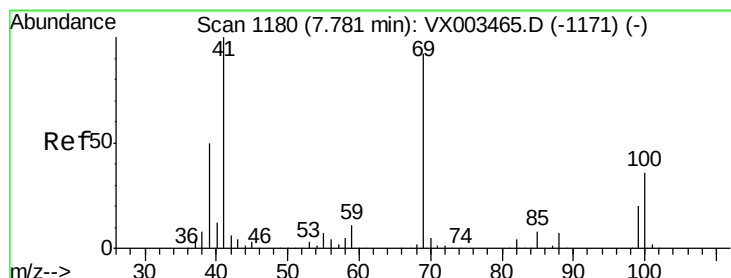
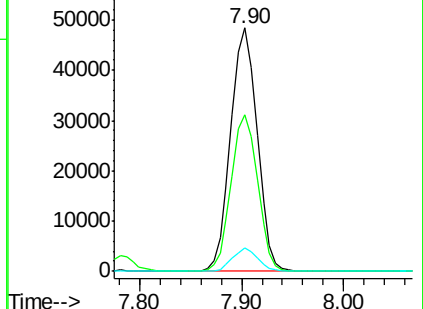
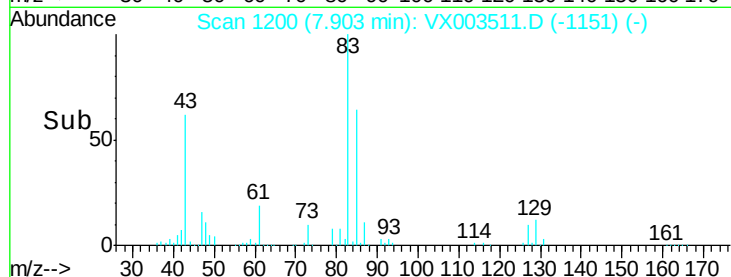
127 9.6 7.0 10.4



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: 21.31 ug/l

RT: 7.78 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VX003511.D

Acq: 20 Jul 2018 16:05

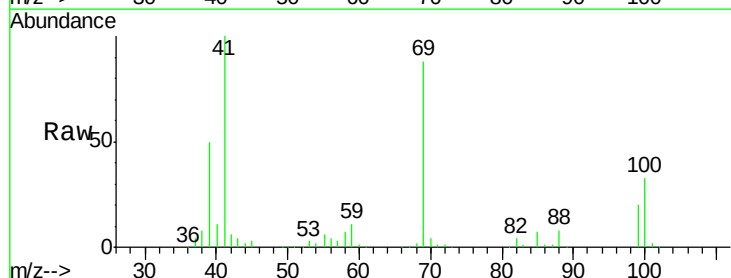
Tgt Ion: 41 Resp: 73996

Ion Ratio Lower Upper

41 100

69 89.3 59.1 88.7#

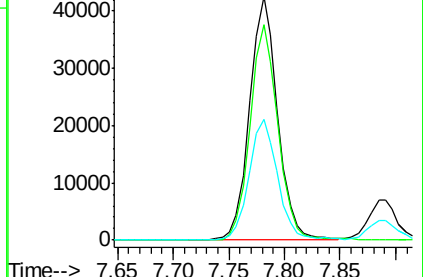
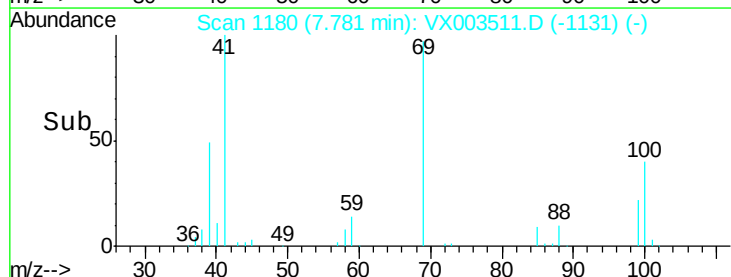
39 51.3 48.9 73.3

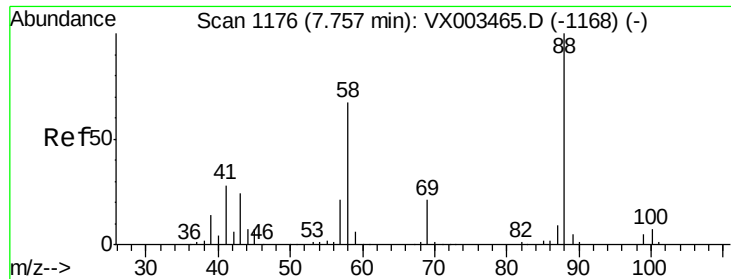


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

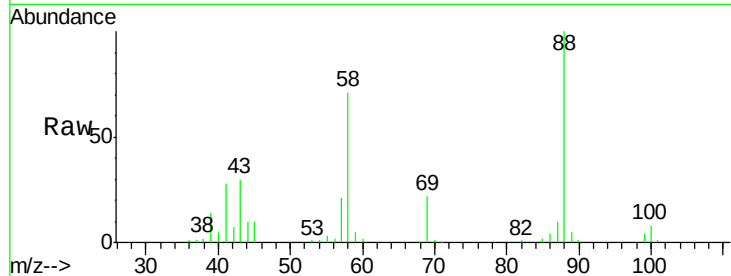




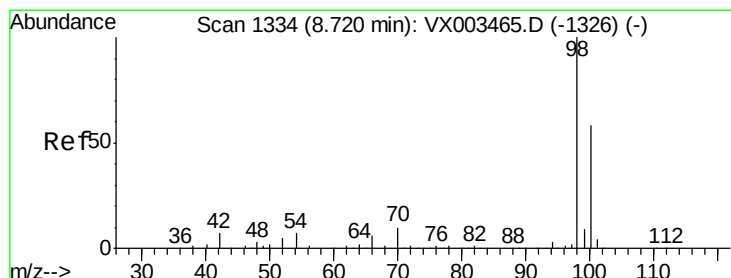
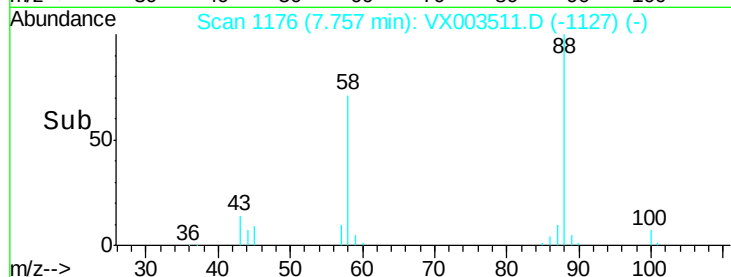
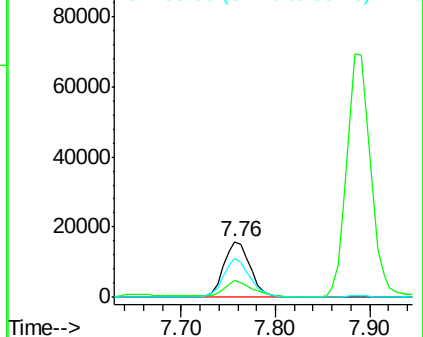
#49
1,4-Dioxane
Concen: 393.36 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. 0.00 min
Lab File: VX003511.D
Acq: 20 Jul 2018 16:05

Instrument :
MSVOA_X
ClientSampleId :
VX0720WBS02

Tot Ion: 88 Resp: 30948
Ion Ratio Lower Upper
88 100
43 31.8 29.8 44.6
58 70.9 57.1 85.7

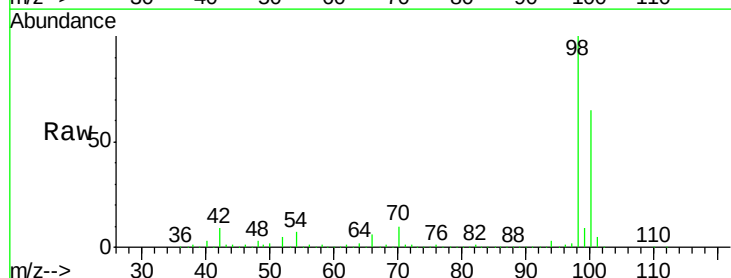


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

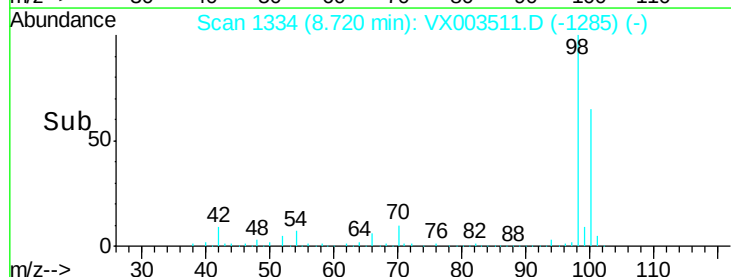
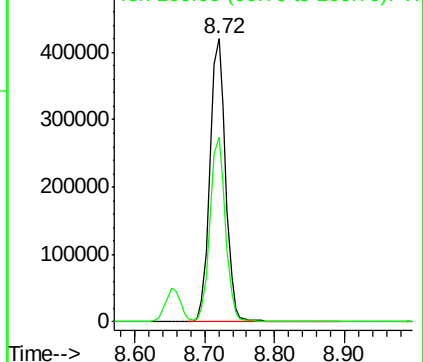


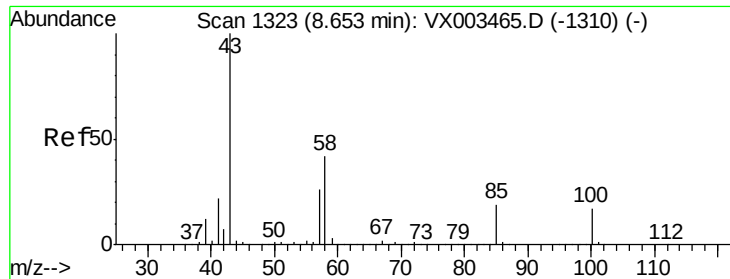
#50
Toluene-d8
Concen: 54.05 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003511.D
Acq: 20 Jul 2018 16:05

Tgt Ion: 98 Resp: 655549
Ion Ratio Lower Upper
98 100
100 64.6 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: 108.92 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VX003511.D

Acq: 20 Jul 2018 16:05

Instrument :

MSVOA_X

ClientSampleId :

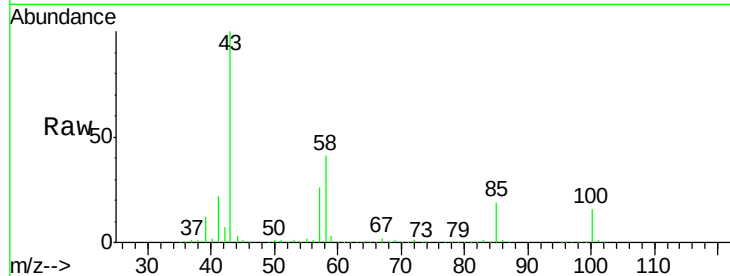
VX0720WBS02

Tot Ion: 43 Resp: 473780

Ion Ratio Lower Upper

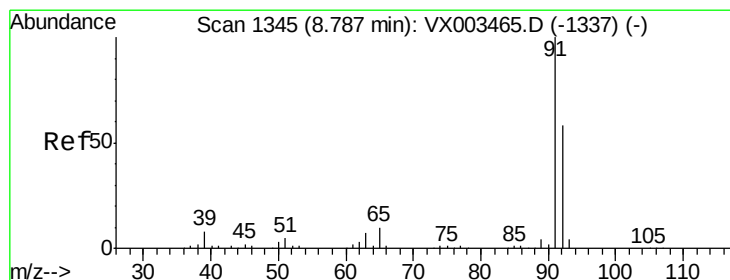
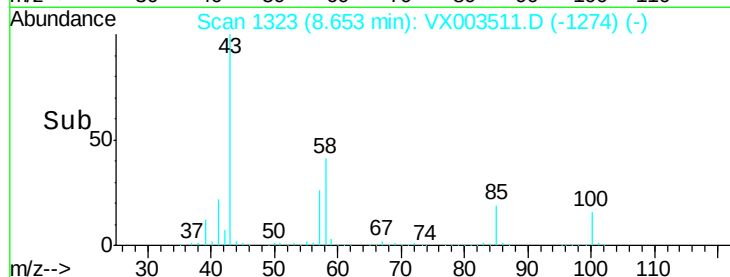
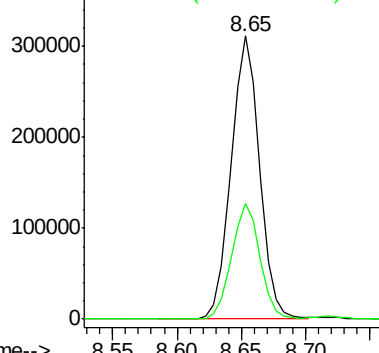
43 100

58 40.7 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 20.75 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX003511.D

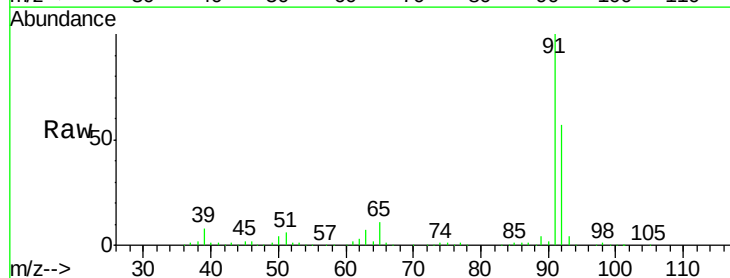
Acq: 20 Jul 2018 16:05

Tgt Ion: 92 Resp: 180428

Ion Ratio Lower Upper

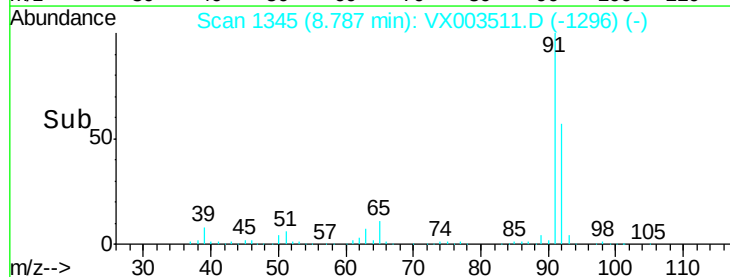
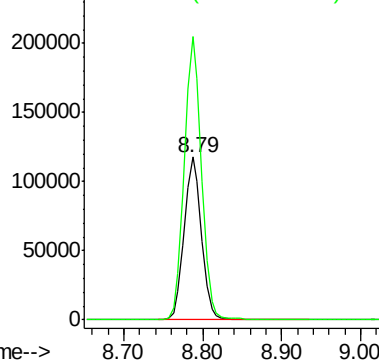
92 100

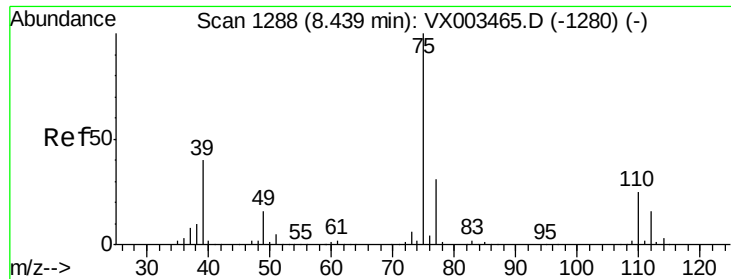
91 173.8 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 20.61 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VX003511.D

Acq: 20 Jul 2018 16:05

Instrument :

MSVOA_X

ClientSampleId :

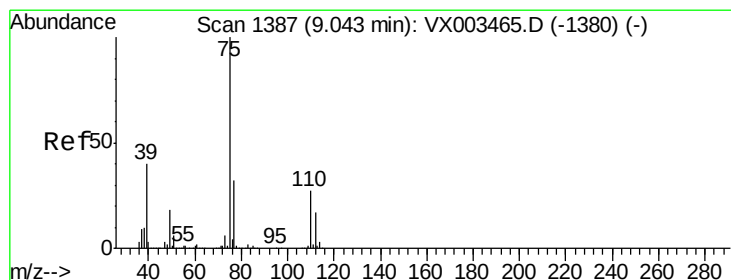
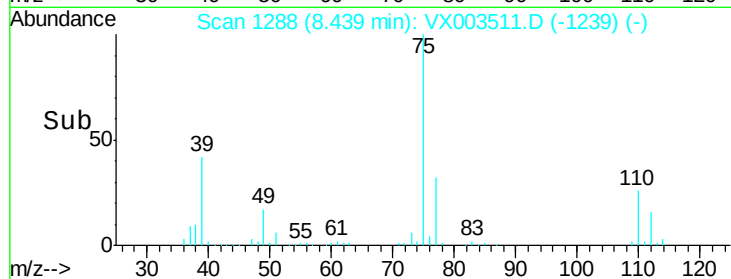
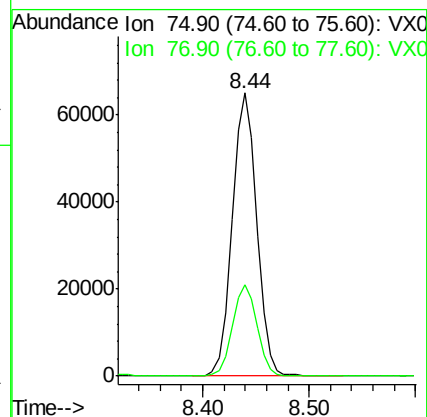
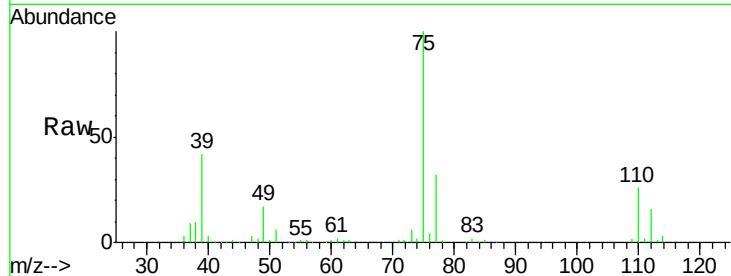
VX0720WBS02

