

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX010620\
 Data File : VX014441.D
 Acq On : 06 Jan 2020 20:35
 Operator : JC/SP
 Sample : K6484-42DL 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 07 04:44:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	571173	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	863584	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	789967	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	372974	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	302429	46.72	ug/l	0.00
Spiked Amount			Recovery	=	93.44%	
35) Dibromofluoromethane	5.49	113	256194	48.80	ug/l	0.00
Spiked Amount			Recovery	=	97.60%	
50) Toluene-d8	8.71	98	1019399	49.88	ug/l	0.00
Spiked Amount			Recovery	=	99.76%	
62) 4-Bromofluorobenzene	11.13	95	359563	48.13	ug/l	0.00
Spiked Amount			Recovery	=	96.26%	

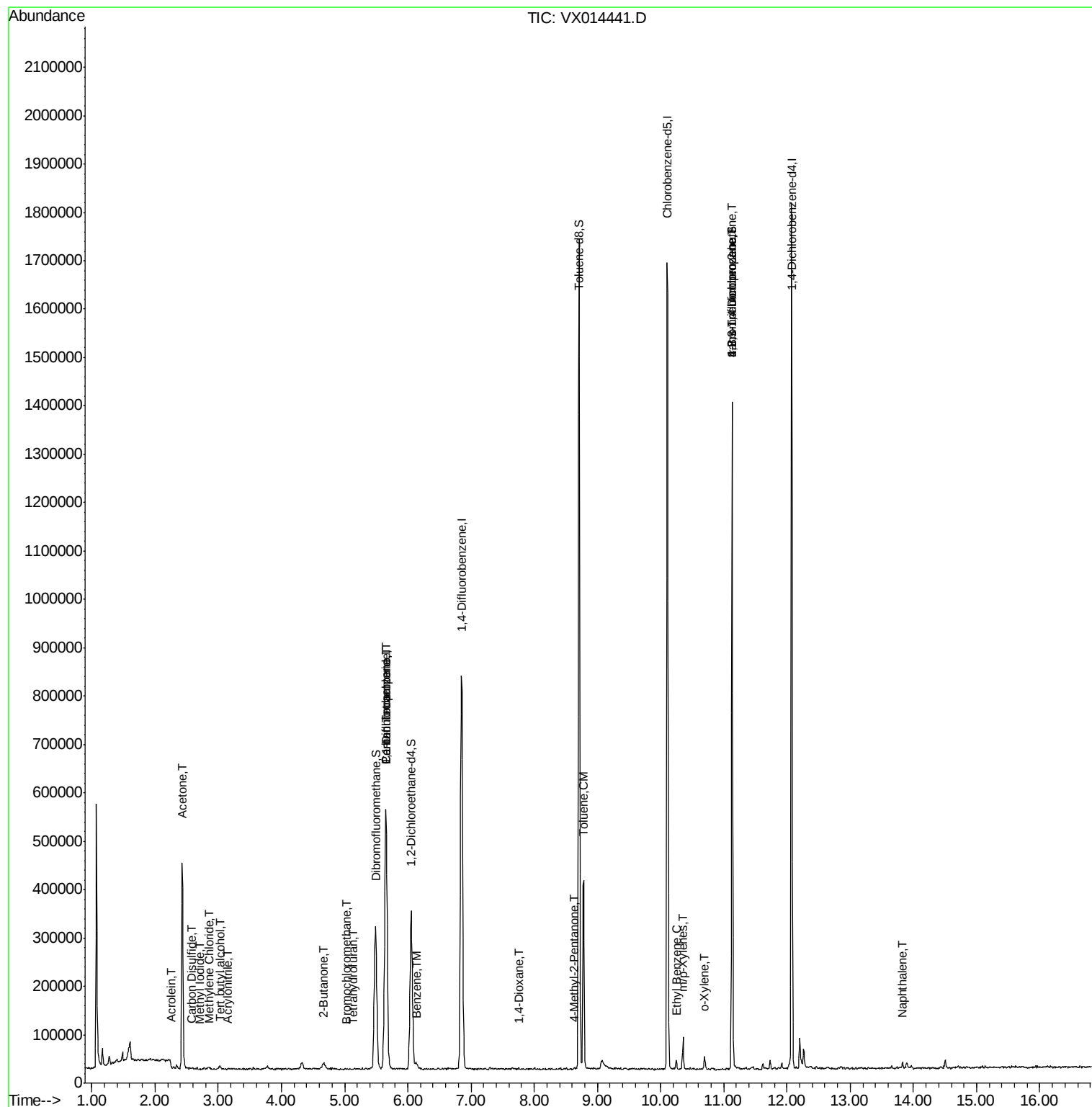
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.72	142	438	2.679	ug/l	91
11) Tert butyl alcohol	3.03	59	6073	4.342	ug/l	95
13) Acrolein	2.27	56	326	0.407	ug/l #	70
15) Acrylonitrile	3.15	53	722	0.221	ug/l #	27
16) Acetone	2.43	43	443857	105.613	ug/l	99
17) Carbon Disulfide	2.57	76	1285	0.833	ug/l #	73
20) Methylene Chloride	2.86	84	2827	0.427	ug/l #	70
25) 2-Butanone	4.67	43	7450	1.438	ug/l #	86
28) Bromochloromethane	5.03	49	125	0.483	ug/l #	1
29) Tetrahydrofuran	5.13	42	611	0.211	ug/l #	85
36) 1,1-Dichloropropene	5.65	75	36830	4.648	ug/l #	50
38) Carbon Tetrachloride	5.65	117	50177	6.951	ug/l #	17
40) Benzene	6.14	78	16002	0.656	ug/l	97
49) 1,4-Dioxane	7.75	88	635	4.400	ug/l #	84
51) 4-Methyl-2-Pentanone	8.64	43	2491	0.274	ug/l #	85
52) Toluene	8.78	92	150895	9.792	ug/l	100
67) Ethyl Benzene	10.25	91	11359	0.393	ug/l	96
68) m/p-Xylenes	10.35	106	16358	1.473	ug/l	90
69) o-Xylene	10.70	106	6518	0.598	ug/l	98
76) 1,2,3-Trichloropropane	11.13	75	174736	21.580	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	174736	60.909	ug/l #	11
95) Naphthalene	13.83	128	6990	0.287	ug/l #	89

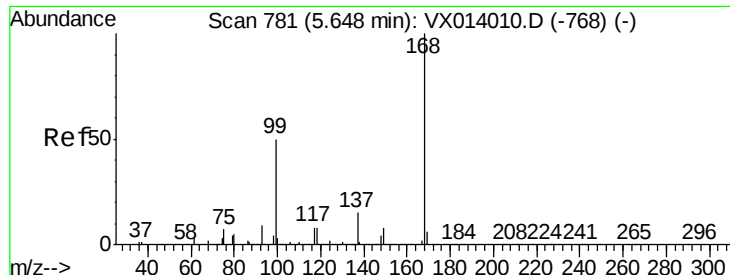
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Dec 17 03:01:07 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX014441.D

Acq: 06 Jan 2020 20:35

Instrument :

MSVOA_X

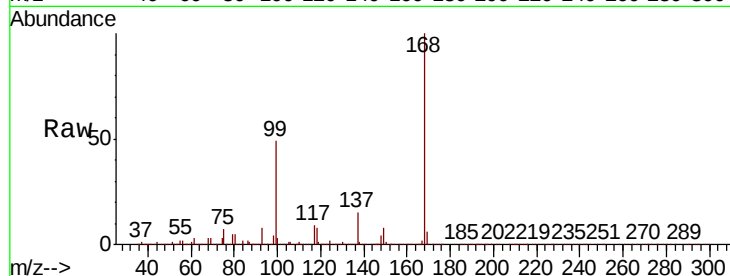
ClientSampled :

Tot Ion:168 Resp: 571173

Ion Ratio Lower Upper

168 100

99 48.7 40.3 60.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

200000

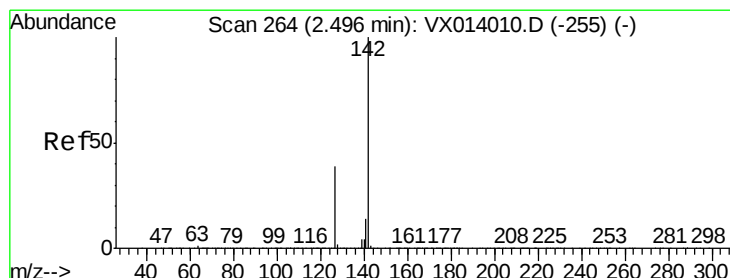
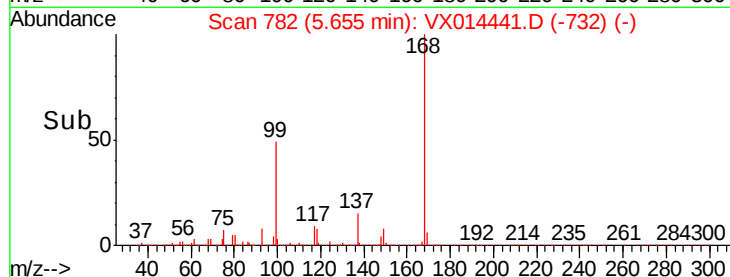
150000

