

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX012720\
 Data File : VX014733.D
 Acq On : 27 Jan 2020 17:50
 Operator : JC/SP
 Sample : PB126348ZHE#08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 28 03:18:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X012220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 22 12:35:15 2020
 Response via : Initial Calibration

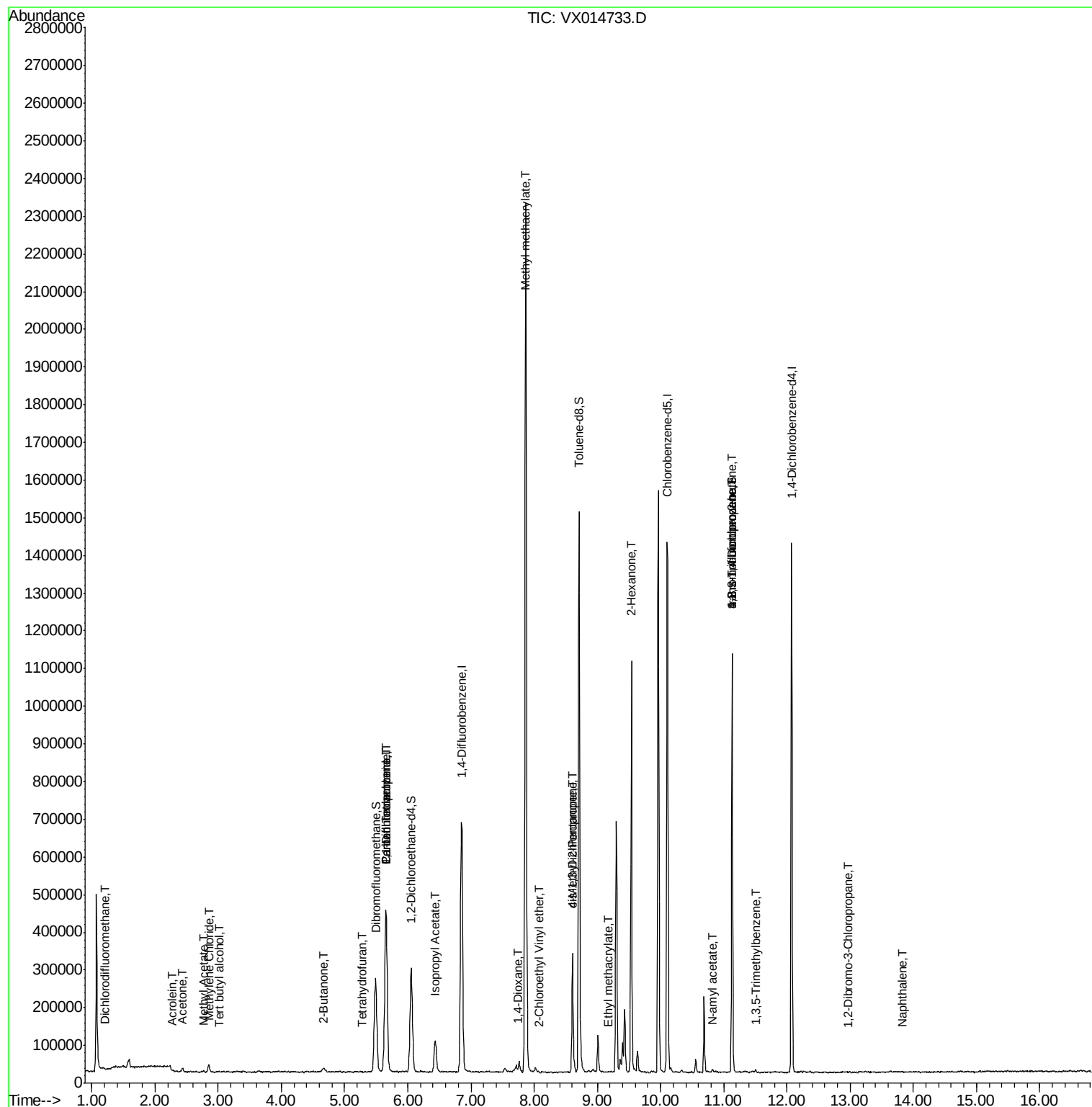
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	442260	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	699628	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	658090	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	297580	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	261088	50.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.10%	
35) Dibromofluoromethane	5.49	113	212329	48.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.20%	
50) Toluene-d8	8.71	98	855140	50.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.78%	
62) 4-Bromofluorobenzene	11.13	95	290773	48.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.20%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.20	85	217	0.567	ug/l #	48
6) Chloroethane	1.72	64	264	Below Cal	#	77
11) Tert butyl alcohol	3.03	59	1157	0.998	ug/l #	10
13) Acrolein	2.28	56	1218	1.332	ug/l #	65
16) Acetone	2.43	43	12247	4.474	ug/l	97
18) Methyl Acetate	2.77	43	5447	0.674	ug/l #	66
20) Methylene Chloride	2.86	84	9590	1.831	ug/l	95
25) 2-Butanone	4.66	43	902	0.222	ug/l #	1
29) Tetrahydrofuran	5.29	42	578	0.240	ug/l	91
36) 1,1-Dichloropropene	5.65	75	30427	4.680	ug/l #	52
38) Carbon Tetrachloride	5.65	117	40756	6.564	ug/l #	16
41) Methacrylonitrile	5.03	41	173	Below Cal	#	1
43) Isopropyl Acetate	6.43	43	117525	9.639	ug/l	100
48) Methyl methacrylate	7.87	41	197623	33.923	ug/l #	45
49) 1,4-Dioxane	7.74	88	445	3.604	ug/l #	23
51) 4-Methyl-2-Pentanone	8.61	43	109951	14.288	ug/l #	50
54) cis-1,3-Dichloropropene	8.61	75	50509	6.487	ug/l #	64
56) Ethyl methacrylate	9.17	69	472	1.838	ug/l #	23
58) 2-Chloroethyl Vinyl ether	8.08	63	741	0.291	ug/l	95
59) 2-Hexanone	9.54	43	127504	21.352	ug/l #	51
74) N-amyl acetate	10.82	43	4801	0.524	ug/l #	60
76) 1,2,3-Trichloropropane	11.13	75	143726	20.759	ug/l #	40
80) 1,3,5-Trimethylbenzene	11.50	105	3866	0.223	ug/l	89
81) trans-1,4-Dichloro-2-buten	11.13	75	143726	59.077	ug/l #	10
92) 1,2-Dibromo-3-Chloropropan	12.97	75	332	0.207	ug/l #	5
95) Naphthalene	13.84	128	604	0.960	ug/l #	47

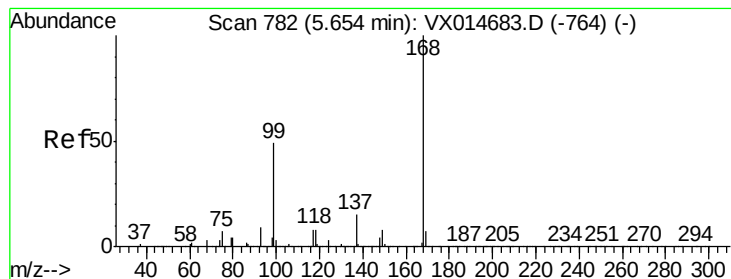
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX012720\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X012220W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 22 12:35:15 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.00 min

Lab File: VX014733.D

Acq: 27 Jan 2020 17:50

Instrument :

MSVOA_X

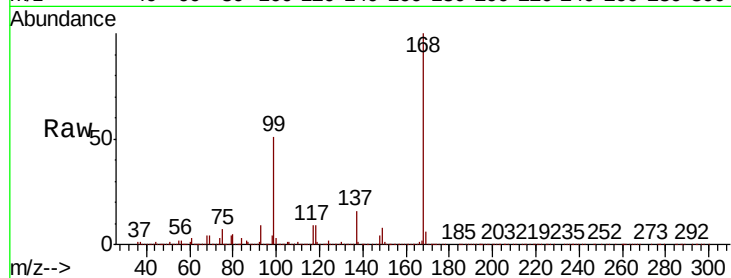
ClientSampleId :

Tot Ion:168 Resp: 442260

Ion Ratio Lower Upper

168 100

99 50.5 39.8 59.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

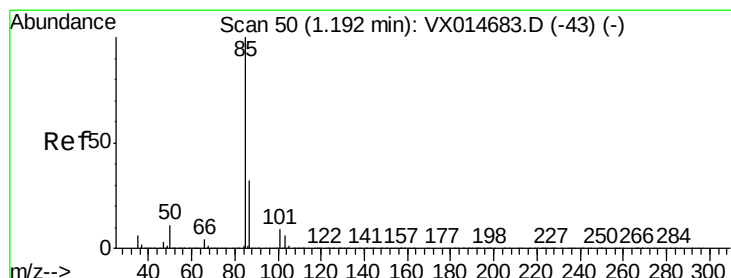
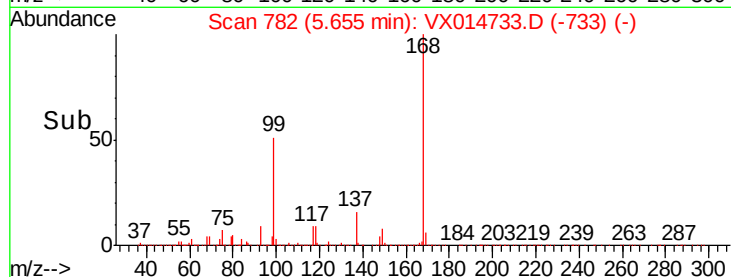
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.567 ug/l

RT: 1.20 min Scan# 51

Delta R.T. 0.01 min

Lab File: VX014733.D

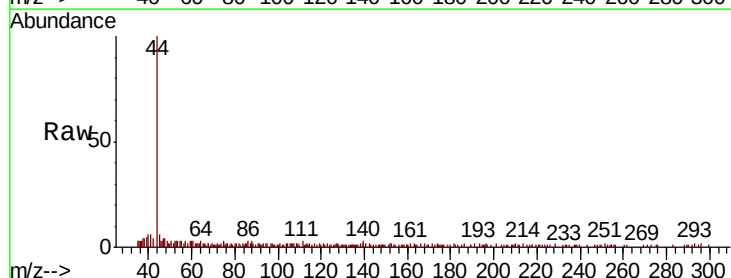
Acq: 27 Jan 2020 17:50

Tgt Ion: 85 Resp: 217

Ion Ratio Lower Upper

85 100

87 61.5 16.2 48.5#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

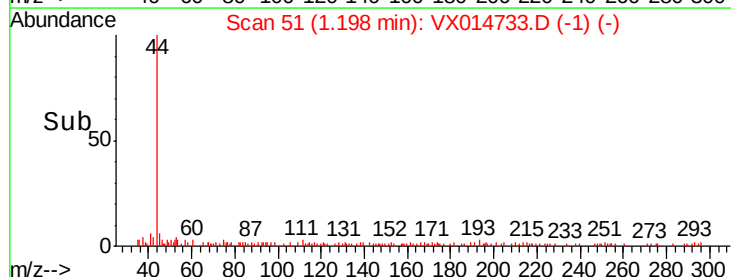
300

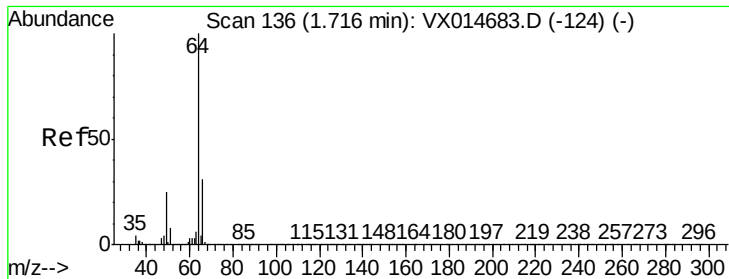
200

100

0

Time-->





#6

Chloroethane

Concen: Below Cal

RT: 1.72 min Scan# 136

Delta R.T. 0.00 min

Lab File: VX014733.D

Acq: 27 Jan 2020 17:50

Instrument :

MSVOA_X

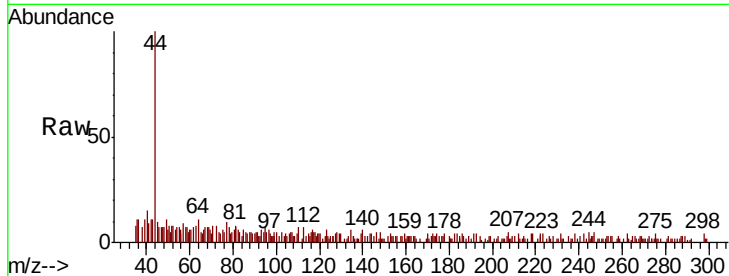
ClientSampled :

