

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX012820\
 Data File : VX014751.D
 Acq On : 28 Jan 2020 15:29
 Operator : JC/SP
 Sample : L1245-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 28 23:20:11 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	441547	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	689798	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	645570	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	294103	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	258006	50.04	ug/l	0.00
Spiked Amount			Recovery	=	100.08%	
35) Dibromofluoromethane	5.48	113	127887	29.38	ug/l	0.00
Spiked Amount			Recovery	=	58.76%	
50) Toluene-d8	8.71	98	826186	49.37	ug/l	0.00
Spiked Amount			Recovery	=	98.74%	
62) 4-Bromofluorobenzene	11.13	95	282640	47.42	ug/l	0.00
Spiked Amount			Recovery	=	94.84%	

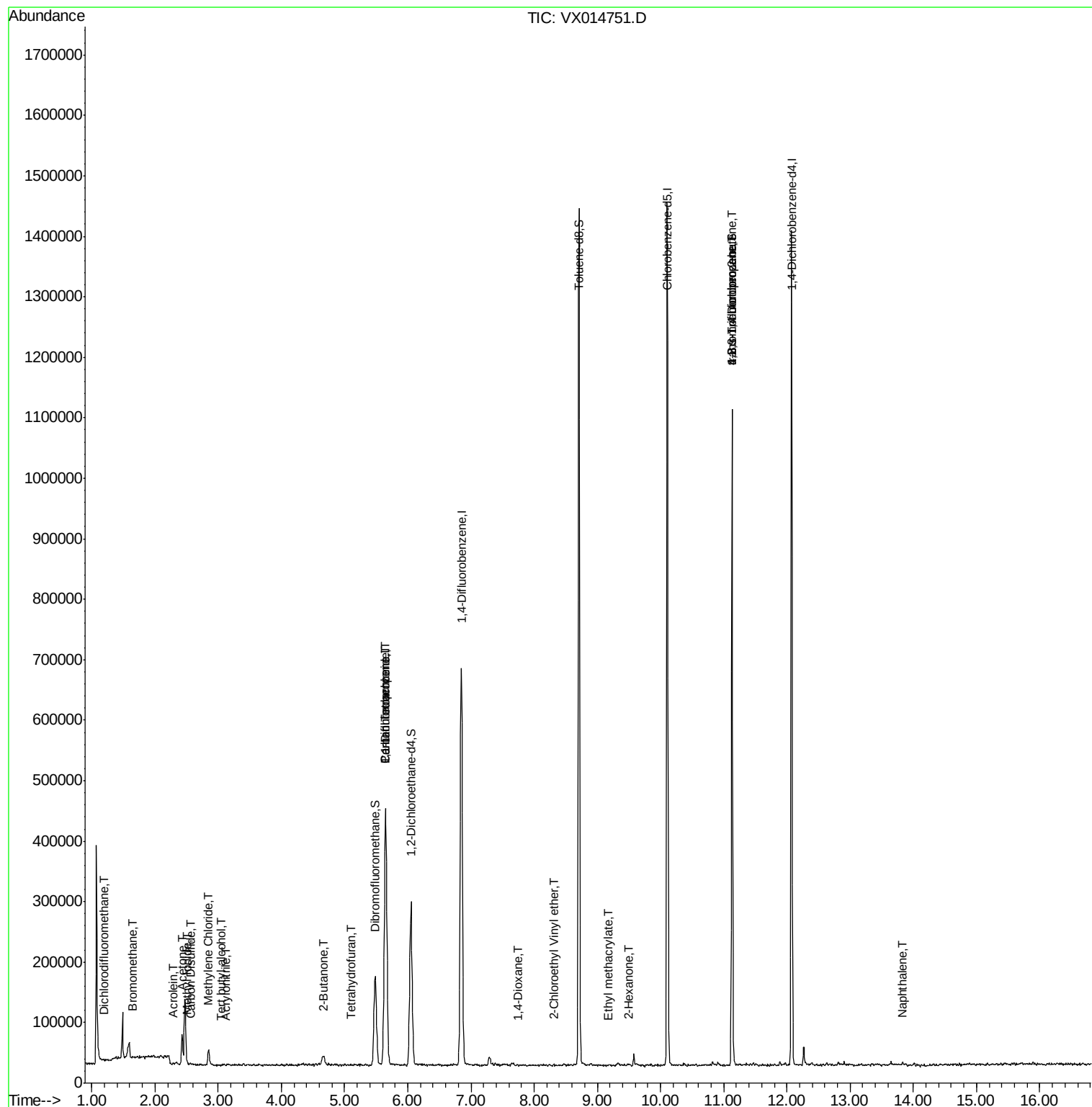
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	378	0.594	ug/l #	1
5) Bromomethane	1.65	94	1439	0.328	ug/l	86
6) Chloroethane	1.73	64	447	Below Cal	#	1
10) Methyl Iodide	2.51	142	2055	0.355	ug/l #	77
11) Tert butyl alcohol	3.05	59	655	0.566	ug/l #	1
13) Acrolein	2.29	56	1308	1.433	ug/l	87
15) Acrylonitrile	3.12	53	849	0.317	ug/l #	25
16) Acetone	2.43	43	52643	18.767	ug/l	100
17) Carbon Disulfide	2.56	76	2833	0.236	ug/l #	52
20) Methylene Chloride	2.85	84	12438	2.379	ug/l	92
25) 2-Butanone	4.67	43	11674	2.883	ug/l	97
29) Tetrahydrofuran	5.09	42	528	0.220	ug/l #	29
36) 1,1-Dichloropropene	5.65	75	30022	4.684	ug/l #	51
38) Carbon Tetrachloride	5.65	117	38860	6.348	ug/l #	15
41) Methacrylonitrile	5.01	41	422	Below Cal	#	25
49) 1,4-Dioxane	7.75	88	349	2.866	ug/l #	32
56) Ethyl methacrylate	9.17	69	330	1.822	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.32	63	902	0.360	ug/l #	46
59) 2-Hexanone	9.50	43	1720	0.292	ug/l	97
76) 1,2,3-Trichloropropane	11.13	75	141230	20.640	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	141230	58.738	ug/l #	11
95) Naphthalene	13.83	128	2766	1.063	ug/l #	68

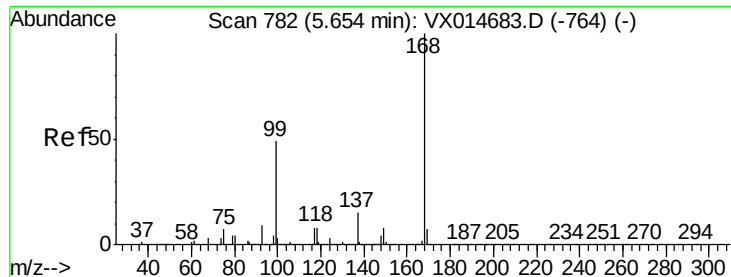
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 781

Delta R.T. -0.01 min

Lab File: VX014751.D

Acq: 28 Jan 2020 15:29

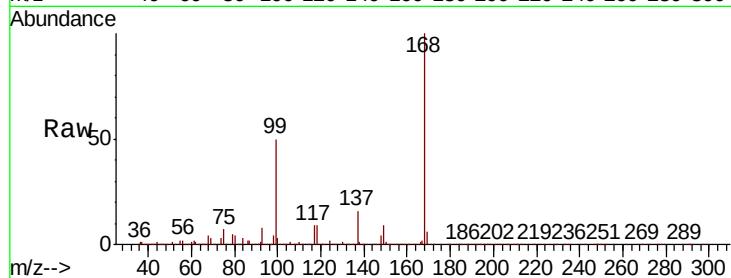
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 441547

Ion Ratio Lower Upper

168 100

99 50.4 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

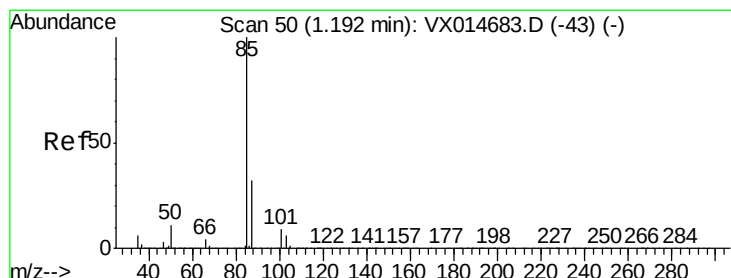
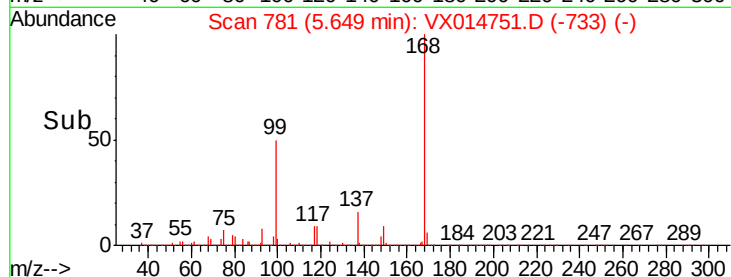
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 0.594 ug/l

RT: 1.19 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX014751.D

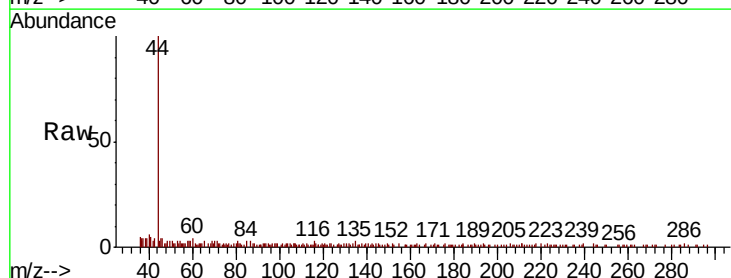
Acq: 28 Jan 2020 15:29

Tgt Ion: 85 Resp: 378

Ion Ratio Lower Upper

85 100

87 90.3 16.2 48.5#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

300

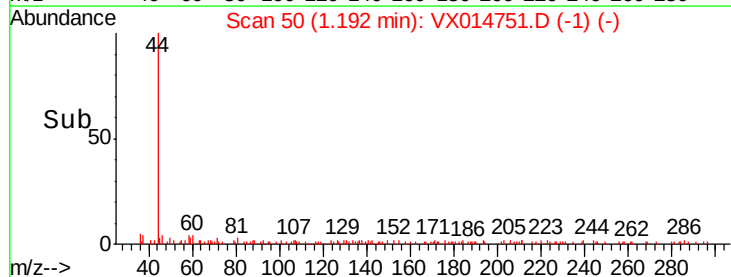
200

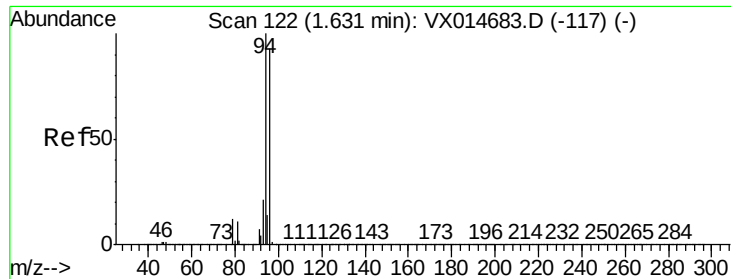
100

0

Time-->

1.16 1.18 1.20 1.22





#5

Bromomethane

Concen: 0.328 ug/l

RT: 1.65 min Scan# 125

Delta R.T. 0.02 min

Lab File: VX014751.D

Acq: 28 Jan 2020 15:29

Instrument :