100000

50000

0

Time-->



#10

Methyl Iodide

Concen: 2.679 ug/l

RT: 2.72 min Scan# 301

Delta R.T. 0.23 min

Lab File: VX014441.D

Acq: 06 Jan 2020 20:35

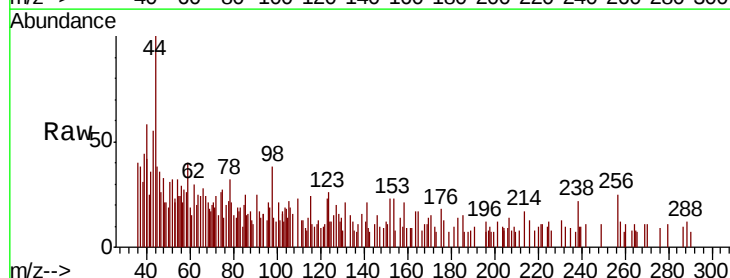
Tgt Ion:142 Resp: 438

Ion Ratio Lower Upper

142 100

127 32.9 31.6 47.4

141 13.0 11.6 17.4



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

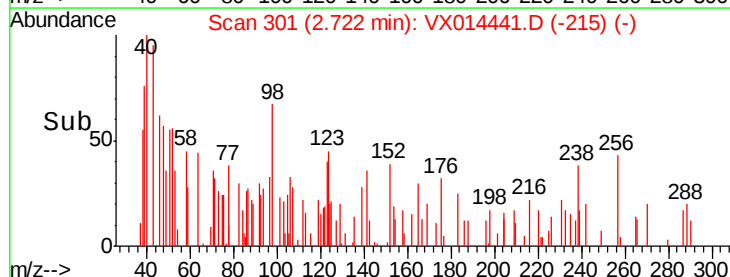
300

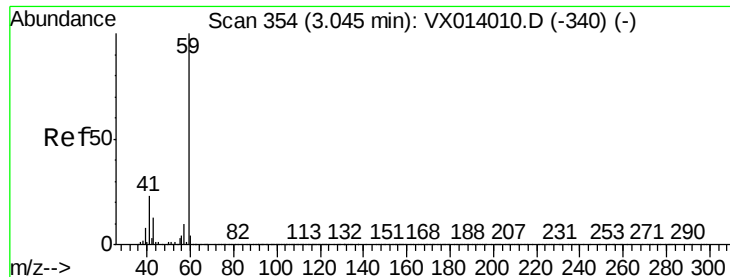
200

100

0

Time-->



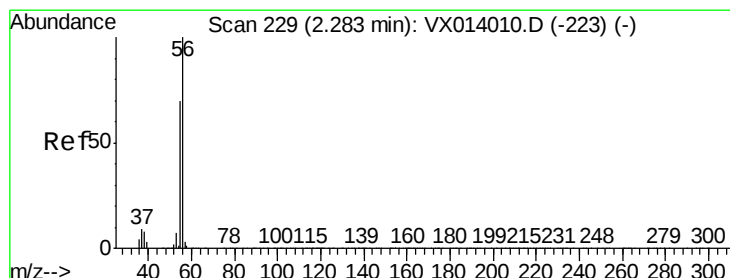
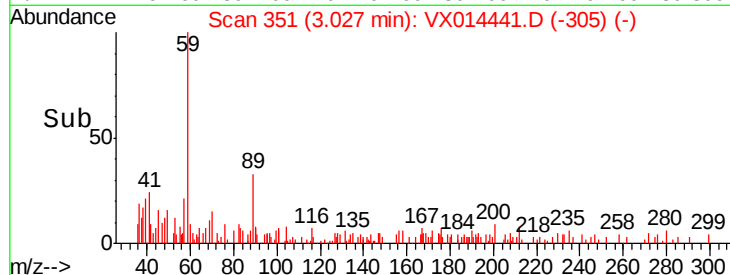
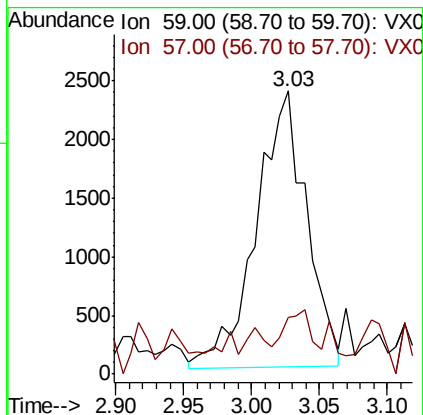
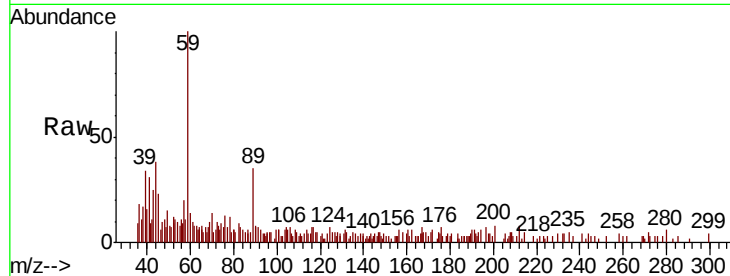


#11

Tert butyl alcohol
Concen: 4.342 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.02 min
Lab File: VX014441.D
Acq: 06 Jan 2020 20:35

Instrument :
MSVOA_X
ClientSampled :

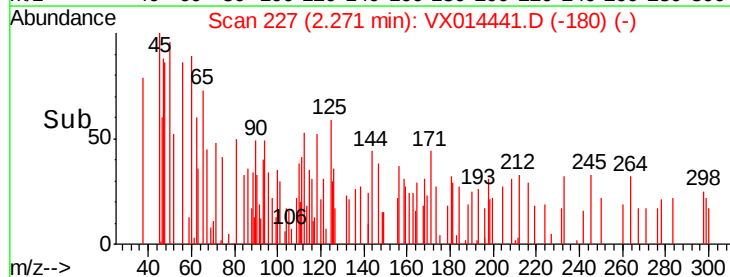
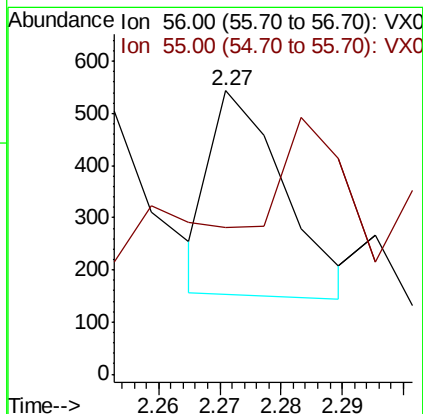
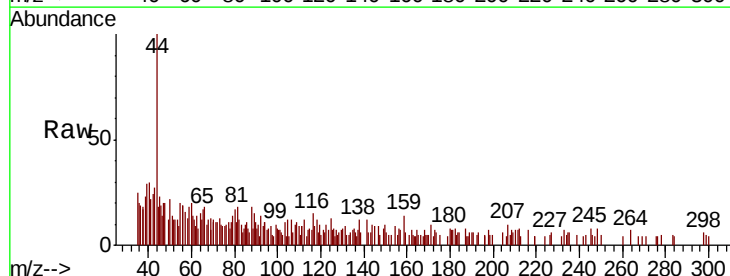
Tot Ion: 59 Resp: 6073
Ion Ratio Lower Upper
59 100
57 8.6 8.4 12.6

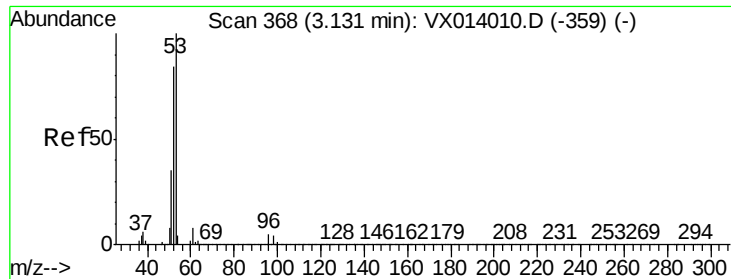


#13

Acrolein
Concen: 0.407 ug/l
RT: 2.27 min Scan# 227
Delta R.T. -0.01 min
Lab File: VX014441.D
Acq: 06 Jan 2020 20:35

Tgt Ion: 56 Resp: 326
Ion Ratio Lower Upper
56 100
55 96.0 56.9 85.3#





#15

Acrylonitrile

Concen: 0.221 ug/l

RT: 3.15 min Scan# 371

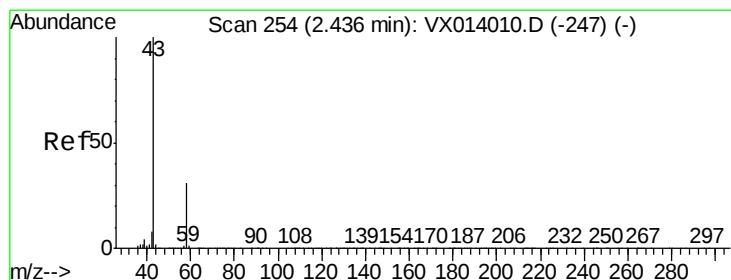
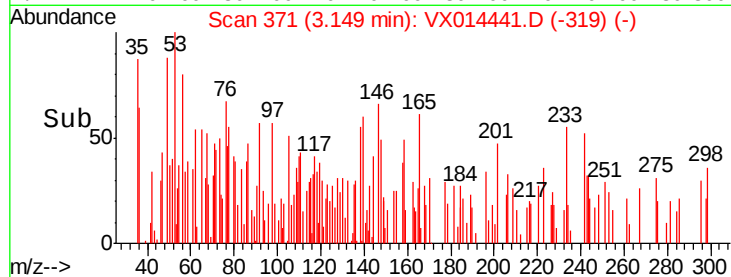
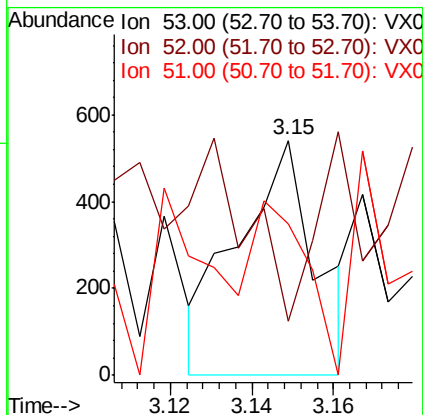
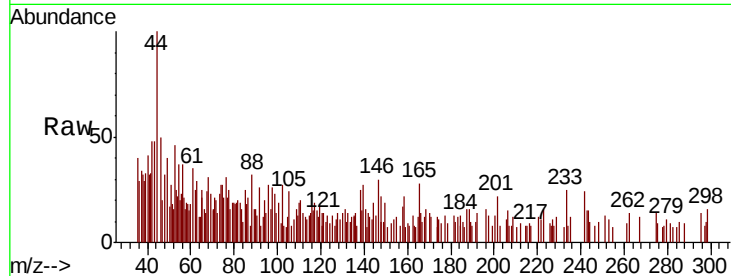
Delta R.T. 0.02 min

Lab File: VX014441.D

Acq: 06 Jan 2020 20:35

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:	53	Resp:	722
Ion	Ratio	Lower	Upper
53	100		
52	0.0	66.5	99.7#
51	50.3	28.1	42.1#



#16

Acetone

Concen: 105.613 ug/l

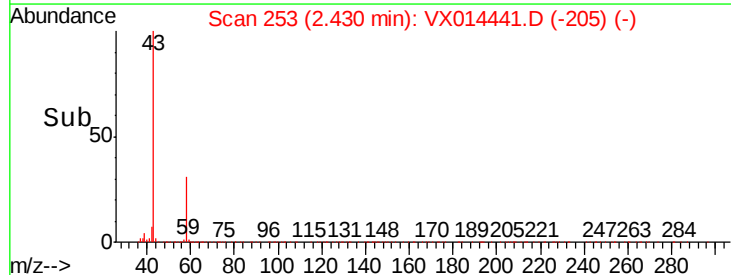
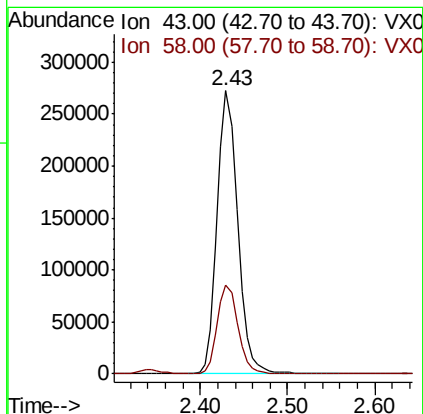
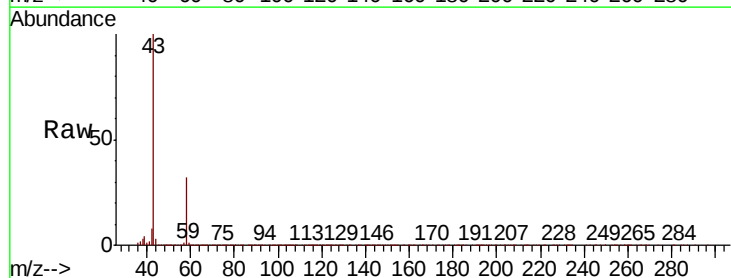
RT: 2.43 min Scan# 253