Tot Ion: 64 Resp: 264

Ion Ratio Lower Upper

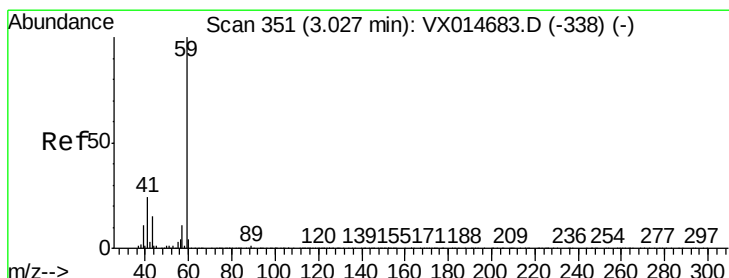
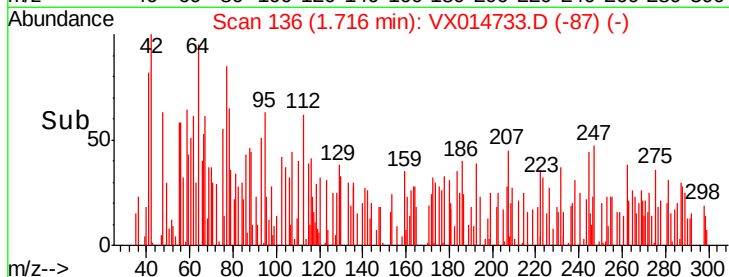
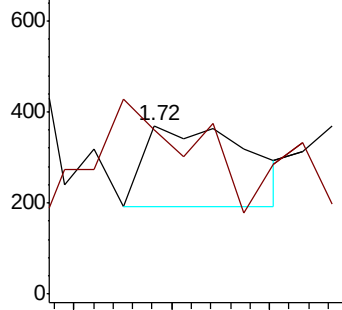
64 100

66 44.1 25.2 37.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#11

Tert butyl alcohol

Concen: 0.998 ug/l

RT: 3.03 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX014733.D

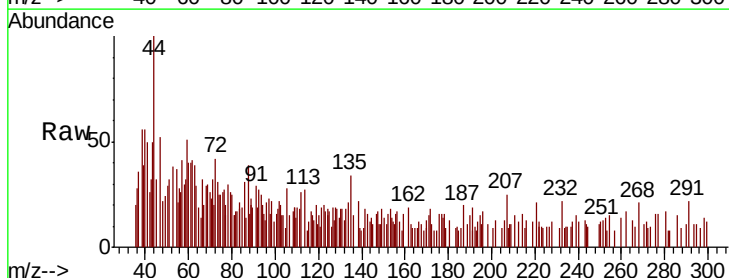
Acq: 27 Jan 2020 17:50

Tgt Ion: 59 Resp: 1157

Ion Ratio Lower Upper

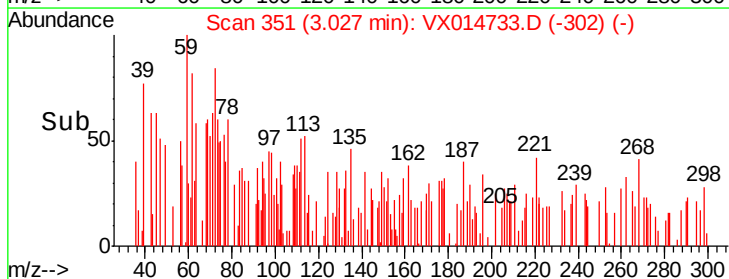
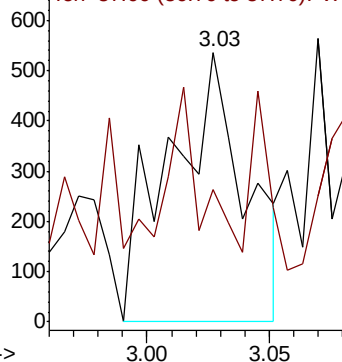
59 100

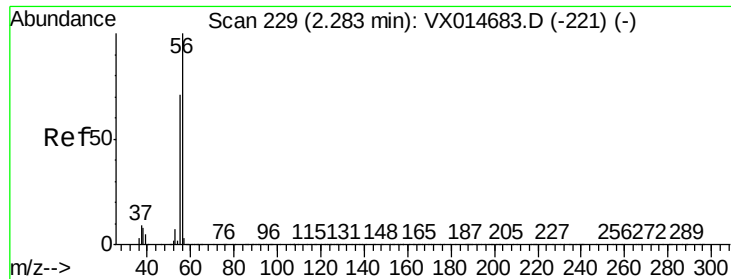
57 44.2 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

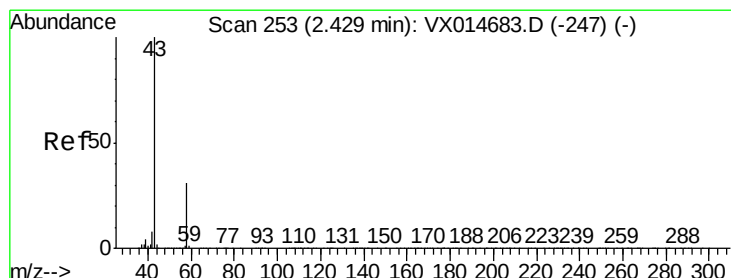
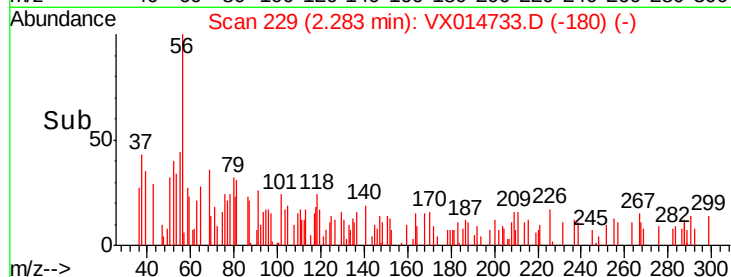
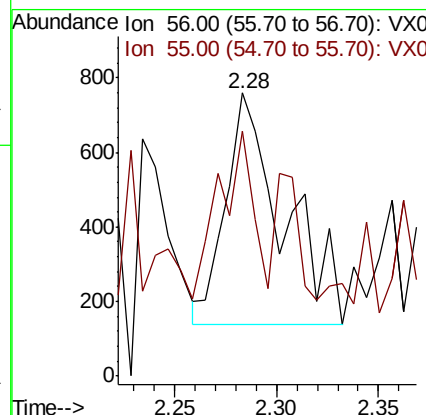
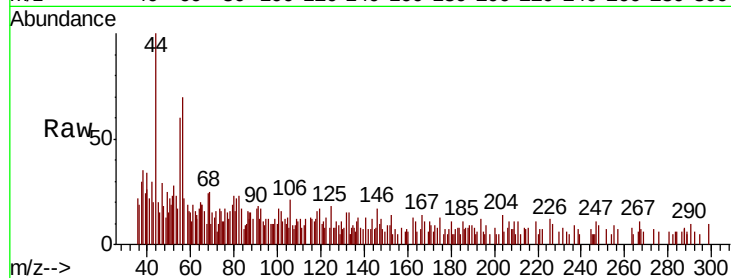




#13
Acrolein
Concen: 1.332 ug/l
RT: 2.28 min Scan# 229
Delta R.T. 0.00 min
Lab File: VX014733.D
Acq: 27 Jan 2020 17:50

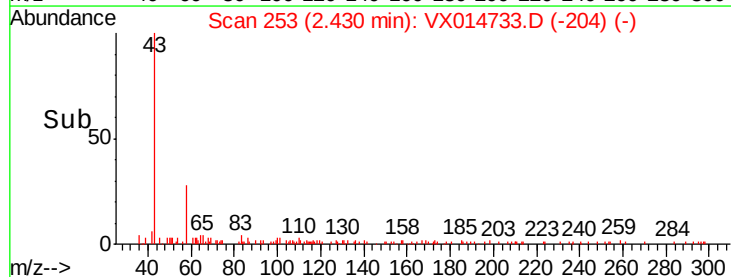
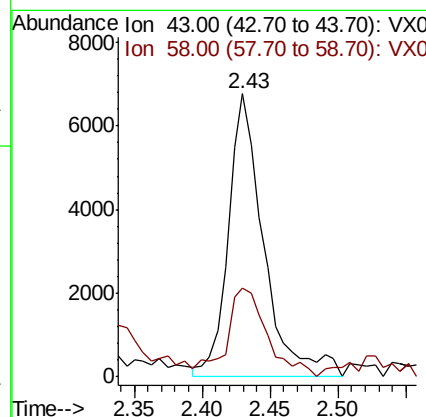
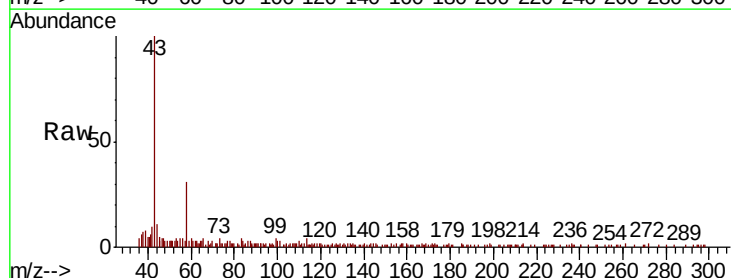
Instrument :
MSVOA_X
ClientSampled :

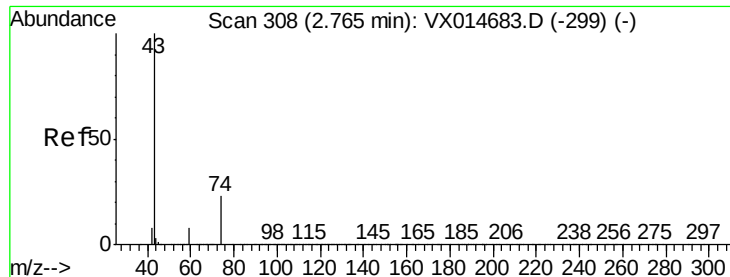
Tot Ion: 56 Resp: 1218
Ion Ratio Lower Upper
56 100
55 42.0 56.6 84.8#



#16
Acetone
Concen: 4.474 ug/l
RT: 2.43 min Scan# 253
Delta R.T. 0.00 min
Lab File: VX014733.D
Acq: 27 Jan 2020 17:50

Tgt Ion: 43 Resp: 12247
Ion Ratio Lower Upper
43 100
58 28.7 24.5 36.7

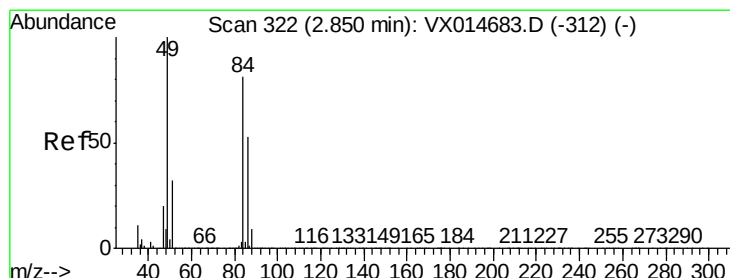
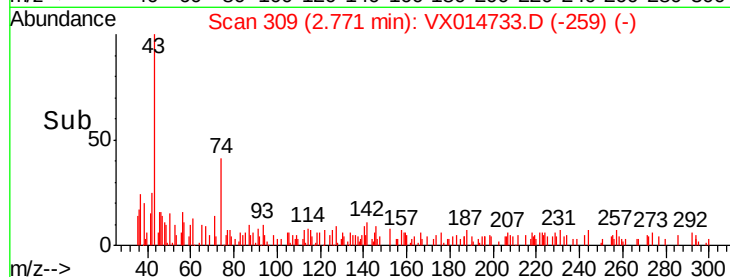
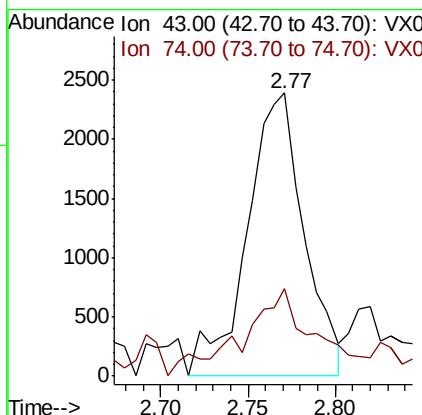
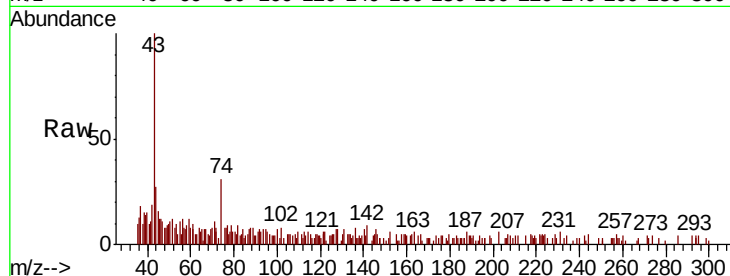




