

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091520\
 Data File : VX018409.D
 Acq On : 15 Sep 2020 16:08
 Operator : JC/SP
 Sample : L3871-11
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TR-04-091420

Quant Time: Sep 16 03:37:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082120W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 03:03:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	441709	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	723110	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	704968	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	364836	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	322802	52.64	ug/l	0.00
Spiked Amount			Recovery	=	105.28%	
35) Dibromofluoromethane	5.46	113	248734	50.51	ug/l	0.00
Spiked Amount			Recovery	=	101.02%	
50) Toluene-d8	8.70	98	883204	48.15	ug/l	0.00
Spiked Amount			Recovery	=	96.30%	
62) 4-Bromofluorobenzene	11.12	95	341175	47.28	ug/l	0.00
Spiked Amount			Recovery	=	94.56%	

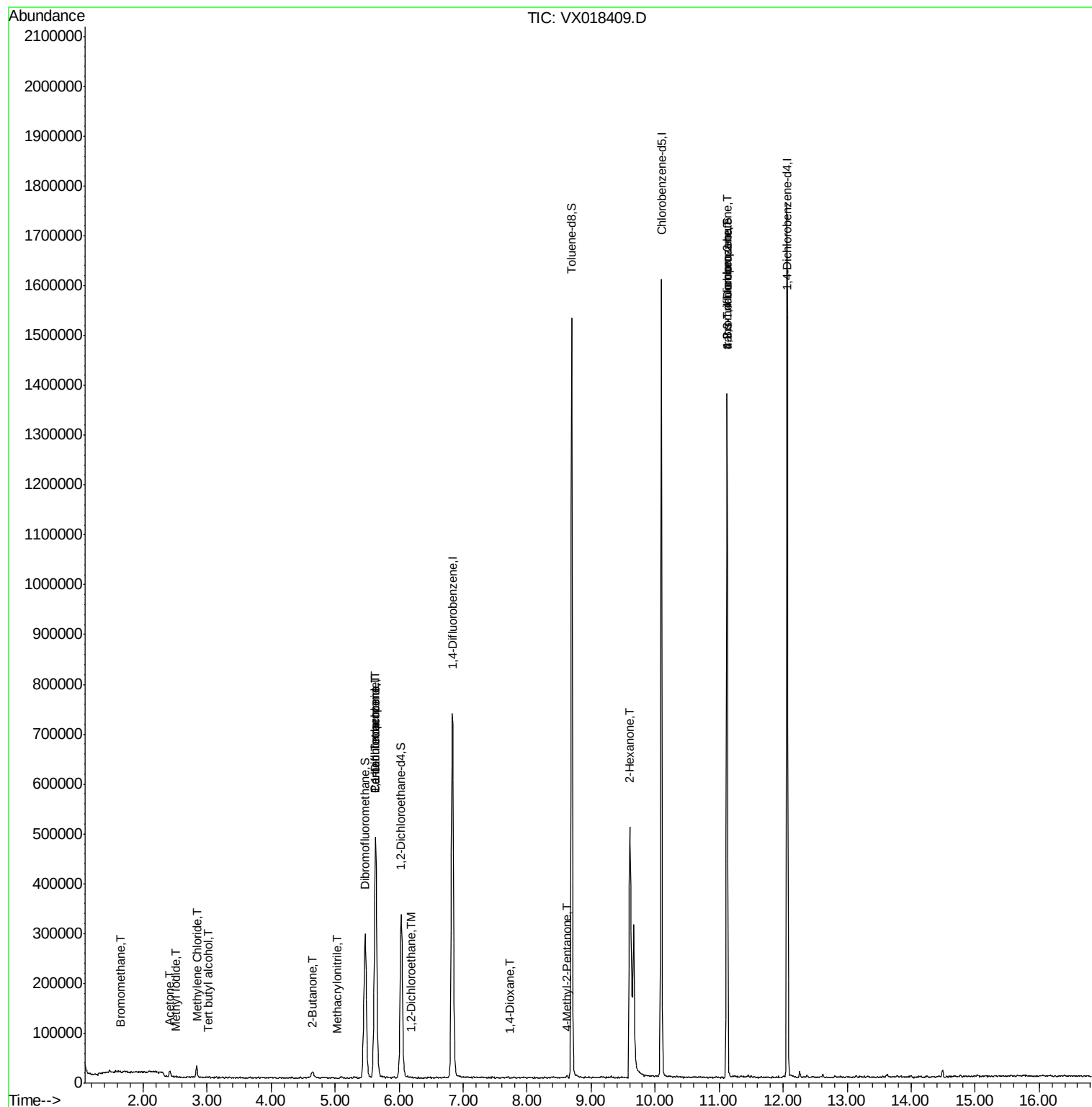
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	623	0.229	ug/l #	32
10) Methyl Iodide	2.51	142	1083	5.504	ug/l #	82
11) Tert butyl alcohol	3.01	59	743	0.623	ug/l #	80
16) Acetone	2.42	43	11835	4.953	ug/l	92
20) Methylene Chloride	2.83	84	9895	0.878	ug/l	93
25) 2-Butanone	4.64	43	3037	0.773	ug/l #	59
36) 1,1-Dichloropropene	5.63	75	35781	5.365	ug/l #	52
38) Carbon Tetrachloride	5.64	117	46573	6.196	ug/l #	18
41) Methacrylonitrile	5.04	41	1438	0.338	ug/l #	34
42) 1,2-Dichloroethane	6.18	62	2014	0.268	ug/l	81
49) 1,4-Dioxane	7.73	88	91	0.807	ug/l #	1
51) 4-Methyl-2-Pentanone	8.62	43	3019	0.391	ug/l #	84
59) 2-Hexanone	9.60	43	143752	24.461	ug/l #	35
76) 1,2,3-Trichloropropane	11.12	75	175055	21.569	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	175055	58.255	ug/l #	12

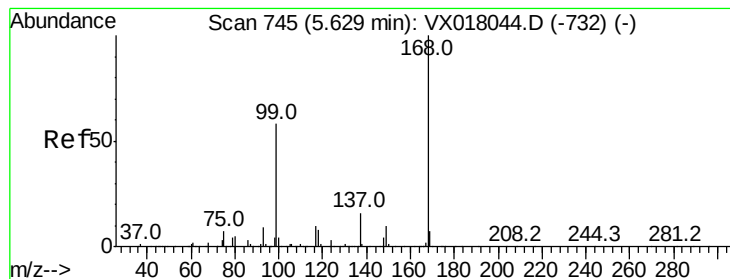
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Aug 21 03:03:56 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX018409.D

Acq: 15 Sep 2020 16:08

Instrument :

MSVOA_X

ClientSampleId :