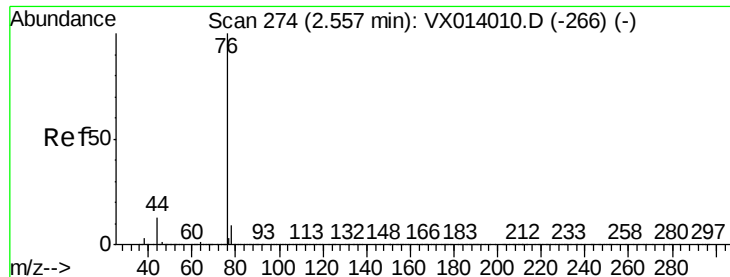
Delta R.T. -0.01 min

Lab File: VX014441.D

Acq: 06 Jan 2020 20:35

Tgt Ion:	43	Resp:	443857
Ion	Ratio	Lower	Upper
43	100		
58	31.5	24.9	37.3





#17

Carbon Disulfide

Concen: 0.833 ug/l

RT: 2.57 min Scan# 276

Delta R.T. 0.01 min

Lab File: VX014441.D

Acq: 06 Jan 2020 20:35

Instrument :

MSVOA_X

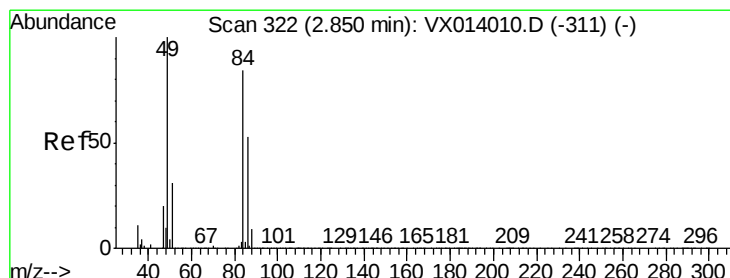
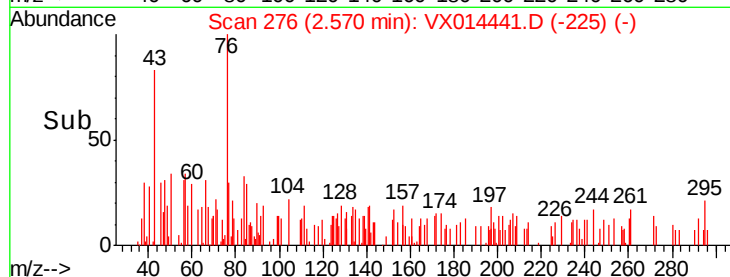
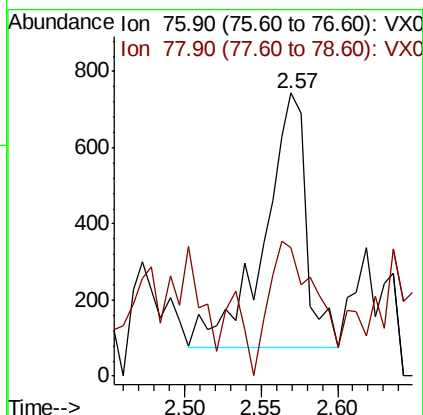
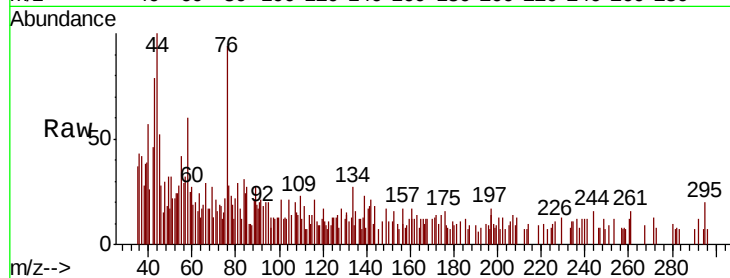
ClientSampled :

Tot Ion: 76 Resp: 1285

Ion Ratio Lower Upper

76 100

78 18.7 7.2 10.8#



#20

Methylene Chloride

Concen: 0.427 ug/l

RT: 2.86 min Scan# 323

Delta R.T. 0.01 min

Lab File: VX014441.D

Acq: 06 Jan 2020 20:35

Tgt Ion: 84 Resp: 2827

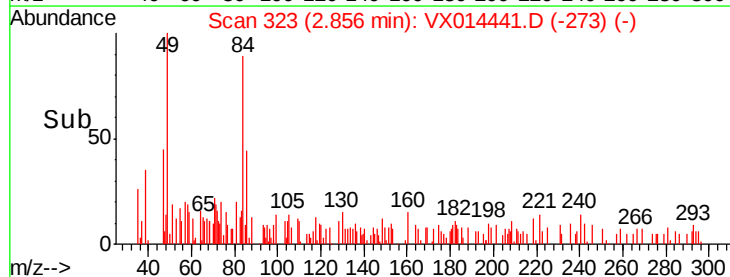
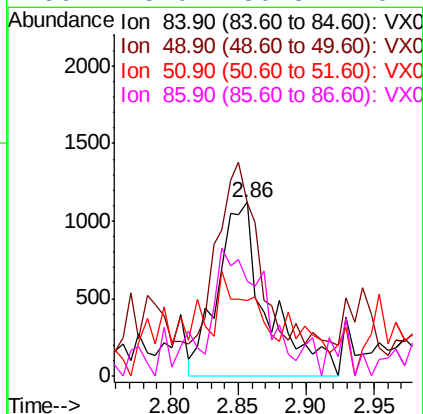
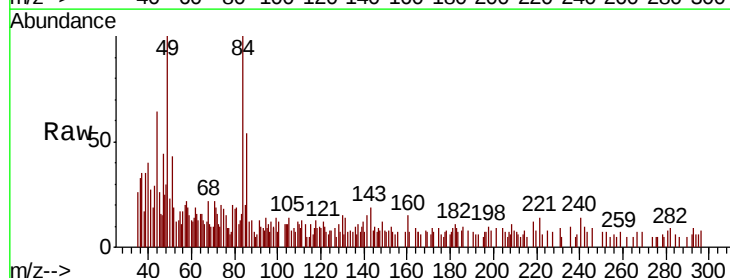
Ion Ratio Lower Upper

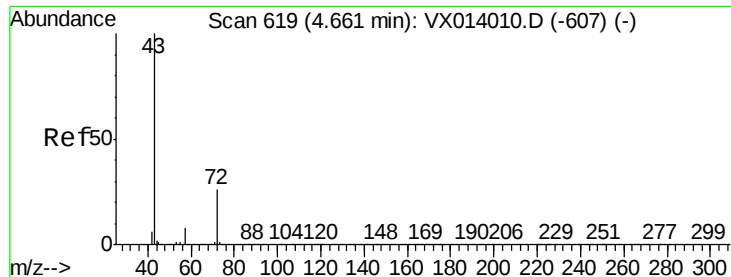
84 100

49 81.6 95.8 143.6#

51 22.6 29.8 44.8#

86 43.0 50.8 76.2#

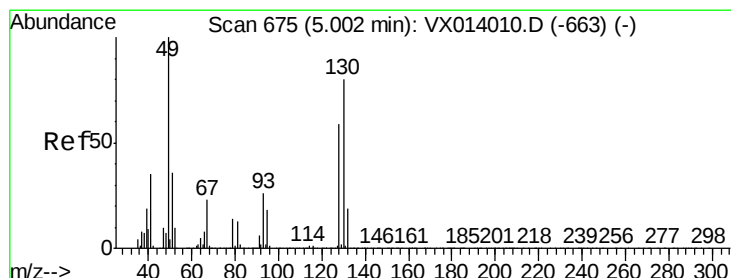
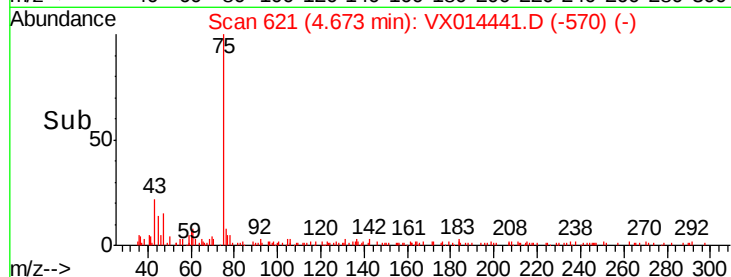
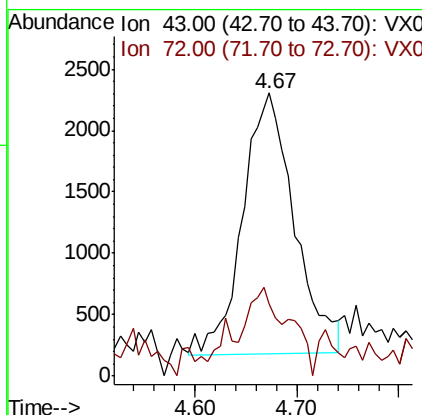
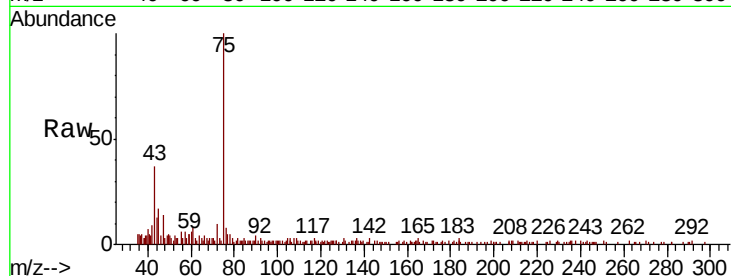




#25
2-Butanone
Concen: 1.438 ug/l
RT: 4.67 min Scan# 621
Delta R.T. 0.01 min
Lab File: VX014441.D
Acq: 06 Jan 2020 20:35

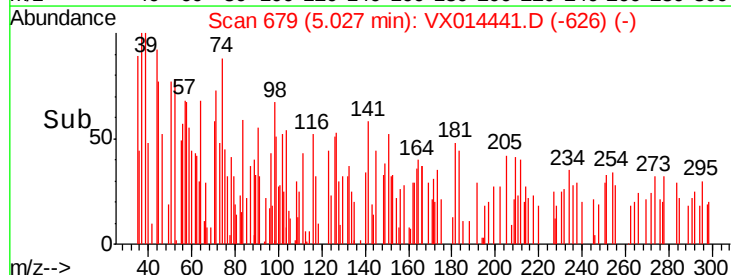
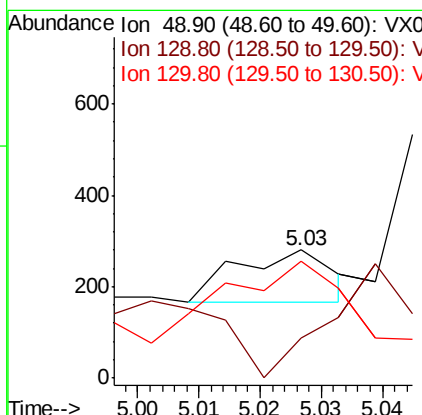
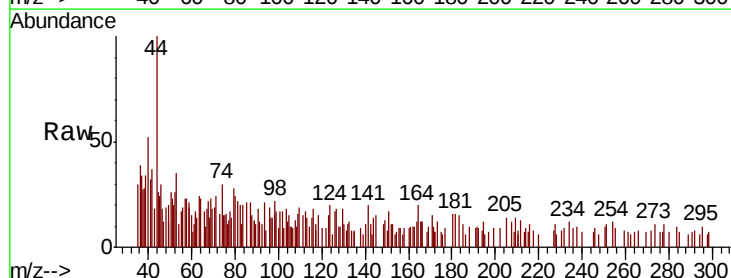
Instrument :
MSVOA_X
ClientSampled :

