

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX103118\
 Data File : VX005713.D
 Acq On : 31 Oct 2018 18:35
 Operator : JC/MD
 Sample : VX1031MBL01
 Misc : 5.00µl/100µl/5.00mL/MSVOA_X/MEOH
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 31 19:00:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 31 18:23:06 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	107849	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	177166	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	149414	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	65368	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	82143	52.10	ug/l	0.00
Spiked Amount			Recovery	=	104.20%	
35) Dibromofluoromethane	5.51	113	61952	50.50	ug/l	0.00
Spiked Amount			Recovery	=	101.00%	
50) Toluene-d8	8.71	98	211028	49.05	ug/l	0.00
Spiked Amount			Recovery	=	98.10%	
62) 4-Bromofluorobenzene	11.14	95	66326	41.77	ug/l	0.00
Spiked Amount			Recovery	=	83.54%	

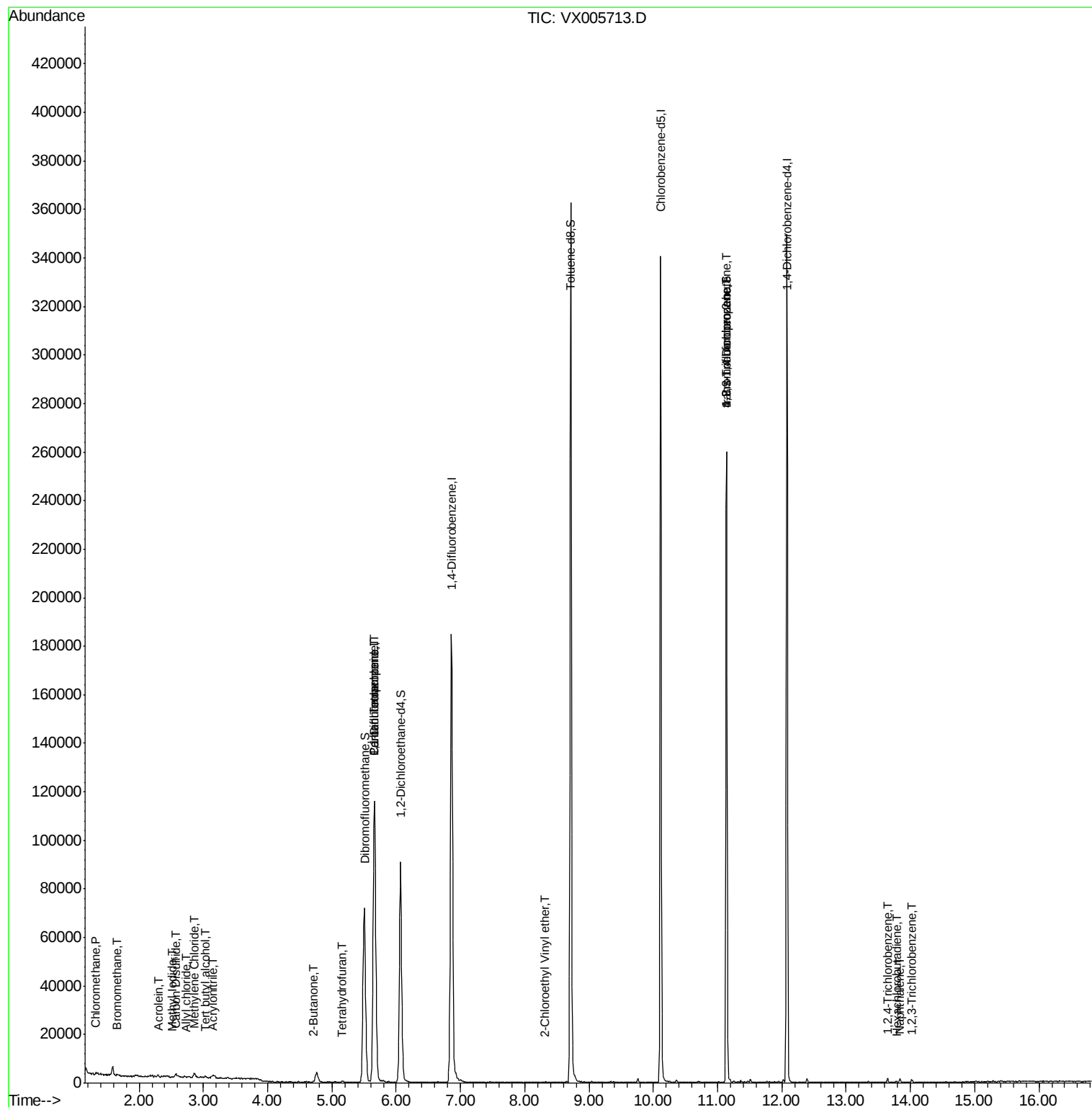
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	496	0.338	ug/l	100
5) Bromomethane	1.65	94	405	0.213	ug/l	100
6) Chloroethane	1.74	64	91	Below Cal	#	42
10) Methyl Iodide	2.52	142	183	2.092	ug/l #	91
11) Tert butyl alcohol	3.03	59	582	1.359	ug/l #	72
13) Acrolein	2.29	56	292	13.089	ug/l #	62
14) Allyl chloride	2.73	41	488	0.203	ug/l #	43
15) Acrylonitrile	3.15	53	609	0.647	ug/l #	86
16) Acetone	2.44	43	343	Below Cal	#	33
17) Carbon Disulfide	2.57	76	1827	0.512	ug/l	97
20) Methylene Chloride	2.86	84	712	0.524	ug/l #	77
25) 2-Butanone	4.71	43	296	0.223	ug/l #	51
29) Tetrahydrofuran	5.15	42	282	0.347	ug/l #	49
36) 1,1-Dichloropropene	5.66	75	9441	5.002	ug/l #	48
38) Carbon Tetrachloride	5.66	117	11389	6.678	ug/l #	15
58) 2-Chloroethyl Vinyl ether	8.30	63	166	10.463	ug/l #	48
76) 1,2,3-Trichloropropane	11.14	75	35592	21.861	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	35592	70.633	ug/l #	9
93) 1,2,4-Trichlorobenzene	13.65	180	392	0.283	ug/l	88
94) Hexachlorobutadiene	13.79	225	152	0.227	ug/l	97
95) Naphthalene	13.83	128	1019	0.224	ug/l #	91
96) 1,2,3-Trichlorobenzene	14.02	180	410	0.291	ug/l #	83

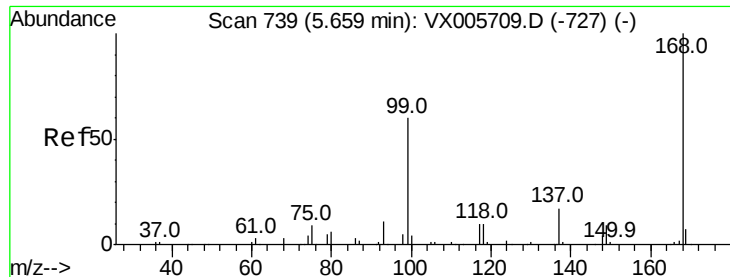
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX103118\
Data File : VX005713.D
Acq On : 31 Oct 2018 18:35
Operator : JC/MD
Sample : VX1031MBL01
Misc : 5.0µl/10ml/100ul/5.00mL/MSVOA_X/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Oct 31 19:00:54 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X103118W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 31 18:23:06 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX005713.D

Acq: 31 Oct 2018 18:35

Instrument :

MSVOA_X

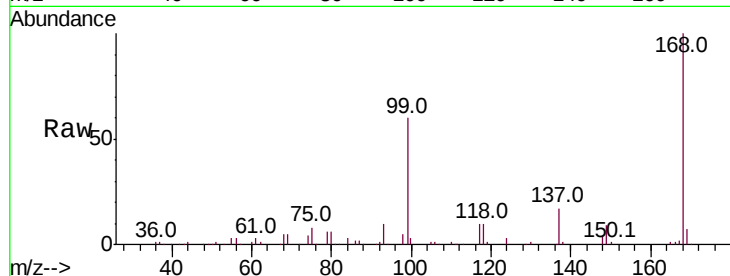
ClientSampleId :

Tot Ion:168 Resp: 107849

Ion Ratio Lower Upper

168 100

99 60.4 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

40000

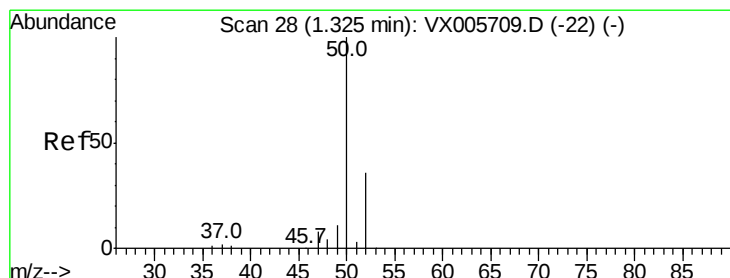
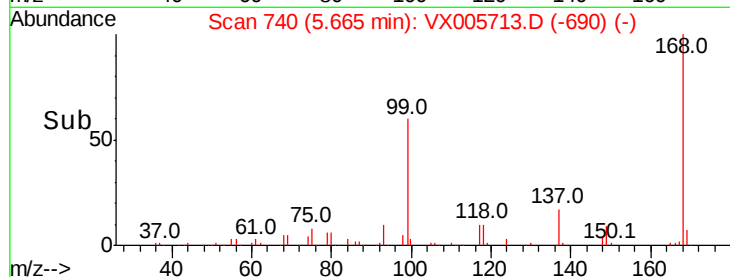
30000