#18
Methyl Acetate
Concen: 0.674 ug/l
RT: 2.77 min Scan# 309
Delta R.T. 0.01 min
Lab File: VX014733.D
Acq: 27 Jan 2020 17:50

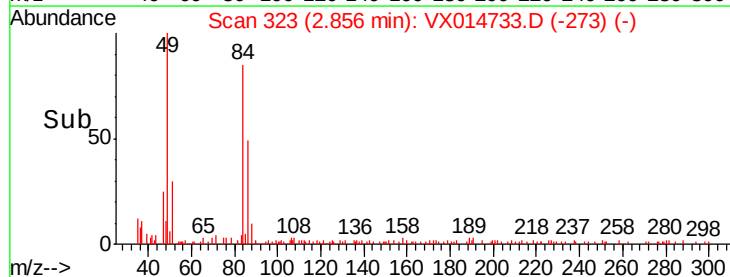
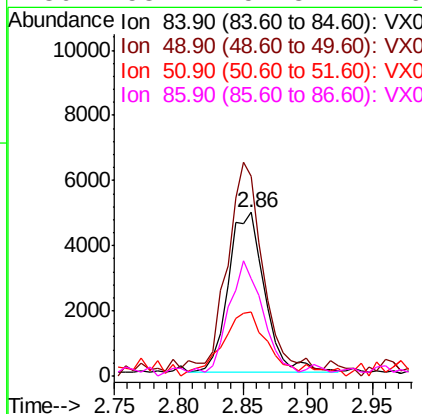
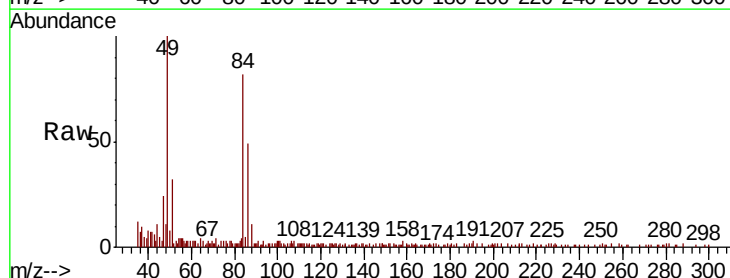
Instrument :
MSVOA_X
ClientSampled :

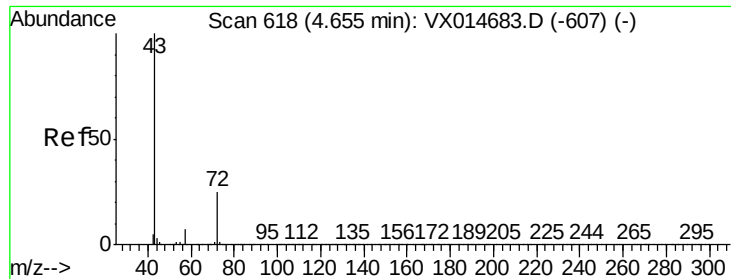
Tot Ion: 43 Resp: 5447
Ion Ratio Lower Upper
43 100
74 39.4 18.5 27.7#



#20
Methylene Chloride
Concen: 1.831 ug/l
RT: 2.86 min Scan# 323
Delta R.T. 0.01 min
Lab File: VX014733.D
Acq: 27 Jan 2020 17:50

Tgt Ion: 84 Resp: 9590
Ion Ratio Lower Upper
84 100
49 119.2 98.2 147.4
51 36.9 31.3 46.9
86 58.4 51.8 77.6





#25

2-Butanone

Concen: 0.222 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.01 min

Lab File: VX014733.D

Acq: 27 Jan 2020 17:50

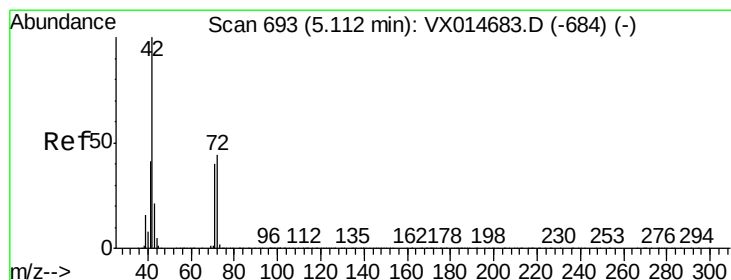
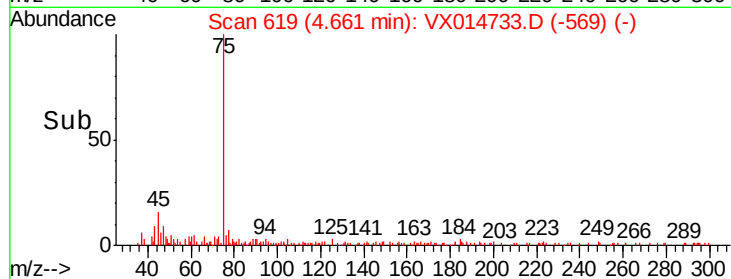
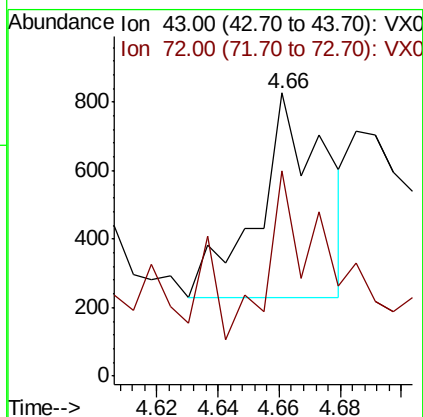
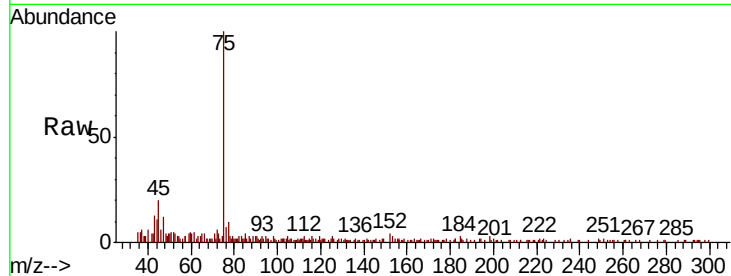
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 43 Resp: 902

Ion Ratio Lower Upper

43 100

72 74.7 19.9 29.9#



#29

Tetrahydrofuran

Concen: 0.240 ug/l

RT: 5.29 min Scan# 722

Delta R.T. 0.18 min

Lab File: VX014733.D

Acq: 27 Jan 2020 17:50

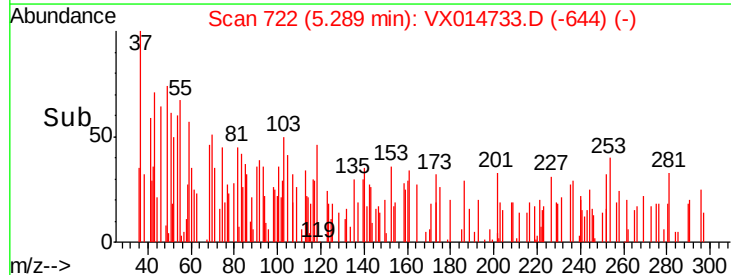
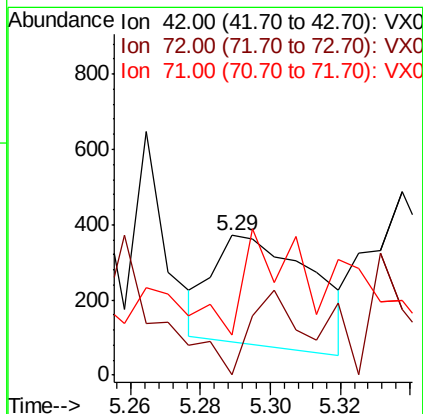
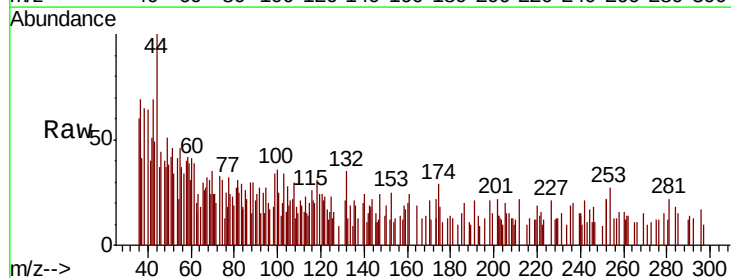
Tgt Ion: 42 Resp: 578

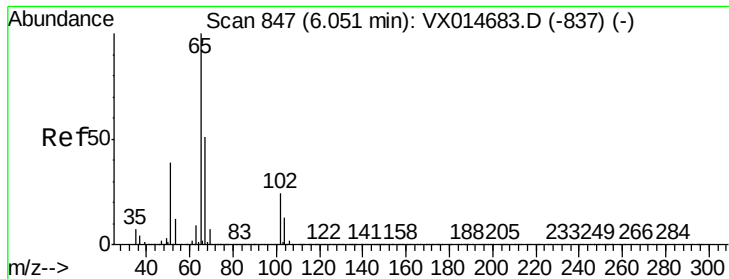
Ion Ratio Lower Upper

42 100

72 37.9 35.3 52.9

71 46.7 33.1 49.7

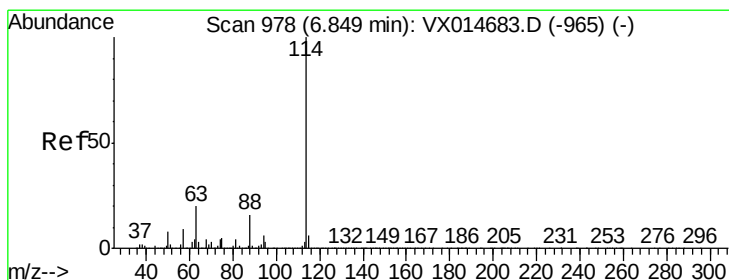
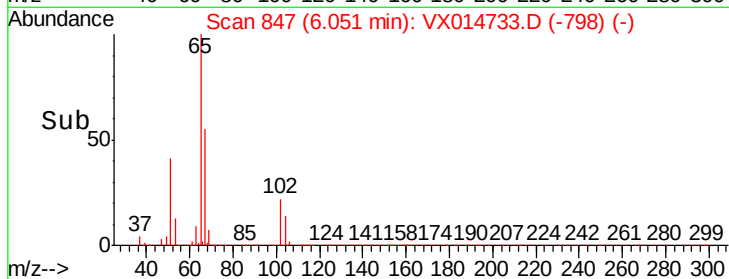
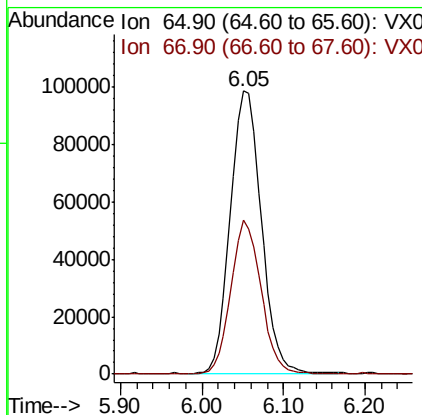
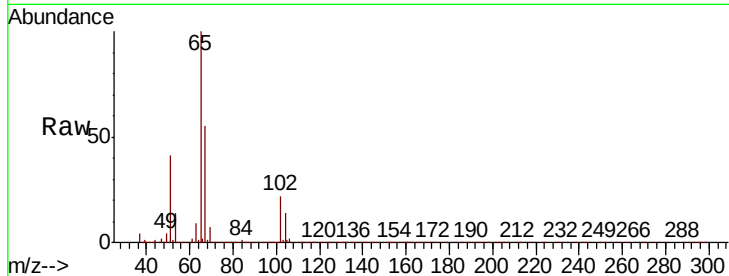




#33
 1,2-Dichloroethane-d4
 Concen: 50.554 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX014733.D
 Acq: 27 Jan 2020 17:50