MSVOA_X

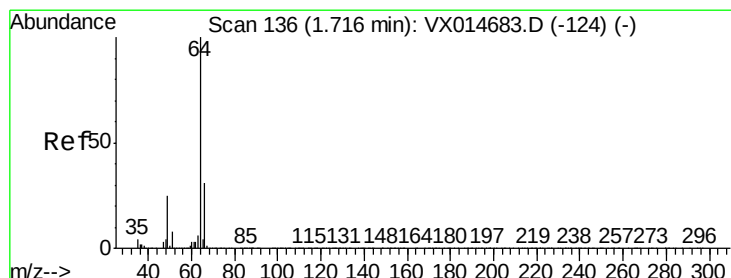
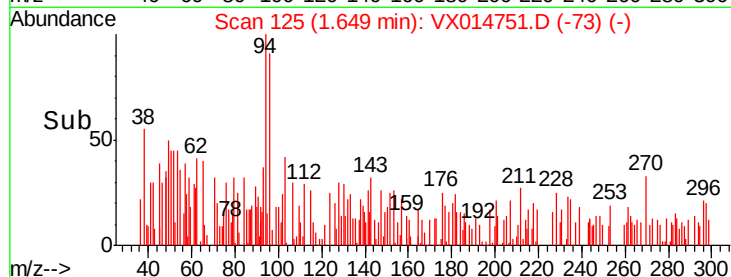
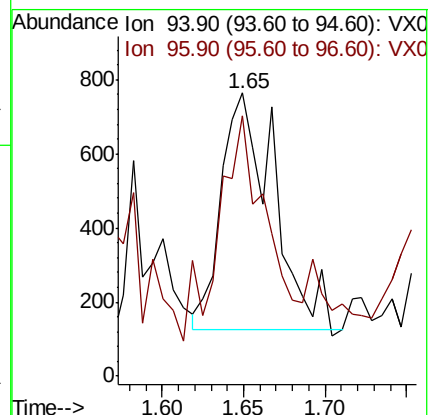
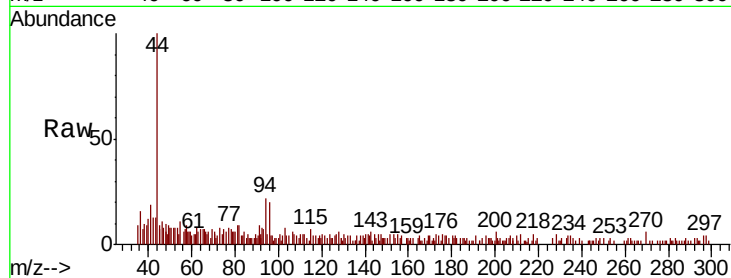
ClientSampled :

Tot Ion: 94 Resp: 1439

Ion Ratio Lower Upper

94 100

96 79.9 74.7 112.1



#6

Chloroethane

Concen: Below Cal

RT: 1.73 min Scan# 138

Delta R.T. 0.01 min

Lab File: VX014751.D

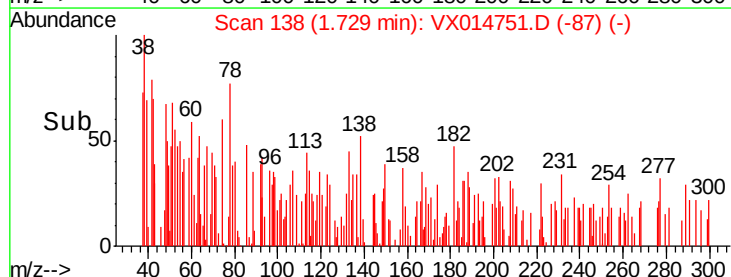
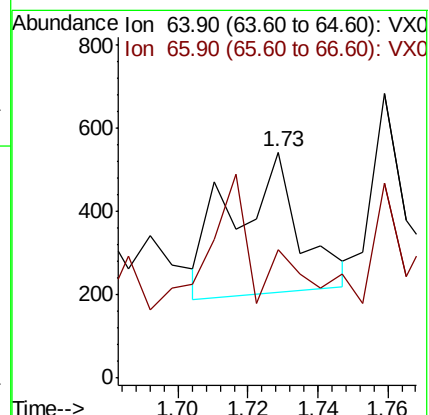
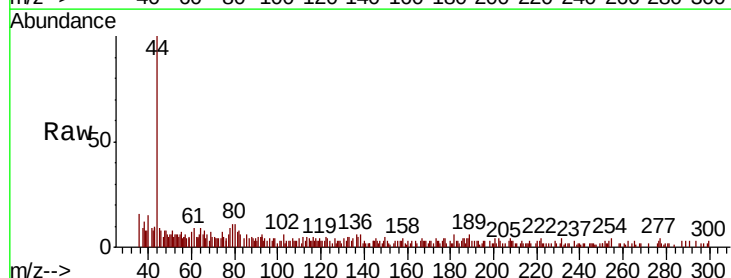
Acq: 28 Jan 2020 15:29

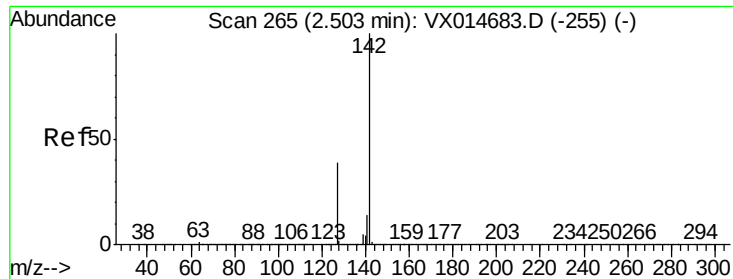
Tgt Ion: 64 Resp: 447

Ion Ratio Lower Upper

64 100

66 86.4 25.2 37.8#

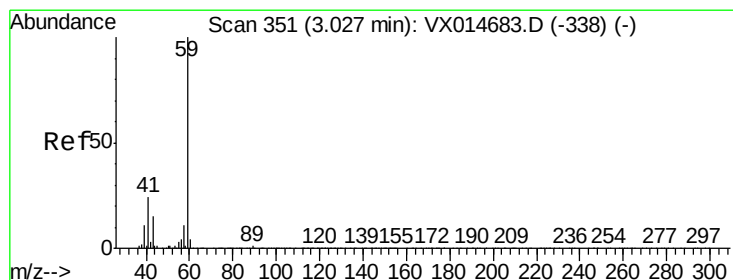
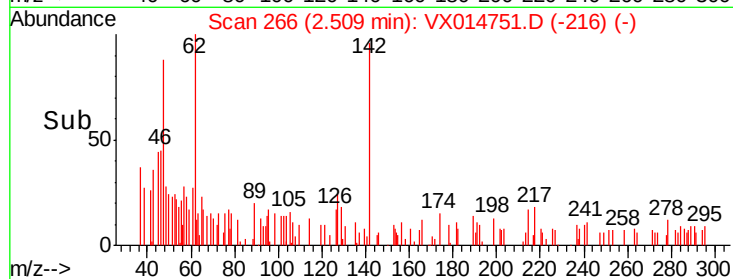
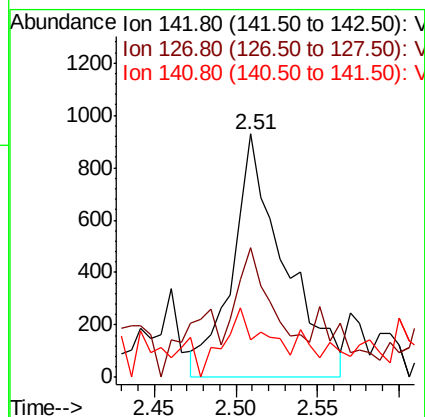
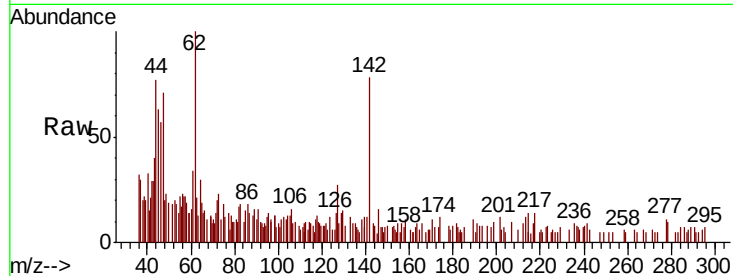




#10
Methvl Iodide
Concen: 0.355 ug/l
RT: 2.51 min Scan# 266
Delta R.T. 0.01 min
Lab File: VX014751.D
Acq: 28 Jan 2020 15:29

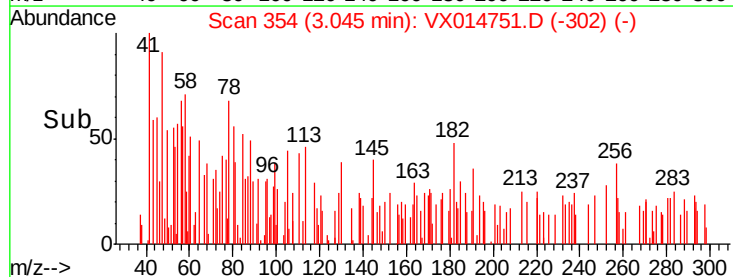
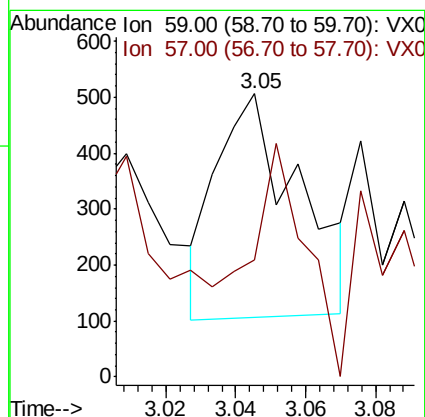
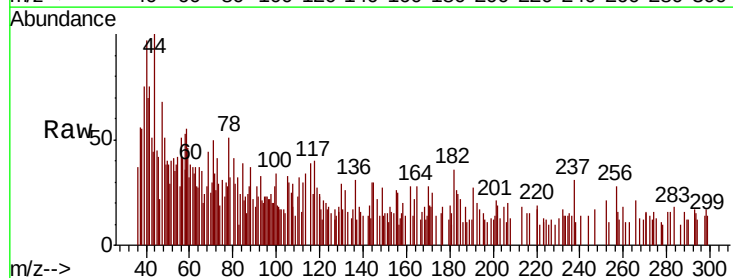
Instrument :
MSVOA_X
ClientSampled :