20000

10000

0

Time-->



#3

Chloromethane

Concen: 0.338 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005713.D

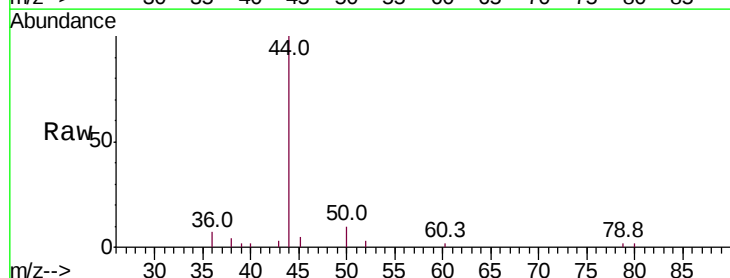
Acq: 31 Oct 2018 18:35

Tgt Ion: 50 Resp: 496

Ion Ratio Lower Upper

50 100

52 32.8 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

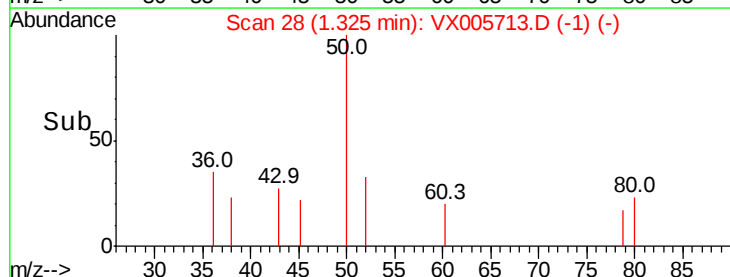
300

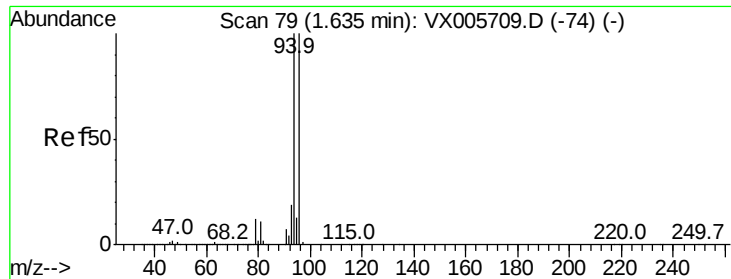
200

100

0

Time-->





#5

Bromomethane

Concen: 0.213 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.02 min

Lab File: VX005713.D

Acq: 31 Oct 2018 18:35

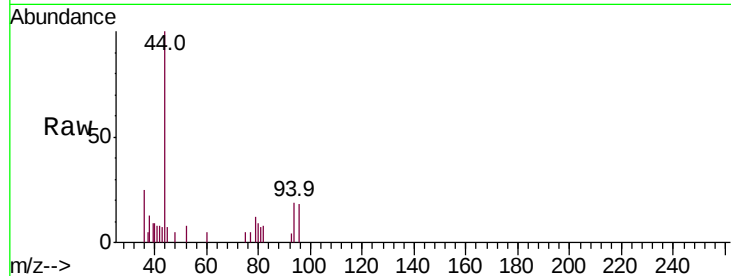
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 94 Resp: 405

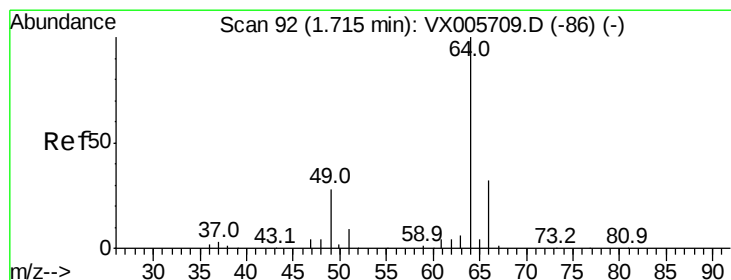
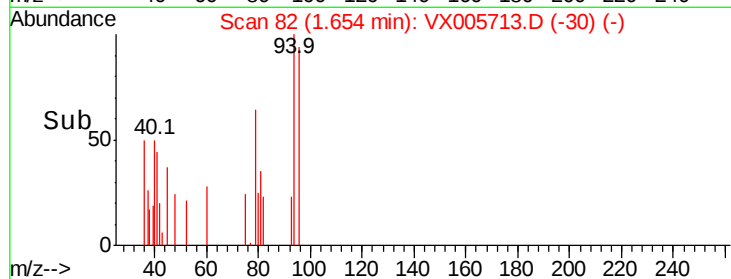
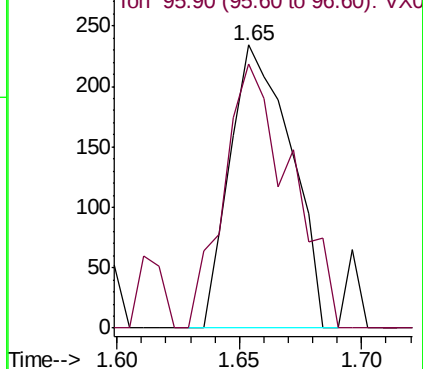
Ion Ratio Lower Upper

94 100

96 93.6 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.74 min Scan# 96

Delta R.T. 0.03 min

Lab File: VX005713.D

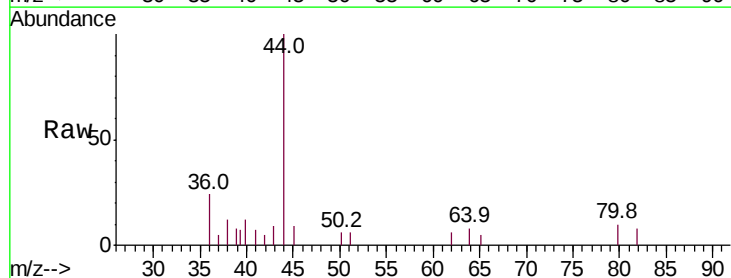
Acq: 31 Oct 2018 18:35

Tgt Ion: 64 Resp: 91

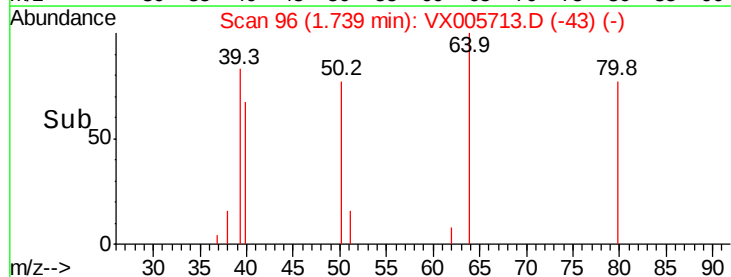
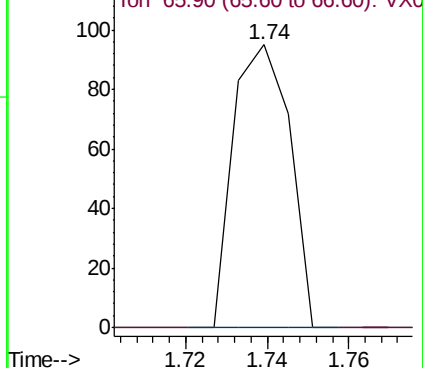
Ion Ratio Lower Upper

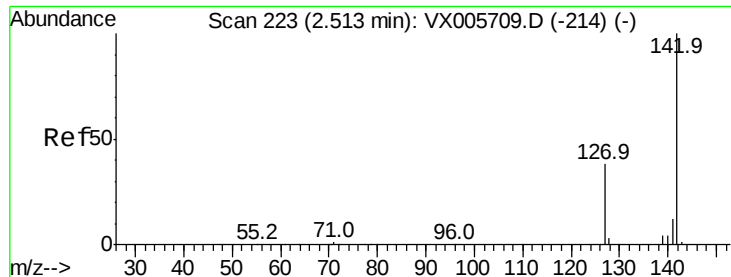
64 100

66 0.0 25.8 38.6#



Abundance Ion 63.90 (63.60 to 64.60): VX0

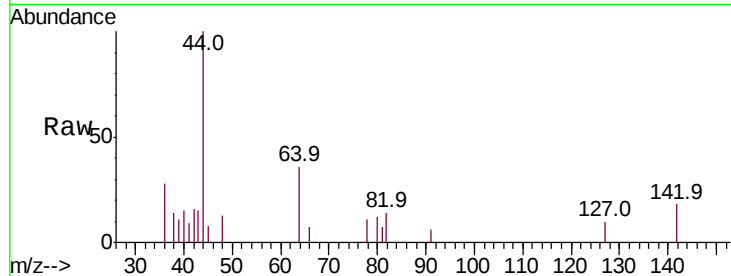




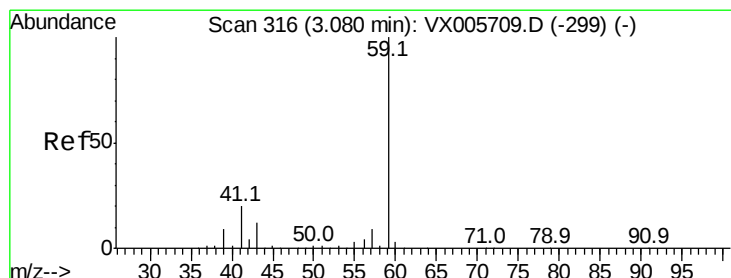
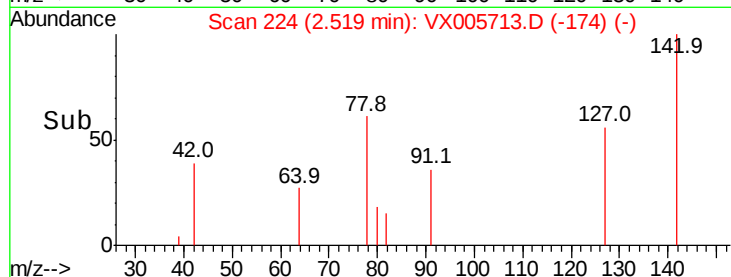
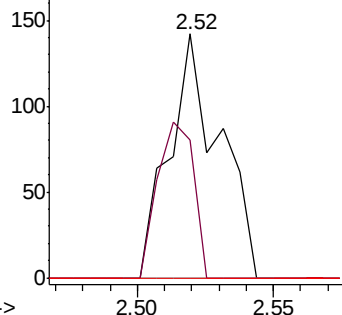
#10
Methvl Iodide
Concen: 2.092 ug/l
RT: 2.52 min Scan# 224
Delta R.T. 0.01 min
Lab File: VX005713.D
Acq: 31 Oct 2018 18:35

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:142 Resp: 183
Ion Ratio Lower Upper
142 100
127 45.4 36.0 54.0
141 0.0 11.7 17.5#

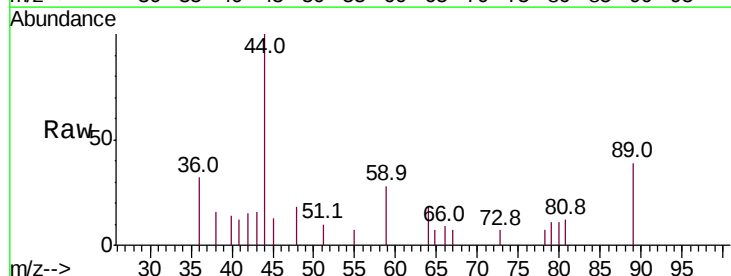


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

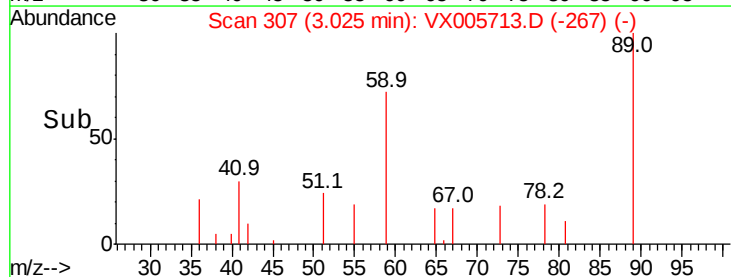
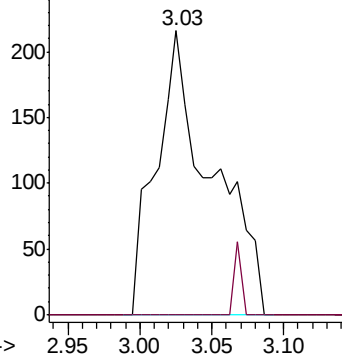