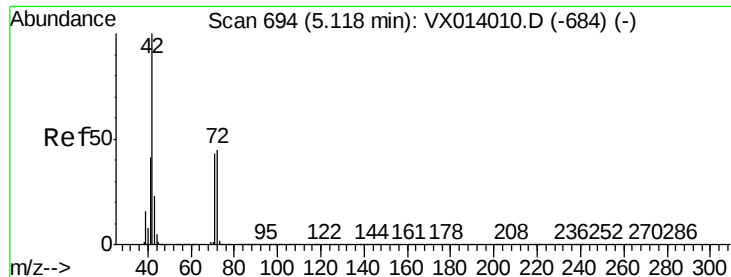
Tot Ion: 43 Resp: 7450
Ion Ratio Lower Upper
43 100
72 18.8 21.0 31.4#



#28
Bromochloromethane
Concen: 0.483 ug/l
RT: 5.03 min Scan# 679
Delta R.T. 0.02 min
Lab File: VX014441.D
Acq: 06 Jan 2020 20:35

Tgt Ion: 49 Resp: 125
Ion Ratio Lower Upper
49 100
129 0.0 0.0 5.0
130 262.4 64.6 97.0#

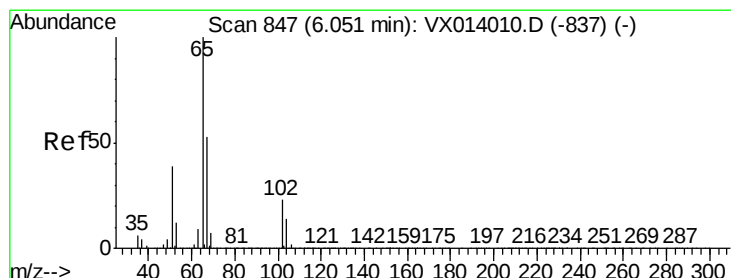
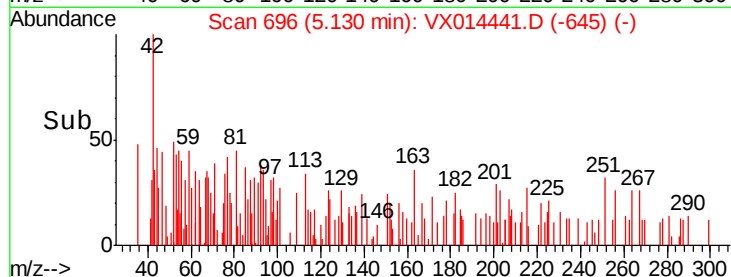
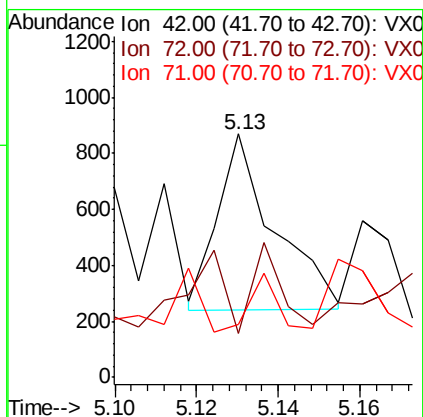
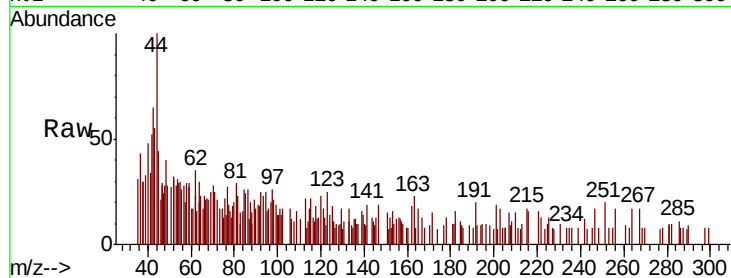




#29
Tetrahydrofuran
Concen: 0.211 ug/l
RT: 5.13 min Scan# 696
Delta R.T. 0.01 min
Lab File: VX014441.D
Acq: 06 Jan 2020 20:35

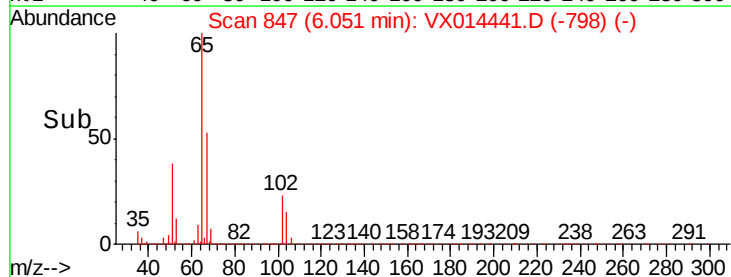
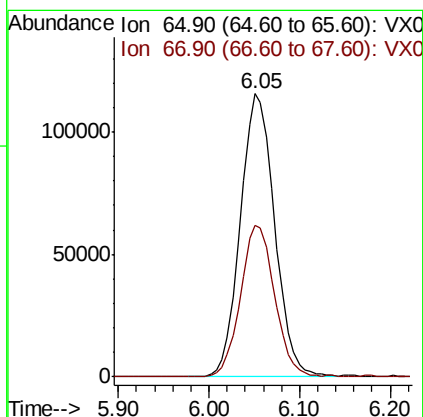
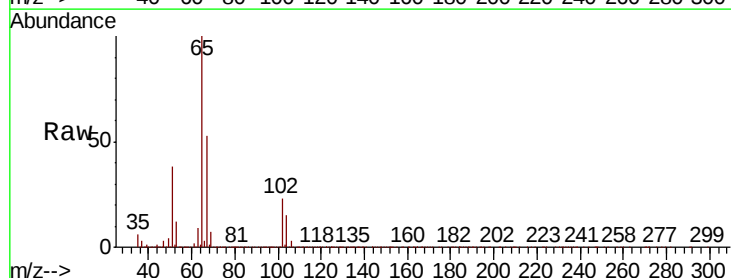
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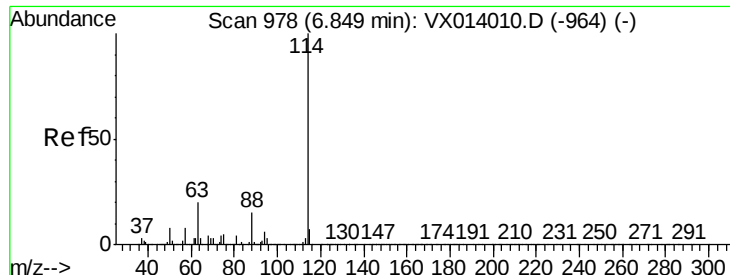
Tot Ion: 42 Resp: 611
Ion Ratio Lower Upper
42 100
72 53.7 35.8 53.8
71 32.1 33.6 50.4#



#33
1,2-Dichloroethane-d4
Concen: 46.718 ug/l
RT: 6.05 min Scan# 847
Delta R.T. 0.00 min
Lab File: VX014441.D
Acq: 06 Jan 2020 20:35

Tgt Ion: 65 Resp: 302429
Ion Ratio Lower Upper
65 100
67 52.9 0.0 106.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX014441.D

Acq: 06 Jan 2020 20:35

Instrument :

MSVOA_X

ClientSampleId :

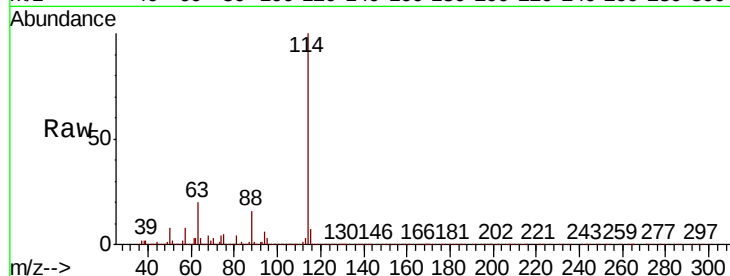
Tot Ion:114 Resp: 863584

Ion Ratio Lower Upper

114 100

63 20.3 0.0 40.8

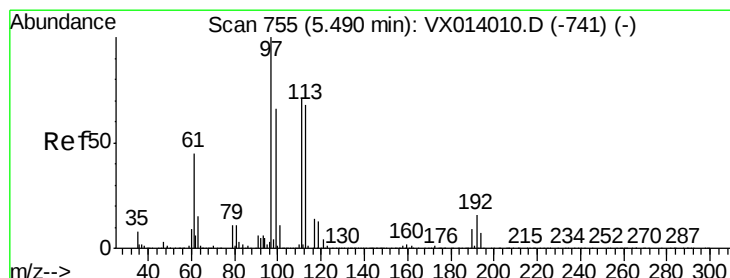
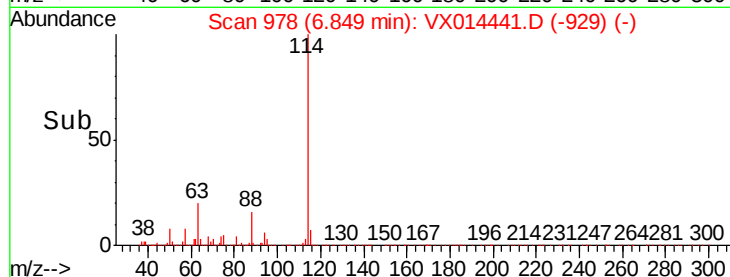
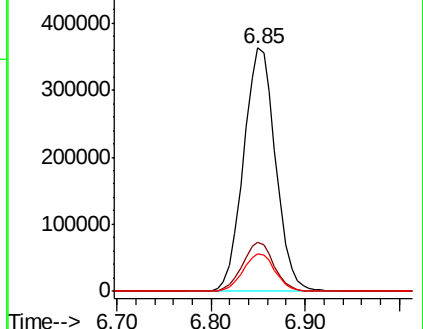
88 15.6 0.0 30.4



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: 48.802 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX014441.D