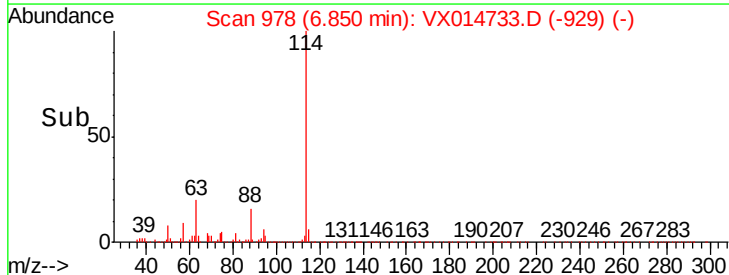
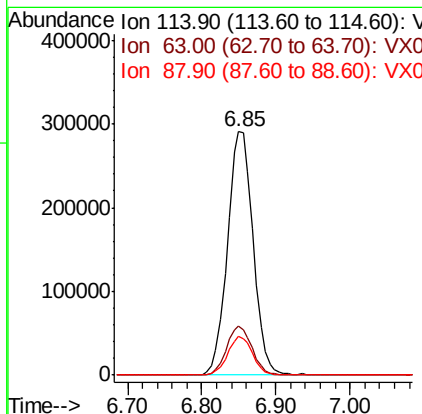
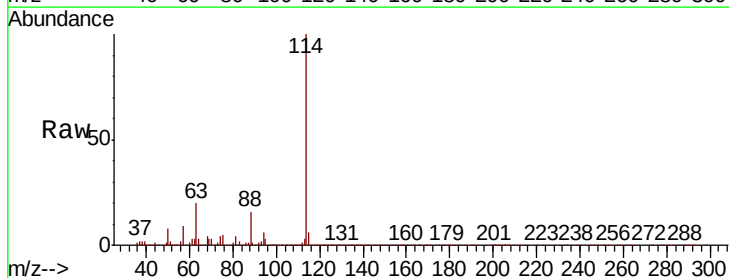
Instrument :
 MSVOA_X
 ClientSampled :

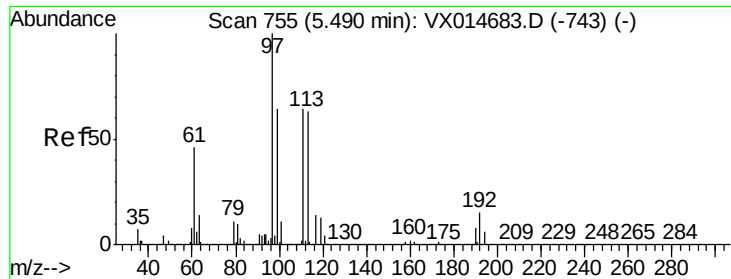
Tot Ion: 65 Resp: 261088
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX014733.D
 Acq: 27 Jan 2020 17:50

Tgt Ion: 114 Resp: 699628
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 40.6
 88 15.8 0.0 31.2





#35

Dibromofluoromethane

Concen: 48.097 ug/l

RT: 5.49 min Scan# 755

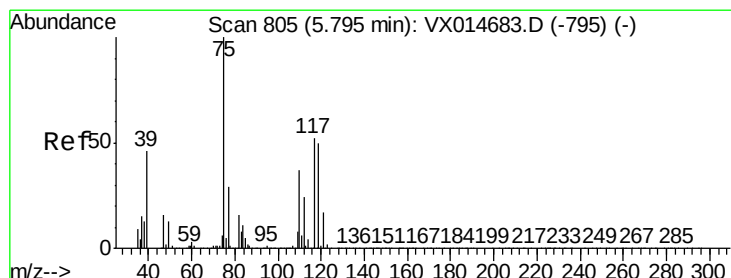
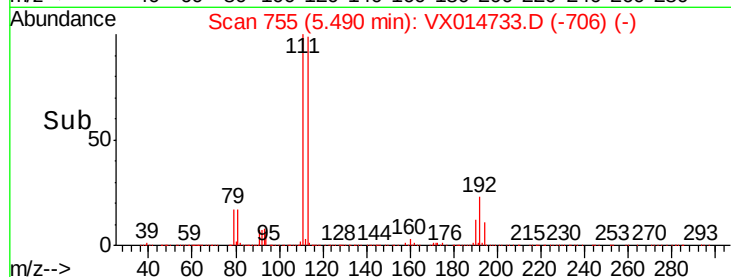
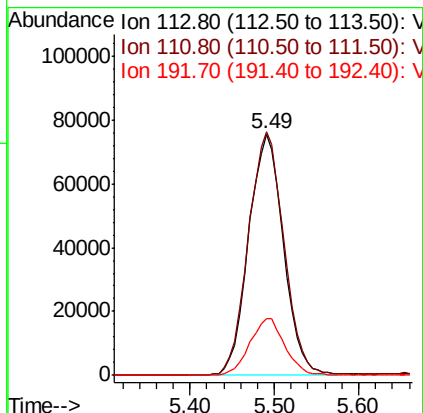
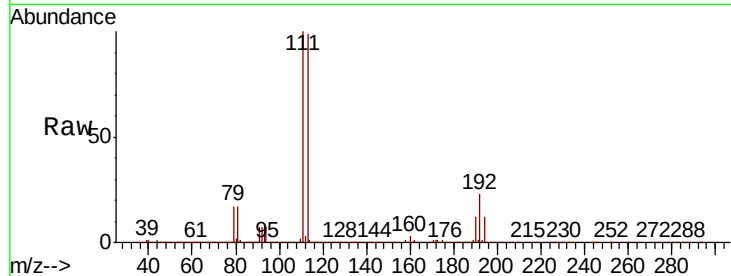
Delta R.T. 0.00 min

Lab File: VX014733.D

Acq: 27 Jan 2020 17:50

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:	113	Resp:	212329
Ion	Ratio	Lower	Upper
113	100		
111	102.8	80.7	121.1
192	23.5	18.5	27.7



#36

1,1-Dichloropropene

Concen: 4.680 ug/l

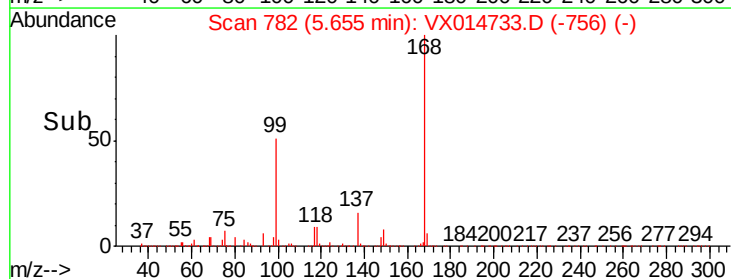
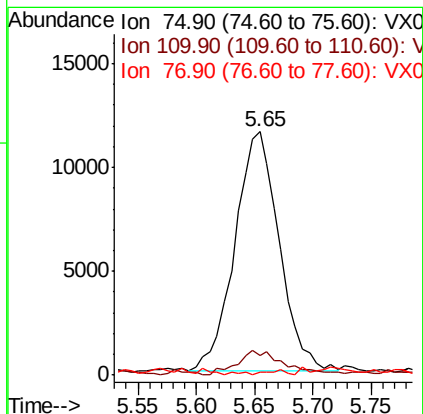
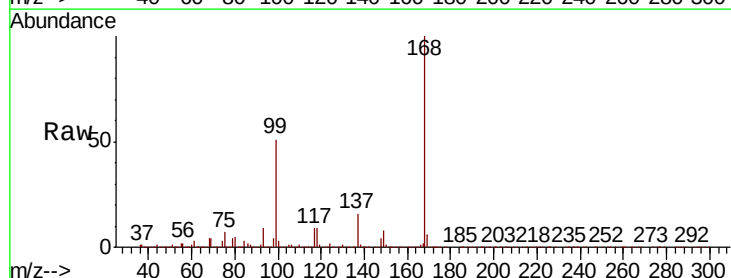
RT: 5.65 min Scan# 782

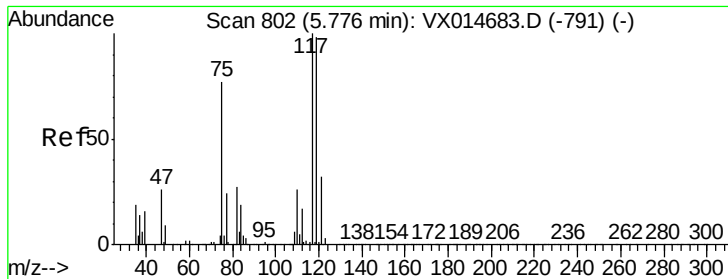
Delta R.T. -0.14 min

Lab File: VX014733.D

Acq: 27 Jan 2020 17:50

Tgt Ion:	75	Resp:	30427
Ion	Ratio	Lower	Upper
75	100		
110	11.0	17.9	53.7#
77	0.0	24.1	36.1#





#38

Carbon Tetrachloride

Concen: 6.564 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX014733.D

Acq: 27 Jan 2020 17:50

Instrument :

MSVOA_X

ClientSampled :

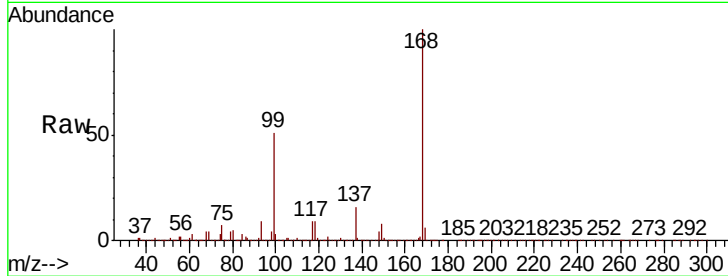
Tot Ion:117 Resp: 40756

Ion Ratio Lower Upper

117 100

119 6.1 77.9 116.9#

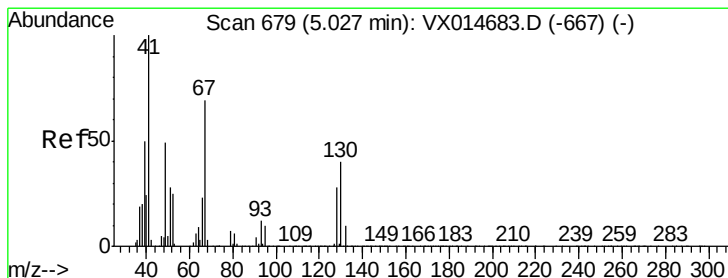
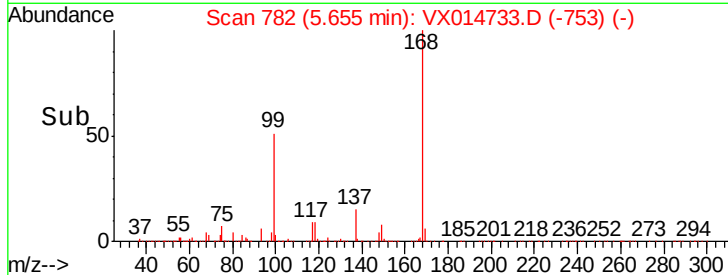
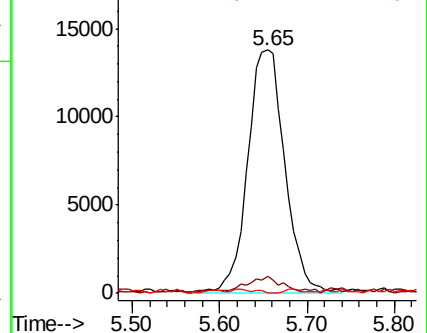
121 0.0 25.4 38.2#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#41

Methacrylonitrile

Concen: Below Cal

RT: 5.03 min Scan# 680

Delta R.T. 0.01 min

Lab File: VX014733.D

Acq: 27 Jan 2020 17:50

Tgt Ion: 41 Resp: 173

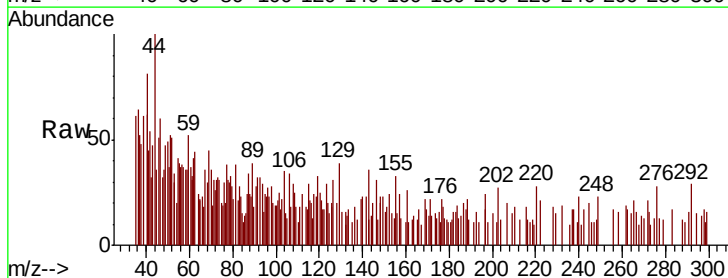
Ion Ratio Lower Upper

41 100

39 0.0 42.2 63.2#

67 161.3 55.4 83.0#

52 111.6 22.1 33.1#

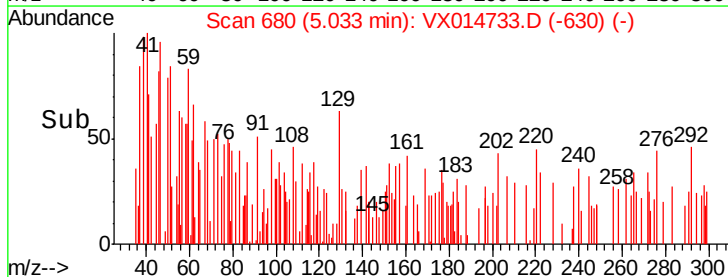
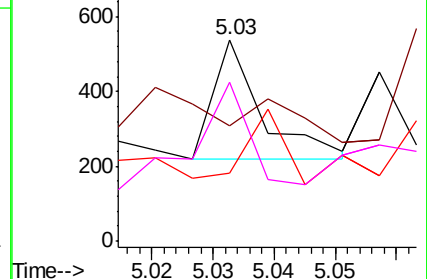


