

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX012820\
 Data File : VX014741.D
 Acq On : 28 Jan 2020 10:52
 Operator : JC/SP
 Sample : VX0128WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 28 23:16:10 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	435109	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	684921	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	626284	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	284569	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	259848	51.14	ug/l	0.00
Spiked Amount			Recovery	=	102.28%	
35) Dibromofluoromethane	5.48	113	214743	49.69	ug/l	0.00
Spiked Amount			Recovery	=	99.38%	
50) Toluene-d8	8.71	98	819067	49.30	ug/l	0.00
Spiked Amount			Recovery	=	98.60%	
62) 4-Bromofluorobenzene	11.13	95	275062	46.47	ug/l	0.00
Spiked Amount			Recovery	=	92.94%	

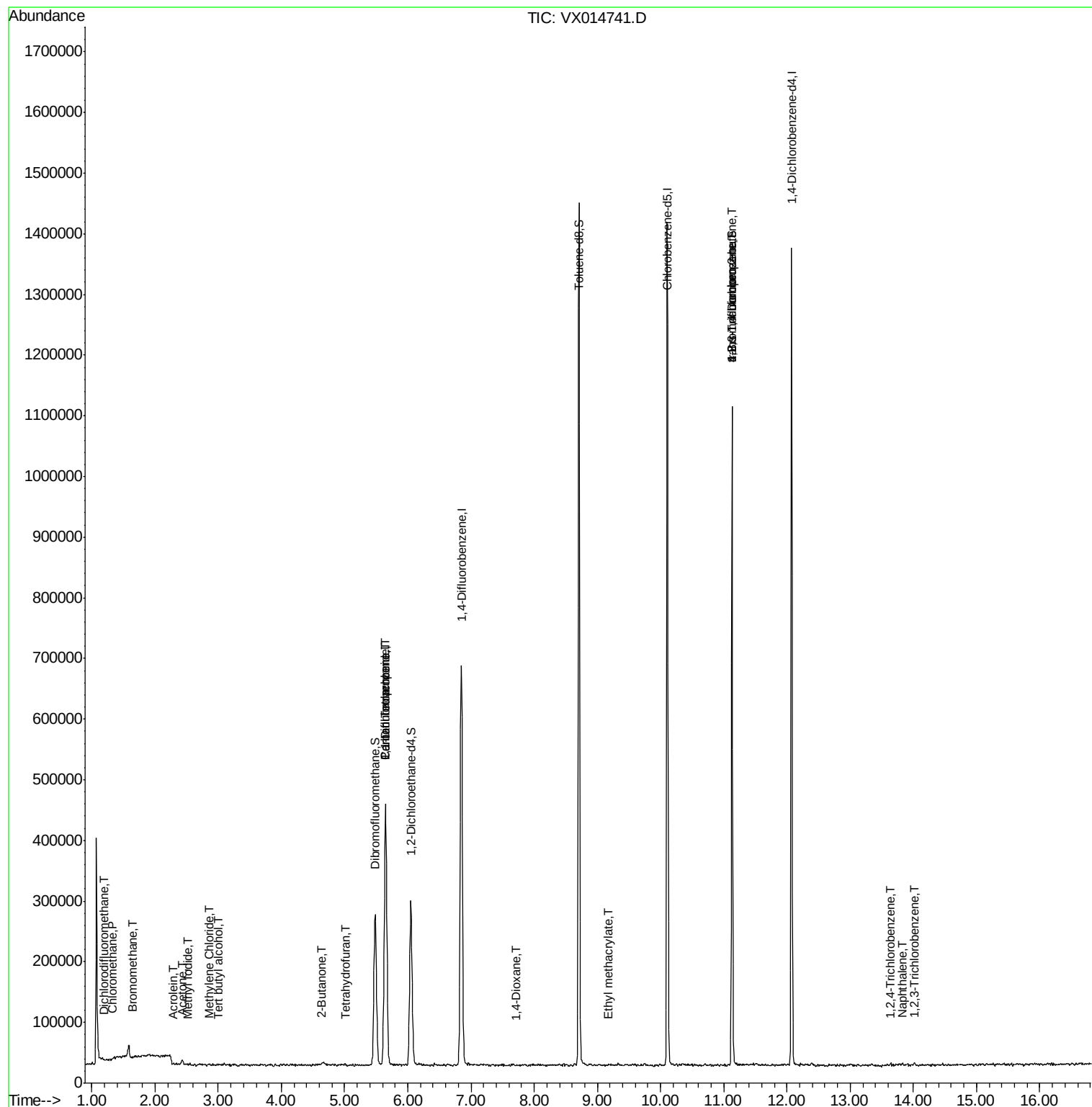
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	128	0.553	ug/l #	66
3) Chloromethane	1.32	50	1302	0.221	ug/l #	42
5) Bromomethane	1.64	94	1743	0.403	ug/l #	66
6) Chloroethane	1.70	64	318	Below Cal	#	43
10) Methyl Iodide	2.52	142	1252	0.219	ug/l #	43
11) Tert butyl alcohol	3.01	59	1715	1.503	ug/l #	86
13) Acrolein	2.28	56	556	0.618	ug/l #	70
16) Acetone	2.43	43	9211	3.456	ug/l #	83
20) Methylene Chloride	2.84	84	2118	0.411	ug/l #	76
25) 2-Butanone	4.63	43	839	0.210	ug/l #	63
29) Tetrahydrofuran	5.01	42	734	0.310	ug/l	90
36) 1,1-Dichloropropene	5.64	75	32544	5.114	ug/l #	52
38) Carbon Tetrachloride	5.64	117	39193	6.448	ug/l #	16
41) Methacrylonitrile	5.04	41	909	Below Cal	#	43
49) 1,4-Dioxane	7.71	88	225	1.861	ug/l #	23
56) Ethyl methacrylate	9.18	69	282	1.817	ug/l #	22
76) 1,2,3-Trichloropropane	11.13	75	134989	20.389	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	134989	58.023	ug/l #	10
93) 1,2,4-Trichlorobenzene	13.64	180	1499	0.242	ug/l	80
95) Naphthalene	13.83	128	3374	1.098	ug/l #	89
96) 1,2,3-Trichlorobenzene	14.02	180	1288	0.206	ug/l	95

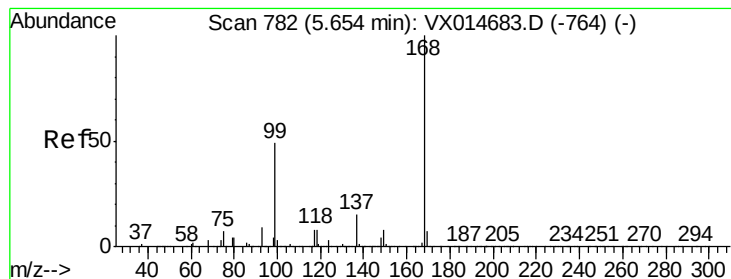
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX012820\
Data File : VX014741.D
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Misc : 5.0mL/MSVOA X/WATER
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Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Jan 28 23:16:10 2020
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: VX014741.D

Acq: 28 Jan 2020 10:52

Instrument :

MSVOA_X

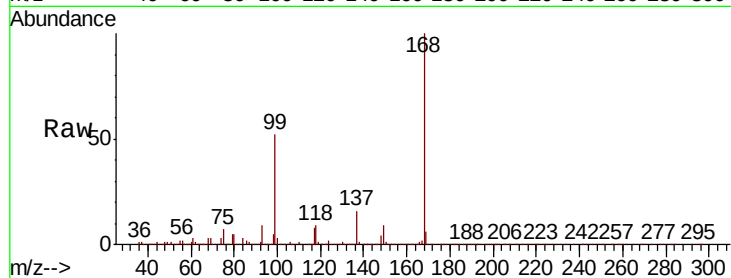
ClientSampleId :

Tot Ion:168 Resp: 435109

Ion Ratio Lower Upper

168 100

99 52.5 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

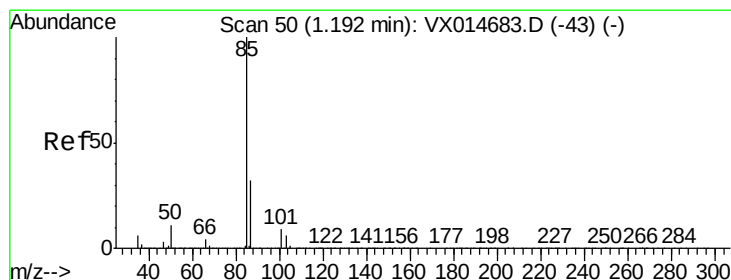
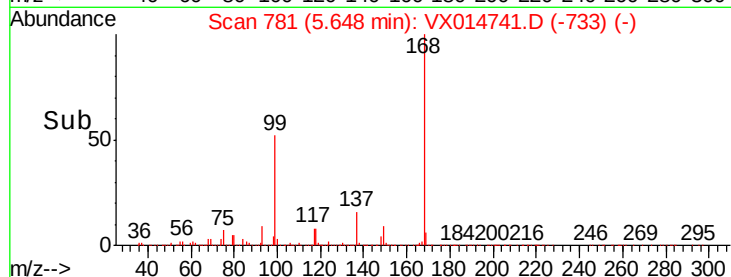
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 0.553 ug/l