Acq: 06 Jan 2020 20:35

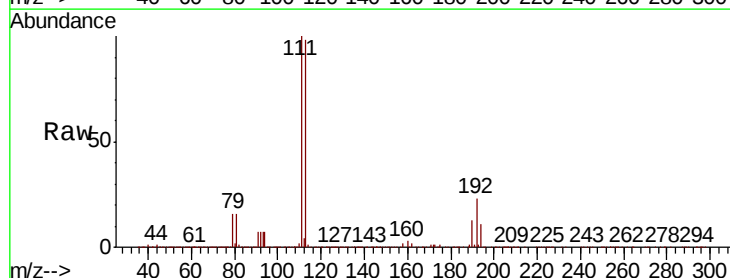
Tgt Ion:113 Resp: 256194

Ion Ratio Lower Upper

113 100

111 101.9 82.0 123.0

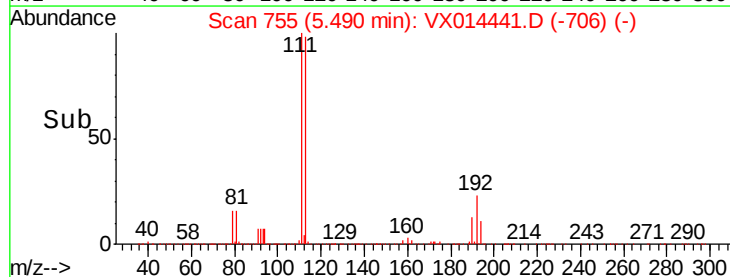
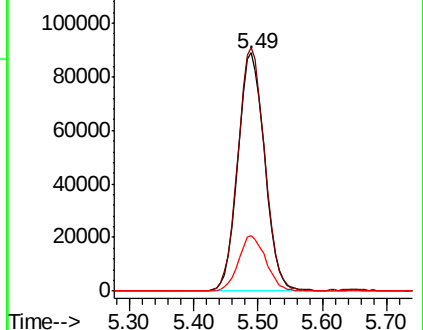
192 23.7 19.3 28.9

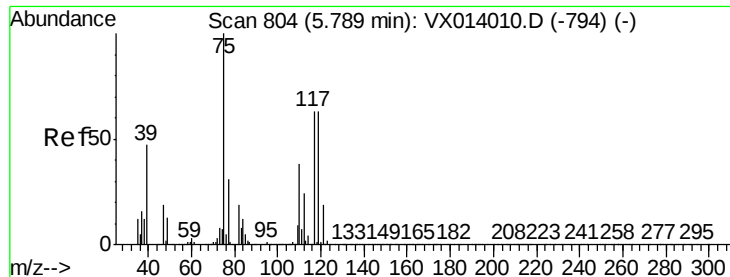


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.648 ug/l

RT: 5.65 min Scan# 782

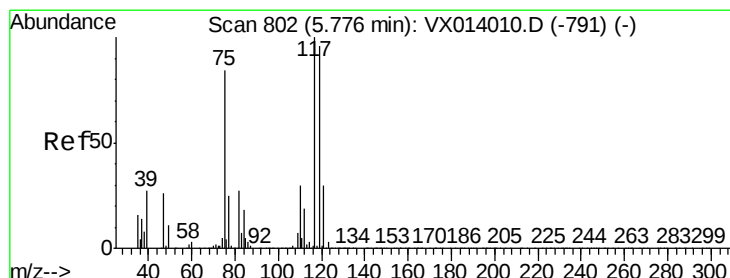
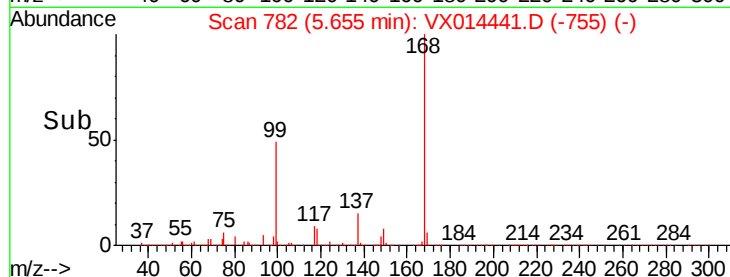
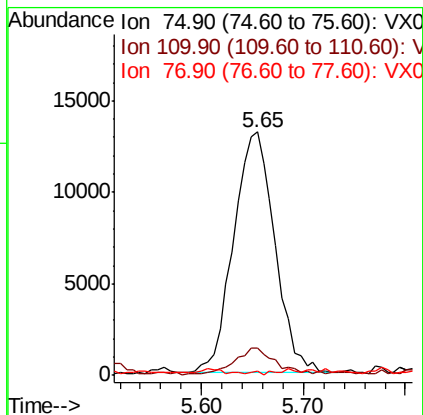
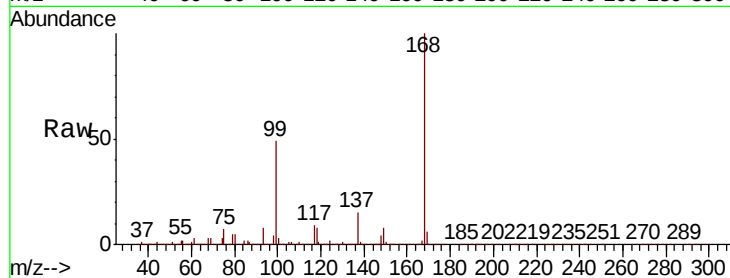
Delta R.T. -0.13 min

Lab File: VX014441.D

Acq: 06 Jan 2020 20:35

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:	75	Resp:	36830
Ion	Ratio	Lower	Upper
75	100		
110	10.2	18.3	54.9#
77	0.0	24.8	37.2#



#38

Carbon Tetrachloride

Concen: 6.951 ug/l

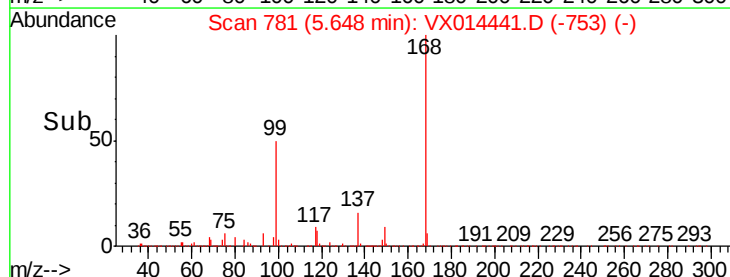
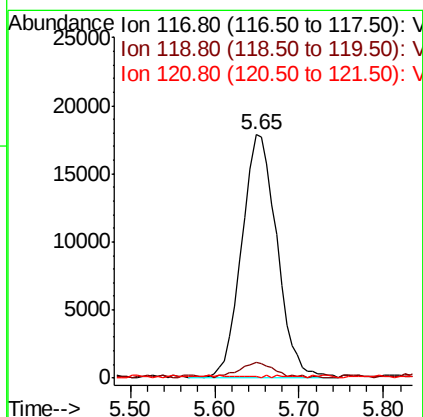
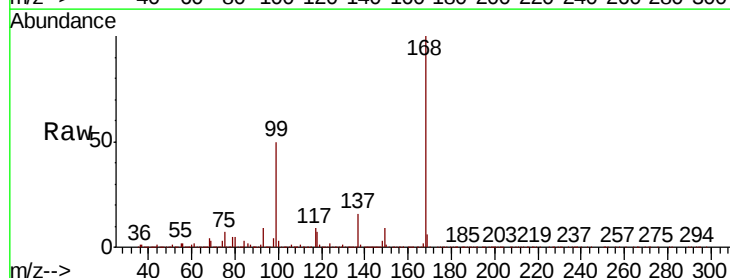
RT: 5.65 min Scan# 781

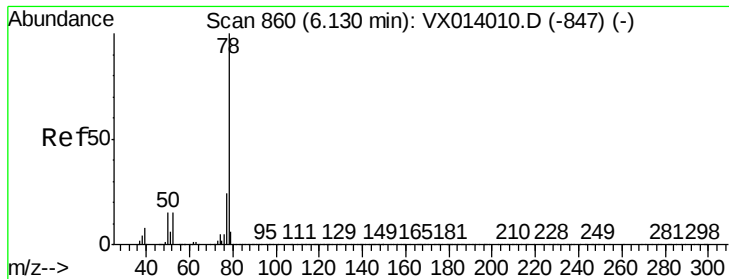
Delta R.T. -0.13 min

Lab File: VX014441.D

Acq: 06 Jan 2020 20:35

Tgt Ion:	117	Resp:	50177
Ion	Ratio	Lower	Upper
117	100		
119	6.3	76.2	114.4#
121	0.4	23.6	35.4#





#40

Benzene

Concen: 0.656 ug/l

RT: 6.14 min Scan# 862

Delta R.T. 0.01 min

Lab File: VX014441.D

Acq: 06 Jan 2020 20:35

Instrument :

MSVOA_X

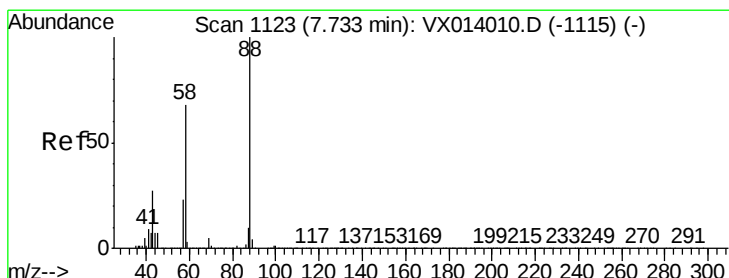
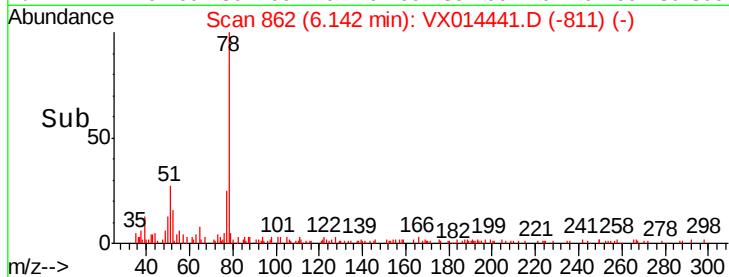
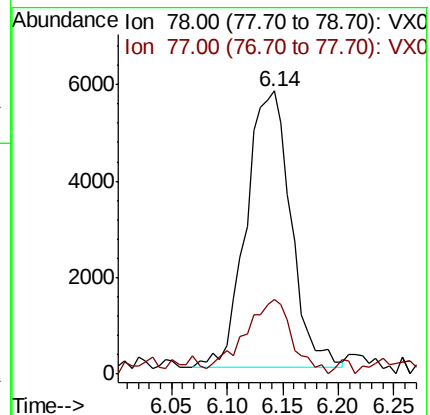
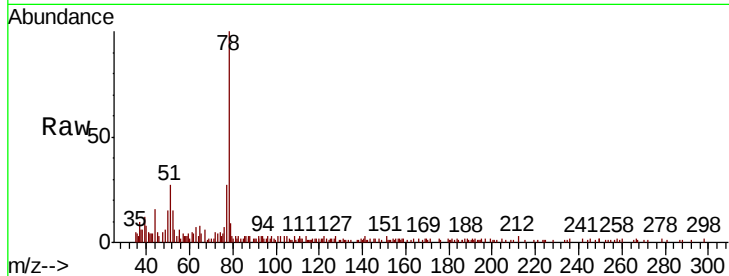
ClientSampleId :