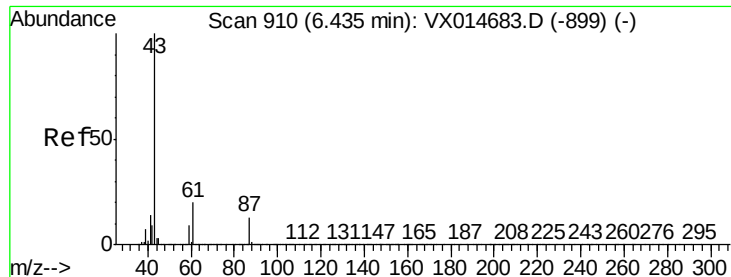
Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



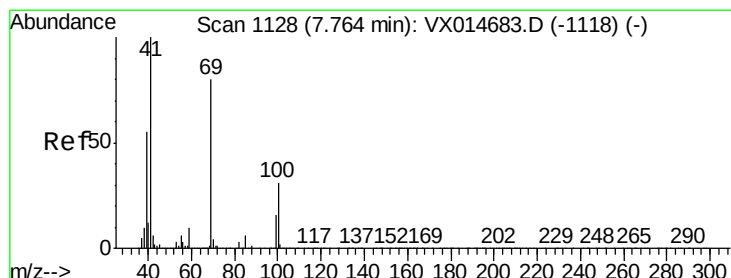
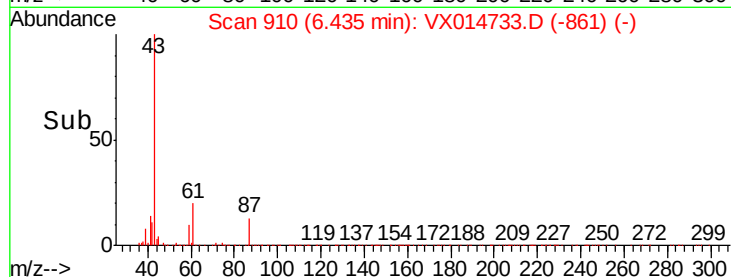
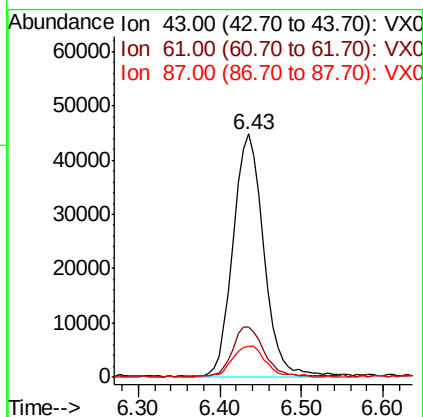
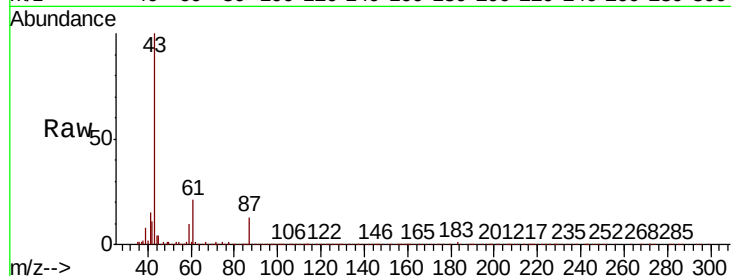


#43

Isopropyl Acetate
 Concen: 9.639 ug/l
 RT: 6.43 min Scan# 910
 Delta R.T. 0.00 min
 Lab File: VX014733.D
 Acq: 27 Jan 2020 17:50

Instrument :
 MSVOA_X
 ClientSampleId :

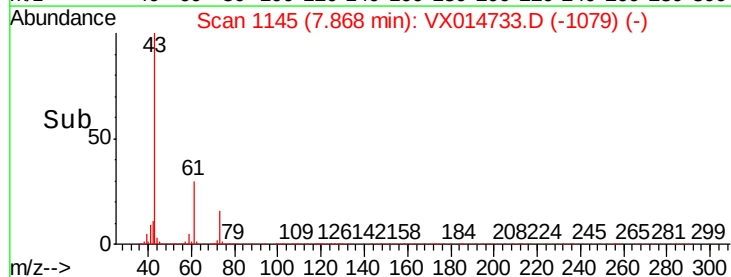
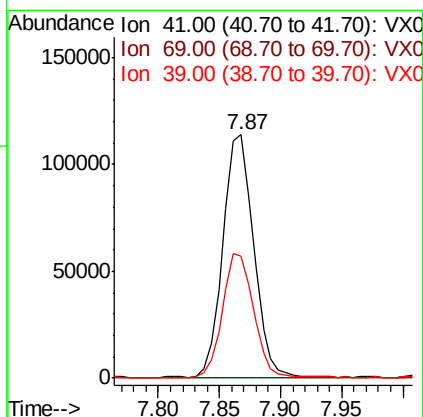
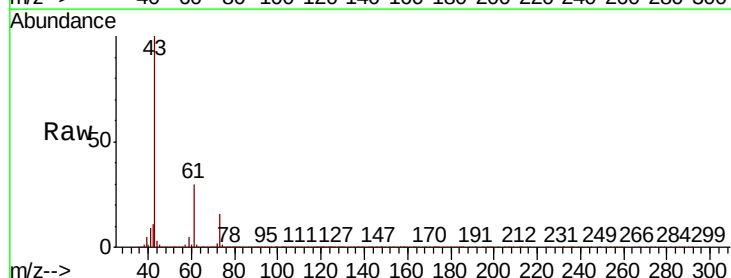
Tot Ion:	43	Resp:	117525
Ion	Ratio	Lower	Upper
43	100		
61	20.3	16.2	24.4
87	13.3	10.5	15.7

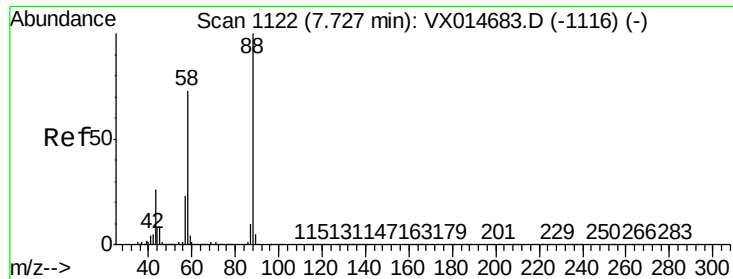


#48

Methyl methacrylate
 Concen: 33.923 ug/l
 RT: 7.87 min Scan# 1145
 Delta R.T. 0.10 min
 Lab File: VX014733.D
 Acq: 27 Jan 2020 17:50

Tgt Ion:	41	Resp:	197623
Ion	Ratio	Lower	Upper
41	100		
69	0.2	63.5	95.3#
39	52.5	43.7	65.5

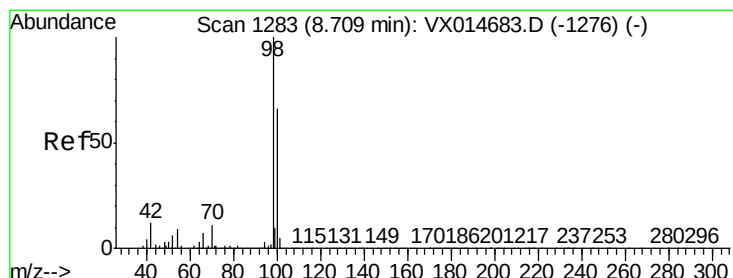
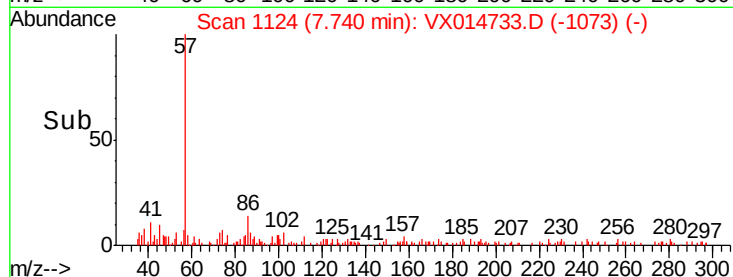
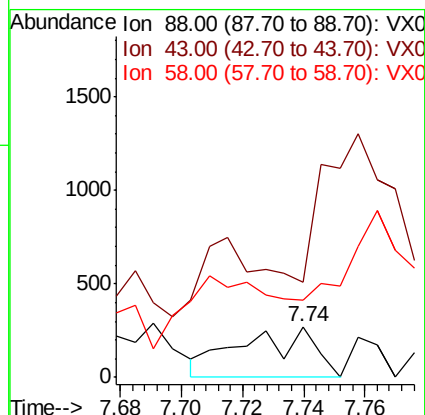
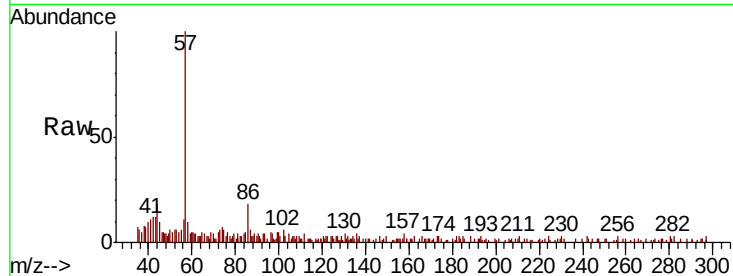




#49
1,4-Dioxane
Concen: 3.604 ug/l
RT: 7.74 min Scan# 1124
Delta R.T. 0.01 min
Lab File: VX014733.D
Acq: 27 Jan 2020 17:50

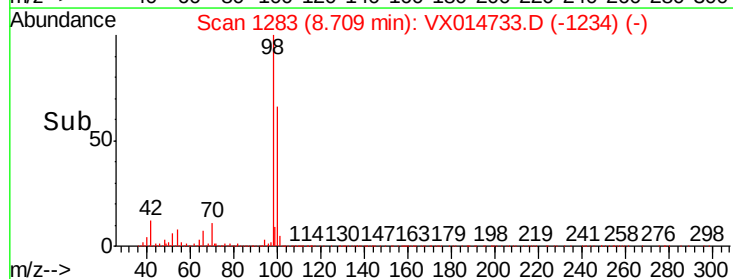
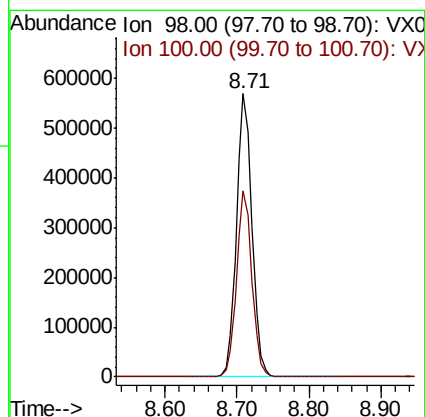
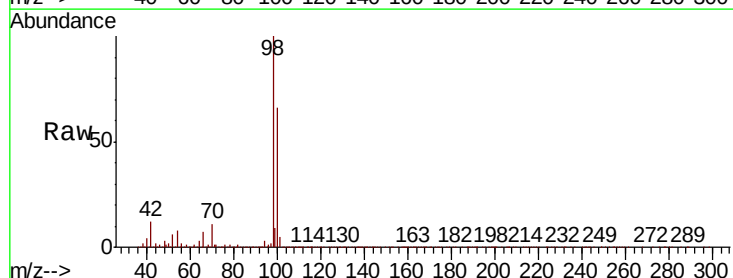
Instrument :
MSVOA_X
ClientSampleId :

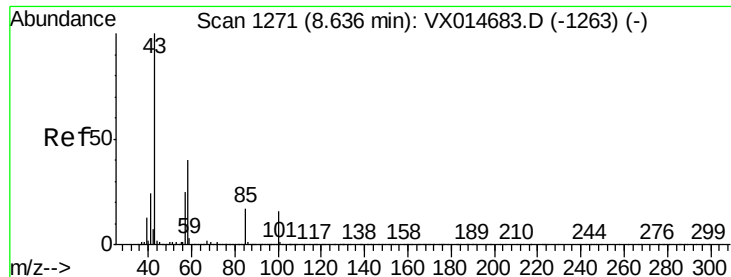
Tot Ion: 88 Resp: 445
Ion Ratio Lower Upper
88 100
43 0.0 26.2 39.2#
58 0.0 56.6 85.0#