Tot Ion: 75 Resp: 104860

Ion Ratio Lower Upper

75 100

77 32.1 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 20.38 ug/l

RT: 9.04 min Scan# 1387

Delta R.T. 0.00 min

Lab File: VX003511.D

Acq: 20 Jul 2018 16:05

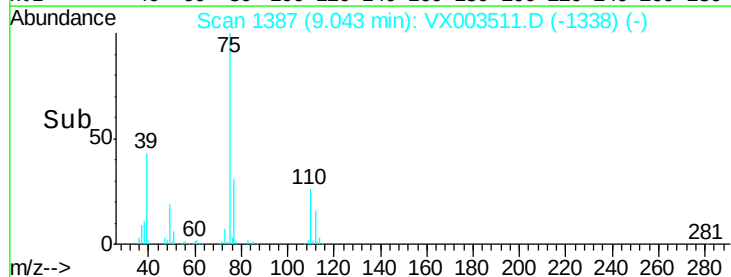
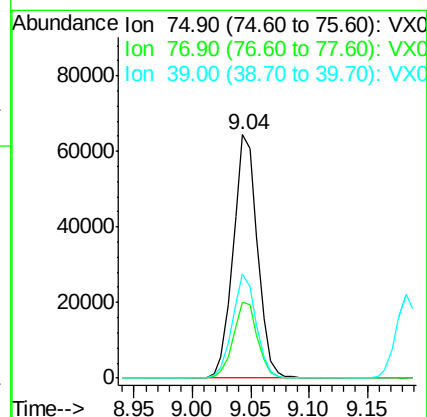
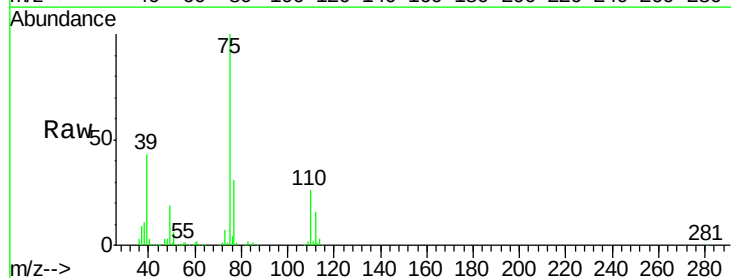
Tgt Ion: 75 Resp: 93248

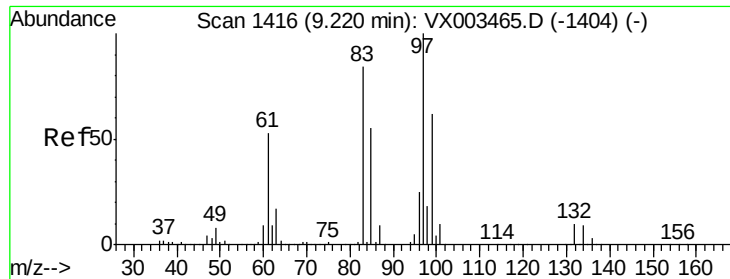
Ion Ratio Lower Upper

75 100

77 30.9 24.8 37.2

39 42.7 42.4 63.6



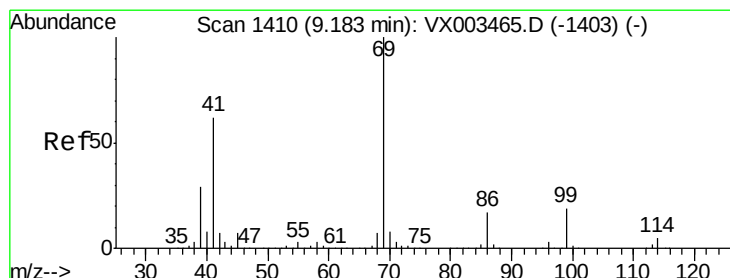
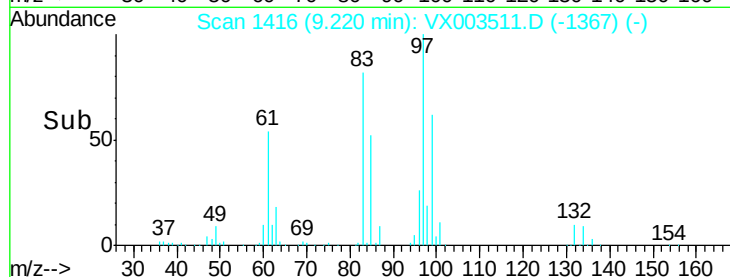
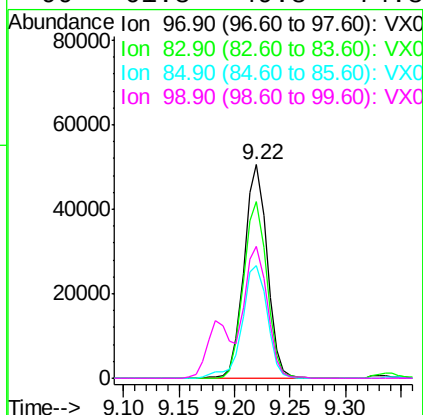
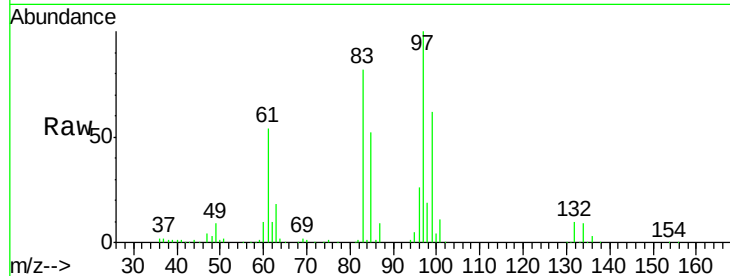


#55
 1,1,2-Trichloroethane
 Concen: 21.14 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX003511.D
 Acq: 20 Jul 2018 16:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0720WBS02

Tot Ion: 97 Resp: 73117

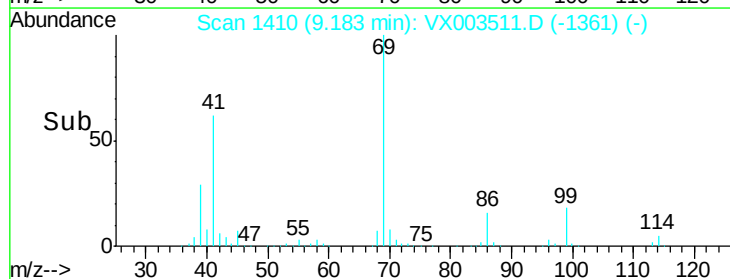
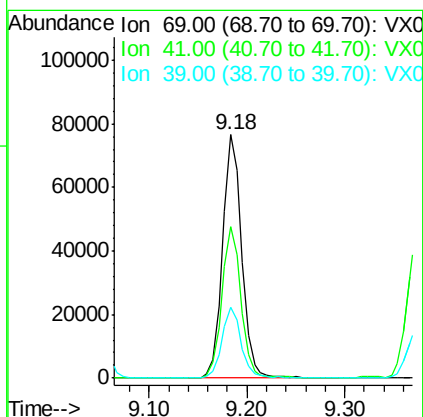
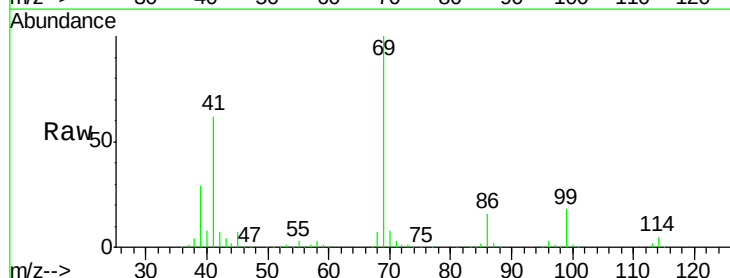
Ion	Ratio	Lower	Upper
97	100		
83	82.5	70.2	105.2
85	52.5	44.9	67.3
99	61.8	49.8	74.8

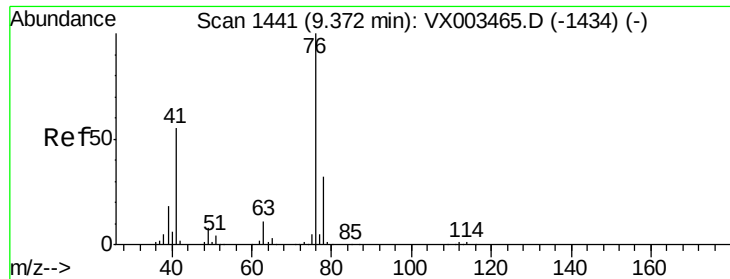


#56
 Ethyl methacrylate
 Concen: 21.36 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX003511.D
 Acq: 20 Jul 2018 16:05

Tgt Ion: 69 Resp: 104076

Ion	Ratio	Lower	Upper
69	100		
41	62.1	60.3	90.5
39	29.1	35.8	53.8#

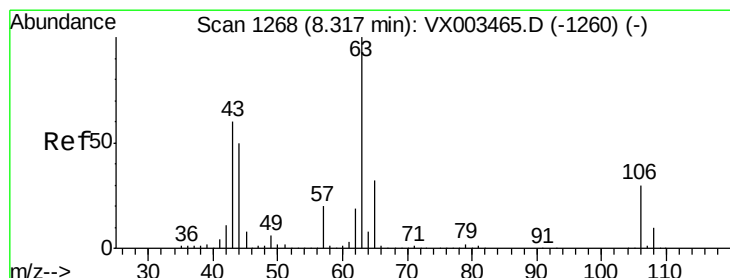
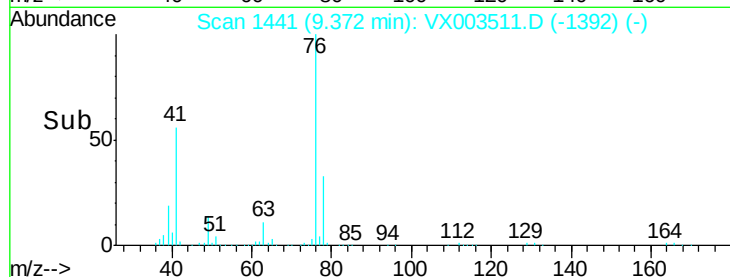
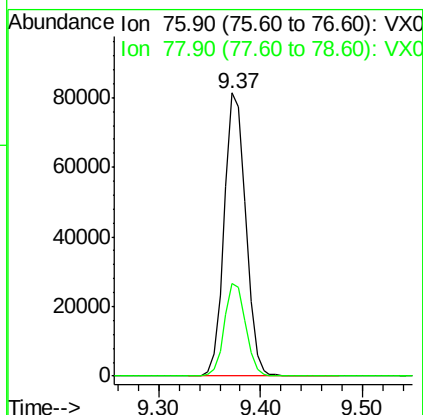
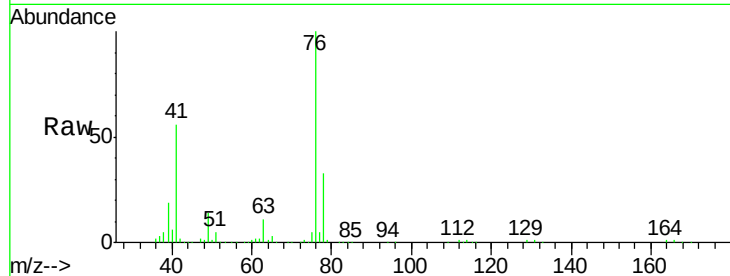




#57
 1,3-Dichloropropane
 Concen: 21.30 ug/l
 RT: 9.37 min Scan# 1441
 Delta R.T. 0.00 min
 Lab File: VX003511.D
 Acq: 20 Jul 2018 16:05

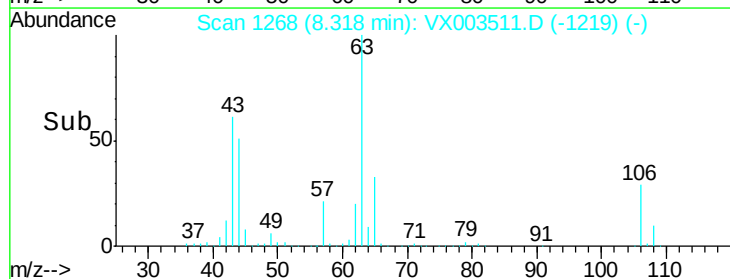
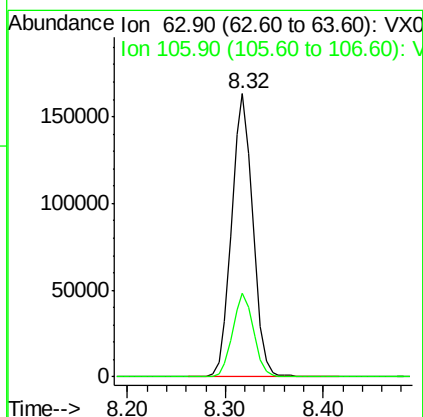
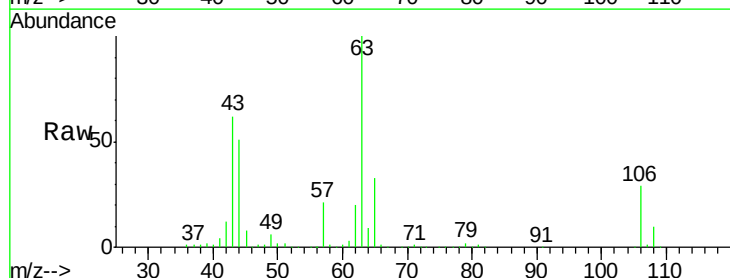
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0720WBS02

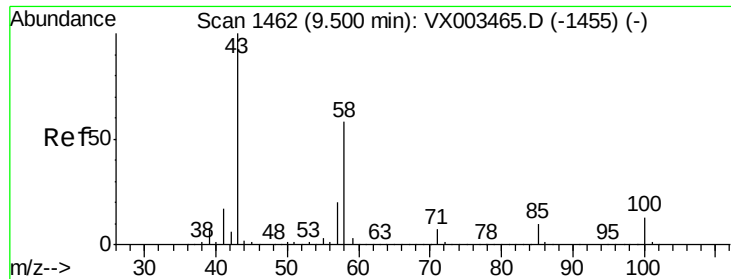
Tot Ion: 76 Resp: 119088
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 103.96 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VX003511.D
 Acq: 20 Jul 2018 16:05

Tgt Ion: 63 Resp: 246304
 Ion Ratio Lower Upper
 63 100
 106 29.2 21.8 32.8

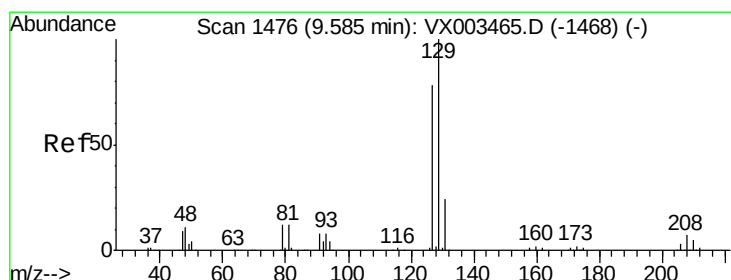
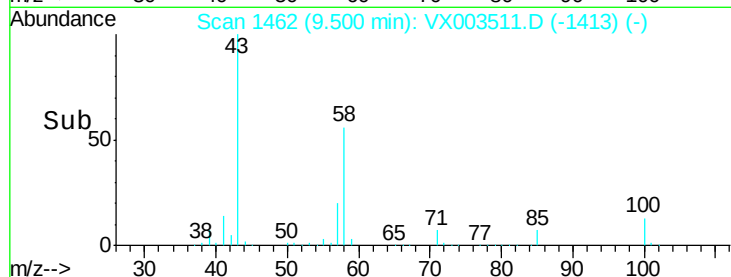
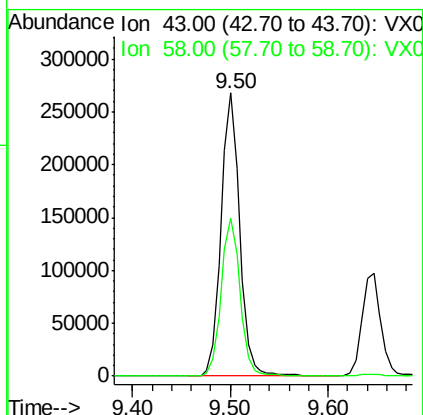
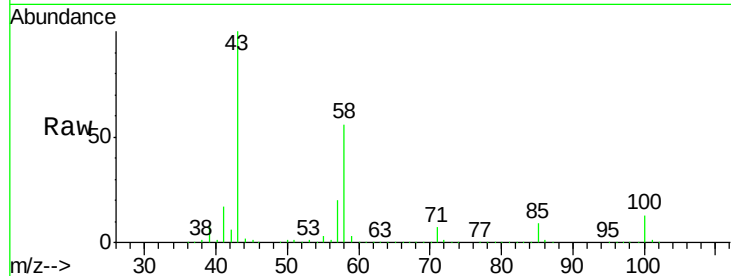