Tot Ion: 78 Resp: 16002

Ion Ratio Lower Upper

78 100

77 22.1 18.8 28.2



#49

1,4-Dioxane

Concen: 4.400 ug/l

RT: 7.75 min Scan# 1126

Delta R.T. 0.02 min

Lab File: VX014441.D

Acq: 06 Jan 2020 20:35

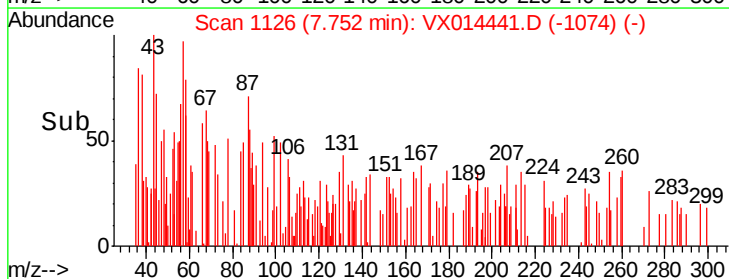
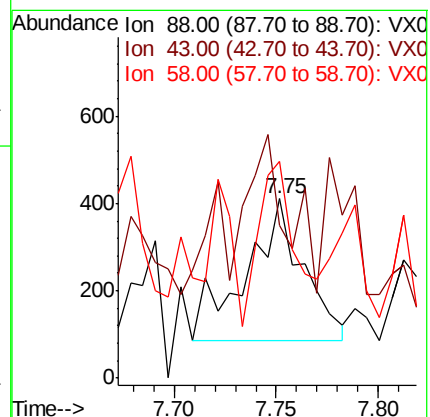
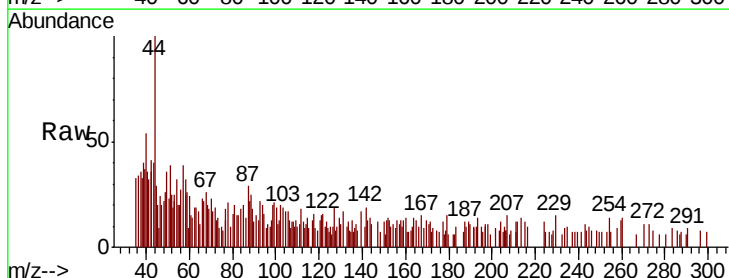
Tgt Ion: 88 Resp: 635

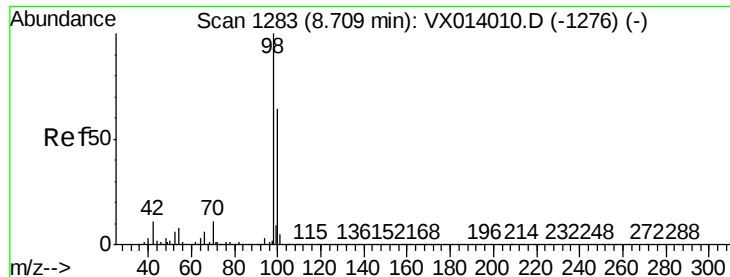
Ion Ratio Lower Upper

88 100

43 54.8 26.5 39.7#

58 75.1 56.8 85.2





#50

Toluene-d8

Concen: 49.877 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014441.D

Acq: 06 Jan 2020 20:35

Instrument :

MSVOA_X

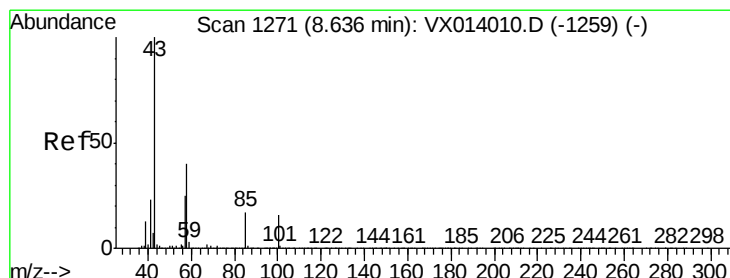
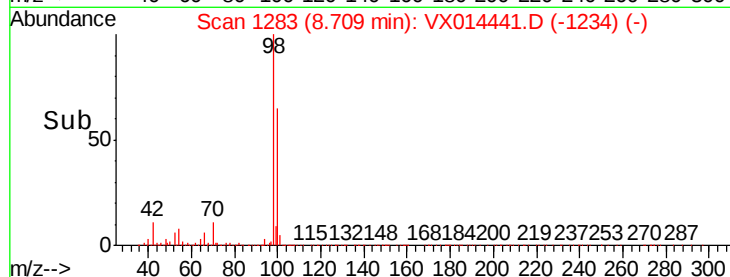
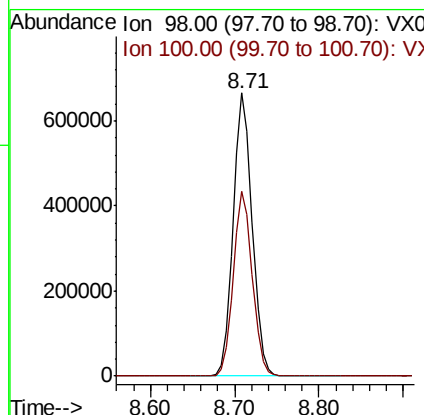
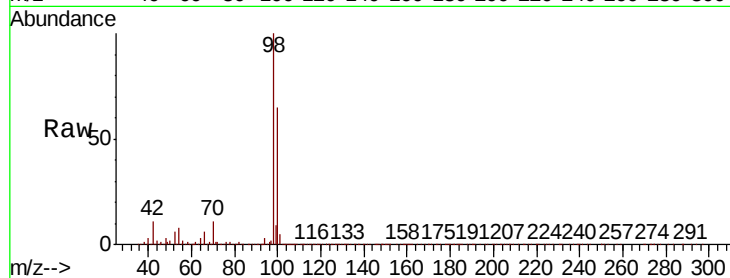
ClientSampleId :

Tot Ion: 98 Resp: 1019399

Ion Ratio Lower Upper

98 100

100 64.9 52.9 79.3



#51

4-Methyl-2-Pentanone

Concen: 0.274 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX014441.D

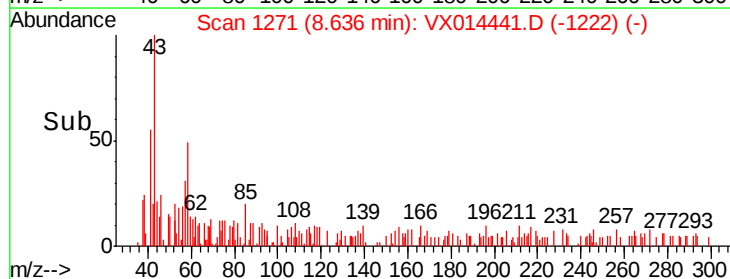
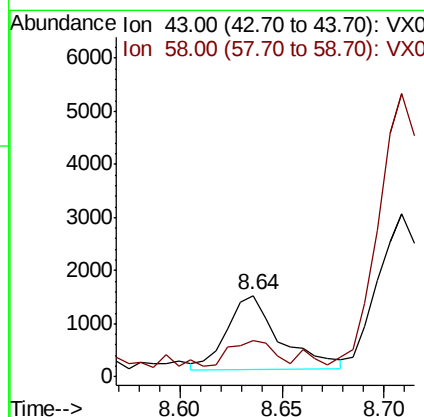
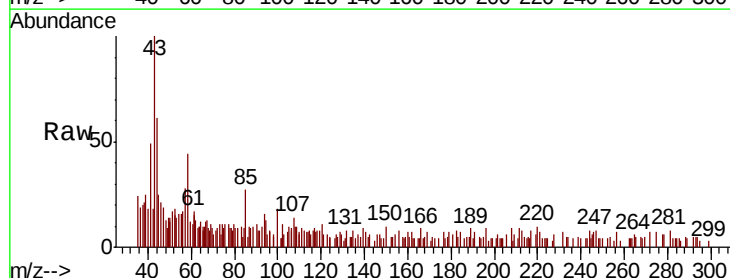
Acq: 06 Jan 2020 20:35

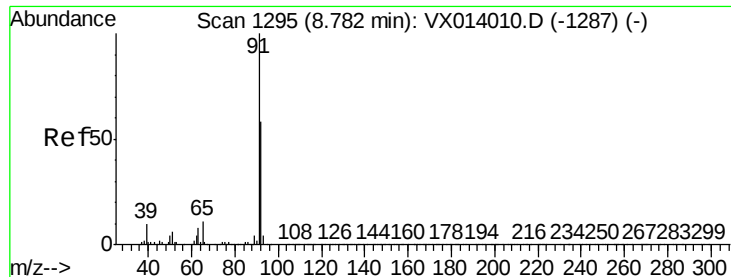
Tgt Ion: 43 Resp: 2491

Ion Ratio Lower Upper

43 100

58 31.1 32.2 48.2#





#52

Toluene

Concen: 9.792 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VX014441.D

Acq: 06 Jan 2020 20:35

Instrument :

MSVOA_X

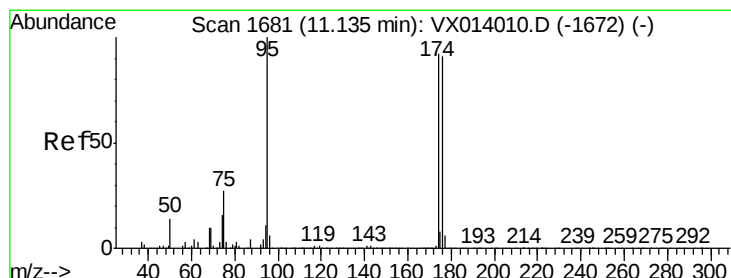
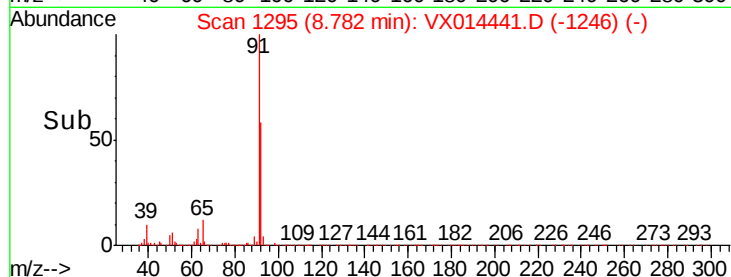
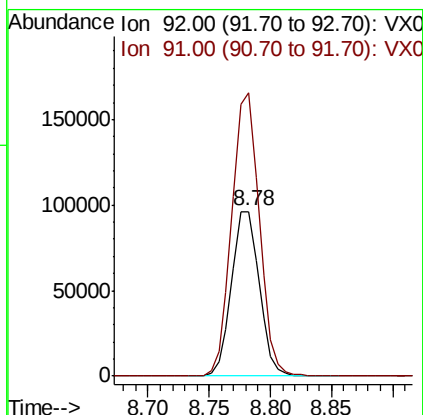
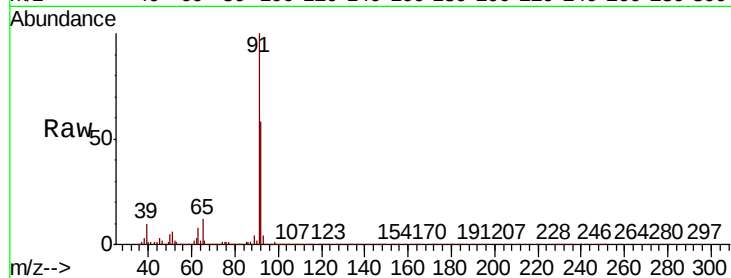
ClientSampleId :

