

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102318\
 Data File : VX005515.D
 Acq On : 23 Oct 2018 12:13
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 24 01:11:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 11:28:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	213304	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	303820	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	267207	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	156386	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	126637	53.49	ug/l	0.00
Spiked Amount			Recovery	=	106.98%	
35) Dibromofluoromethane	5.49	113	107893	53.62	ug/l	0.00
Spiked Amount			Recovery	=	107.24%	
50) Toluene-d8	8.72	98	362018	52.40	ug/l	0.00
Spiked Amount			Recovery	=	104.80%	
62) 4-Bromofluorobenzene	11.14	95	138946	53.54	ug/l	0.00
Spiked Amount			Recovery	=	107.08%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	83013	49.775	ug/l	99
3) Chloromethane	1.32	50	107677	44.557	ug/l	99
4) Vinyl Chloride	1.40	62	108714	44.409	ug/l	99
5) Bromomethane	1.64	94	70609	51.058	ug/l	93
6) Chloroethane	1.71	64	72610	50.239	ug/l	98
7) Trichlorofluoromethane	1.92	101	162402	49.712	ug/l	99
8) Diethyl Ether	2.19	74	65962	47.283	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	2.38	101	100346	53.219	ug/l	98
10) Methyl Iodide	2.51	142	100556	48.705	ug/l	97
11) Tert butyl alcohol	3.07	59	160660	240.584	ug/l	99
12) 1,1-Dichloroethene	2.37	96	88767	47.515	ug/l	83
13) Acrolein	2.29	56	87861	205.800	ug/l	96
14) Allyl chloride	2.73	41	209330	51.036	ug/l	95
15) Acrylonitrile	3.15	53	376992	249.125	ug/l	99
16) Acetone	2.45	43	303923	222.041	ug/l	94
17) Carbon Disulfide	2.57	76	236032	41.707	ug/l	98
18) Methyl Acetate	2.78	43	216064	55.484	ug/l	92
19) Methyl tert-butyl Ether	3.20	73	338167	51.396	ug/l	99
20) Methylene Chloride	2.85	84	107255	53.879	ug/l	88
21) trans-1,2-Dichloroethene	3.17	96	100712	48.645	ug/l	94
22) Diisopropyl ether	3.87	45	382298	55.492	ug/l #	96
23) Vinyl Acetate	3.82	43	1594925	264.875	ug/l #	91
24) 1,1-Dichloroethane	3.69	63	202121	51.192	ug/l	95
25) 2-Butanone	4.70	43	515198	257.255	ug/l #	84
26) 2,2-Dichloropropane	4.57	77	165870	56.172	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	115633	51.392	ug/l	95
28) Bromochloromethane	5.02	49	101233	56.243	ug/l	90
29) Tetrahydrofuran	5.15	42	352211	275.714	ug/l	90
30) Chloroform	5.21	83	198439	54.148	ug/l	97
31) Cyclohexane	5.57	56	169628	52.126	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	165276	51.830	ug/l	98
36) 1,1-Dichloropropene	5.79	75	144436	49.087	ug/l	99
37) Ethyl Acetate	4.85	43	196646	51.966	ug/l	96
38) Carbon Tetrachloride	5.78	117	148899	50.362	ug/l	91

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Quant Time: Oct 24 01:11:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 11:28:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	151417	47.546	ug/l	95
40) Benzene	6.14	78	413792	46.879	ug/l	100
41) Methacrylonitrile	5.06	41	106072	52.286	ug/l	94
42) 1,2-Dichloroethane	6.20	62	157785	50.625	ug/l	96
43) Isopropyl Acetate	6.46	43	286862	56.908	ug/l	95
44) Trichloroethene	7.21	130	107500	47.668	ug/l	100
45) 1,2-Dichloropropane	7.52	63	111448	51.472	ug/l	94
46) Dibromomethane	7.66	93	68803	48.146	ug/l	97
47) Bromodichloromethane	7.90	83	137792	52.128	ug/l	98
48) Methyl methacrylate	7.77	41	136359	52.157	ug/l	95
49) 1,4-Dioxane	7.76	88	51916	860.952	ug/l	93
51) 4-Methyl-2-Pentanone	8.65	43	932353	267.126	ug/l	93
52) Toluene	8.79	92	243837	50.494	ug/l	96
53) t-1,3-Dichloropropene	9.04	75	154339	53.952	ug/l	98
54) cis-1,3-Dichloropropene	8.44	75	165169	53.287	ug/l	97
55) 1,1,2-Trichloroethane	9.22	97	104976	51.323	ug/l	98
56) Ethyl methacrylate	9.18	69	163374	54.791	ug/l	93
57) 1,3-Dichloropropane	9.37	76	174921	51.238	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	463225	277.010	ug/l	93
59) 2-Hexanone	9.50	43	733833	261.372	ug/l	92
60) Dibromochloromethane	9.58	129	110709	52.363	ug/l	99
61) 1,2-Dibromoethane	9.68	107	107968	50.298	ug/l	100
64) Tetrachloroethene	9.34	164	109999	51.135	ug/l	99
65) Chlorobenzene	10.14	112	278409	48.983	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.23	131	104915	51.797	ug/l	98
67) Ethyl Benzene	10.26	91	481284	52.087	ug/l	98
68) m/p-Xylenes	10.36	106	371197	103.502	ug/l	93
69) o-Xylene	10.70	106	178395	51.577	ug/l	96
70) Styrene	10.71	104	303103	53.278	ug/l	96
71) Bromoform	10.86	173	92367	51.030	ug/l #	99
73) Isopropylbenzene	11.02	105	499589	53.738	ug/l	99
74) N-amyl acetate	10.90	43	242219	54.019	ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.27	83	172028	49.053	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	202708	66.824	ug/l	88
77) Bromobenzene	11.26	156	131526	49.480	ug/l	98
78) n-propylbenzene	11.36	91	578898	54.112	ug/l	99
79) 2-Chlorotoluene	11.42	91	341502	52.123	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	428578	53.834	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.07	75	51711	51.797	ug/l #	94
82) 4-Chlorotoluene	11.51	91	408141	52.550	ug/l	98
83) tert-Butylbenzene	11.77	119	420764	52.192	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	443153	54.091	ug/l	97
85) sec-Butylbenzene	11.95	105	514746	53.953	ug/l	98
86) p-Isopropyltoluene	12.07	119	465848	54.023	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	246885	49.704	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	252292	49.650	ug/l	99
89) n-Butylbenzene	12.39	91	421172	53.793	ug/l	98
90) Hexachloroethane	12.60	117	75897	51.070	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	251366	49.591	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	41857	48.930	ug/l	94

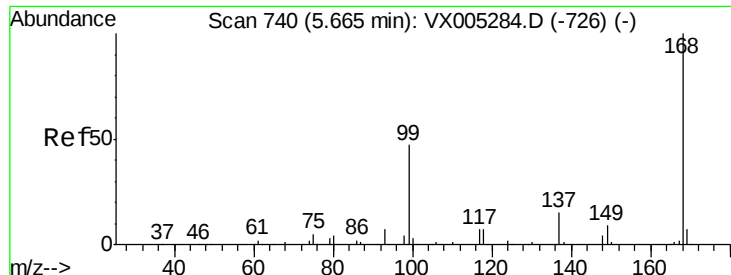
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX102318\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 12 11:28:43 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	193087	51.921	ug/l	98
94) Hexachlorobutadiene	13.79	225	97258	49.518	ug/l	97
95) Naphthalene	13.83	128	584024	54.151	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	194998	51.246	ug/l	99

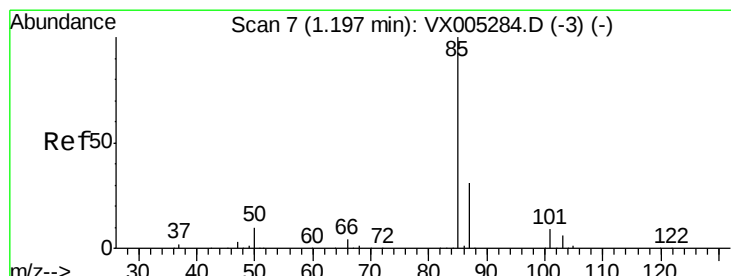
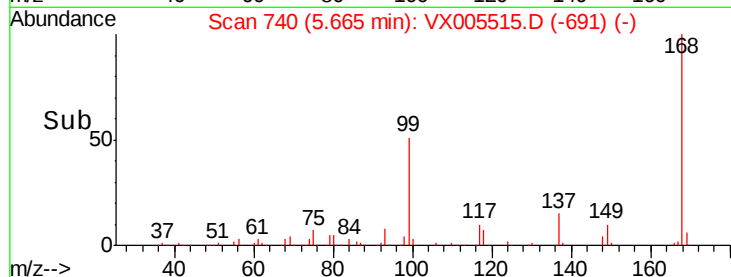
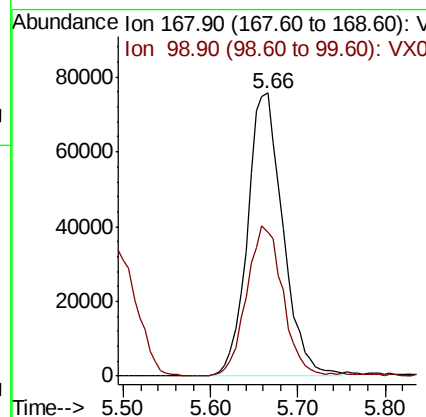
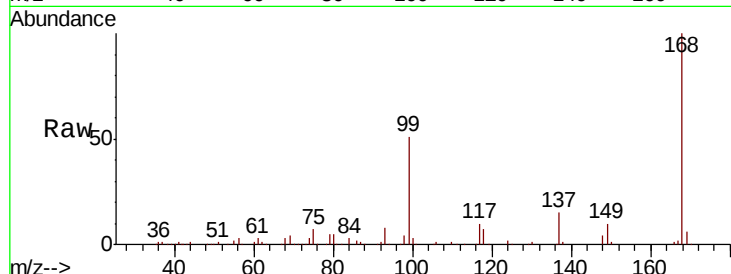
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.66 min Scan# 740
Delta R.T. -0.00 min
Lab File: VX005515.D
Acq: 23 Oct 2018 12:13

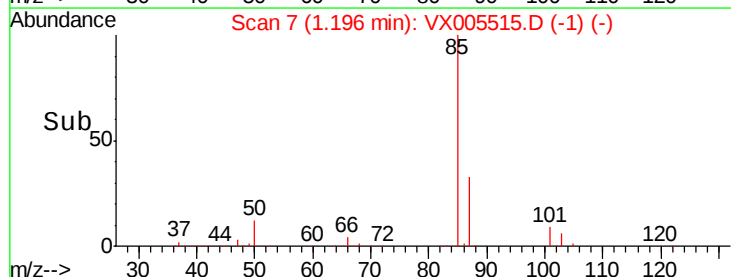
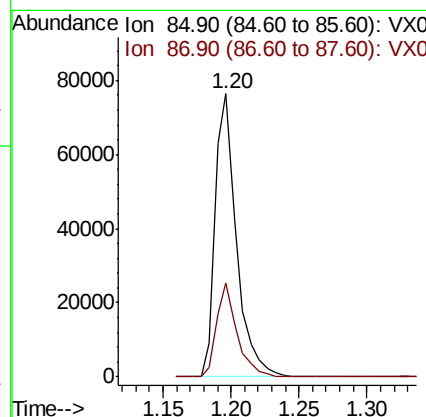
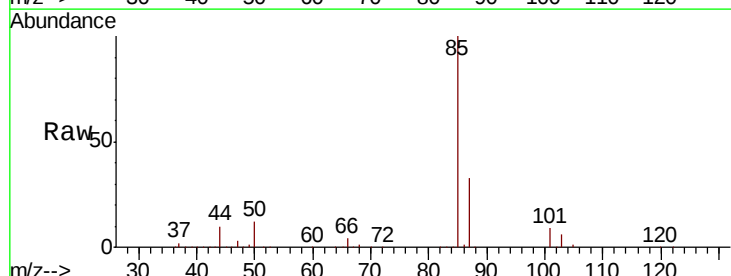
Instrument :
MSVOA_X
ClientSampleId :

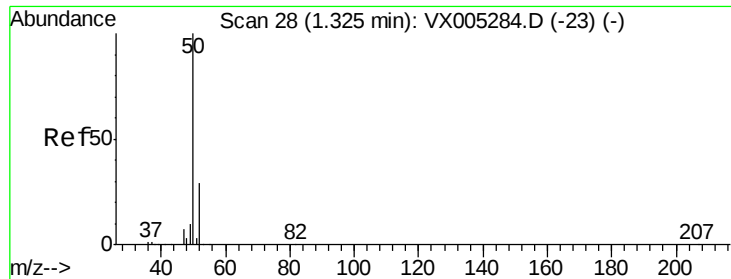
Tot Ion:168 Resp: 213304
Ion Ratio Lower Upper
168 100
99 50.7 39.9 59.9



#2
Dichlorodifluoromethane
Concen: 49.775 ug/l
RT: 1.20 min Scan# 7
Delta R.T. -0.00 min
Lab File: VX005515.D
Acq: 23 Oct 2018 12:13

Tgt Ion: 85 Resp: 83013
Ion Ratio Lower Upper
85 100
87 33.4 17.0 50.9





#3

Chloromethane

Concen: 44.557 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005515.D

Acq: 23 Oct 2018 12:13

Instrument :

MSVOA_X

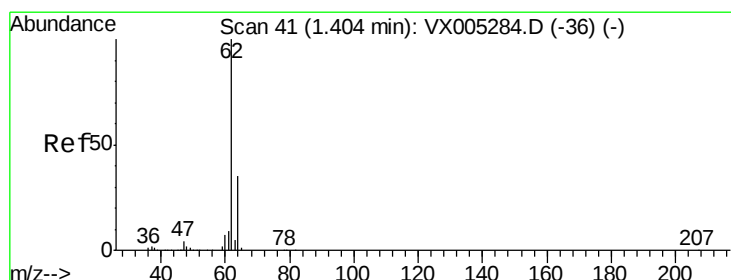
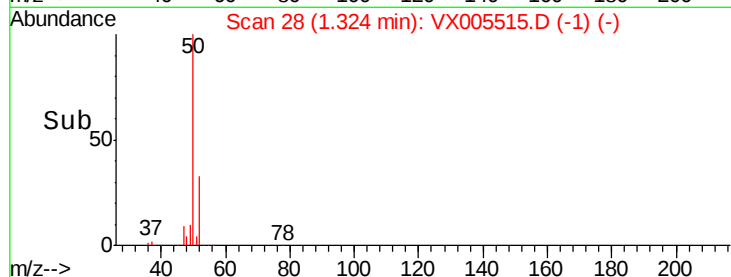
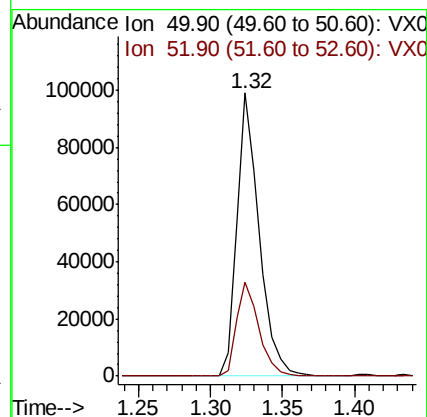
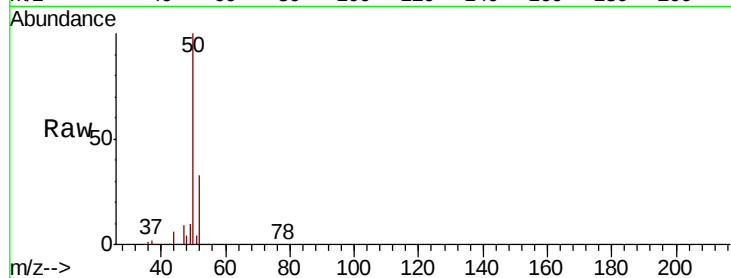
ClientSampleId :

Tot Ion: 50 Resp: 107677

Ion Ratio Lower Upper

50 100

52 33.0 26.2 39.2



#4

Vinyl Chloride

Concen: 44.409 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX005515.D

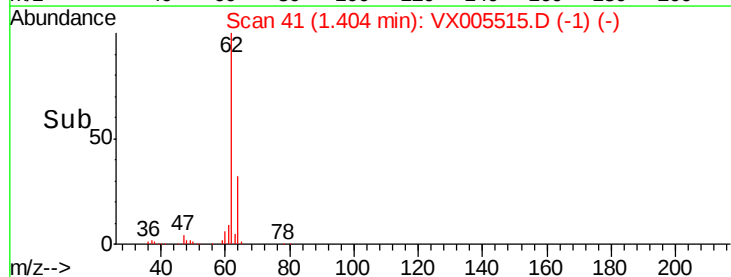
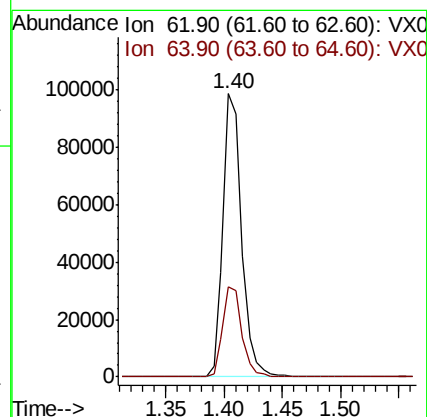
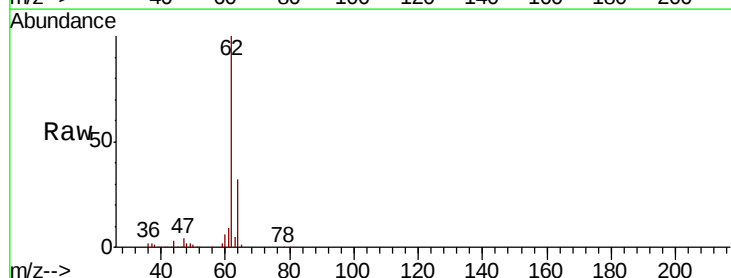
Acq: 23 Oct 2018 12:13

Tgt Ion: 62 Resp: 108714

Ion Ratio Lower Upper

62 100

64 31.7 25.8 38.8





#5

Bromomethane

Concen: 51.058 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX005515.D

Acq: 23 Oct 2018 12:13

Instrument :

MSVOA_X

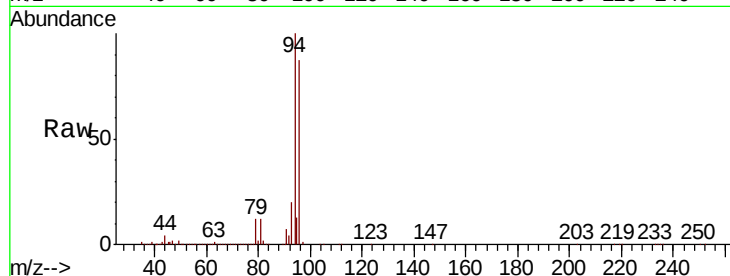
ClientSampleId :

Tot Ion: 94 Resp: 70609

Ion Ratio Lower Upper

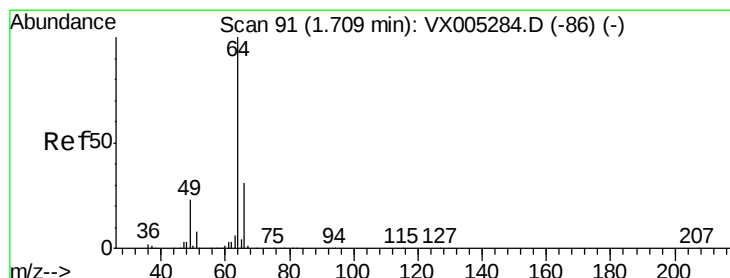
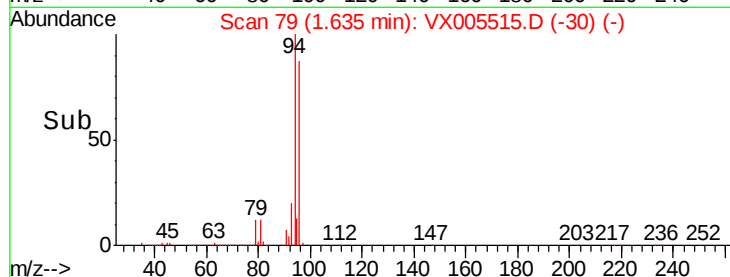
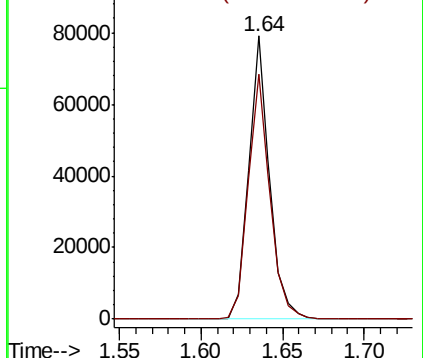
94 100

96 86.6 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 50.239 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.01 min

Lab File: VX005515.D

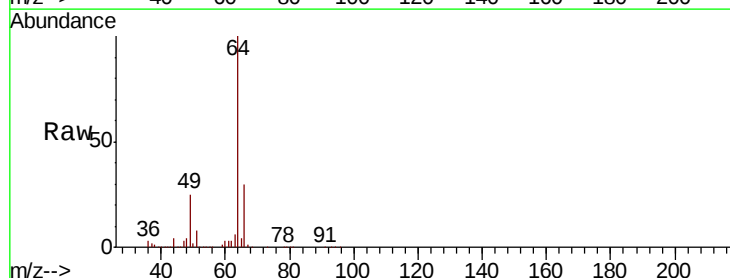
Acq: 23 Oct 2018 12:13

Tgt Ion: 64 Resp: 72610

Ion Ratio Lower Upper

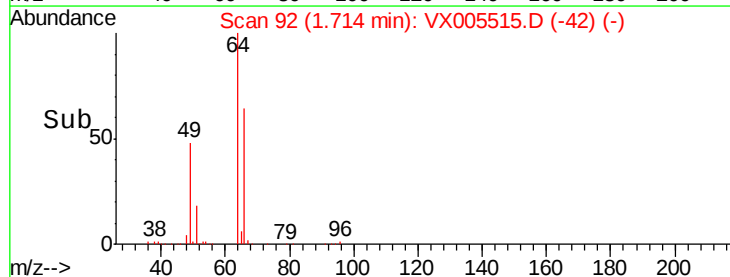
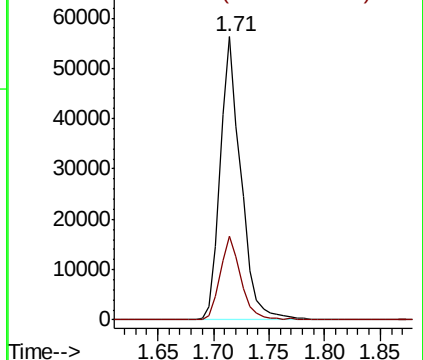
64 100

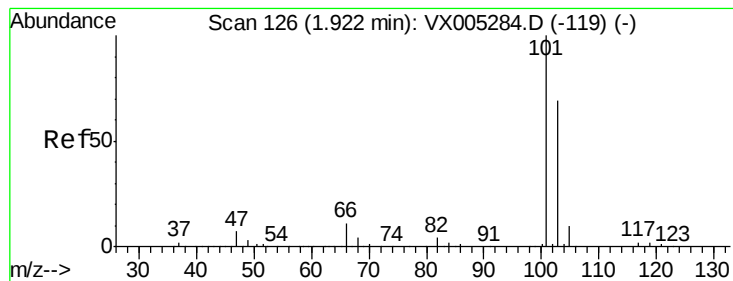
66 29.6 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



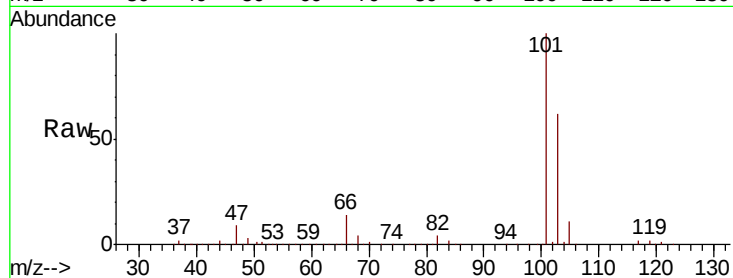


#7

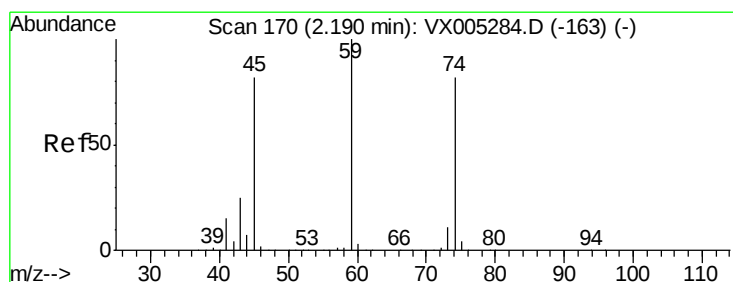
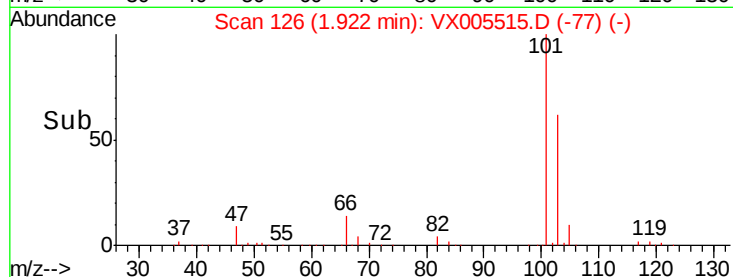
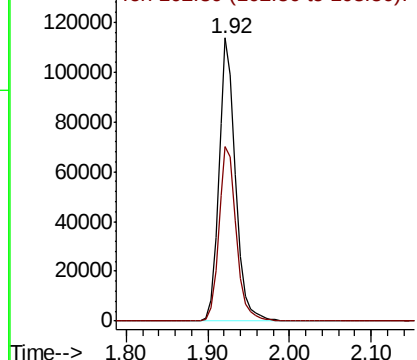
Trichlorofluoromethane
Concen: 49.712 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.00 min
Lab File: VX005515.D
Acq: 23 Oct 2018 12:13

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:101 Resp: 162402
Ion Ratio Lower Upper
101 100
103 61.8 48.9 73.3



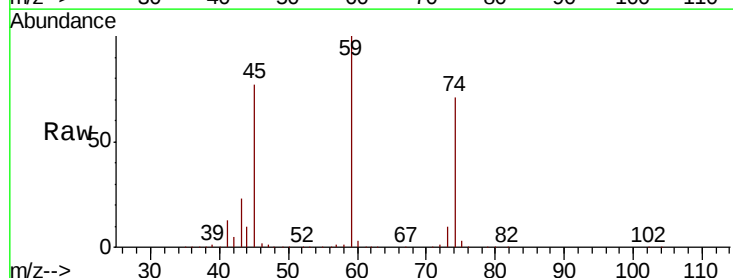
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



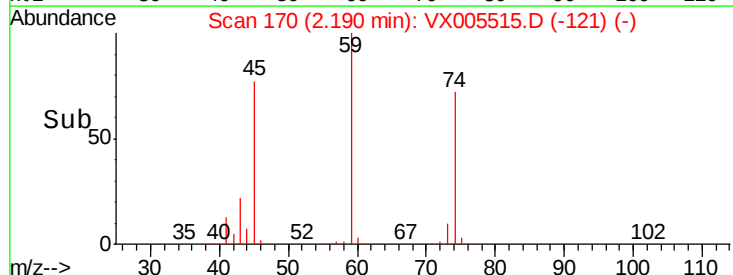
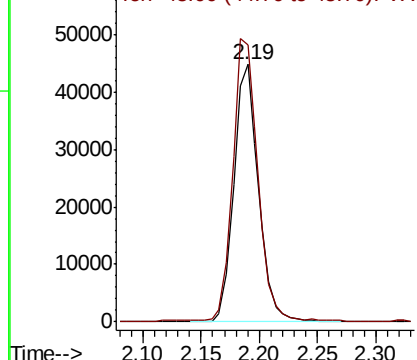
#8

Diethyl Ether
Concen: 47.283 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX005515.D
Acq: 23 Oct 2018 12:13

Tgt Ion: 74 Resp: 65962
Ion Ratio Lower Upper
74 100
45 111.4 48.3 144.8



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: 53.219 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX005515.D

Acq: 23 Oct 2018 12:13

Instrument :

MSVOA_X

ClientSampleId :

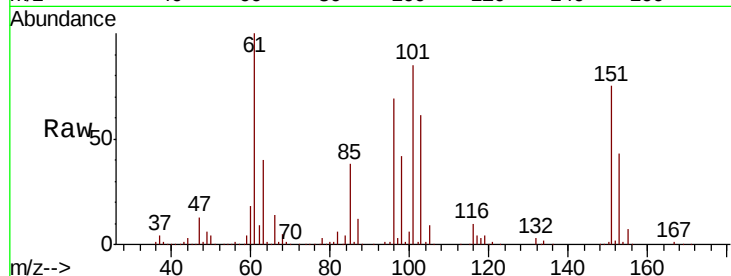
Tot Ion:101 Resp: 100346

Ion Ratio Lower Upper

101 100

85 43.5 34.2 51.4

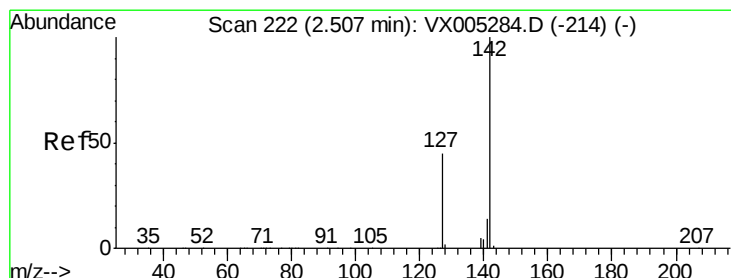
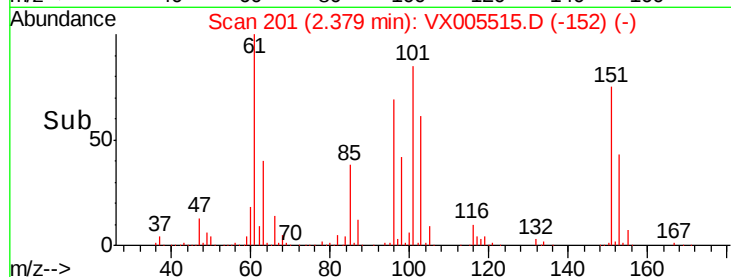
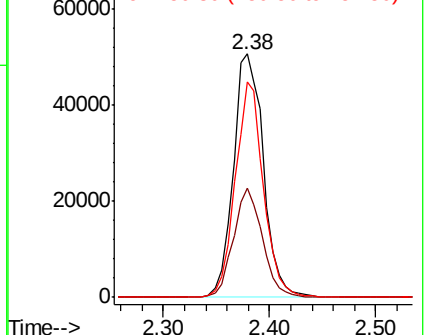
151 83.1 65.0 97.6



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: 48.705 ug/l

RT: 2.51 min Scan# 222

Delta R.T. -0.00 min

Lab File: VX005515.D

Acq: 23 Oct 2018 12:13

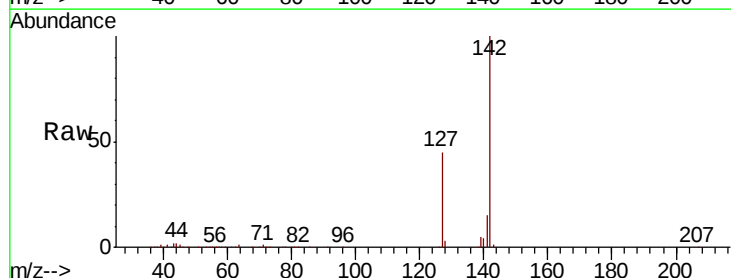
Tgt Ion:142 Resp: 100556

Ion Ratio Lower Upper

142 100

127 44.9 33.8 50.6

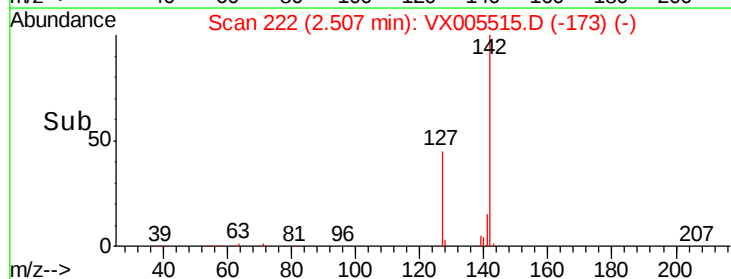
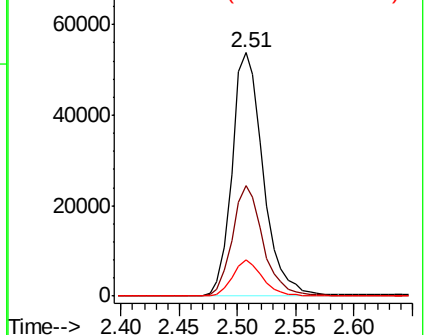
141 14.3 11.4 17.0