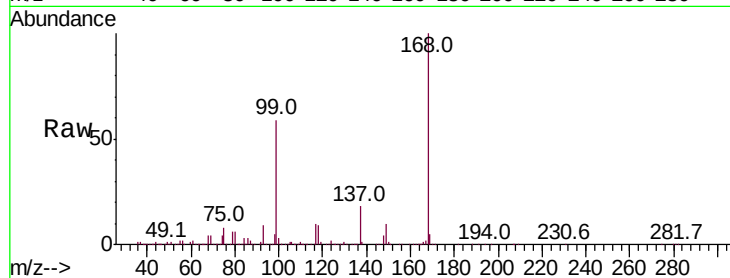
TR-04-091420

Tot Ion:168 Resp: 441709

Ion Ratio Lower Upper

168 100

99 58.5 46.3 69.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

150000

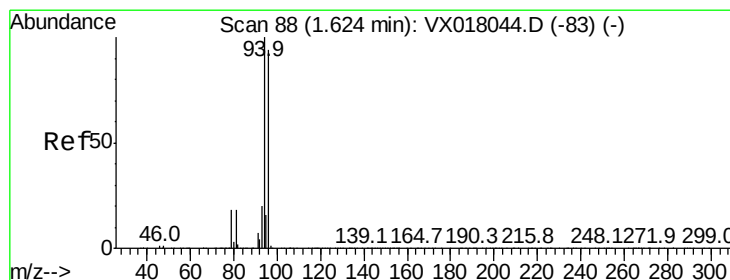
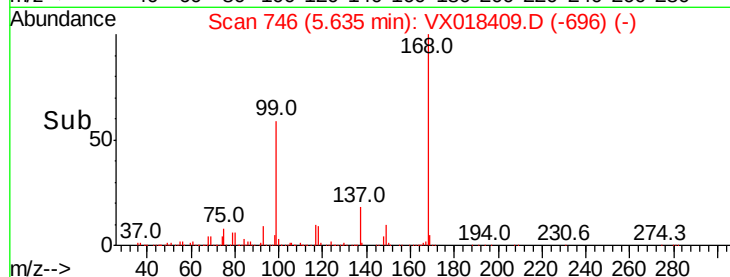
100000

50000

0

Time-->

5.50 5.60 5.70



#5

Bromomethane

Concen: 0.229 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX018409.D

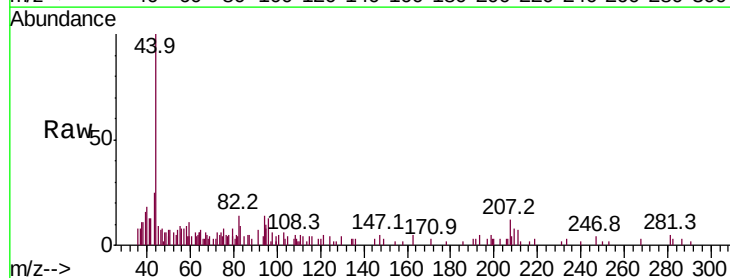
Acq: 15 Sep 2020 16:08

Tgt Ion: 94 Resp: 623

Ion Ratio Lower Upper

94 100

96 28.0 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

500

400

300

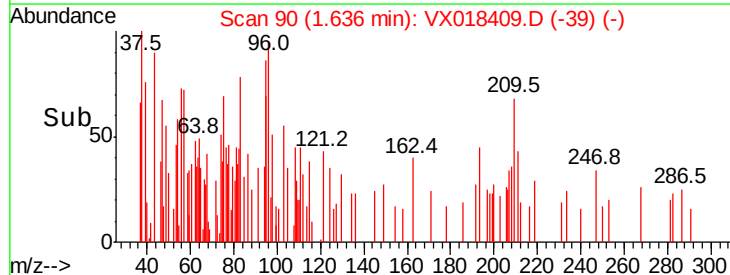
200

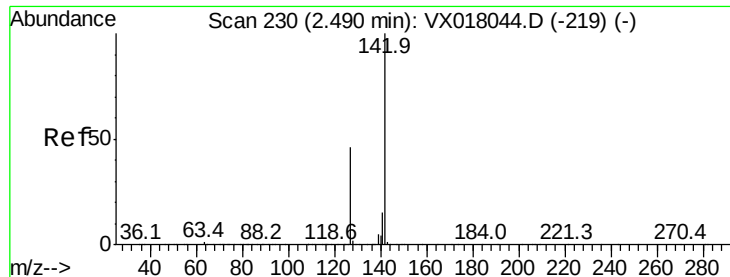
100

0

Time-->

1.60 1.62 1.64 1.66 1.68

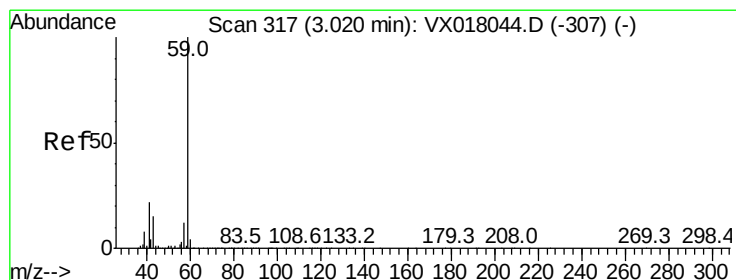
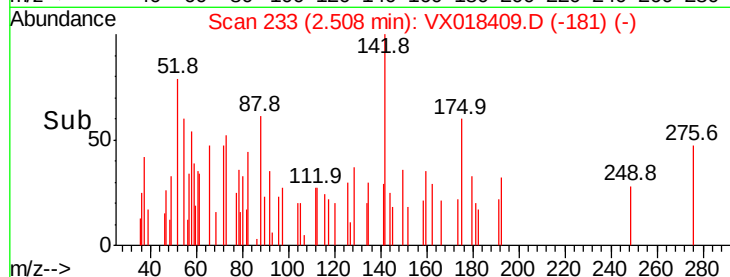
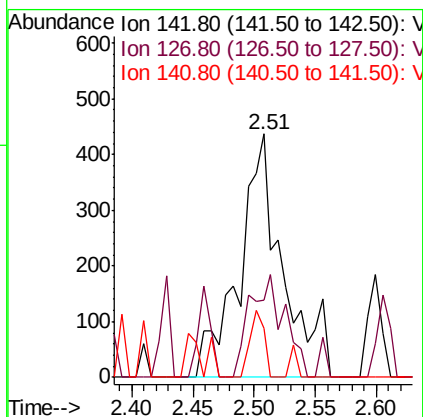
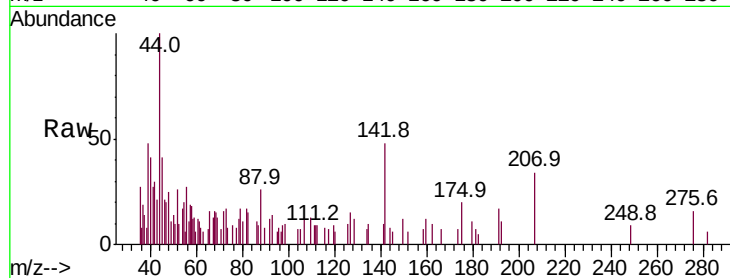




#10
Methyl Iodide
Concen: 5.504 ug/l
RT: 2.51 min Scan# 233
Delta R.T. 0.02 min
Lab File: VX018409.D
Acq: 15 Sep 2020 16:08