Tot Ion: 92 Resp: 150895

Ion Ratio Lower Upper

92 100

91 170.9 136.2 204.4



#62

4-Bromofluorobenzene

Concen: 48.128 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX014441.D

Acq: 06 Jan 2020 20:35

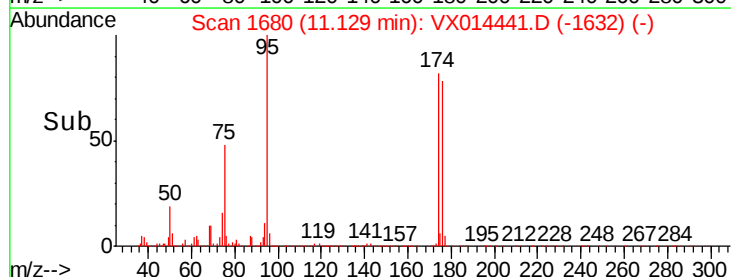
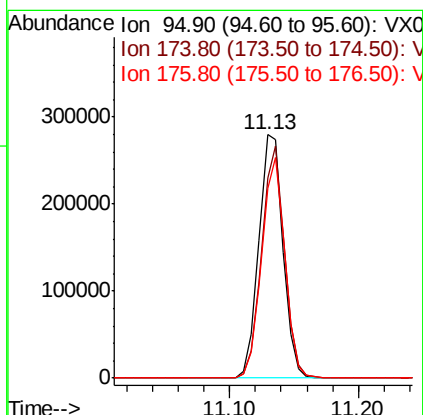
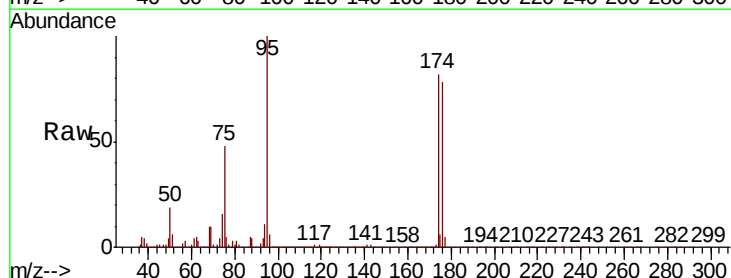
Tgt Ion: 95 Resp: 359563

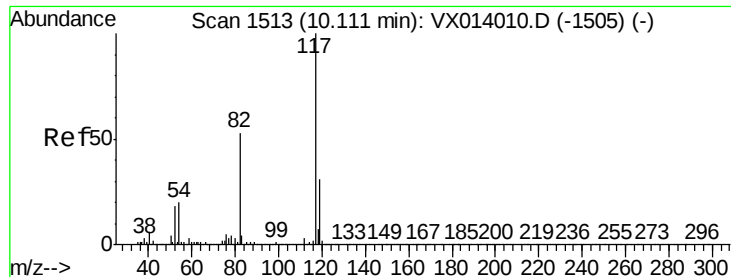
Ion Ratio Lower Upper

95 100

174 90.9 0.0 175.8

176 87.7 0.0 173.0

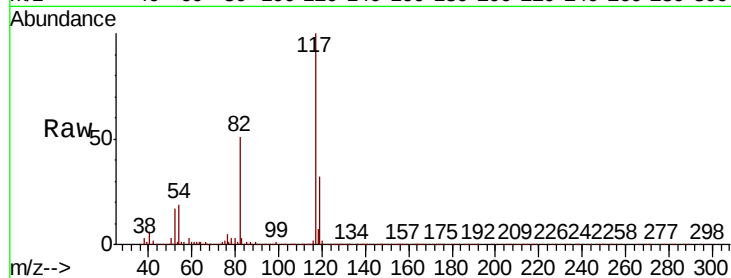




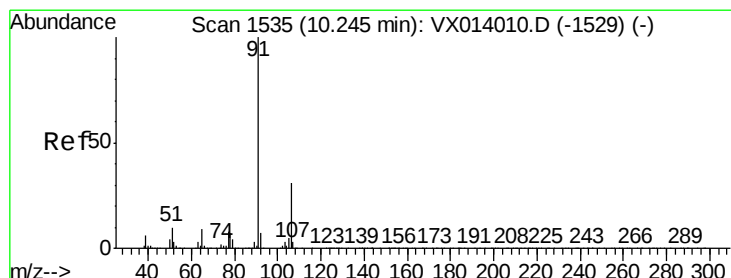
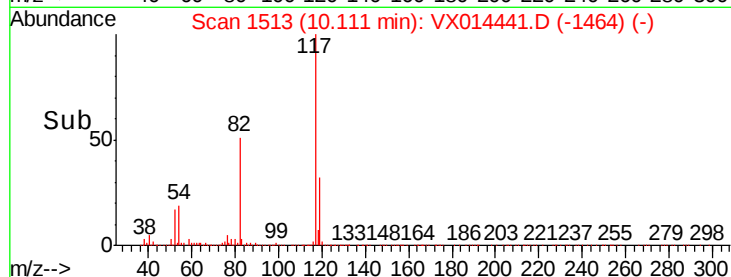
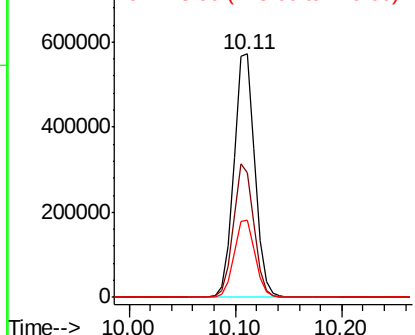
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX014441.D
Acq: 06 Jan 2020 20:35

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.3	42.2	63.4
119	31.7	25.1	37.7

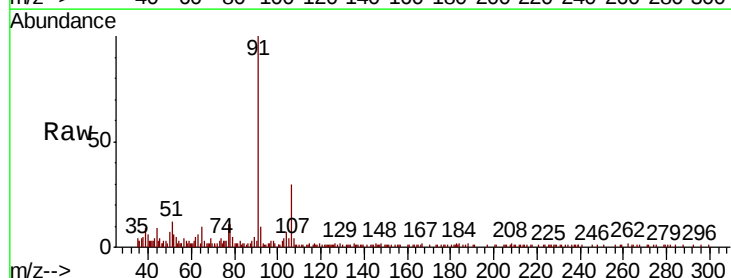


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

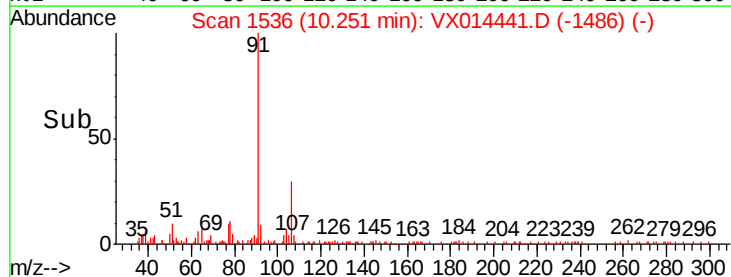
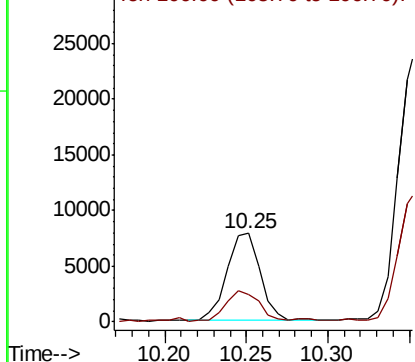


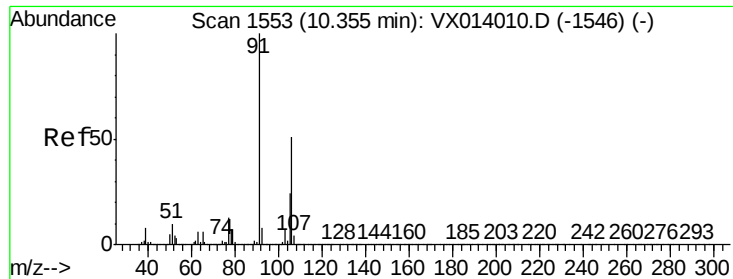
#67
Ethyl Benzene
Concen: 0.393 ug/l
RT: 10.25 min Scan# 1536
Delta R.T. 0.01 min
Lab File: VX014441.D
Acq: 06 Jan 2020 20:35

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.2	25.0	37.6



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 106.00 (105.70 to 106.70): V





#68

m/p-Xylenes

Concen: 1.473 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX014441.D

Acq: 06 Jan 2020 20:35

Instrument :

MSVOA_X

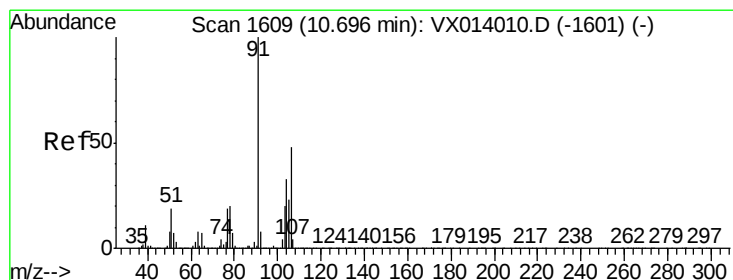
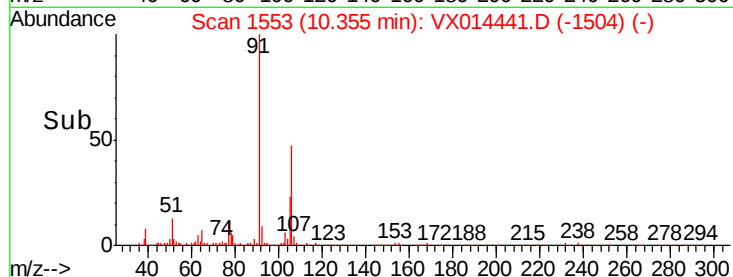
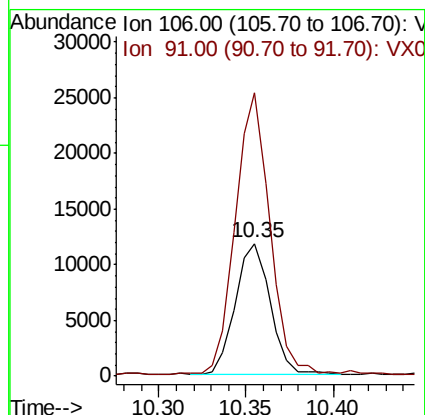
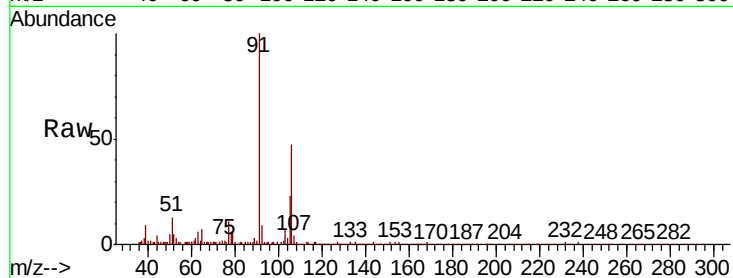
ClientSampleId :