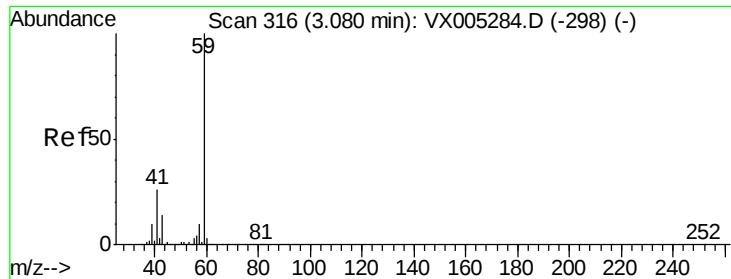


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



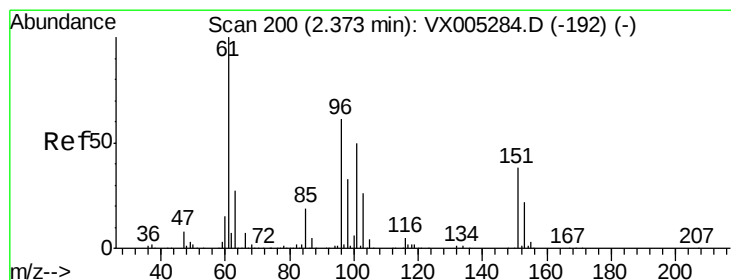
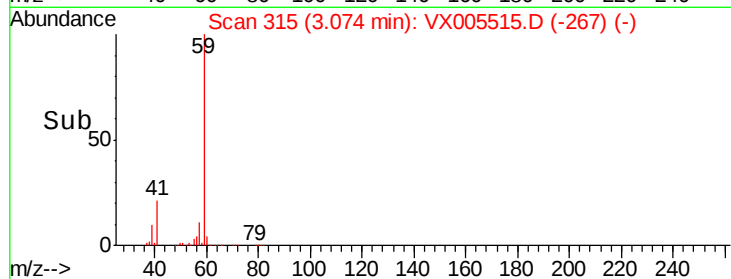
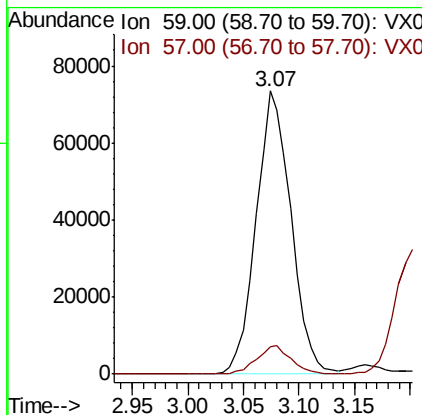
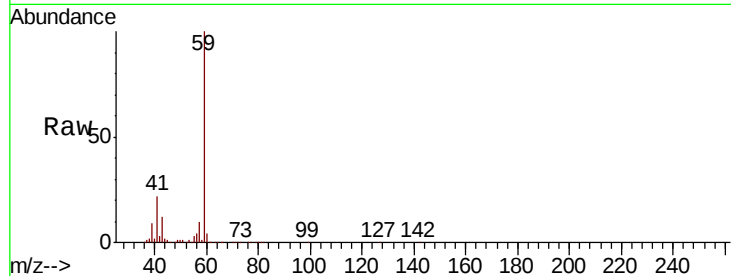


#11

Tert butyl alcohol
 Concen: 240.584 ug/l
 RT: 3.07 min Scan# 315
 Delta R.T. -0.01 min
 Lab File: VX005515.D
 Acq: 23 Oct 2018 12:13

Instrument :
 MSVOA_X
 ClientSampleId :

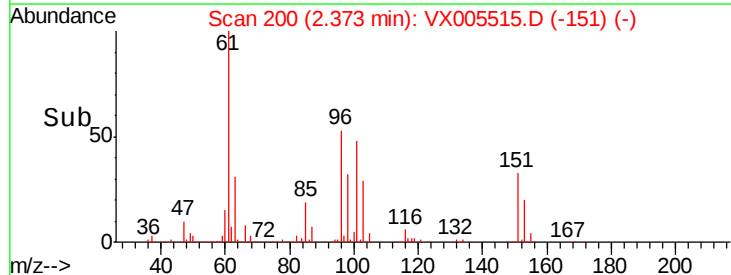
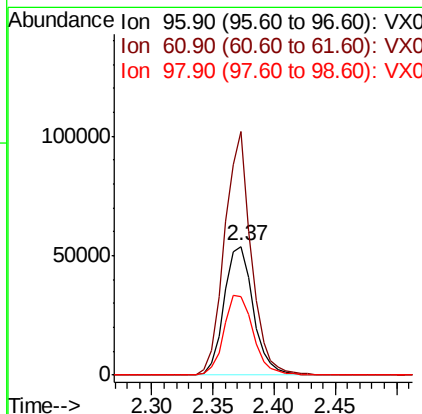
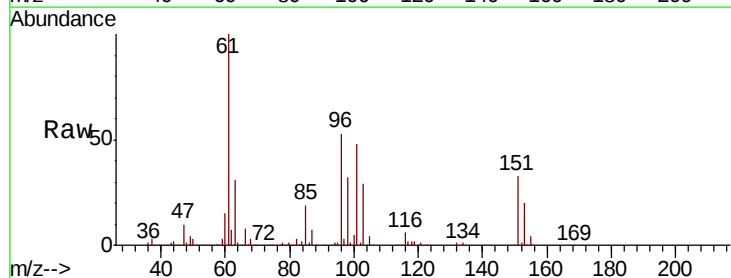
Tot Ion: 59 Resp: 160660
 Ion Ratio Lower Upper
 59 100
 57 10.0 8.2 12.4

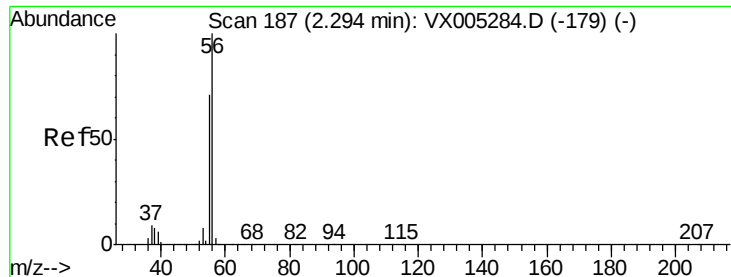


#12

1,1-Dichloroethene
 Concen: 47.515 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. -0.00 min
 Lab File: VX005515.D
 Acq: 23 Oct 2018 12:13

Tgt Ion: 96 Resp: 88767
 Ion Ratio Lower Upper
 96 100
 61 189.0 128.8 193.2
 98 61.1 52.2 78.2





#13

Acrolein

Concen: 205.800 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX005515.D

Acq: 23 Oct 2018 12:13

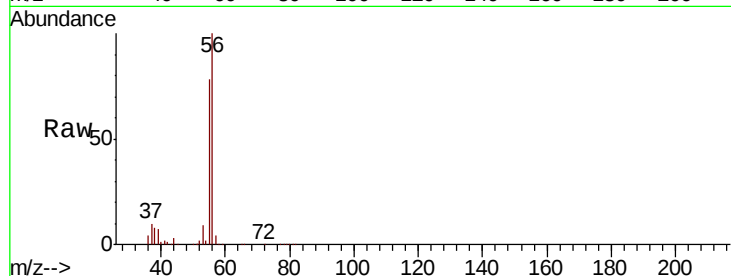
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 87861

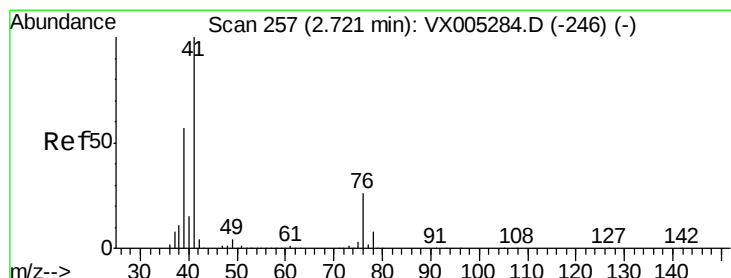
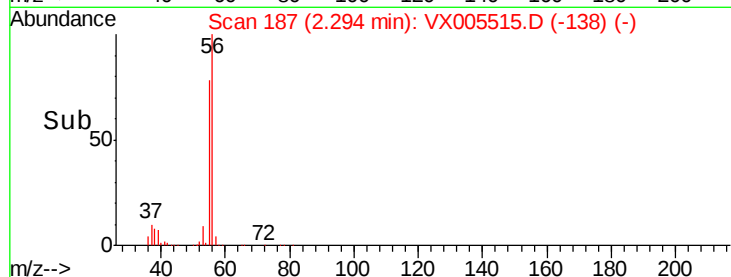
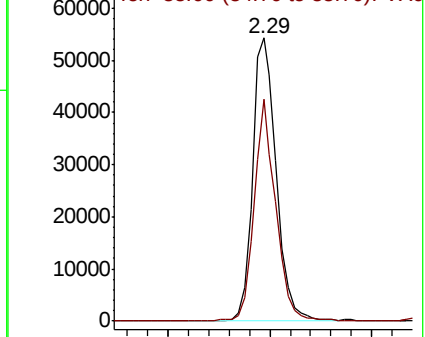
Ion Ratio Lower Upper

56 100

55 71.5 54.7 82.1



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 51.036 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.01 min

Lab File: VX005515.D

Acq: 23 Oct 2018 12:13

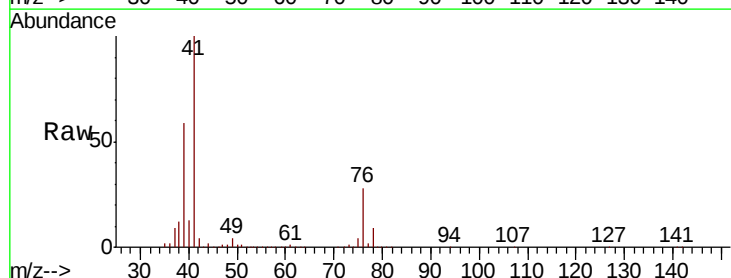
Tgt Ion: 41 Resp: 209330

Ion Ratio Lower Upper

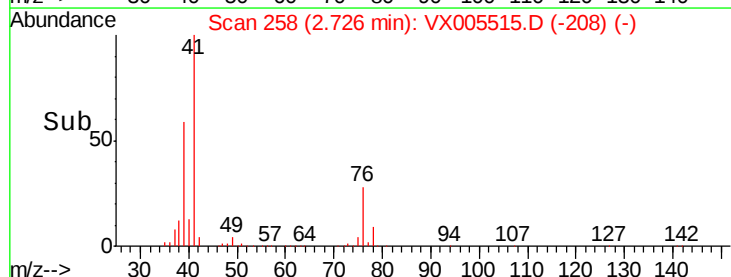
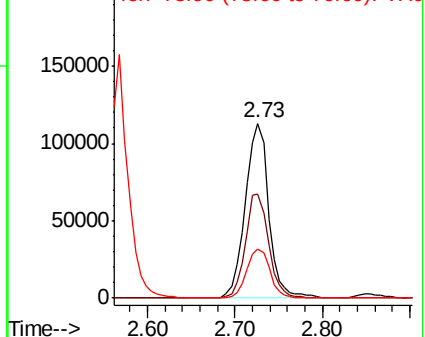
41 100

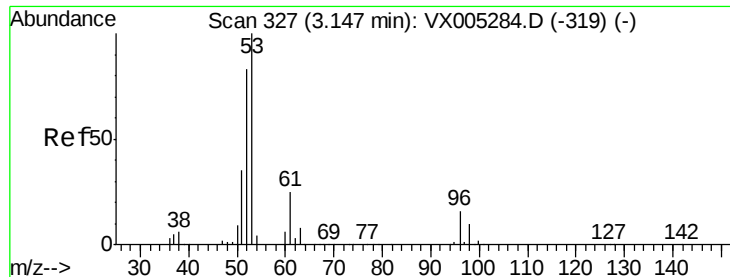
39 58.8 48.9 73.3

76 28.1 26.7 40.1



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 249.125 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX005515.D

Acq: 23 Oct 2018 12:13

Instrument :

MSVOA_X

ClientSampleId :

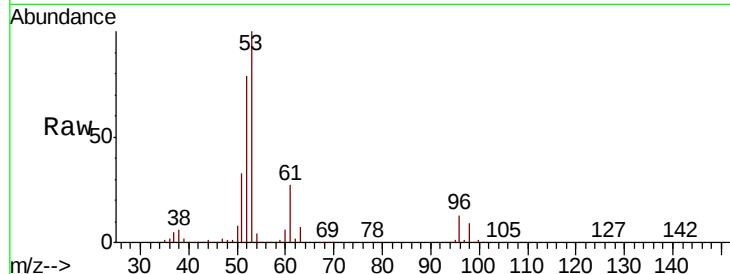
Tot Ion: 53 Resp: 376992

Ion Ratio Lower Upper

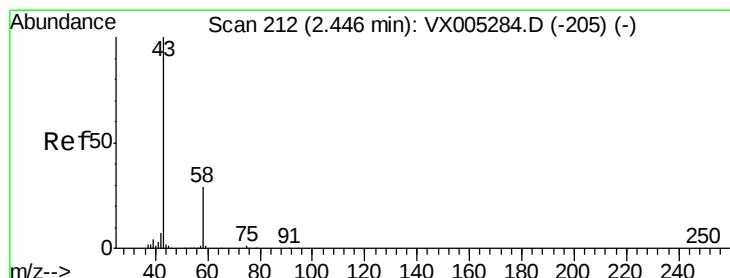
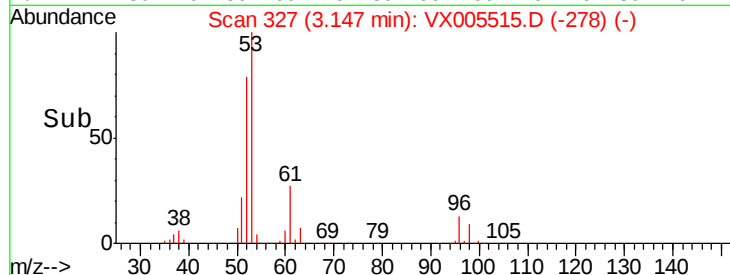
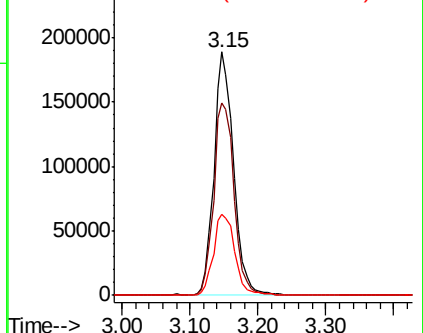
53 100

52 82.0 65.2 97.8

51 36.3 28.2 42.2



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



#16

Acetone

Concen: 222.041 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX005515.D

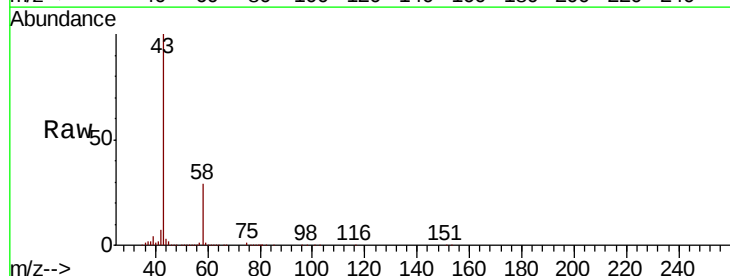
Acq: 23 Oct 2018 12:13

Tgt Ion: 43 Resp: 303923

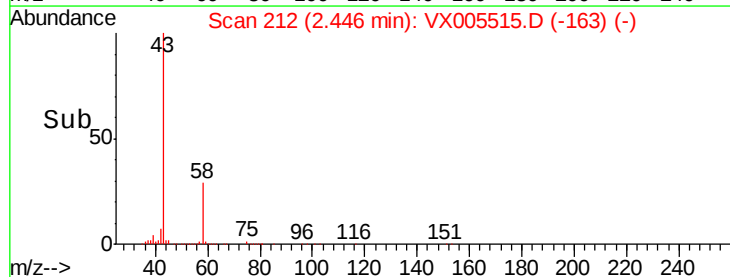
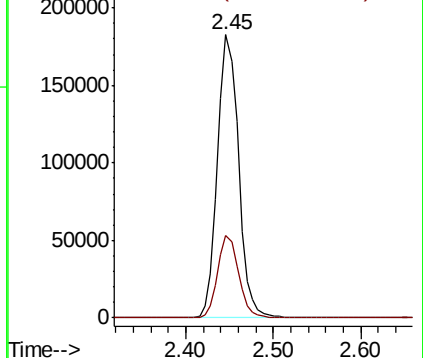
Ion Ratio Lower Upper

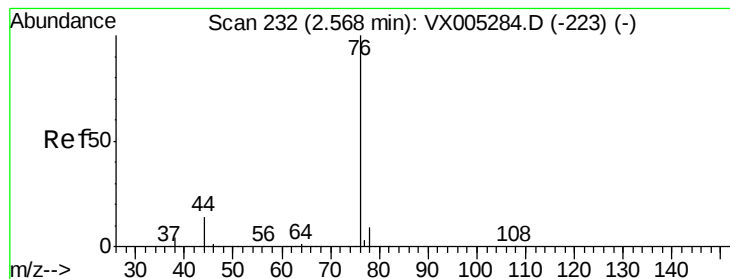
43 100

58 29.3 26.2 39.4



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





#17

Carbon Disulfide

Concen: 41.707 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX005515.D

Acq: 23 Oct 2018 12:13

Instrument :

MSVOA_X

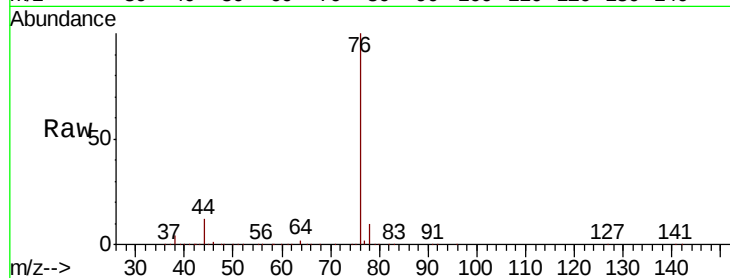
ClientSampleId :

Tot Ion: 76 Resp: 236032

Ion Ratio Lower Upper

76 100

78 9.6 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VX005284.D (-223) (-)

Ion 77.90 (77.60 to 78.60): VX005284.D (-223) (-)

2.57

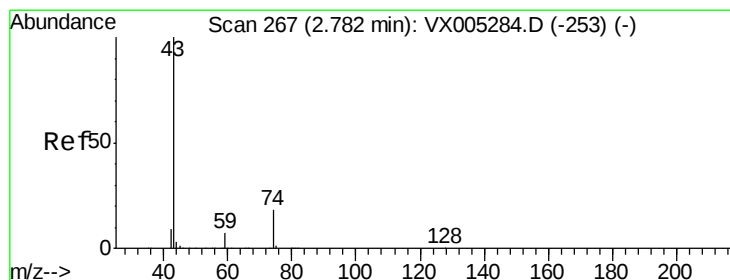
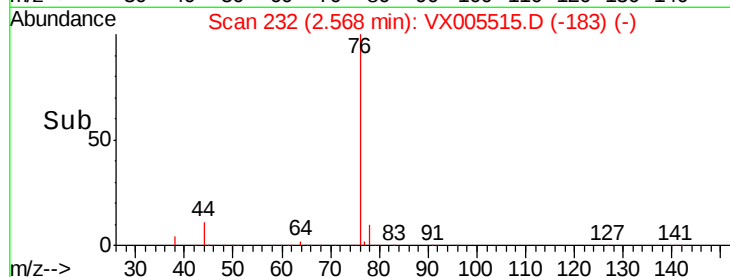
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 55.484 ug/l

RT: 2.78 min Scan# 267

Delta R.T. -0.00 min

Lab File: VX005515.D

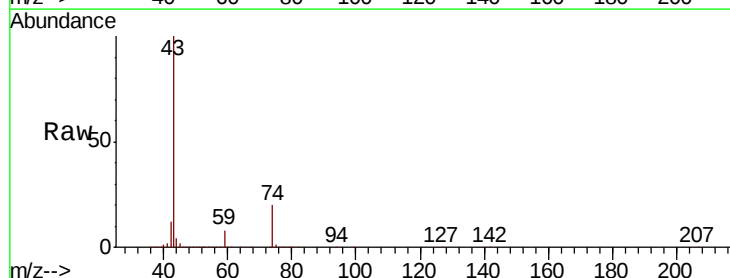
Acq: 23 Oct 2018 12:13

Tgt Ion: 43 Resp: 216064

Ion Ratio Lower Upper

43 100

74 20.2 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX005284.D (-253) (-)

Ion 74.00 (73.70 to 74.70): VX005284.D (-253) (-)

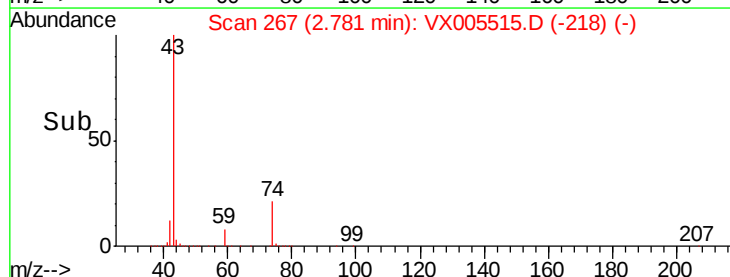
2.78

100000

50000

0

Time-->

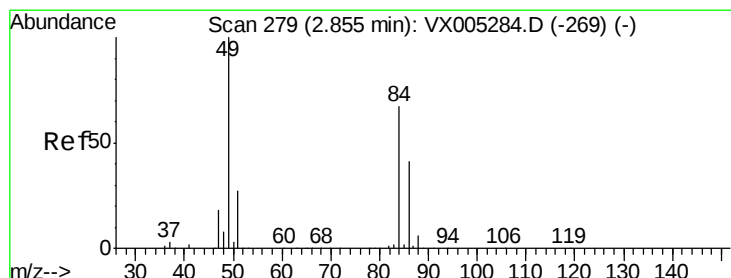
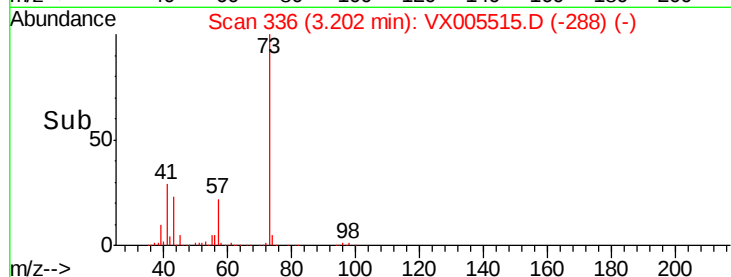
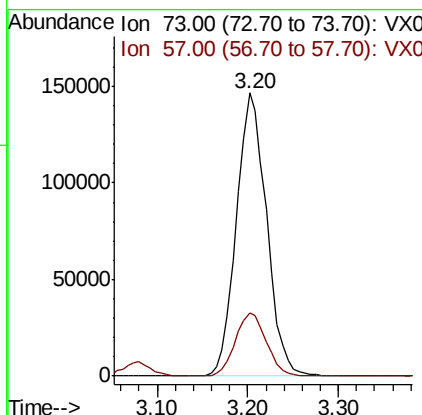
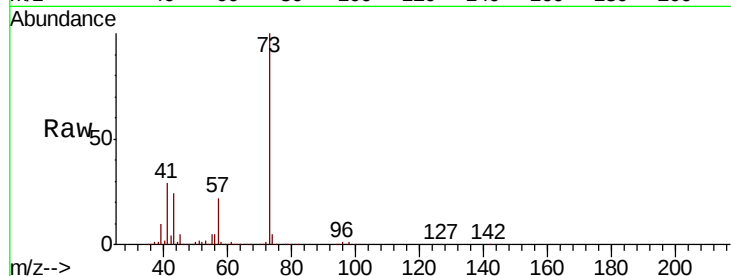




#19
Methyl tert-butyl Ether
Concen: 51.396 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.01 min
Lab File: VX005515.D
Acq: 23 Oct 2018 12:13

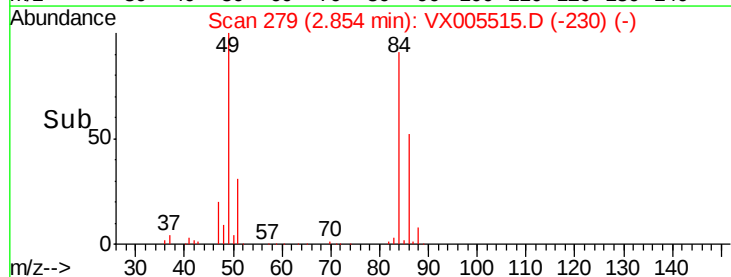
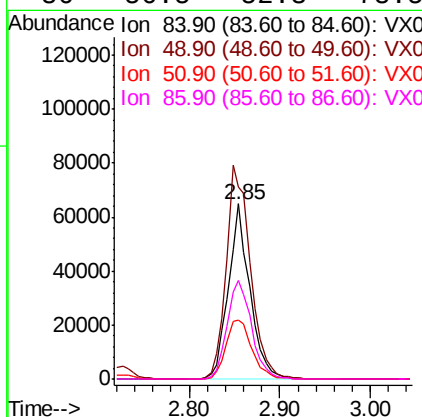
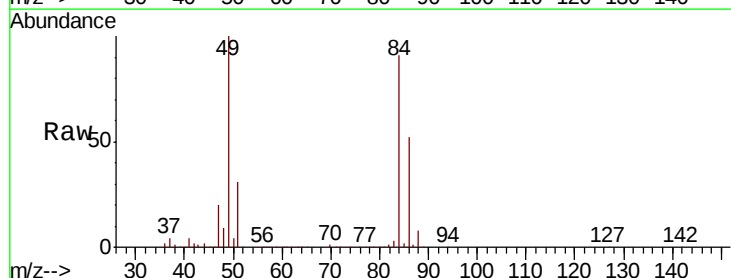
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 73 Resp: 338167
Ion Ratio Lower Upper
73 100
57 22.0 17.1 25.7



#20
Methylene Chloride
Concen: 53.879 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX005515.D
Acq: 23 Oct 2018 12:13

Tgt Ion: 84 Resp: 107255
Ion Ratio Lower Upper
84 100
49 109.5 101.2 151.8
51 33.5 29.5 44.3
86 56.5 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 48.645 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX005515.D

Acq: 23 Oct 2018 12:13

Instrument :
MSVOA_X
ClientSampled :

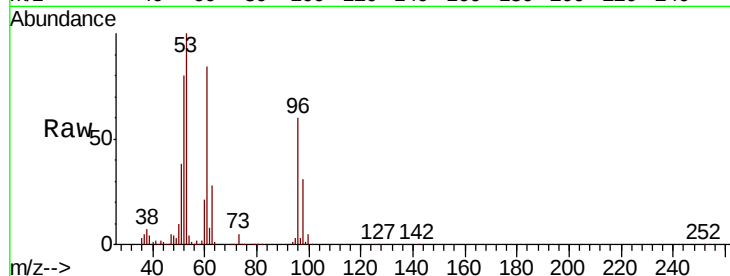
Tot Ion: 96 Resp: 100712

Ion Ratio Lower Upper

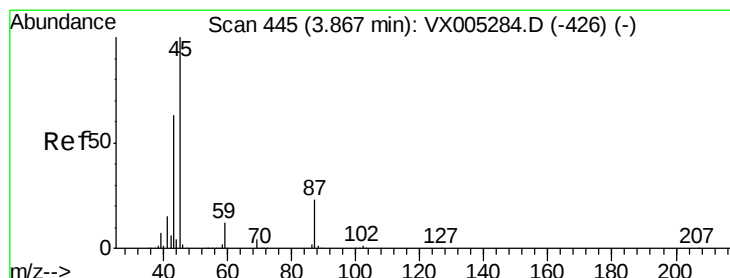
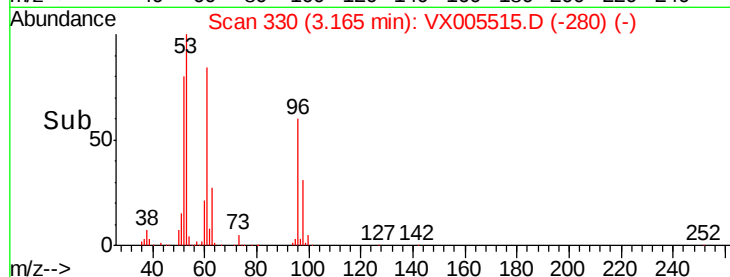
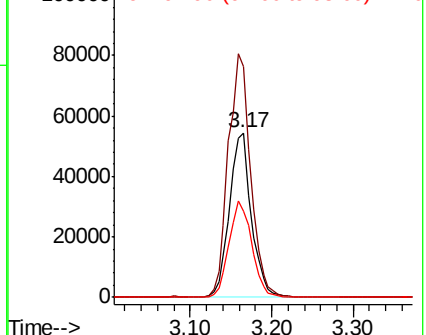
96 100

61 140.2 113.8 170.6

98 52.2 51.8 77.8



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



#22

Diisopropyl ether

Concen: 55.492 ug/l

RT: 3.87 min Scan# 445

Delta R.T. -0.00 min

Lab File: VX005515.D

Acq: 23 Oct 2018 12:13

Tgt Ion: 45 Resp: 382298

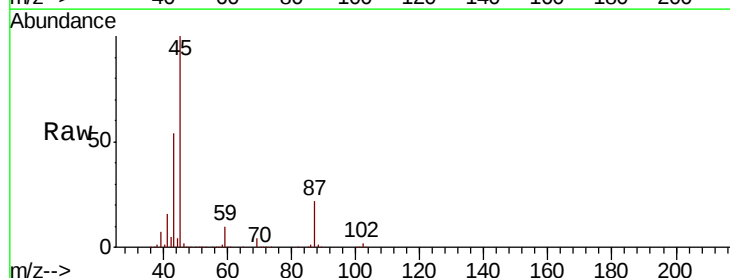
Ion Ratio Lower Upper

45 100

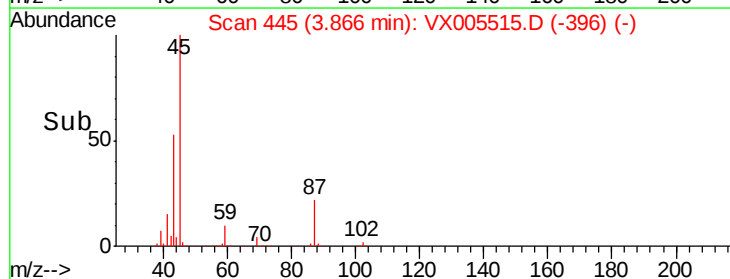
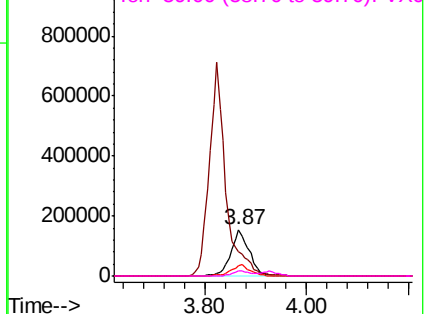
43 53.4 42.8 64.2

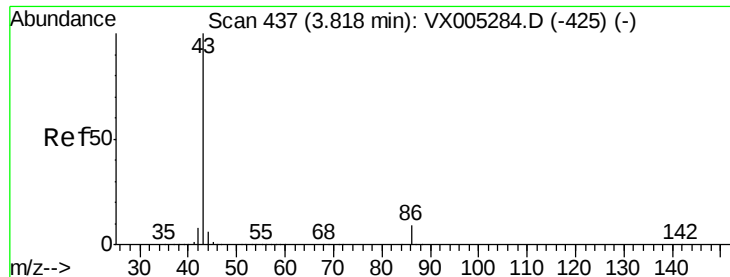
87 22.3 22.6 34.0#

59 9.9 9.6 14.4



Abundance Ion 45.00 (44.70 to 45.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 87.00 (86.70 to 87.70): VX0
Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 264.875 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.01 min