#50
Toluene-d8
Concen: 50.387 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX014733.D
Acq: 27 Jan 2020 17:50

Tgt Ion: 98 Resp: 855140
Ion Ratio Lower Upper
98 100
100 65.2 53.0 79.6





#51

4-Methyl-2-Pentanone

Concen: 14.288 ug/l

RT: 8.61 min Scan# 1266

Delta R.T. -0.03 min

Lab File: VX014733.D

Acq: 27 Jan 2020 17:50

Instrument :

MSVOA_X

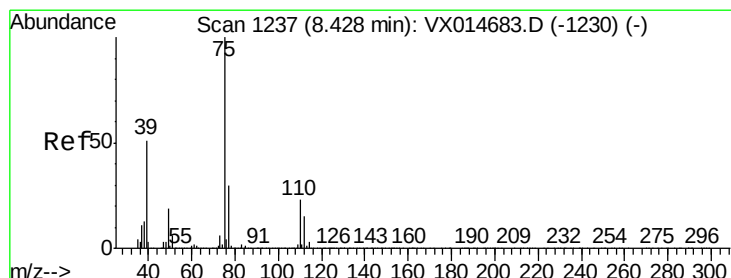
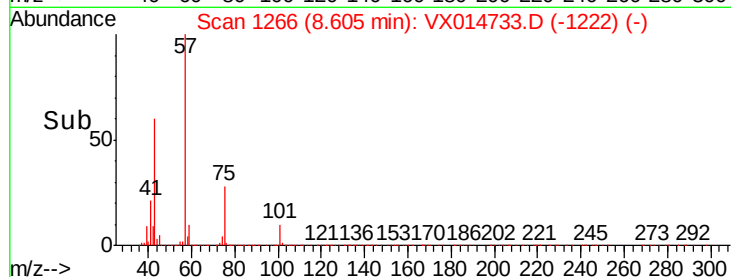
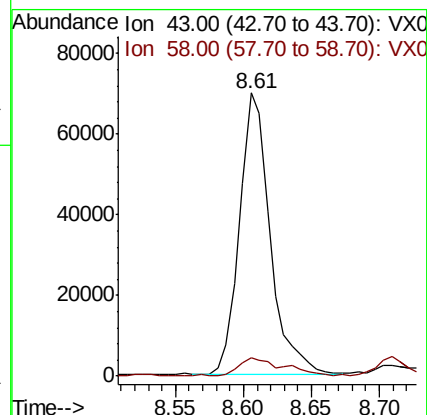
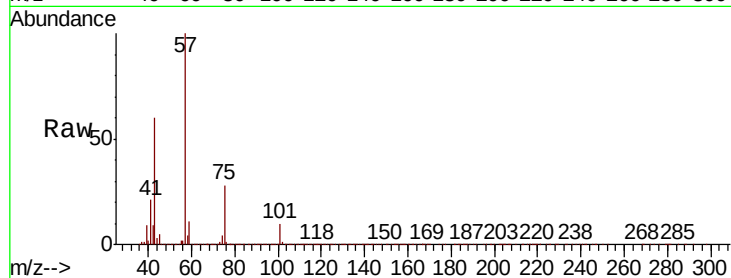
ClientSampleId :

Tot Ion: 43 Resp: 109951

Ion Ratio Lower Upper

43 100

58 9.0 31.6 47.4#



#54

cis-1,3-Dichloropropene

Concen: 6.487 ug/l

RT: 8.61 min Scan# 1266

Delta R.T. 0.18 min

Lab File: VX014733.D

Acq: 27 Jan 2020 17:50

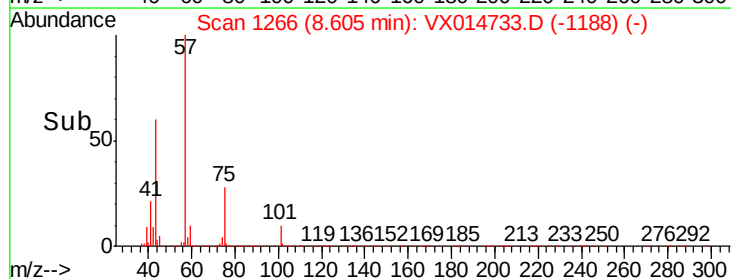
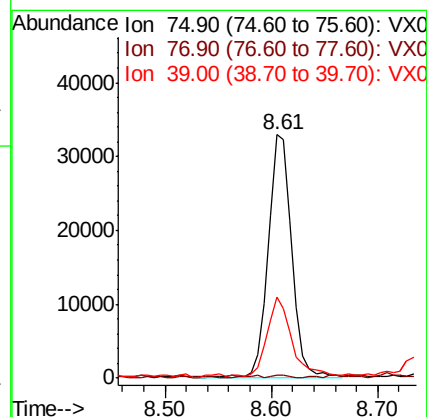
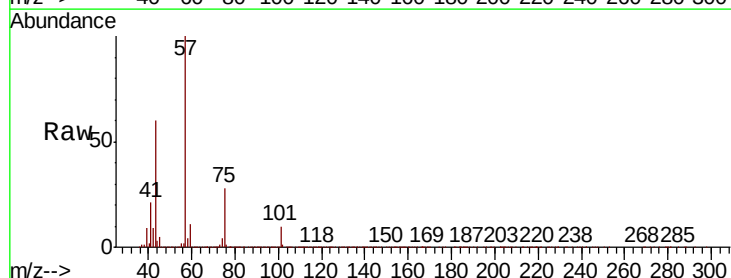
Tgt Ion: 75 Resp: 50509

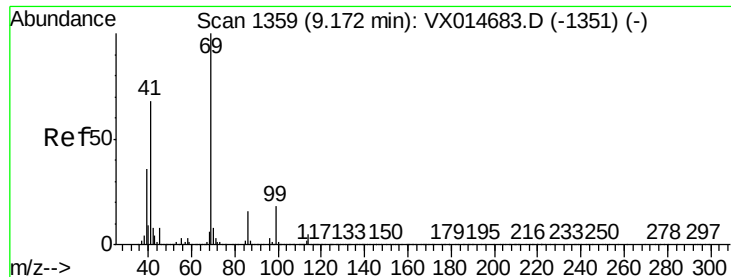
Ion Ratio Lower Upper

75 100

77 0.2 23.9 35.9#

39 33.5 40.9 61.3#

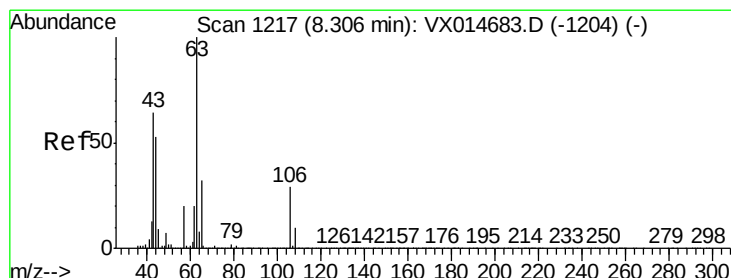
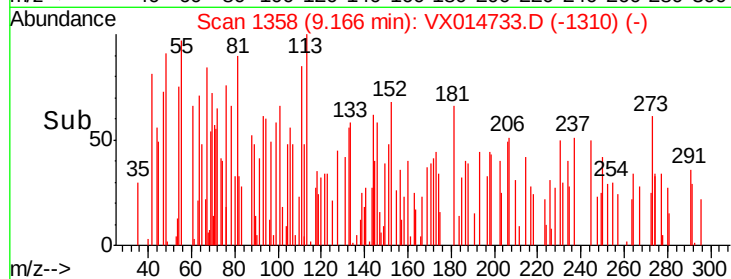
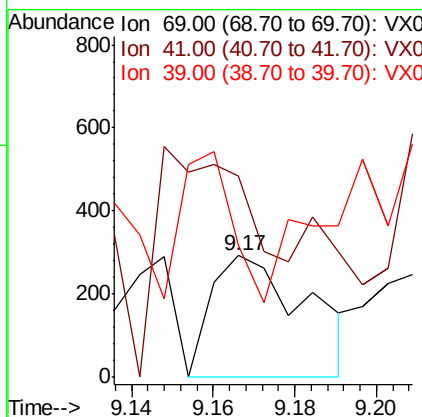
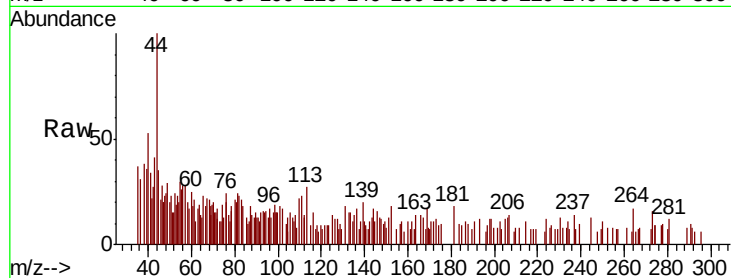




#56
Ethyl methacrylate
Concen: 1.838 ug/l
RT: 9.17 min Scan# 1358
Delta R.T. -0.01 min
Lab File: VX014733.D
Acq: 27 Jan 2020 17:50

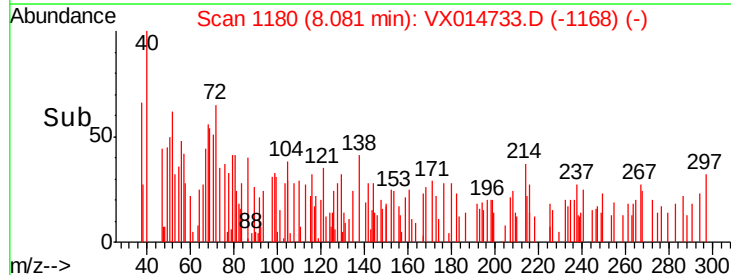
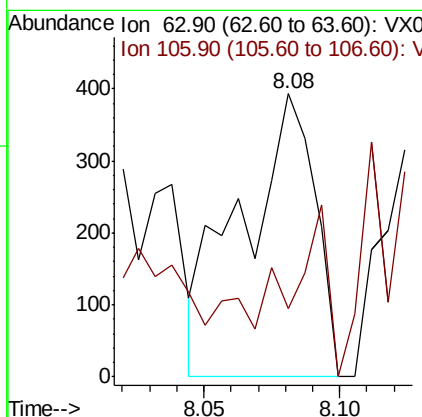
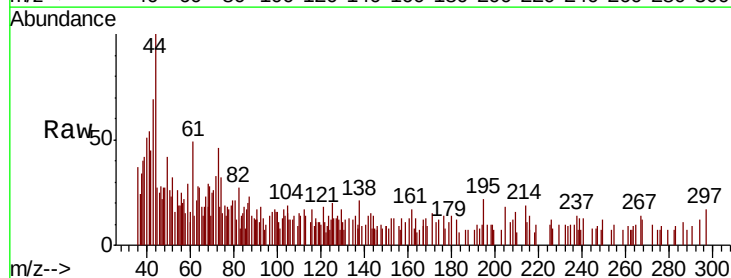
Instrument :
MSVOA_X
ClientSampled :

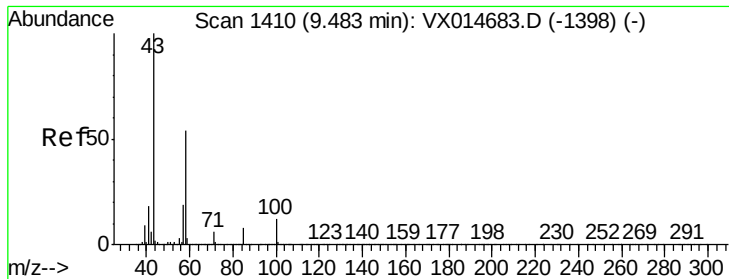
Tot Ion	Ratio	Lower	Upper
69	100		
41	0.0	54.9	82.3#
39	0.0	29.3	43.9#



#58
2-Chloroethyl Vinyl ether
Concen: 0.291 ug/l
RT: 8.08 min Scan# 1180
Delta R.T. -0.23 min
Lab File: VX014733.D
Acq: 27 Jan 2020 17:50