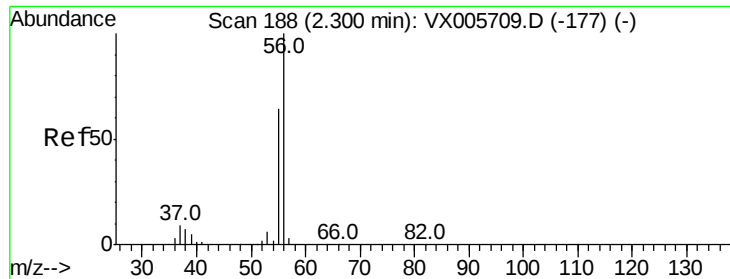
#11
Tert butyl alcohol
Concen: 1.359 ug/l
RT: 3.03 min Scan# 307
Delta R.T. -0.05 min
Lab File: VX005713.D
Acq: 31 Oct 2018 18:35

Tgt Ion: 59 Resp: 582
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 13.089 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX005713.D

Acq: 31 Oct 2018 18:35

Instrument :

MSVOA_X

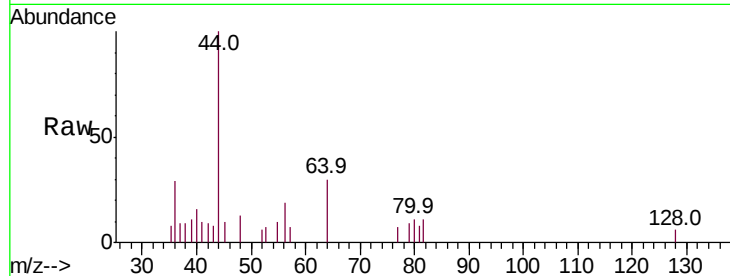
ClientSampleId :

Tot Ion: 56 Resp: 292

Ion Ratio Lower Upper

56 100

55 103.1 57.3 85.9#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

200

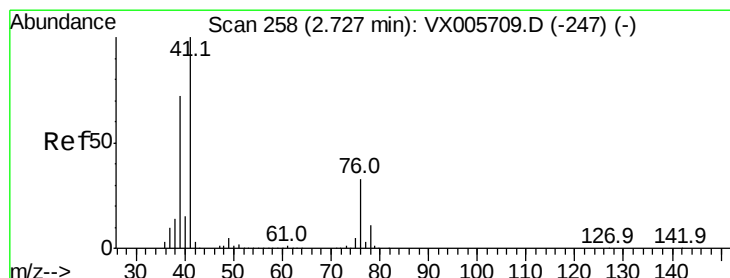
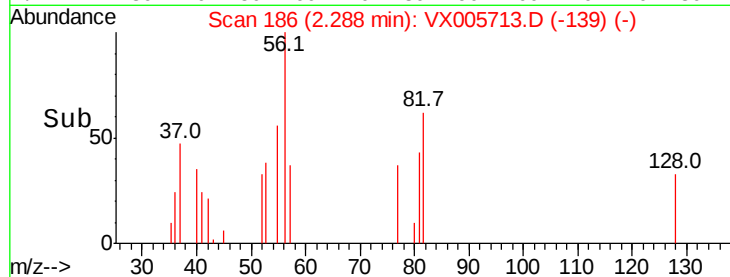
150

100

50

0

Time-->



#14

Allyl chloride

Concen: 0.203 ug/l

RT: 2.73 min Scan# 259

Delta R.T. 0.01 min

Lab File: VX005713.D

Acq: 31 Oct 2018 18:35

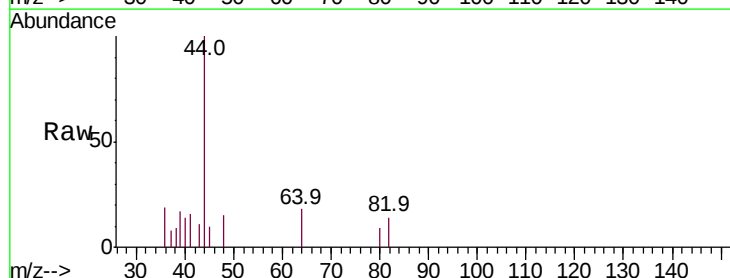
Tgt Ion: 41 Resp: 488

Ion Ratio Lower Upper

41 100

39 15.2 48.2 72.4#

76 0.0 21.9 32.9#



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

200

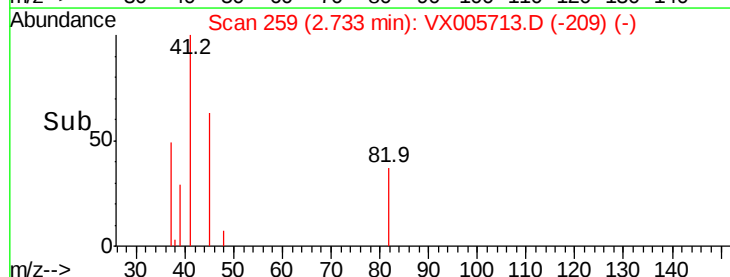
150

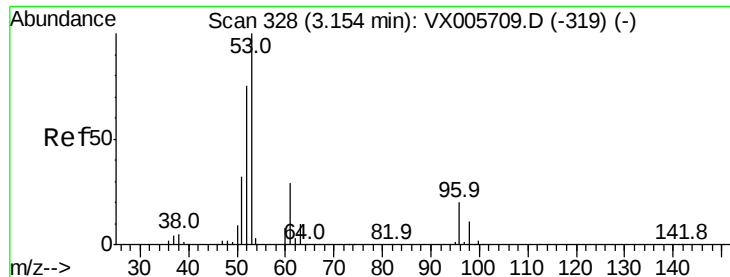
100

50

0

Time-->





#15

Acrylonitrile

Concen: 0.647 ug/l

RT: 3.15 min Scan# 328

Delta R.T. -0.00 min

Lab File: VX005713.D

Acq: 31 Oct 2018 18:35

Instrument :
MSVOA_X
ClientSampleId :

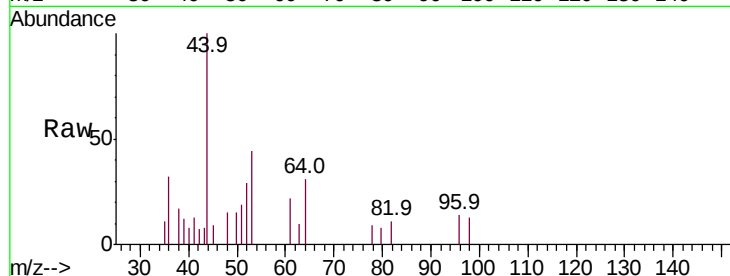
Tot Ion: 53 Resp: 609

Ion Ratio Lower Upper

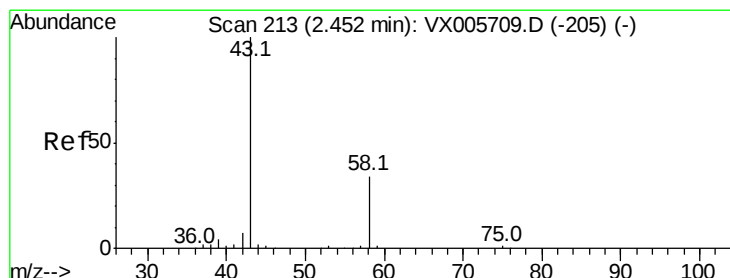
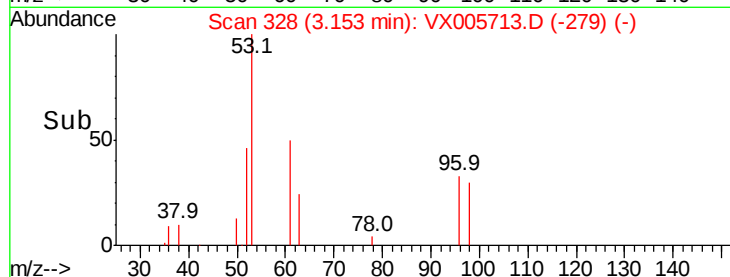
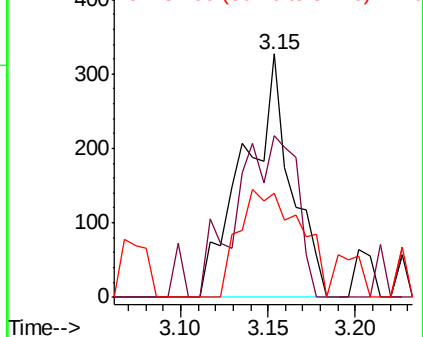
53 100

52 86.4 66.6 99.8

51 58.0 28.4 42.6#



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: Below Cal

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX005713.D

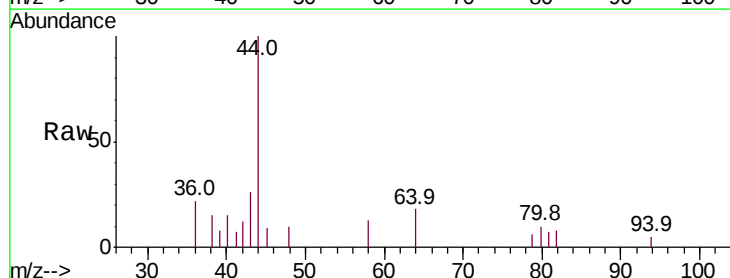
Acq: 31 Oct 2018 18:35

Tgt Ion: 43 Resp: 343

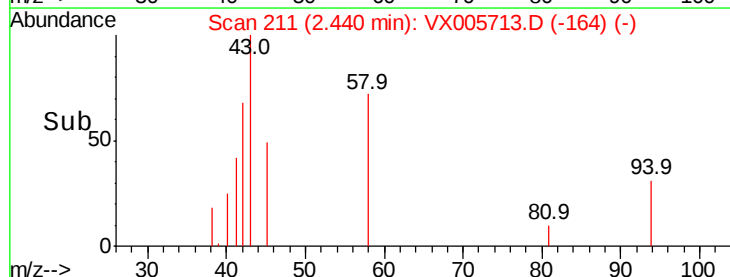
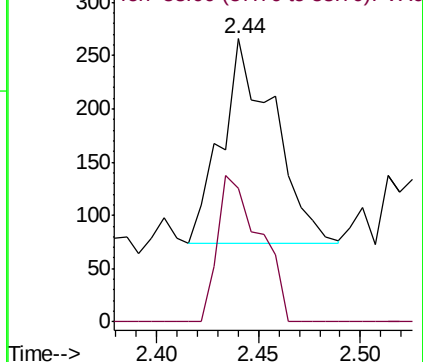
Ion Ratio Lower Upper