Lab File: VX005515.D

Acq: 23 Oct 2018 12:13

Instrument :

MSVOA_X

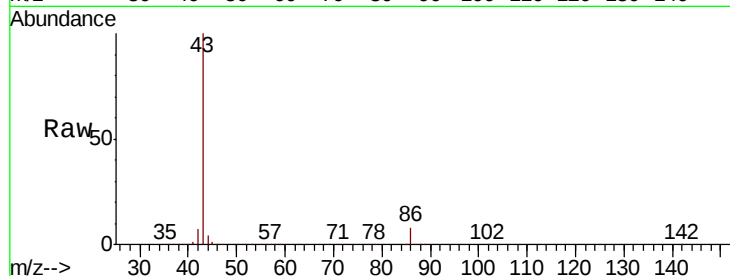
ClientSampleId :

Tot Ion: 43 Resp: 1594925

Ion Ratio Lower Upper

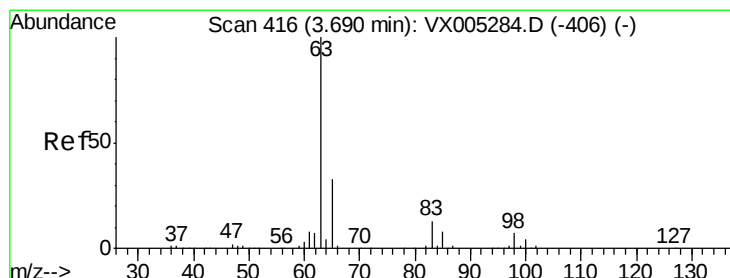
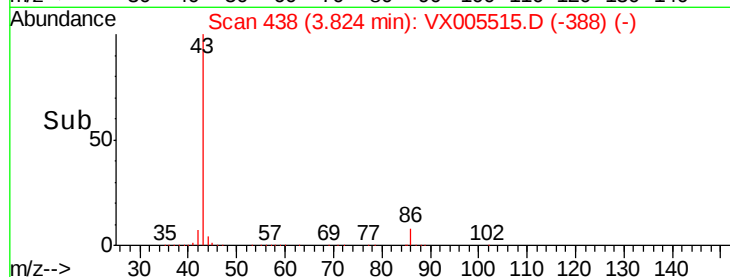
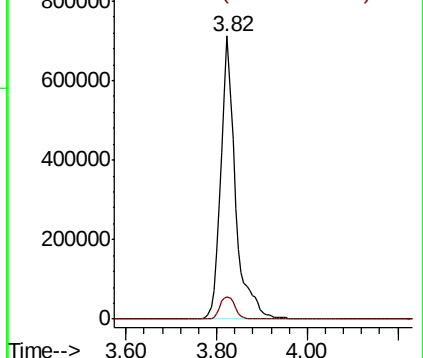
43 100

86 7.7 8.9 13.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 51.192 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.00 min

Lab File: VX005515.D

Acq: 23 Oct 2018 12:13

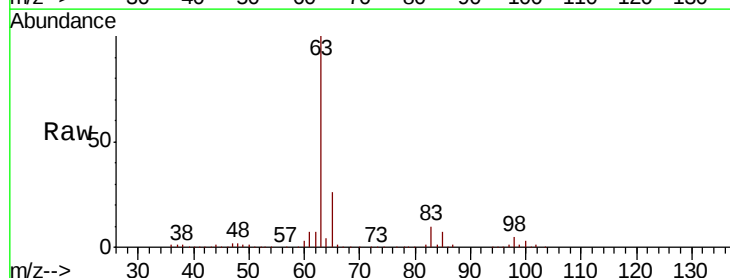
Tgt Ion: 63 Resp: 202121

Ion Ratio Lower Upper

63 100

98 5.0 3.5 10.4

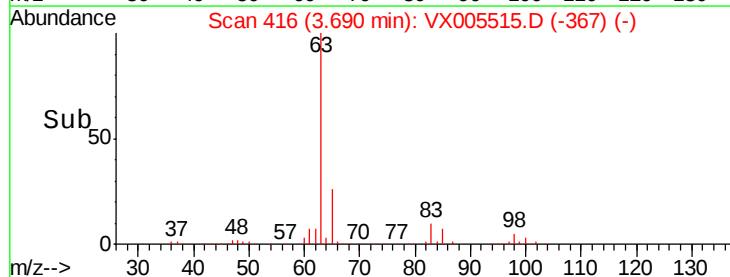
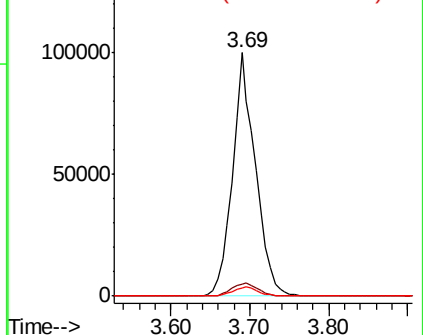
100 3.3 2.4 7.1

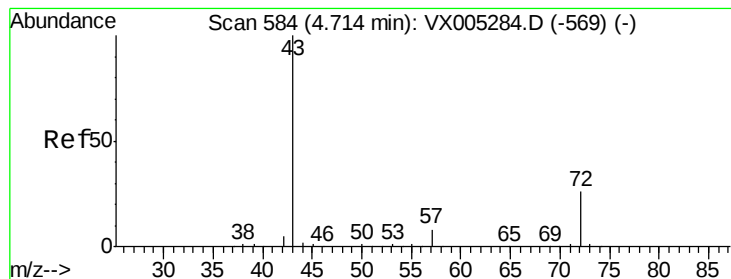


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 257.255 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.01 min

Lab File: VX005515.D

Acq: 23 Oct 2018 12:13

Instrument :

MSVOA_X

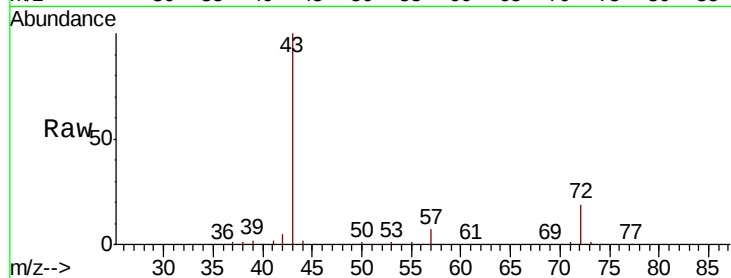
ClientSampleId :

Tot Ion: 43 Resp: 515198

Ion Ratio Lower Upper

43 100

72 18.9 22.0 33.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

250000

200000

150000

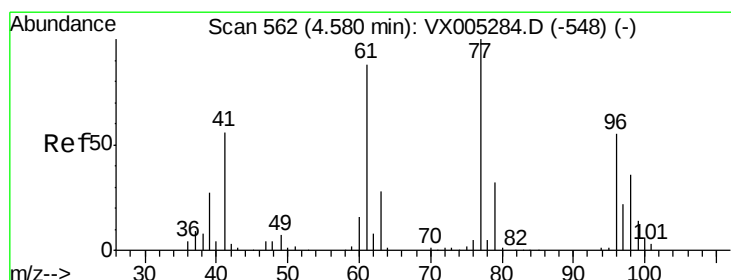
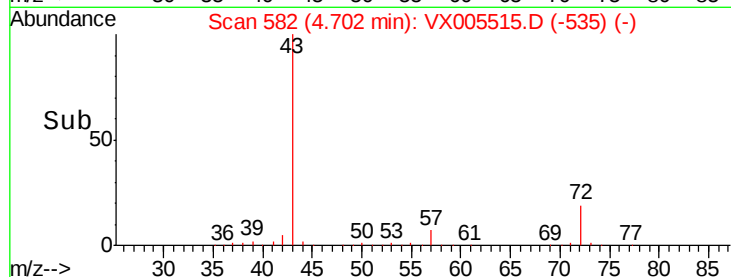
100000

50000

0

Time-->

4.60 4.70 4.80



#26

2,2-Dichloropropane

Concen: 56.172 ug/l

RT: 4.57 min Scan# 561

Delta R.T. -0.01 min

Lab File: VX005515.D

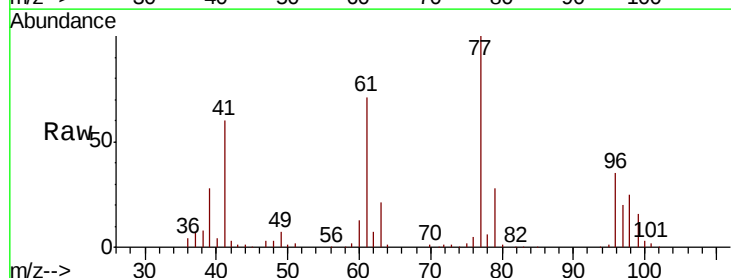
Acq: 23 Oct 2018 12:13

Tgt Ion: 77 Resp: 165870

Ion Ratio Lower Upper

77 100

97 22.3 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

60000

50000

40000

30000

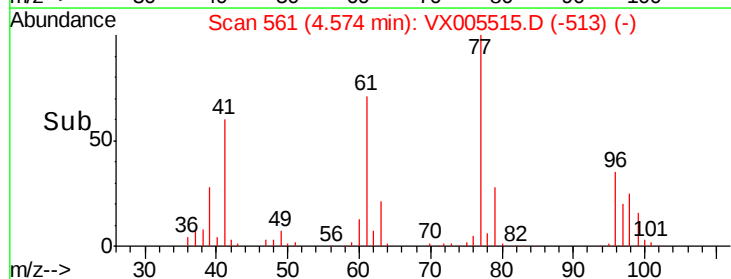
20000

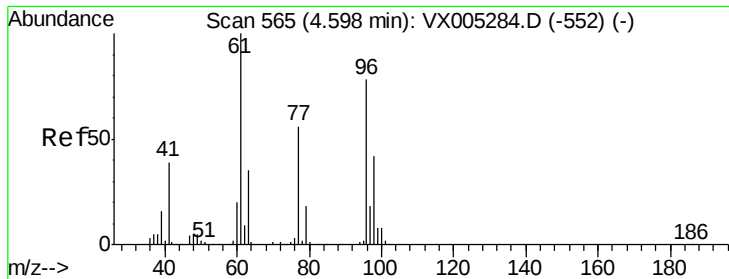
10000

0

Time-->

4.40 4.50 4.60 4.70 4.80



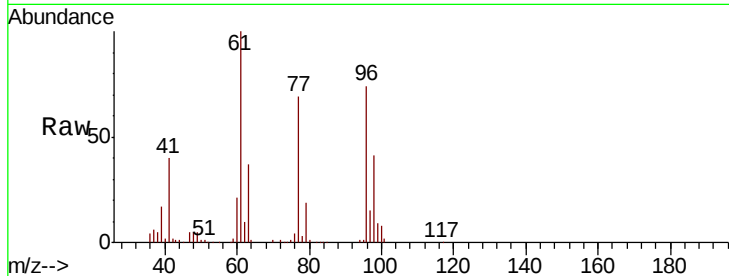


#27

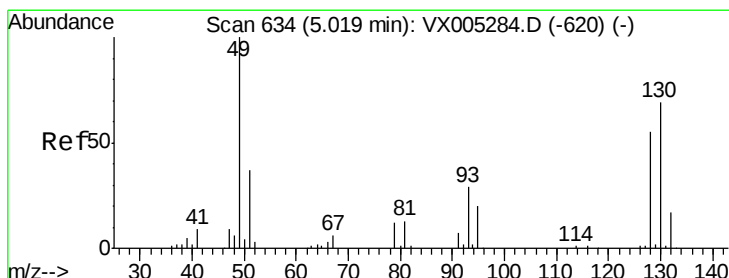
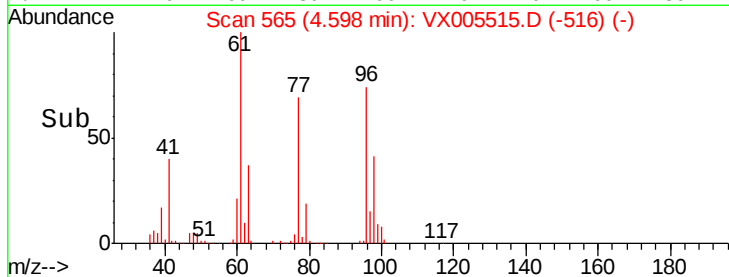
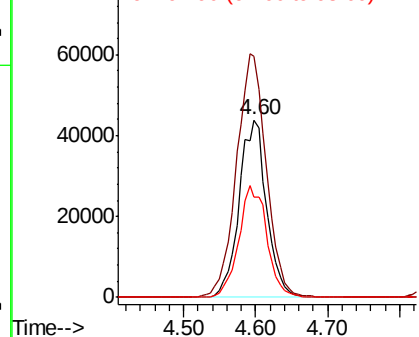
cis-1,2-Dichloroethene
Concen: 51.392 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX005515.D
Acq: 23 Oct 2018 12:13

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	96	Resp	115633
Ion Ratio	Lower	Upper	
96	100		
61	149.6	0.0	282.6
98	64.4	0.0	130.2



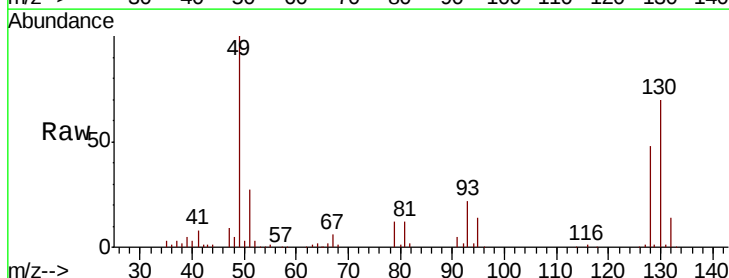
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



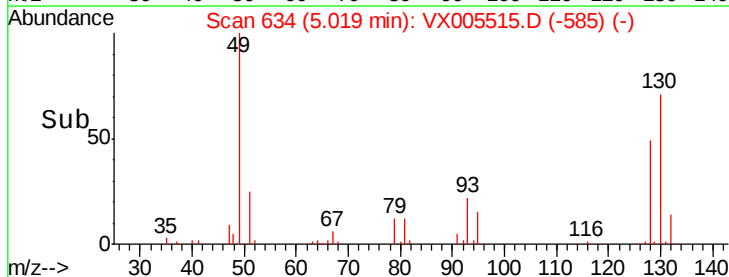
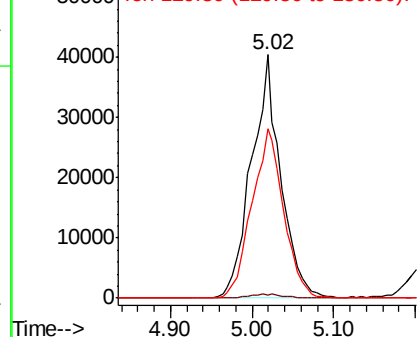
#28

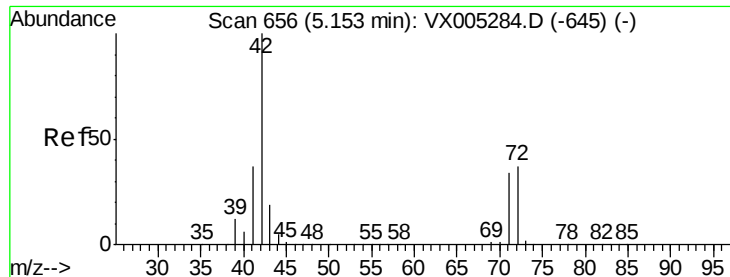
Bromochloromethane
Concen: 56.243 ug/l
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX005515.D
Acq: 23 Oct 2018 12:13

Tgt Ion	49	Resp	101233
Ion Ratio	Lower	Upper	
49	100		
129	2.1	0.0	4.2
130	75.3	67.5	101.3



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

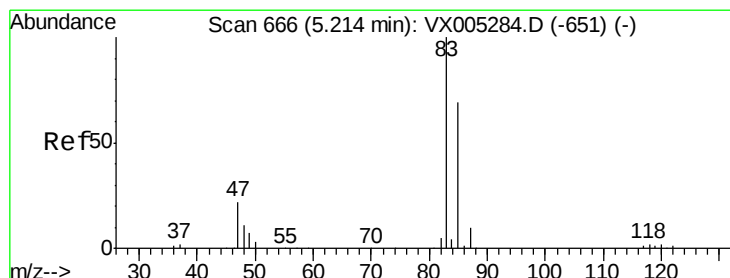
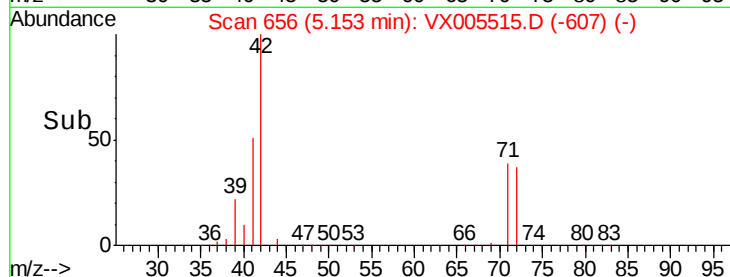
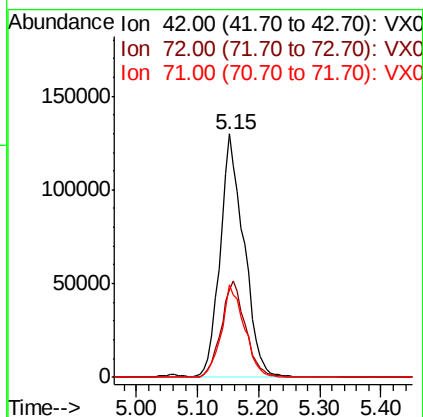
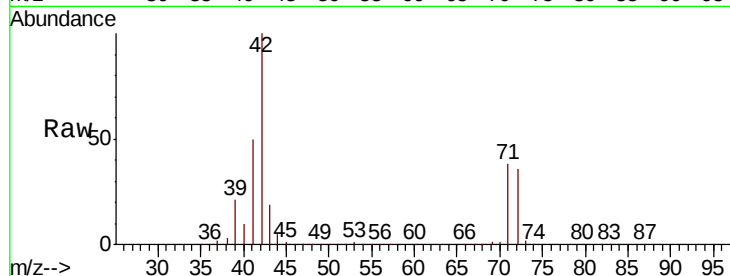




#29
Tetrahydrofuran
Concen: 275.714 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.00 min
Lab File: VX005515.D
Acq: 23 Oct 2018 12:13

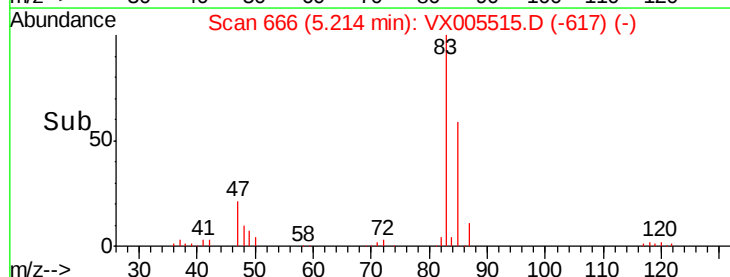
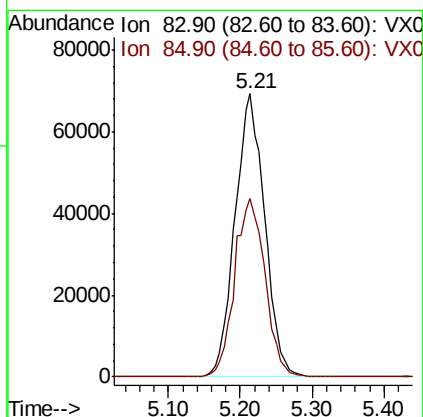
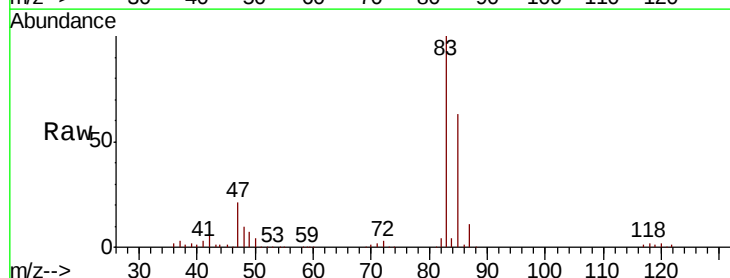
Instrument :
MSVOA_X
ClientSampleId :

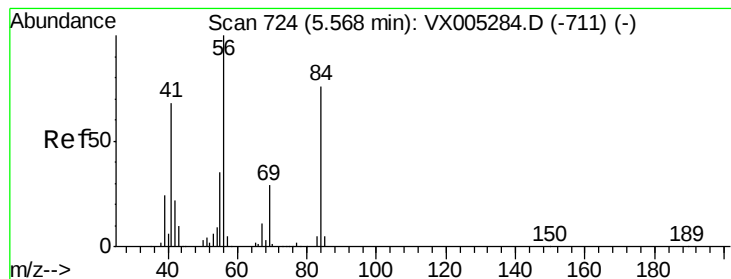
Tot Ion: 42 Resp: 352211
Ion Ratio Lower Upper
42 100
72 40.1 37.4 56.0
71 36.9 34.5 51.7



#30
Chloroform
Concen: 54.148 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX005515.D
Acq: 23 Oct 2018 12:13

Tgt Ion: 83 Resp: 198439
Ion Ratio Lower Upper
83 100
85 63.2 52.6 79.0





#31

Cyclohexane

Concen: 52.126 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.01 min

Lab File: VX005515.D

Acq: 23 Oct 2018 12:13

Instrument :
MSVOA_X
ClientSampleId :

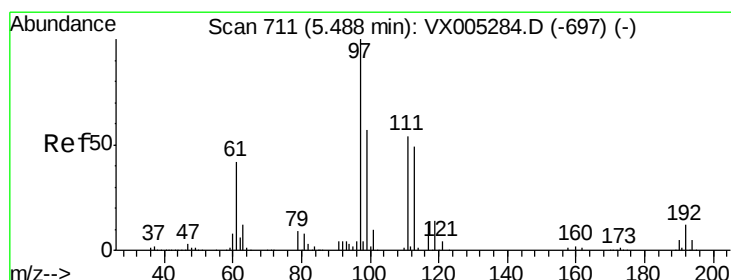
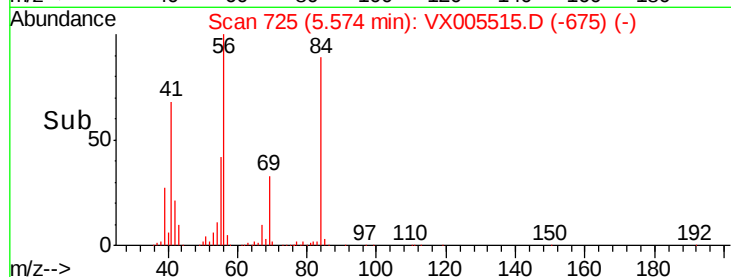
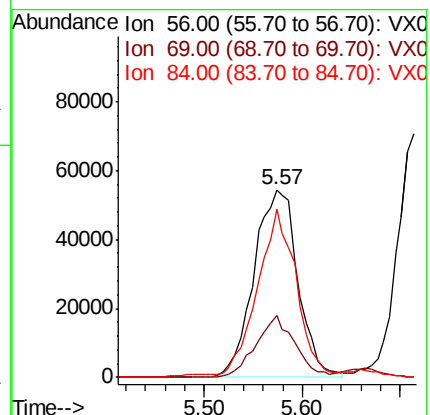
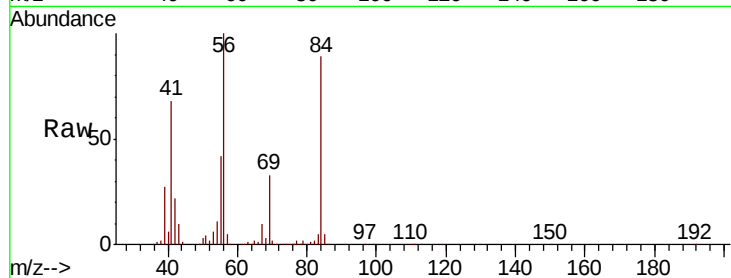
Tot Ion: 56 Resp: 169628

Ion Ratio Lower Upper

56 100

69 32.9 25.4 38.2

84 88.1 71.4 107.2



#32

1,1,1-Trichloroethane

Concen: 51.830 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.01 min

Lab File: VX005515.D

Acq: 23 Oct 2018 12:13

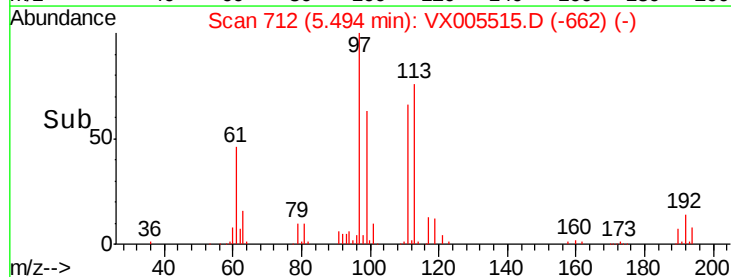
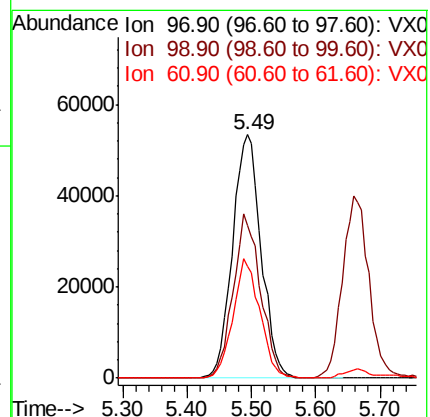
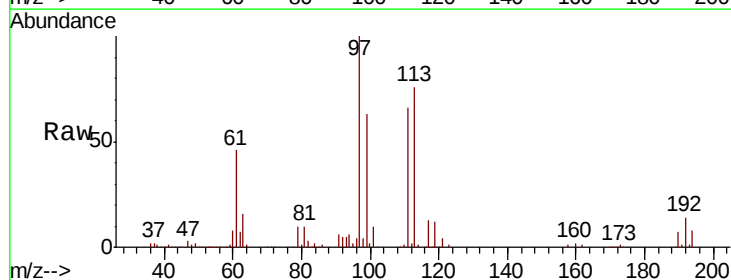
Tgt Ion: 97 Resp: 165276

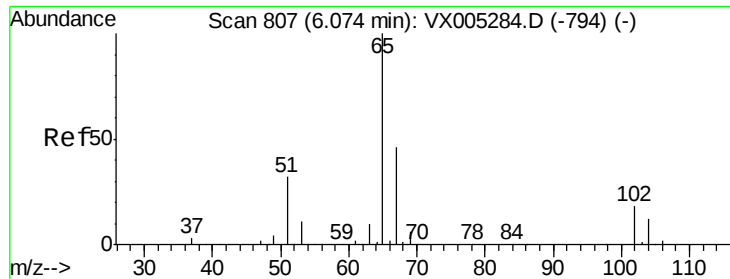
Ion Ratio Lower Upper

97 100

99 64.6 52.0 78.0

61 46.2 34.9 52.3

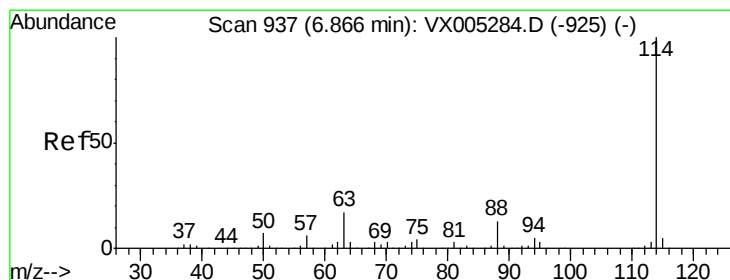
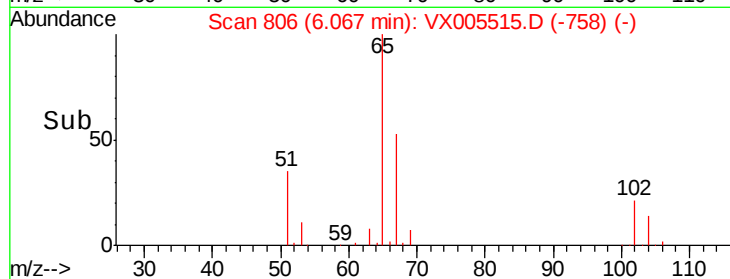
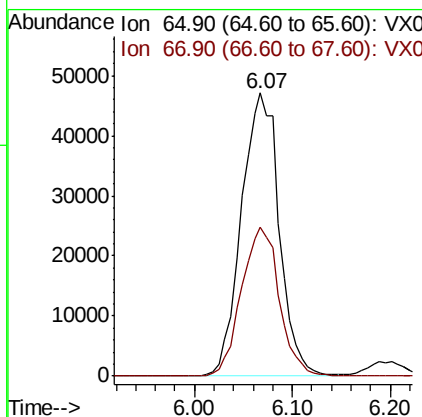
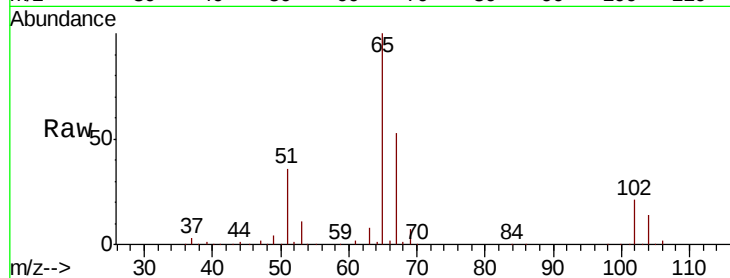




#33
 1,2-Dichloroethane-d4
 Concen: 53.493 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.01 min
 Lab File: VX005515.D
 Acq: 23 Oct 2018 12:13

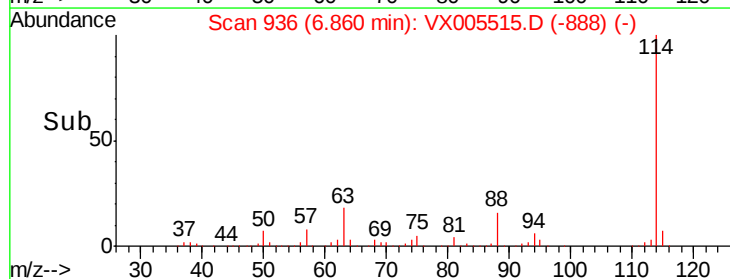
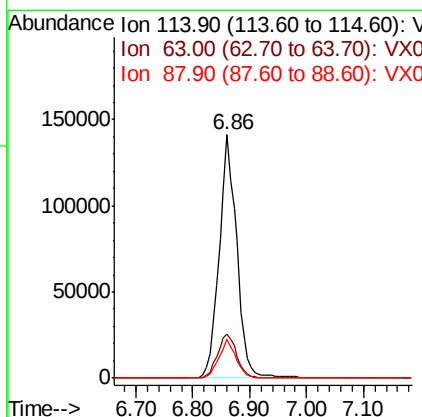
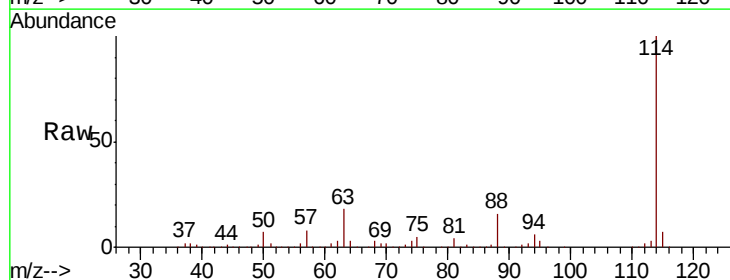
Instrument :
 MSVOA_X
 ClientSampleId :