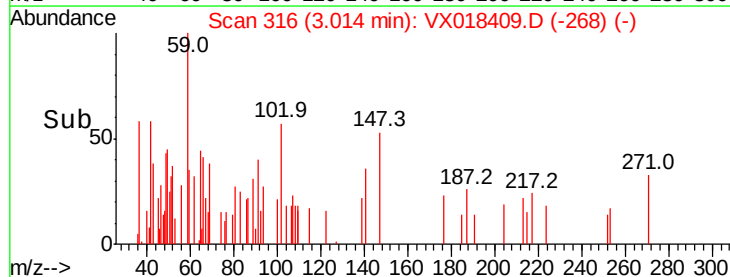
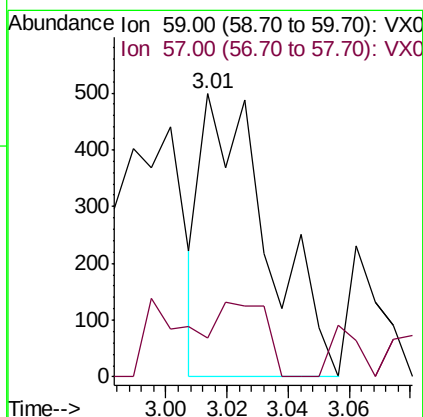
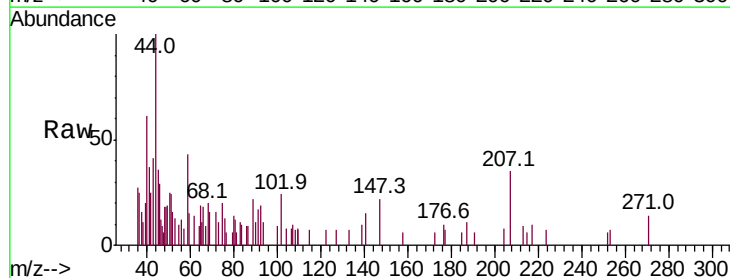
Instrument :
MSVOA_X
ClientSampleId :
TR-04-091420

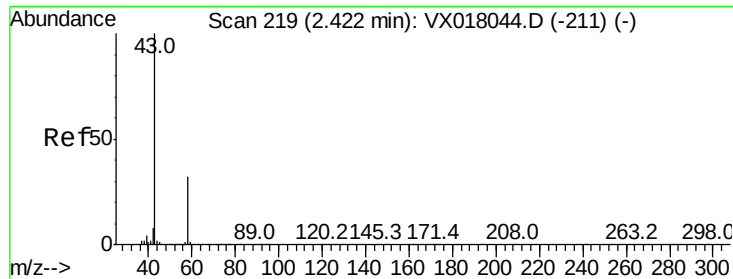
Tot Ion:142 Resp: 1083
Ion Ratio Lower Upper
142 100
127 33.5 37.0 55.6#
141 9.0 11.5 17.3#



#11
Tert butyl alcohol
Concen: 0.623 ug/l
RT: 3.01 min Scan# 316
Delta R.T. -0.01 min
Lab File: VX018409.D
Acq: 15 Sep 2020 16:08

Tgt Ion: 59 Resp: 743
Ion Ratio Lower Upper
59 100
57 18.7 8.9 13.3#

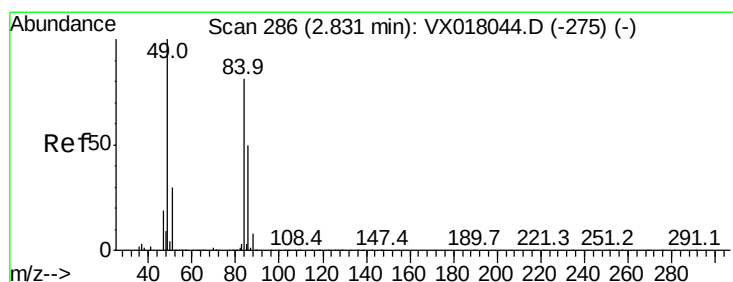
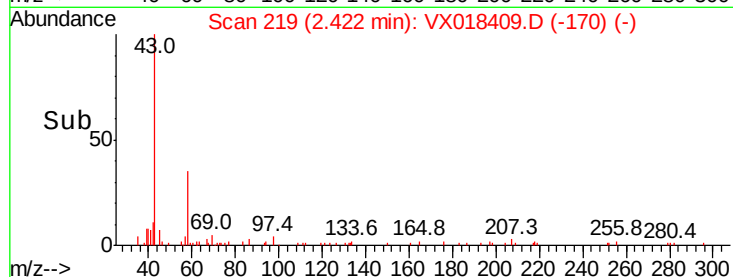
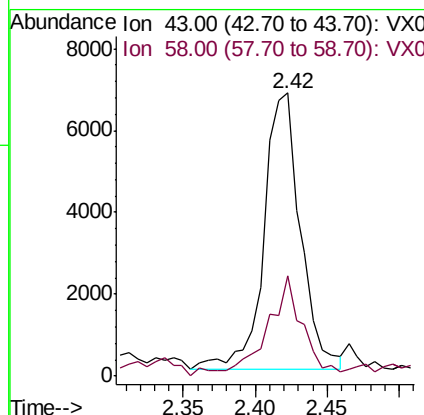
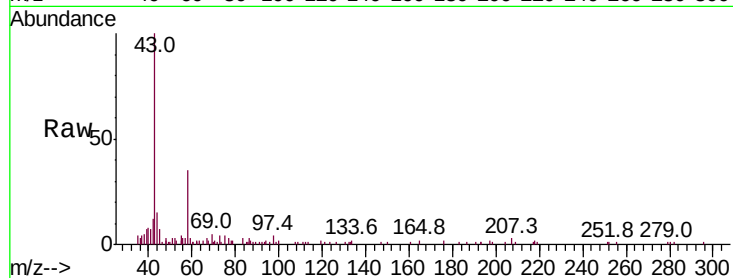




#16
Acetone
Concen: 4.953 ug/l
RT: 2.42 min Scan# 219
Delta R.T. -0.00 min
Lab File: VX018409.D
Acq: 15 Sep 2020 16:08

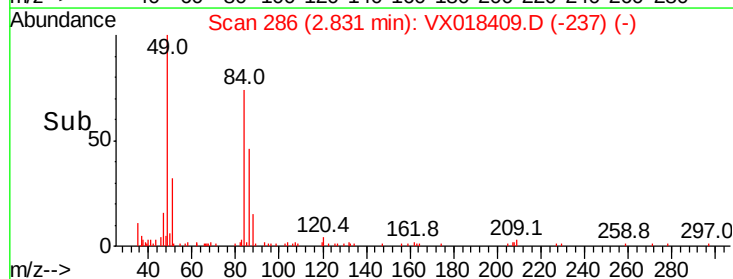
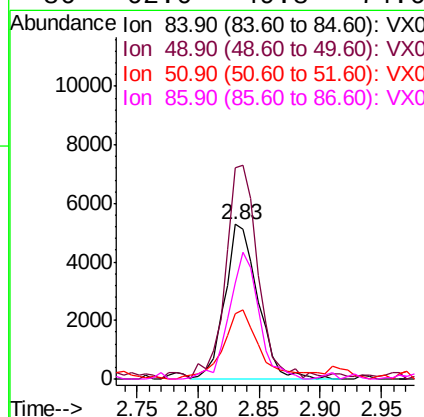
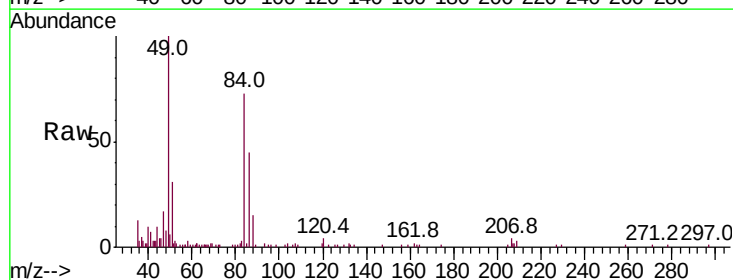
Instrument :
MSVOA_X
ClientSampleId :
TR-04-091420