#59
2-Hexanone
Concen: 109.81 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX003511.D
Acq: 20 Jul 2018 16:05

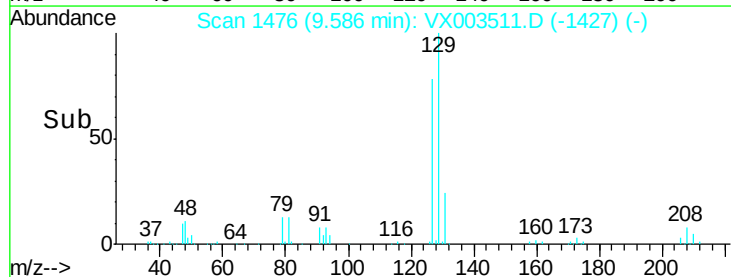
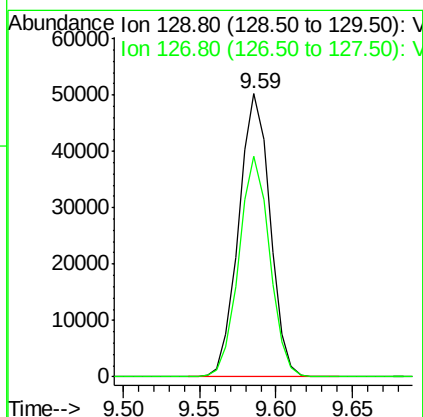
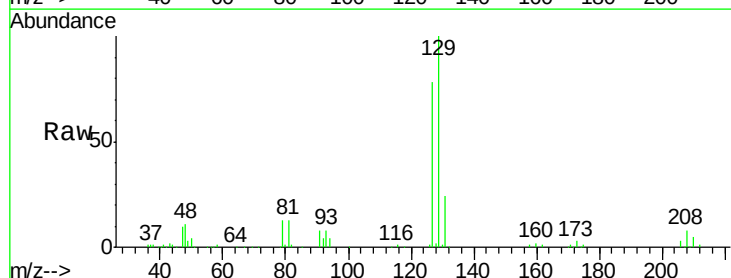
Instrument :
MSVOA_X
ClientSampleId :
VX0720WBS02

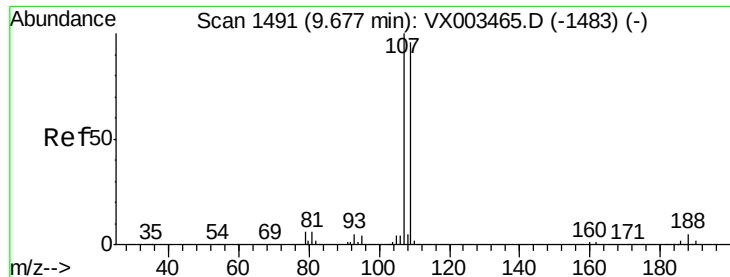
Tot Ion: 43 Resp: 353914
Ion Ratio Lower Upper
43 100
58 56.9 24.6 73.6



#60
Dibromochloromethane
Concen: 20.84 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX003511.D
Acq: 20 Jul 2018 16:05

Tgt Ion: 129 Resp: 71361
Ion Ratio Lower Upper
129 100
127 76.7 38.5 115.3

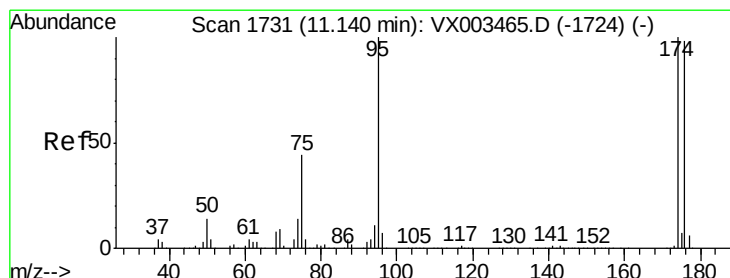
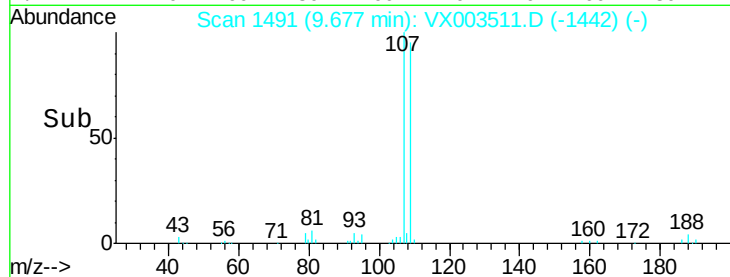
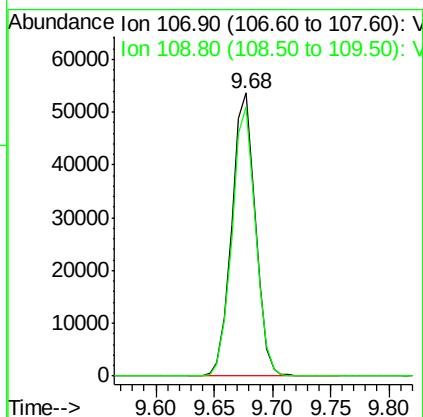
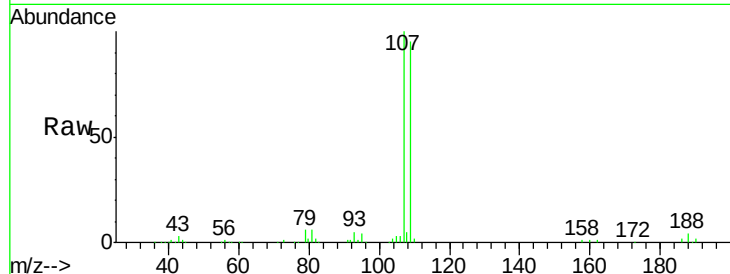




#61
 1,2-Dibromoethane
 Concen: 21.19 ug/l
 RT: 9.68 min Scan# 1491
 Delta R.T. 0.00 min
 Lab File: VX003511.D
 Acq: 20 Jul 2018 16:05

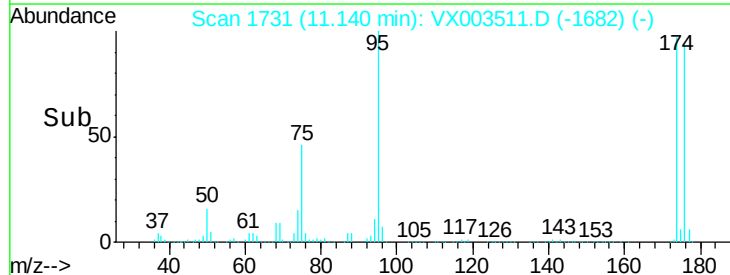
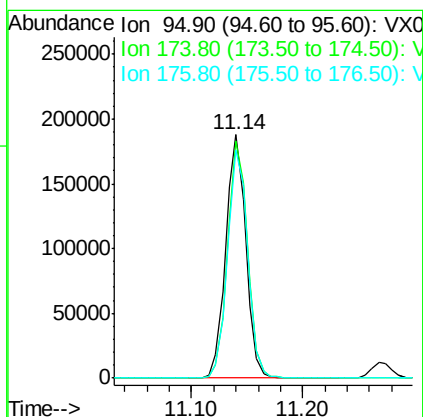
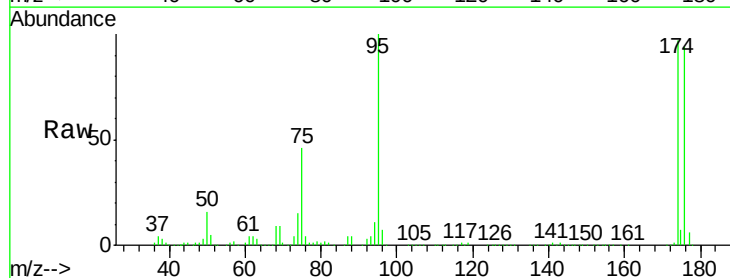
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0720WBS02

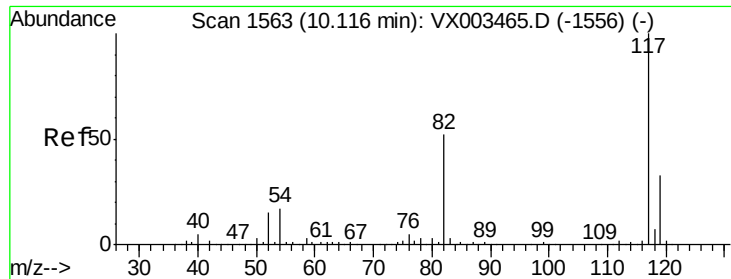
Tot Ion:107 Resp: 75987
 Ion Ratio Lower Upper
 107 100
 109 95.0 75.3 112.9



#62
 4-Bromofluorobenzene
 Concen: 52.83 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.00 min
 Lab File: VX003511.D
 Acq: 20 Jul 2018 16:05

Tgt Ion: 95 Resp: 233840
 Ion Ratio Lower Upper
 95 100
 174 97.3 0.0 187.4
 176 94.4 0.0 181.0

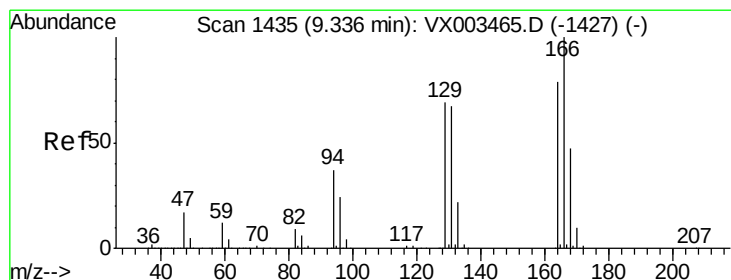
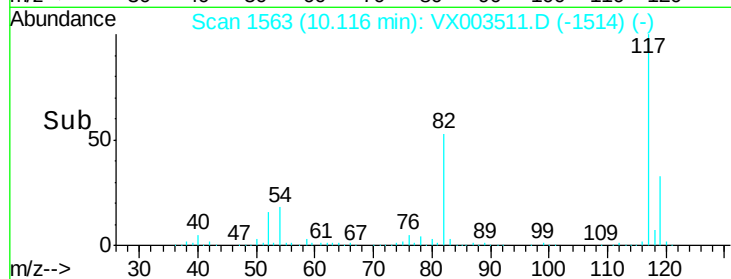
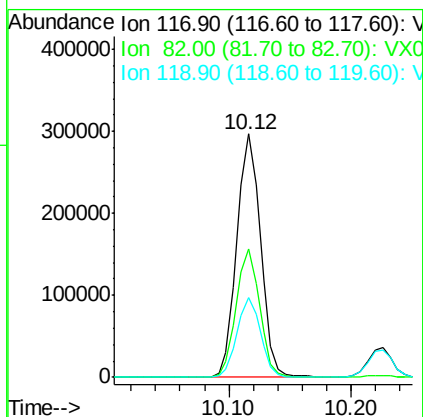
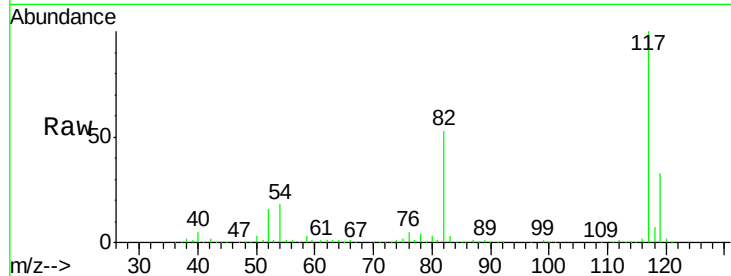




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003511.D
Acq: 20 Jul 2018 16:05

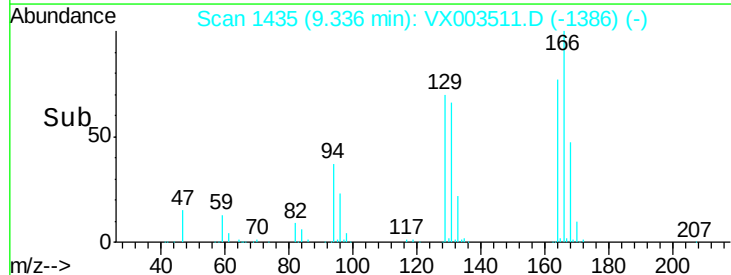
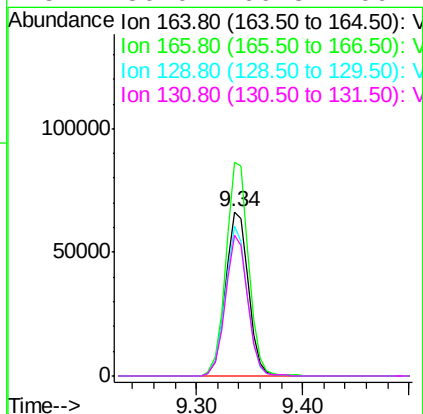
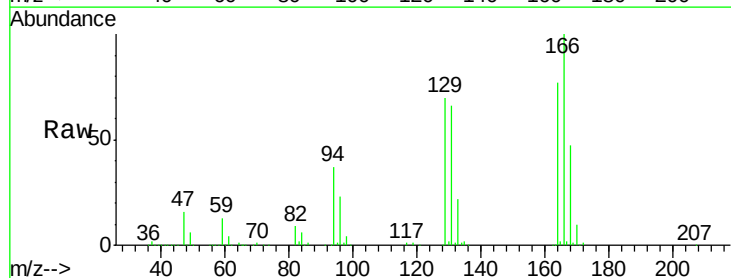
Instrument :
MSVOA_X
ClientSampleId :
VX0720WBS02

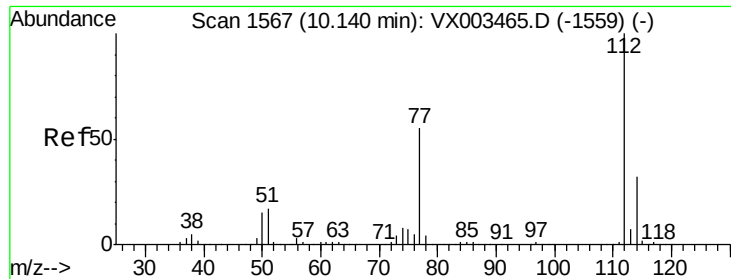
Tot Ion:117 Resp: 399364
Ion Ratio Lower Upper
117 100
82 52.7 45.0 67.4
119 32.9 25.8 38.6



#64
Tetrachloroethene
Concen: 20.42 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. 0.00 min
Lab File: VX003511.D
Acq: 20 Jul 2018 16:05

Tgt Ion:164 Resp: 99364
Ion Ratio Lower Upper
164 100
166 130.0 102.9 154.3
129 91.2 68.6 102.8
131 86.0 66.8 100.2