RT: 1.20 min Scan# 52

Delta R.T. 0.01 min

Lab File: VX014741.D

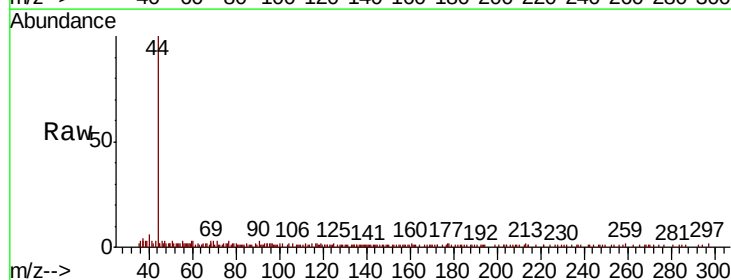
Acq: 28 Jan 2020 10:52

Tgt Ion: 85 Resp: 128

Ion Ratio Lower Upper

85 100

87 13.5 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

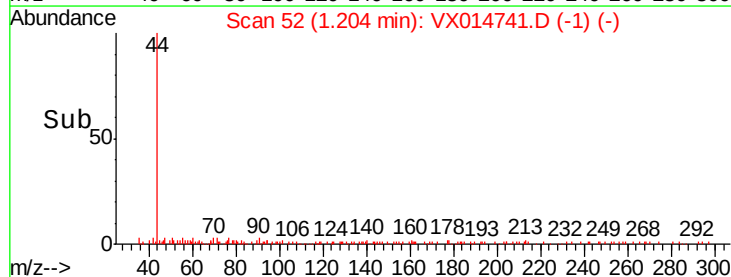
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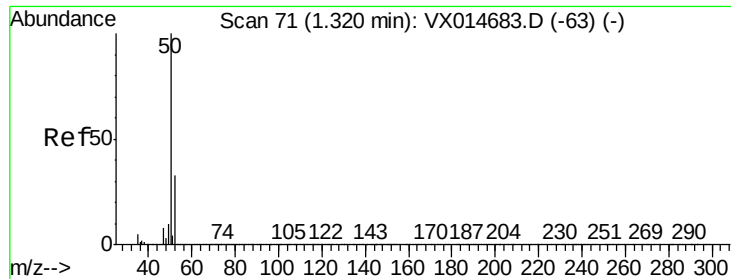
100

0

Time-->

1.18 1.20 1.22





#3

Chloromethane

Concen: 0.221 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX014741.D

Acq: 28 Jan 2020 10:52

Instrument :

MSVOA_X

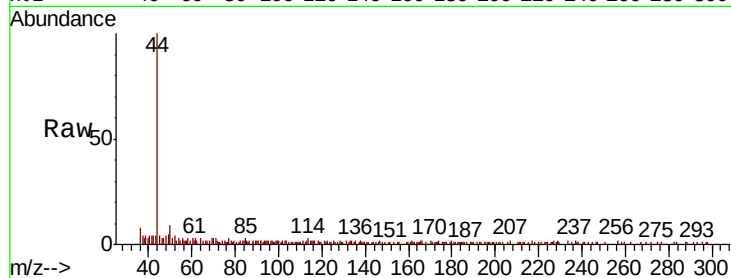
ClientSampled :

Tot Ion: 50 Resp: 1302

Ion Ratio Lower Upper

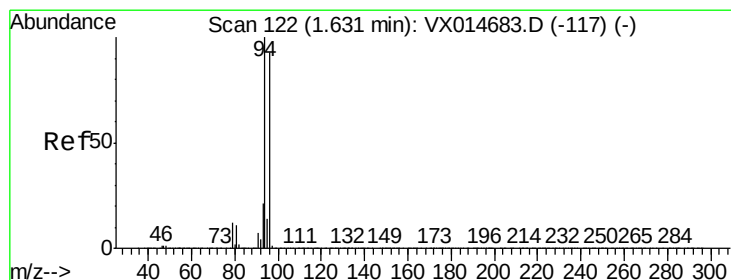
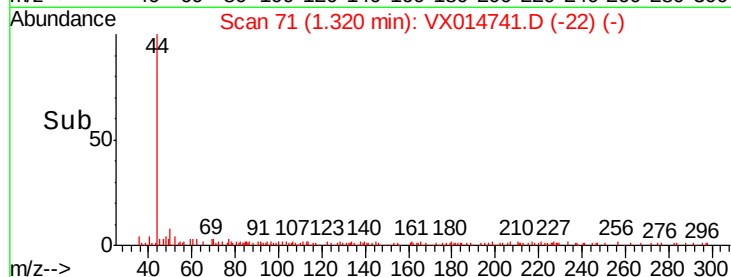
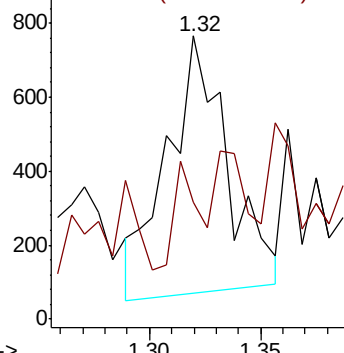
50 100

52 0.0 26.2 39.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#5

Bromomethane

Concen: 0.403 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.01 min

Lab File: VX014741.D

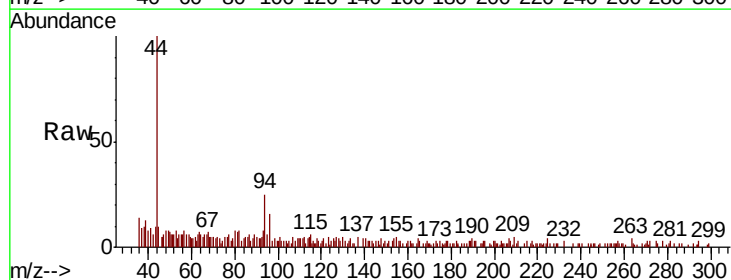
Acq: 28 Jan 2020 10:52

Tgt Ion: 94 Resp: 1743

Ion Ratio Lower Upper

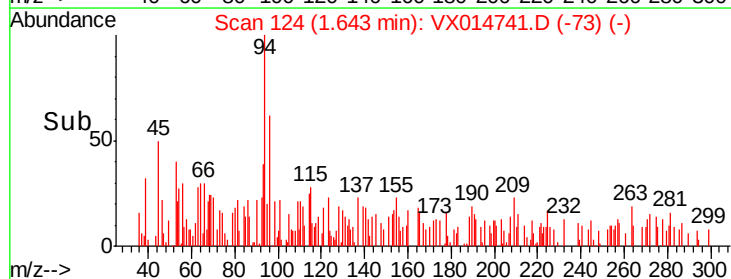
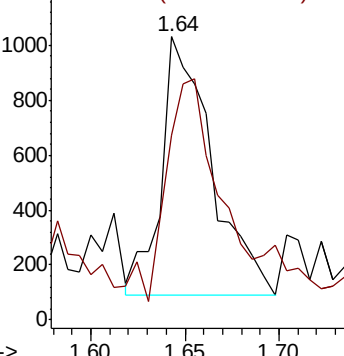
94 100

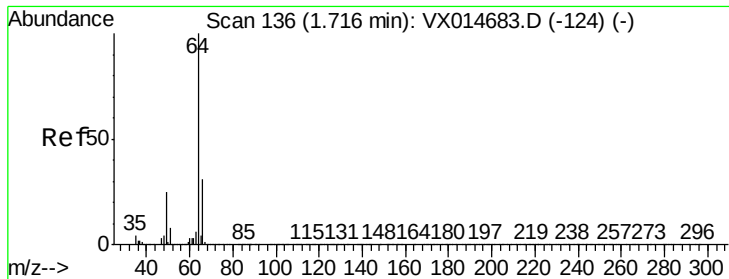
96 61.0 74.7 112.1#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 133

Delta R.T. -0.02 min

Lab File: VX014741.D

Acq: 28 Jan 2020 10:52

Instrument :

MSVOA_X

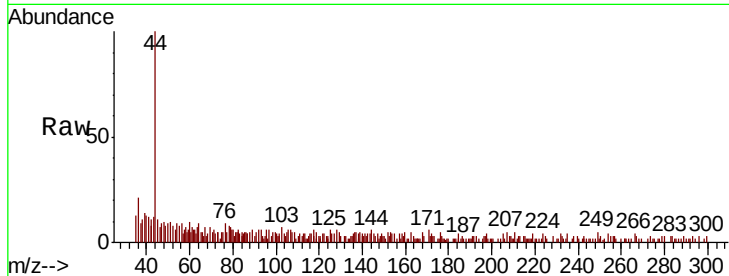
ClientSampled :

Tot Ion: 64 Resp: 318

Ion Ratio Lower Upper

64 100

66 0.0 25.2 37.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.70

600

500

400

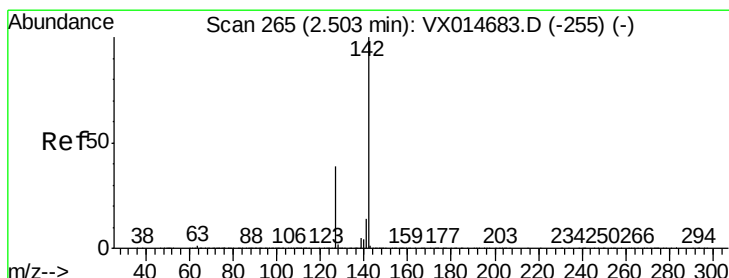
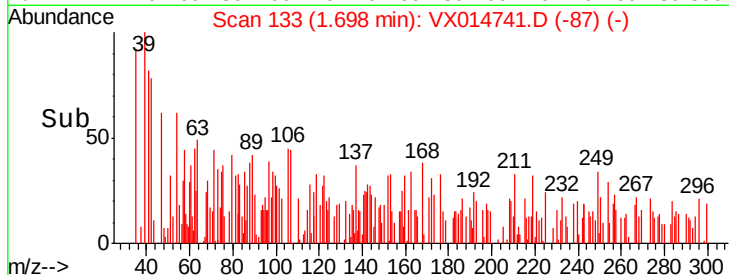
300

200

100

0

Time-->



#10

Methyl Iodide

Concen: 0.219 ug/l

RT: 2.52 min Scan# 268

Delta R.T. 0.02 min

Lab File: VX014741.D

Acq: 28 Jan 2020 10:52

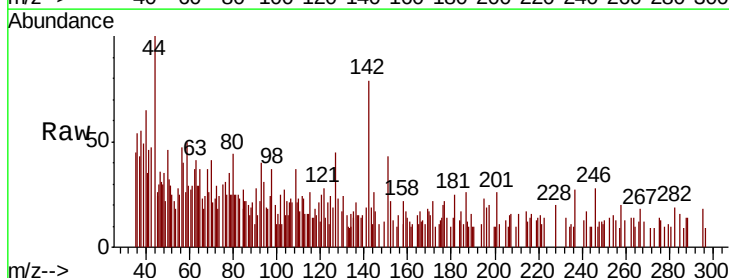
Tgt Ion: 142 Resp: 1252

Ion Ratio Lower Upper

142 100

127 0.0 31.1 46.7#

141 29.6 11.3 16.9#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

600

500

400

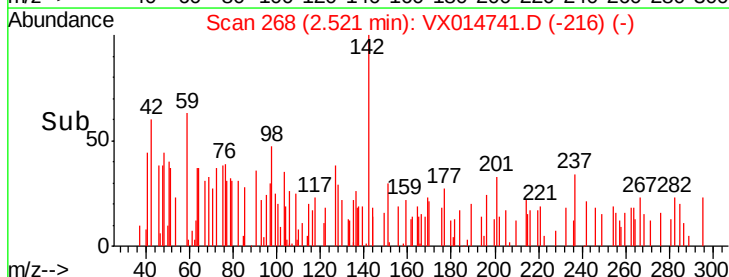
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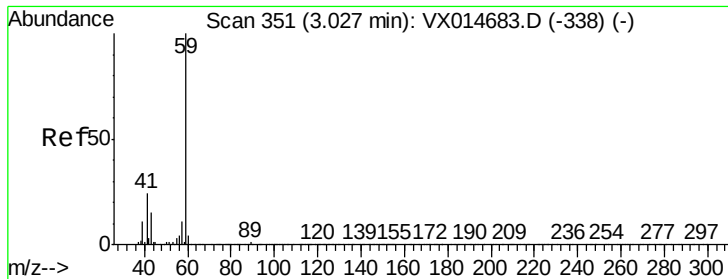
200