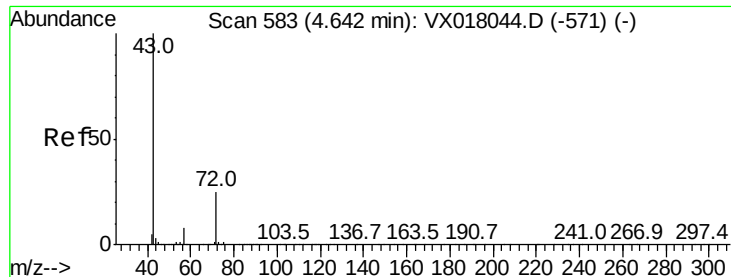
Tot Ion: 43 Resp: 11835
Ion Ratio Lower Upper
43 100
58 36.2 25.5 38.3



#20
Methylene Chloride
Concen: 0.878 ug/l
RT: 2.83 min Scan# 286
Delta R.T. 0.00 min
Lab File: VX018409.D
Acq: 15 Sep 2020 16:08

Tgt Ion: 84 Resp: 9895
Ion Ratio Lower Upper
84 100
49 135.7 98.6 148.0
51 39.4 29.6 44.4
86 62.0 49.8 74.6

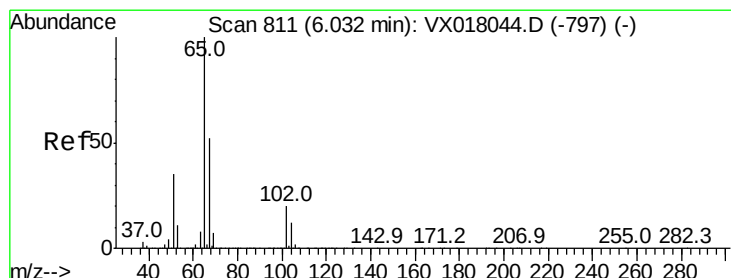
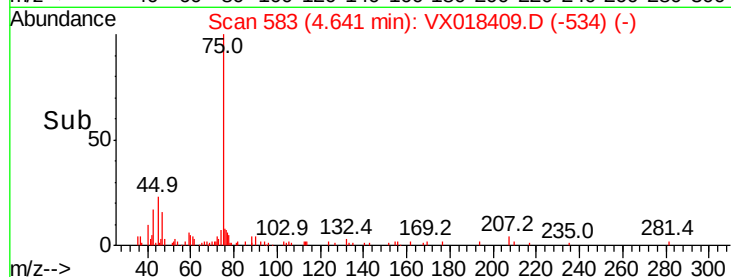
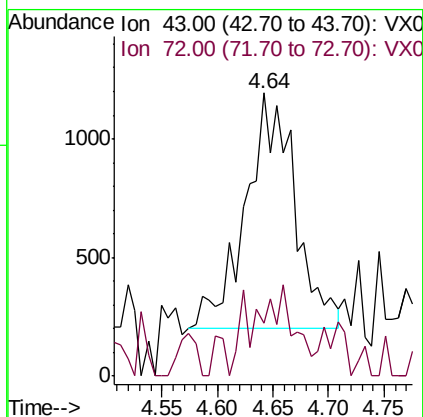
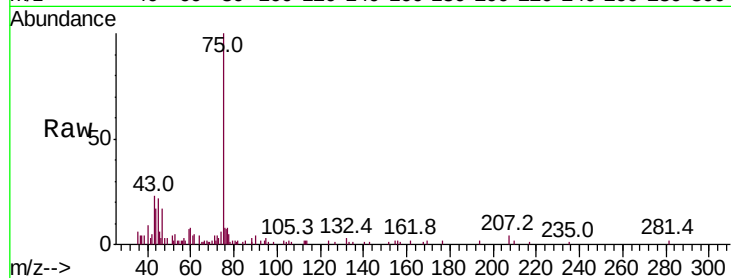




#25
2-Butanone
Concen: 0.773 ug/l
RT: 4.64 min Scan# 583
Delta R.T. -0.00 min
Lab File: VX018409.D
Acq: 15 Sep 2020 16:08

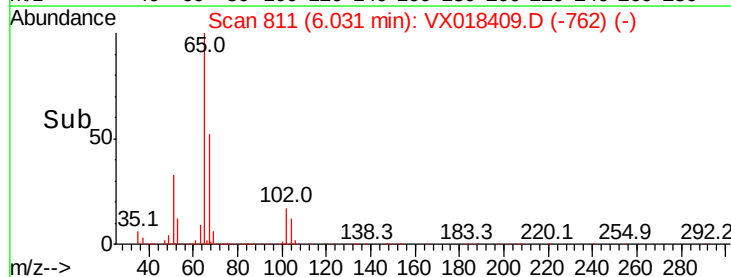
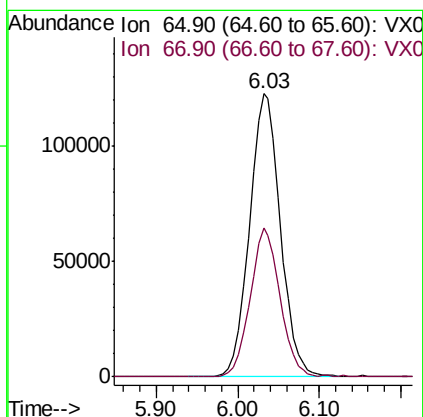
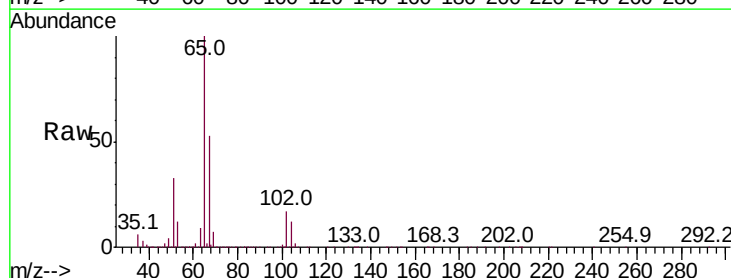
Instrument :
MSVOA_X
ClientSampleId :
TR-04-091420

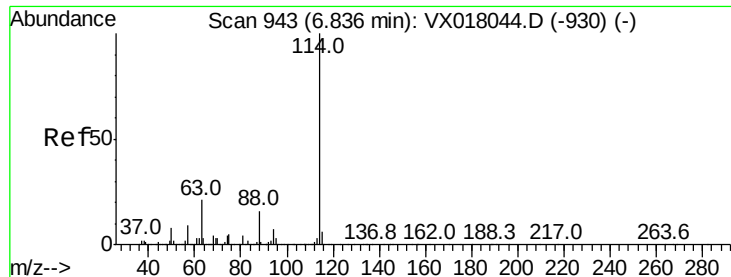
Tot Ion: 43 Resp: 3037
Ion Ratio Lower Upper
43 100
72 4.1 19.8 29.6#



#33
1,2-Dichloroethane-d4
Concen: 52.642 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX018409.D
Acq: 15 Sep 2020 16:08

Tgt Ion: 65 Resp: 322802
Ion Ratio Lower Upper
65 100
67 51.3 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.01 min