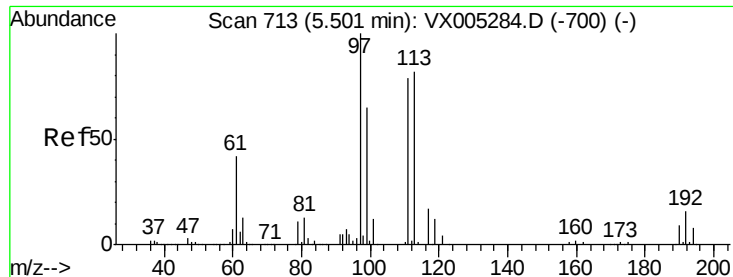
Tot Ion: 65 Resp: 126637
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.01 min
 Lab File: VX005515.D
 Acq: 23 Oct 2018 12:13

Tgt Ion: 114 Resp: 303820
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 39.0
 88 16.2 0.0 30.4

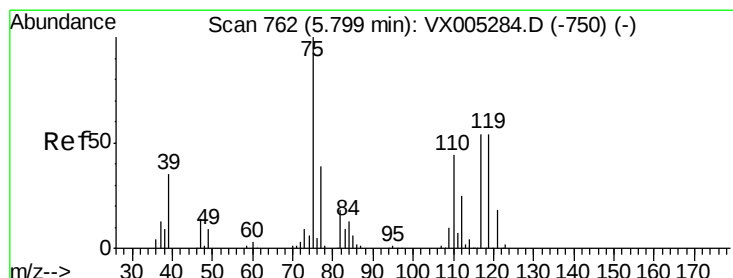
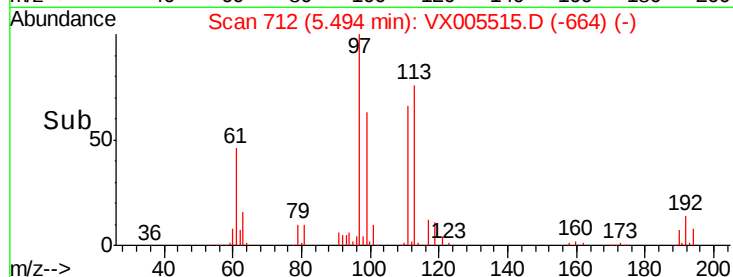
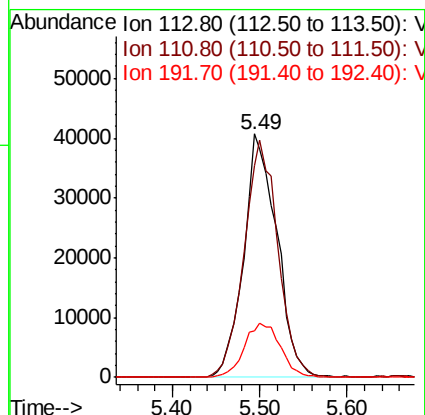
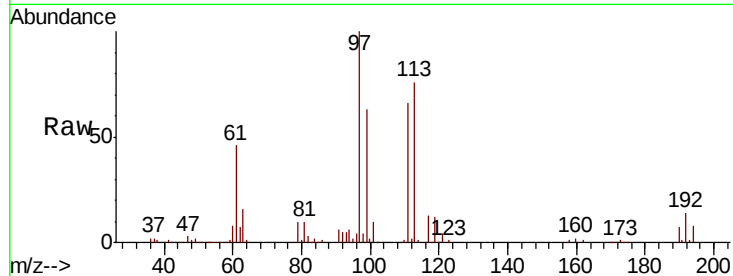




#35
 Dibromofluoromethane
 Concen: 53.617 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.01 min
 Lab File: VX005515.D
 Acq: 23 Oct 2018 12:13

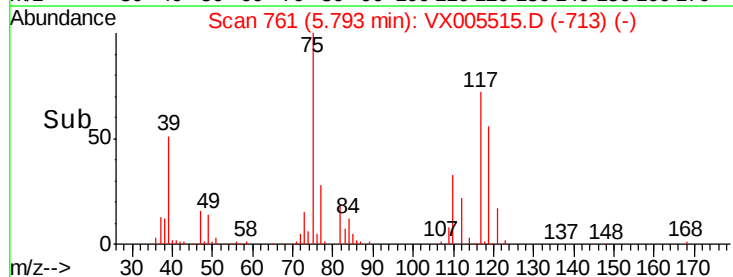
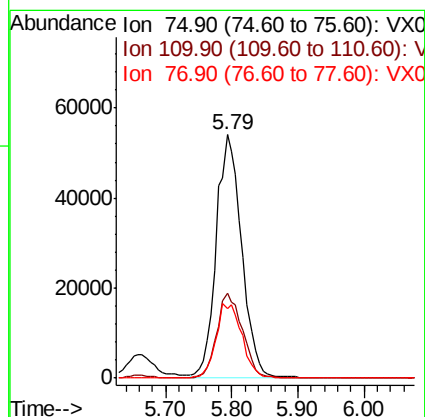
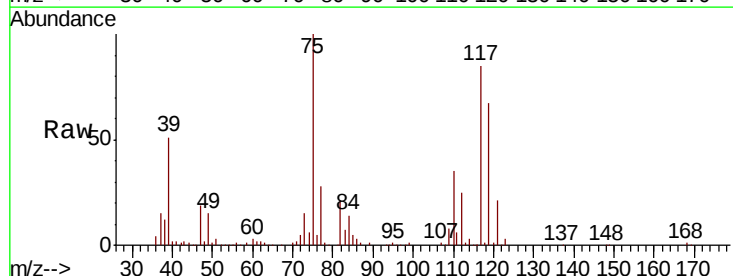
Instrument :
 MSVOA_X
 ClientSampled :

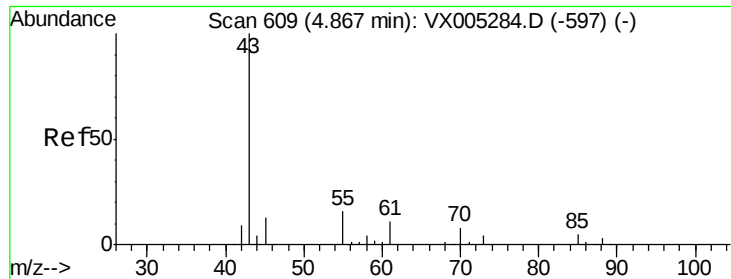
Tot Ion:113 Resp: 107893
 Ion Ratio Lower Upper
 113 100
 111 99.1 82.4 123.6
 192 24.0 19.4 29.2



#36
 1,1-Dichloropropene
 Concen: 49.087 ug/l
 RT: 5.79 min Scan# 761
 Delta R.T. -0.01 min
 Lab File: VX005515.D
 Acq: 23 Oct 2018 12:13

Tgt Ion: 75 Resp: 144436
 Ion Ratio Lower Upper
 75 100
 110 34.7 18.0 54.0
 77 30.7 24.6 36.8

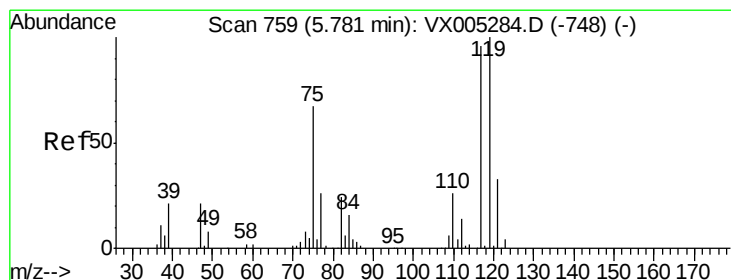
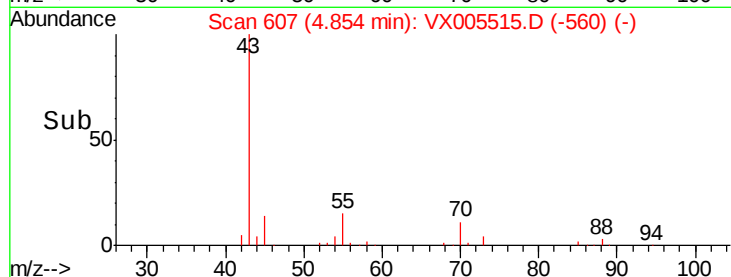
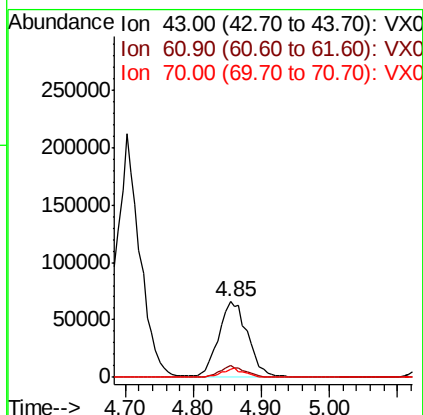
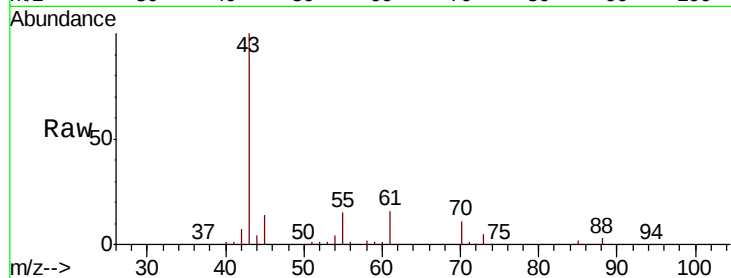




#37
Ethyl Acetate
Concen: 51.966 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.01 min
Lab File: VX005515.D
Acq: 23 Oct 2018 12:13

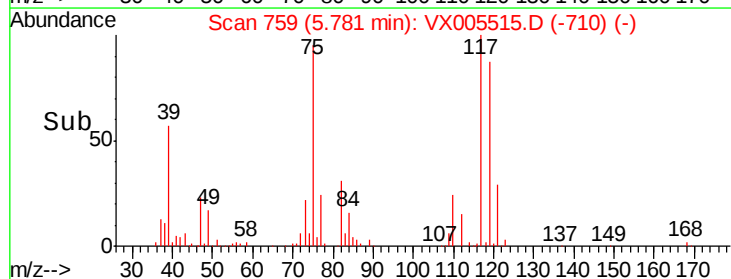
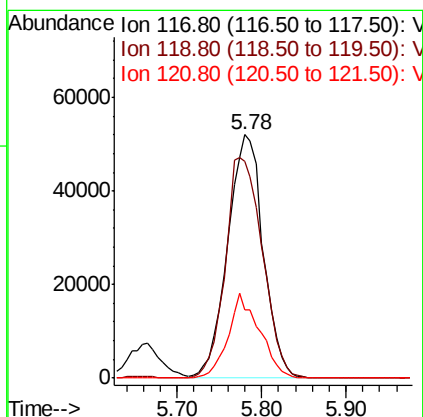
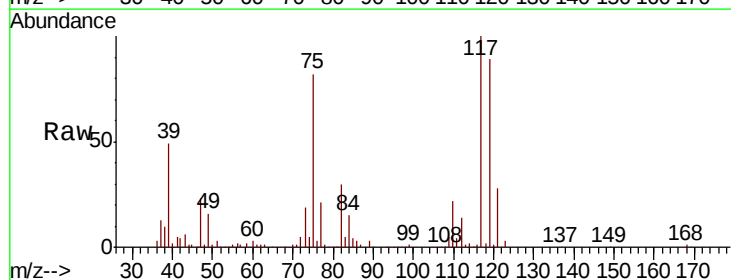
Instrument :
MSVOA_X
ClientSampled :

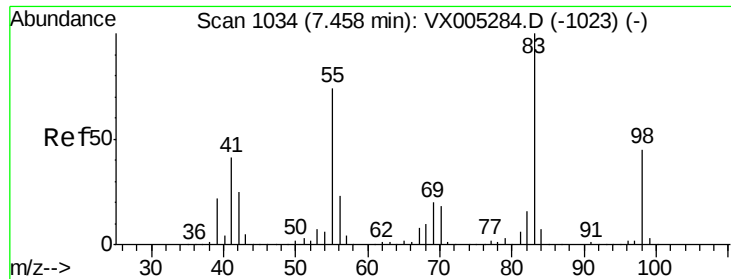
Tot Ion: 43 Resp: 196646
Ion Ratio Lower Upper
43 100
61 13.0 11.5 17.3
70 9.7 9.0 13.6



#38
Carbon Tetrachloride
Concen: 50.362 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX005515.D
Acq: 23 Oct 2018 12:13

Tgt Ion: 117 Resp: 148899
Ion Ratio Lower Upper
117 100
119 88.9 78.8 118.2
121 28.2 24.9 37.3

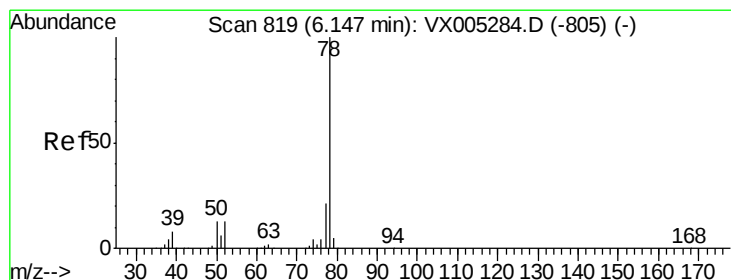
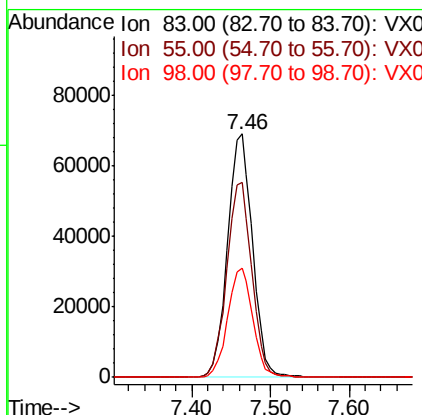
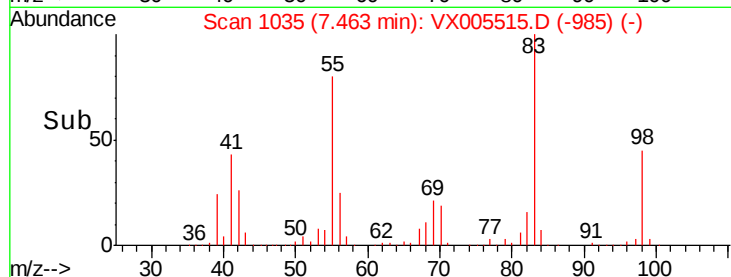
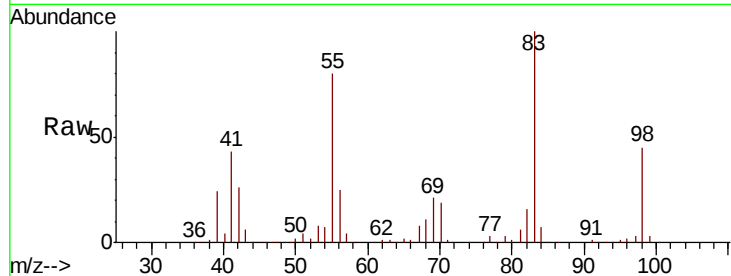




#39
Methvlcvclohexane
Concen: 47.546 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX005515.D
Acq: 23 Oct 2018 12:13

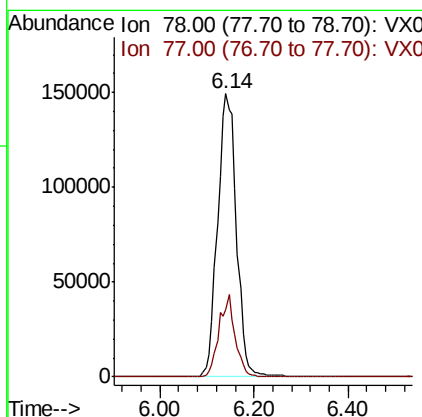
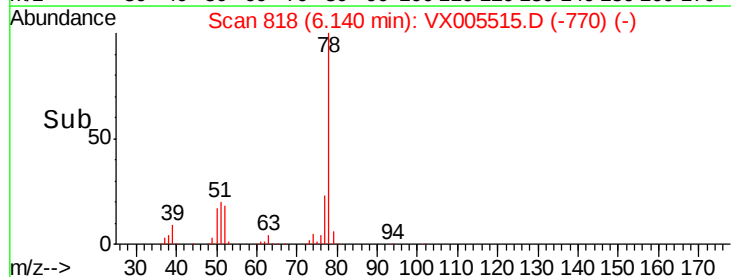
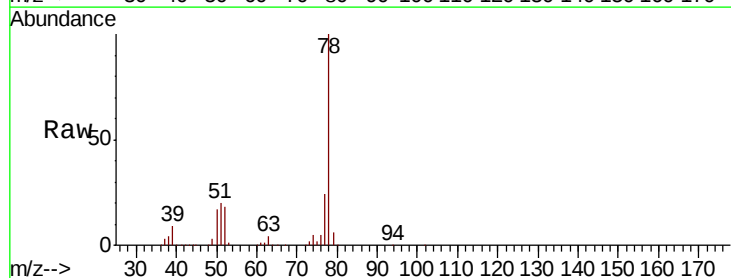
Instrument :
MSVOA_X
ClientSampleId :

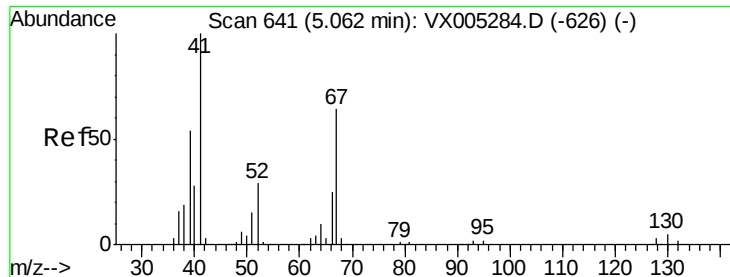
Tot Ion: 83 Resp: 151417
Ion Ratio Lower Upper
83 100
55 79.9 61.0 91.4
98 45.0 39.6 59.4



#40
Benzene
Concen: 46.879 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX005515.D
Acq: 23 Oct 2018 12:13

Tgt Ion: 78 Resp: 413792
Ion Ratio Lower Upper
78 100
77 23.6 19.0 28.4

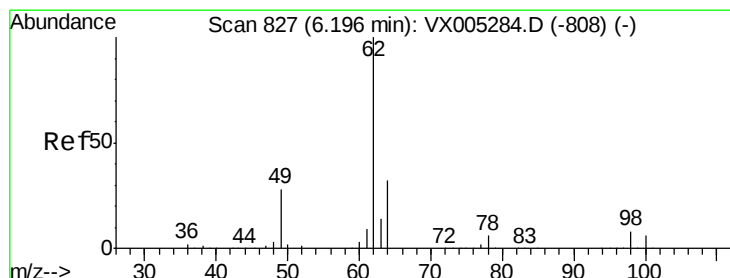
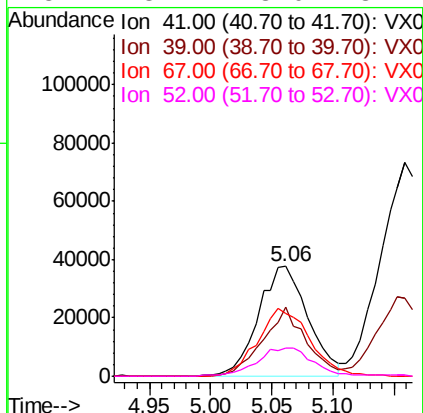
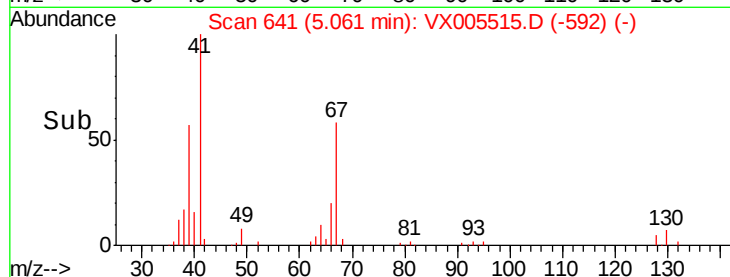
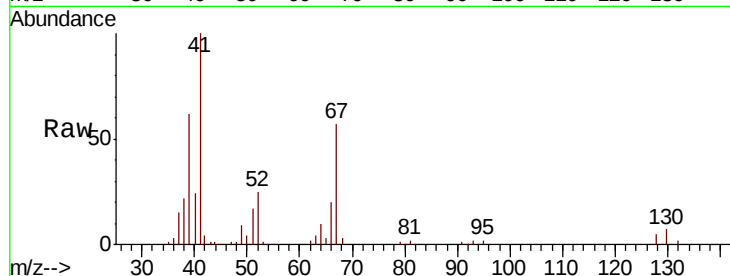




#41
Methacrylonitrile
Concen: 52.286 ug/l
RT: 5.06 min Scan# 641
Delta R.T. -0.00 min
Lab File: VX005515.D
Acq: 23 Oct 2018 12:13

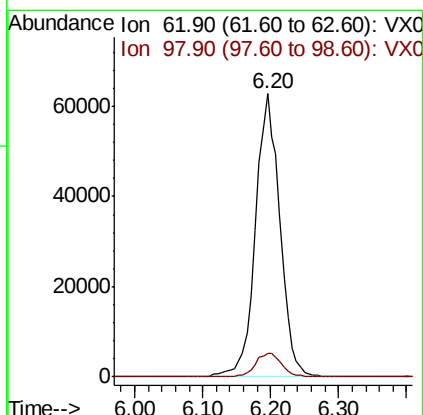
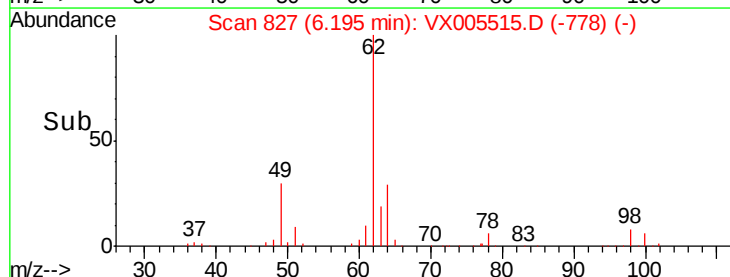
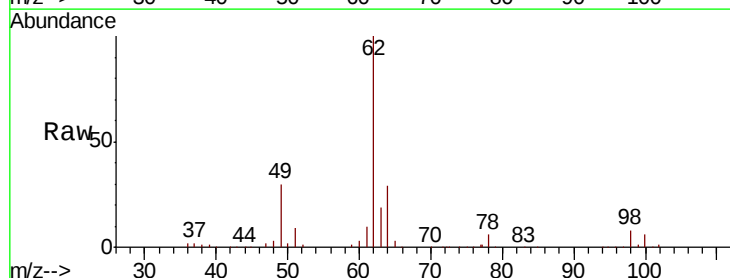
Instrument :
MSVOA_X
ClientSampleId :

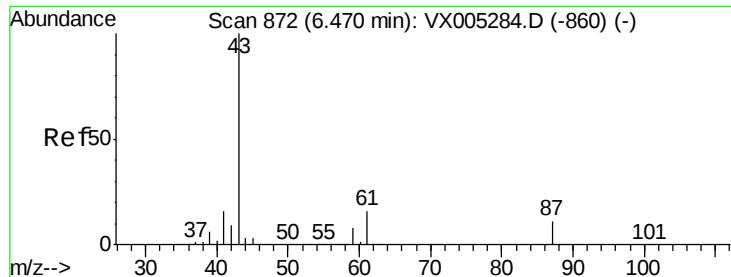
Tot Ion:	41	Resp:	106072
Ion	Ratio	Lower	Upper
41	100		
39	54.2	42.4	63.6
67	64.8	59.2	88.8
52	28.2	23.0	34.4



#42
1,2-Dichloroethane
Concen: 50.625 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX005515.D
Acq: 23 Oct 2018 12:13

Tgt Ion:	62	Resp:	157785
Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	20.6





#43

Isopropyl Acetate

Concen: 56.908 ug/l

RT: 6.46 min Scan# 870

Delta R.T. -0.01 min

Lab File: VX005515.D

Acq: 23 Oct 2018 12:13

Instrument :

MSVOA_X

ClientSampleId :

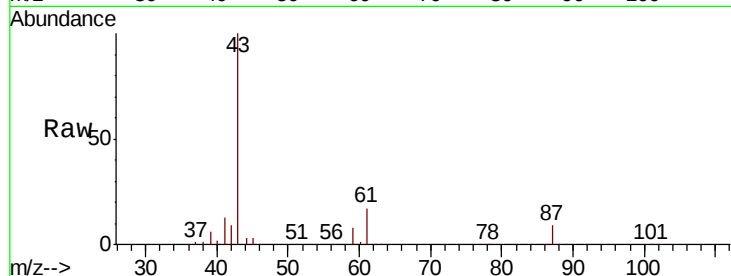
Tot Ion: 43 Resp: 286862

Ion Ratio Lower Upper

43 100

61 18.9 17.0 25.4

87 12.0 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): VX005515.D (-823) (-)

Ion 61.00 (60.70 to 61.70): VX005515.D (-823) (-)

Ion 87.00 (86.70 to 87.70): VX005515.D (-823) (-)

6.46

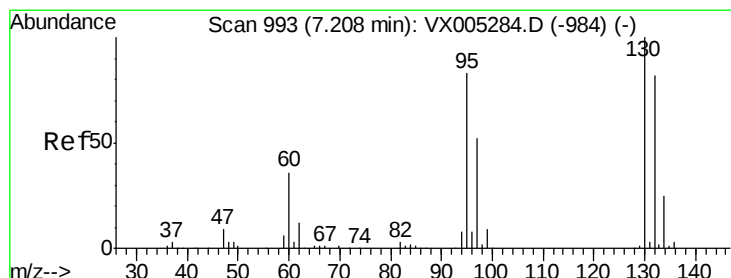
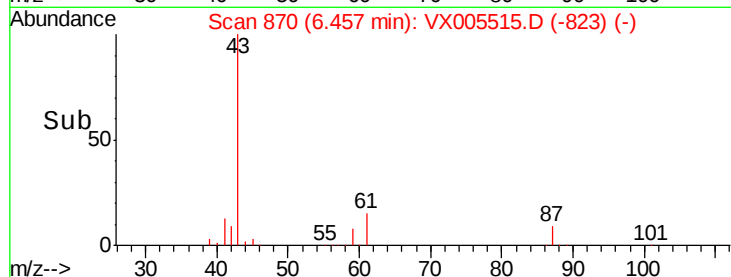
150000

100000

50000

0

Time-->



#44

Trichloroethene

Concen: 47.668 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.01 min

Lab File: VX005515.D

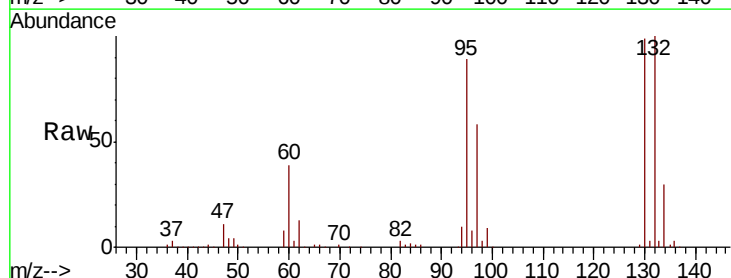
Acq: 23 Oct 2018 12:13

Tgt Ion:130 Resp: 107500

Ion Ratio Lower Upper

130 100

95 90.4 0.0 181.6



Abundance Ion 129.80 (129.50 to 130.50): VX005515.D (-944) (-)

Ion 94.90 (94.60 to 95.60): VX005515.D (-944) (-)

7.21

60000

50000

40000

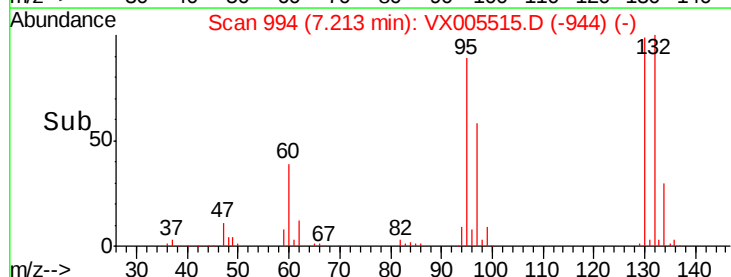
30000

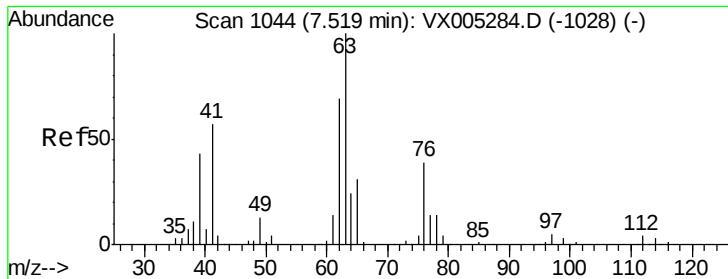
20000

10000

0

Time-->





#45

1,2-Dichloropropane

Concen: 51.472 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VX005515.D

Acq: 23 Oct 2018 12:13

Instrument :

MSVOA_X

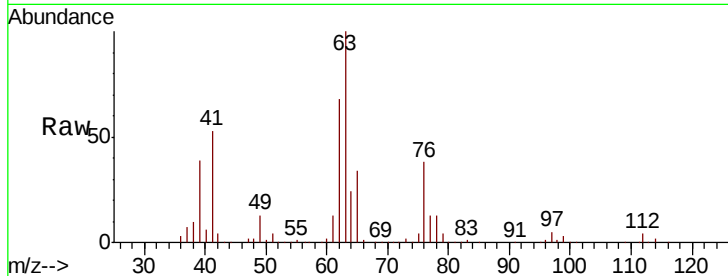
ClientSampleId :

Tot Ion: 63 Resp: 111448

Ion Ratio Lower Upper

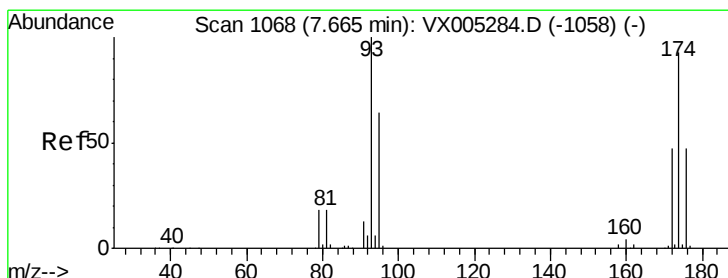
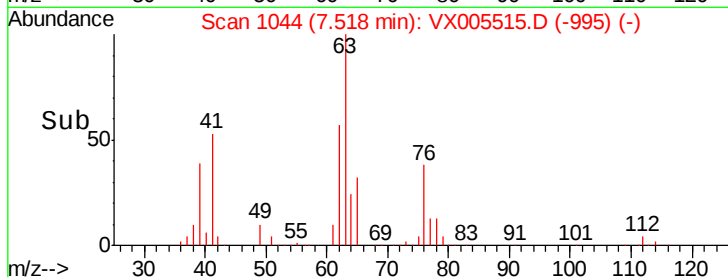
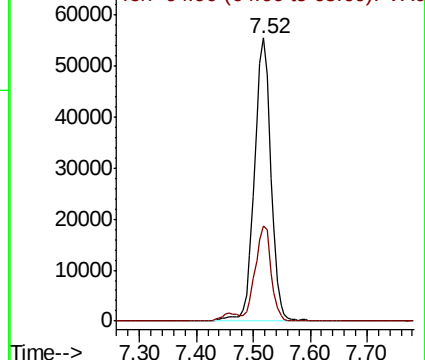
63 100

65 33.6 24.3 36.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 48.146 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. -0.00 min

Lab File: VX005515.D

Acq: 23 Oct 2018 12:13

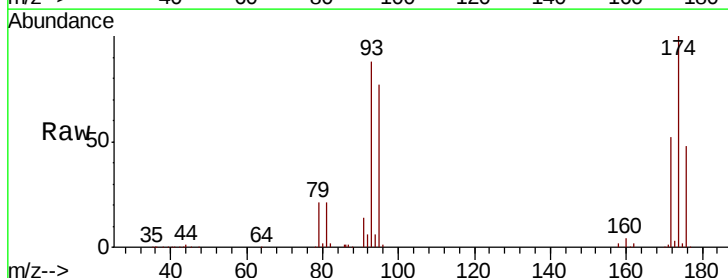
Tgt Ion: 93 Resp: 68803

Ion Ratio Lower Upper

93 100

95 83.2 65.5 98.3

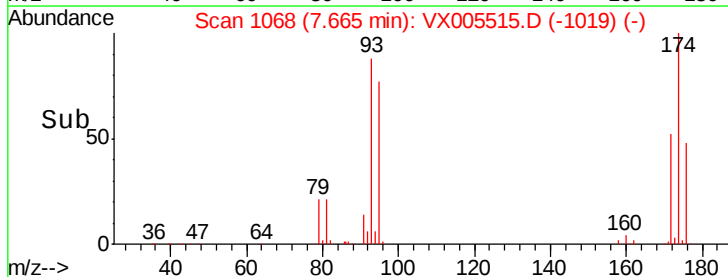
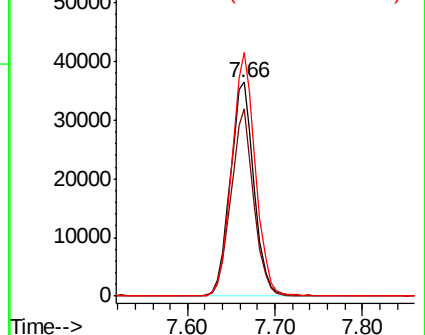
174 113.1 94.2 141.4