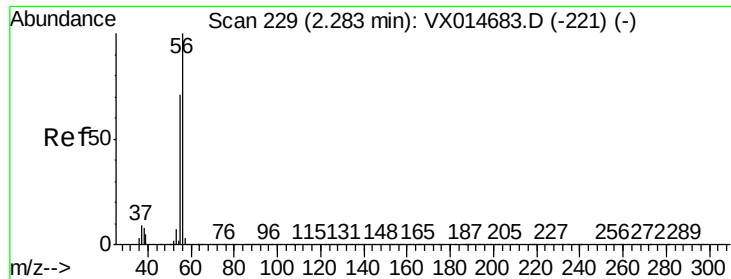
Tot Ion:142 Resp: 2055
Ion Ratio Lower Upper
142 100
127 25.5 31.1 46.7#
141 24.0 11.3 16.9#



#11
Tert butyl alcohol
Concen: 0.566 ug/l
RT: 3.05 min Scan# 354
Delta R.T. 0.02 min
Lab File: VX014751.D
Acq: 28 Jan 2020 15:29

Tgt Ion: 59 Resp: 655
Ion Ratio Lower Upper
59 100
57 71.0 8.3 12.5#





#13

Acrolein

Concen: 1.433 ug/l

RT: 2.29 min Scan# 230

Delta R.T. 0.01 min

Lab File: VX014751.D

Acq: 28 Jan 2020 15:29

Instrument :

MSVOA_X

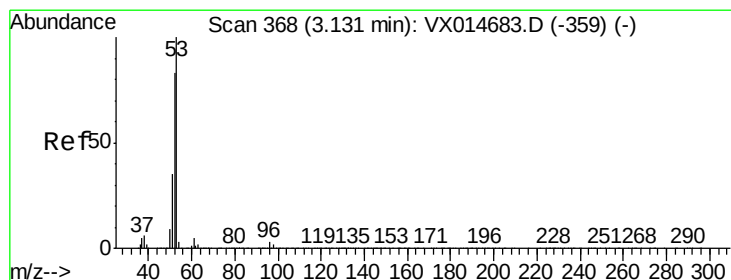
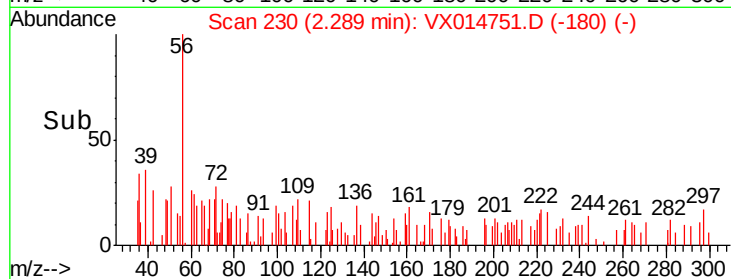
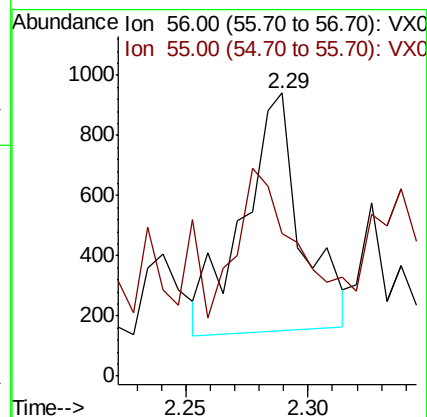
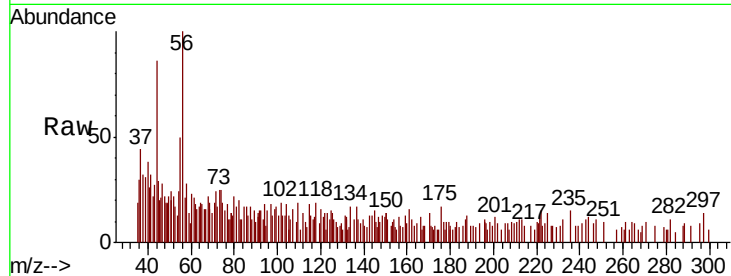
ClientSampled :

Tot Ion: 56 Resp: 1308

Ion Ratio Lower Upper

56 100

55 59.8 56.6 84.8



#15

Acrylonitrile

Concen: 0.317 ug/l

RT: 3.12 min Scan# 366

Delta R.T. -0.01 min

Lab File: VX014751.D

Acq: 28 Jan 2020 15:29

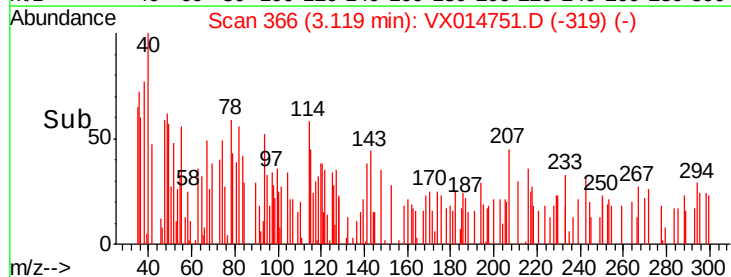
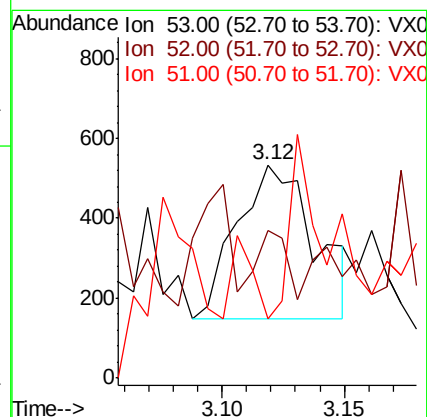
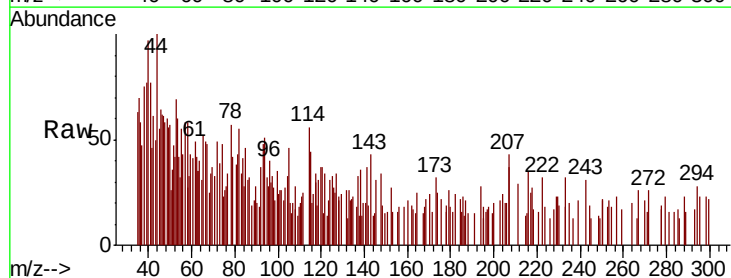
Tgt Ion: 53 Resp: 849

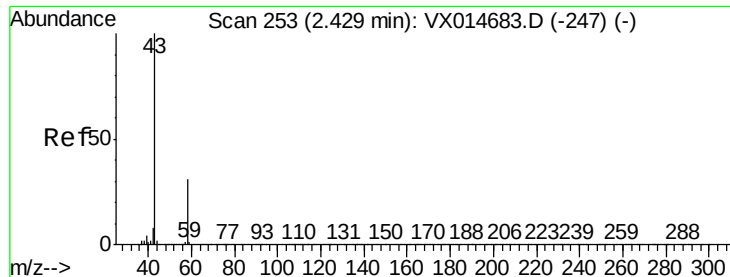
Ion Ratio Lower Upper

53 100

52 14.0 66.4 99.6#

51 77.4 28.7 43.1#





#16

Acetone

Concen: 18.767 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX014751.D

Acq: 28 Jan 2020 15:29

Instrument :

MSVOA_X

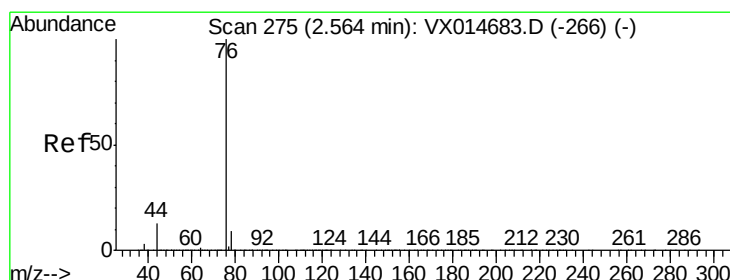
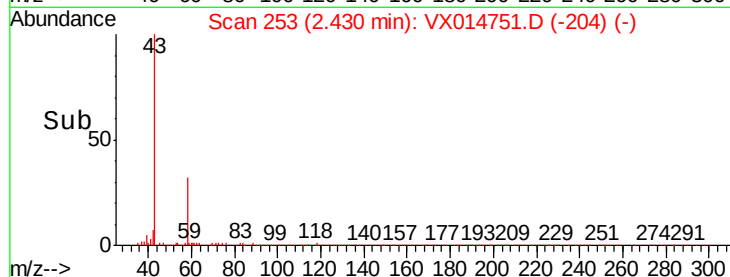
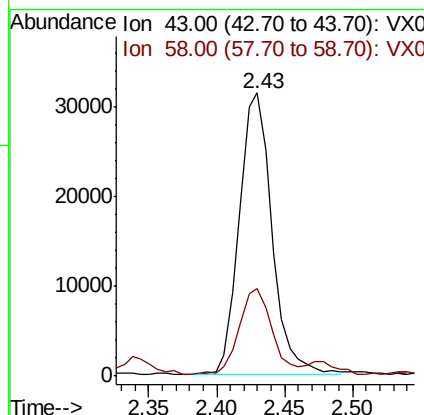
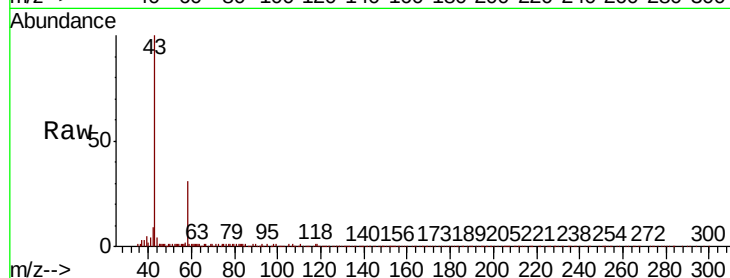
ClientSampleId :