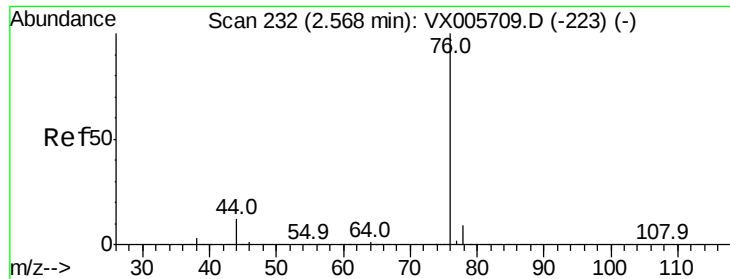
43 100

58 65.6 23.8 35.6#



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

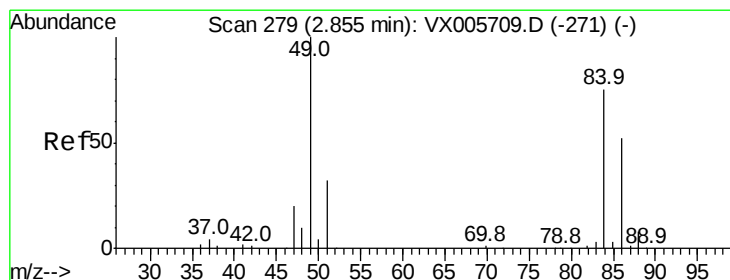
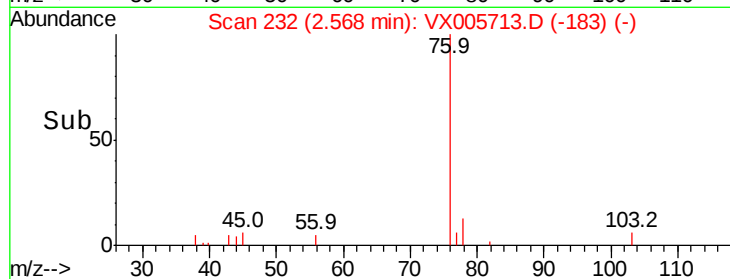
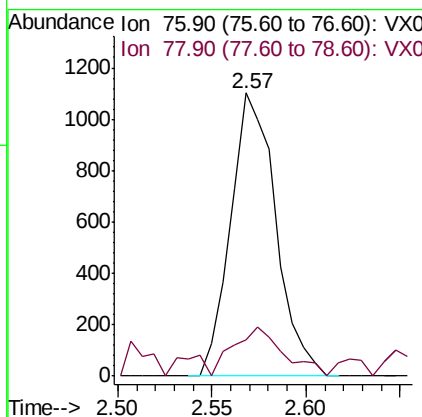
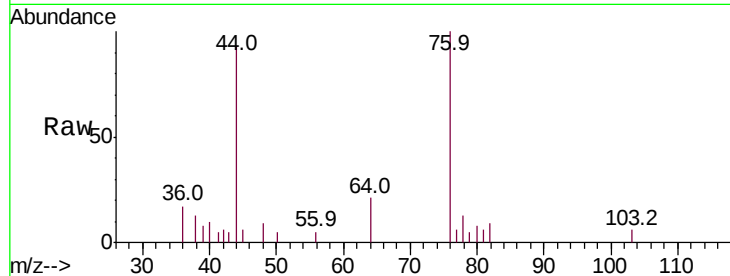




#17
Carbon Disulfide
Concen: 0.512 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX005713.D
Acq: 31 Oct 2018 18:35

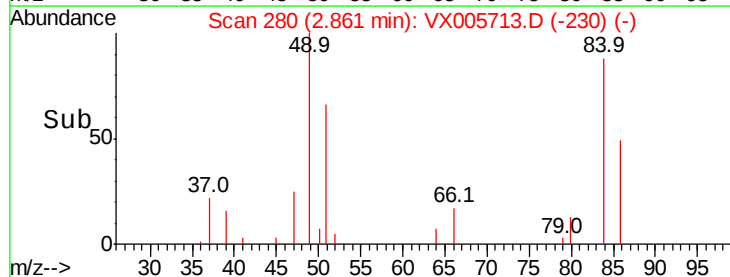
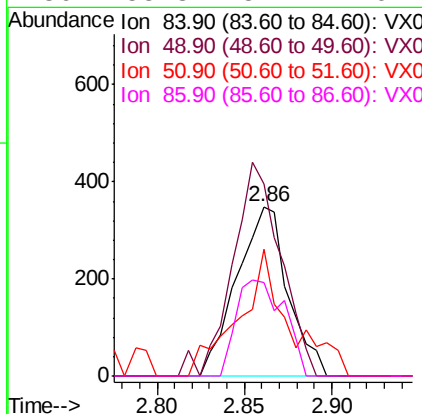
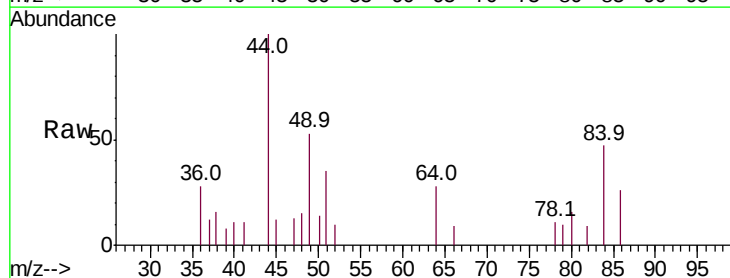
Instrument :
MSVOA_X
ClientSampleId :

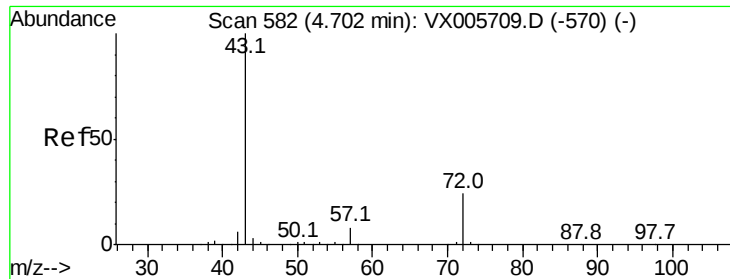
Tot Ion: 76 Resp: 1827
Ion Ratio Lower Upper
76 100
78 8.0 7.3 10.9



#20
Methylene Chloride
Concen: 0.524 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX005713.D
Acq: 31 Oct 2018 18:35

Tgt Ion: 84 Resp: 712
Ion Ratio Lower Upper
84 100
49 113.5 109.5 164.3
51 74.5 33.3 49.9#
86 55.3 52.7 79.1





#25

2-Butanone

Concen: 0.223 ug/l

RT: 4.71 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX005713.D

Acq: 31 Oct 2018 18:35

Instrument :

MSVOA_X

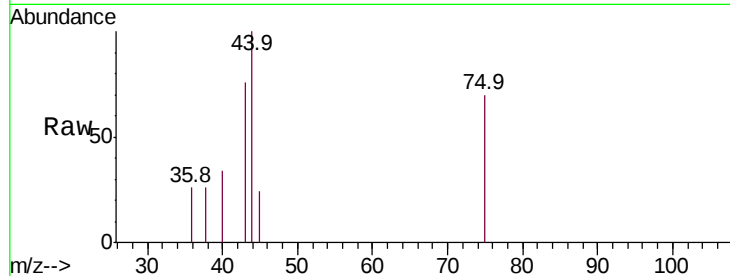
ClientSampleId :

Tot Ion: 43 Resp: 296

Ion Ratio Lower Upper

43 100

72 0.0 19.2 28.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

200

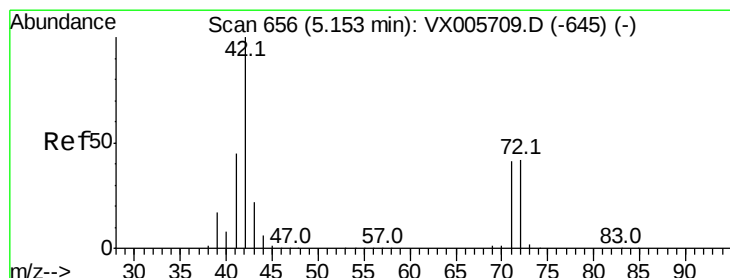
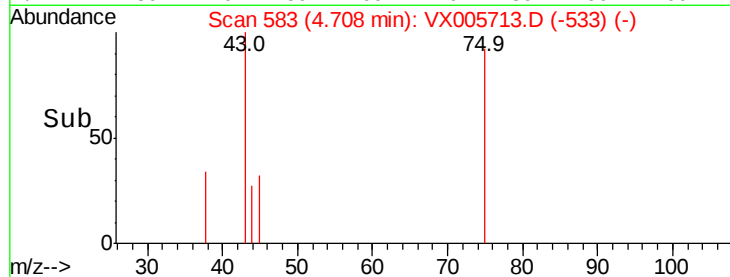
150

100

50

0

Time-->



#29

Tetrahydrofuran

Concen: 0.347 ug/l

RT: 5.15 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX005713.D

Acq: 31 Oct 2018 18:35

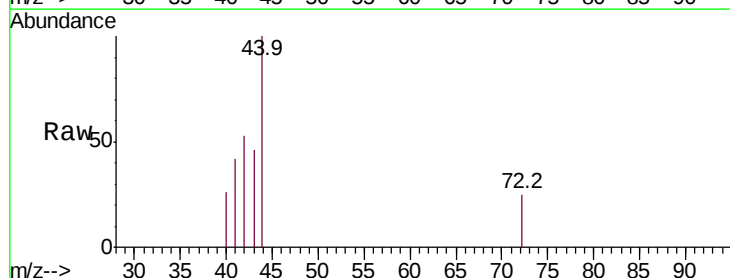
Tgt Ion: 42 Resp: 282

Ion Ratio Lower Upper

42 100

72 15.2 32.0 48.0#

71 0.0 29.8 44.8#



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

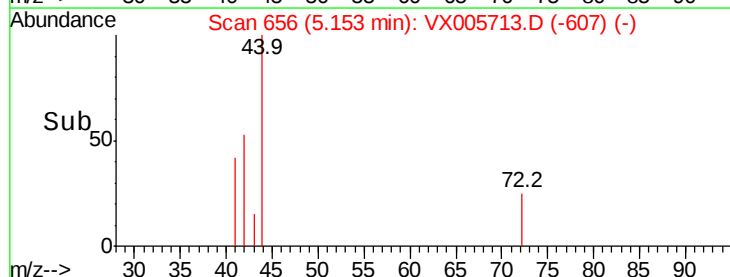
150

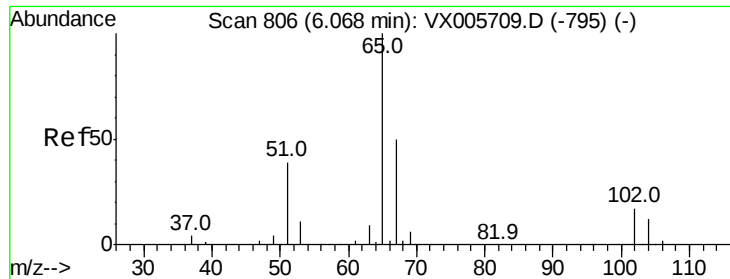
100

50

0

Time-->





#33

1,2-Dichloroethane-d4

Concen: 52.096 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX005713.D

Acq: 31 Oct 2018 18:35

Instrument :