Lab File: VX018409.D

Acq: 15 Sep 2020 16:08

Instrument :

MSVOA_X

ClientSampleId :

TR-04-091420

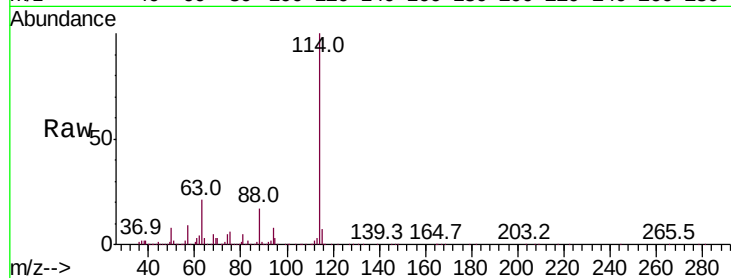
Tot Ion:114 Resp: 723110

Ion Ratio Lower Upper

114 100

63 20.8 0.0 42.6

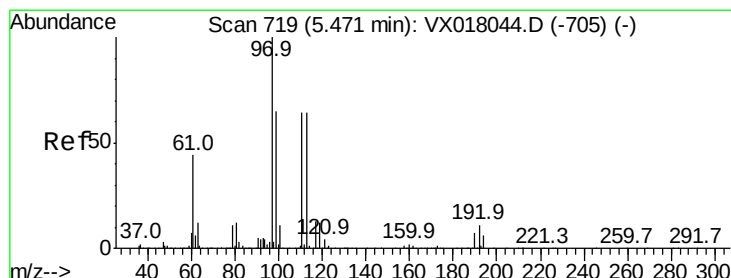
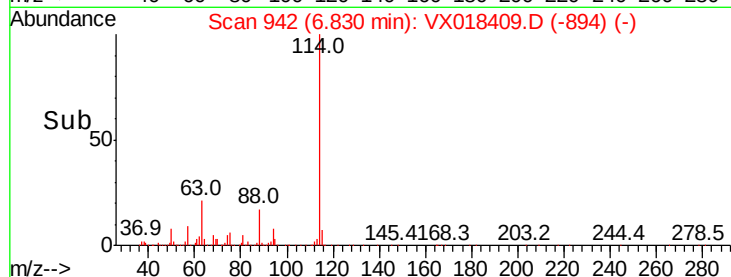
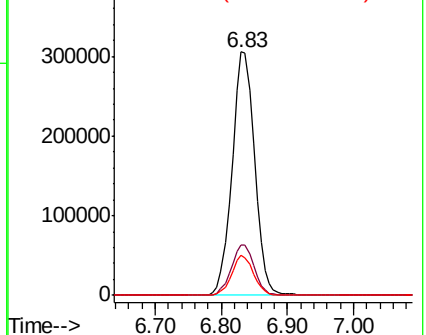
88 16.6 0.0 31.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 50.507 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX018409.D

Acq: 15 Sep 2020 16:08

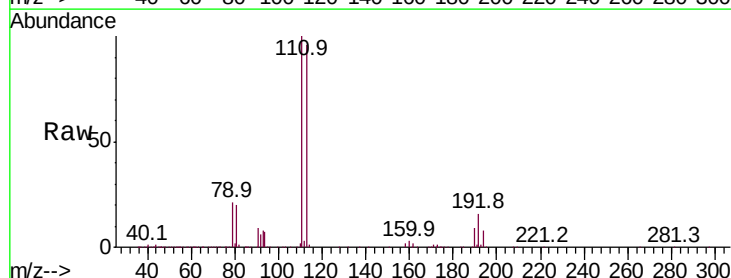
Tgt Ion:113 Resp: 248734

Ion Ratio Lower Upper

113 100

111 103.0 81.6 122.4

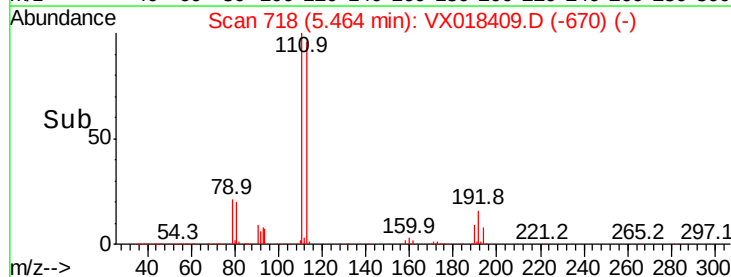
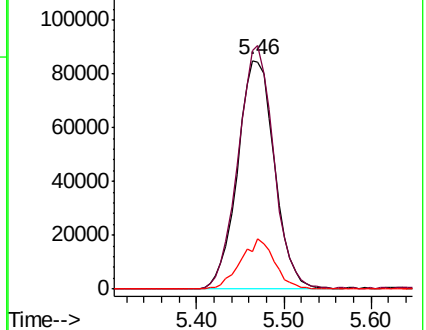
192 20.2 15.8 23.8

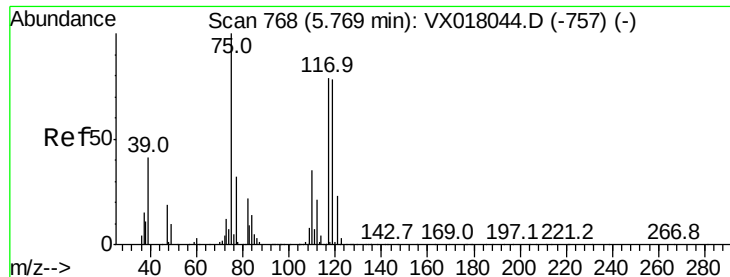


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.365 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX018409.D

Acq: 15 Sep 2020 16:08

Instrument :

MSVOA_X

ClientSampleId :

TR-04-091420

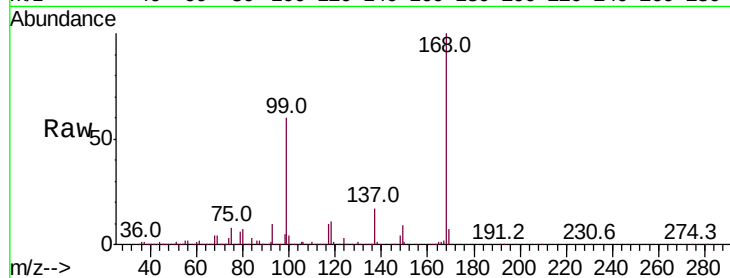
Tot Ion: 75 Resp: 35781

Ion Ratio Lower Upper

75 100

110 11.5 18.0 54.0#

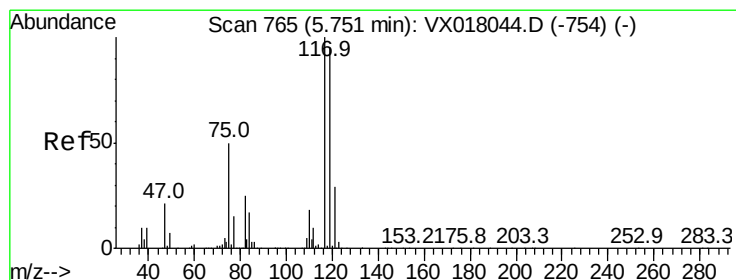
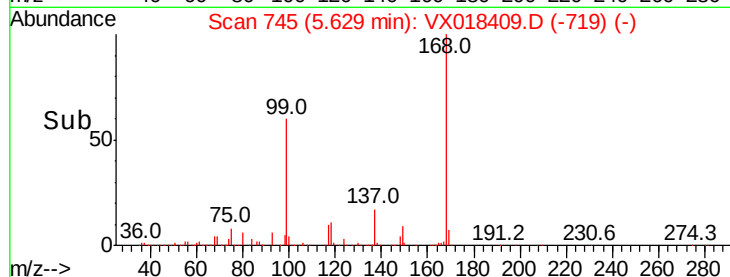
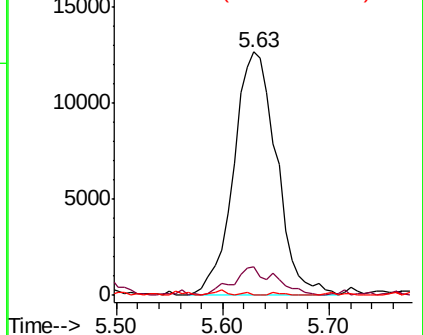
77 0.2 24.4 36.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38