Tot Ion: 43 Resp: 52643

Ion Ratio Lower Upper

43 100

58 30.6 24.5 36.7



#17

Carbon Disulfide

Concen: 0.236 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.00 min

Lab File: VX014751.D

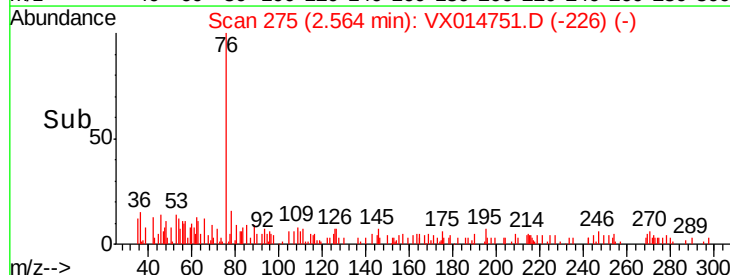
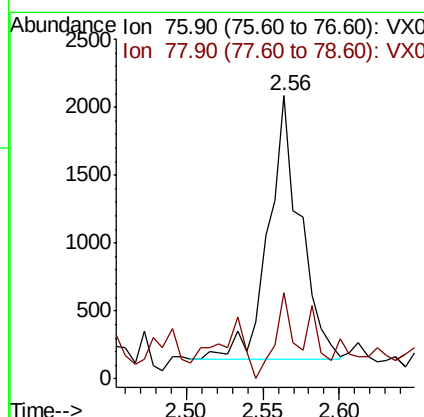
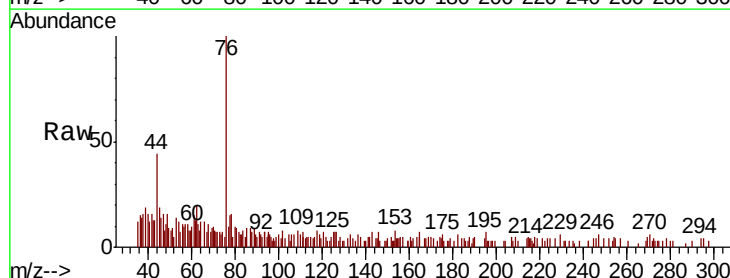
Acq: 28 Jan 2020 15:29

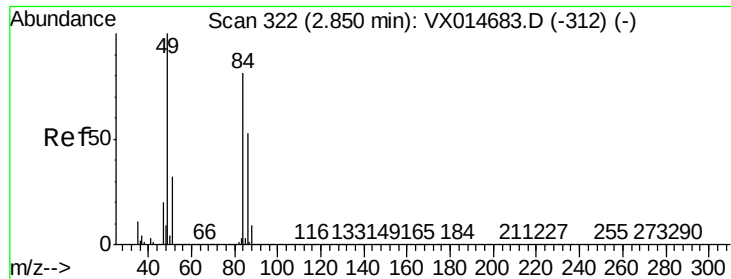
Tgt Ion: 76 Resp: 2833

Ion Ratio Lower Upper

76 100

78 26.3 7.2 10.8#

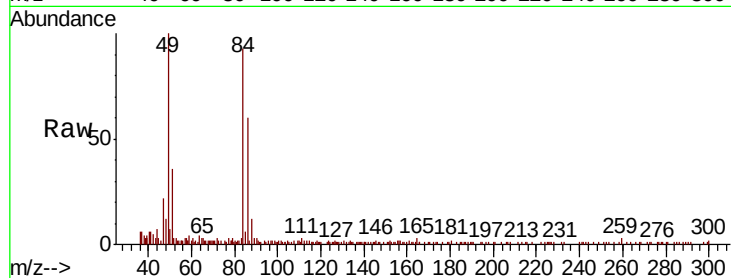




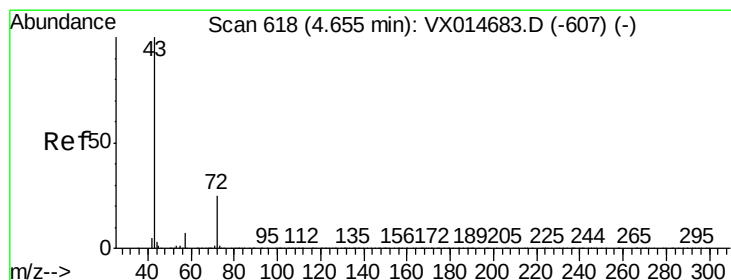
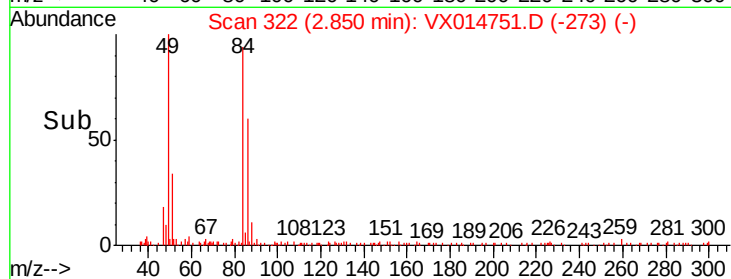
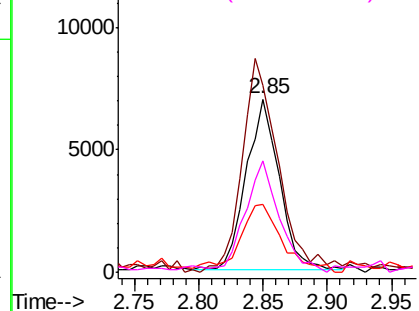
#20
Methylene Chloride
Concen: 2.379 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.00 min
Lab File: VX014751.D
Acq: 28 Jan 2020 15:29

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:	84	Resp:	12438
Ion	Ratio	Lower	Upper
84	100		
49	109.0	98.2	147.4
51	40.3	31.3	46.9
86	62.8	51.8	77.6

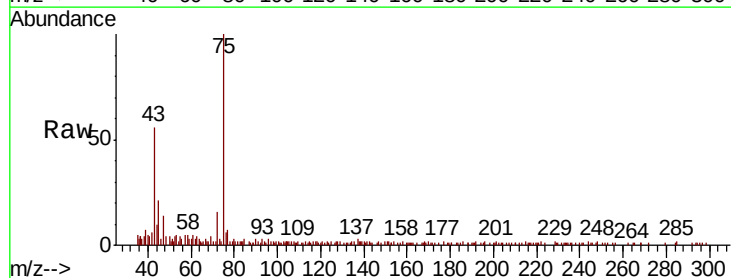


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

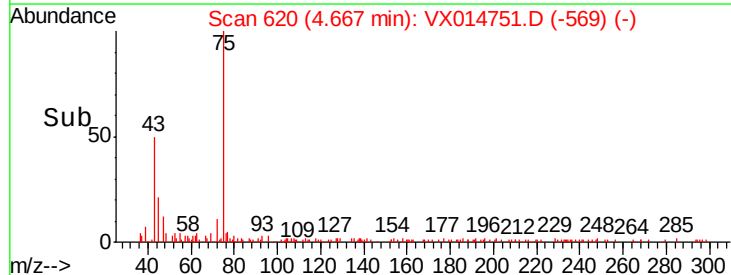
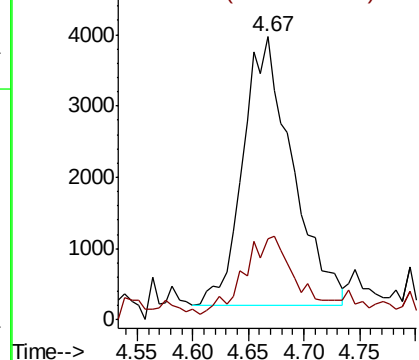


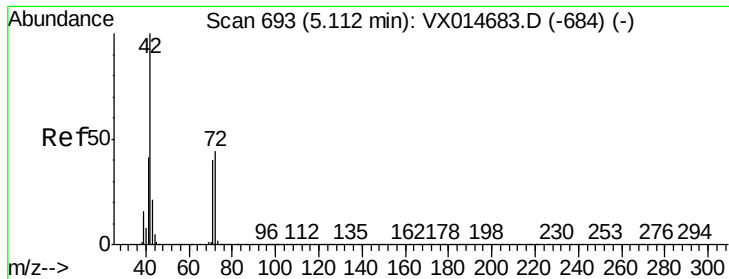
#25
2-Butanone
Concen: 2.883 ug/l
RT: 4.67 min Scan# 620
Delta R.T. 0.01 min
Lab File: VX014751.D
Acq: 28 Jan 2020 15:29

Tgt Ion:	43	Resp:	11674
Ion	Ratio	Lower	Upper
43	100		
72	26.3	19.9	29.9



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 72.00 (71.70 to 72.70): VX0

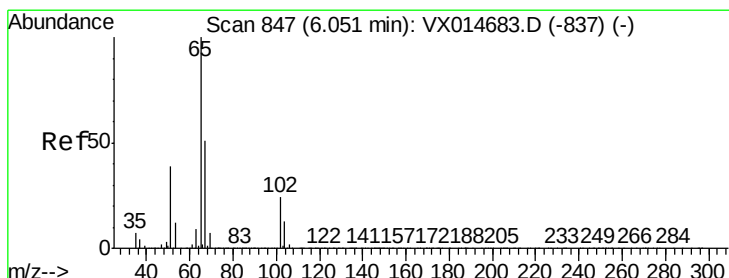
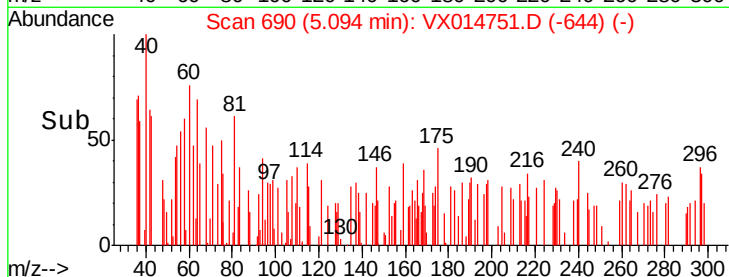
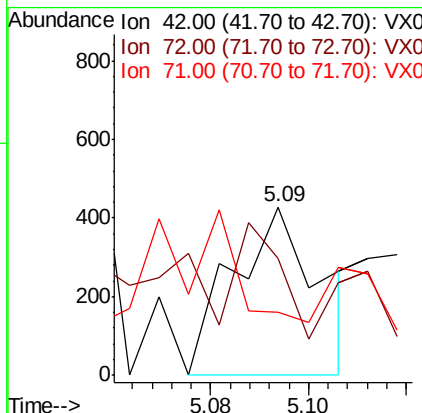
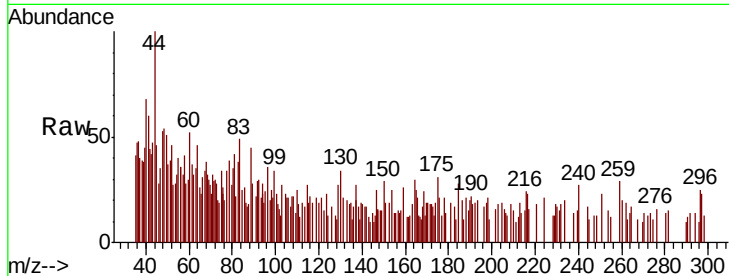




#29
Tetrahydrofuran
Concen: 0.220 ug/l
RT: 5.09 min Scan# 690
Delta R.T. -0.02 min
Lab File: VX014751.D
Acq: 28 Jan 2020 15:29