100

0

Time-->



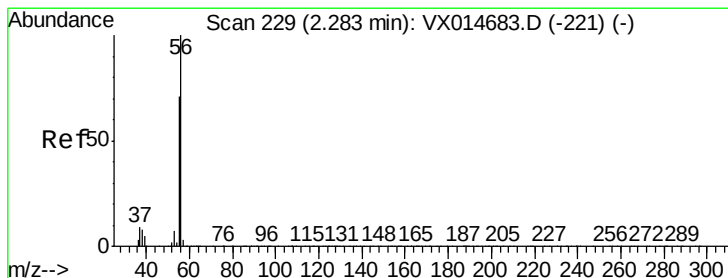
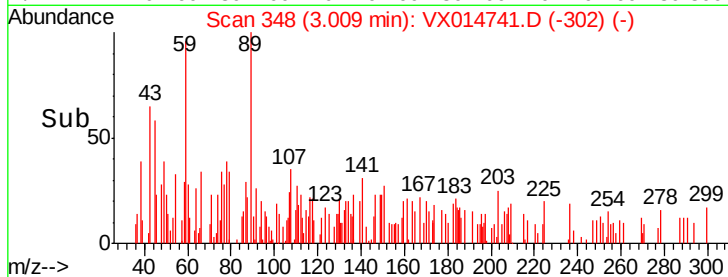
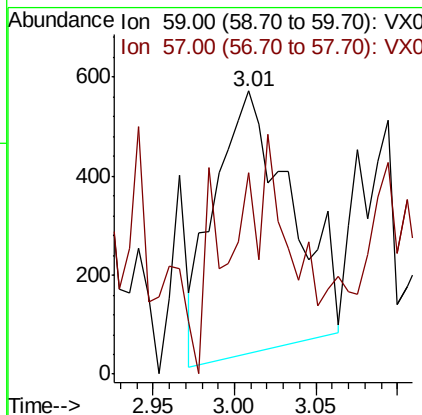
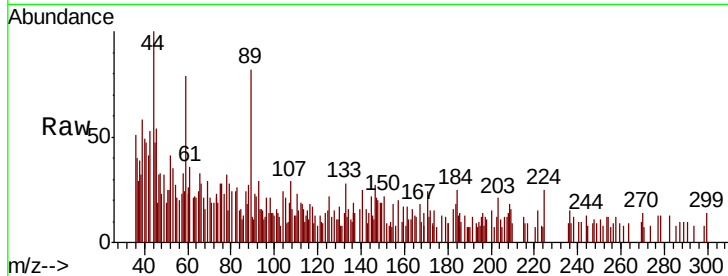


#11

Tert butyl alcohol
 Concen: 1.503 ug/l
 RT: 3.01 min Scan# 348
 Delta R.T. -0.02 min
 Lab File: VX014741.D
 Acq: 28 Jan 2020 10:52

Instrument :
 MSVOA_X
 ClientSampled :

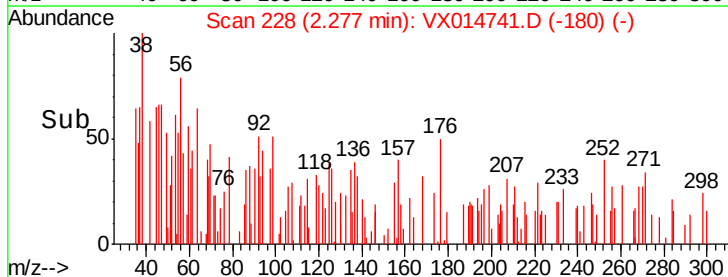
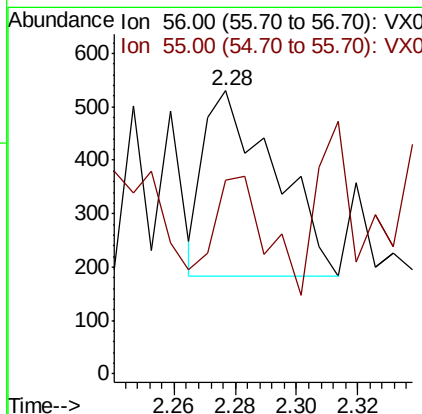
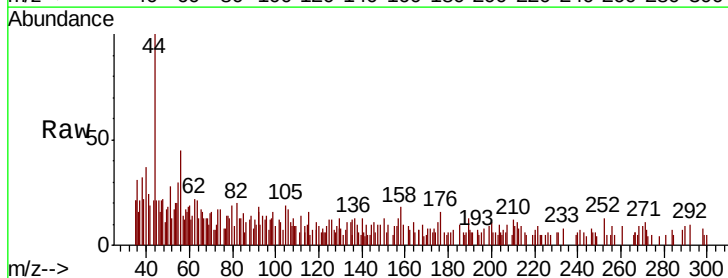
Tot Ion: 59 Resp: 1715
 Ion Ratio Lower Upper
 59 100
 57 5.2 8.3 12.5#

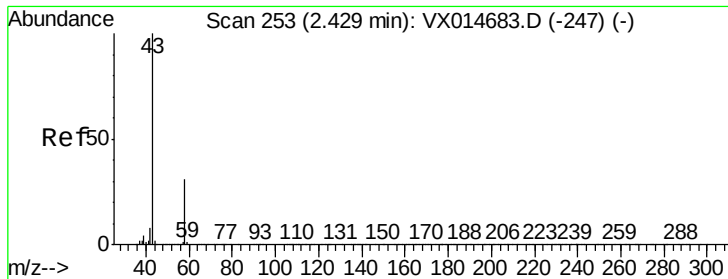


#13

Acrolein
 Concen: 0.618 ug/l
 RT: 2.28 min Scan# 228
 Delta R.T. -0.01 min
 Lab File: VX014741.D
 Acq: 28 Jan 2020 10:52

Tgt Ion: 56 Resp: 556
 Ion Ratio Lower Upper
 56 100
 55 46.2 56.6 84.8#

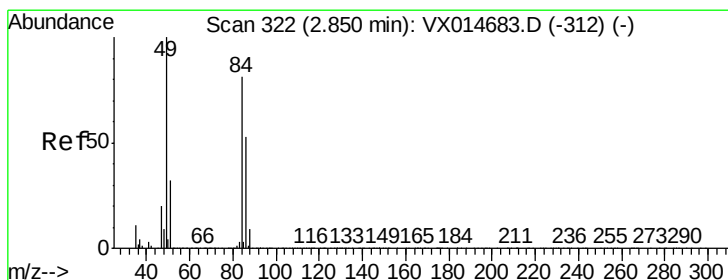
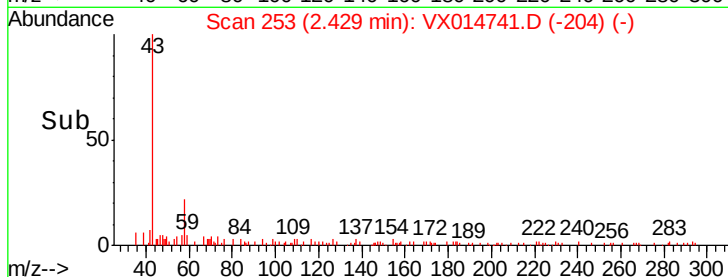
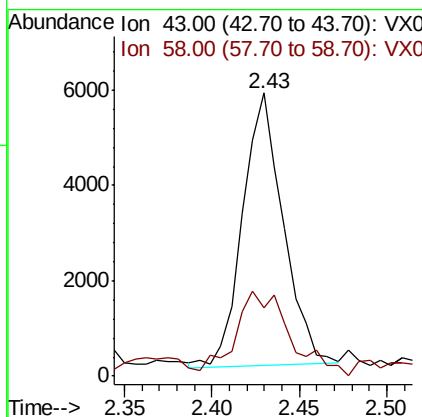
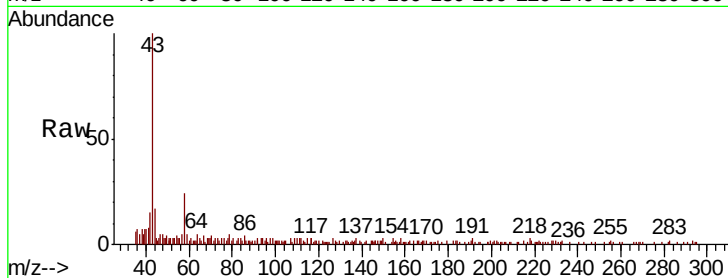




#16
Acetone
Concen: 3.456 ug/l
RT: 2.43 min Scan# 253
Delta R.T. 0.00 min
Lab File: VX014741.D
Acq: 28 Jan 2020 10:52