Carbon Tetrachloride

Concen: 6.196 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX018409.D

Acq: 15 Sep 2020 16:08

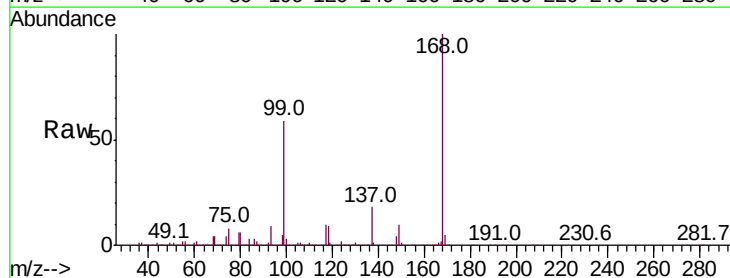
Tgt Ion: 117 Resp: 46573

Ion Ratio Lower Upper

117 100

119 7.0 75.8 113.6#

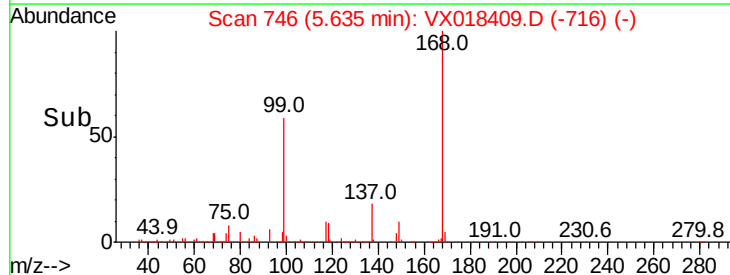
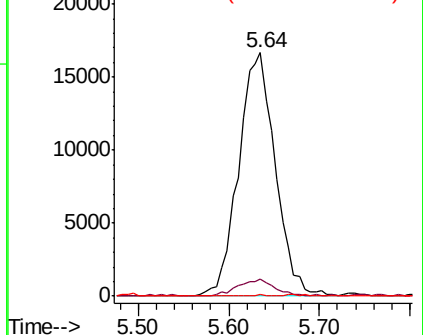
121 0.5 23.4 35.0#

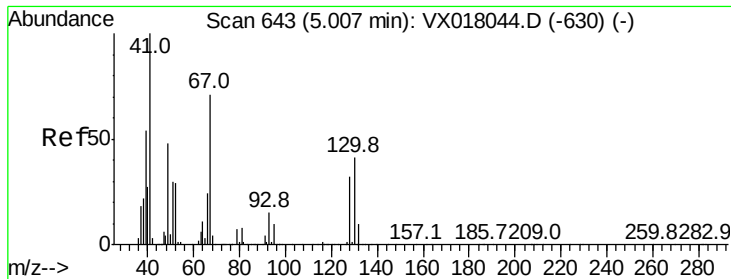


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#41

Methacrylonitrile

Concen: 0.338 ug/l

RT: 5.04 min Scan# 648

Delta R.T. 0.03 min

Lab File: VX018409.D

Acq: 15 Sep 2020 16:08

Instrument :

MSVOA_X

ClientSampled :

TR-04-091420

Tot Ion: 41 Resp: 1438

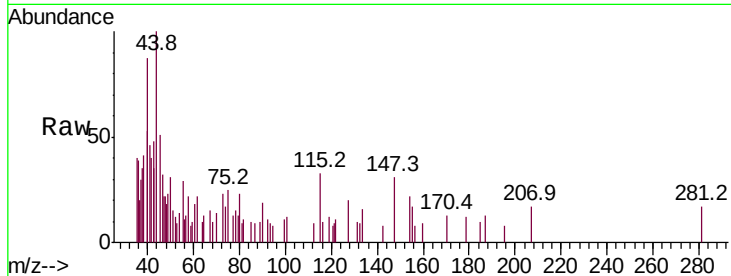
Ion Ratio Lower Upper

41 100

39 0.0 43.1 64.7#

67 6.8 56.0 84.0#

52 17.4 22.7 34.1#

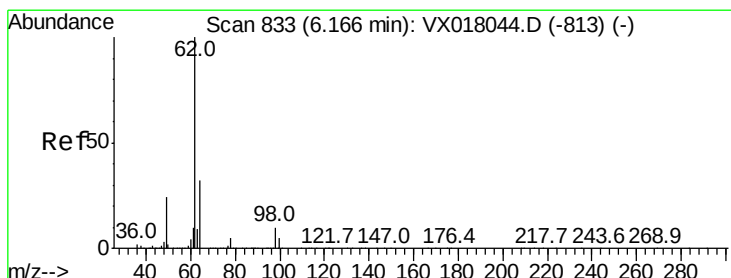
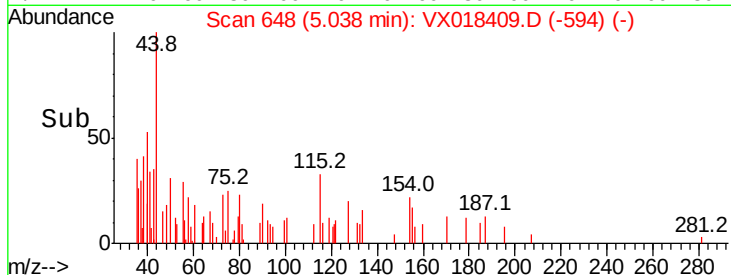
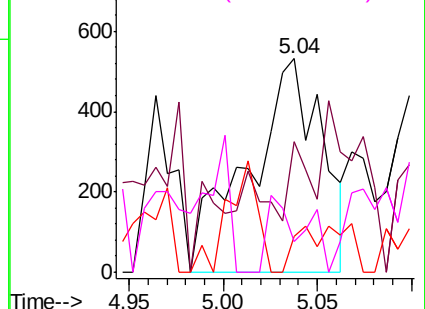