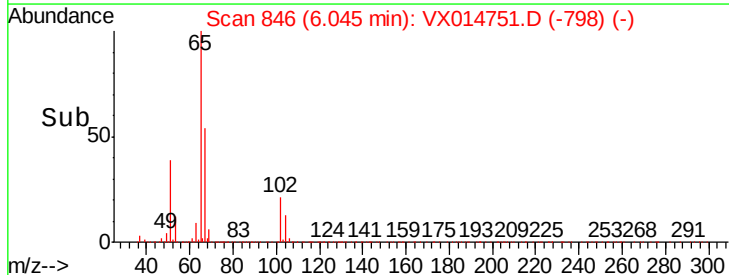
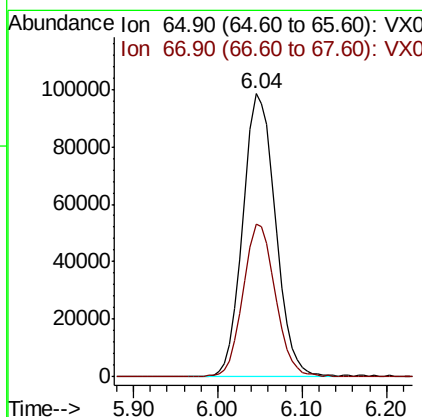
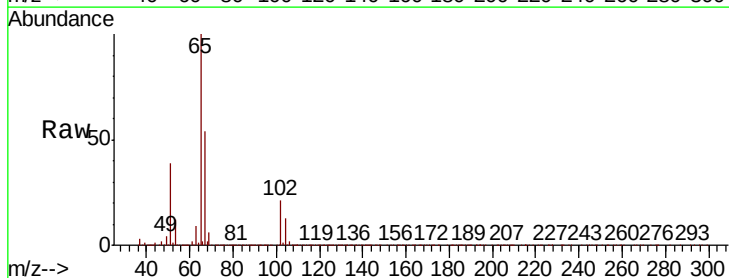
Instrument :
MSVOA_X
ClientSampled :

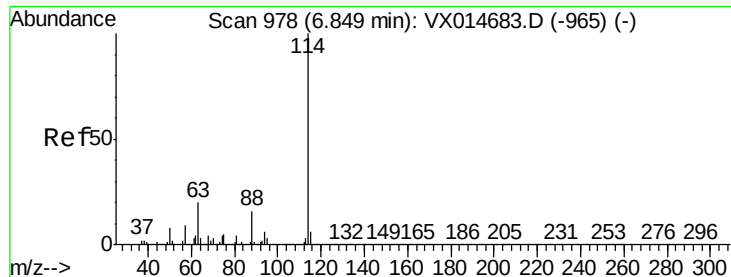
Tot Ion: 42 Resp: 528
Ion Ratio Lower Upper
42 100
72 34.8 35.3 52.9#
71 123.9 33.1 49.7#



#33
1,2-Dichloroethane-d4
Concen: 50.038 ug/l
RT: 6.04 min Scan# 846
Delta R.T. -0.01 min
Lab File: VX014751.D
Acq: 28 Jan 2020 15:29

Tgt Ion: 65 Resp: 258006
Ion Ratio Lower Upper
65 100
67 53.1 0.0 107.4

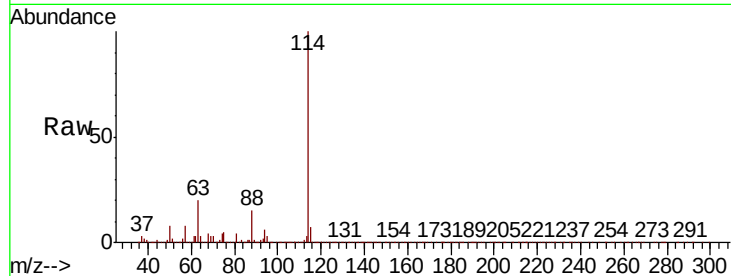




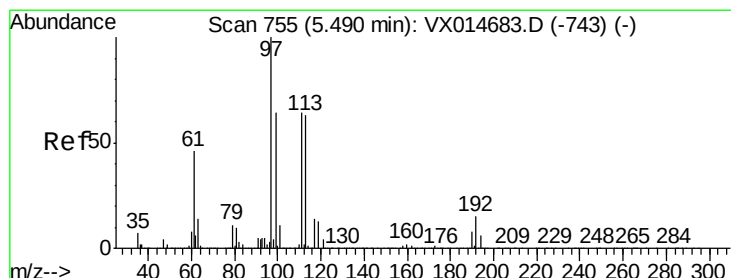
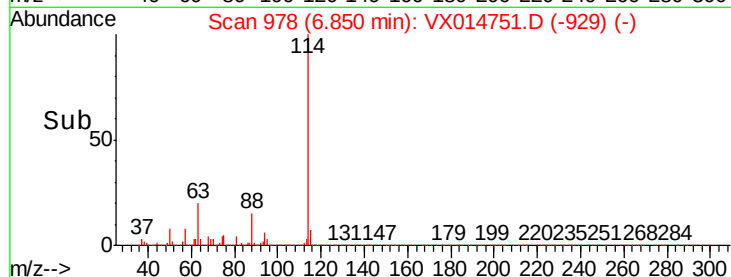
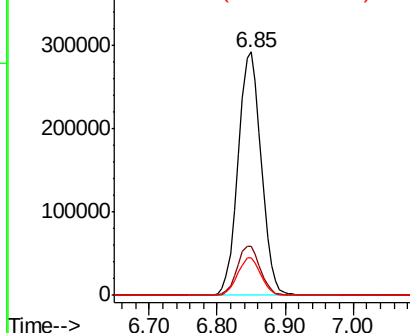
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX014751.D
 Acq: 28 Jan 2020 15:29

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	40.6
88	15.3	0.0	31.2

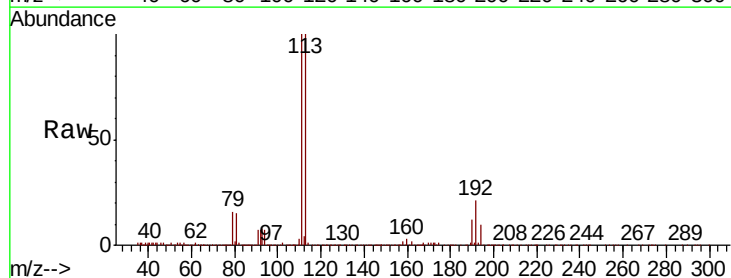


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

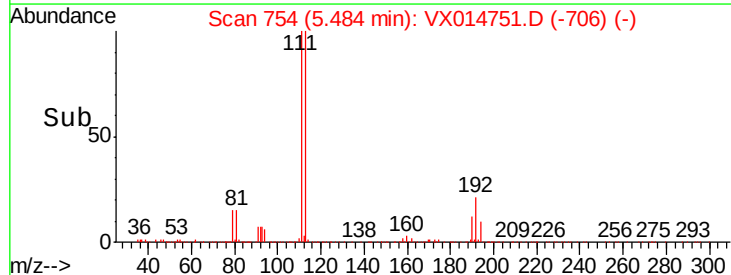
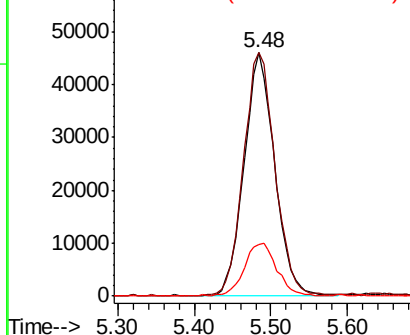


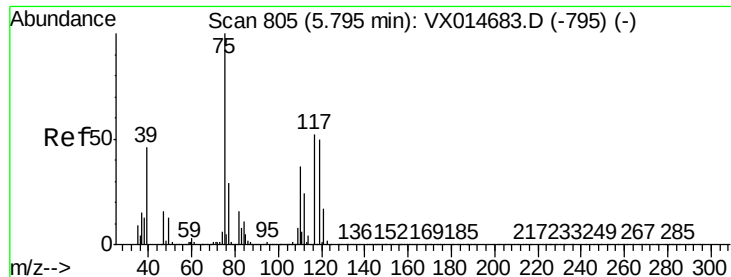
#35
 Dibromofluoromethane
 Concen: 29.382 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.01 min
 Lab File: VX014751.D
 Acq: 28 Jan 2020 15:29

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.6	80.7	121.1
192	23.2	18.5	27.7



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





#36

1,1-Dichloropropene

Concen: 4.684 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.15 min

Lab File: VX014751.D

Acq: 28 Jan 2020 15:29

Instrument :

MSVOA_X

ClientSampleId :

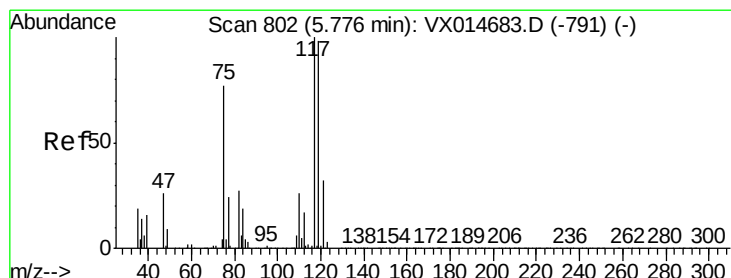
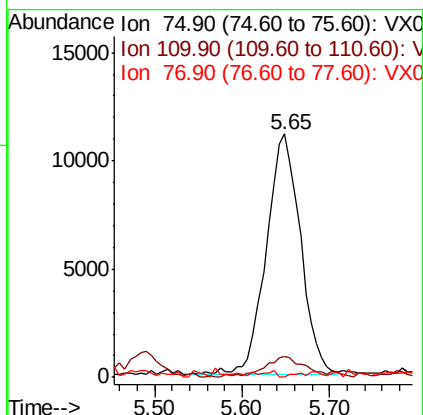
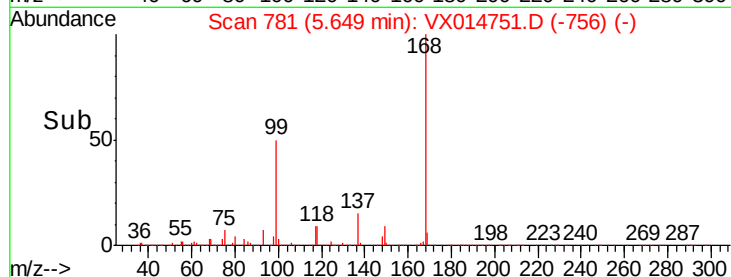
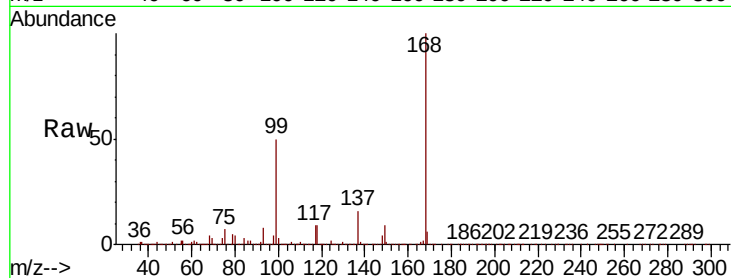
Tot Ion: 75 Resp: 30022