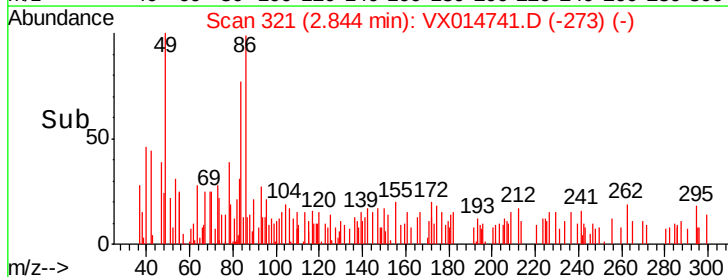
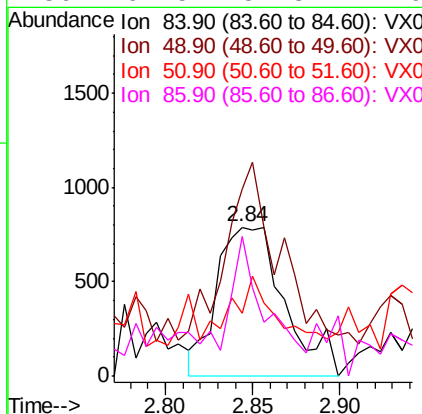
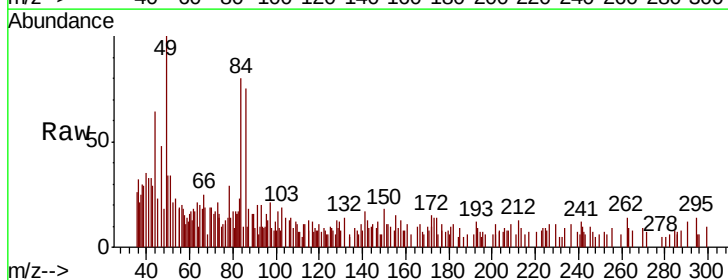
Instrument :
MSVOA_X
ClientSampleId :

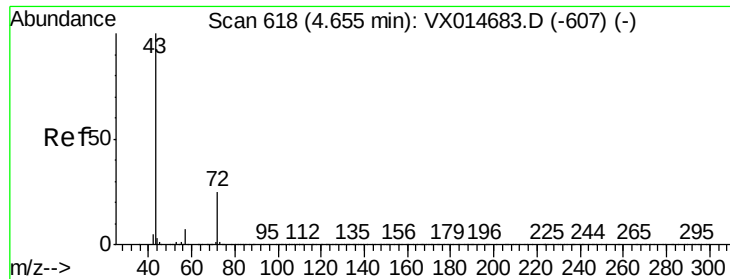
Tot Ion: 43 Resp: 9211
Ion Ratio Lower Upper
43 100
58 21.3 24.5 36.7#



#20
Methylene Chloride
Concen: 0.411 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.01 min
Lab File: VX014741.D
Acq: 28 Jan 2020 10:52

Tgt Ion: 84 Resp: 2118
Ion Ratio Lower Upper
84 100
49 95.1 98.2 147.4#
51 0.0 31.3 46.9#
86 64.5 51.8 77.6





#25

2-Butanone

Concen: 0.210 ug/l

RT: 4.63 min Scan# 614

Delta R.T. -0.02 min

Lab File: VX014741.D

Acq: 28 Jan 2020 10:52

Instrument :

MSVOA_X

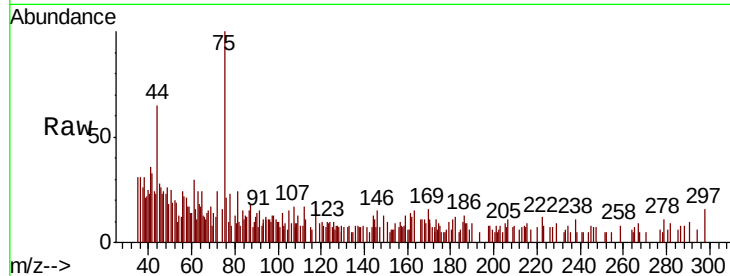
ClientSampled :

Tot Ion: 43 Resp: 839

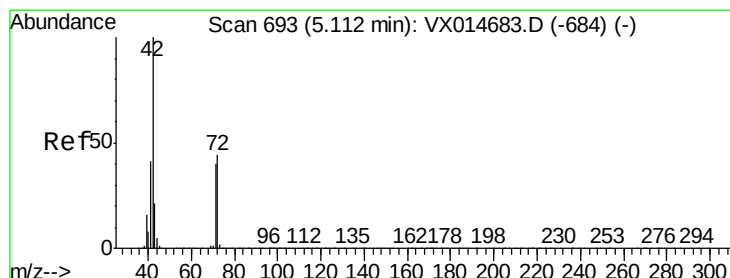
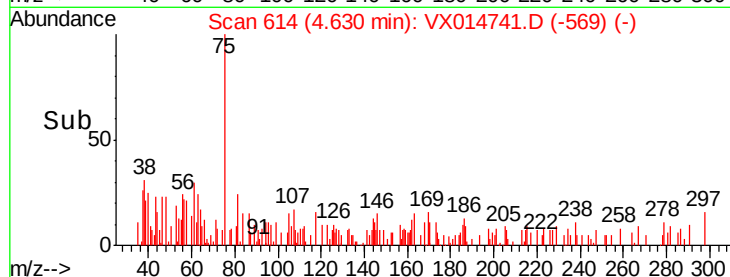
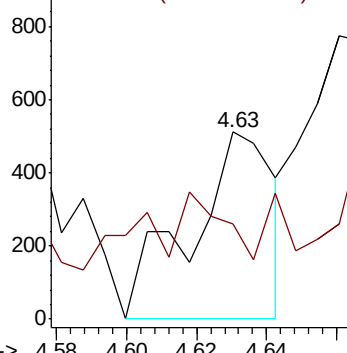
Ion Ratio Lower Upper

43 100

72 6.4 19.9 29.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0



#29

Tetrahydrofuran

Concen: 0.310 ug/l

RT: 5.01 min Scan# 676

Delta R.T. -0.10 min

Lab File: VX014741.D

Acq: 28 Jan 2020 10:52

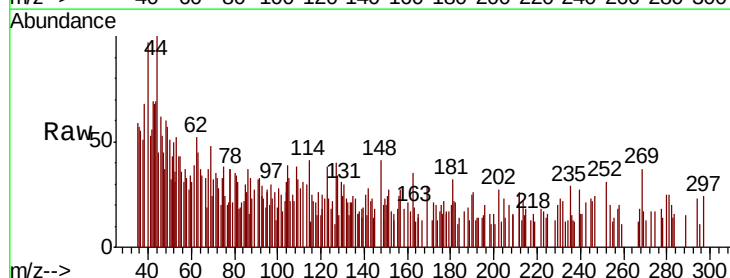
Tgt Ion: 42 Resp: 734

Ion Ratio Lower Upper

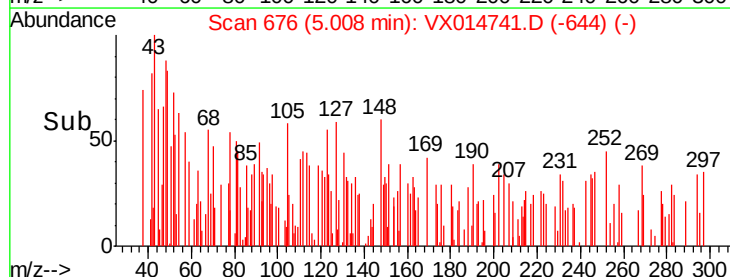
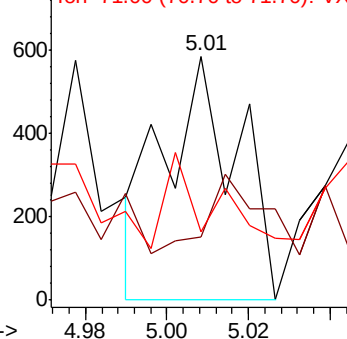
42 100

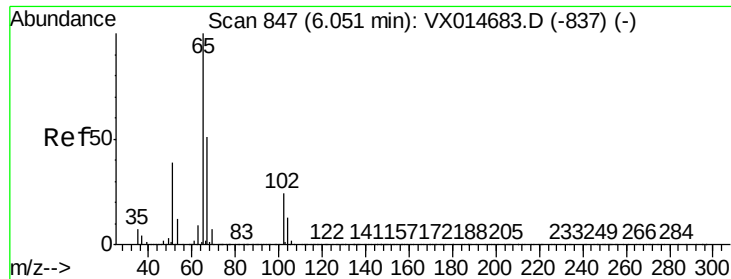
72 37.9 35.3 52.9

71 34.3 33.1 49.7



Abundance Ion 42.00 (41.70 to 42.70): VX0

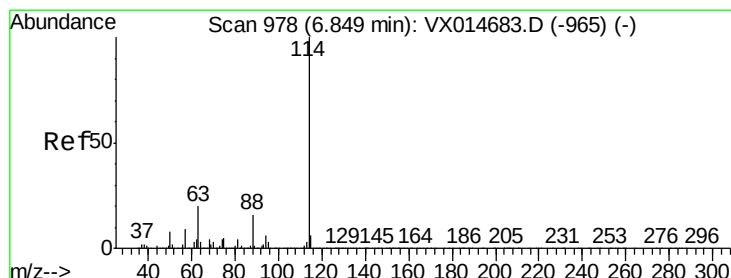
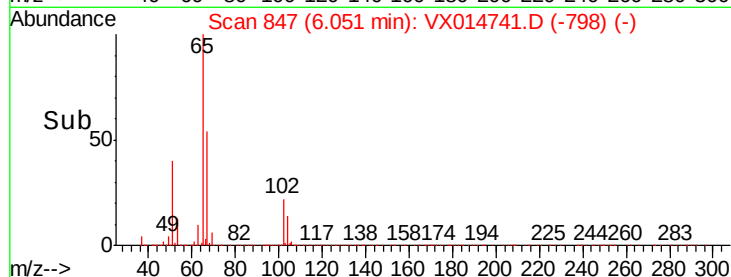
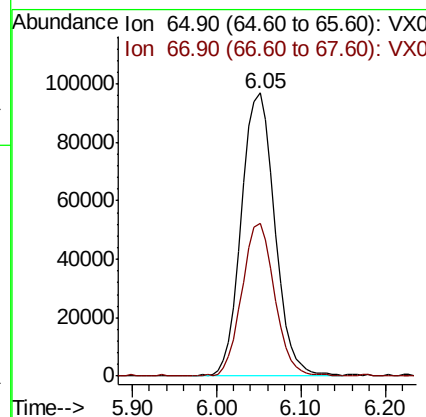
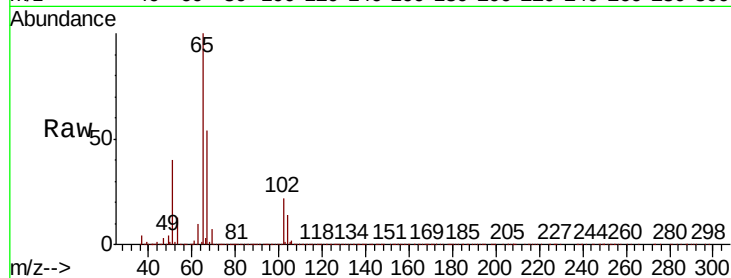