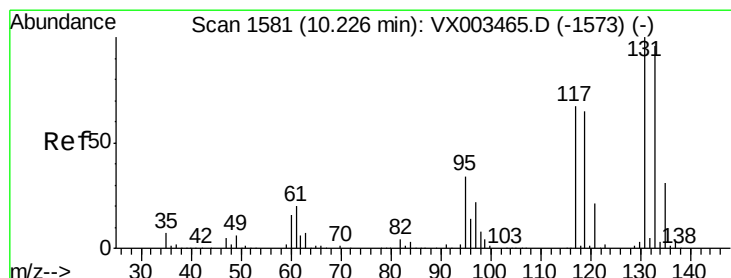
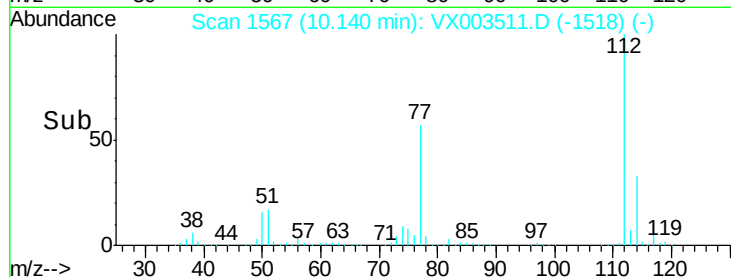
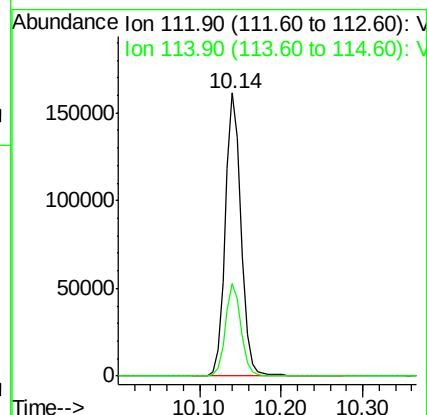
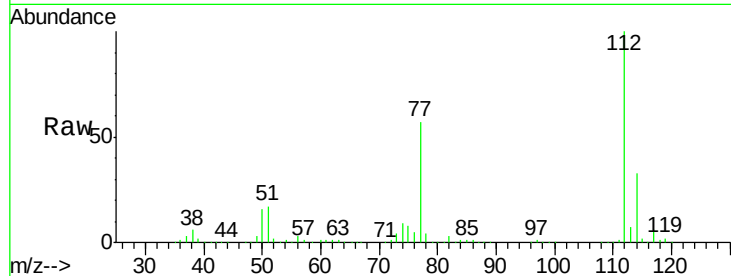




#65
Chlorobenzene
Concen: 21.16 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX003511.D
Acq: 20 Jul 2018 16:05

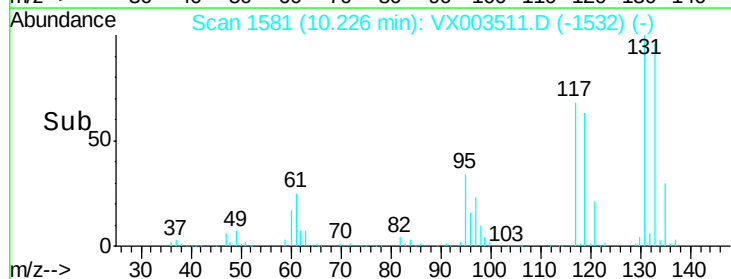
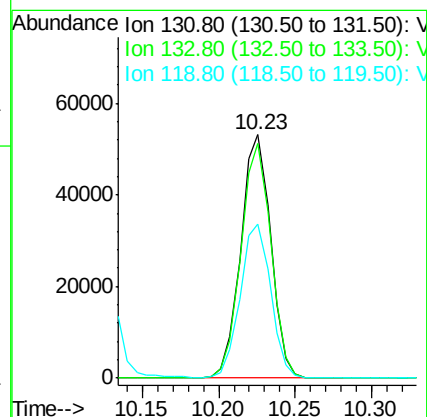
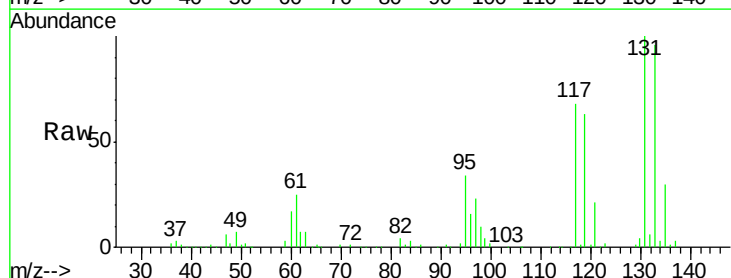
Instrument :
MSVOA_X
ClientSampleId :
VX0720WBS02

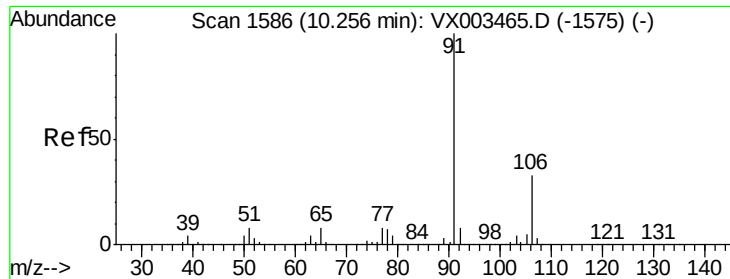
Tot Ion:112 Resp: 217768
Ion Ratio Lower Upper
112 100
114 32.5 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 20.37 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX003511.D
Acq: 20 Jul 2018 16:05

Tgt Ion:131 Resp: 72112
Ion Ratio Lower Upper
131 100
133 96.4 47.9 143.6
119 64.7 31.8 95.3

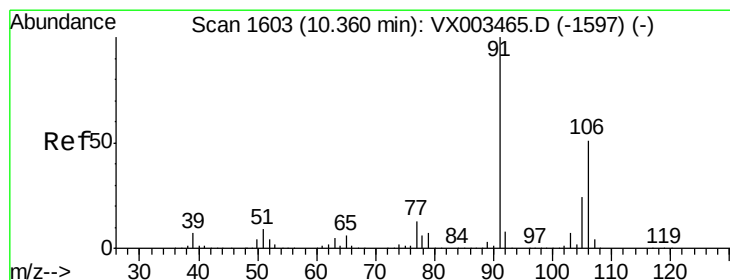
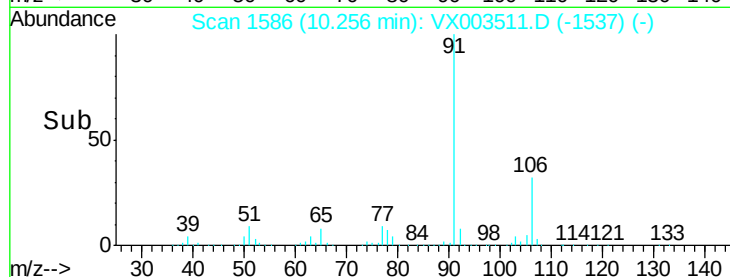
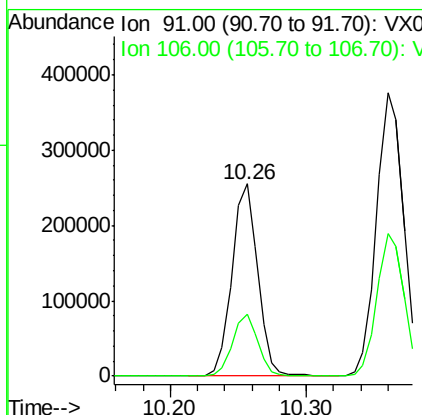
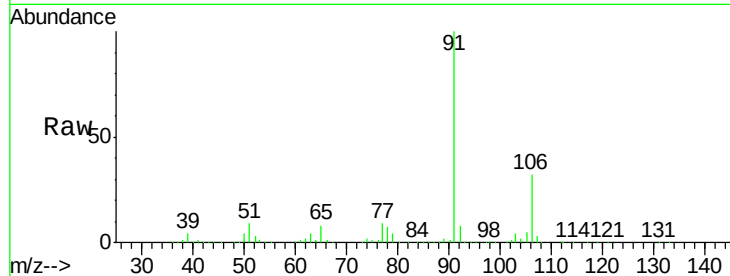




#67
Ethyl Benzene
Concen: 20.33 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX003511.D
Acq: 20 Jul 2018 16:05

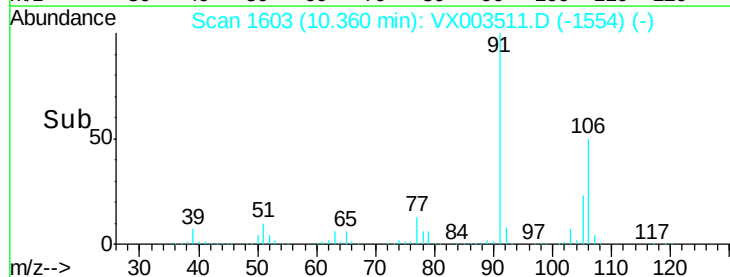
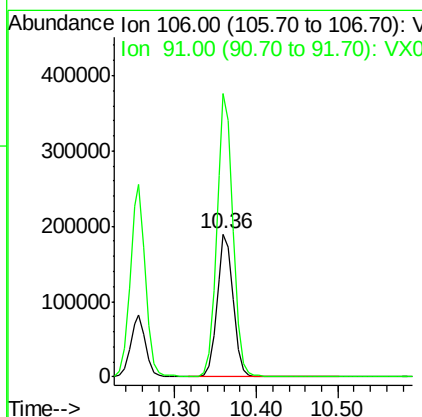
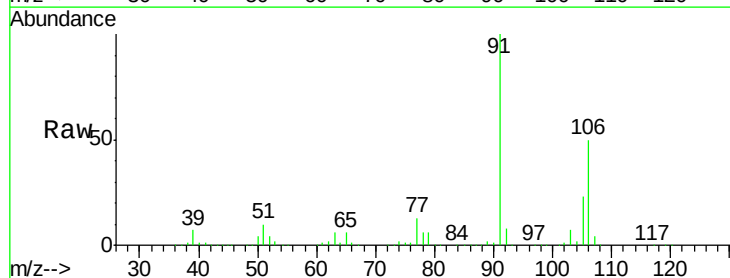
Instrument :
MSVOA_X
ClientSampled :
VX0720WBS02

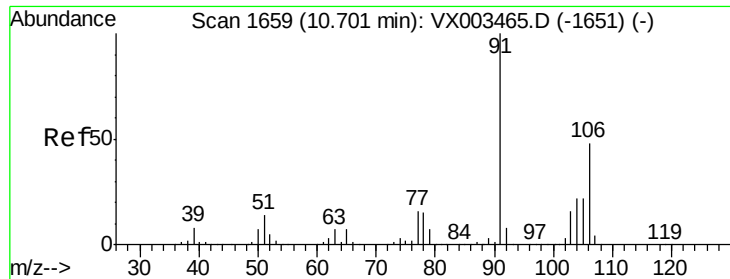
Tot Ion: 91 Resp: 336403
Ion Ratio Lower Upper
91 100
106 32.2 25.5 38.3



#68
m/p-Xylenes
Concen: 40.82 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX003511.D
Acq: 20 Jul 2018 16:05

Tgt Ion: 106 Resp: 264752
Ion Ratio Lower Upper
106 100
91 197.1 163.4 245.2

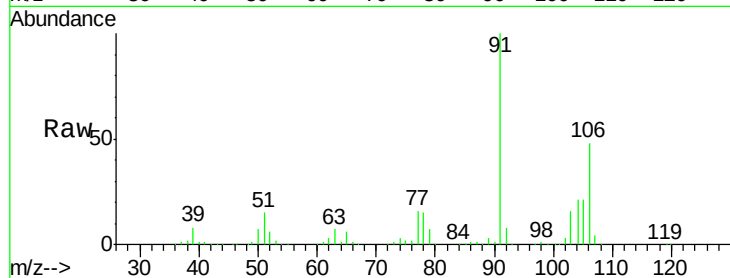




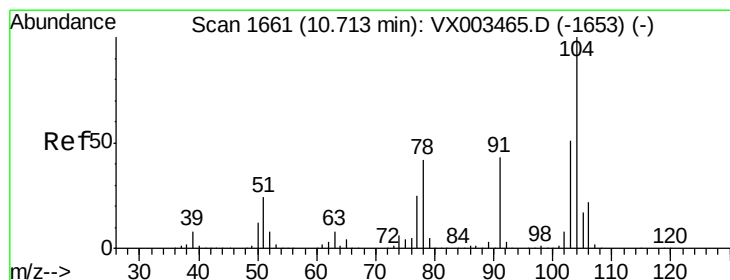
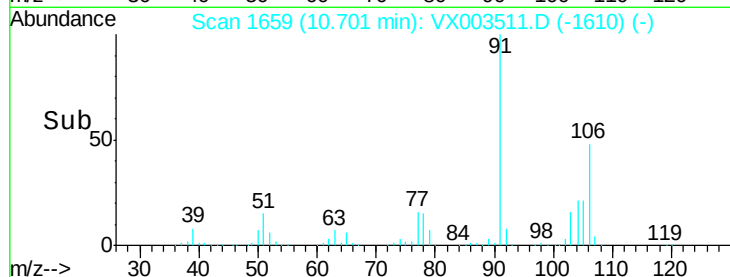
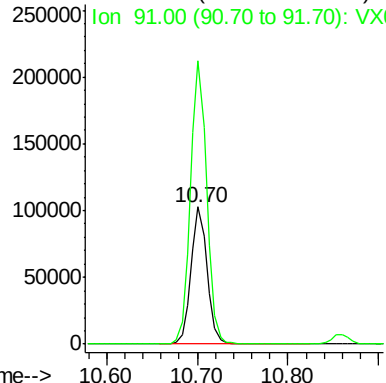
#69
o-Xylene
Concen: 20.37 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003511.D
Acq: 20 Jul 2018 16:05

Instrument :
MSVOA_X
ClientSampleId :
VX0720WBS02

Tot Ion:106 Resp: 127735
Ion Ratio Lower Upper
106 100
91 208.2 108.2 324.6

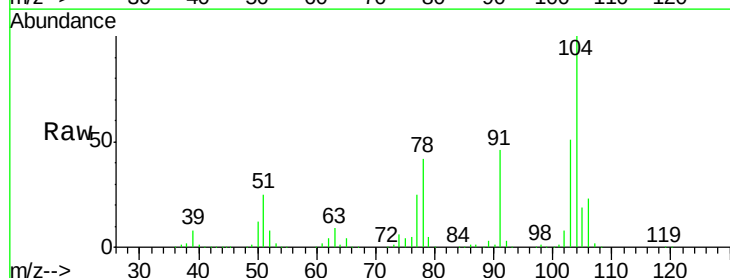


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

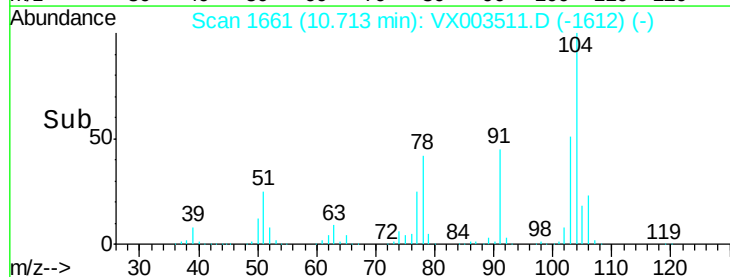
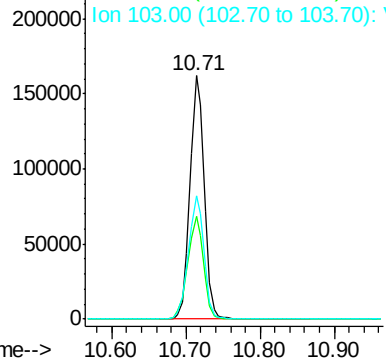


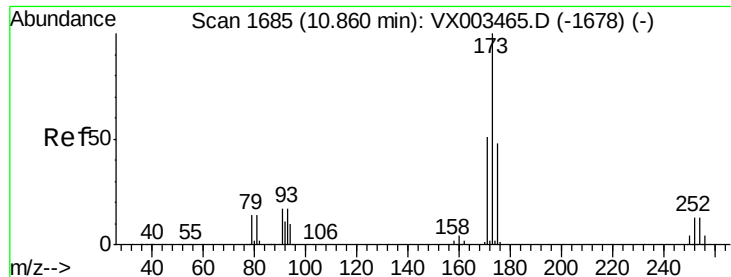
#70
Styrene
Concen: 20.71 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003511.D
Acq: 20 Jul 2018 16:05

Tgt Ion:104 Resp: 213636
Ion Ratio Lower Upper
104 100
78 46.6 41.0 61.6
103 55.1 44.2 66.4



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





#71

Bromoform

Concen: 20.30 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX003511.D

Acq: 20 Jul 2018 16:05

Instrument :

MSVOA_X

ClientSampleId :