Ion Ratio Lower Upper

75 100

110 10.4 17.9 53.7#

77 0.0 24.1 36.1#



#38

Carbon Tetrachloride

Concen: 6.348 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX014751.D

Acq: 28 Jan 2020 15:29

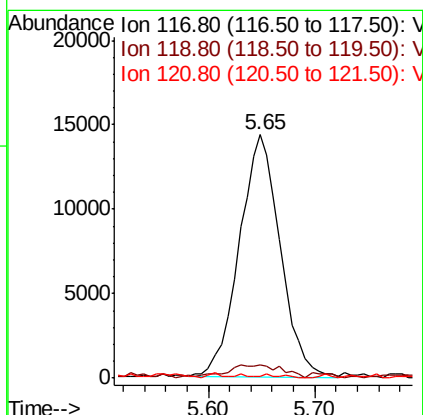
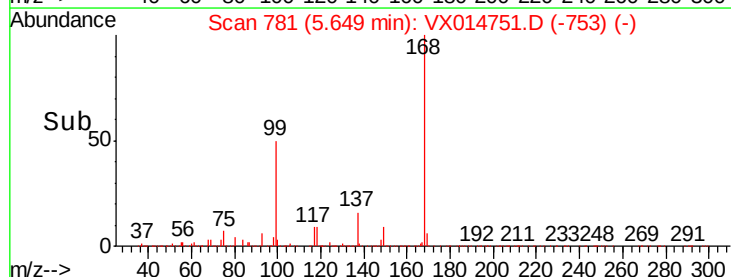
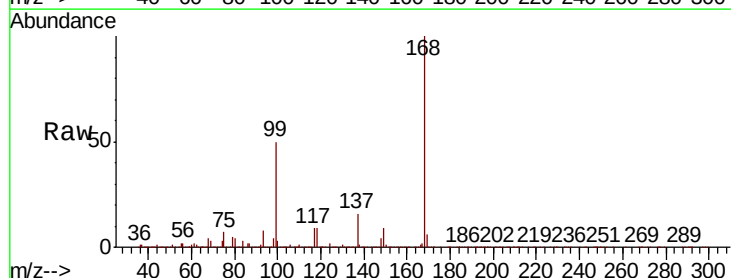
Tgt Ion: 117 Resp: 38860

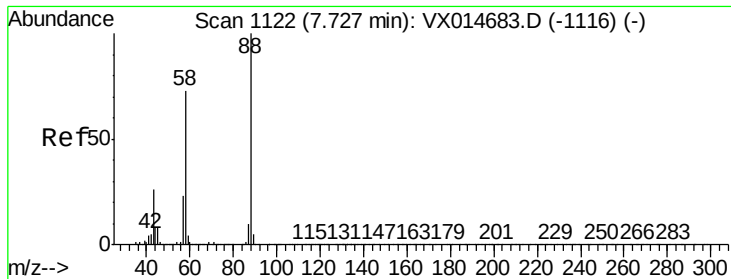
Ion Ratio Lower Upper

117 100

119 4.8 77.9 116.9#

121 0.8 25.4 38.2#





#49

1,4-Dioxane

Concen: 2.866 ug/l

RT: 7.75 min Scan# 1125

Delta R.T. 0.02 min

Lab File: VX014751.D

Acq: 28 Jan 2020 15:29

Instrument :
MSVOA_X
ClientSampleId :

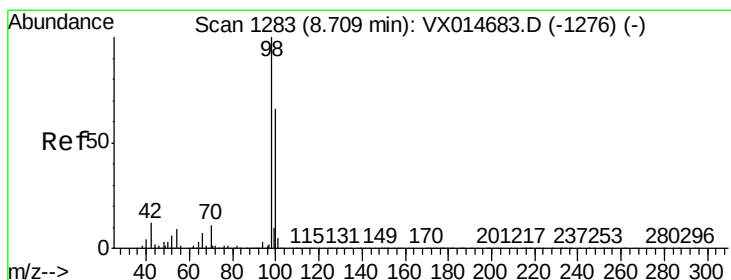
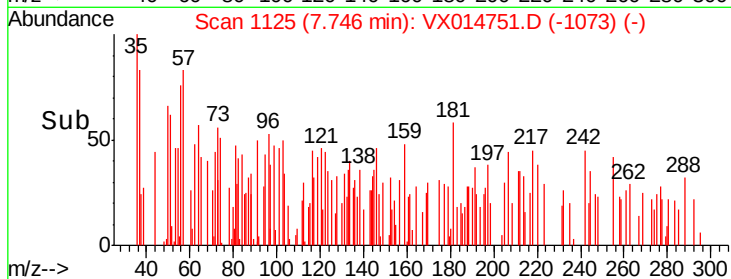
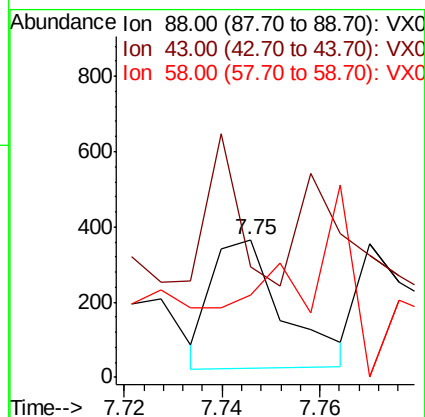
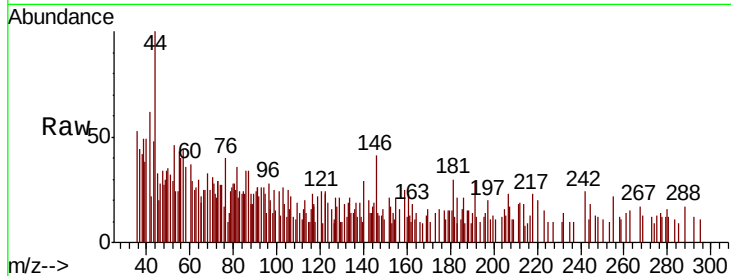
Tot Ion: 88 Resp: 349

Ion Ratio Lower Upper

88 100

43 49.6 26.2 39.2#

58 0.0 56.6 85.0#



#50

Toluene-d8

Concen: 49.374 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014751.D

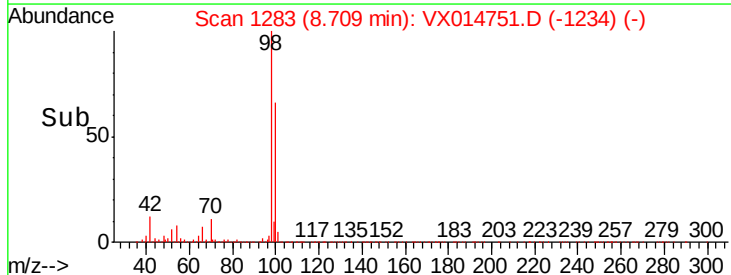
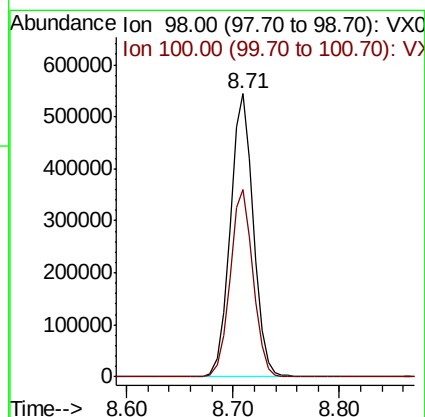
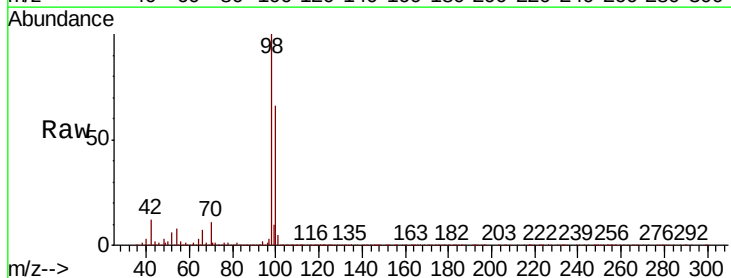
Acq: 28 Jan 2020 15:29

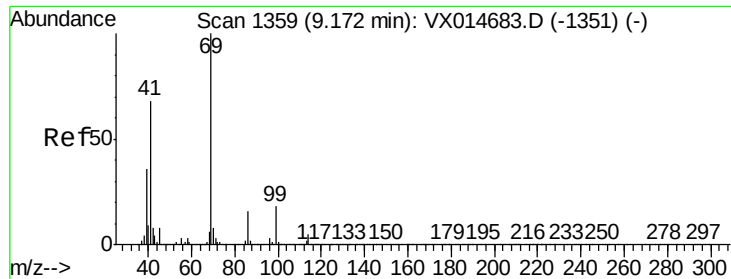
Tgt Ion: 98 Resp: 826186

Ion Ratio Lower Upper

98 100

100 65.8 53.0 79.6

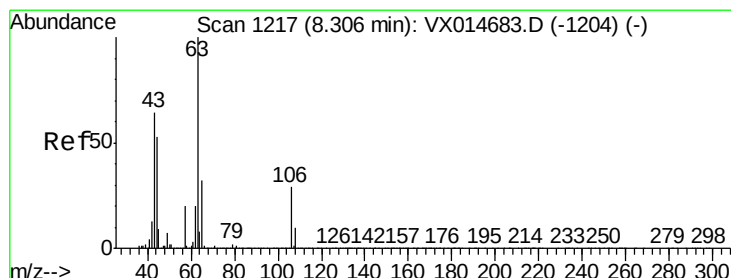
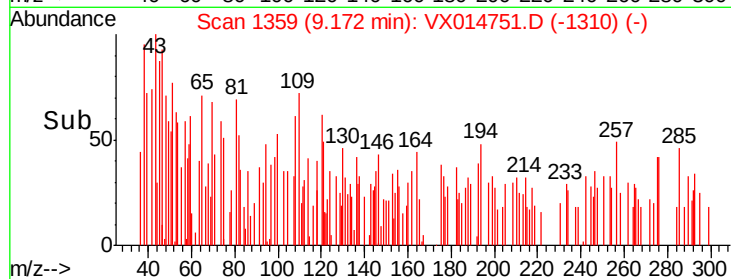
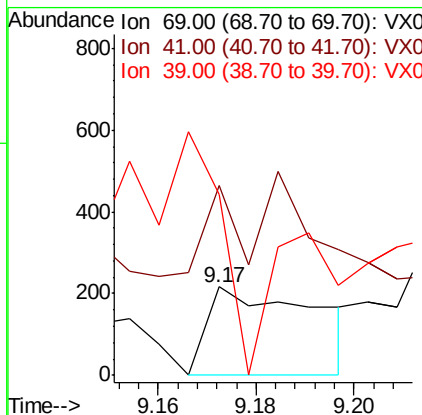
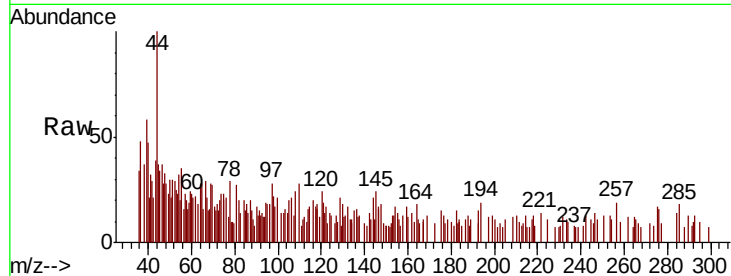