Tot Ion:106 Resp: 16358

Ion Ratio Lower Upper

106 100

91 213.1 158.6 238.0



#69

o-Xylene

Concen: 0.598 ug/l

RT: 10.70 min Scan# 1609

Delta R.T. 0.00 min

Lab File: VX014441.D

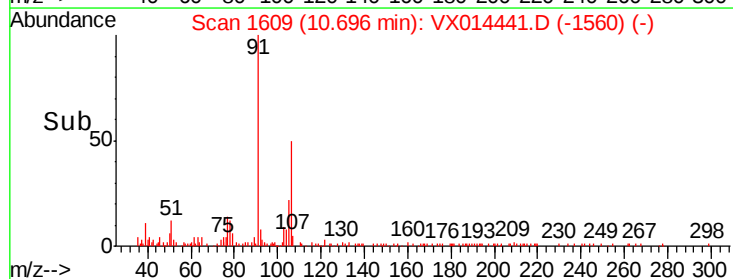
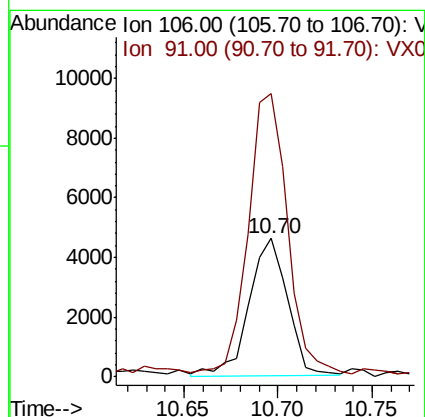
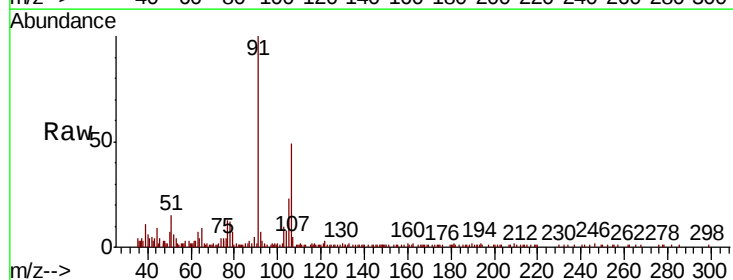
Acq: 06 Jan 2020 20:35

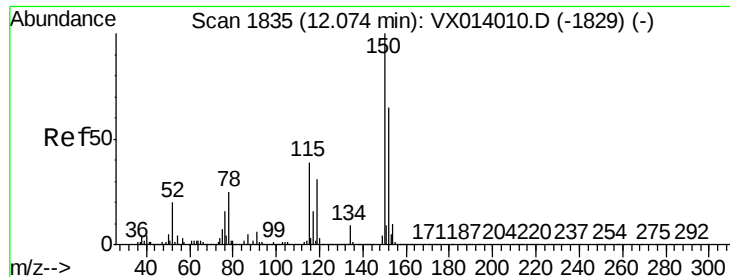
Tgt Ion:106 Resp: 6518

Ion Ratio Lower Upper

106 100

91 205.5 104.2 312.6



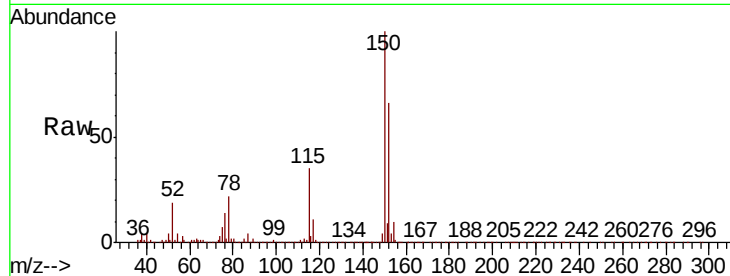


#72

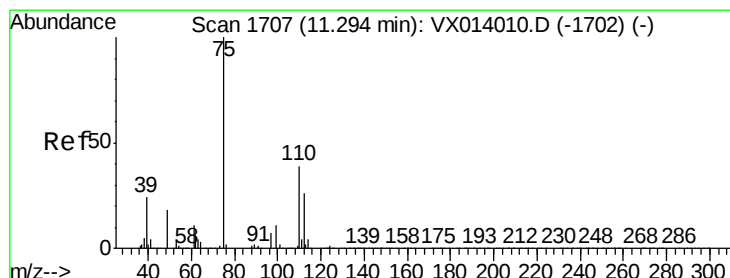
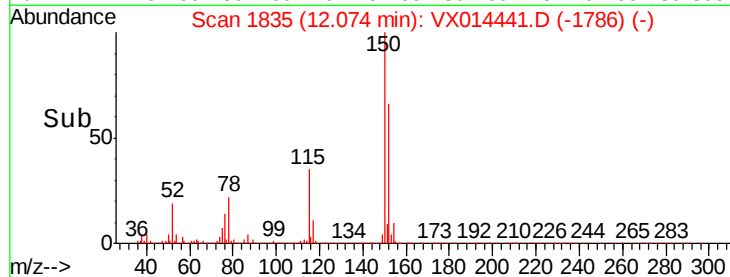
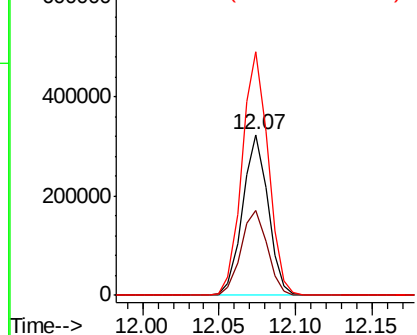
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX014441.D
Acq: 06 Jan 2020 20:35

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	54.6	38.3	114.9
150	155.6	0.0	345.4



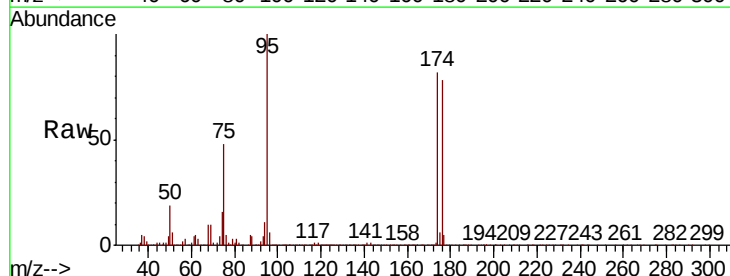
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



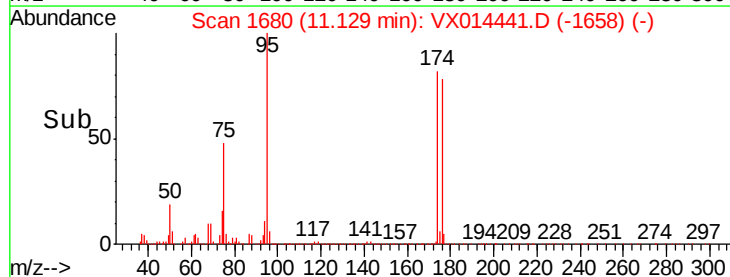
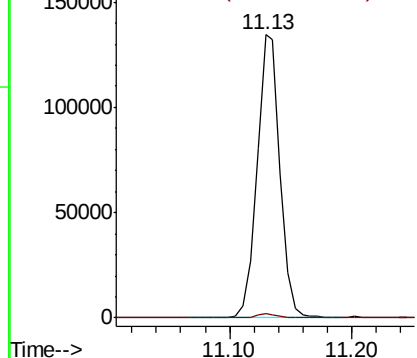
#76

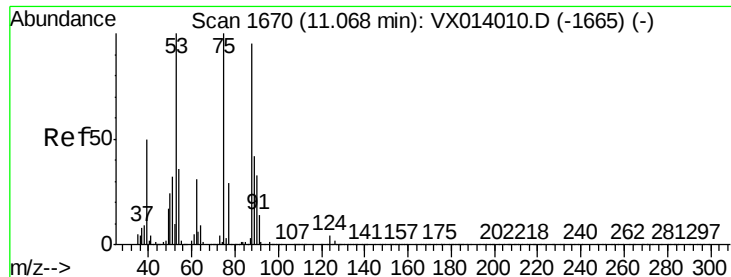
1,2,3-Trichloropropane
Concen: 21.580 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.16 min
Lab File: VX014441.D
Acq: 06 Jan 2020 20:35

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.6	19.3	57.8#



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

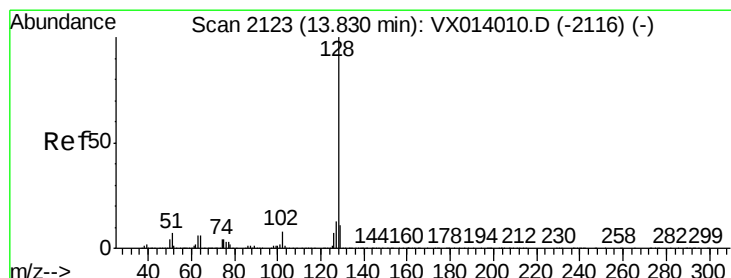
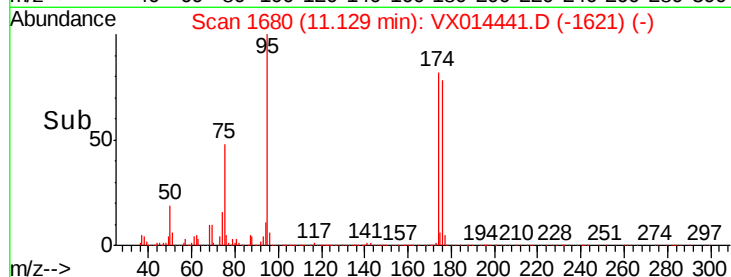
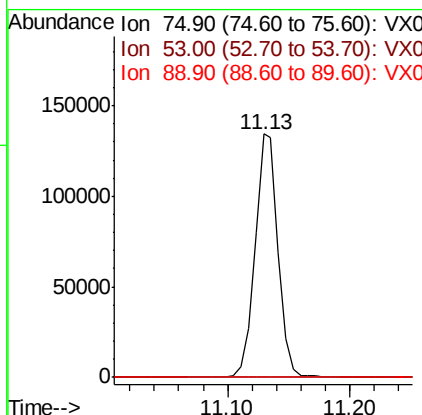
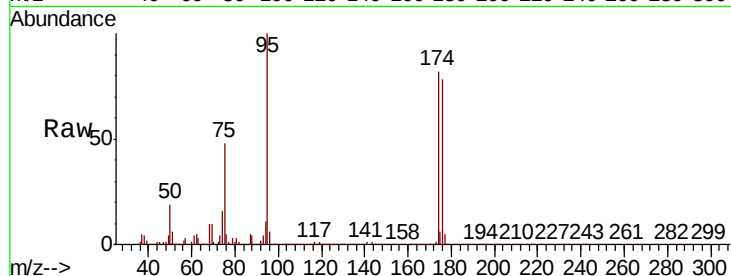




#81
trans-1,4-Dichloro-2-butene
Concen: 60.909 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.06 min
Lab File: VX014441.D
Acq: 06 Jan 2020 20:35

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 75 Resp: 174736
Ion Ratio Lower Upper
75 100
53 0.1 76.7 115.1#
89 0.1 34.6 51.8#



#95
Naphthalene
Concen: 0.287 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX014441.D
Acq: 06 Jan 2020 20:35

Tgt Ion:128 Resp: 6990
Ion Ratio Lower Upper
128 100
127 17.8 10.2 15.4#
129 14.3 8.7 13.1#