Abundance Ion 41.00 (40.70 to 41.70): VX0

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



#42

1,2-Dichloroethane

Concen: 0.268 ug/l

RT: 6.18 min Scan# 836

Delta R.T. 0.02 min

Lab File: VX018409.D

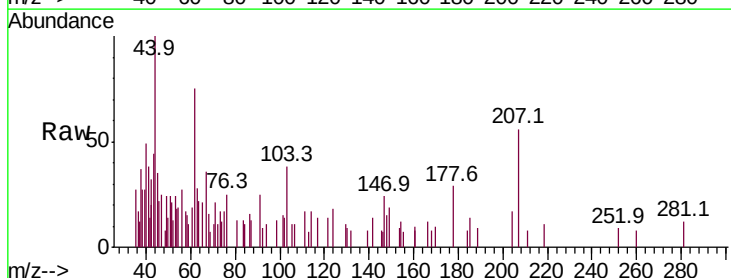
Acq: 15 Sep 2020 16:08

Tgt Ion: 62 Resp: 2014

Ion Ratio Lower Upper

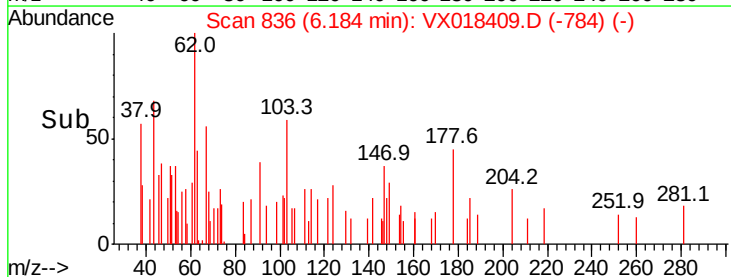
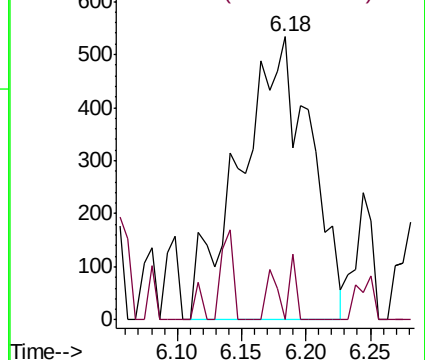
62 100

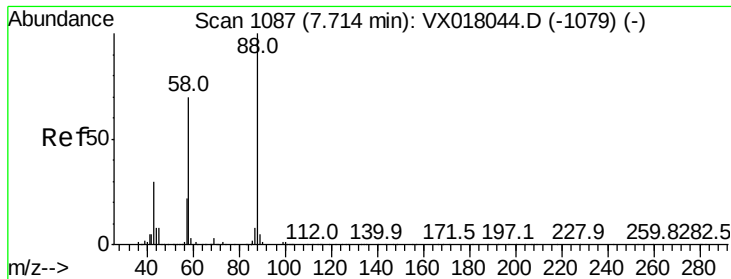
98 2.2 0.0 18.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#49

1,4-Dioxane

Concen: 0.807 ug/l

RT: 7.73 min Scan# 1090

Delta R.T. 0.02 min

Lab File: VX018409.D

Acq: 15 Sep 2020 16:08

Instrument :

MSVOA_X

ClientSampled :

TR-04-091420

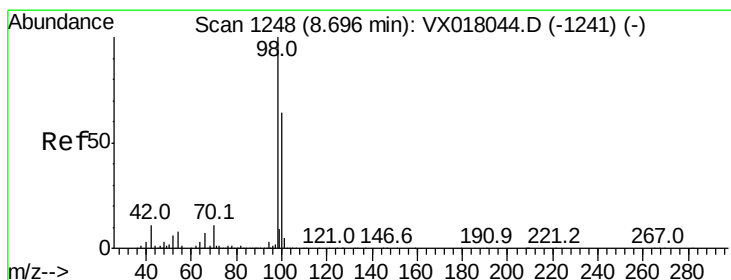
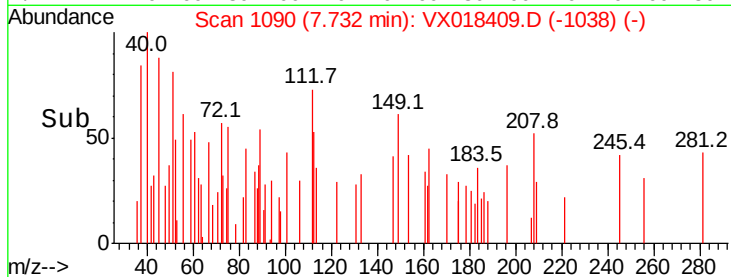
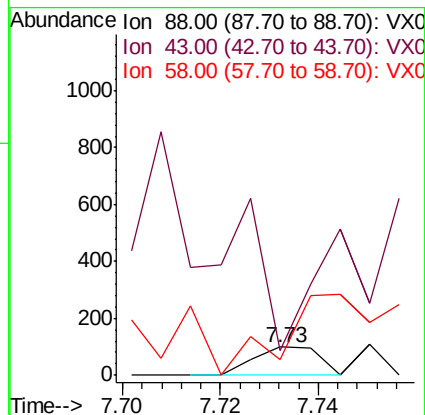
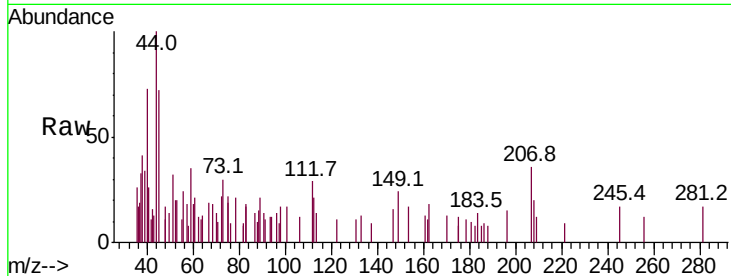
Tot Ion: 88 Resp: 91

Ion Ratio Lower Upper

88 100

43 331.9 27.4 41.0#

58 862.6 56.4 84.6#



#50

Toluene-d8

Concen: 48.151 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018409.D

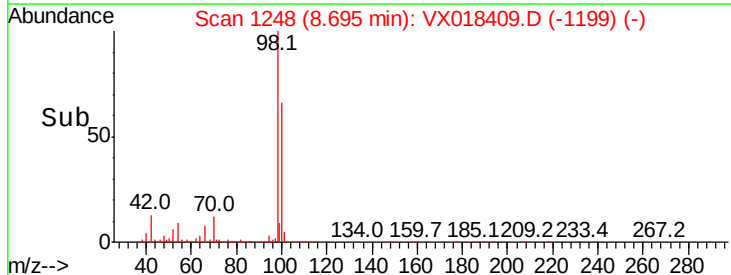
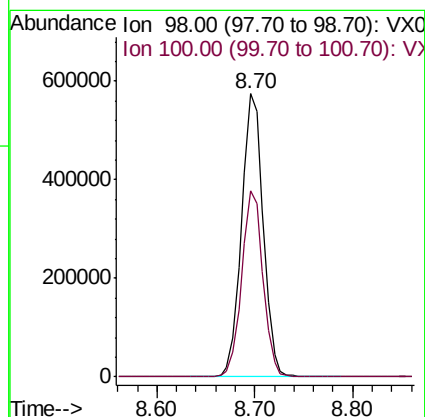
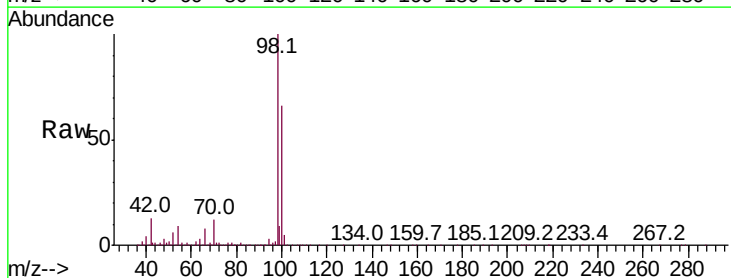
Acq: 15 Sep 2020 16:08