MSVOA_X

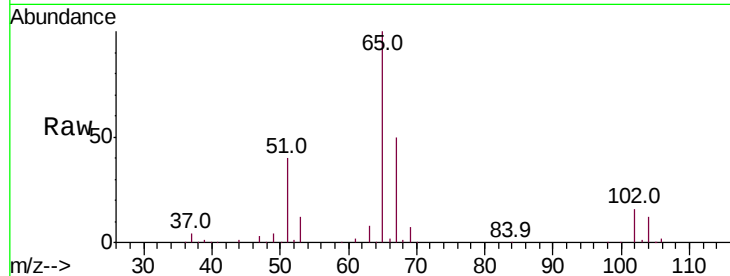
ClientSampleId :

Tot Ion: 65 Resp: 82143

Ion Ratio Lower Upper

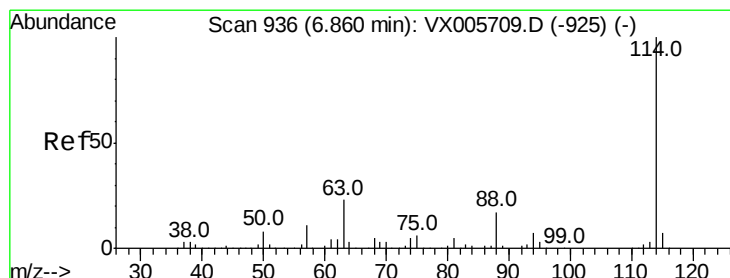
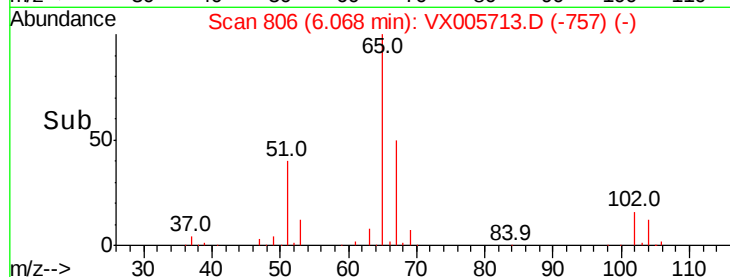
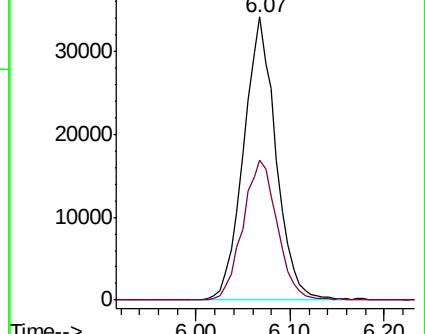
65 100

67 52.9 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX005713.D

Acq: 31 Oct 2018 18:35

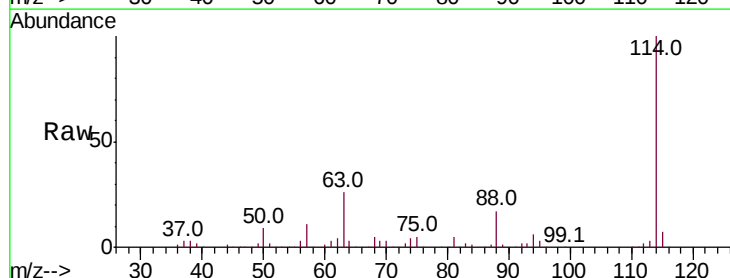
Tgt Ion:114 Resp: 177166

Ion Ratio Lower Upper

114 100

63 25.6 0.0 42.8

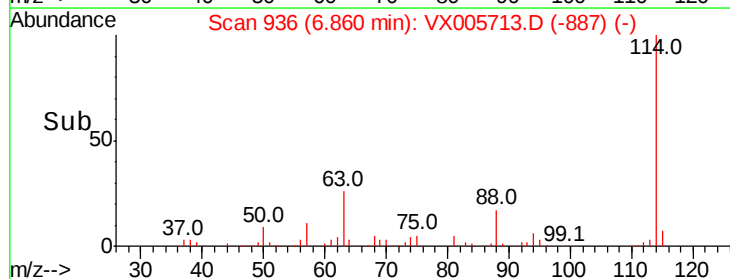
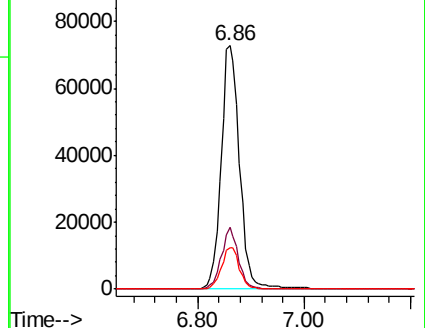
88 16.8 0.0 31.2

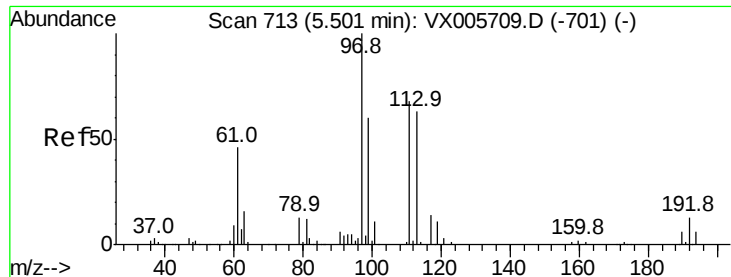


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 50.502 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX005713.D

Acq: 31 Oct 2018 18:35

Instrument :
MSVOA_X
ClientSampleId :

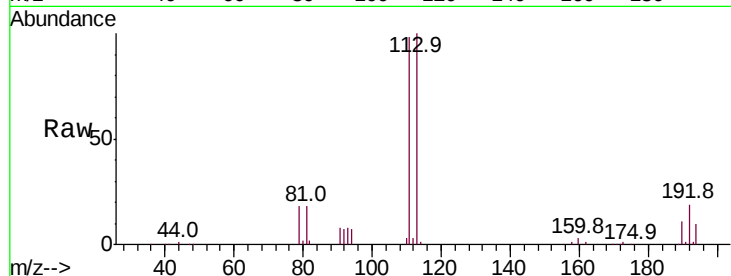
Tot Ion:113 Resp: 61952

Ion Ratio Lower Upper

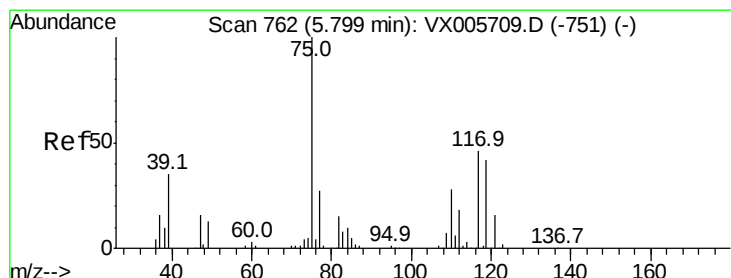
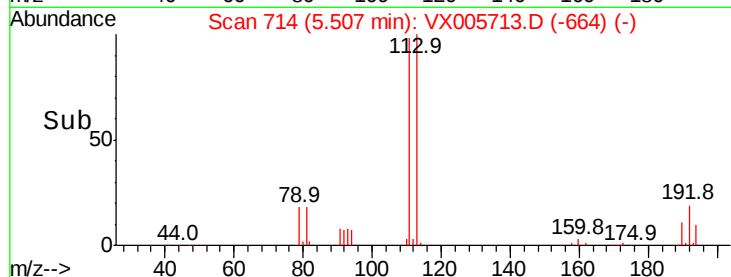
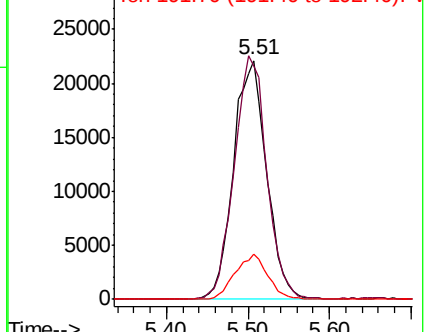
113 100

111 100.6 82.3 123.5

192 18.6 17.9 26.9



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 5.002 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX005713.D

Acq: 31 Oct 2018 18:35

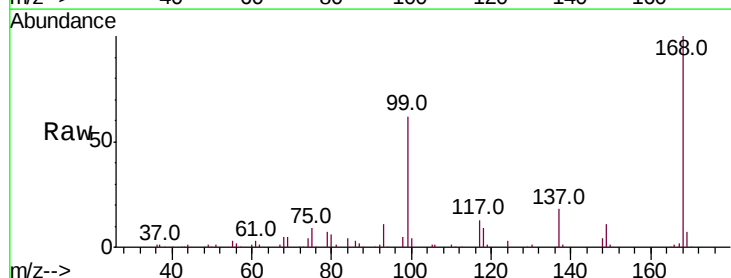
Tgt Ion: 75 Resp: 9441

Ion Ratio Lower Upper

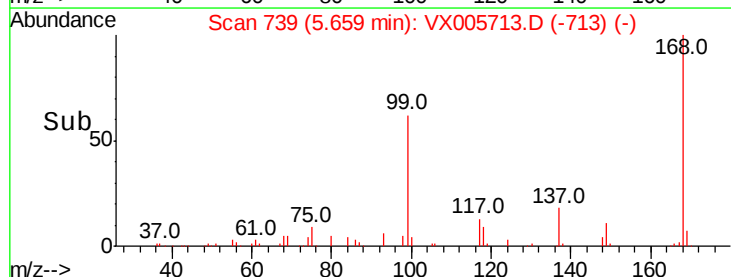
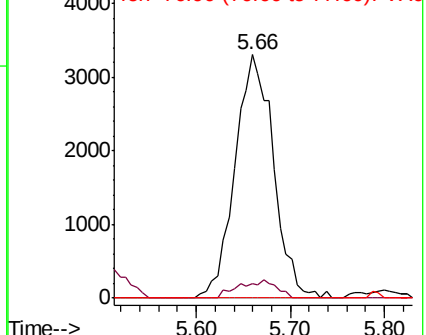
75 100