VX0720WBS02

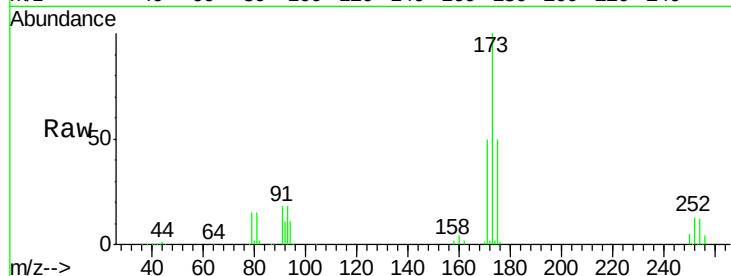
Tot Ion:173 Resp: 55838

Ion Ratio Lower Upper

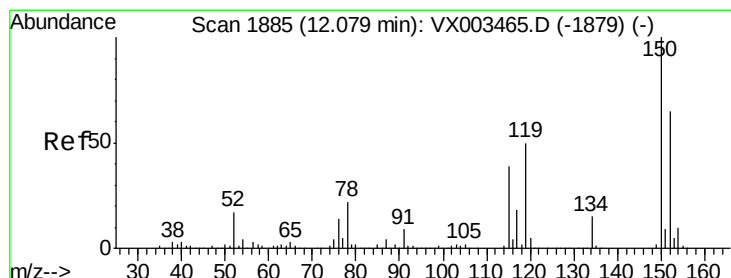
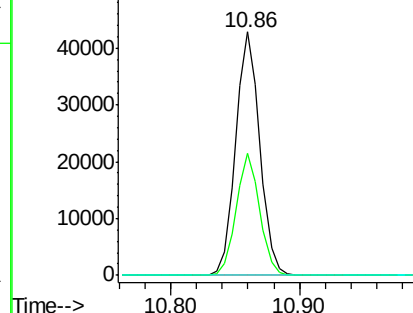
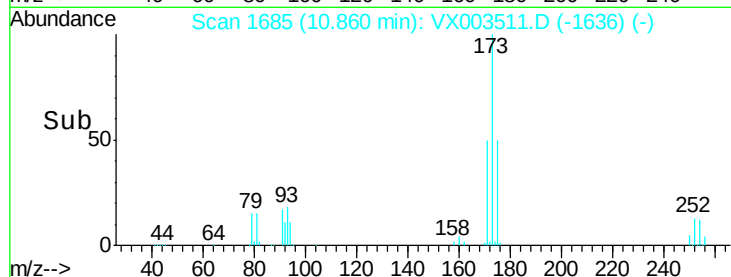
173 100

175 48.6 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: VX003511.D

Acq: 20 Jul 2018 16:05

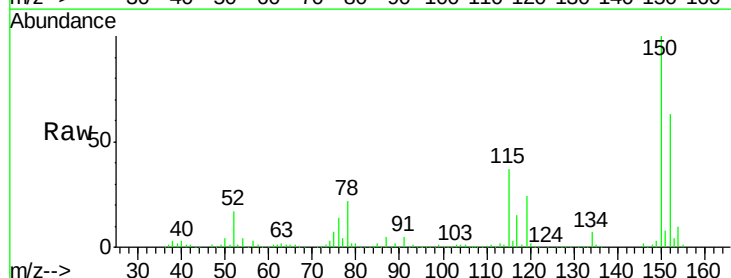
Tgt Ion:152 Resp: 239551

Ion Ratio Lower Upper

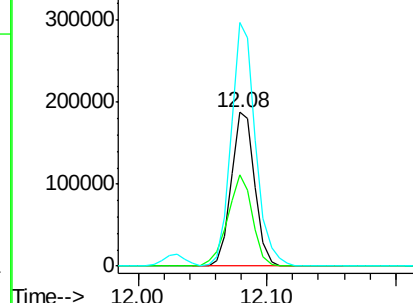
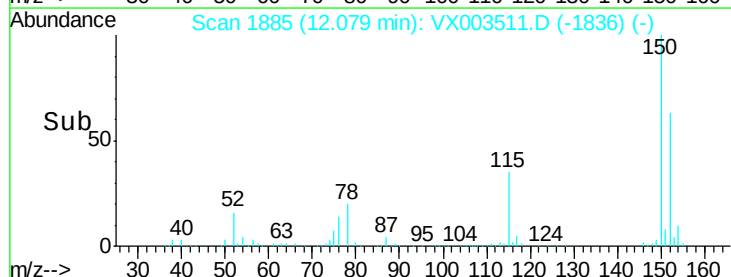
152 100

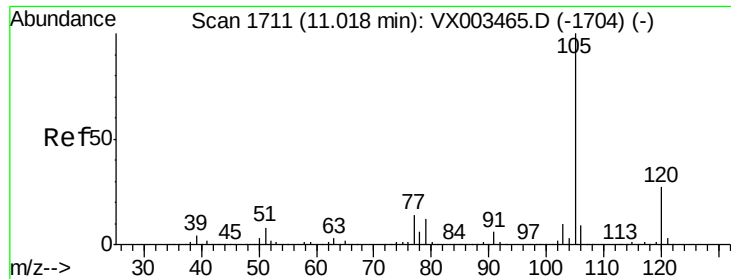
115 63.2 40.1 120.2

150 163.8 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: 20.53 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. 0.00 min

Lab File: VX003511.D

Acq: 20 Jul 2018 16:05

Instrument :

MSVOA_X

ClientSampleId :

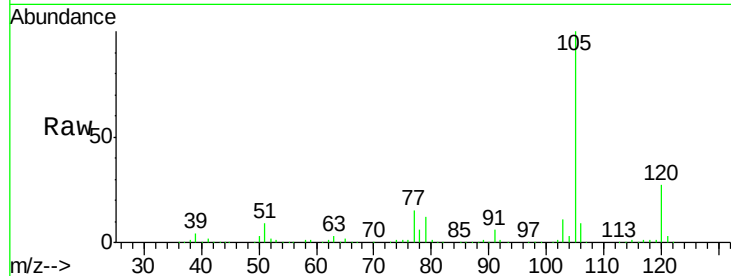
VX0720WBS02

Tot Ion:105 Resp: 340044

Ion Ratio Lower Upper

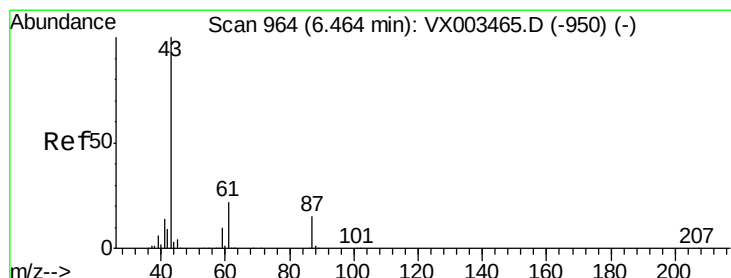
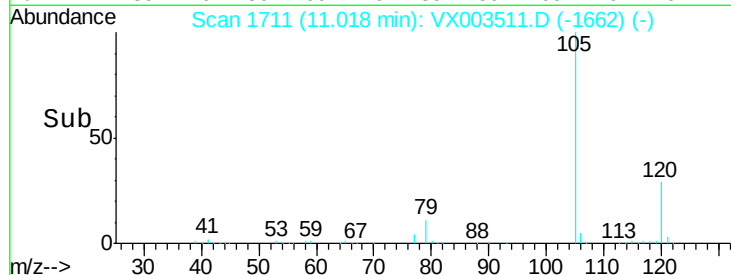
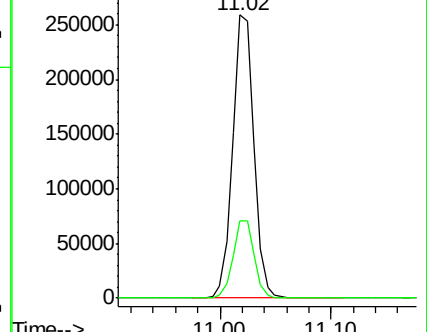
105 100

120 27.2 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.17 ug/l

RT: 6.46 min Scan# 964

Delta R.T. 0.00 min

Lab File: VX003511.D

Acq: 20 Jul 2018 16:05

Tgt Ion: 43 Resp: 148910

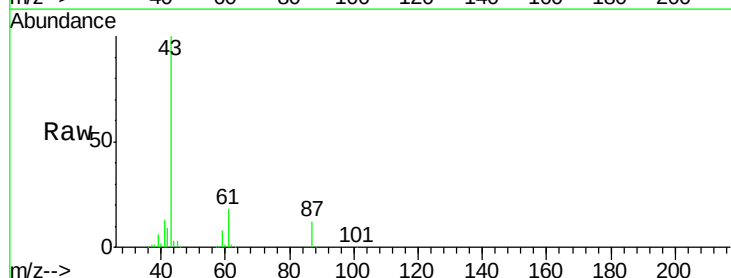
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0

61 20.6 14.4 21.6

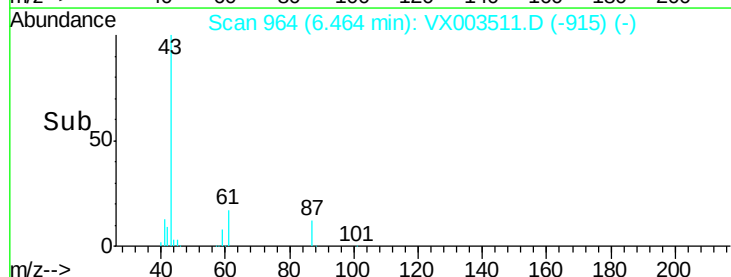
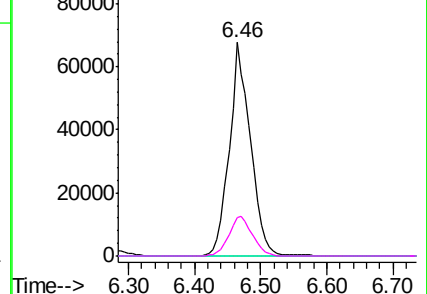


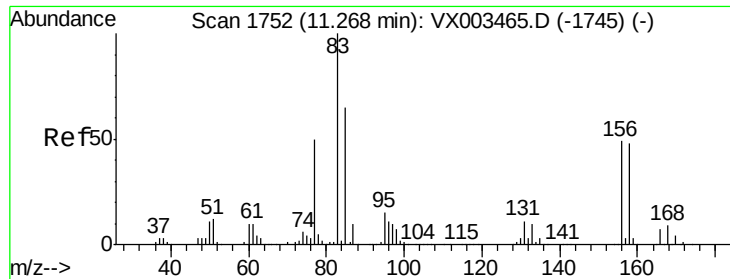
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.74 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. 0.00 min

Lab File: VX003511.D

Acq: 20 Jul 2018 16:05

Instrument :

MSVOA_X

ClientSampled :

VX0720WBS02

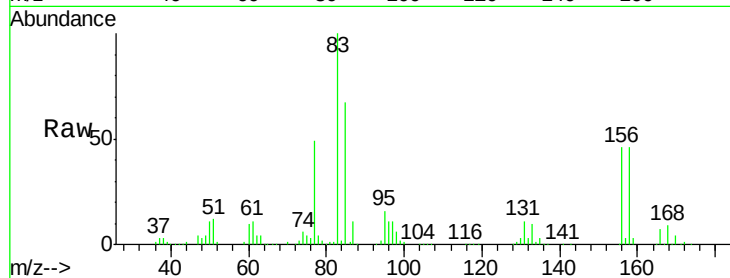
Tot Ion: 83 Resp: 100693

Ion Ratio Lower Upper

83 100

131 10.9 5.6 16.8

85 64.6 32.4 97.2



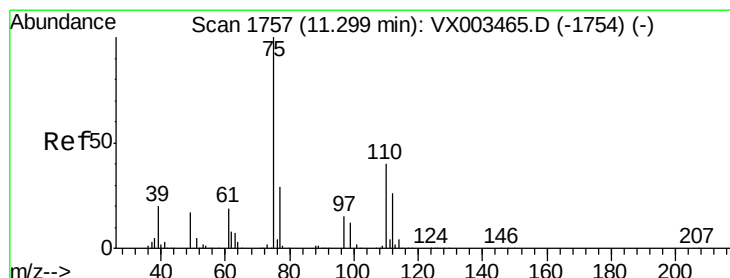
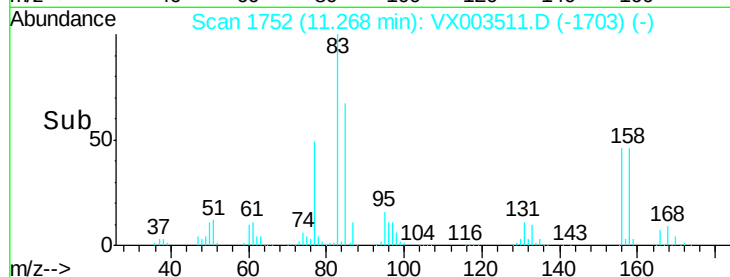
Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0

11.27

Time-->



#76

1,2,3-Trichloropropane

Concen: 26.71 ug/l

RT: 11.30 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VX003511.D

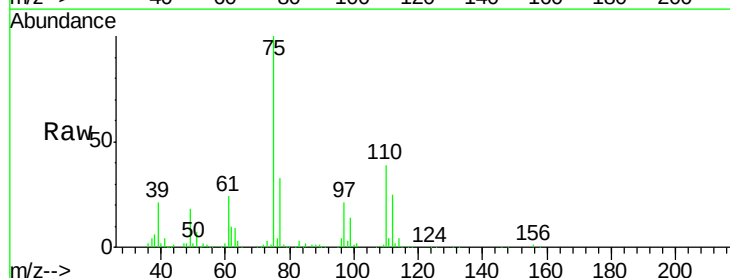
Acq: 20 Jul 2018 16:05

Tgt Ion: 75 Resp: 114960

Ion Ratio Lower Upper

75 100

77 32.8 22.8 68.3

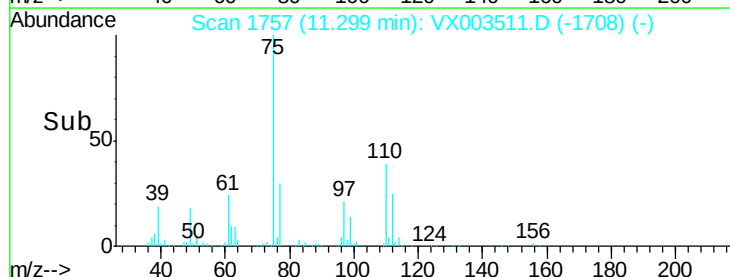


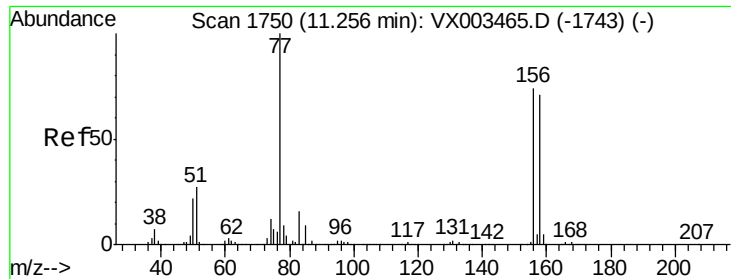
Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.30

Time-->

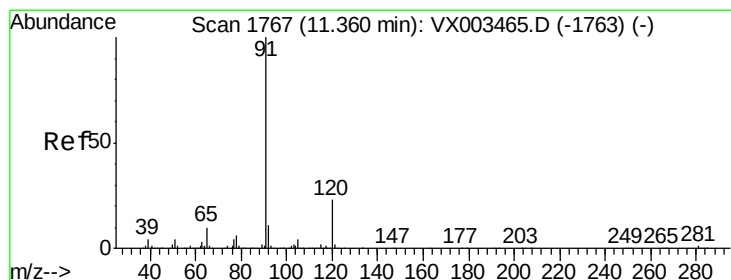
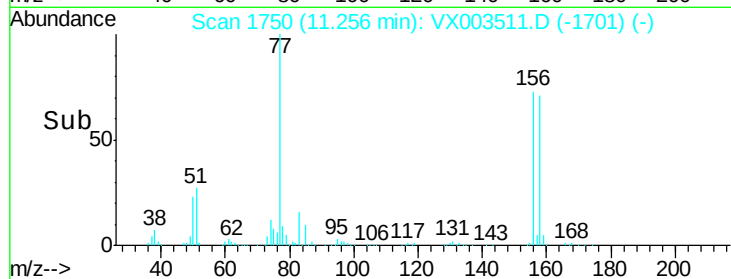
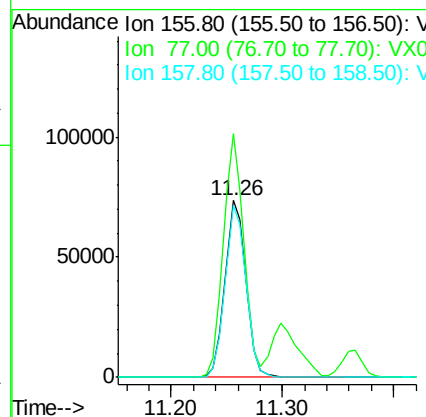
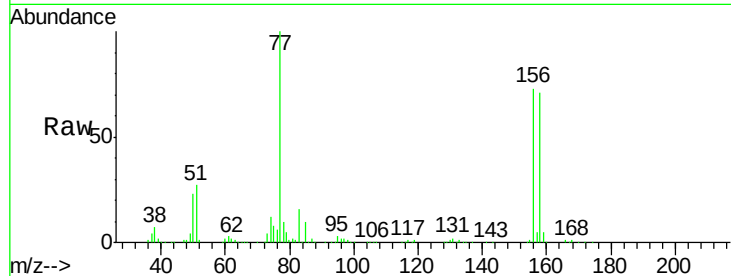




#77
Bromobenzene
Concen: 20.05 ug/l
RT: 11.26 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VX003511.D
Acq: 20 Jul 2018 16:05