#56
Ethyl methacrylate
Concen: 1.822 ug/l
RT: 9.17 min Scan# 1359
Delta R.T. 0.00 min
Lab File: VX014751.D
Acq: 28 Jan 2020 15:29

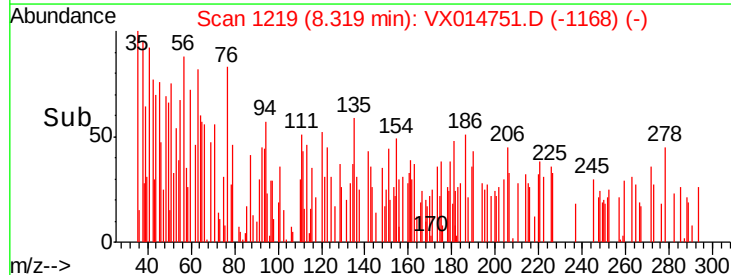
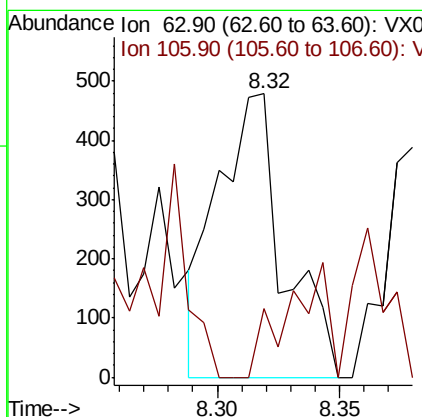
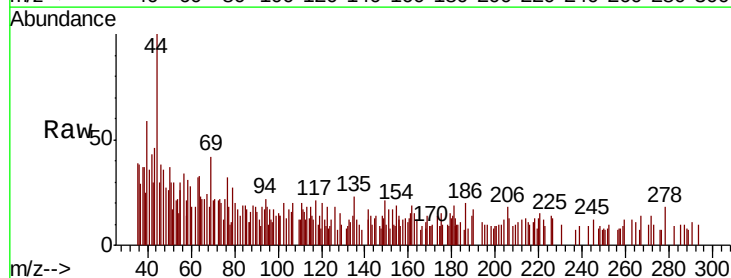
Instrument :
MSVOA_X
ClientSampled :

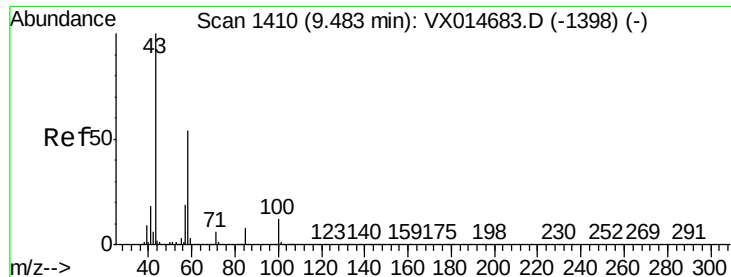
Tot Ion: 69 Resp: 330
Ion Ratio Lower Upper
69 100
41 0.0 54.9 82.3#
39 251.5 29.3 43.9#



#58
2-Chloroethyl Vinyl ether
Concen: 0.360 ug/l
RT: 8.32 min Scan# 1219
Delta R.T. 0.01 min
Lab File: VX014751.D
Acq: 28 Jan 2020 15:29

Tgt Ion: 63 Resp: 902
Ion Ratio Lower Upper
63 100
106 0.0 22.7 34.1#

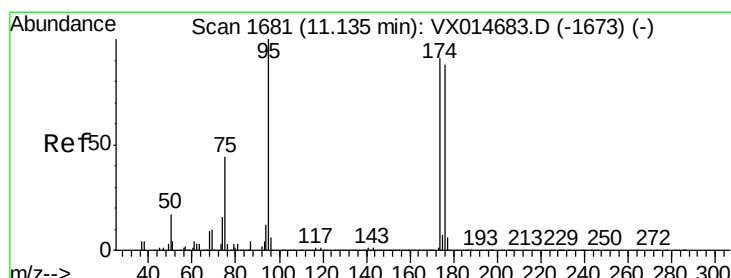
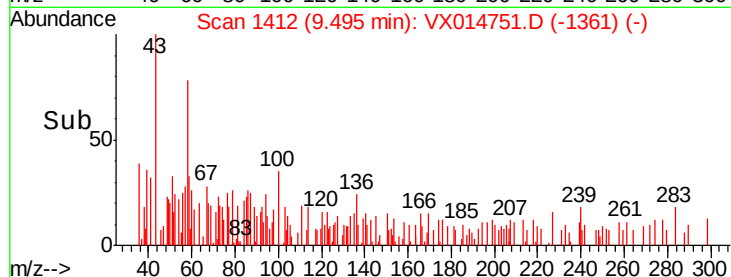
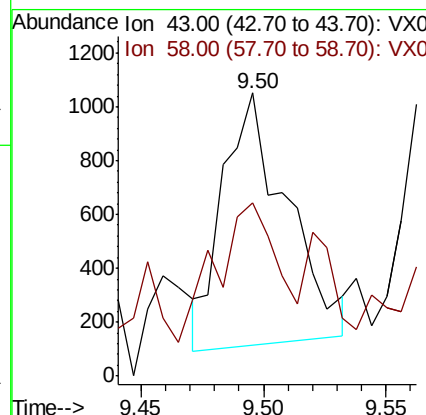
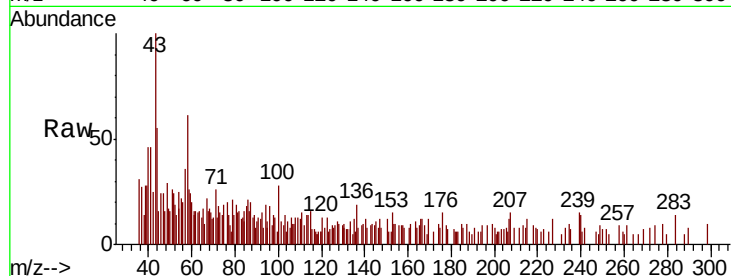




#59
2-Hexanone
Concen: 0.292 ug/l
RT: 9.50 min Scan# 1412
Delta R.T. 0.01 min
Lab File: VX014751.D
Acq: 28 Jan 2020 15:29

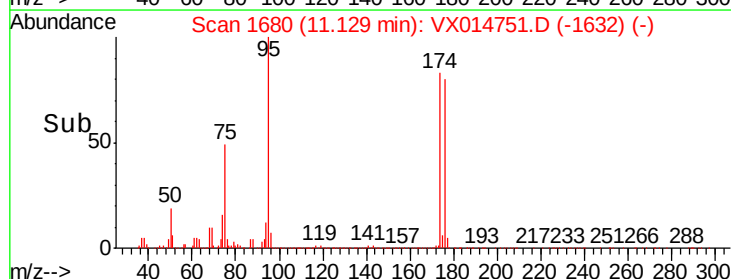
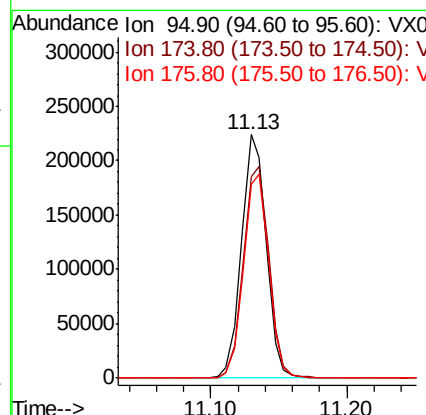
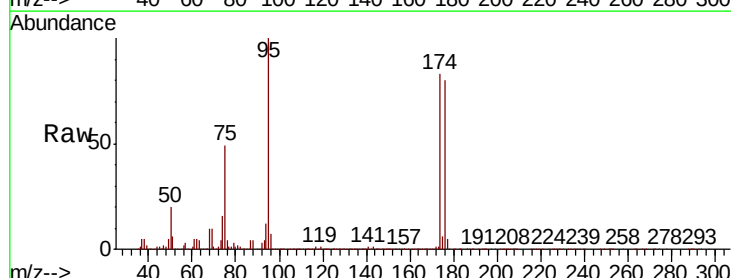
Instrument :
MSVOA_X
ClientSampled :

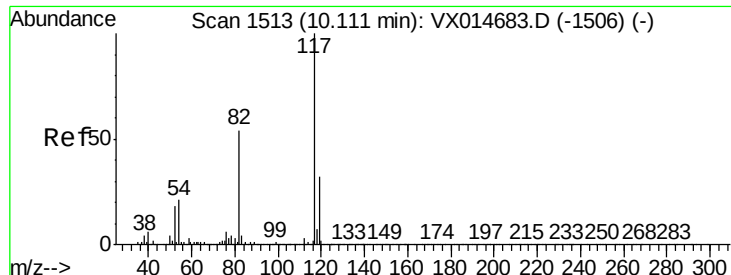
Tot Ion: 43 Resp: 1720
Ion Ratio Lower Upper
43 100
58 52.4 27.2 81.5



#62
4-Bromofluorobenzene
Concen: 47.417 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.01 min
Lab File: VX014751.D
Acq: 28 Jan 2020 15:29

Tgt Ion: 95 Resp: 282640
Ion Ratio Lower Upper
95 100
174 90.6 0.0 176.0
176 86.1 0.0 172.2