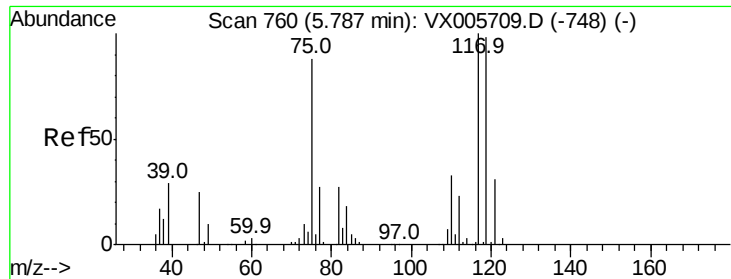
110 7.4 17.4 52.2#

77 0.0 25.8 38.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VX0

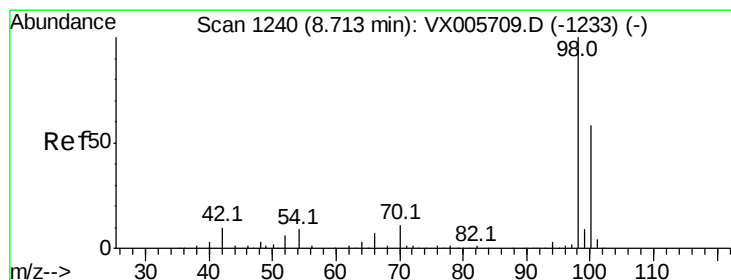
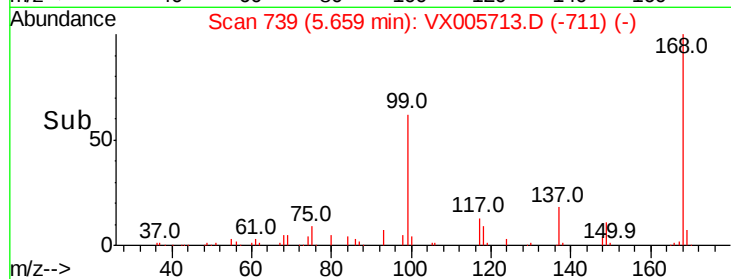
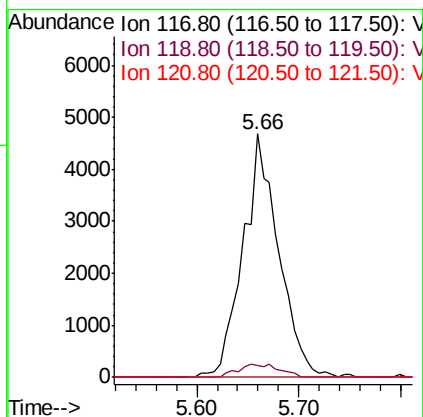
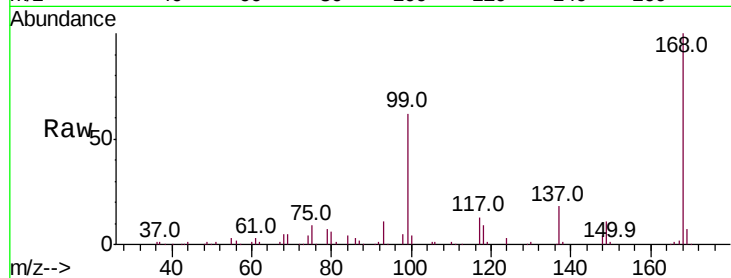




#38
Carbon Tetrachloride
Concen: 6.678 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.13 min
Lab File: VX005713.D
Acq: 31 Oct 2018 18:35

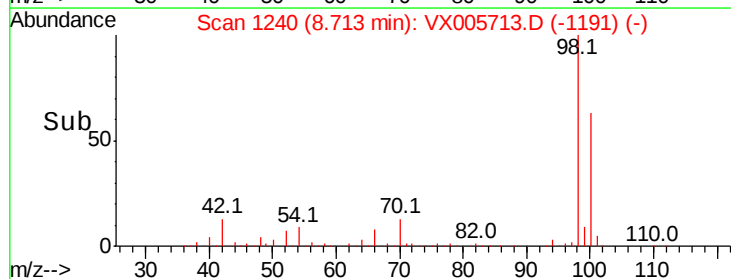
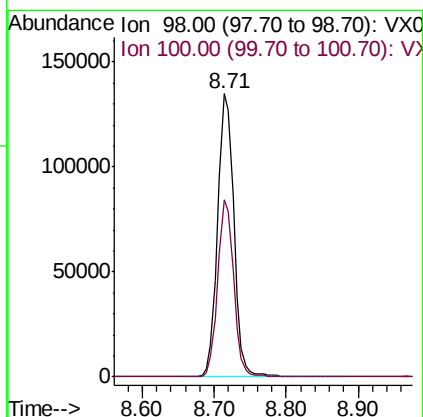
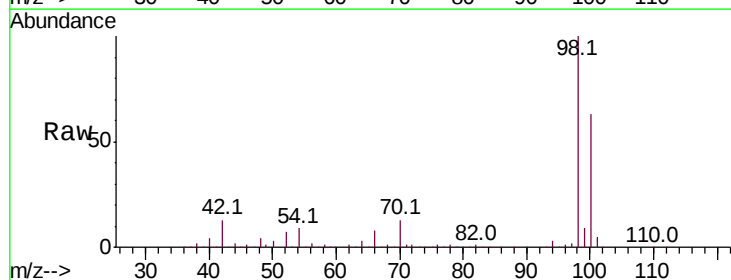
Instrument :
MSVOA_X
ClientSampleId :

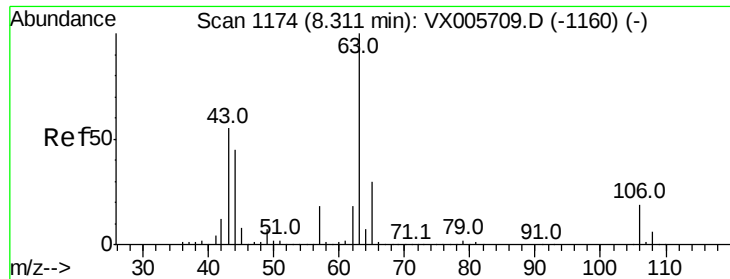
Tot Ion:117 Resp: 11389
Ion Ratio Lower Upper
117 100
119 4.9 78.1 117.1#
121 0.0 24.6 36.8#



#50
Toluene-d8
Concen: 49.048 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX005713.D
Acq: 31 Oct 2018 18:35

Tgt Ion: 98 Resp: 211028
Ion Ratio Lower Upper
98 100
100 61.7 51.3 76.9

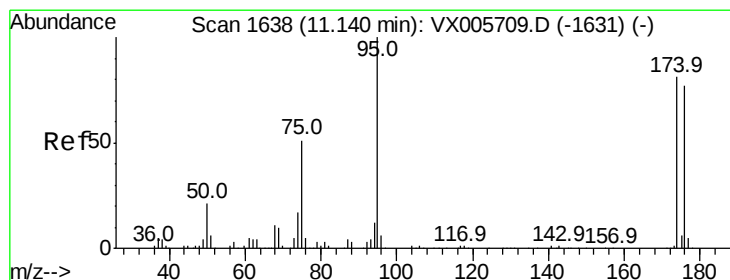
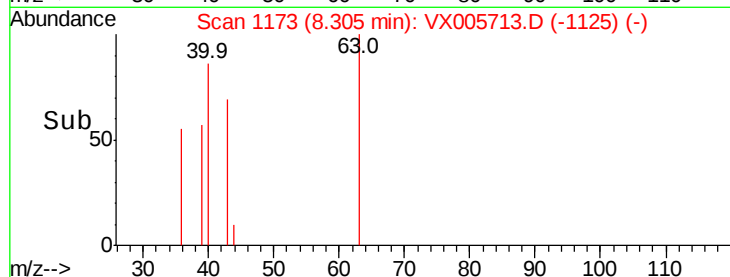
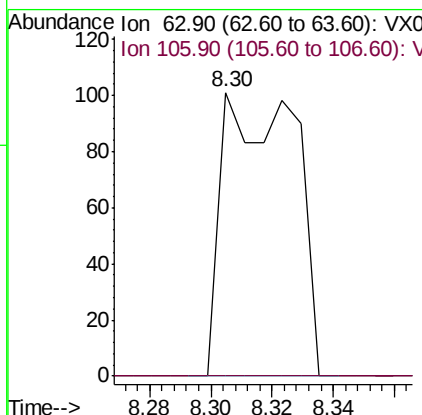
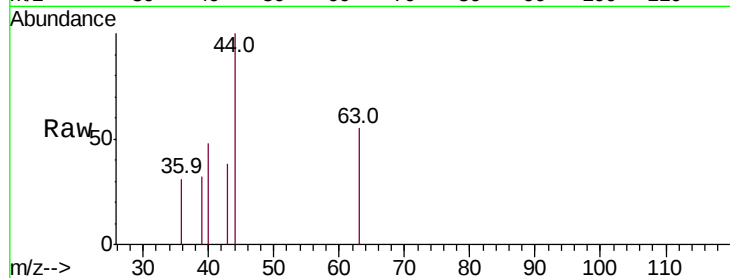




#58
 2-Chloroethyl Vinyl ether
 Concen: 10.463 ug/l
 RT: 8.30 min Scan# 1173
 Delta R.T. -0.01 min
 Lab File: VX005713.D
 Acq: 31 Oct 2018 18:35

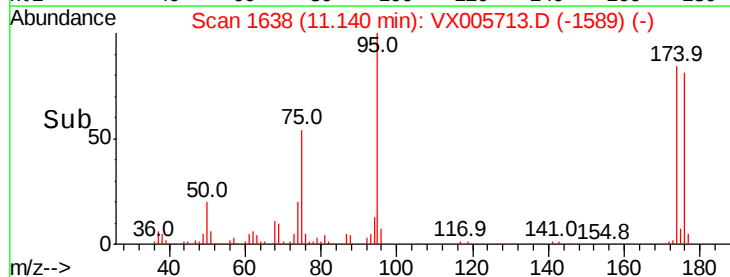
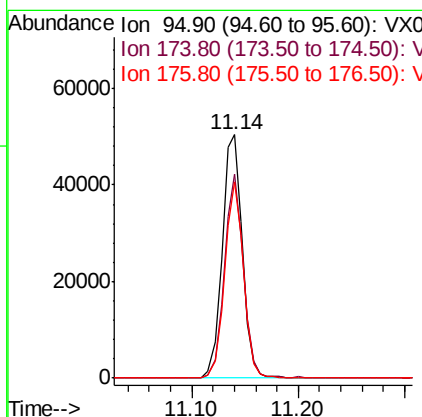
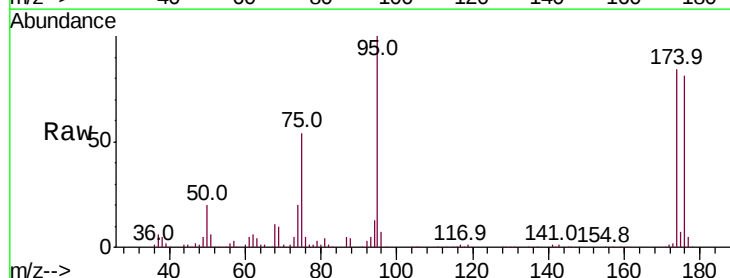
Instrument :
 MSVOA_X
 ClientSampleId :