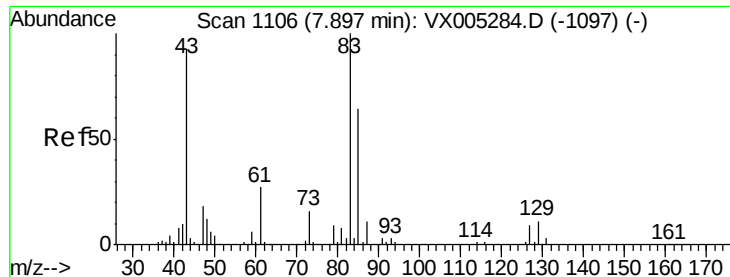


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 52.128 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX005515.D

Acq: 23 Oct 2018 12:13

Instrument :

MSVOA_X

ClientSampled :

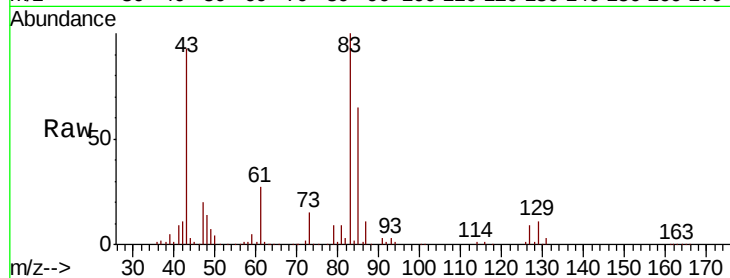
Tot Ion: 83 Resp: 137792

Ion Ratio Lower Upper

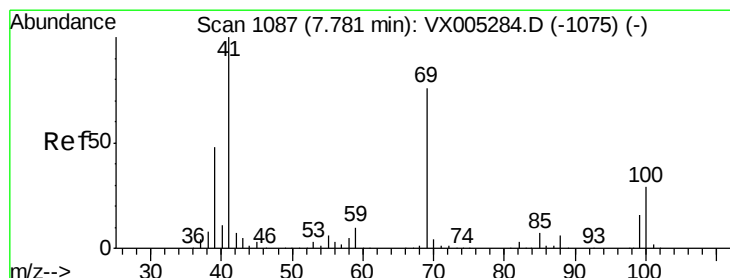
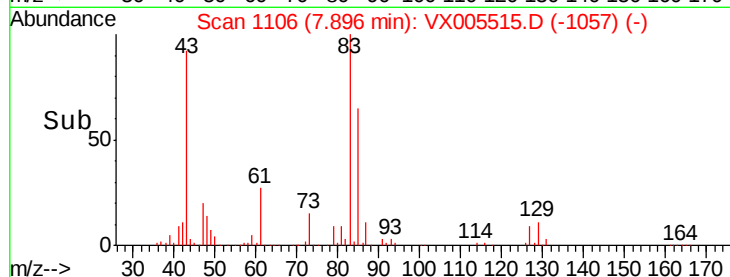
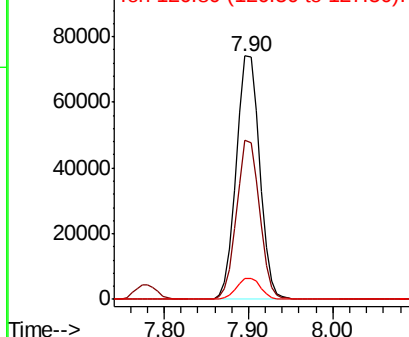
83 100

85 65.1 50.9 76.3

127 8.7 7.3 10.9



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: 52.157 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. -0.01 min

Lab File: VX005515.D

Acq: 23 Oct 2018 12:13

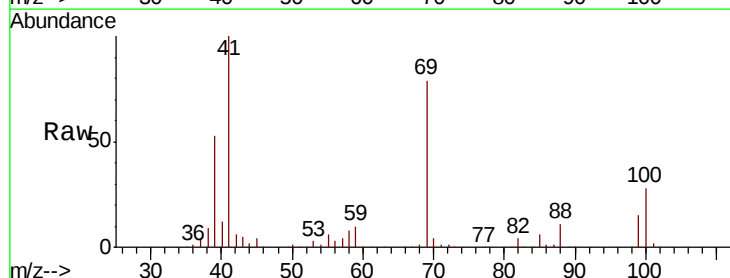
Tgt Ion: 41 Resp: 136359

Ion Ratio Lower Upper

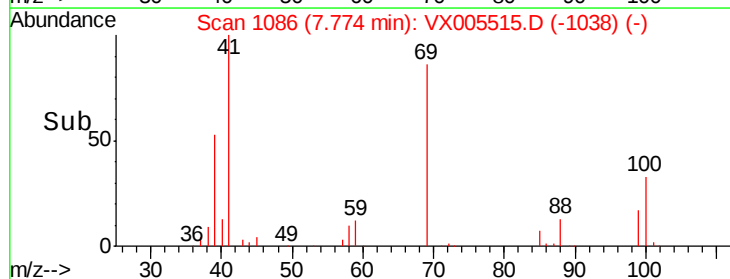
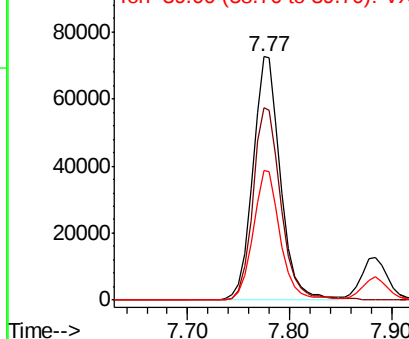
41 100

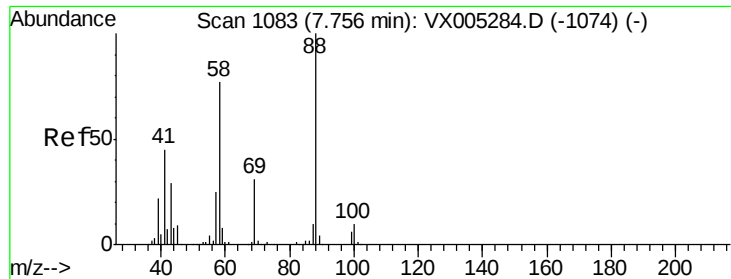
69 81.0 70.2 105.4

39 52.5 42.7 64.1



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

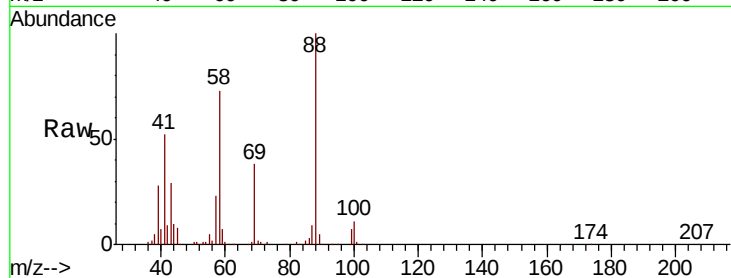




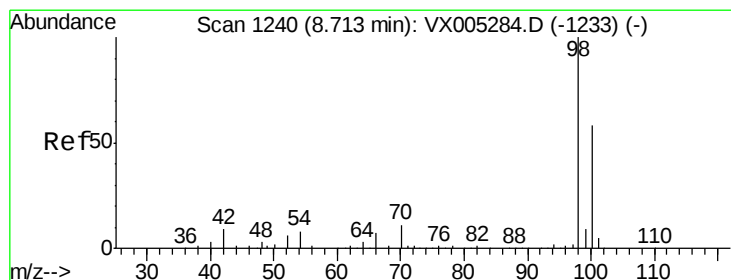
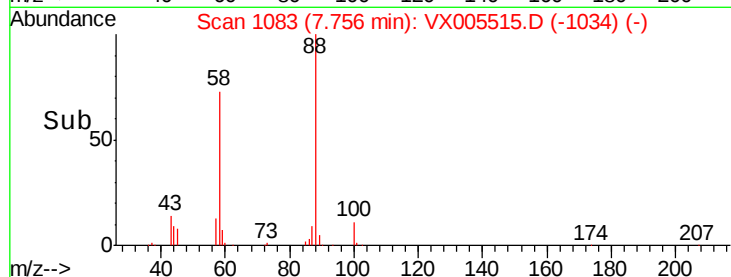
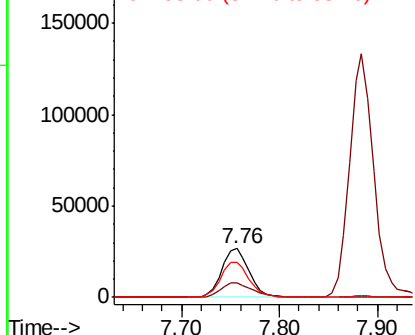
#49
1,4-Dioxane
Concen: 860.952 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. -0.00 min
Lab File: VX005515.D
Acq: 23 Oct 2018 12:13

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 88 Resp: 51916
Ion Ratio Lower Upper
88 100
43 34.0 24.7 37.1
58 75.7 55.3 82.9

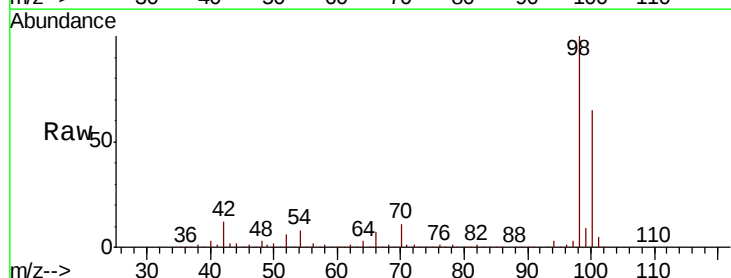


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

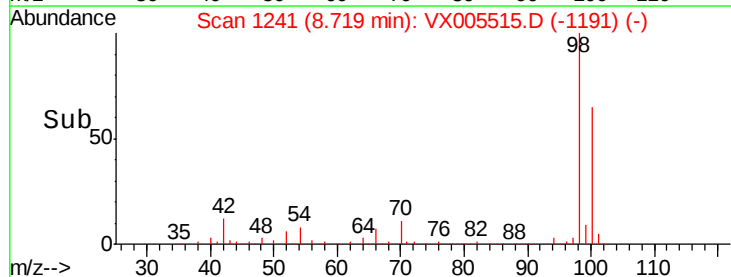
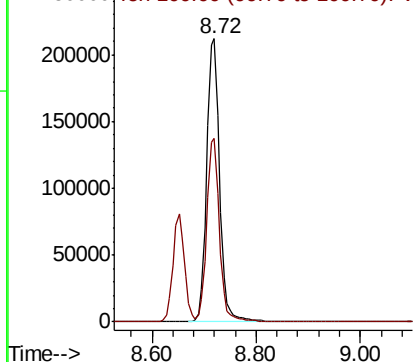


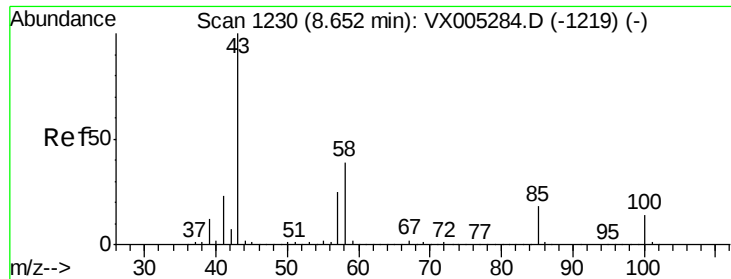
#50
Toluene-d8
Concen: 52.403 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. 0.01 min
Lab File: VX005515.D
Acq: 23 Oct 2018 12:13

Tgt Ion: 98 Resp: 362018
Ion Ratio Lower Upper
98 100
100 63.9 52.9 79.3



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: 267.126 ug/l

RT: 8.65 min Scan# 1230

Delta R.T. -0.00 min

Lab File: VX005515.D

Acq: 23 Oct 2018 12:13

Instrument :

MSVOA_X

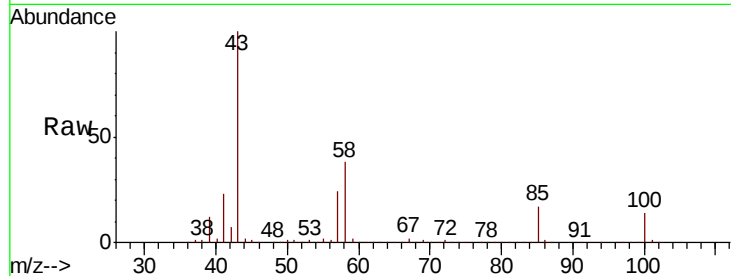
ClientSampleId :

Tot Ion: 43 Resp: 932353

Ion Ratio Lower Upper

43 100

58 37.1 33.1 49.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.65

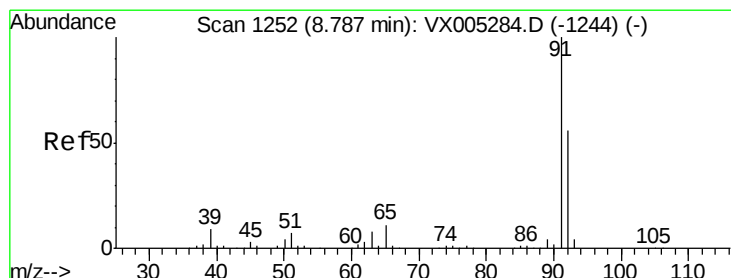
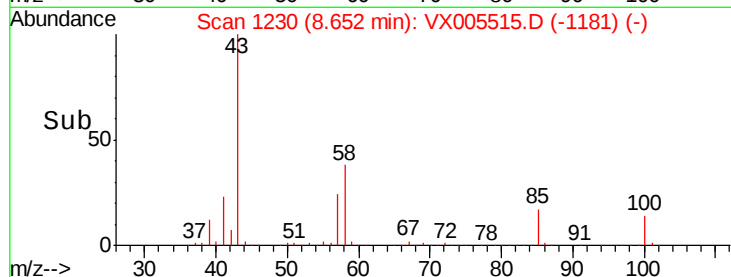
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 50.494 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX005515.D

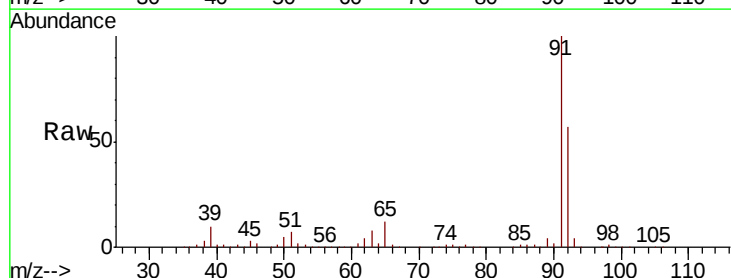
Acq: 23 Oct 2018 12:13

Tgt Ion: 92 Resp: 243837

Ion Ratio Lower Upper

92 100

91 176.0 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.79

300000

250000

200000

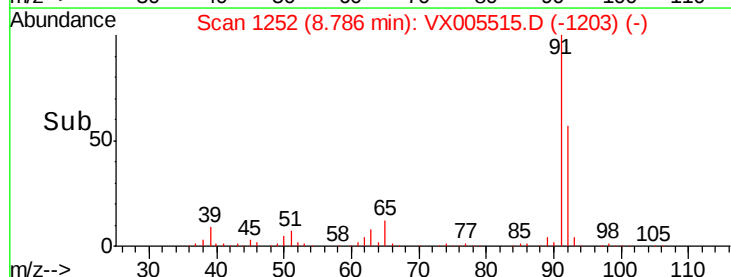
150000

100000

50000

0

Time-->

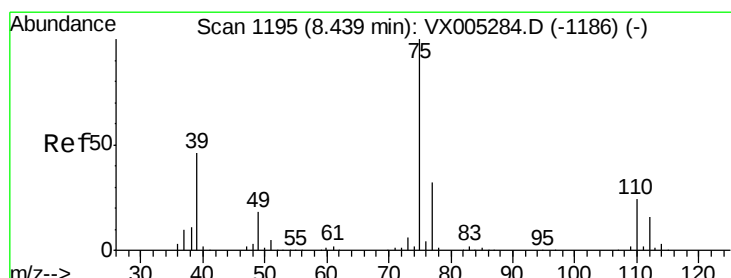
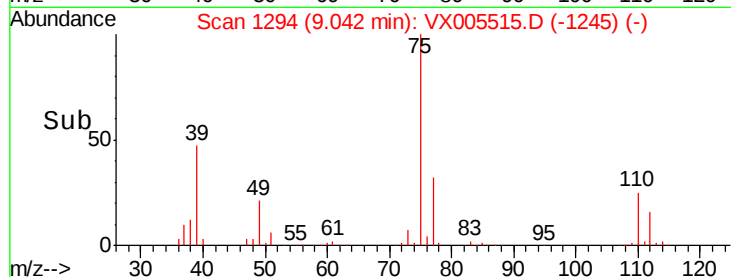
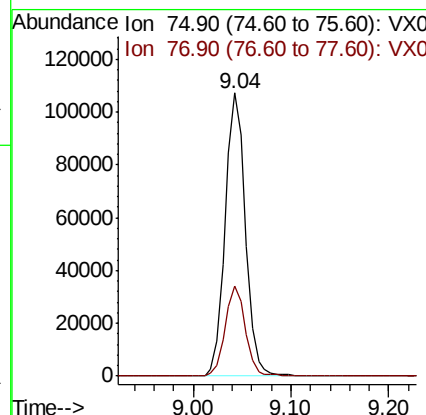
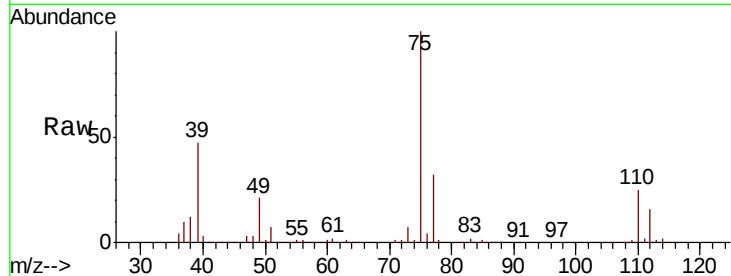




#53
 t-1,3-Dichloropropene
 Concen: 53.952 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. -0.00 min
 Lab File: VX005515.D
 Acq: 23 Oct 2018 12:13

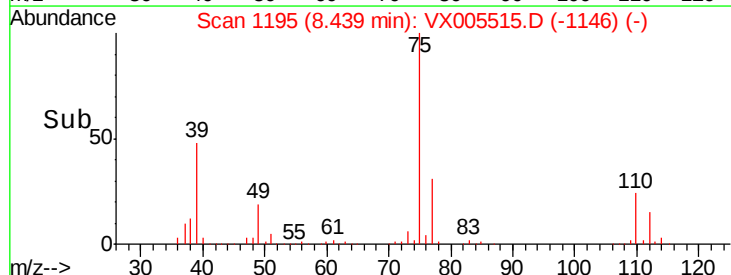
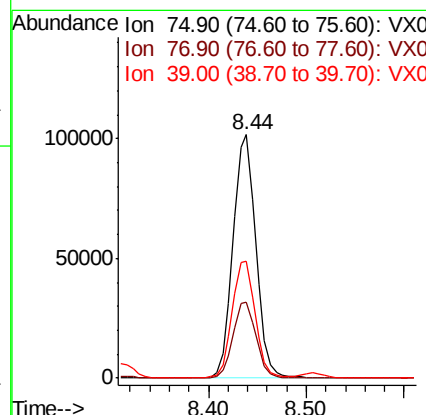
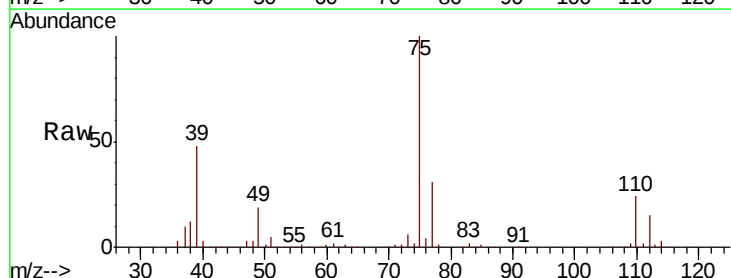
Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 154339
 Ion Ratio Lower Upper
 75 100
 77 31.8 24.6 37.0



#54
 cis-1,3-Dichloropropene
 Concen: 53.287 ug/l
 RT: 8.44 min Scan# 1195
 Delta R.T. -0.00 min
 Lab File: VX005515.D
 Acq: 23 Oct 2018 12:13

Tgt Ion: 75 Resp: 165169
 Ion Ratio Lower Upper
 75 100
 77 31.2 26.2 39.2
 39 47.9 36.4 54.6

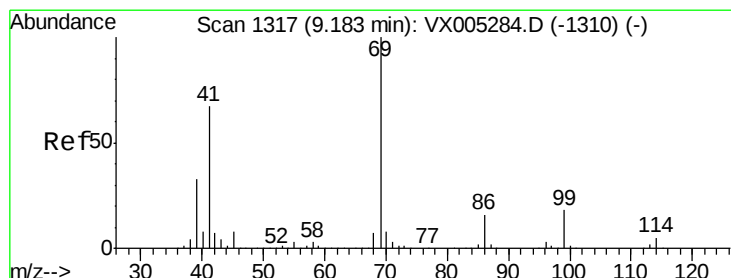
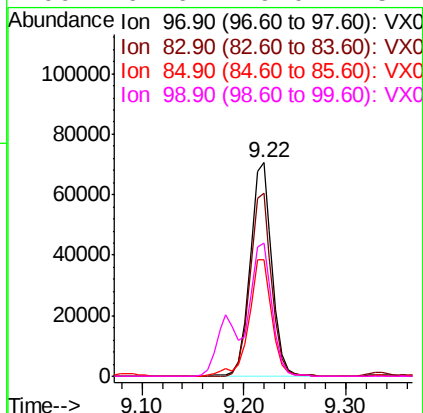
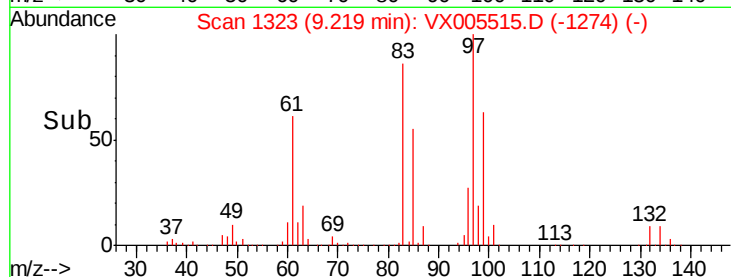
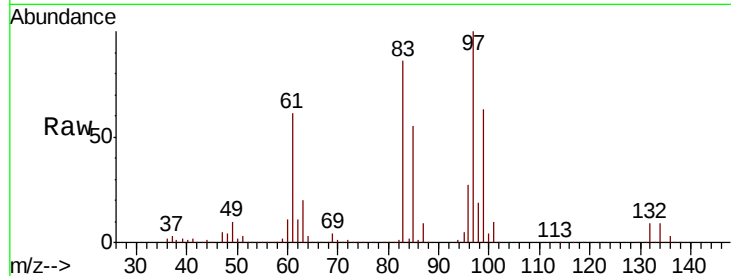




#55
1,1,2-Trichloroethane
Concen: 51.323 ug/l
RT: 9.22 min Scan# 1323
Delta R.T. -0.00 min
Lab File: VX005515.D
Acq: 23 Oct 2018 12:13

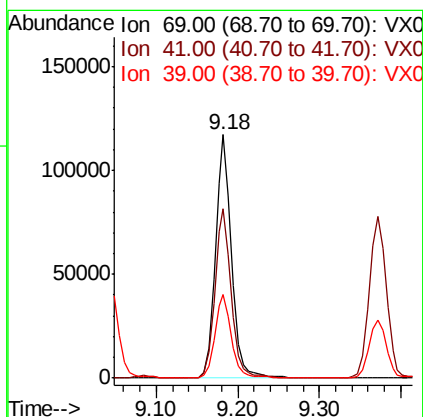
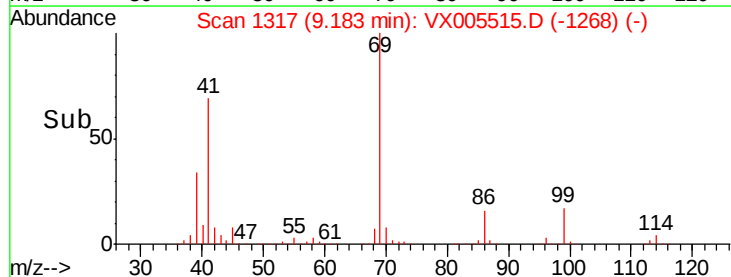
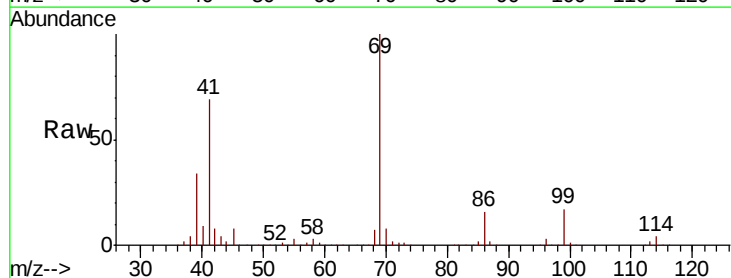
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:	97	Resp:	104976
Ion	Ratio	Lower	Upper
97	100		
83	85.8	66.4	99.6
85	54.7	43.3	64.9
99	62.6	49.0	73.4



#56
Ethyl methacrylate
Concen: 54.791 ug/l
RT: 9.18 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VX005515.D
Acq: 23 Oct 2018 12:13

Tgt Ion:	69	Resp:	163374
Ion	Ratio	Lower	Upper
69	100		
41	70.6	51.0	76.4
39	34.9	26.1	39.1





#57

1,3-Dichloropropane

Concen: 51.238 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX005515.D

Acq: 23 Oct 2018 12:13

Instrument :

MSVOA_X

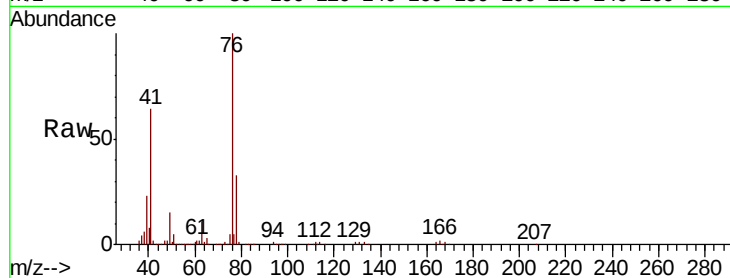
ClientSampleId :

Tot Ion: 76 Resp: 174921

Ion Ratio Lower Upper

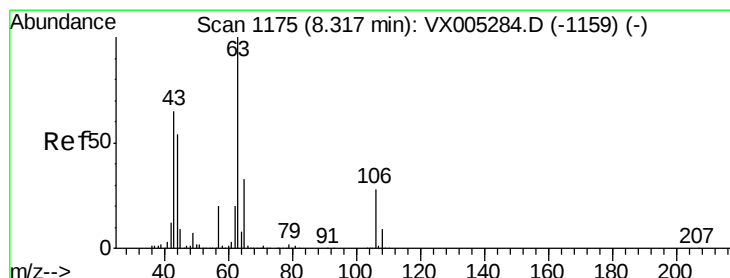
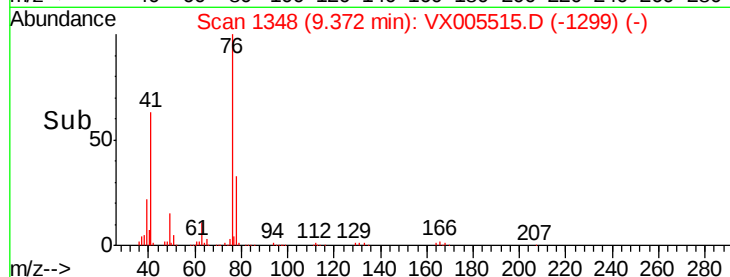
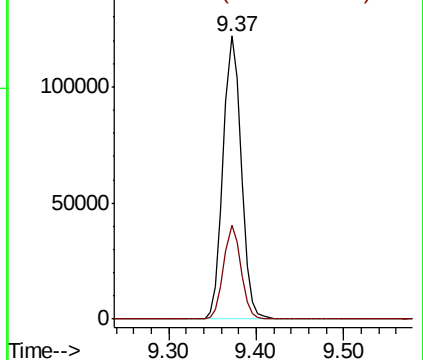
76 100

78 32.0 25.5 38.3



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 277.010 ug/l

RT: 8.32 min Scan# 1175

Delta R.T. -0.00 min

Lab File: VX005515.D

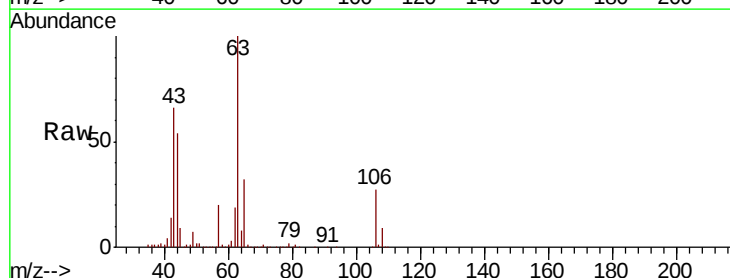
Acq: 23 Oct 2018 12:13

Tgt Ion: 63 Resp: 463225

Ion Ratio Lower Upper

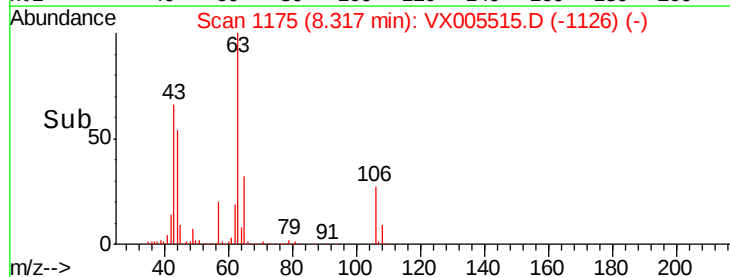
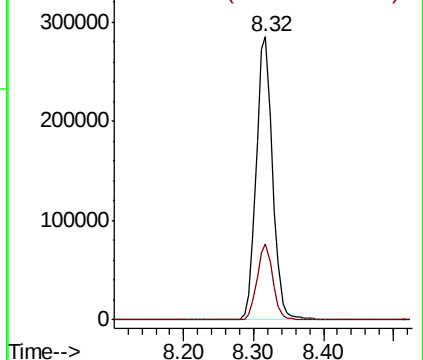
63 100

106 26.0 23.9 35.9



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

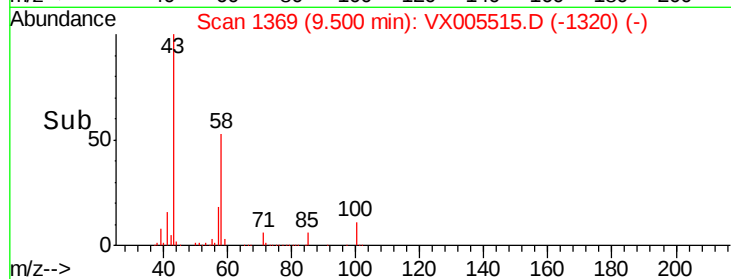
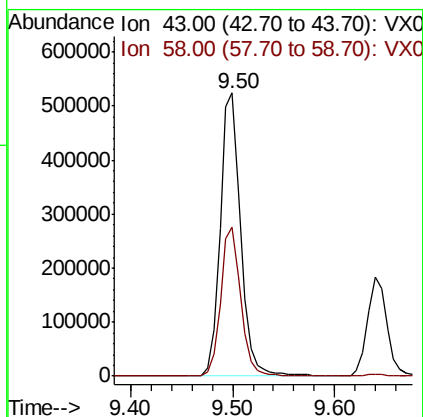
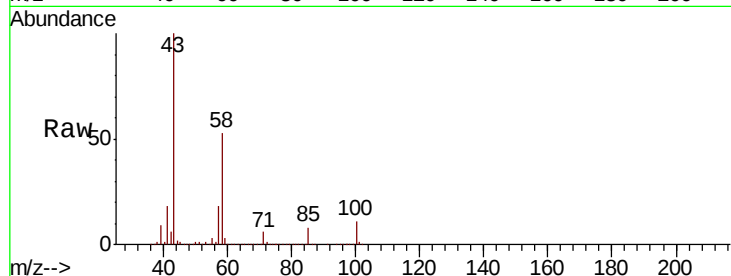