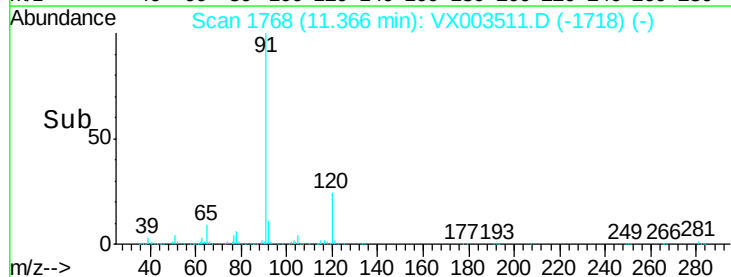
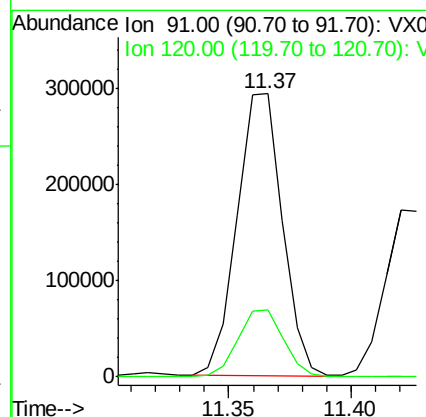
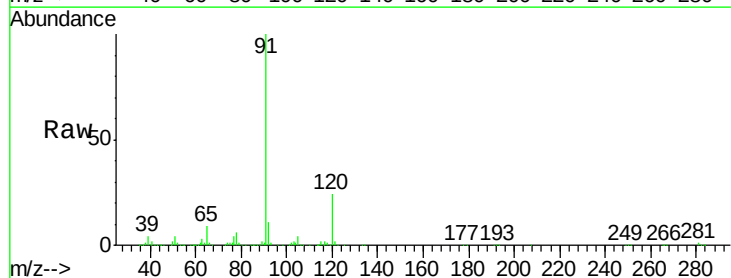
Instrument :
MSVOA_X
ClientSampled :
VX0720WBS02

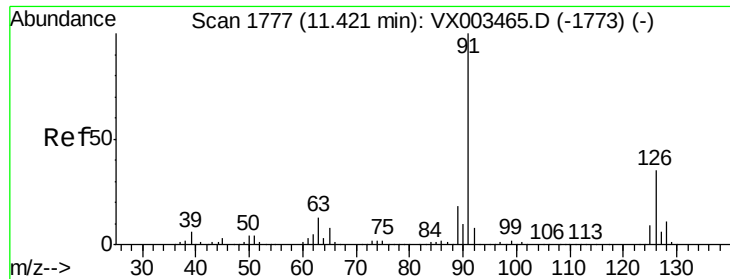
Tot Ion:156 Resp: 95519
Ion Ratio Lower Upper
156 100
77 135.6 71.4 214.2
158 97.4 48.9 146.6



#78
n-propylbenzene
Concen: 20.58 ug/l
RT: 11.37 min Scan# 1768
Delta R.T. 0.01 min
Lab File: VX003511.D
Acq: 20 Jul 2018 16:05

Tgt Ion: 91 Resp: 379066
Ion Ratio Lower Upper
91 100
120 24.3 11.8 35.4





#79

2-Chlorotoluene

Concen: 20.53 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. 0.00 min

Lab File: VX003511.D

Acq: 20 Jul 2018 16:05

Instrument :

MSVOA_X

ClientSampleId :

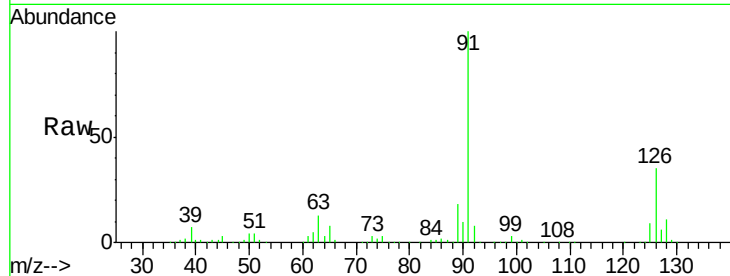
VX0720WBS02

Tot Ion: 91 Resp: 229517

Ion Ratio Lower Upper

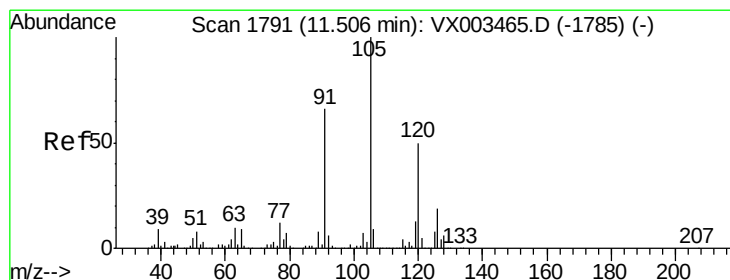
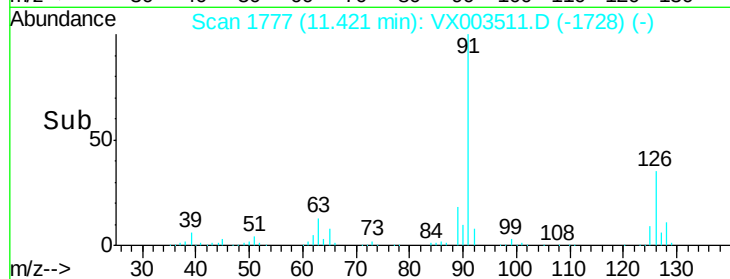
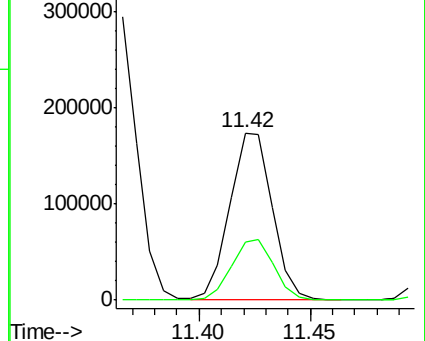
91 100

126 36.4 17.7 53.1



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.68 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.01 min

Lab File: VX003511.D

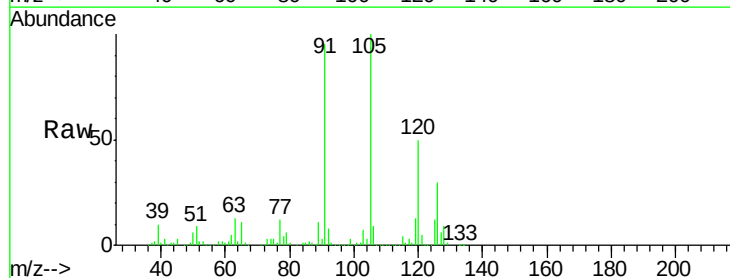
Acq: 20 Jul 2018 16:05

Tgt Ion:105 Resp: 281542

Ion Ratio Lower Upper

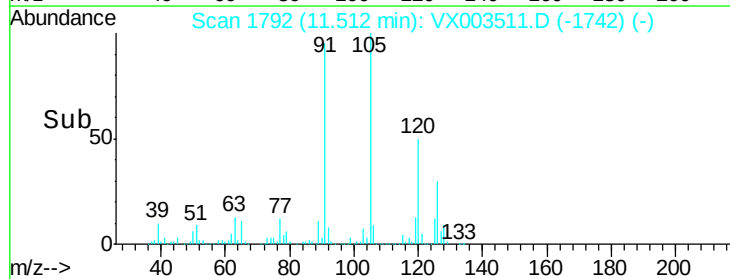
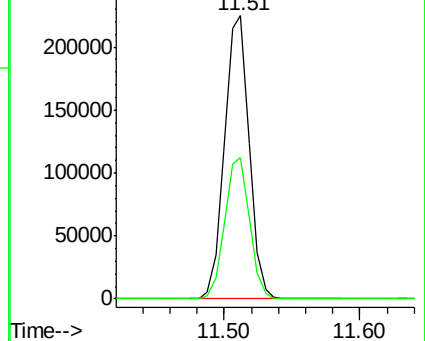
105 100

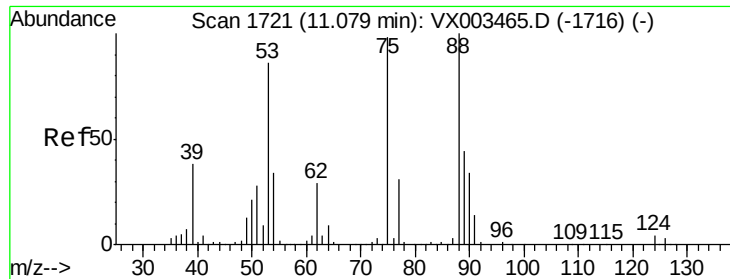
120 50.2 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

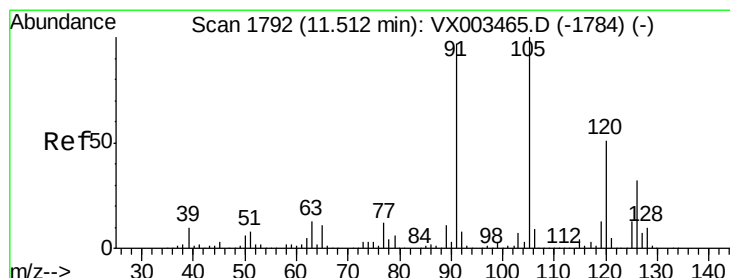
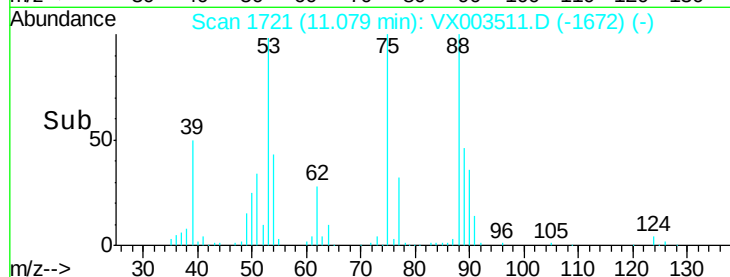
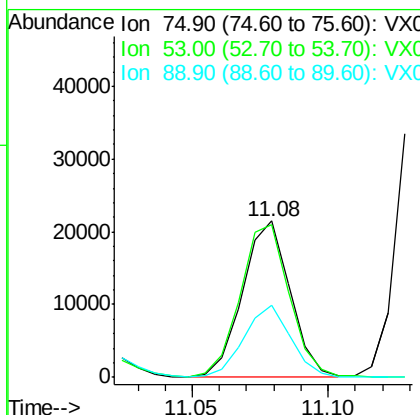
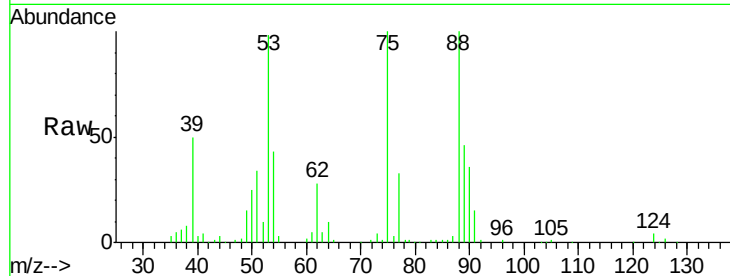




#81
trans-1,4-Dichloro-2-butene
Concen: 18.58 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX003511.D
Acq: 20 Jul 2018 16:05

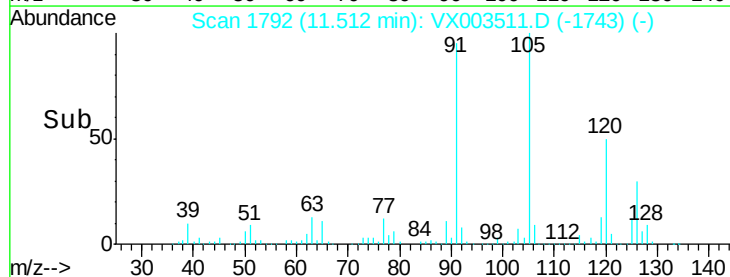
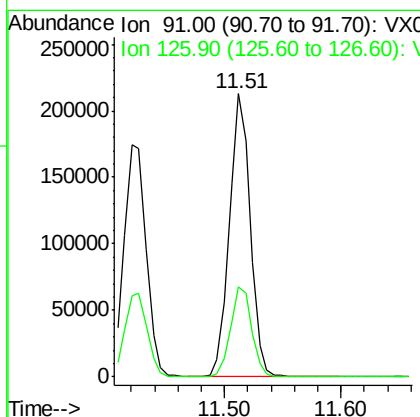
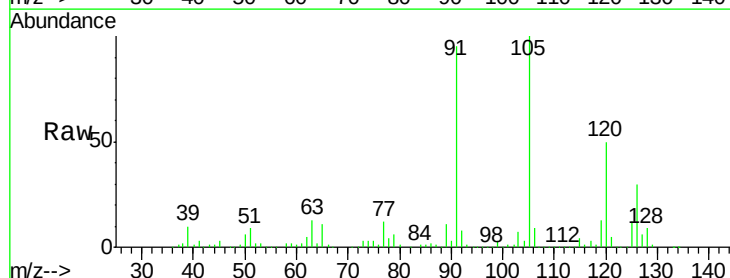
Instrument :
MSVOA_X
ClientSampleId :
VX0720WBS02

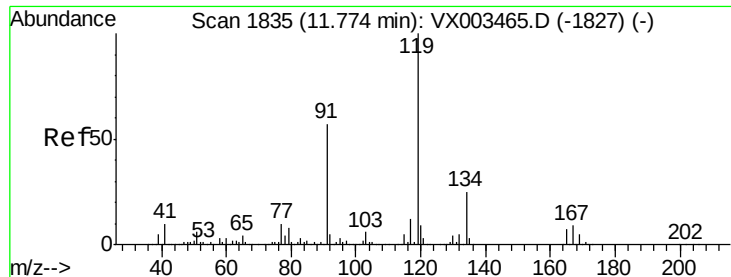
Tot Ion: 75 Resp: 25782
Ion Ratio Lower Upper
75 100
53 102.9 86.8 130.2
89 45.8 38.2 57.2



#82
4-Chlorotoluene
Concen: 20.26 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX003511.D
Acq: 20 Jul 2018 16:05

Tgt Ion: 91 Resp: 265381
Ion Ratio Lower Upper
91 100
126 32.4 15.4 46.4

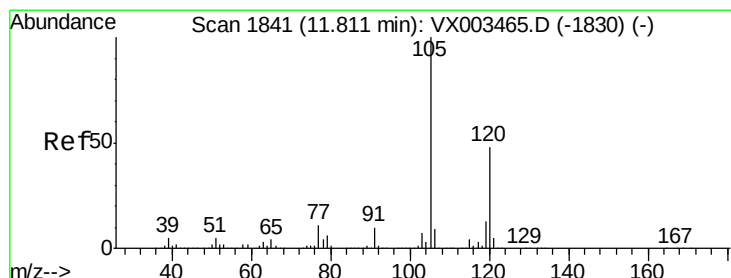
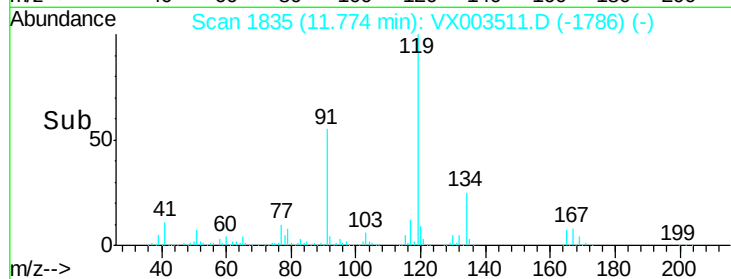
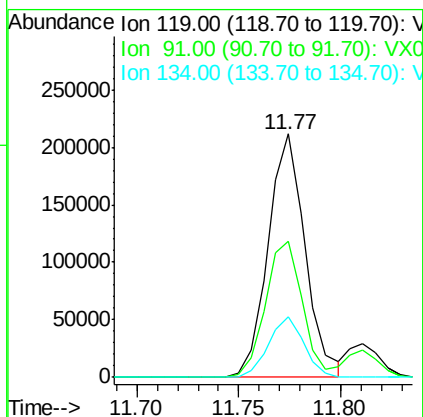
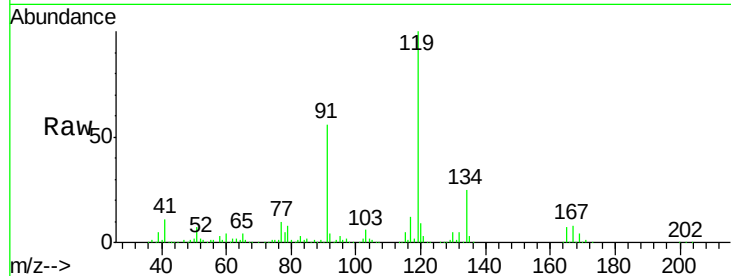




#83
 tert-Butylbenzene
 Concen: 20.08 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX003511.D
 Acq: 20 Jul 2018 16:05