#33
 1,2-Dichloroethane-d4
 Concen: 51.141 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX014741.D
 Acq: 28 Jan 2020 10:52

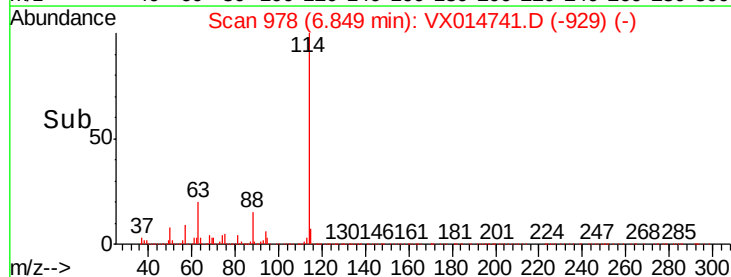
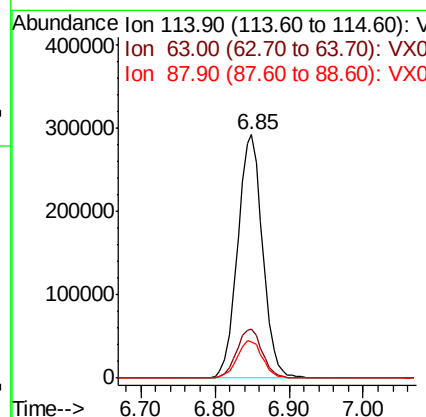
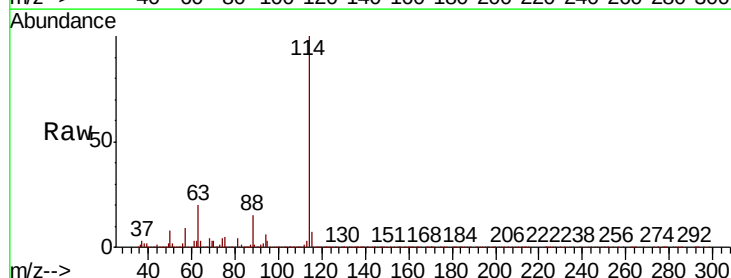
Instrument :
 MSVOA_X
 ClientSampled :

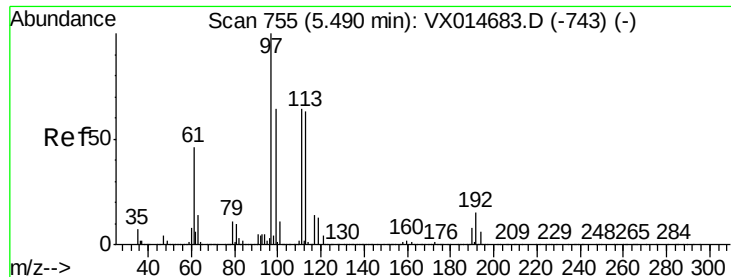
Tot Ion: 65 Resp: 259848
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX014741.D
 Acq: 28 Jan 2020 10:52

Tgt Ion: 114 Resp: 684921
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 40.6
 88 15.0 0.0 31.2

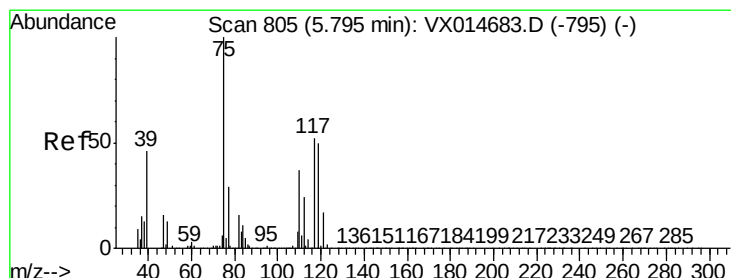
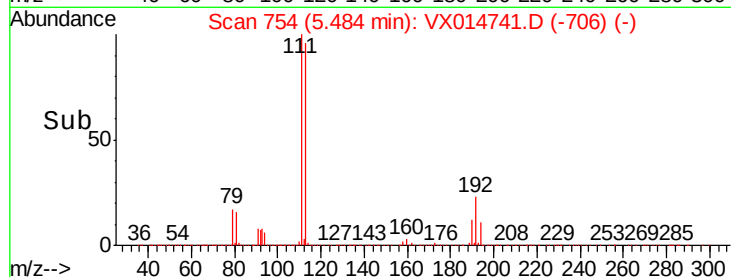
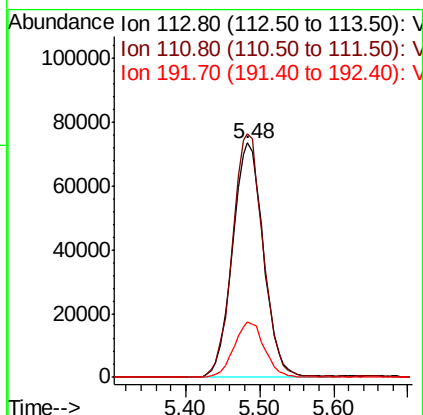
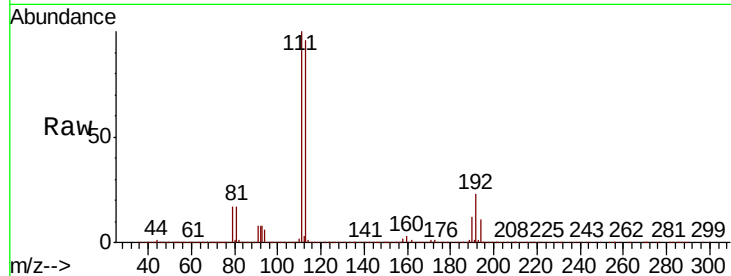




#35
Dibromofluoromethane
Concen: 49.688 ug/l
RT: 5.48 min Scan# 754
Delta R.T. -0.01 min
Lab File: VX014741.D
Acq: 28 Jan 2020 10:52

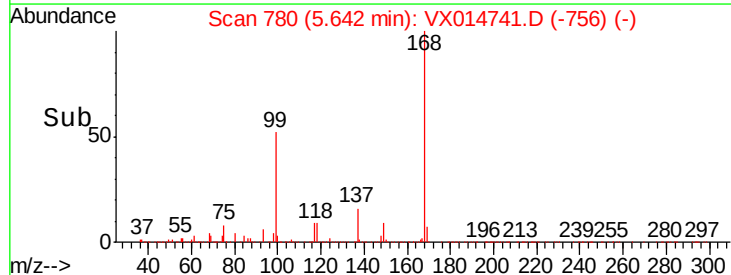
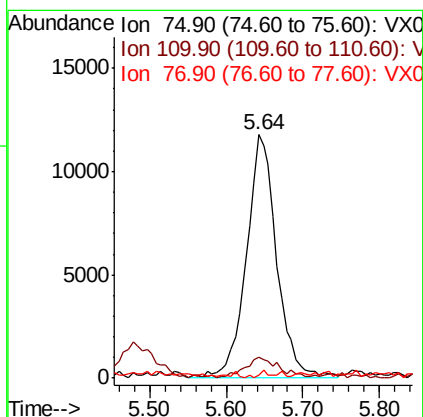
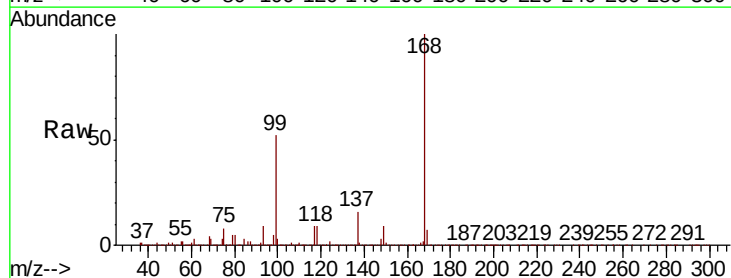
Instrument :
MSVOA_X
ClientSampleId :

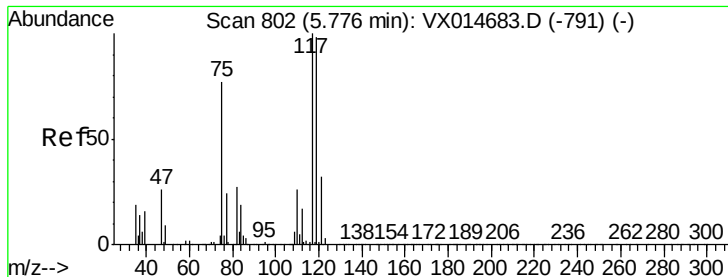
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.0	80.7	121.1
192	23.4	18.5	27.7



#36
1,1-Dichloropropene
Concen: 5.114 ug/l
RT: 5.64 min Scan# 780
Delta R.T. -0.15 min
Lab File: VX014741.D
Acq: 28 Jan 2020 10:52

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.8	17.9	53.7#
77	1.3	24.1	36.1#





#38

Carbon Tetrachloride

Concen: 6.448 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.13 min

Lab File: VX014741.D

Acq: 28 Jan 2020 10:52

Instrument :

MSVOA_X

ClientSampled :