#59
2-Hexanone
Concen: 261.372 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. -0.00 min
Lab File: VX005515.D
Acq: 23 Oct 2018 12:13

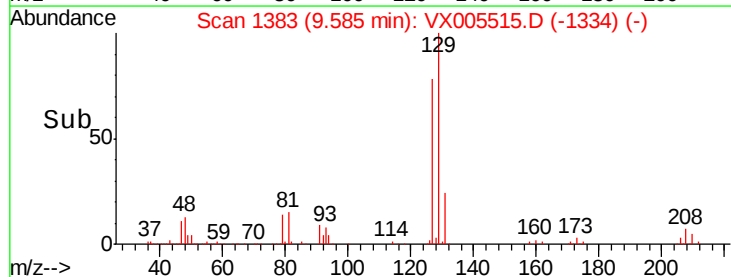
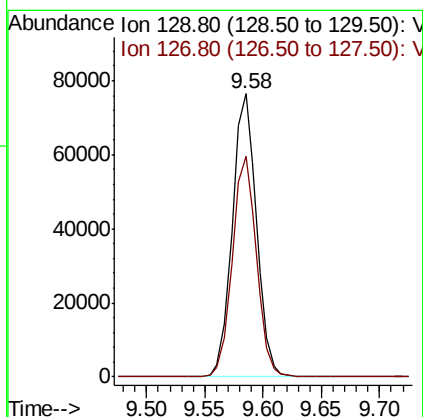
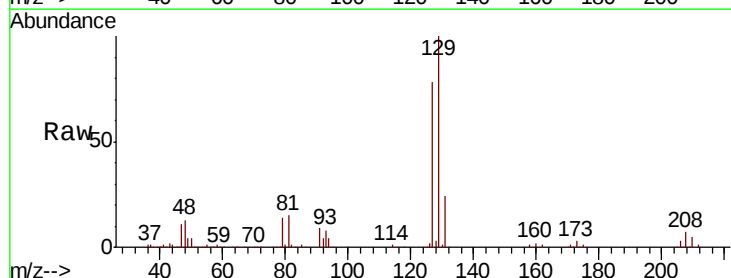
Instrument :
MSVOA_X
ClientSampled :

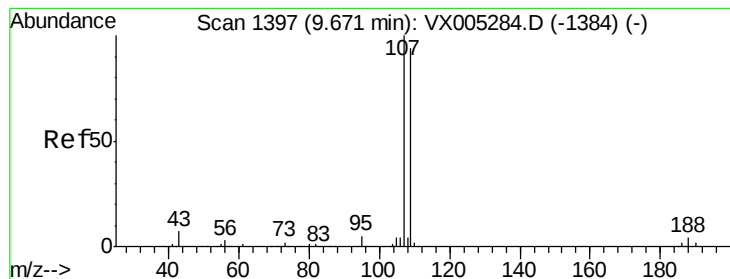
Tot Ion: 43 Resp: 733833
Ion Ratio Lower Upper
43 100
58 51.9 29.0 87.0



#60
Dibromochloromethane
Concen: 52.363 ug/l
RT: 9.58 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX005515.D
Acq: 23 Oct 2018 12:13

Tgt Ion:129 Resp: 110709
Ion Ratio Lower Upper
129 100
127 77.6 38.5 115.5





#61

1,2-Dibromoethane

Concen: 50.298 ug/l

RT: 9.68 min Scan# 1398

Delta R.T. 0.01 min

Lab File: VX005515.D

Acq: 23 Oct 2018 12:13

Instrument :

MSVOA_X

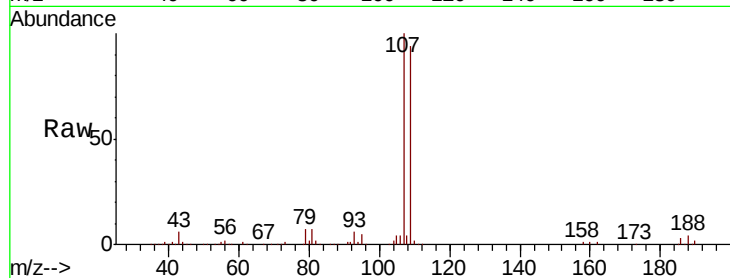
ClientSampleId :

Tot Ion:107 Resp: 107968

Ion Ratio Lower Upper

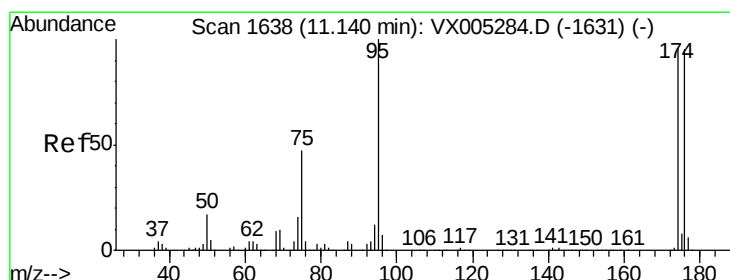
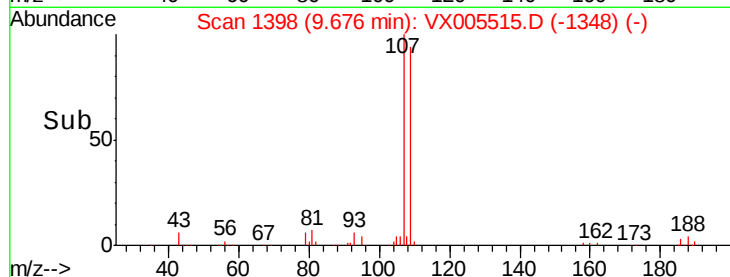
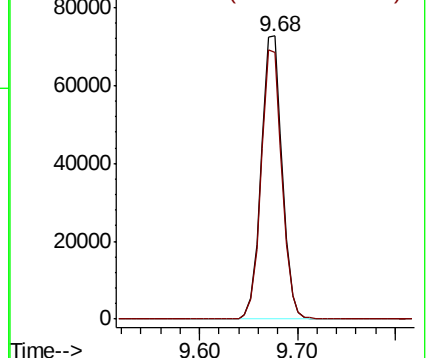
107 100

109 94.7 76.0 114.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 53.540 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005515.D

Acq: 23 Oct 2018 12:13

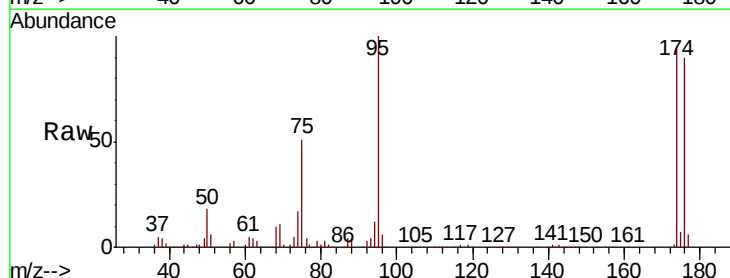
Tgt Ion: 95 Resp: 138946

Ion Ratio Lower Upper

95 100

174 91.9 0.0 185.2

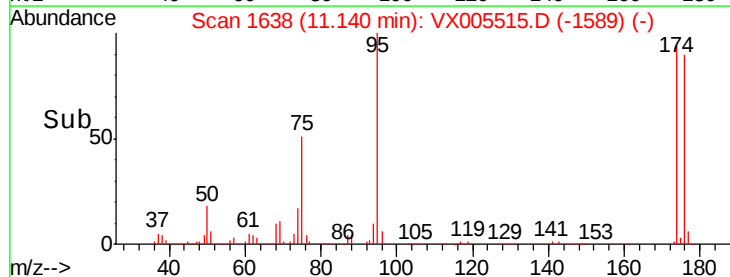
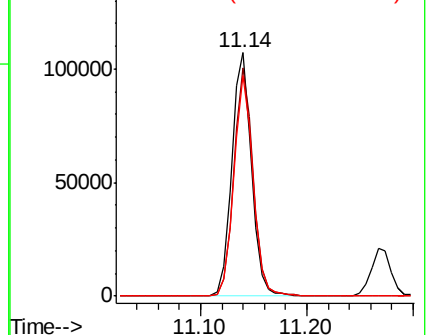
176 88.8 0.0 178.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

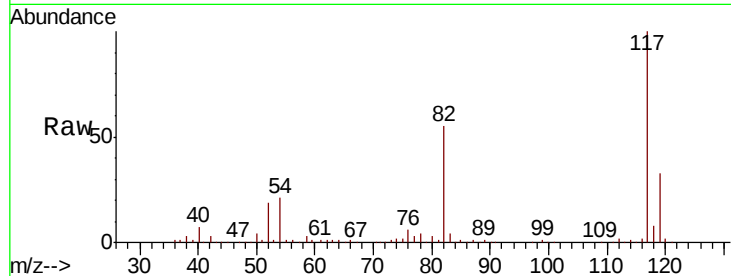




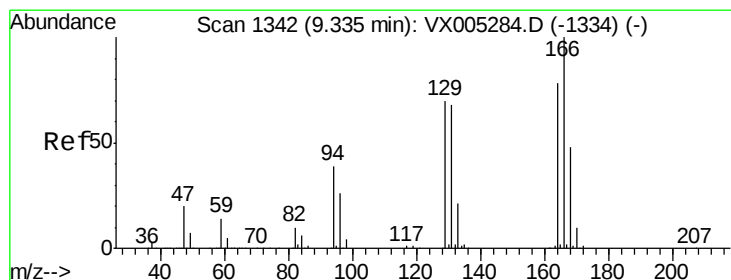
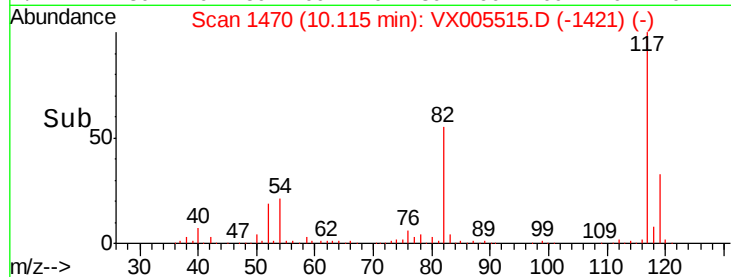
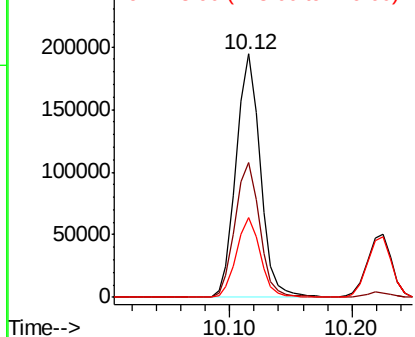
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005515.D
Acq: 23 Oct 2018 12:13

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:117 Resp: 267207
Ion Ratio Lower Upper
117 100
82 55.4 47.8 71.6
119 32.8 29.3 43.9

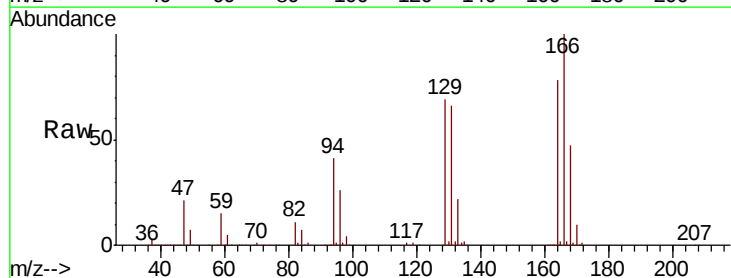


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX
Ion 118.90 (118.60 to 119.60): V

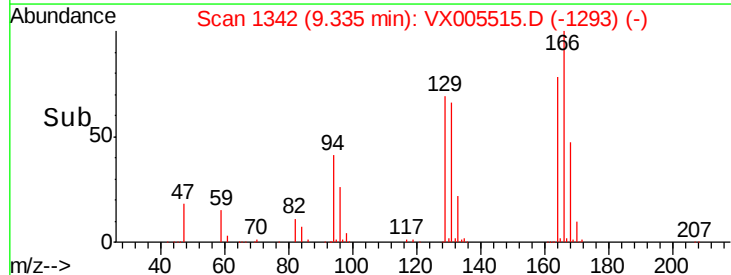
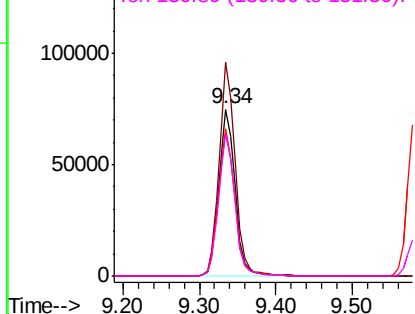


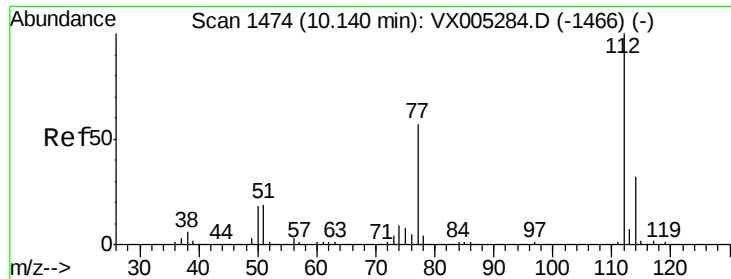
#64
Tetrachloroethene
Concen: 51.135 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX005515.D
Acq: 23 Oct 2018 12:13

Tgt Ion:164 Resp: 109999
Ion Ratio Lower Upper
164 100
166 128.1 102.8 154.2
129 88.0 69.4 104.0
131 84.9 67.9 101.9



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

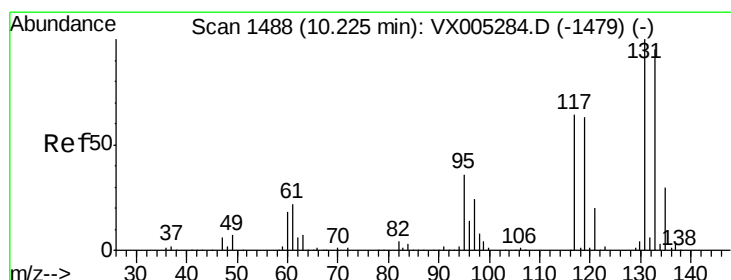
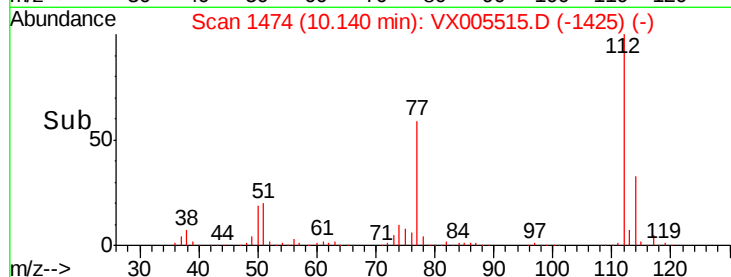
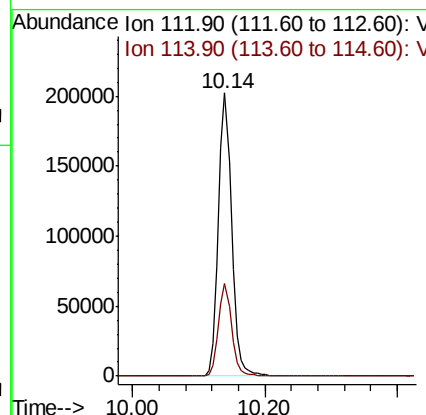
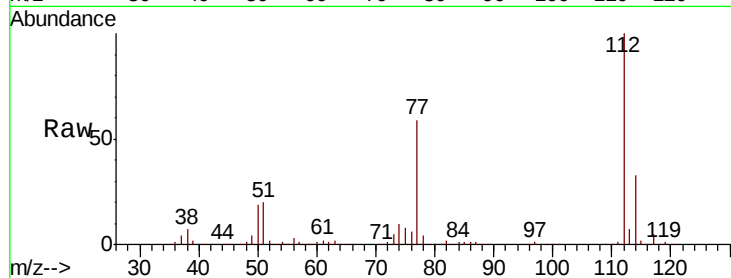




#65
Chlorobenzene
Concen: 48.983 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX005515.D
Acq: 23 Oct 2018 12:13

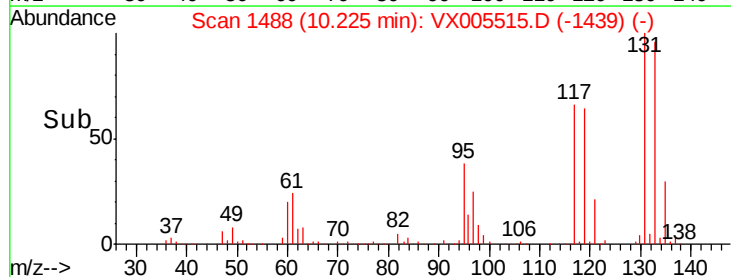
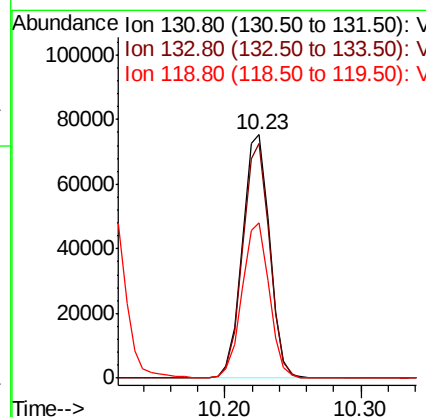
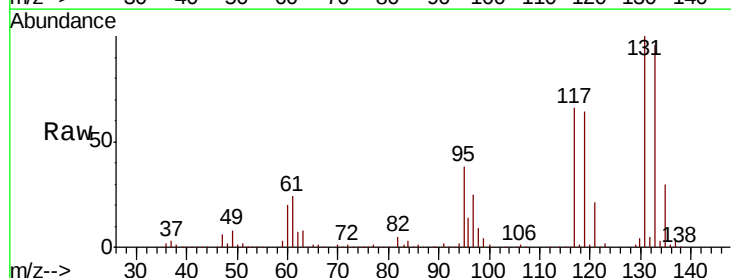
Instrument :
MSVOA_X
ClientSampled :

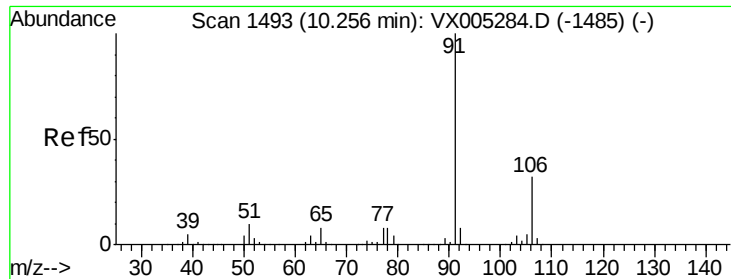
Tot Ion:112 Resp: 278409
Ion Ratio Lower Upper
112 100
114 32.6 27.8 41.8



#66
1,1,1,2-Tetrachloroethane
Concen: 51.797 ug/l
RT: 10.23 min Scan# 1488
Delta R.T. -0.00 min
Lab File: VX005515.D
Acq: 23 Oct 2018 12:13

Tgt Ion:131 Resp: 104915
Ion Ratio Lower Upper
131 100
133 94.8 48.1 144.4
119 63.6 32.9 98.6

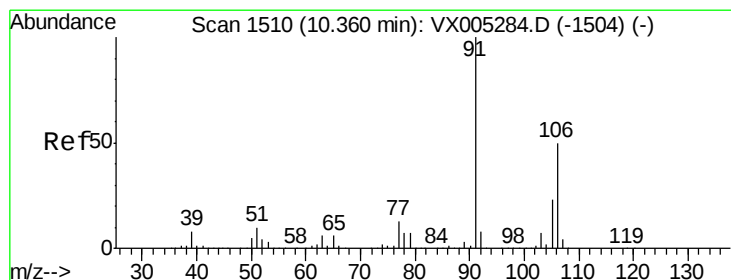
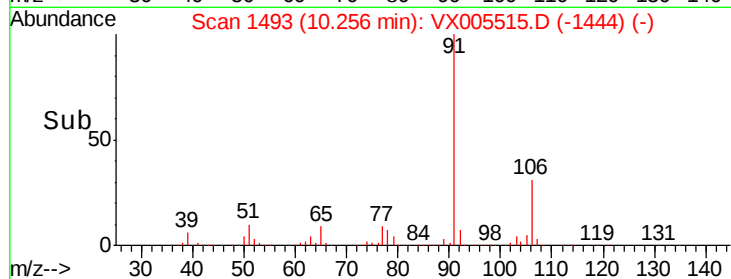
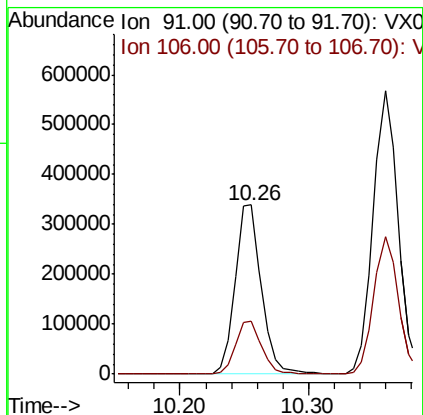
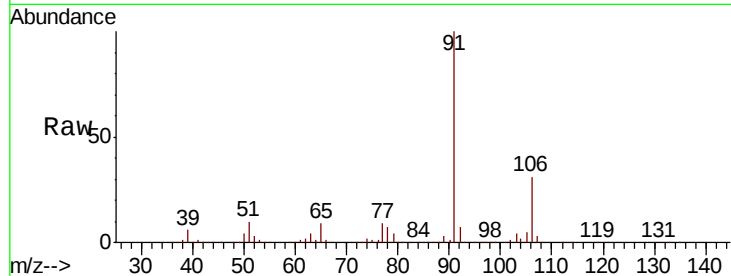




#67
Ethyl Benzene
Concen: 52.087 ug/l
RT: 10.26 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VX005515.D
Acq: 23 Oct 2018 12:13

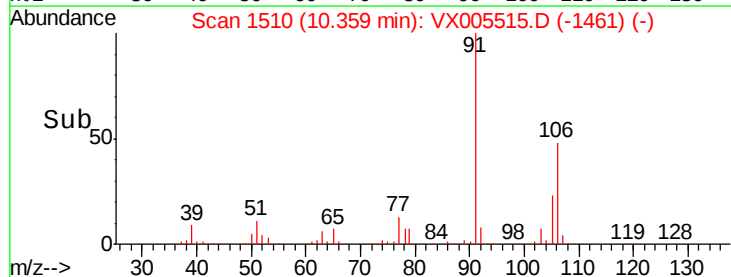
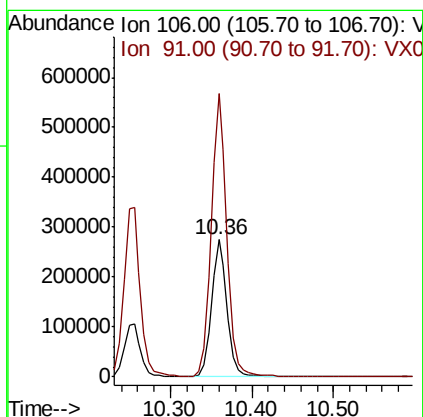
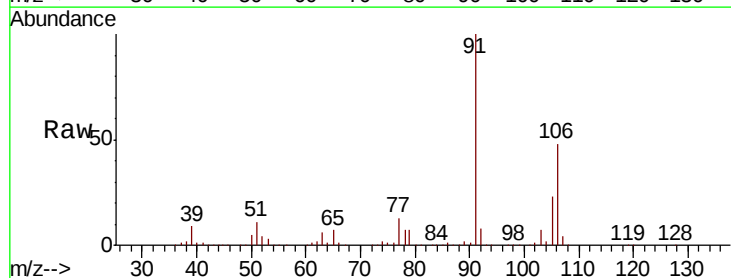
Instrument :
MSVOA_X
ClientSampled :

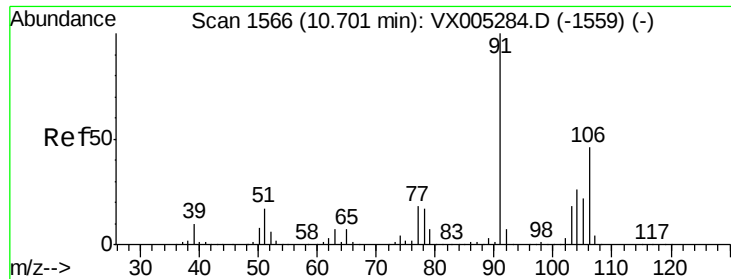
Tot Ion: 91 Resp: 481284
Ion Ratio Lower Upper
91 100
106 31.2 25.9 38.9



#68
m/p-Xylenes
Concen: 103.502 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX005515.D
Acq: 23 Oct 2018 12:13

Tgt Ion: 106 Resp: 371197
Ion Ratio Lower Upper
106 100
91 207.0 157.1 235.7

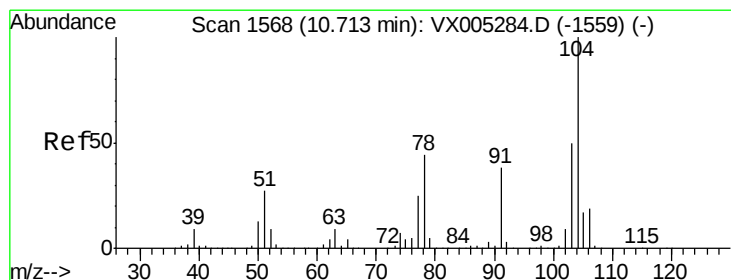
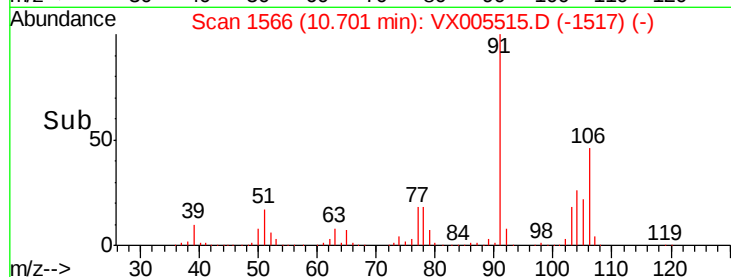
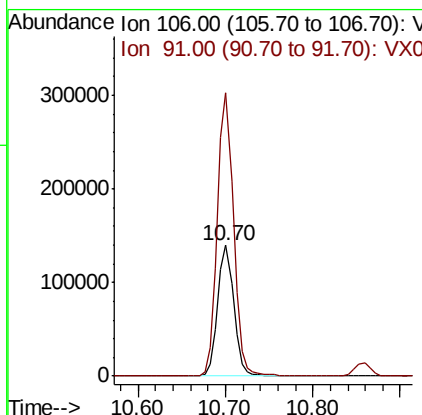
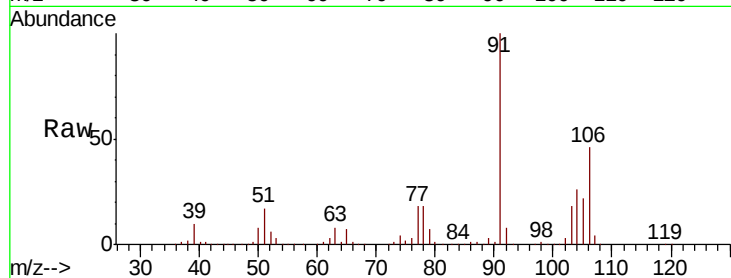




#69
o-Xylene
Concen: 51.577 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX005515.D
Acq: 23 Oct 2018 12:13

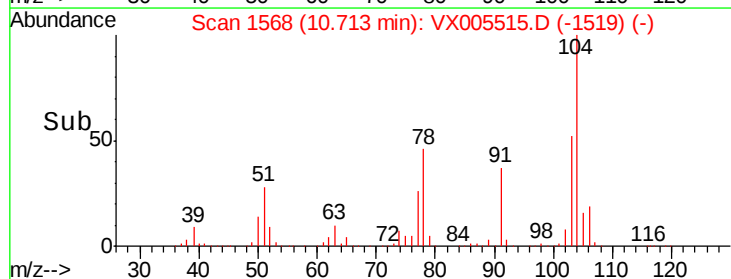
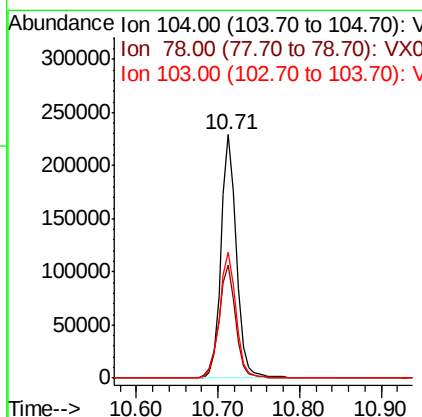
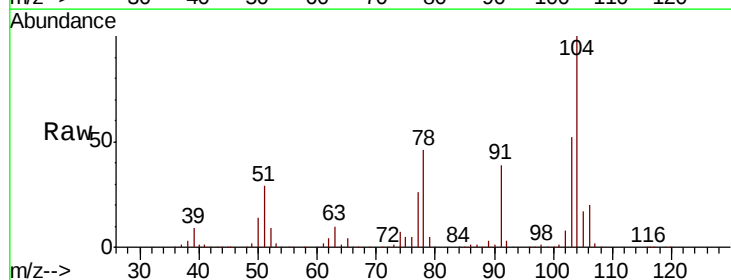
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:106 Resp: 178395
Ion Ratio Lower Upper
106 100
91 217.1 105.1 315.1



#70
Styrene
Concen: 53.278 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX005515.D
Acq: 23 Oct 2018 12:13

Tgt Ion:104 Resp: 303103
Ion Ratio Lower Upper
104 100
78 51.0 37.4 56.0
103 56.1 43.8 65.6





#71

Bromoform

Concen: 51.030 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX005515.D

Acq: 23 Oct 2018 12:13

Instrument :

MSVOA_X

ClientSampleId :

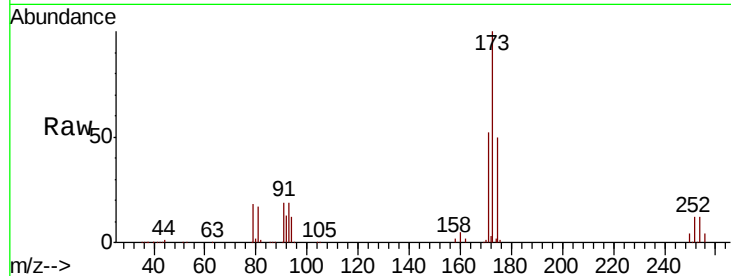
Tot Ion:173 Resp: 92367

Ion Ratio Lower Upper

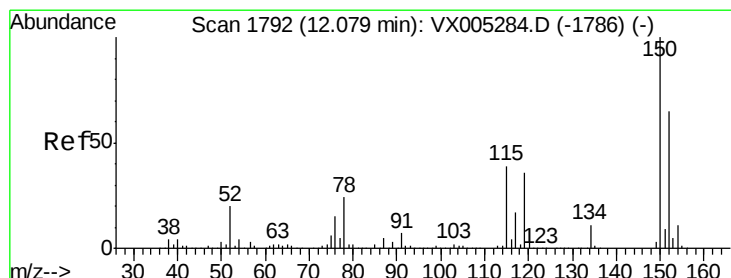
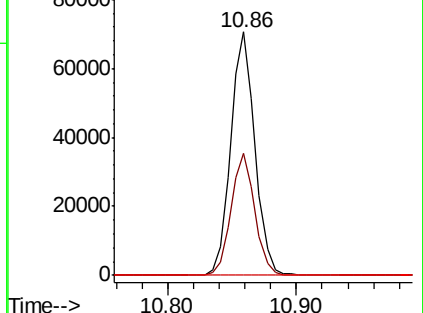
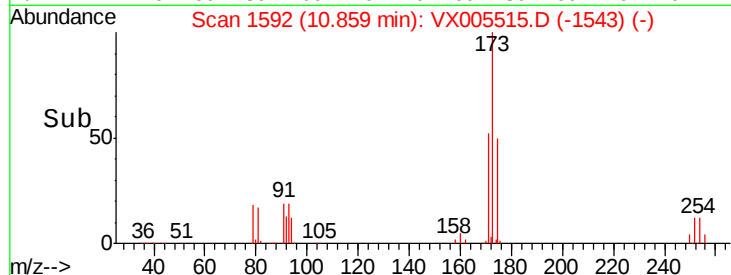
173 100