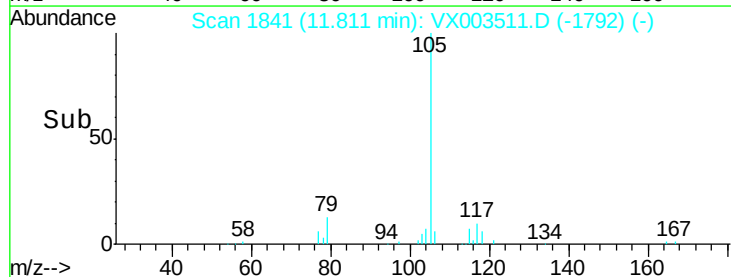
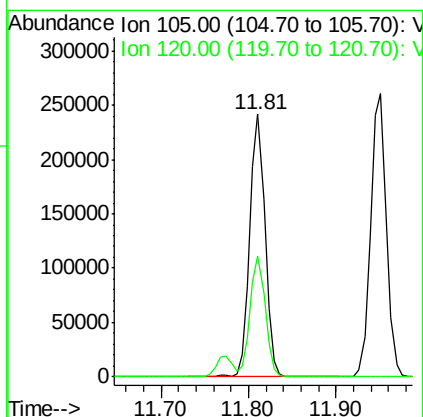
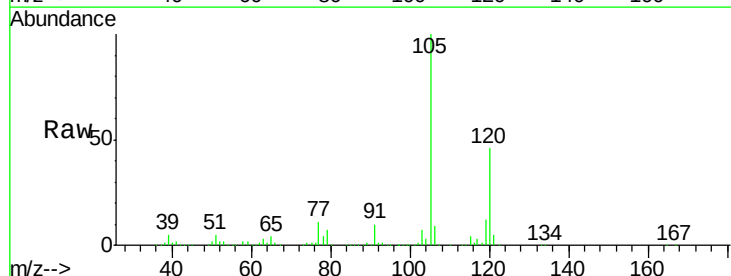
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0720WBS02

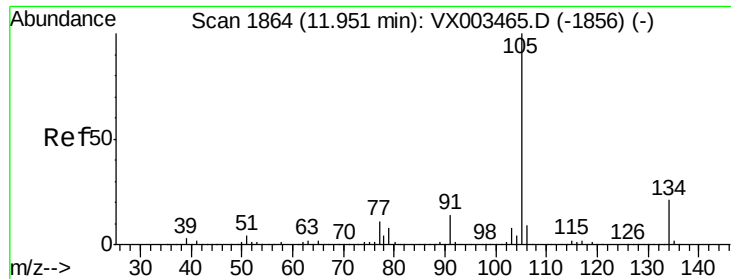
Tot Ion:119 Resp: 267710
 Ion Ratio Lower Upper
 119 100
 91 55.7 30.3 90.9
 134 24.0 11.7 35.1



#84
 1,2,4-Trimethylbenzene
 Concen: 20.91 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX003511.D
 Acq: 20 Jul 2018 16:05

Tgt Ion:105 Resp: 289737
 Ion Ratio Lower Upper
 105 100
 120 45.9 22.3 66.8





#85

sec-Butylbenzene

Concen: 20.34 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX003511.D

Acq: 20 Jul 2018 16:05

Instrument :

MSVOA_X

ClientSampled :

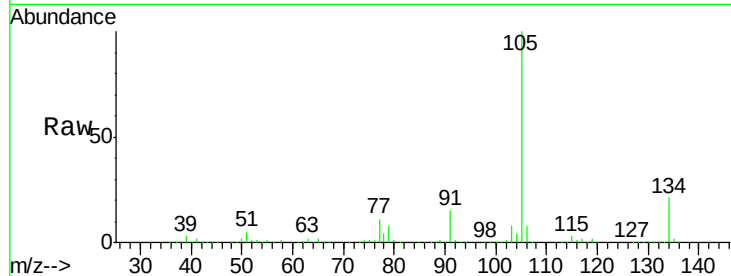
VX0720WBS02

Tot Ion:105 Resp: 329381

Ion Ratio Lower Upper

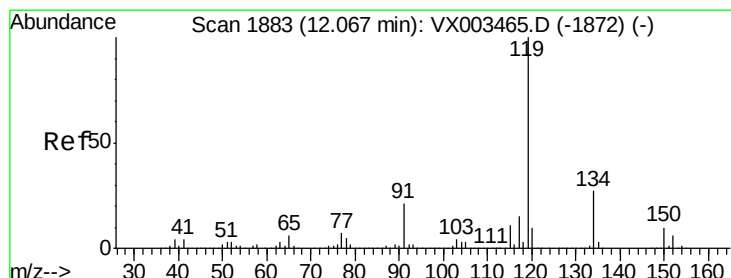
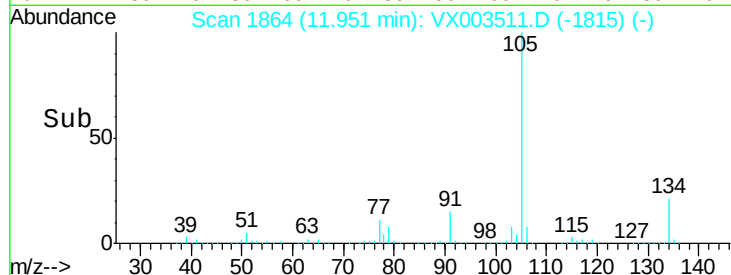
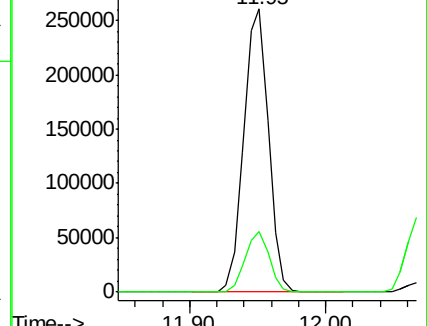
105 100

134 20.8 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: 20.31 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX003511.D

Acq: 20 Jul 2018 16:05

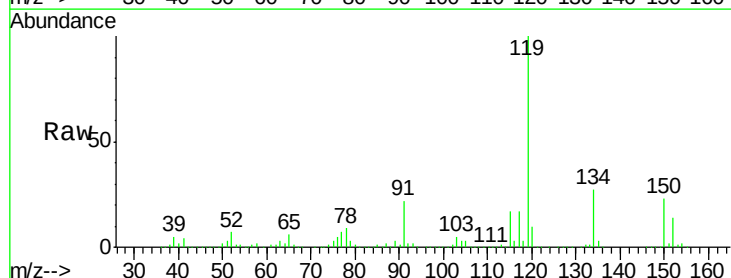
Tgt Ion:119 Resp: 295252

Ion Ratio Lower Upper

119 100

134 26.6 13.4 40.1

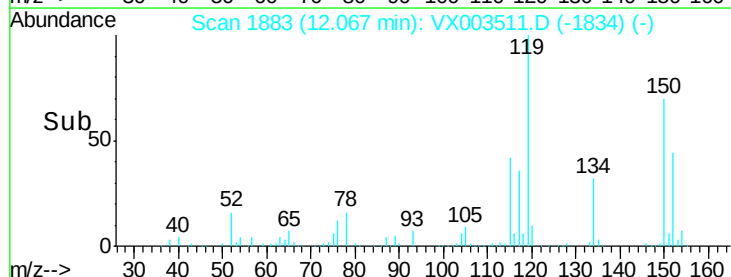
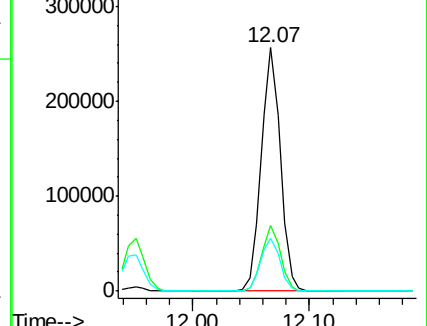
91 22.0 11.9 35.7

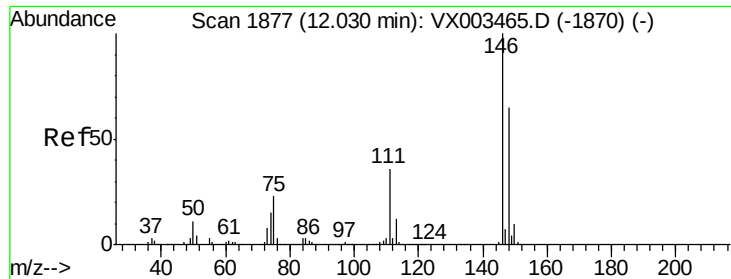


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

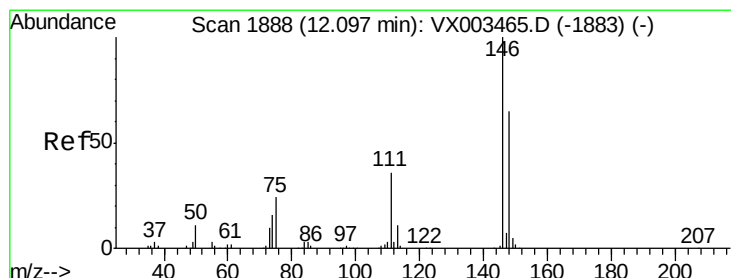
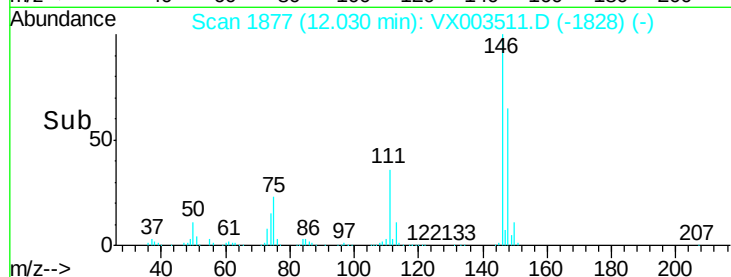
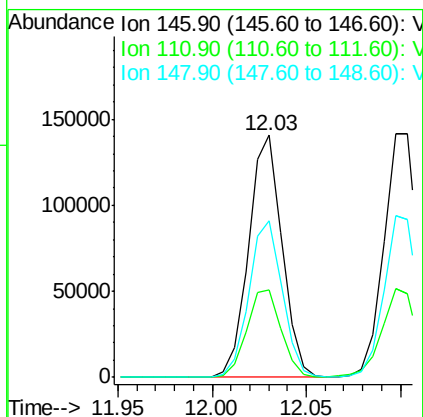
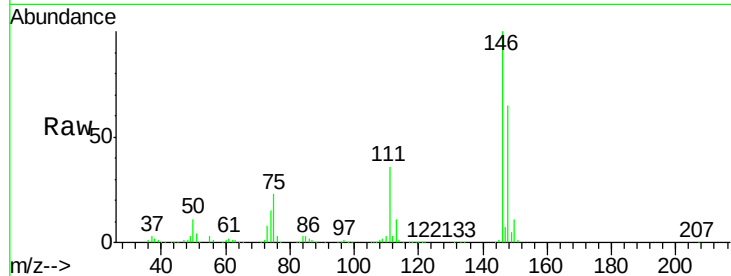




#87
 1,3-Dichlorobenzene
 Concen: 19.76 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX003511.D
 Acq: 20 Jul 2018 16:05

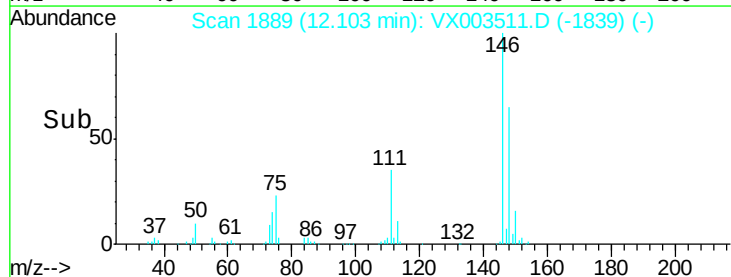
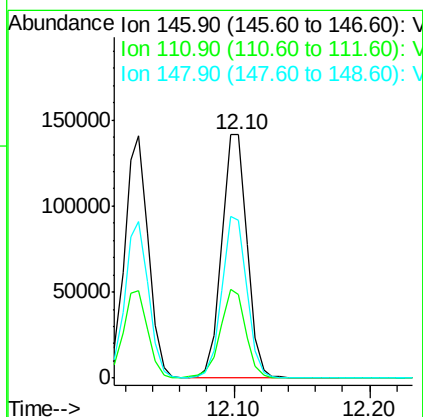
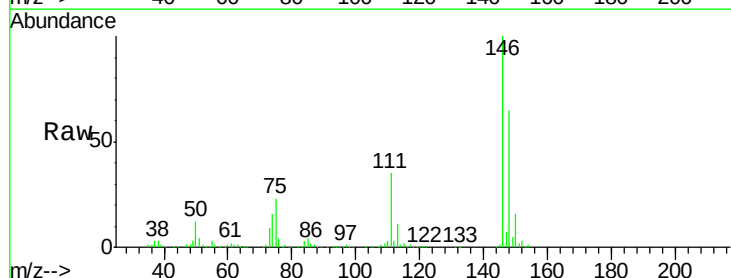
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0720WBS02

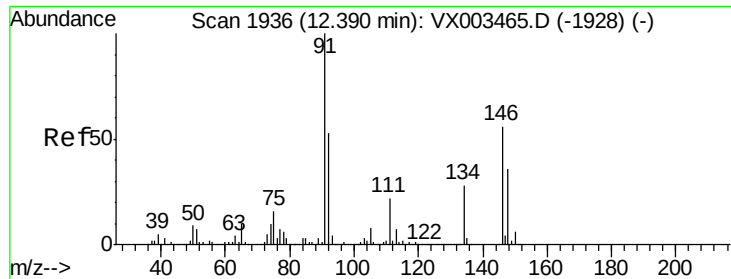
Tot Ion:146 Resp: 173093
 Ion Ratio Lower Upper
 146 100
 111 37.4 18.9 56.7
 148 64.5 32.1 96.3



#88
 1,4-Dichlorobenzene
 Concen: 20.27 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.01 min
 Lab File: VX003511.D
 Acq: 20 Jul 2018 16:05

Tgt Ion:146 Resp: 182880
 Ion Ratio Lower Upper
 146 100
 111 36.3 18.7 56.1
 148 65.4 32.4 97.0

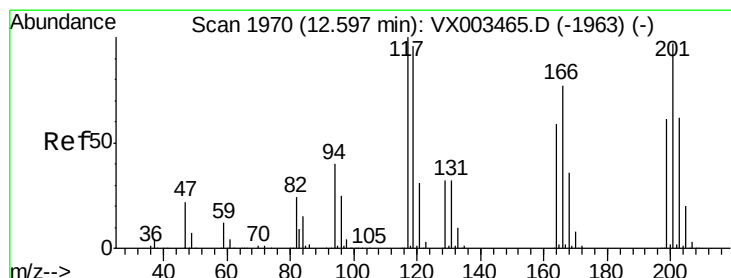
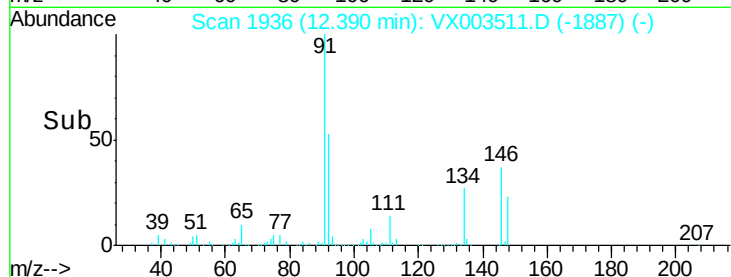
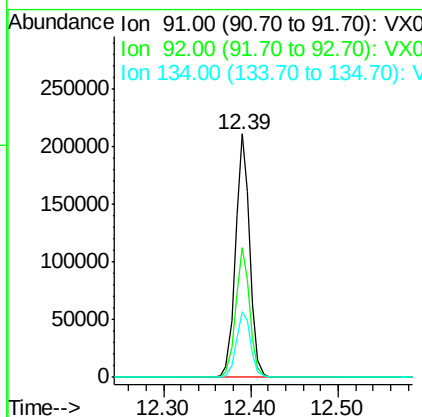
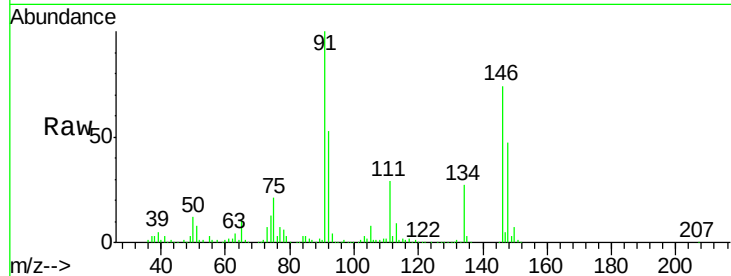




#89
n-Butylbenzene
Concen: 19.47 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX003511.D
Acq: 20 Jul 2018 16:05