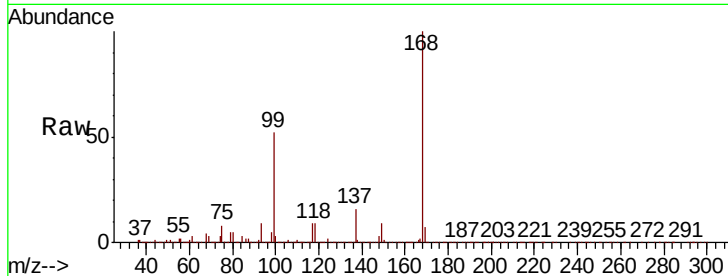
Tot Ion:117 Resp: 39193

Ion Ratio Lower Upper

117 100

119 5.3 77.9 116.9#

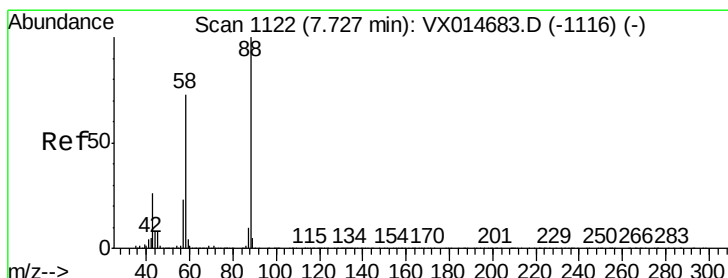
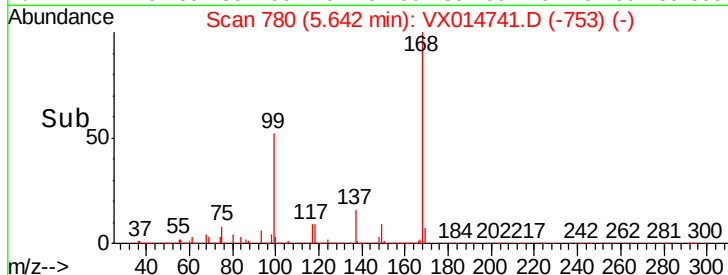
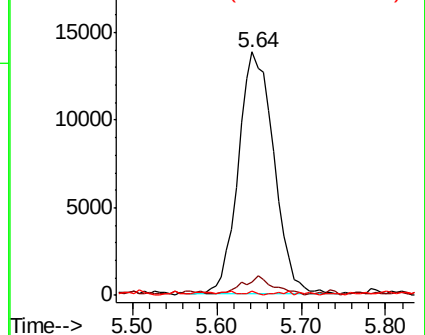
121 0.4 25.4 38.2#



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



#49

1,4-Dioxane

Concen: 1.861 ug/l

RT: 7.71 min Scan# 1119

Delta R.T. -0.02 min

Lab File: VX014741.D

Acq: 28 Jan 2020 10:52

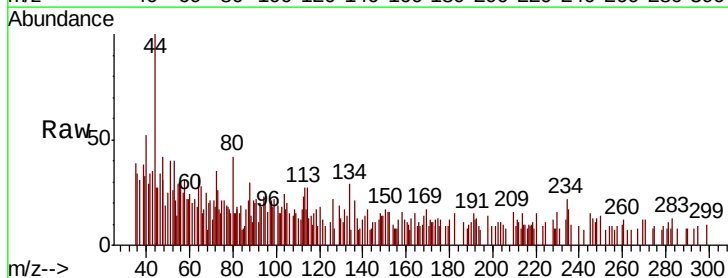
Tgt Ion: 88 Resp: 225

Ion Ratio Lower Upper

88 100

43 0.0 26.2 39.2#

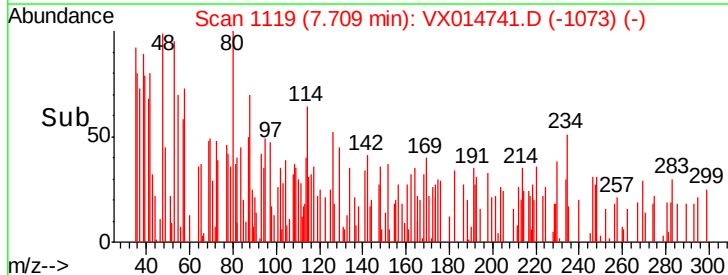
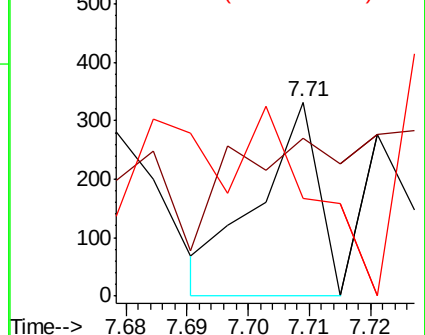
58 0.0 56.6 85.0#

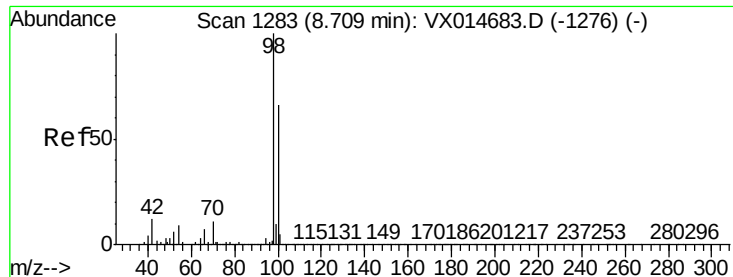


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

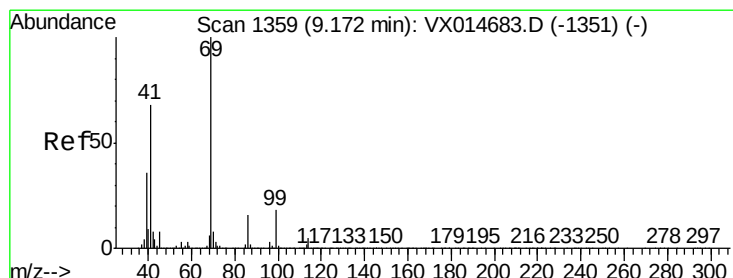
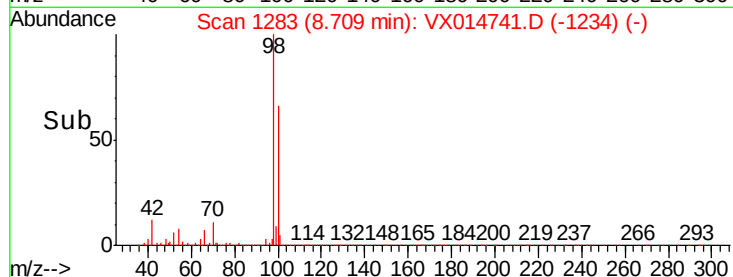
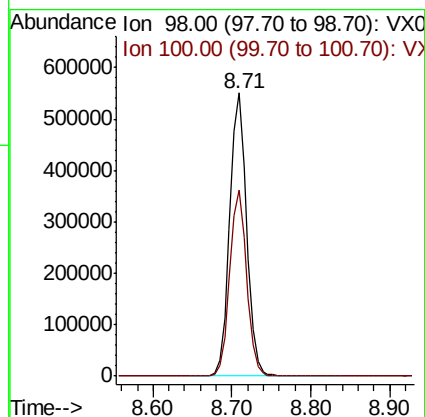
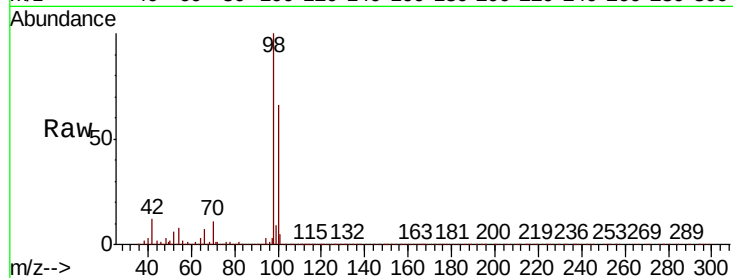




#50
Toluene-d8
Concen: 49.298 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX014741.D
Acq: 28 Jan 2020 10:52

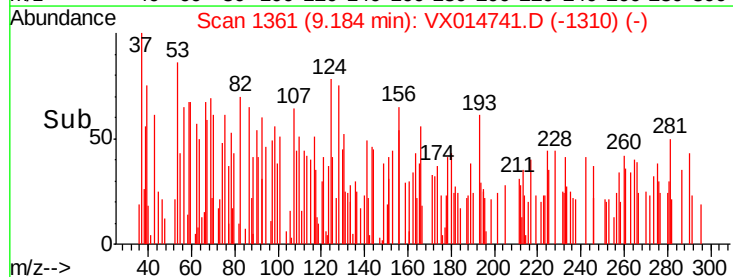
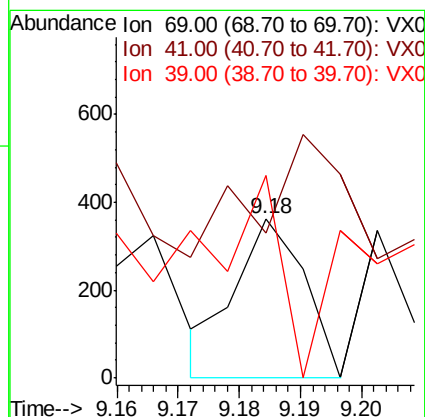
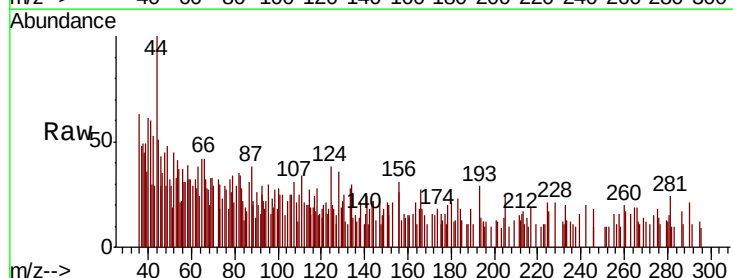
Instrument :
MSVOA_X
ClientSampled :

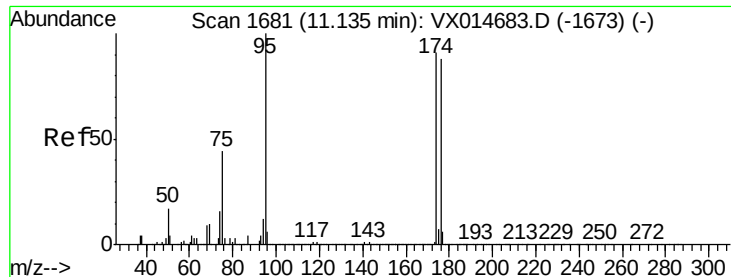
Tot Ion: 98 Resp: 819067
Ion Ratio Lower Upper
98 100
100 65.6 53.0 79.6