175 49.0 24.1 72.3

254 0.1 0.2 0.2#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX005515.D

Acq: 23 Oct 2018 12:13

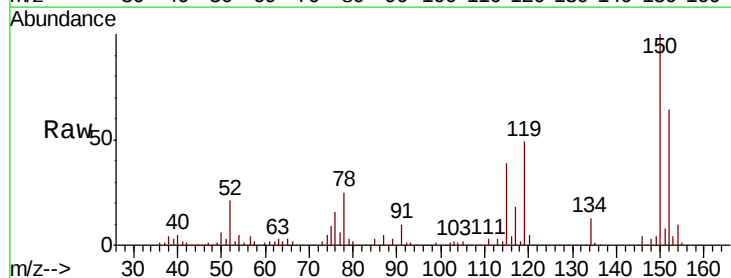
Tgt Ion:152 Resp: 156386

Ion Ratio Lower Upper

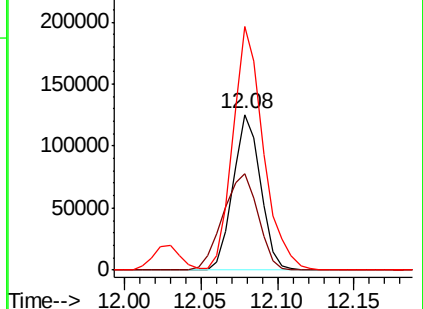
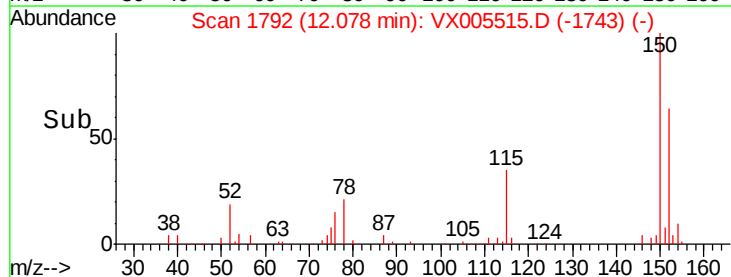
152 100

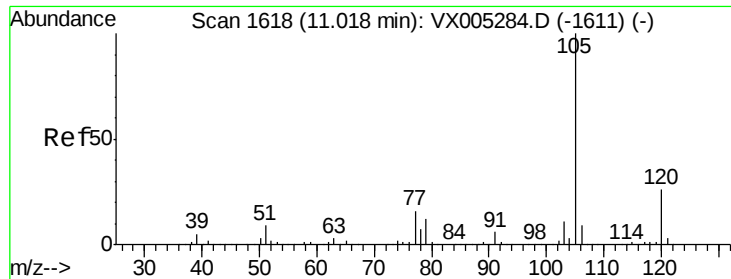
115 79.2 39.0 117.0

150 173.0 0.0 351.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 53.738 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX005515.D

Acq: 23 Oct 2018 12:13

Instrument :

MSVOA_X

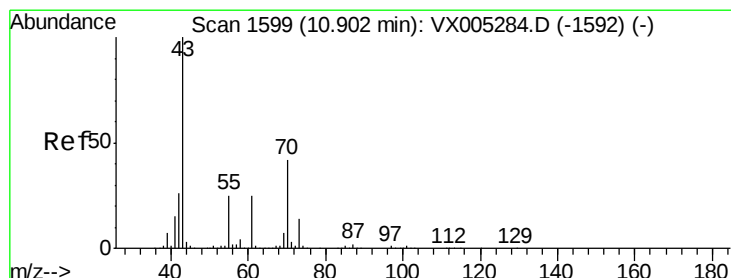
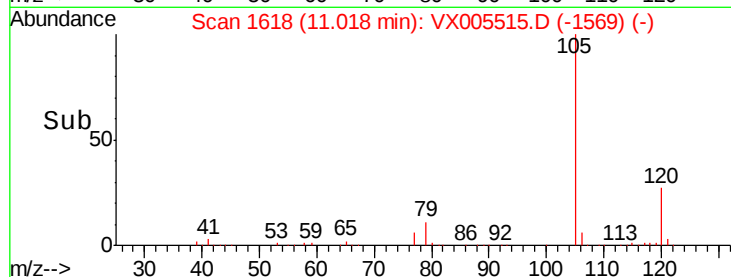
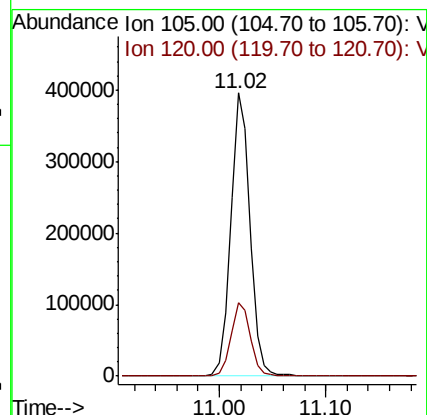
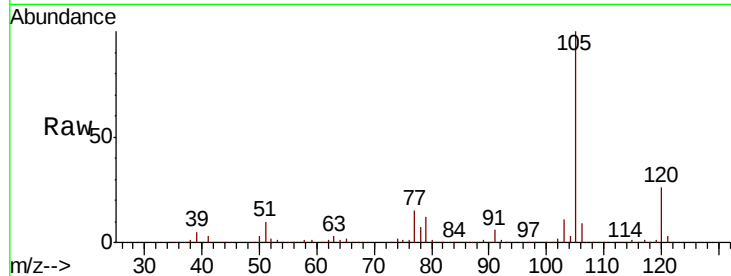
ClientSampled :

Tot Ion:105 Resp: 499589

Ion Ratio Lower Upper

105 100

120 26.4 13.5 40.4



#74

N-ethyl acetate

Concen: 54.019 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. -0.00 min

Lab File: VX005515.D

Acq: 23 Oct 2018 12:13

Tgt Ion: 43 Resp: 242219

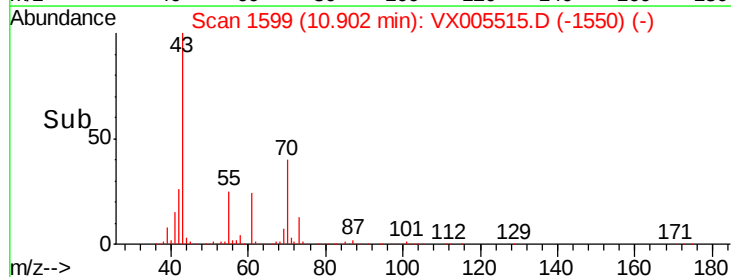
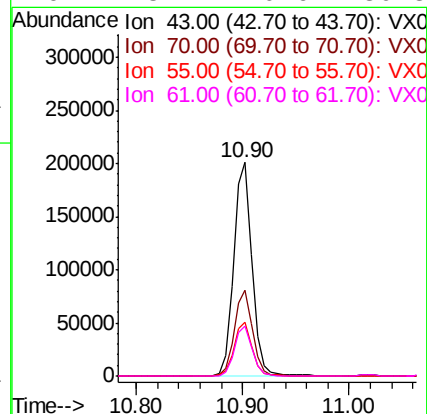
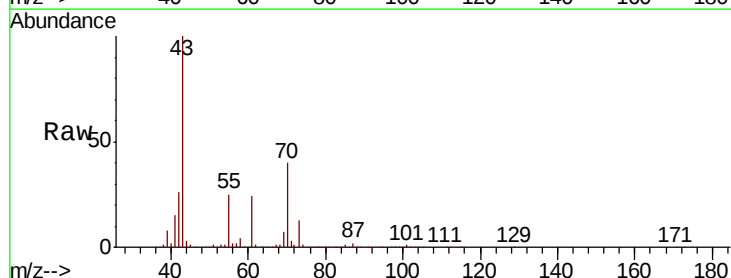
Ion Ratio Lower Upper

43 100

70 39.9 37.4 56.0

55 25.2 21.8 32.8

61 23.2 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 49.053 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX005515.D

Acq: 23 Oct 2018 12:13

Instrument :

MSVOA_X

ClientSampleId :

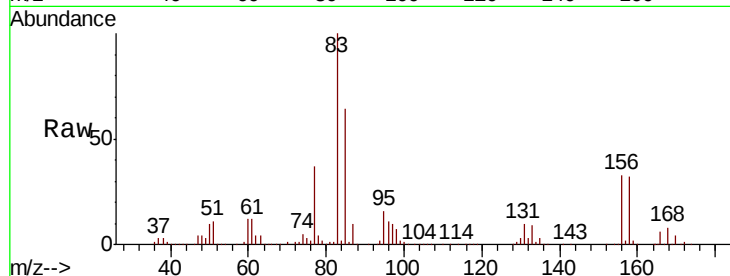
Tot Ion: 83 Resp: 172028

Ion Ratio Lower Upper

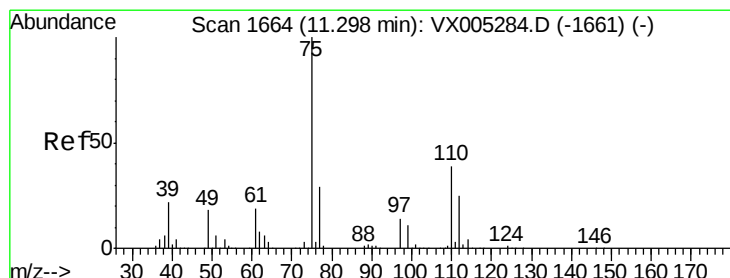
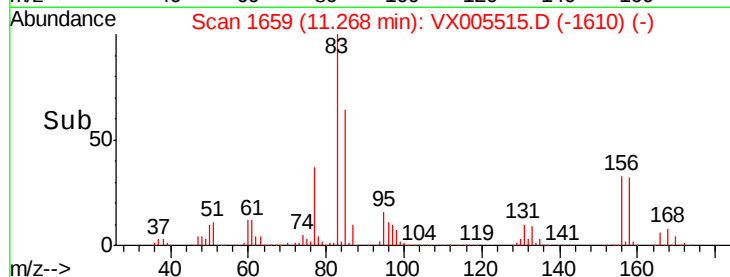
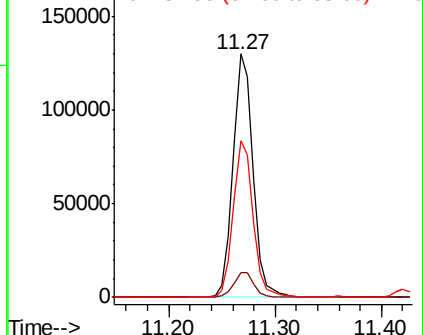
83 100

131 10.4 5.2 15.6

85 64.2 32.3 96.8



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



#76

1,2,3-Trichloropropane

Concen: 66.824 ug/l

RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VX005515.D

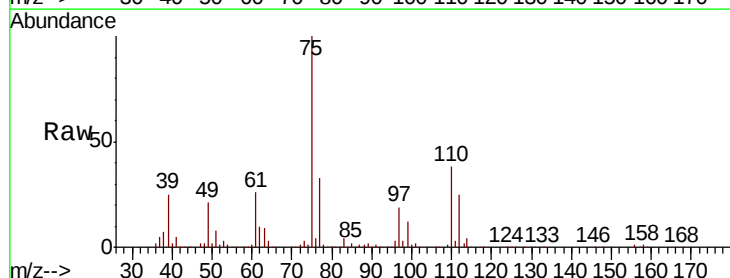
Acq: 23 Oct 2018 12:13

Tgt Ion: 75 Resp: 202708

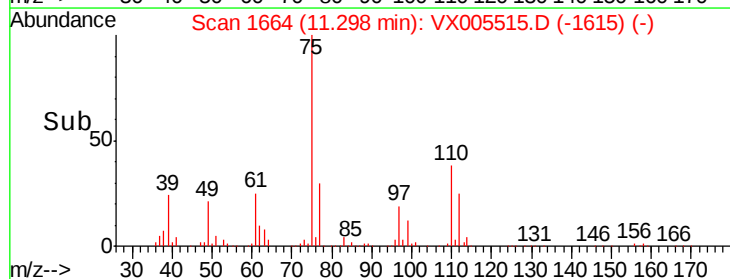
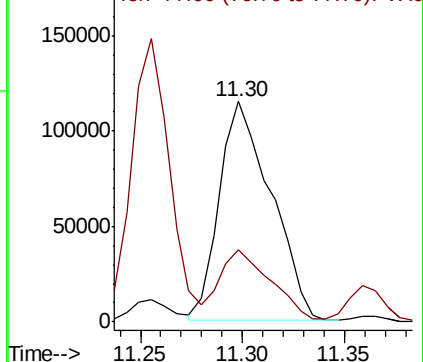
Ion Ratio Lower Upper

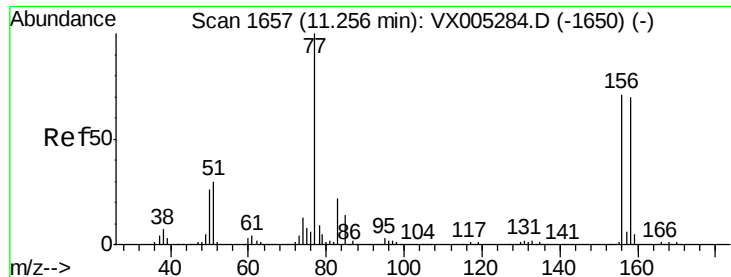
75 100

77 32.7 20.2 60.6



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





#77

Bromobenzene

Concen: 49.480 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX005515.D

Acq: 23 Oct 2018 12:13

Instrument :

MSVOA_X

ClientSampleId :

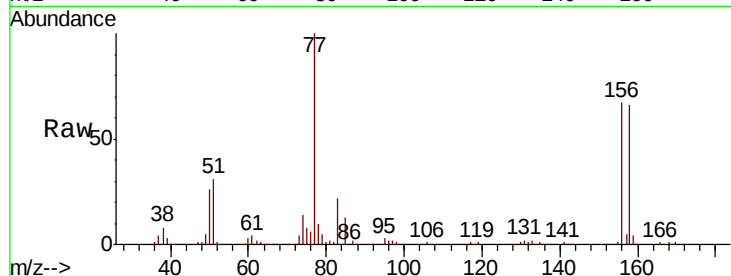
Tot Ion:156 Resp: 131526

Ion Ratio Lower Upper

156 100

77 147.1 71.5 214.3

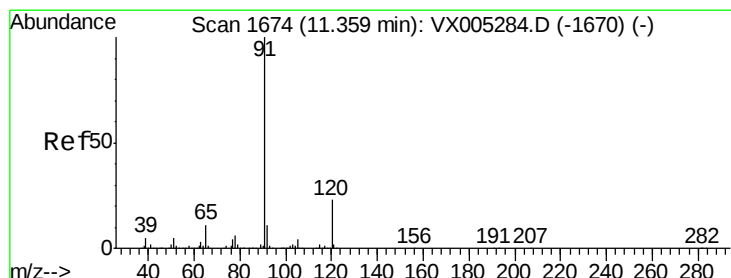
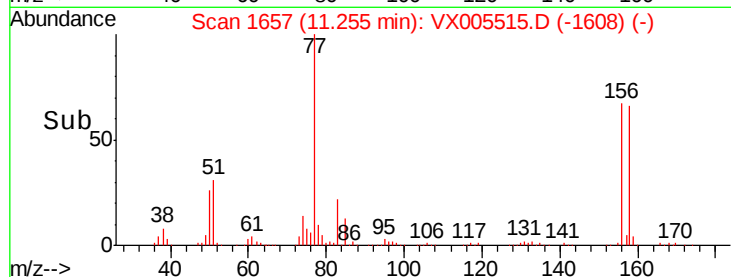
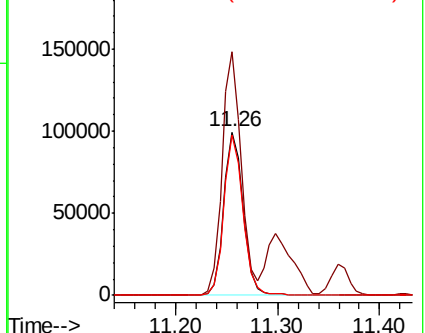
158 96.8 48.9 146.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 54.112 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX005515.D

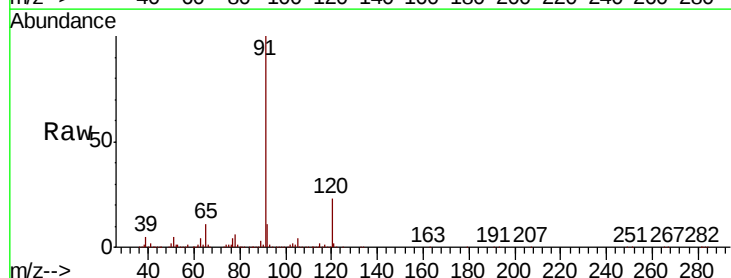
Acq: 23 Oct 2018 12:13

Tgt Ion: 91 Resp: 578898

Ion Ratio Lower Upper

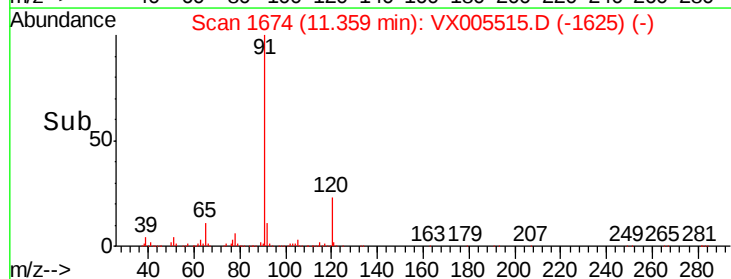
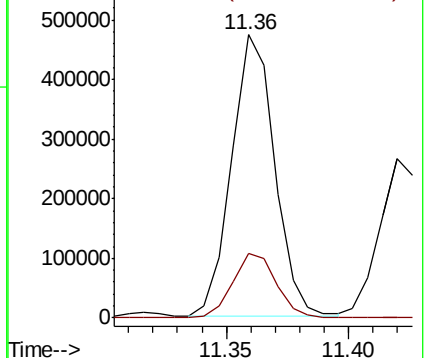
91 100

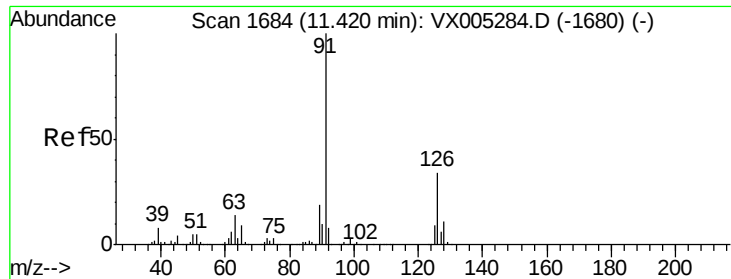
120 23.6 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

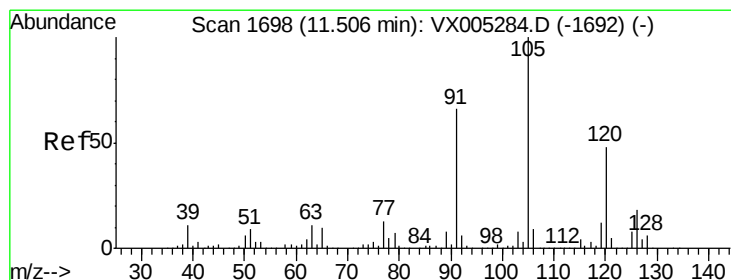
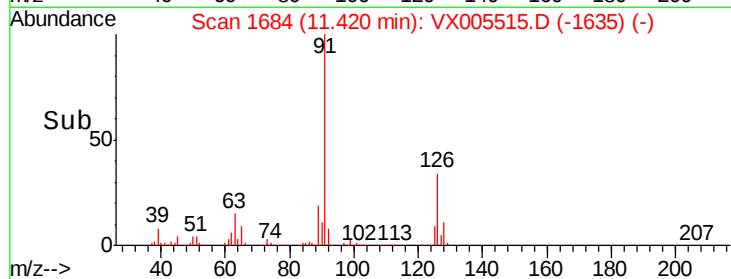
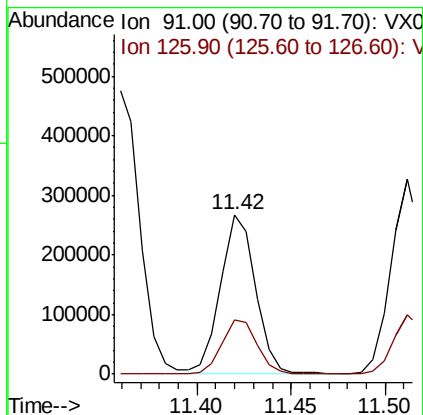
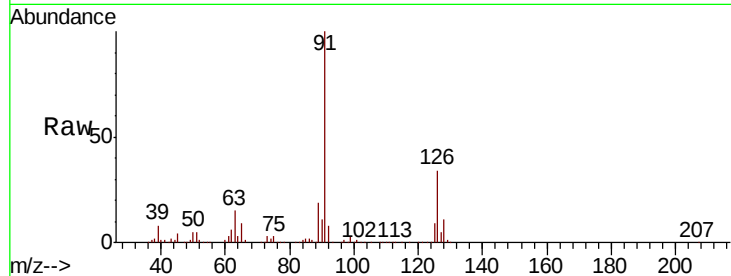




#79
 2-Chlorotoluene
 Concen: 52.123 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. -0.00 min
 Lab File: VX005515.D
 Acq: 23 Oct 2018 12:13

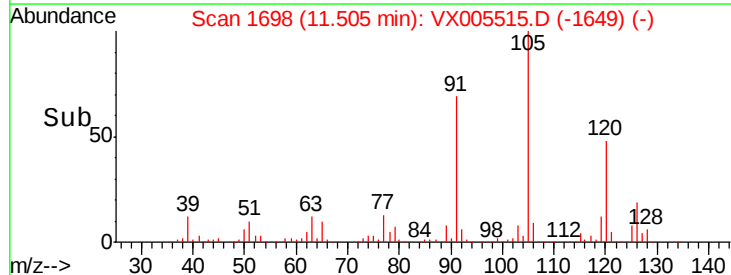
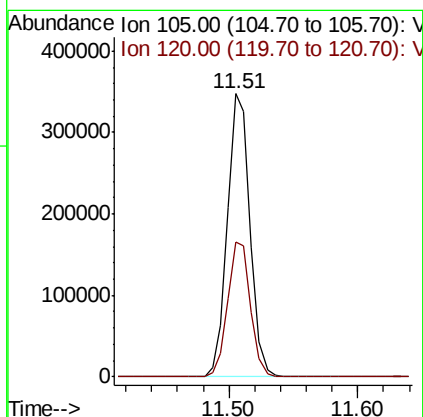
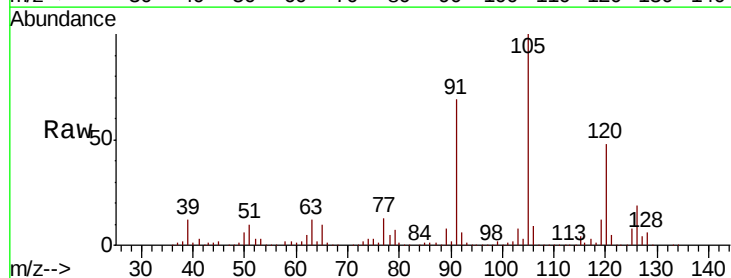
Instrument :
 MSVOA_X
 ClientSampleId :

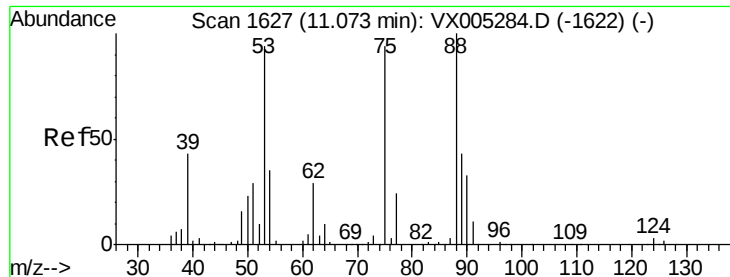
Tot Ion: 91 Resp: 341502
 Ion Ratio Lower Upper
 91 100
 126 35.2 17.9 53.7



#80
 1,3,5-Trimethylbenzene
 Concen: 53.834 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX005515.D
 Acq: 23 Oct 2018 12:13

Tgt Ion: 105 Resp: 428578
 Ion Ratio Lower Upper
 105 100
 120 48.3 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 51.797 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX005515.D

Acq: 23 Oct 2018 12:13

Instrument :

MSVOA_X

ClientSampleId :

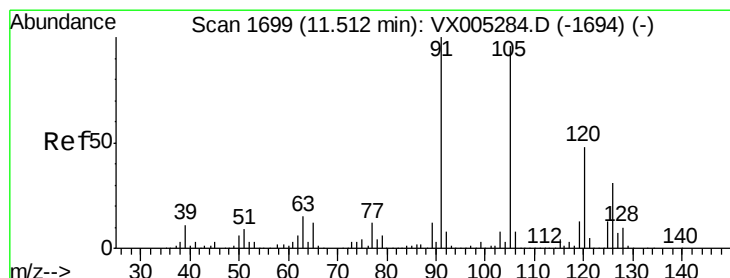
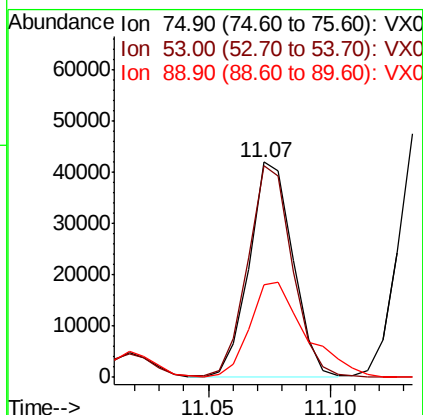
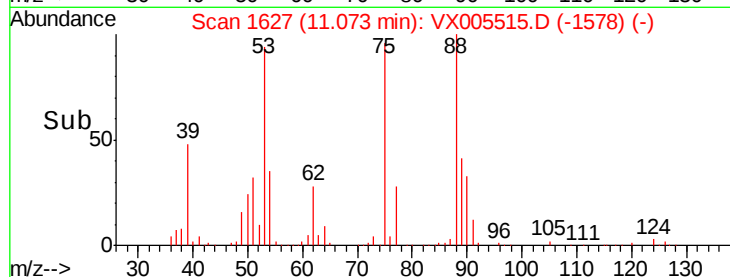
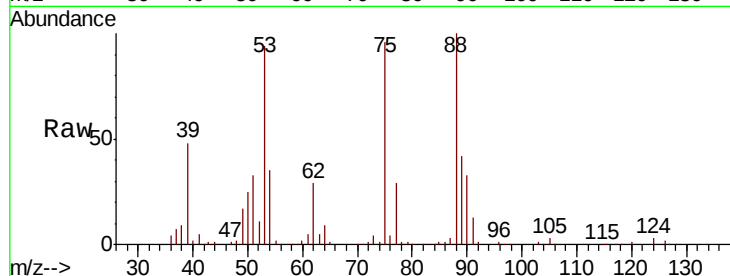
Tot Ion: 75 Resp: 51711

Ion Ratio Lower Upper

75 100

53 101.2 80.1 120.1

89 57.3 37.2 55.8#



#82

4-Chlorotoluene

Concen: 52.550 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX005515.D

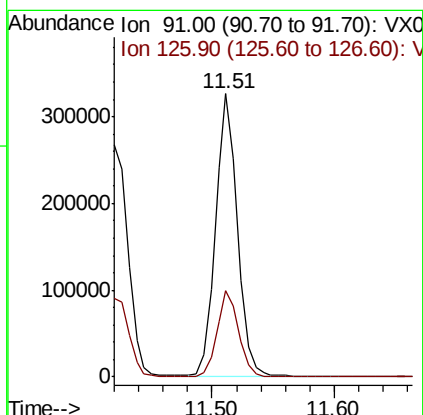
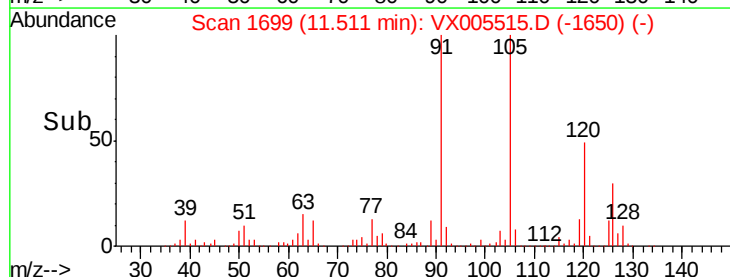
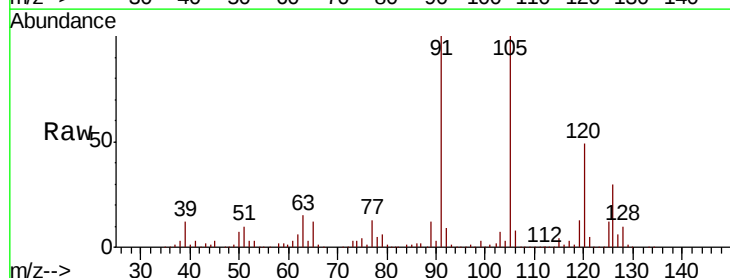
Acq: 23 Oct 2018 12:13

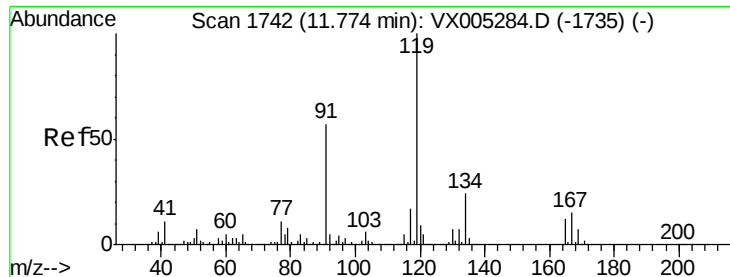
Tgt Ion: 91 Resp: 408141

Ion Ratio Lower Upper

91 100

126 30.1 15.5 46.5

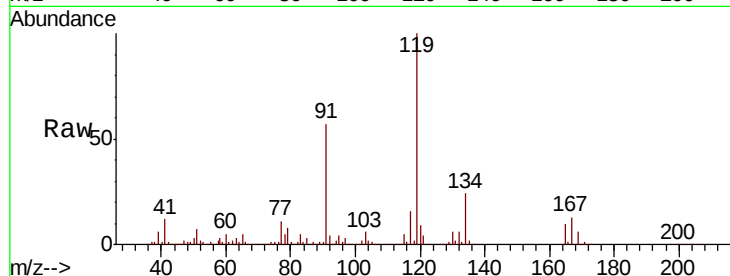




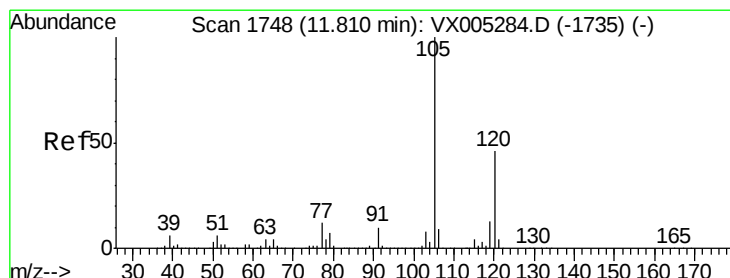
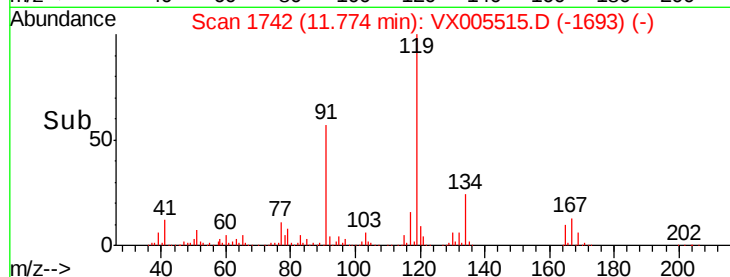
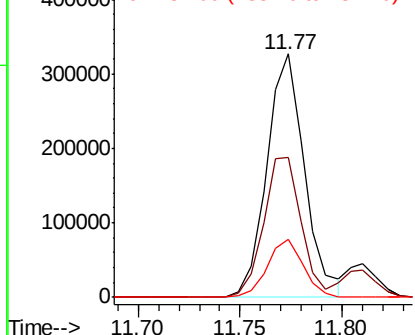
#83
 tert-Butylbenzene
 Concen: 52.192 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. -0.00 min
 Lab File: VX005515.D
 Acq: 23 Oct 2018 12:13