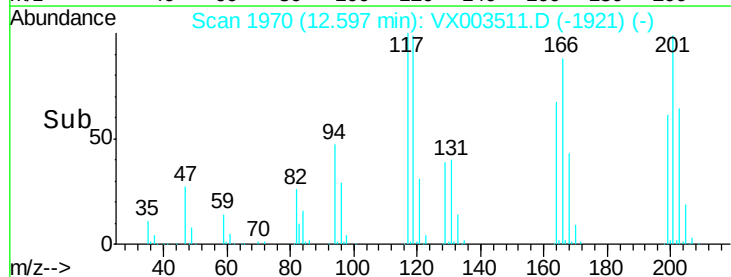
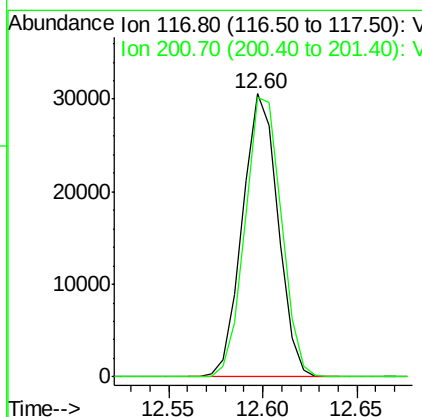
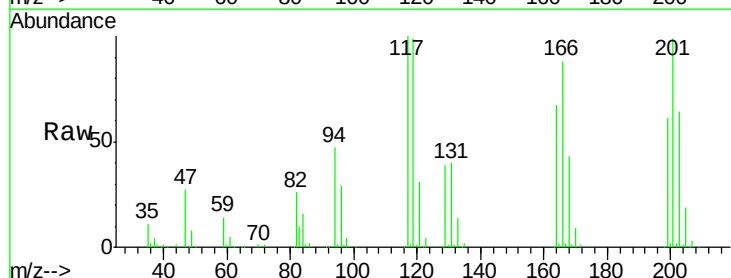
Instrument :
MSVOA_X
ClientSampled :
VX0720WBS02

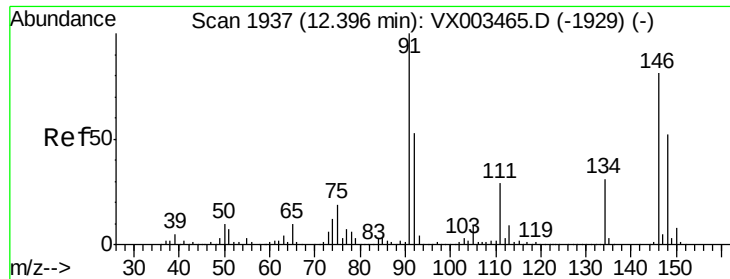
Tot Ion: 91 Resp: 240267
Ion Ratio Lower Upper
91 100
92 52.6 26.0 78.0
134 27.4 13.5 40.5



#90
Hexachloroethane
Concen: 19.33 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VX003511.D
Acq: 20 Jul 2018 16:05

Tgt Ion: 117 Resp: 39944
Ion Ratio Lower Upper
117 100
201 101.0 49.0 147.0





#91

1,2-Dichlorobenzene

Concen: 25.64 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VX003511.D

Acq: 20 Jul 2018 16:05

Instrument :

MSVOA_X

ClientSampleId :

VX0720WBS02

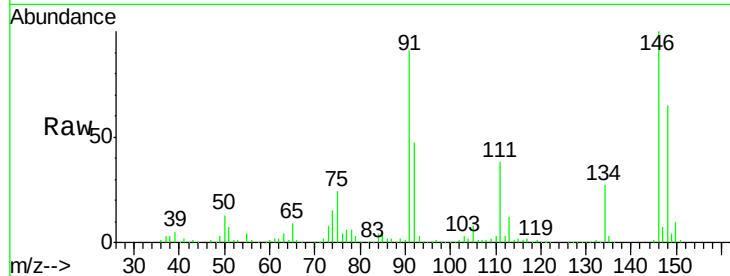
Tot Ion:146 Resp: 221314

Ion Ratio Lower Upper

146 100

111 38.3 19.4 58.1

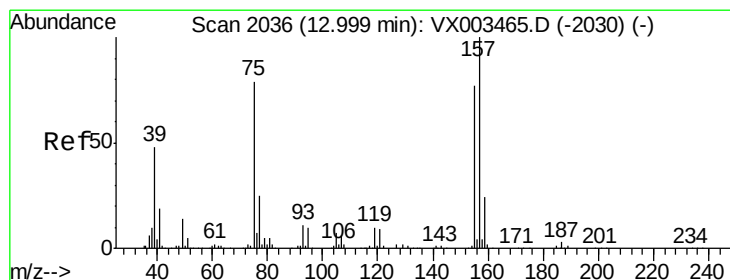
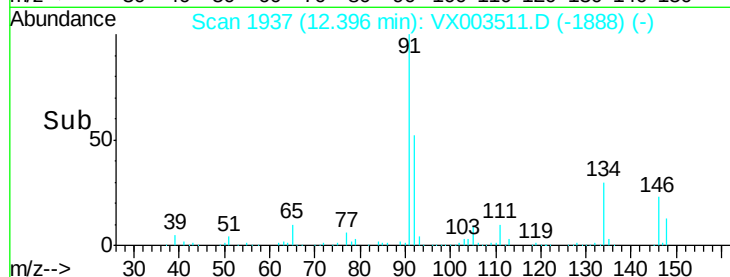
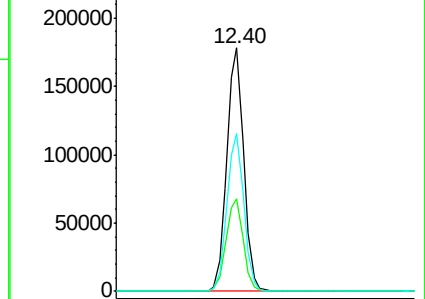
148 64.7 31.7 95.1



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: 20.78 ug/l

RT: 13.00 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VX003511.D

Acq: 20 Jul 2018 16:05

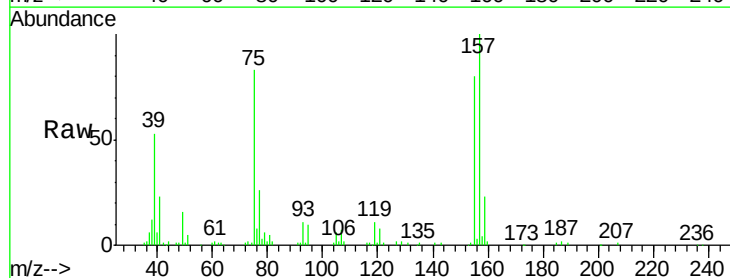
Tgt Ion: 75 Resp: 19629

Ion Ratio Lower Upper

75 100

155 104.4 45.8 137.4

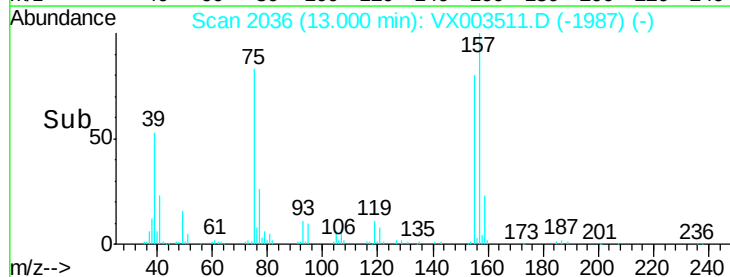
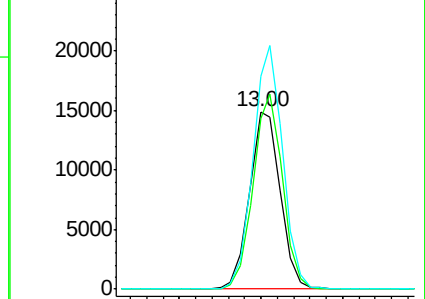
157 131.2 60.1 180.3

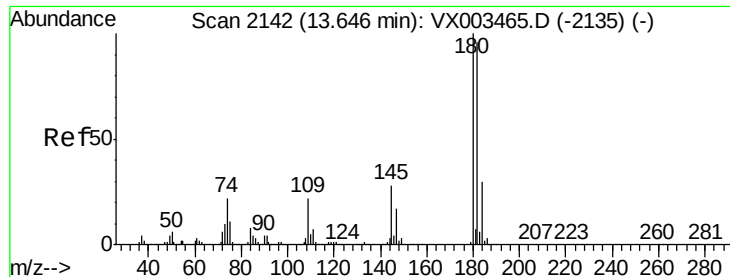


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

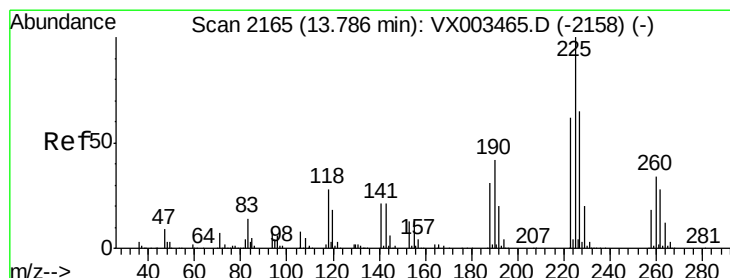
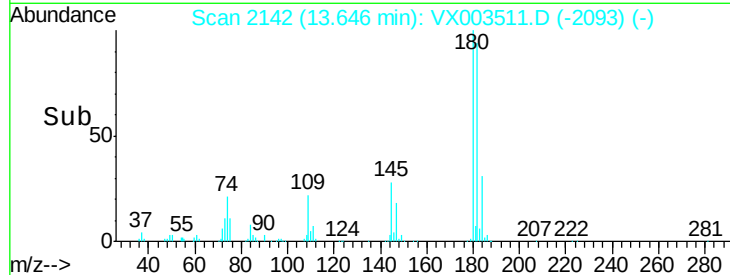
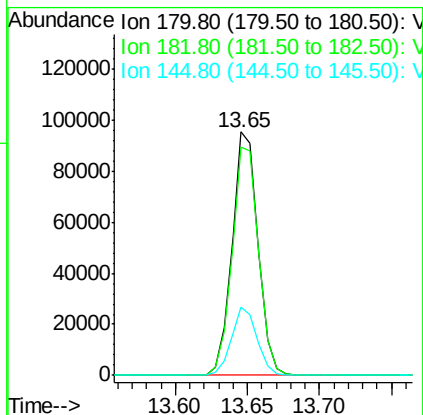
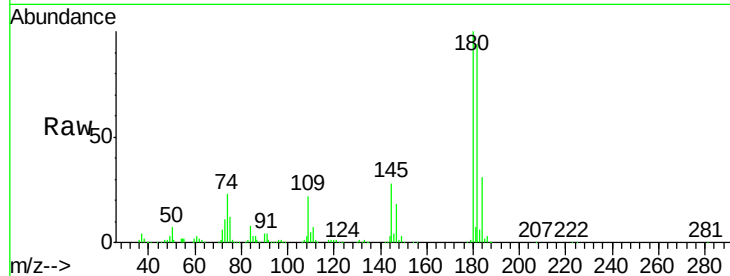




#93
 1,2,4-Trichlorobenzene
 Concen: 18.98 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VX003511.D
 Acq: 20 Jul 2018 16:05

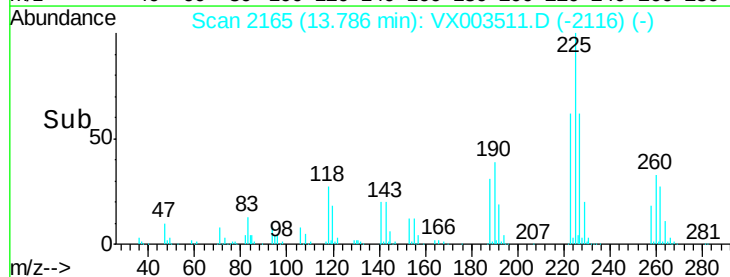
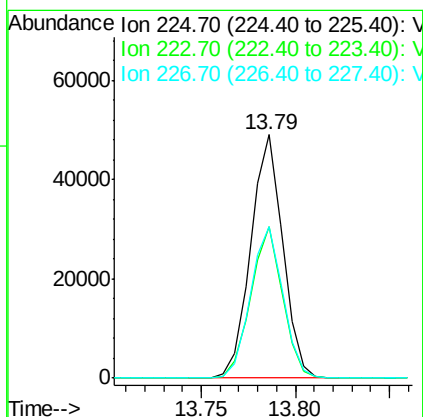
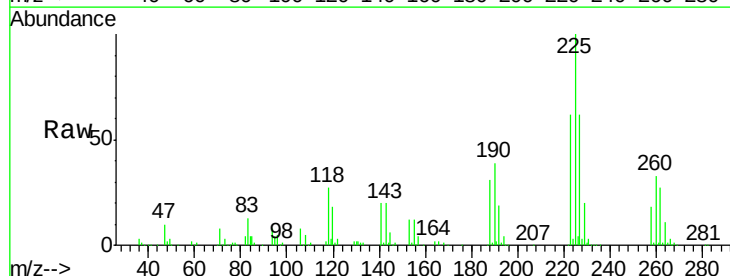
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0720WBS02

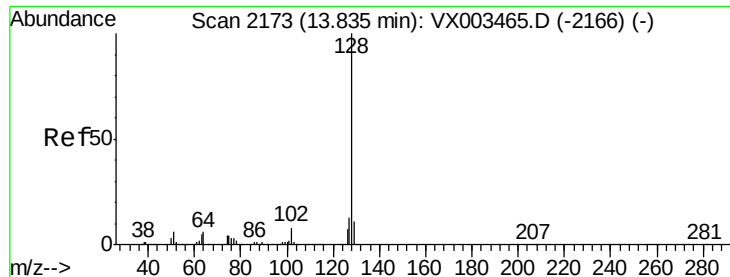
Tot Ion:180 Resp: 120083
 Ion Ratio Lower Upper
 180 100
 182 96.0 47.7 143.1
 145 27.6 14.1 42.4



#94
 Hexachlorobutadiene
 Concen: 18.98 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX003511.D
 Acq: 20 Jul 2018 16:05

Tgt Ion:225 Resp: 57760
 Ion Ratio Lower Upper
 225 100
 223 61.6 31.6 95.0
 227 62.9 32.4 97.2

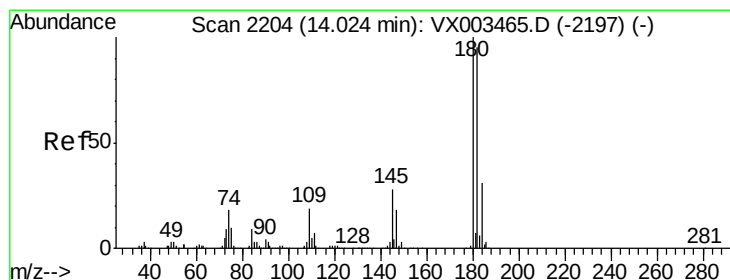
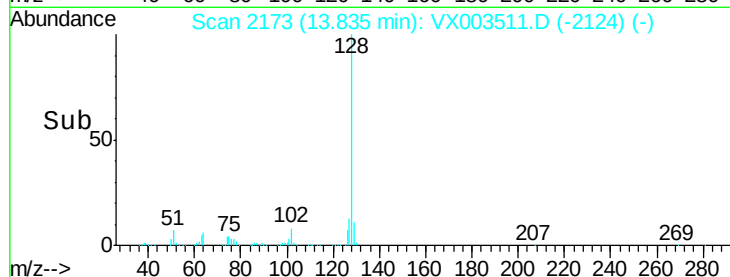
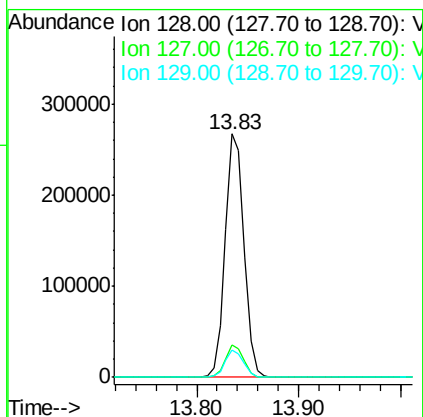
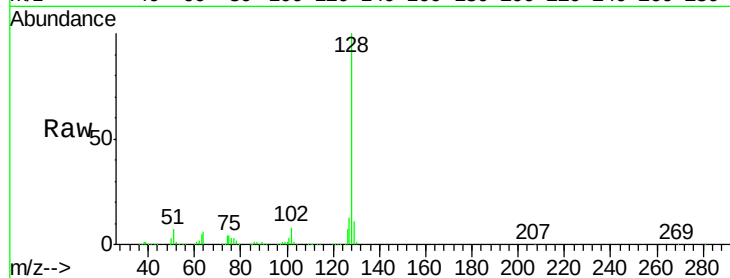




#95
Naphthalene
Concen: 20.42 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. 0.00 min
Lab File: VX003511.D
Acq: 20 Jul 2018 16:05

Instrument :
MSVOA_X
ClientSampleId :
VX0720WBS02

Tot Ion:128 Resp: 339463
Ion Ratio Lower Upper
128 100
127 12.9 10.4 15.6
129 11.0 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 19.55 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VX003511.D
Acq: 20 Jul 2018 16:05

Tgt Ion:180 Resp: 122436
Ion Ratio Lower Upper
180 100
182 95.9 48.0 144.0
145 29.3 14.8 44.3