#56
Ethyl methacrylate
Concen: 1.817 ug/l
RT: 9.18 min Scan# 1361
Delta R.T. 0.01 min
Lab File: VX014741.D
Acq: 28 Jan 2020 10:52

Tgt Ion: 69 Resp: 282
Ion Ratio Lower Upper
69 100
41 93.6 54.9 82.3#
39 135.1 29.3 43.9#

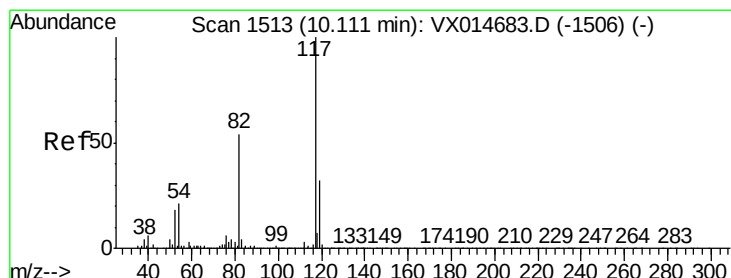
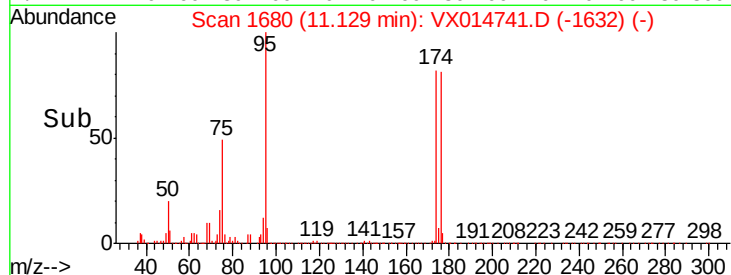
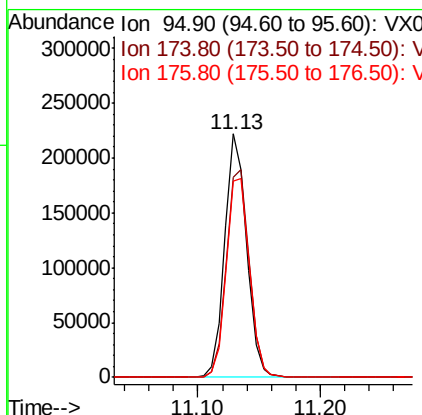
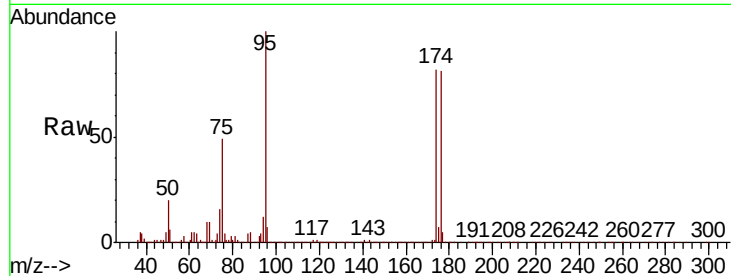




#62
4-Bromofluorobenzene
Concen: 46.475 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.01 min
Lab File: VX014741.D
Acq: 28 Jan 2020 10:52

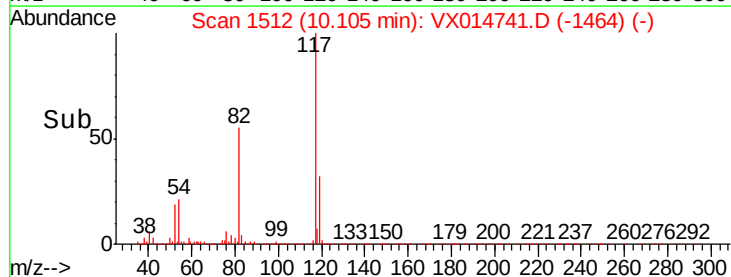
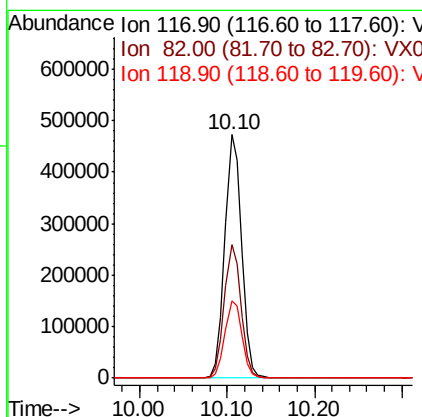
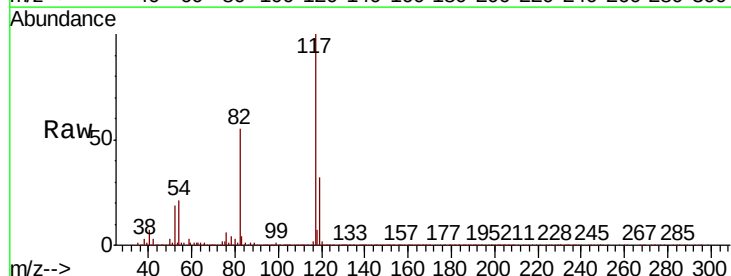
Instrument :
MSVOA_X
ClientSampleId :

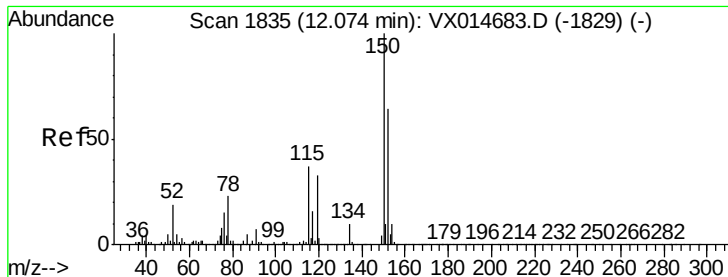
Tot Ion	Ratio	Lower	Upper
95	100		
174	89.4	0.0	176.0
176	86.4	0.0	172.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX014741.D
Acq: 28 Jan 2020 10:52

Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.7	43.2	64.8
119	31.5	25.8	38.6



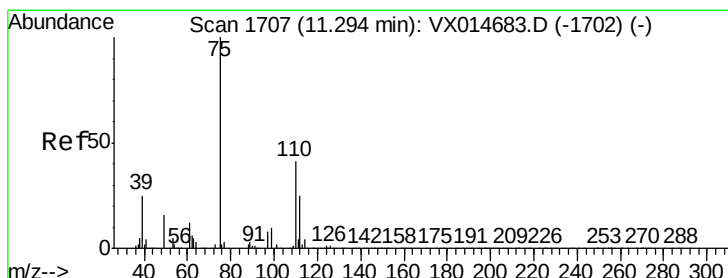
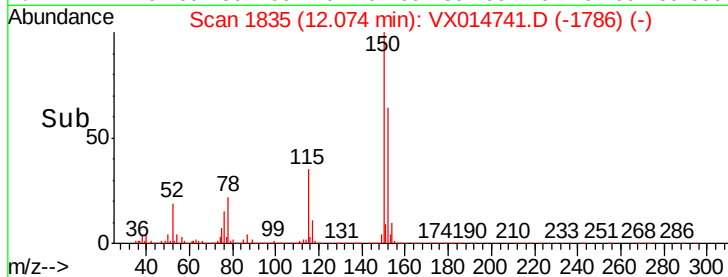
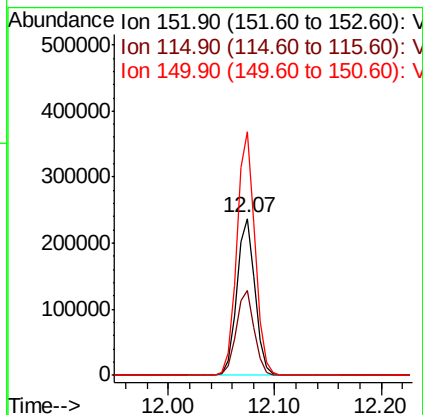
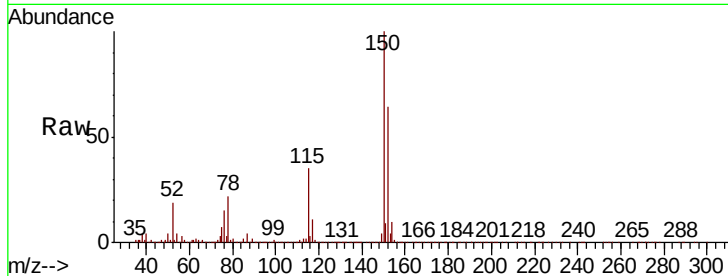


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX014741.D
Acq: 28 Jan 2020 10:52

Instrument :
MSVOA_X
ClientSampleId :

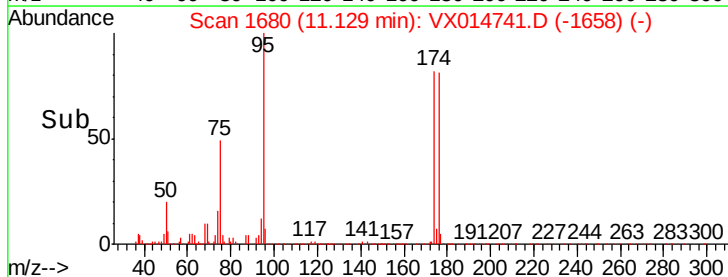
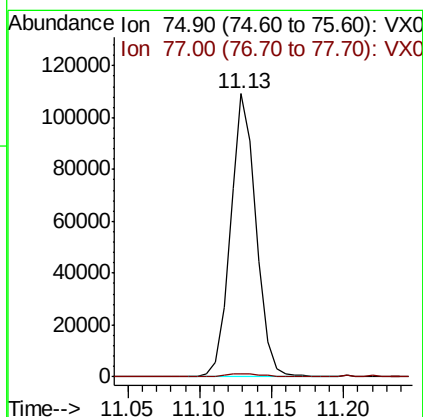
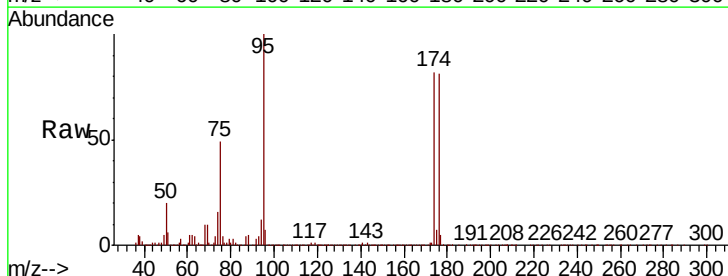
Tot Ion	Ratio	Lower	Upper
152	100		
115	53.7	39.4	118.1
150	154.4	0.0	351.2