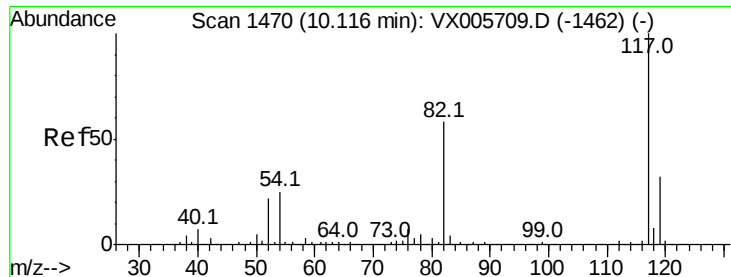
Tot Ion: 63 Resp: 166
 Ion Ratio Lower Upper
 63 100
 106 0.0 21.3 31.9#



#62
 4-Bromofluorobenzene
 Concen: 41.769 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.00 min
 Lab File: VX005713.D
 Acq: 31 Oct 2018 18:35

Tgt Ion: 95 Resp: 66326
 Ion Ratio Lower Upper
 95 100
 174 79.0 0.0 184.4
 176 76.1 0.0 177.4

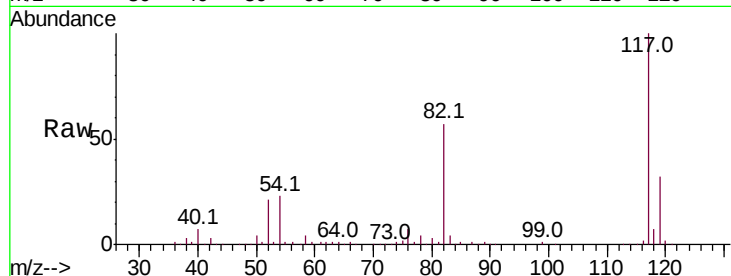




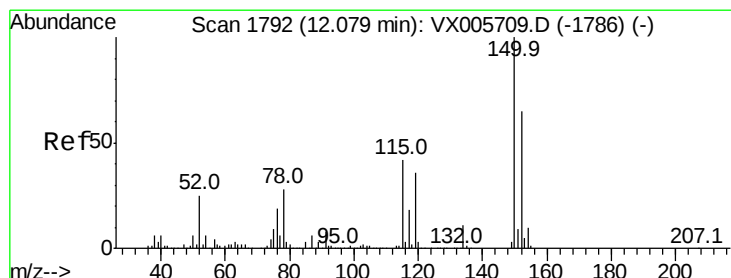
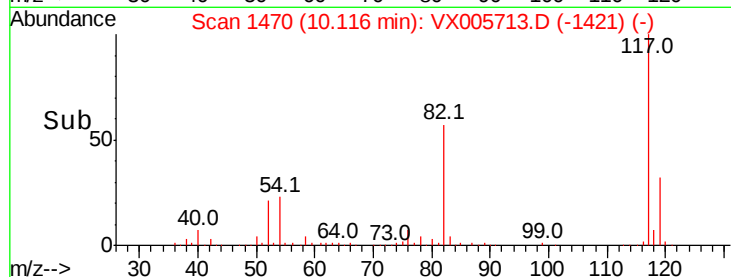
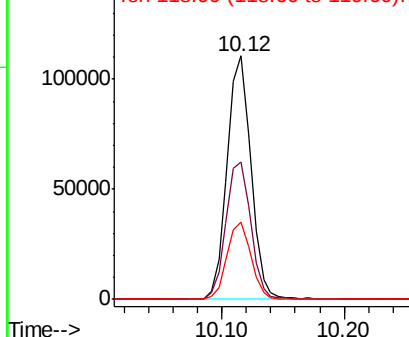
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005713.D
Acq: 31 Oct 2018 18:35

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:117 Resp: 149414
Ion Ratio Lower Upper
117 100
82 56.7 44.1 66.1
119 31.8 26.2 39.2

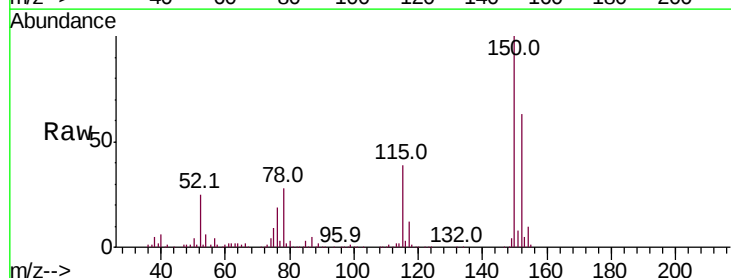


Abundance Ion 116.90 (116.60 to 117.60): V
150000 Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

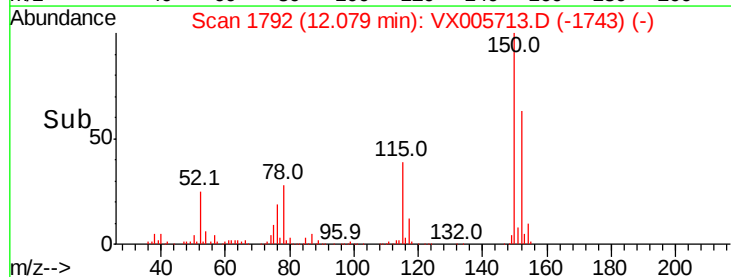
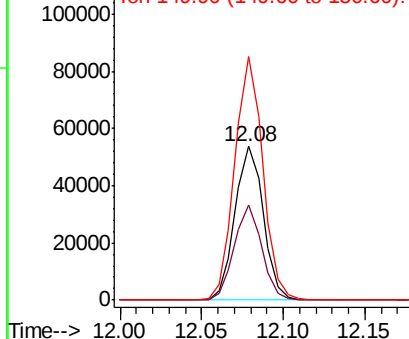


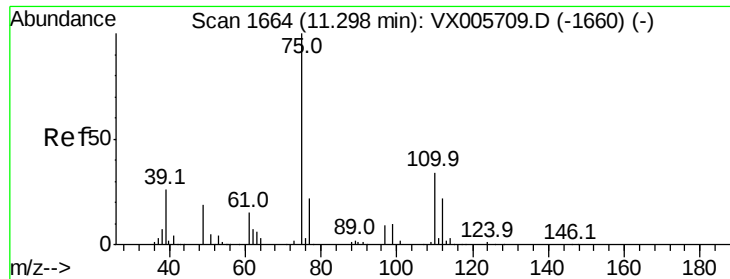
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005713.D
Acq: 31 Oct 2018 18:35

Tgt Ion:152 Resp: 65368
Ion Ratio Lower Upper
152 100
115 60.1 39.4 118.1
150 156.1 0.0 346.4



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

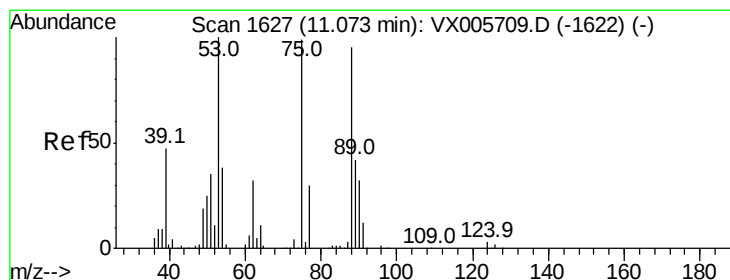
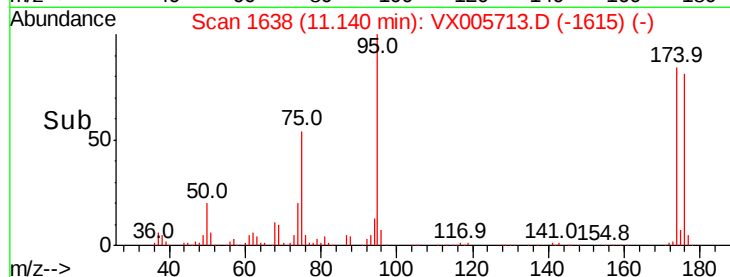
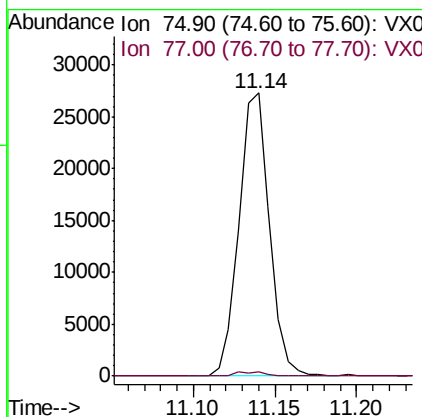
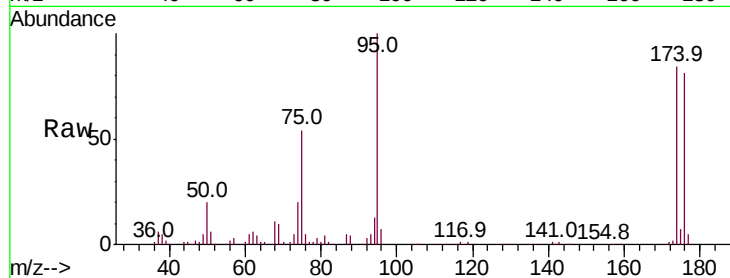




#76
 1,2,3-Trichloropropane
 Concen: 21.861 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.16 min
 Lab File: VX005713.D
 Acq: 31 Oct 2018 18:35

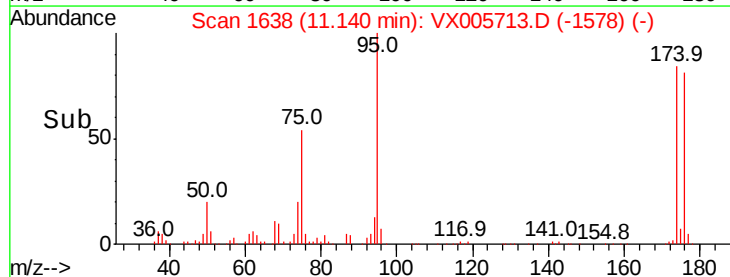
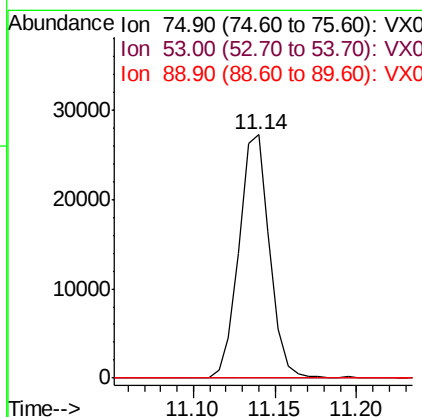
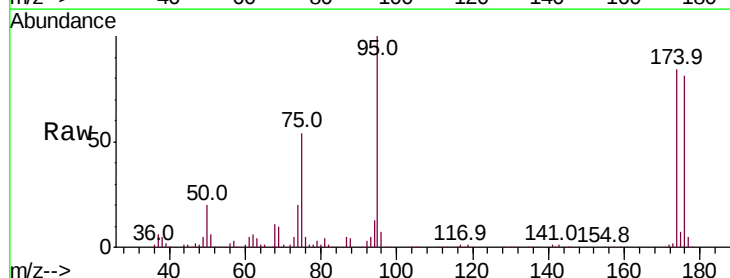
Instrument :
 MSVOA_X
 ClientSampleId :