Tgt Ion	Ratio	Lower	Upper
63	100		
106	31.0	22.7	34.1

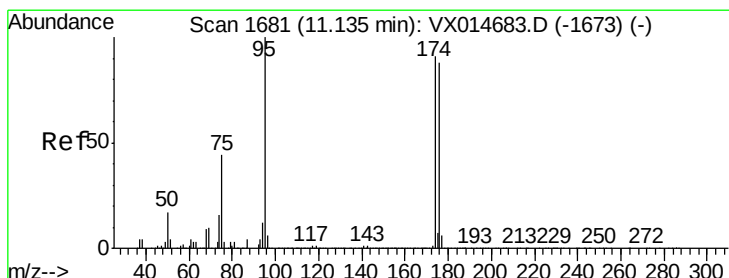
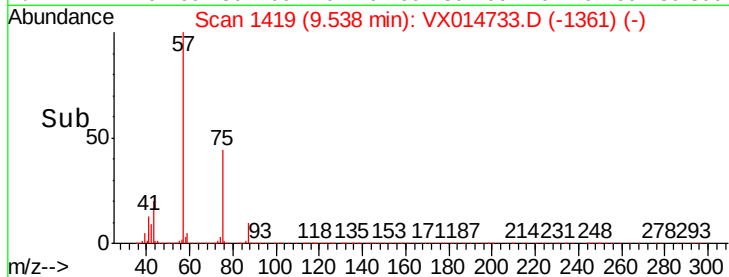
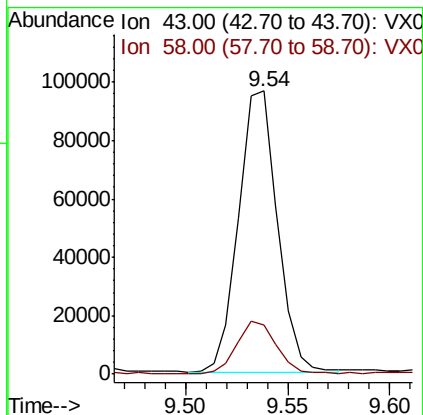
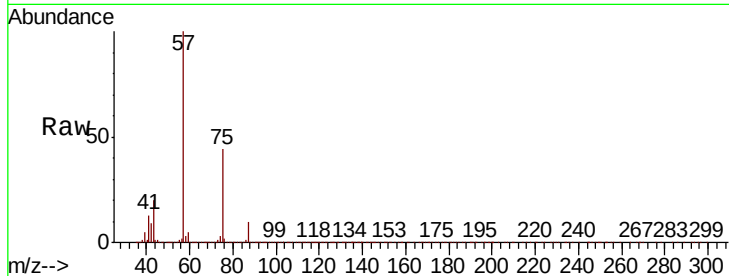




#59
2-Hexanone
Concen: 21.352 ug/l
RT: 9.54 min Scan# 1419
Delta R.T. 0.06 min
Lab File: VX014733.D
Acq: 27 Jan 2020 17:50

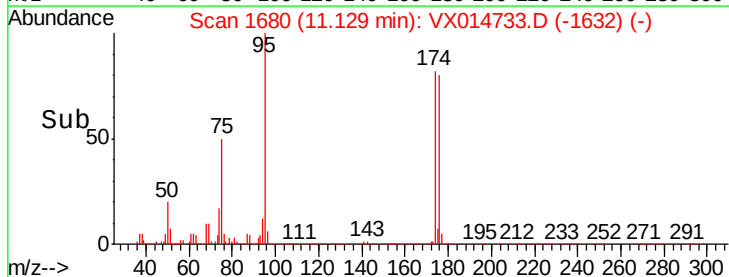
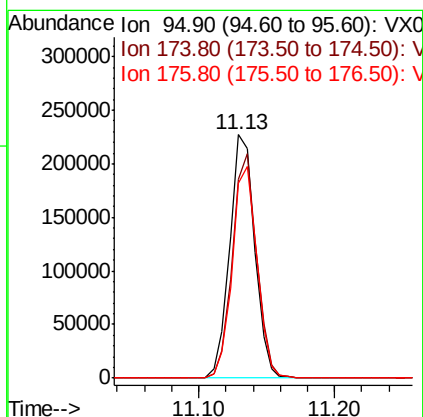
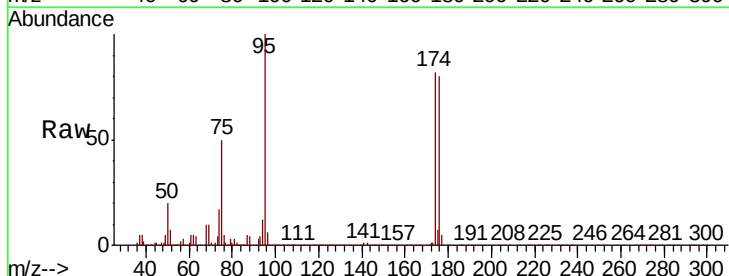
Instrument :
MSVOA_X
ClientSampleId :

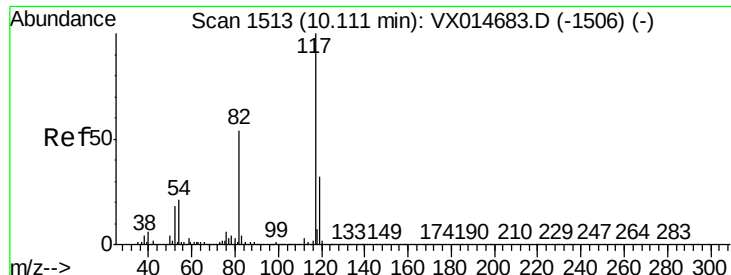
Tot Ion: 43 Resp: 127504
Ion Ratio Lower Upper
43 100
58 18.8 27.2 81.5#



#62
4-Bromofluorobenzene
Concen: 48.096 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.01 min
Lab File: VX014733.D
Acq: 27 Jan 2020 17:50

Tgt Ion: 95 Resp: 290773
Ion Ratio Lower Upper
95 100
174 90.1 0.0 176.0
176 86.0 0.0 172.2

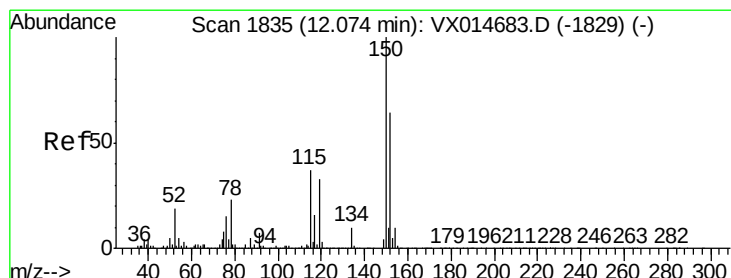
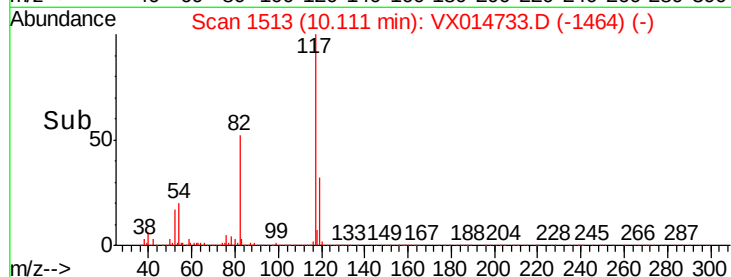
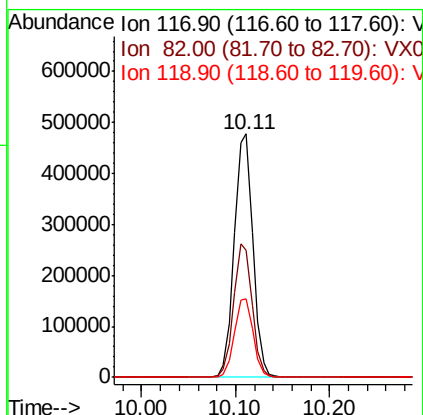
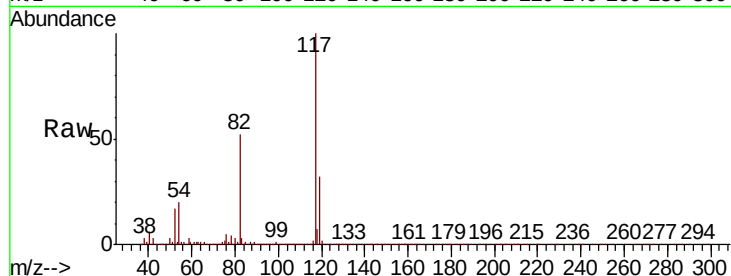




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX014733.D
Acq: 27 Jan 2020 17:50

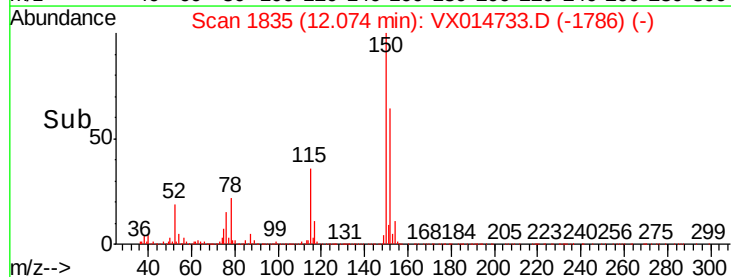
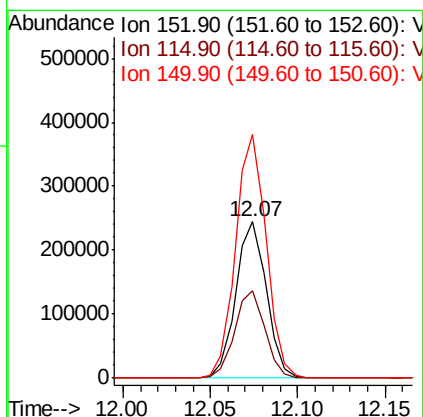
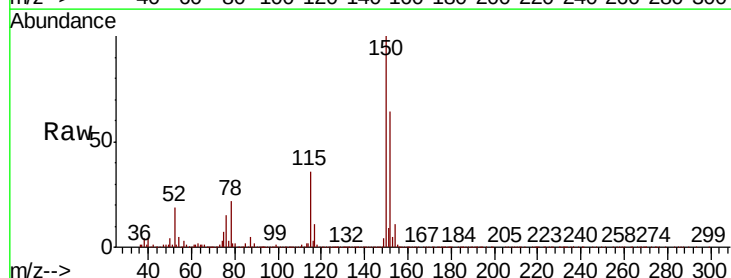
Instrument :
MSVOA_X
ClientSampleId :

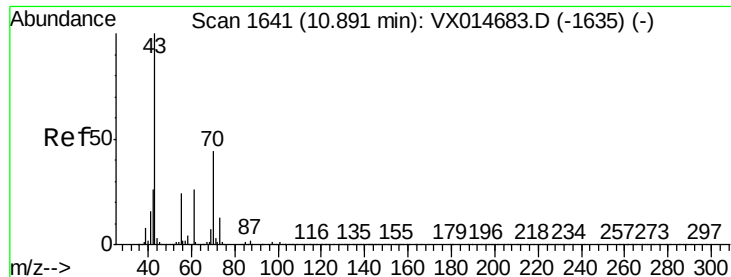
Tot Ion:117 Resp: 658090
Ion Ratio Lower Upper
117 100
82 52.4 43.2 64.8
119 32.3 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX014733.D
Acq: 27 Jan 2020 17:50

Tgt Ion:152 Resp: 297580
Ion Ratio Lower Upper
152 100
115 55.6 39.4 118.1
150 156.1 0.0 351.2