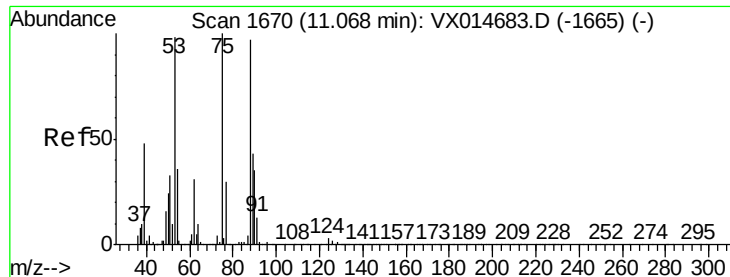


#76

1,2,3-Trichloropropane
Concen: 20.389 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.16 min
Lab File: VX014741.D
Acq: 28 Jan 2020 10:52

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.3	18.7	56.1





#81

trans-1,4-Dichloro-2-butene

Concen: 58.023 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014741.D

Acq: 28 Jan 2020 10:52

Instrument :

MSVOA_X

ClientSampleId :

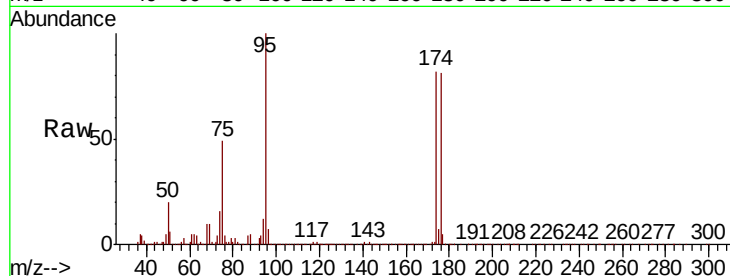
Tot Ion: 75 Resp: 134989

Ion Ratio Lower Upper

75 100

53 0.2 78.8 118.2#

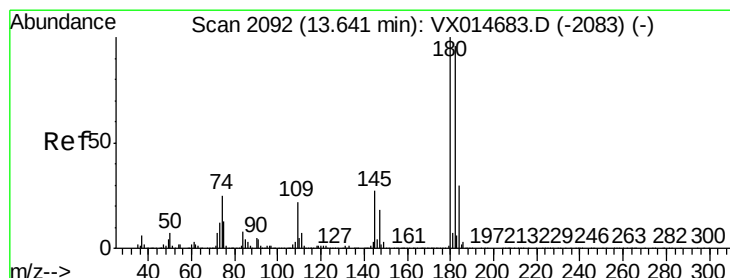
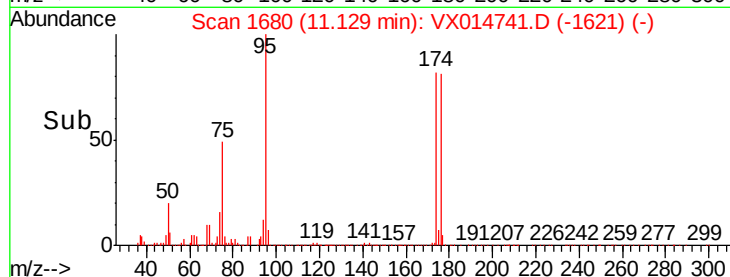
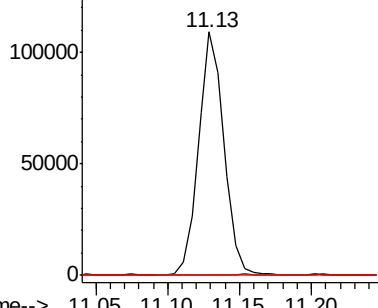
89 0.0 35.4 53.0#



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



#93

1,2,4-Trichlorobenzene

Concen: 0.242 ug/l

RT: 13.64 min Scan# 2092

Delta R.T. -0.00 min

Lab File: VX014741.D

Acq: 28 Jan 2020 10:52

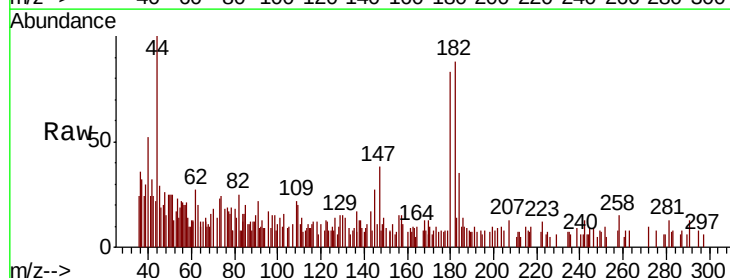
Tgt Ion:180 Resp: 1499

Ion Ratio Lower Upper

180 100

182 77.3 48.5 145.6

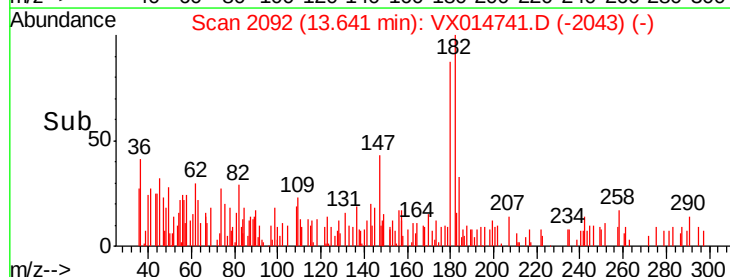
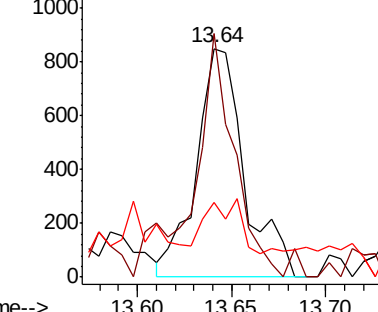
145 17.3 14.0 41.9

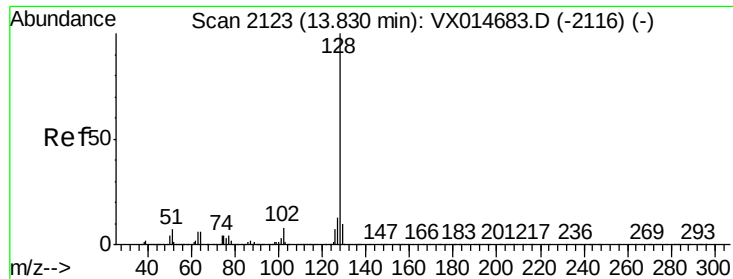


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#95

Naphthalene

Concen: 1.098 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX014741.D

Acq: 28 Jan 2020 10:52

Instrument :

MSVOA_X

ClientSampleId :

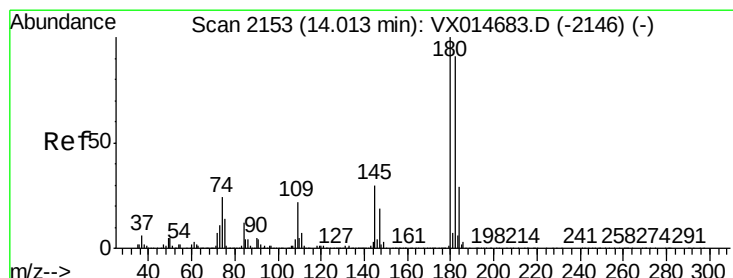
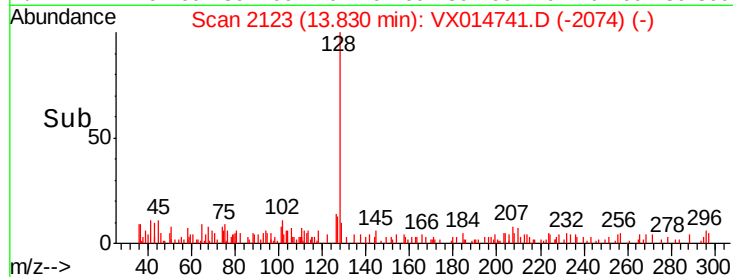
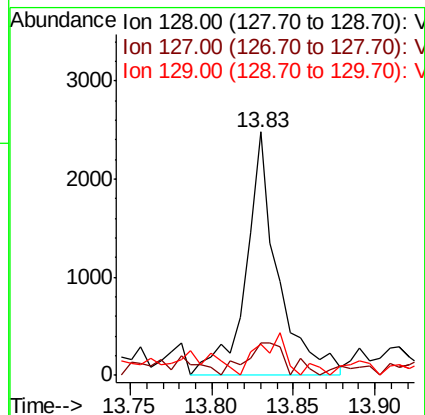
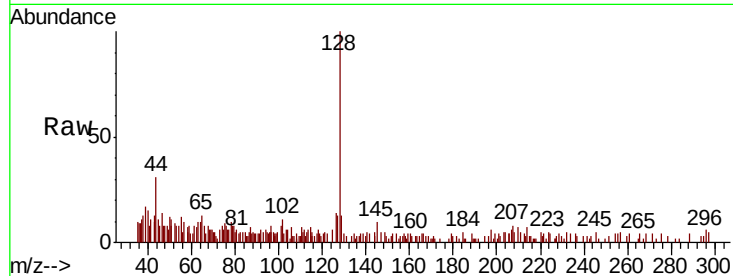
Tot Ion:128 Resp: 3374

Ion Ratio Lower Upper

128 100

127 17.7 10.3 15.5#

129 14.3 8.6 12.8#



#96

1,2,3-Trichlorobenzene

Concen: 0.206 ug/l

RT: 14.02 min Scan# 2154

Delta R.T. 0.01 min

Lab File: VX014741.D

Acq: 28 Jan 2020 10:52

Tgt Ion:180 Resp: 1288

Ion Ratio Lower Upper

180 100

182 97.5 46.6 139.7

145 33.7 14.7 44.1