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion:119 Resp: 420764
 Ion Ratio Lower Upper
 119 100
 91 57.2 27.0 81.0
 134 22.6 11.7 35.1

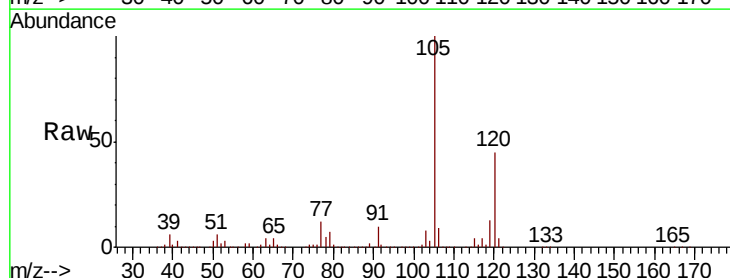


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VX0
 Ion 134.00 (133.70 to 134.70): V

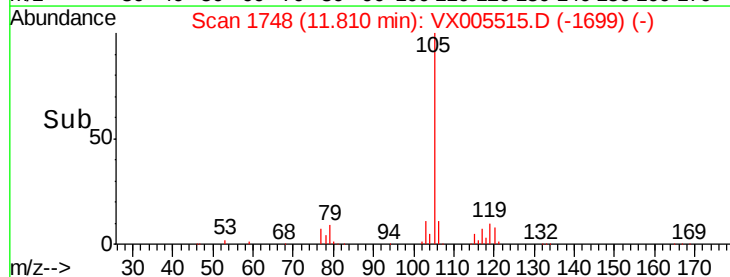
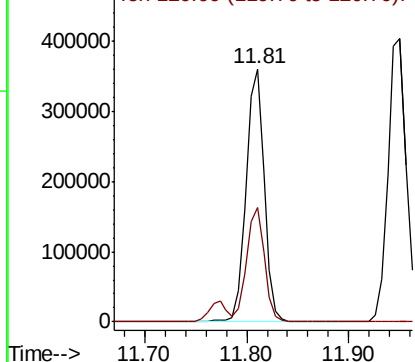


#84
 1,2,4-Trimethylbenzene
 Concen: 54.091 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. -0.00 min
 Lab File: VX005515.D
 Acq: 23 Oct 2018 12:13

Tgt Ion:105 Resp: 443153
 Ion Ratio Lower Upper
 105 100
 120 44.5 23.2 69.6



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 53.953 ug/l

RT: 11.95 min Scan# 1771

Delta R.T. 0.01 min

Lab File: VX005515.D

Acq: 23 Oct 2018 12:13

Instrument :

MSVOA_X

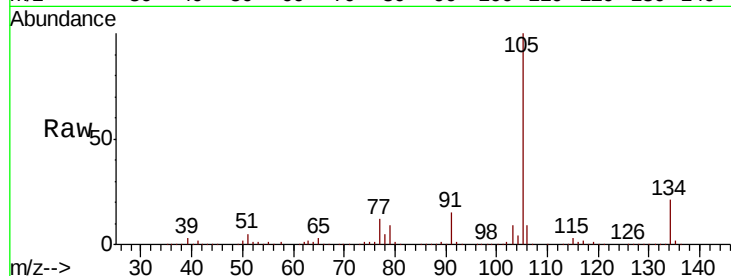
ClientSampleId :

Tot Ion:105 Resp: 514746

Ion Ratio Lower Upper

105 100

134 20.2 10.5 31.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.95

400000

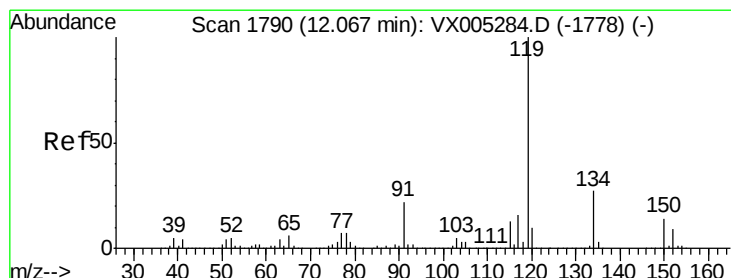
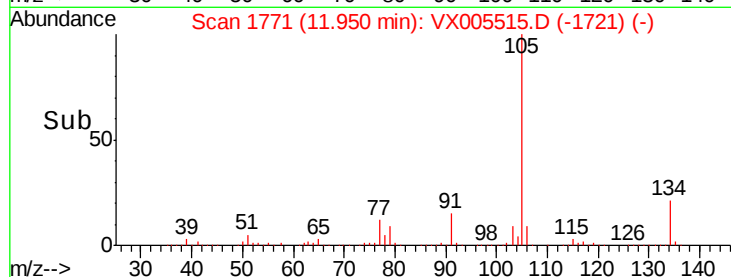
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 54.023 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX005515.D

Acq: 23 Oct 2018 12:13

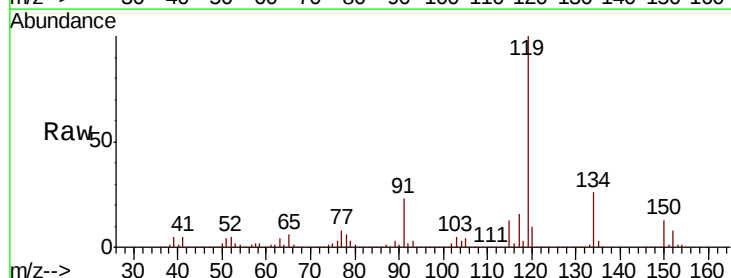
Tgt Ion:119 Resp: 465848

Ion Ratio Lower Upper

119 100

134 26.4 13.4 40.2

91 23.5 10.9 32.7



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

500000

400000

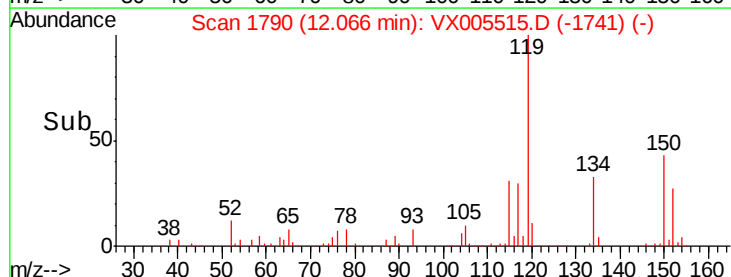
300000

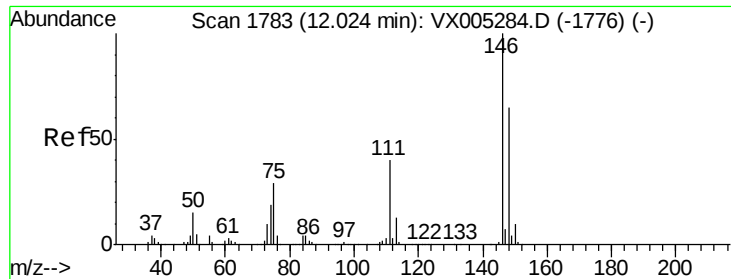
200000

100000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 49.704 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VX005515.D

Acq: 23 Oct 2018 12:13

Instrument :

MSVOA_X

ClientSampled :

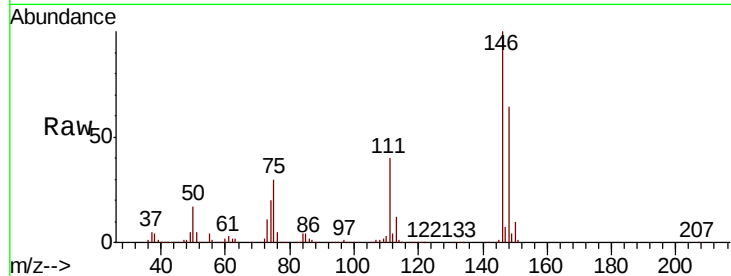
Tot Ion:146 Resp: 246885

Ion Ratio Lower Upper

146 100

111 38.5 18.7 56.1

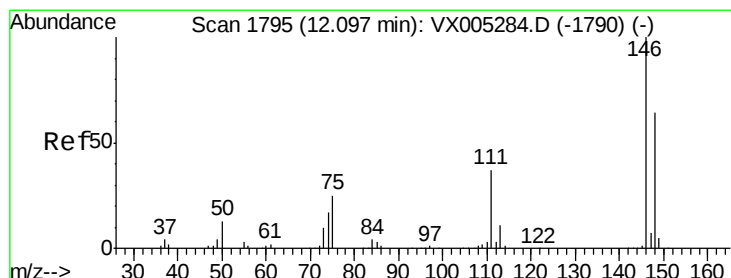
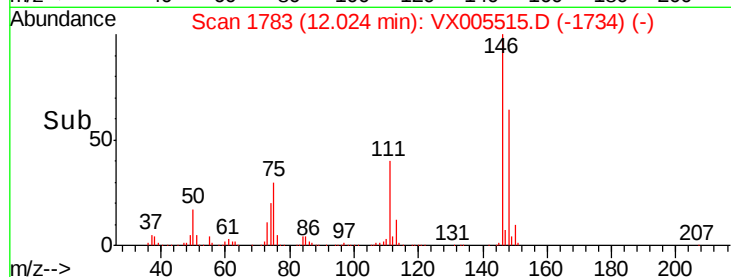
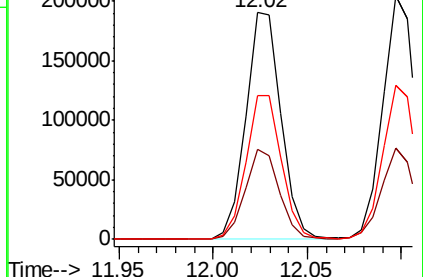
148 63.9 32.1 96.5



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



#88

1,4-Dichlorobenzene

Concen: 49.650 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VX005515.D

Acq: 23 Oct 2018 12:13

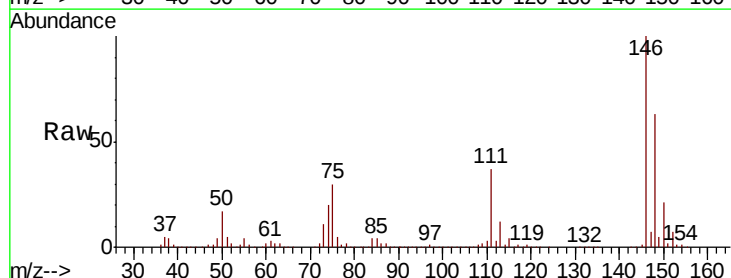
Tgt Ion:146 Resp: 252292

Ion Ratio Lower Upper

146 100

111 37.4 18.1 54.1

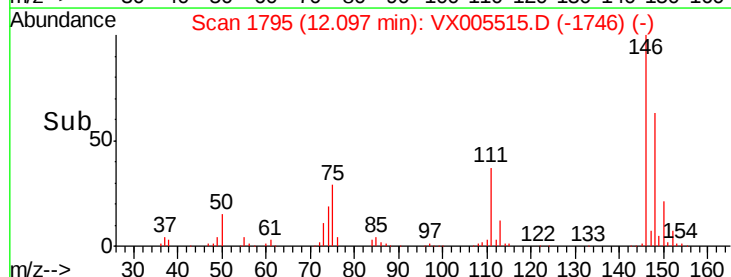
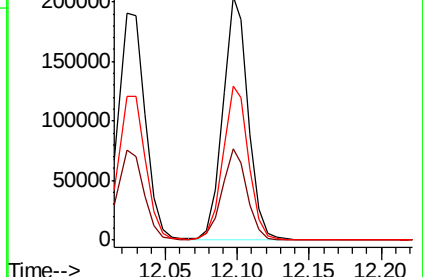
148 64.4 32.0 96.0



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

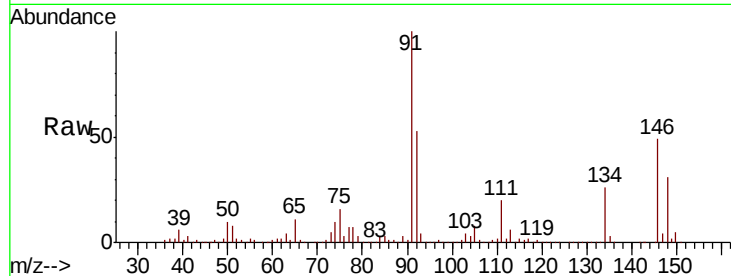




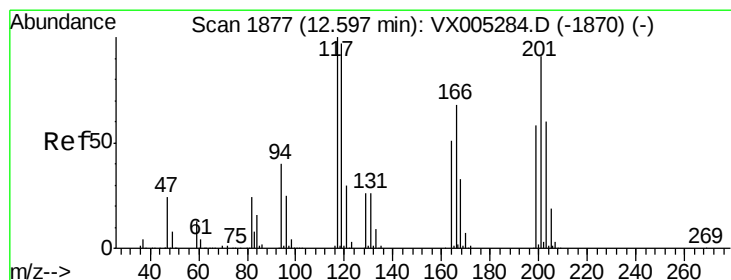
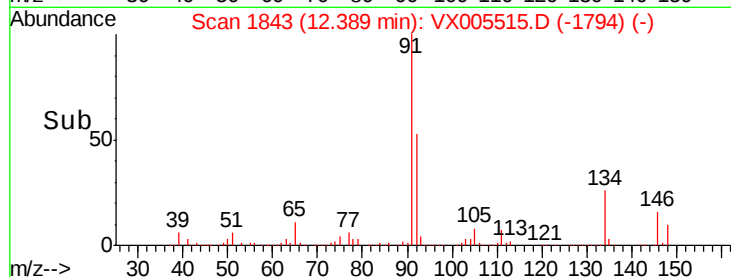
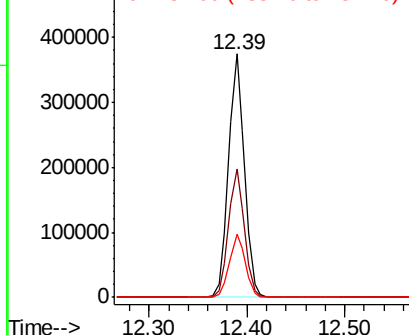
#89
n-Butylbenzene
Concen: 53.793 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX005515.D
Acq: 23 Oct 2018 12:13

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 91 Resp: 421172
Ion Ratio Lower Upper
91 100
92 52.6 27.3 81.9
134 26.3 13.6 40.7

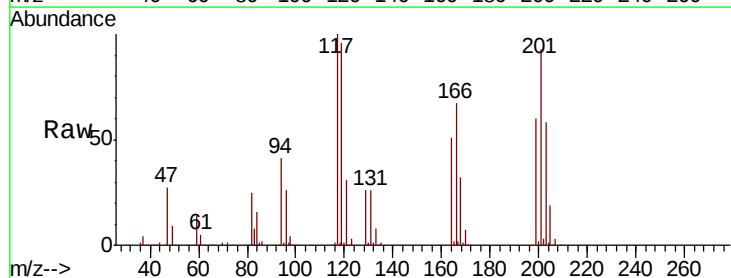


Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 92.00 (91.70 to 92.70): VX0
Ion 134.00 (133.70 to 134.70): V

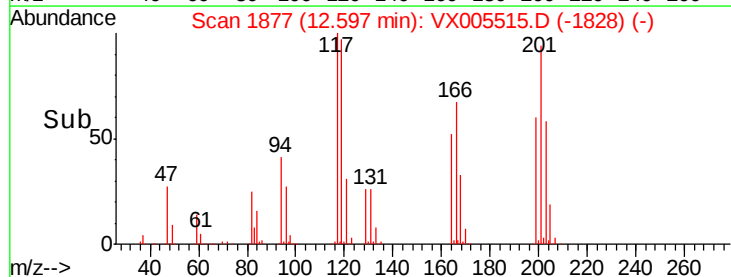
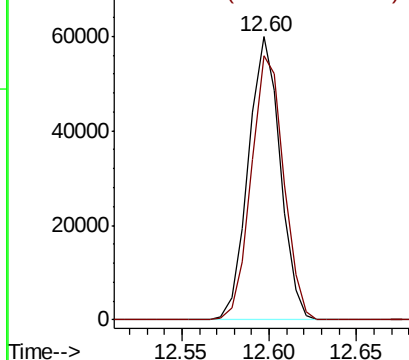


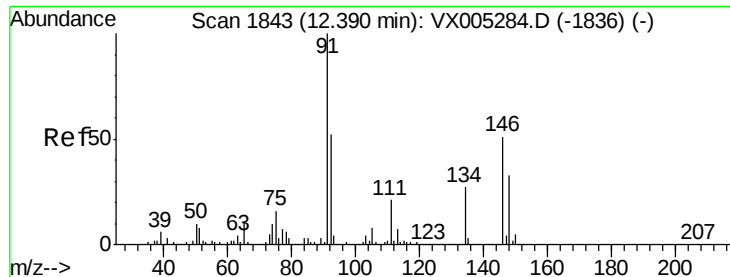
#90
Hexachloroethane
Concen: 51.070 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX005515.D
Acq: 23 Oct 2018 12:13

Tgt Ion: 117 Resp: 75897
Ion Ratio Lower Upper
117 100
201 95.1 46.9 140.6



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 49.591 ug/l

RT: 12.40 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VX005515.D

Acq: 23 Oct 2018 12:13

Instrument :

MSVOA_X

ClientSampled :

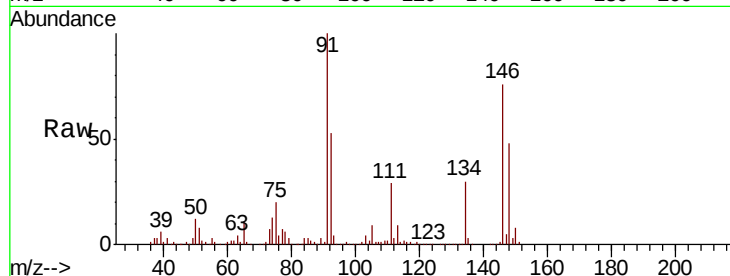
Tot Ion:146 Resp: 251366

Ion Ratio Lower Upper

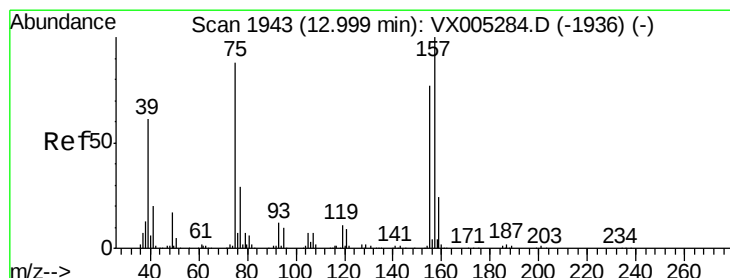
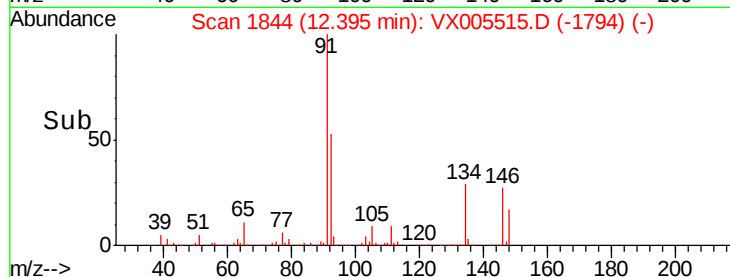
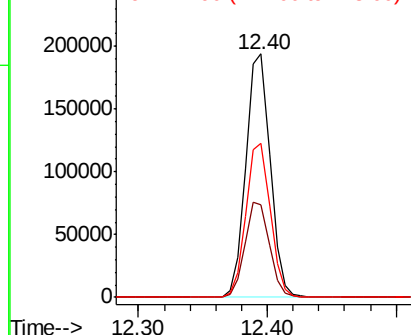
146 100

111 39.3 19.4 58.1

148 63.4 32.8 98.3



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 48.930 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VX005515.D

Acq: 23 Oct 2018 12:13

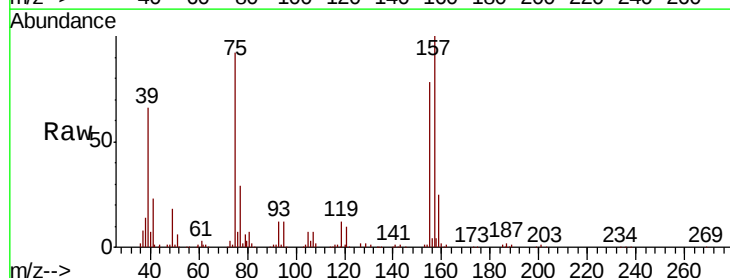
Tgt Ion: 75 Resp: 41857

Ion Ratio Lower Upper

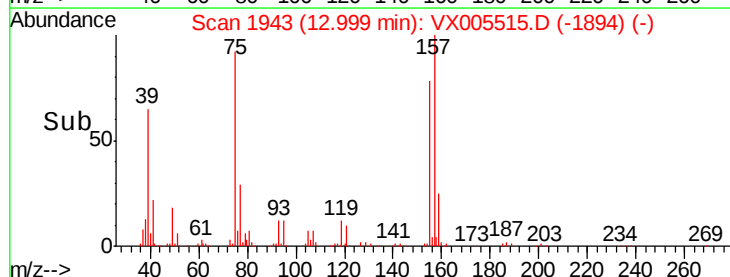
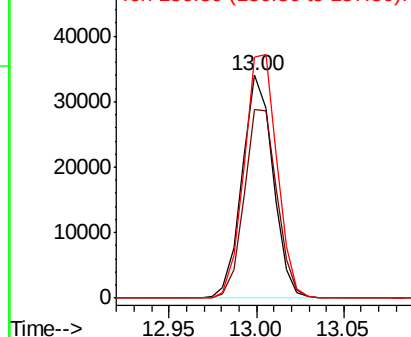
75 100

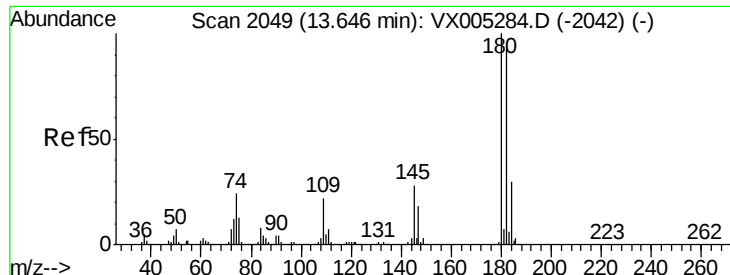
155 89.6 48.0 144.2

157 116.3 61.4 184.1



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

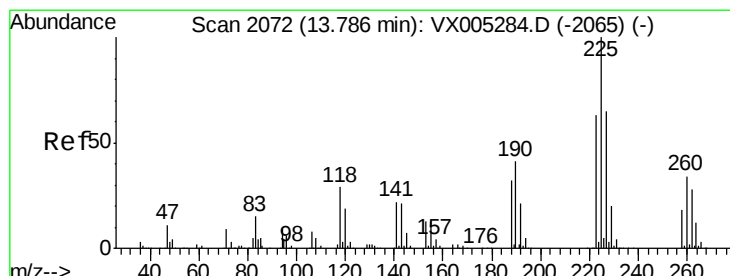
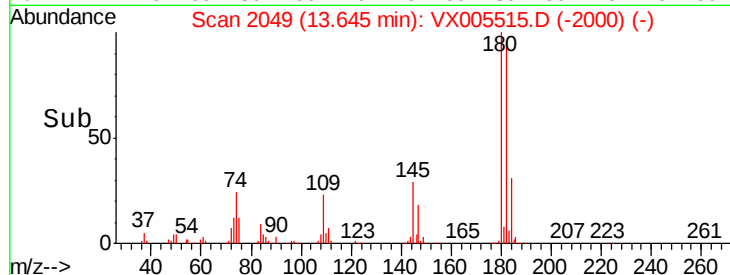
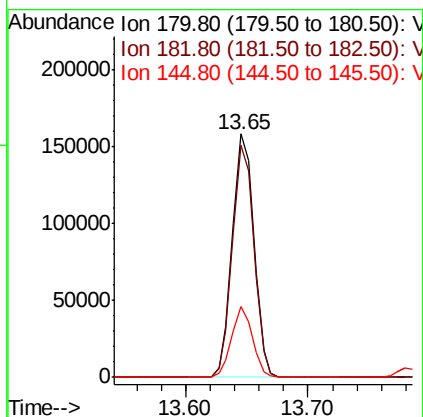
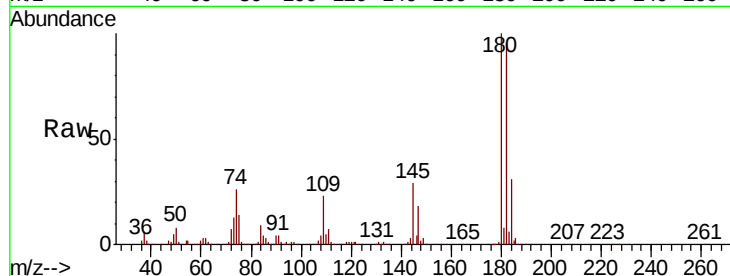




#93
 1,2,4-Trichlorobenzene
 Concen: 51.921 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX005515.D
 Acq: 23 Oct 2018 12:13

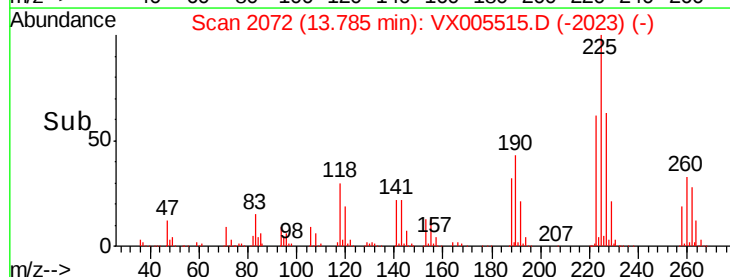
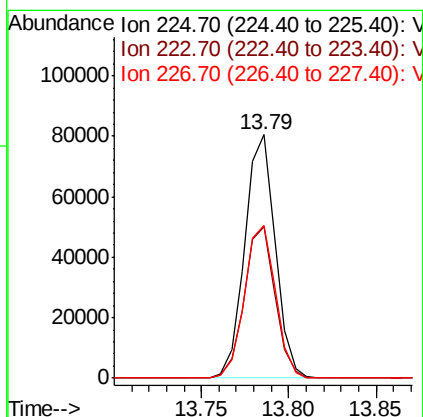
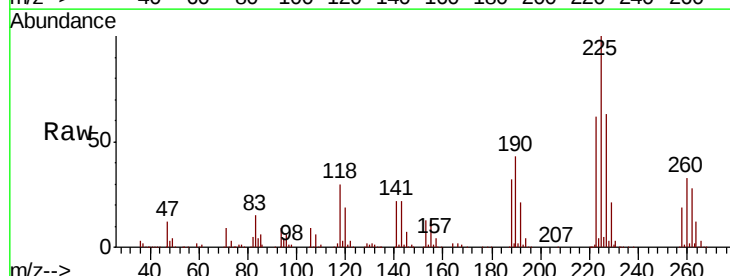
Instrument :
 MSVOA_X
 ClientSampleId :

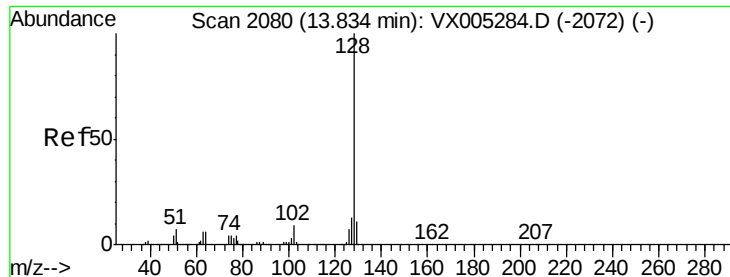
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.9	48.4	145.0
145	28.0	14.3	42.9



#94
 Hexachlorobutadiene
 Concen: 49.518 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX005515.D
 Acq: 23 Oct 2018 12:13

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	30.1	90.5
227	64.0	30.8	92.4





#95

Naphthalene

Concen: 54.151 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX005515.D

Acq: 23 Oct 2018 12:13

Instrument :

MSVOA_X

ClientSampleId :

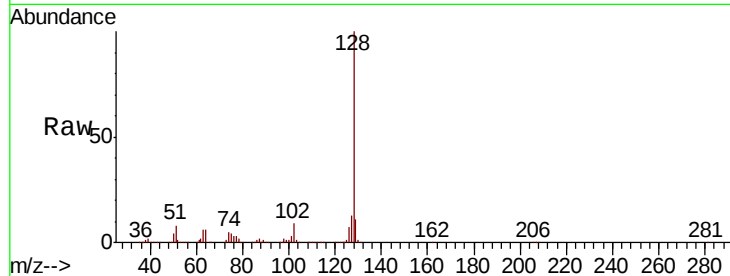
Tot Ion:128 Resp: 584024

Ion Ratio Lower Upper

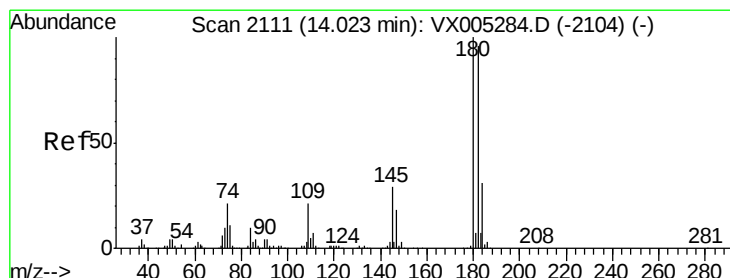
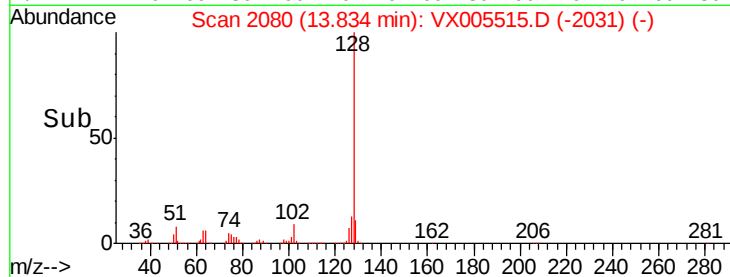
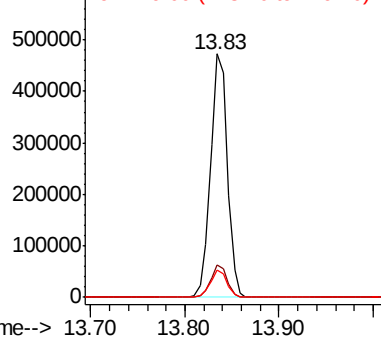
128 100

127 13.1 10.2 15.2

129 11.0 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 51.246 ug/l

RT: 14.02 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VX005515.D

Acq: 23 Oct 2018 12:13

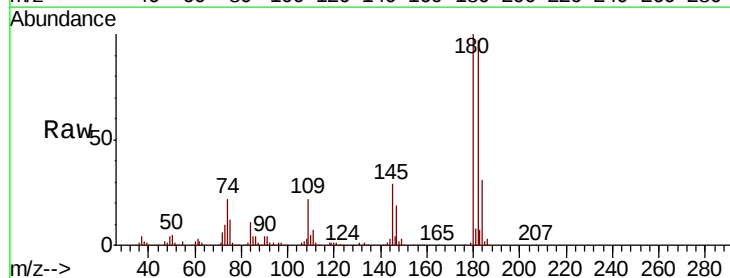
Tgt Ion:180 Resp: 194998

Ion Ratio Lower Upper

180 100

182 95.8 48.5 145.6

145 30.2 14.9 44.9



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