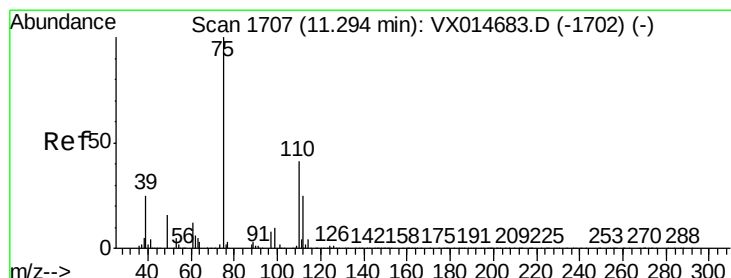
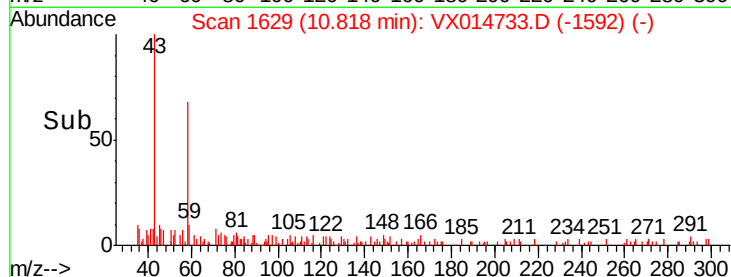
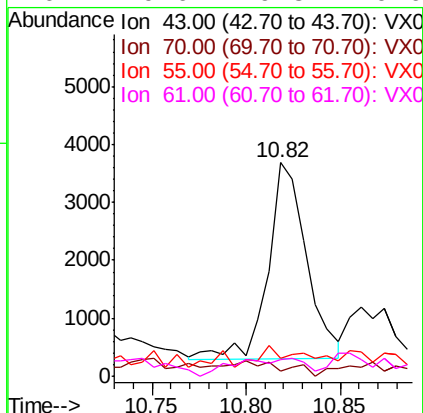
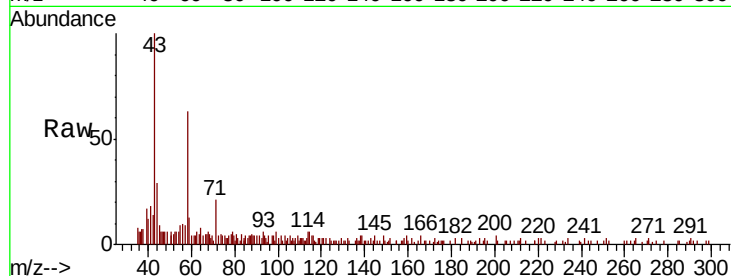




#74
N-amvl acetate
Concen: 0.524 ug/l
RT: 10.82 min Scan# 1629
Delta R.T. -0.07 min
Lab File: VX014733.D
Acq: 27 Jan 2020 17:50

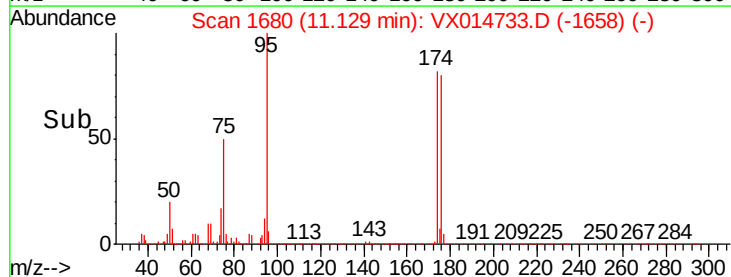
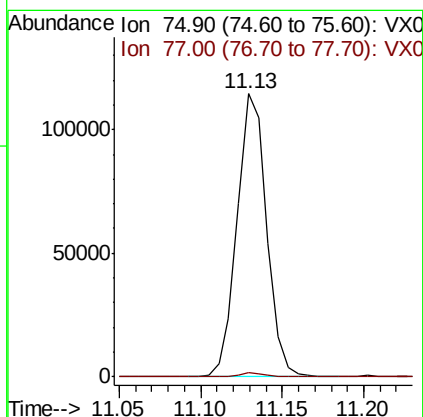
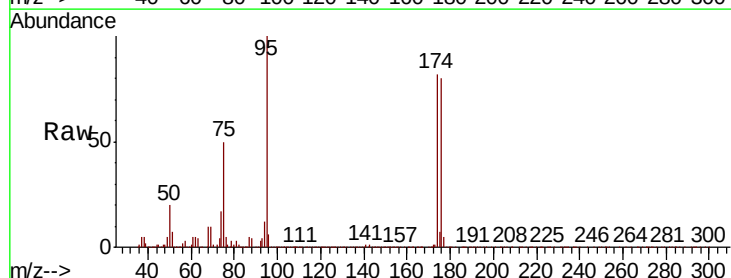
Instrument :
MSVOA_X
ClientSampleId :

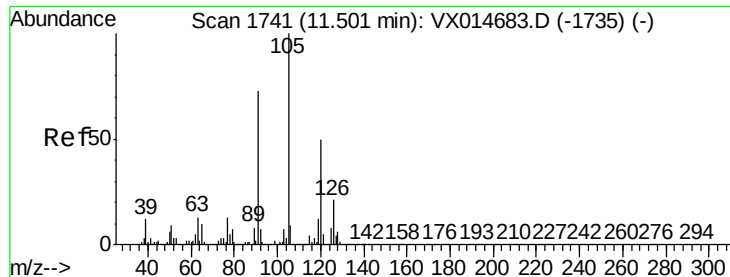
Tot Ion: 43 Resp: 4801
Ion Ratio Lower Upper
43 100
70 11.6 34.6 52.0#
55 7.5 19.4 29.2#
61 9.6 19.8 29.6#



#76
1,2,3-Trichloropropane
Concen: 20.759 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.16 min
Lab File: VX014733.D
Acq: 27 Jan 2020 17:50

Tgt Ion: 75 Resp: 143726
Ion Ratio Lower Upper
75 100
77 1.4 18.7 56.1#





#80

1,3,5-Trimethylbenzene

Concen: 0.223 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX014733.D

Acq: 27 Jan 2020 17:50

Instrument :

MSVOA_X

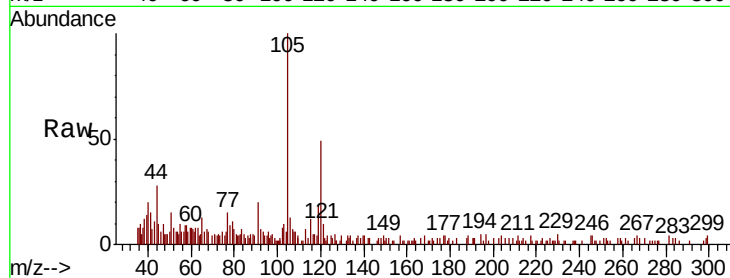
ClientSampleId :

Tot Ion:105 Resp: 3866

Ion Ratio Lower Upper

105 100

120 57.1 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

3000

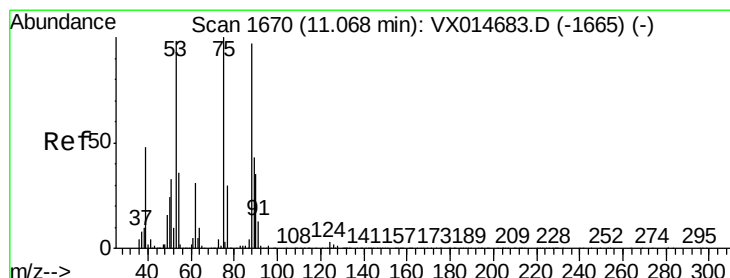
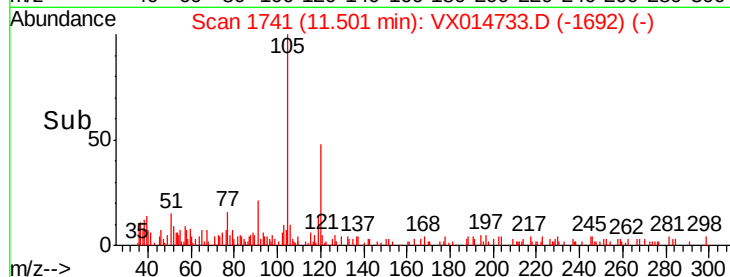
2000

1000

0

11.45 11.50 11.55

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 59.077 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014733.D

Acq: 27 Jan 2020 17:50

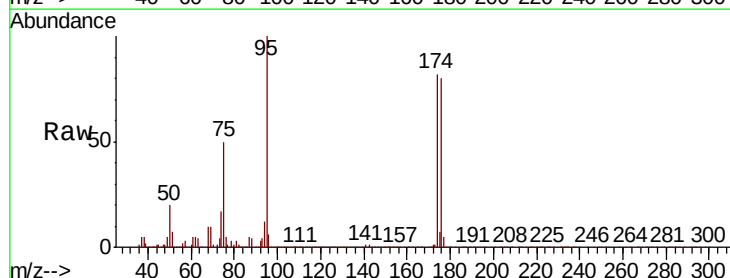
Tgt Ion: 75 Resp: 143726

Ion Ratio Lower Upper

75 100

53 0.1 78.8 118.2#

89 0.0 35.4 53.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

150000

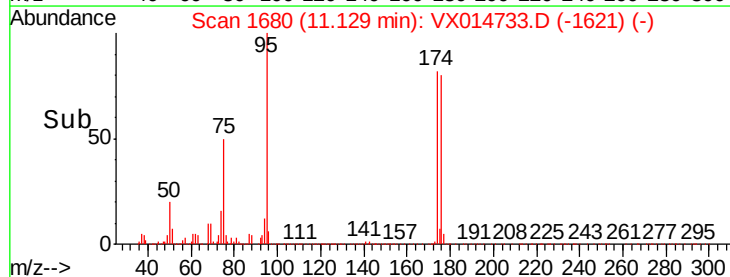
100000

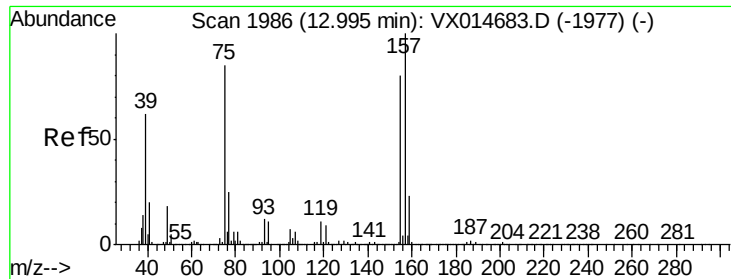
50000

0

11.05 11.10 11.15 11.20

Time-->

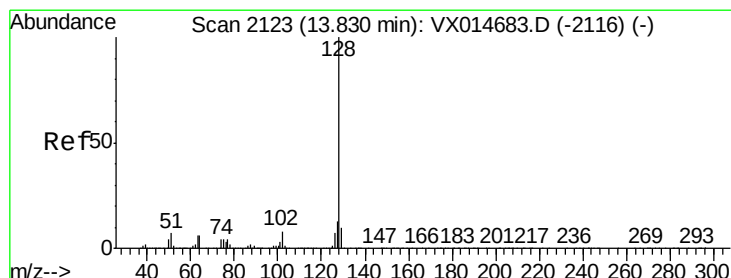
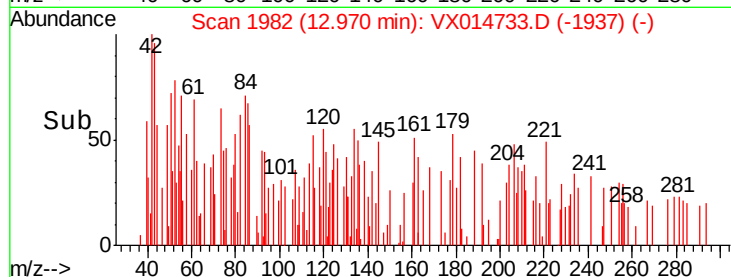
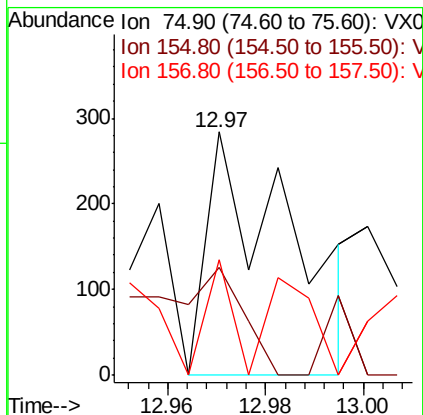
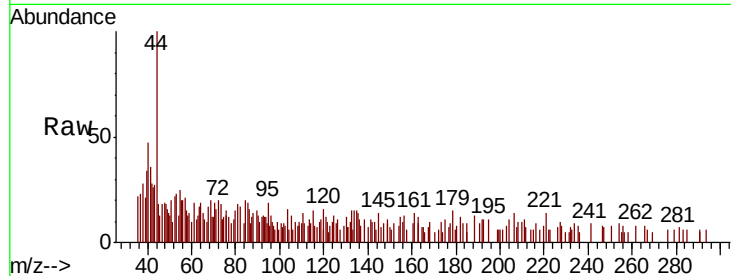




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.207 ug/l
 RT: 12.97 min Scan# 1982
 Delta R.T. -0.02 min
 Lab File: VX014733.D
 Acq: 27 Jan 2020 17:50

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion: 75 Resp: 332
 Ion Ratio Lower Upper
 75 100
 155 0.0 45.6 136.9#
 157 14.8 60.3 180.9#



#95
 Naphthalene
 Concen: 0.960 ug/l
 RT: 13.84 min Scan# 2124
 Delta R.T. 0.01 min
 Lab File: VX014733.D
 Acq: 27 Jan 2020 17:50

Tgt Ion: 128 Resp: 604
 Ion Ratio Lower Upper
 128 100
 127 23.7 10.3 15.5#
 129 42.7 8.6 12.8#