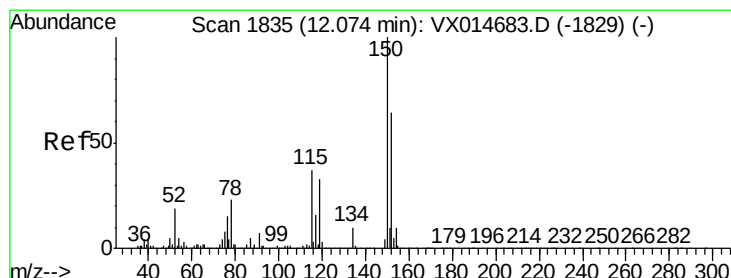
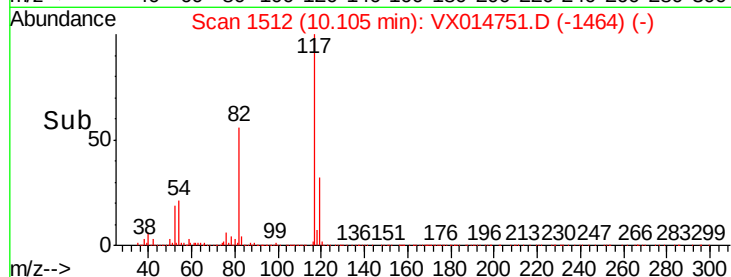
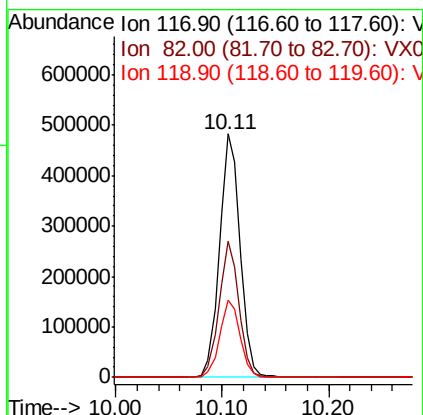
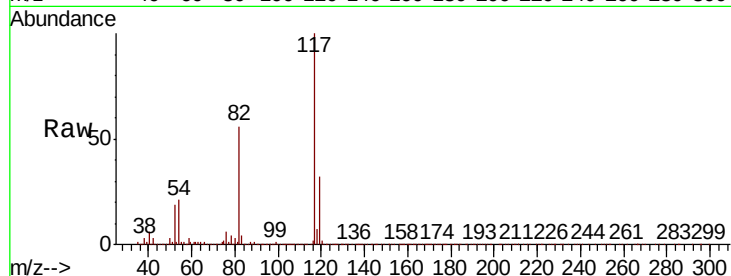




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX014751.D
Acq: 28 Jan 2020 15:29

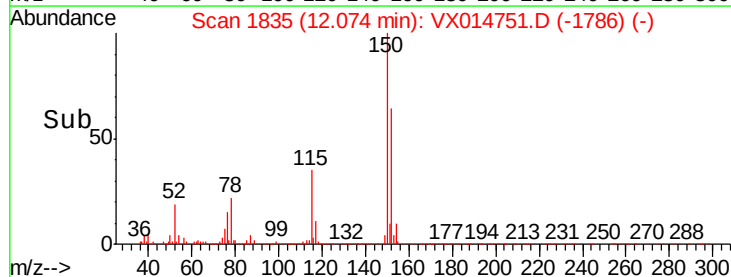
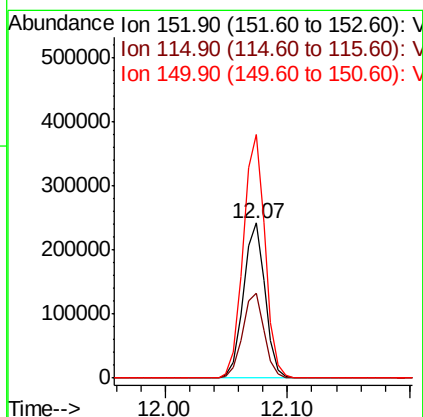
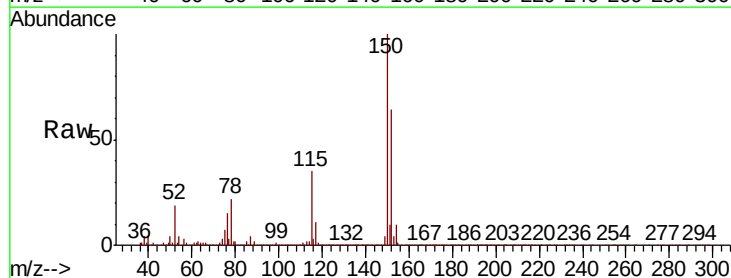
Instrument :
MSVOA_X
ClientSampleId :

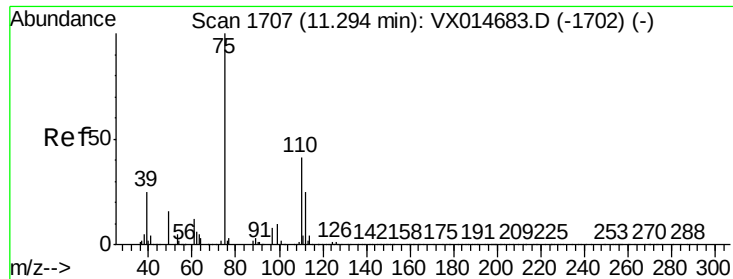
Tot Ion	Ratio	Lower	Upper
117	100		
82	55.8	43.2	64.8
119	31.6	25.8	38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX014751.D
Acq: 28 Jan 2020 15:29

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.0	39.4	118.1
150	157.5	0.0	351.2





#76

1,2,3-Trichloropropane

Concen: 20.640 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014751.D

Acq: 28 Jan 2020 15:29

Instrument :

MSVOA_X

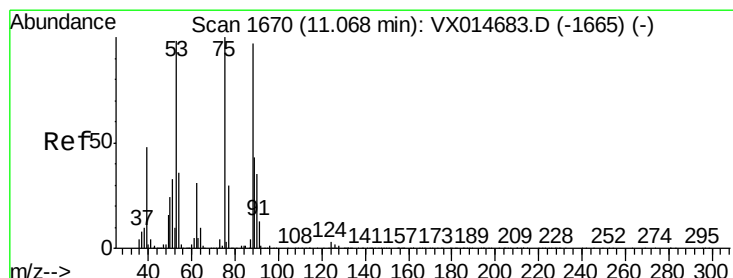
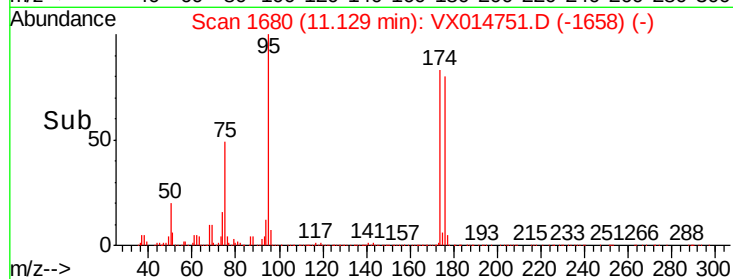
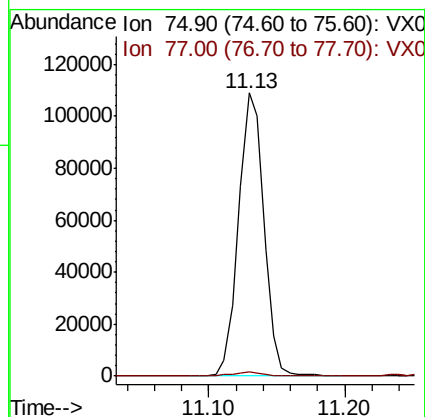
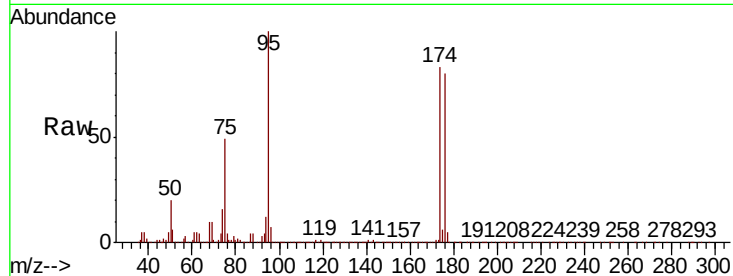
ClientSampleId :

Tot Ion: 75 Resp: 141230

Ion Ratio Lower Upper

75 100

77 1.7 18.7 56.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 58.738 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014751.D

Acq: 28 Jan 2020 15:29

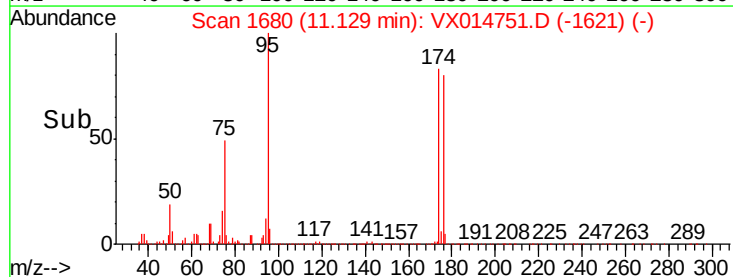
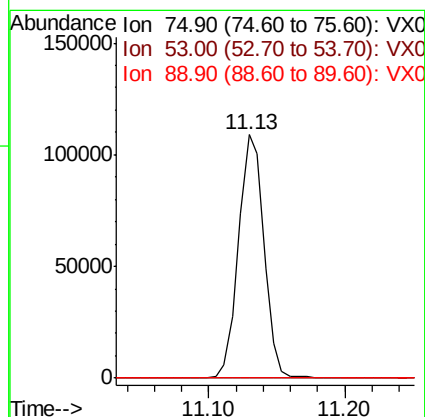
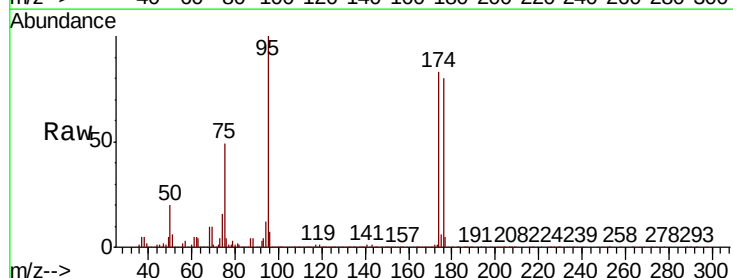
Tgt Ion: 75 Resp: 141230

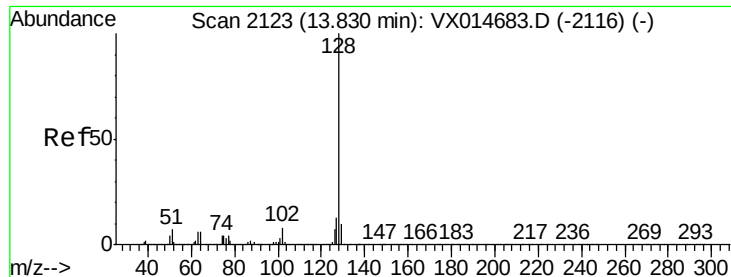
Ion Ratio Lower Upper

75 100

53 0.3 78.8 118.2#

89 0.3 35.4 53.0#

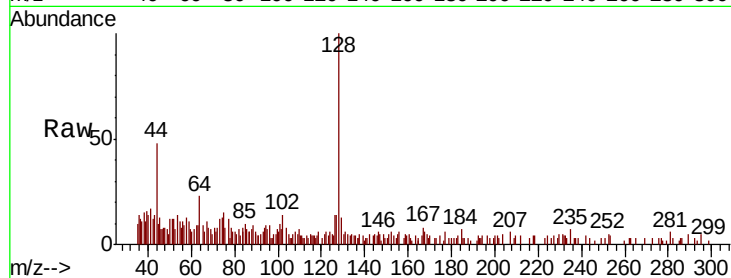




#95
Naphthalene
Concen: 1.063 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX014751.D
Acq: 28 Jan 2020 15:29

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	33.6	10.3	15.5#
129	7.9	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