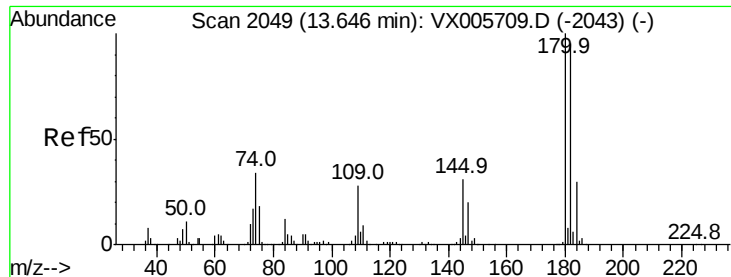
Tot Ion: 75 Resp: 35592
 Ion Ratio Lower Upper
 75 100
 77 1.6 20.5 61.6#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.633 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.07 min
 Lab File: VX005713.D
 Acq: 31 Oct 2018 18:35

Tgt Ion: 75 Resp: 35592
 Ion Ratio Lower Upper
 75 100
 53 0.3 80.2 120.2#
 89 0.0 39.8 59.8#

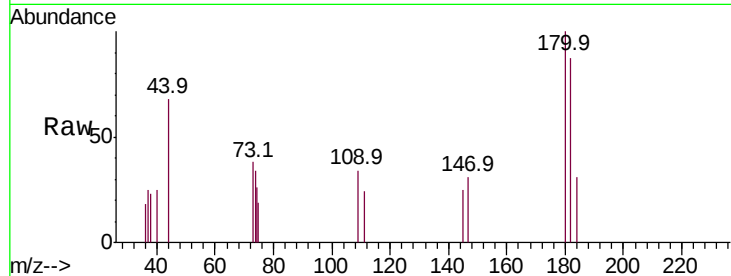




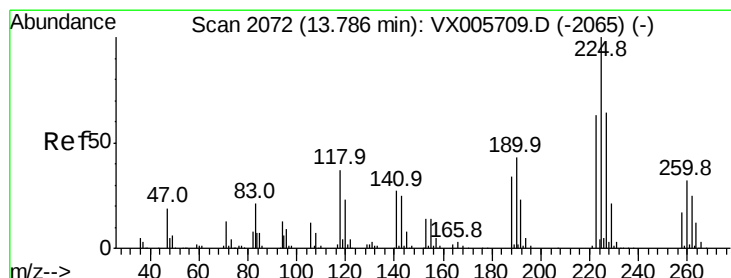
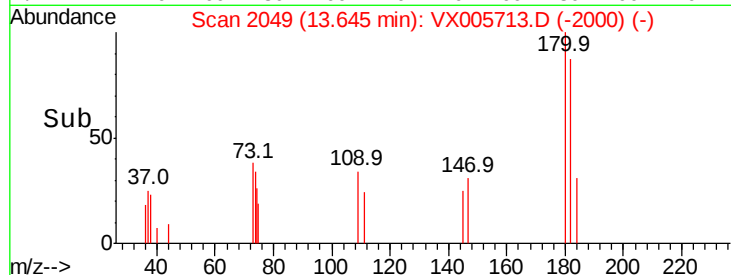
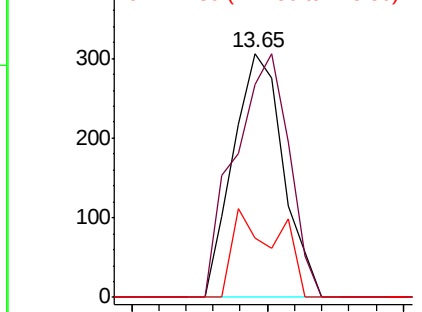
#93
 1,2,4-Trichlorobenzene
 Concen: 0.283 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX005713.D
 Acq: 31 Oct 2018 18:35

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:180 Resp: 392
 Ion Ratio Lower Upper
 180 100
 182 107.7 47.6 142.8
 145 32.4 14.1 42.2

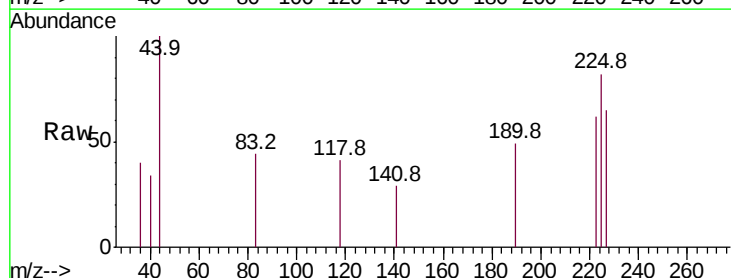


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

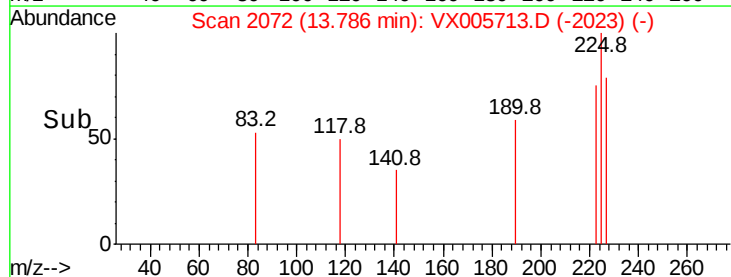
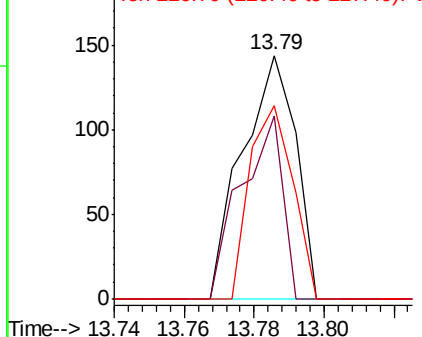


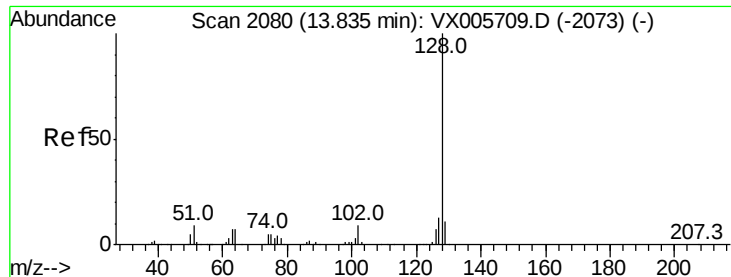
#94
 Hexachlorobutadiene
 Concen: 0.227 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX005713.D
 Acq: 31 Oct 2018 18:35

Tgt Ion:225 Resp: 152
 Ion Ratio Lower Upper
 225 100
 223 58.6 31.7 95.1
 227 64.5 32.3 96.9



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 0.224 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX005713.D

Acq: 31 Oct 2018 18:35

Instrument :

MSVOA_X

ClientSampleId :

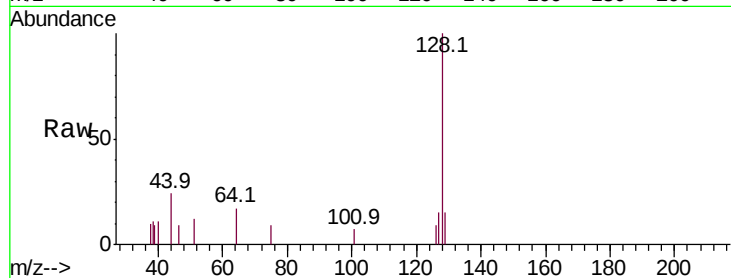
Tot Ion:128 Resp: 1019

Ion Ratio Lower Upper

128 100

127 16.8 10.4 15.6#

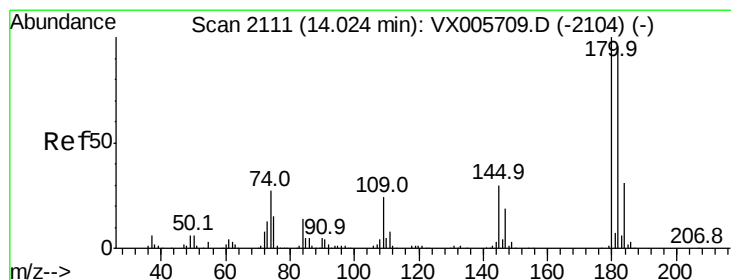
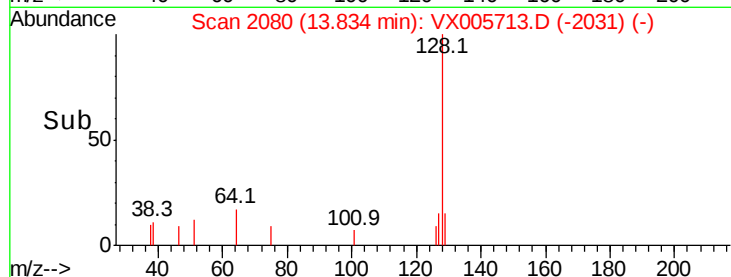
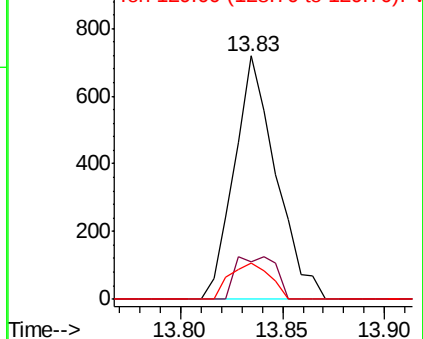
129 14.3 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 0.291 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.01 min

Lab File: VX005713.D

Acq: 31 Oct 2018 18:35

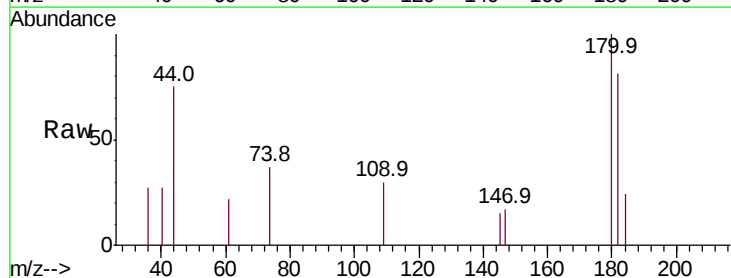
Tgt Ion:180 Resp: 410

Ion Ratio Lower Upper

180 100

182 84.9 48.0 144.2

145 12.2 15.1 45.3#



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