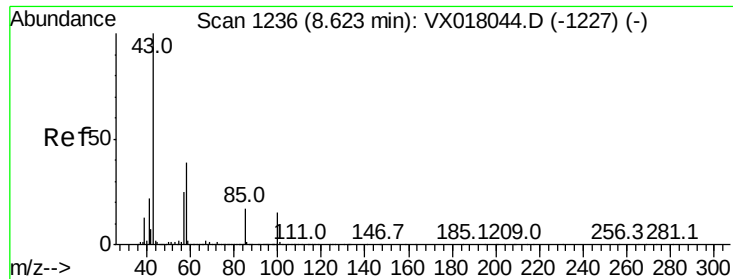
Tgt Ion: 98 Resp: 883204

Ion Ratio Lower Upper

98 100

100 64.5 52.2 78.4

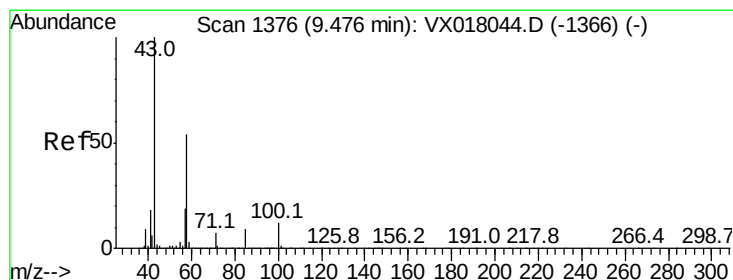
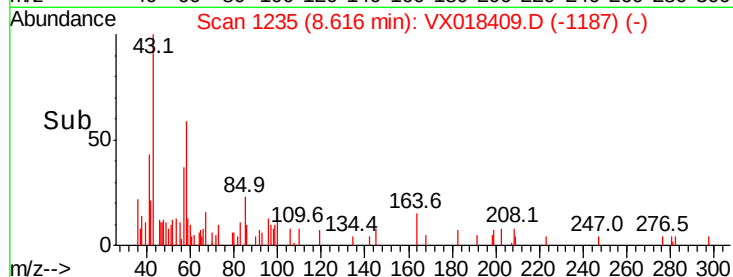
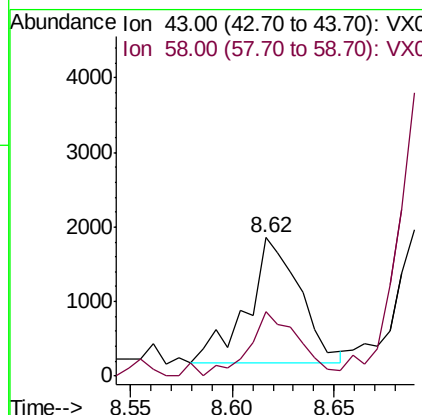
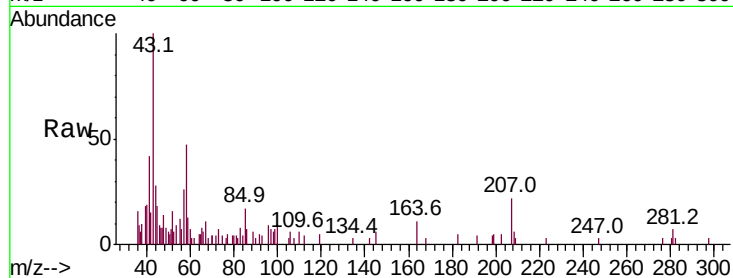




#51
 4-Methyl-2-Pentanone
 Concen: 0.391 ug/l
 RT: 8.62 min Scan# 1235
 Delta R.T. -0.01 min
 Lab File: VX018409.D
 Acq: 15 Sep 2020 16:08

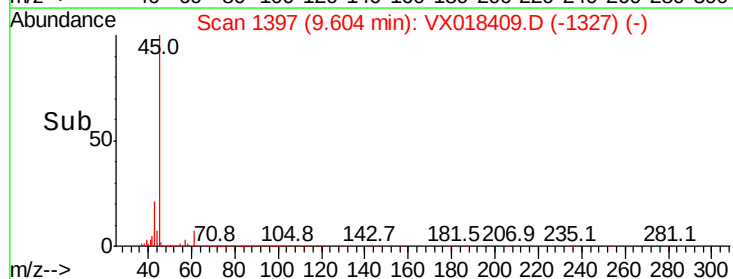
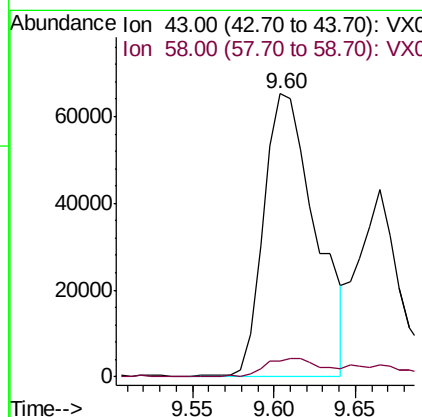
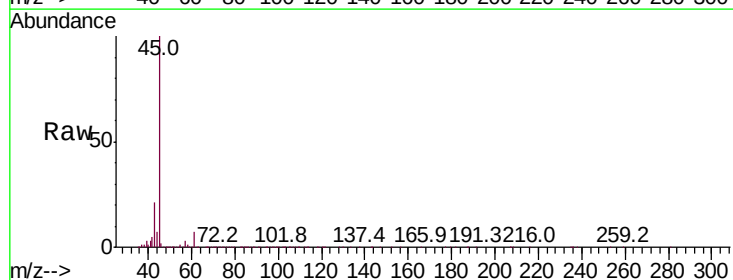
Instrument :
 MSVOA_X
 ClientSampleId :
 TR-04-091420

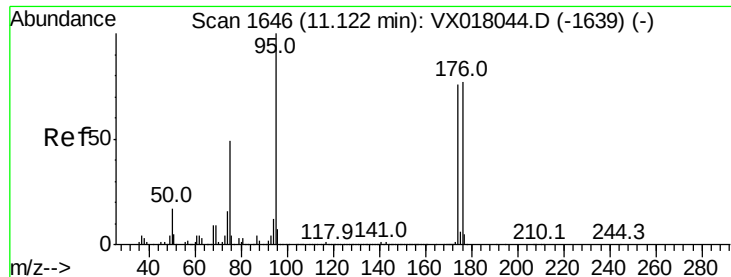
Tot Ion: 43 Resp: 3019
 Ion Ratio Lower Upper
 43 100
 58 48.2 30.7 46.1#



#59
 2-Hexanone
 Concen: 24.461 ug/l
 RT: 9.60 min Scan# 1397
 Delta R.T. 0.13 min
 Lab File: VX018409.D
 Acq: 15 Sep 2020 16:08

Tgt Ion: 43 Resp: 143752
 Ion Ratio Lower Upper
 43 100
 58 7.1 26.6 79.7#





#62

4-Bromofluorobenzene

Concen: 47.276 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018409.D

Acq: 15 Sep 2020 16:08

Instrument :

MSVOA_X

ClientSampleId :

TR-04-091420

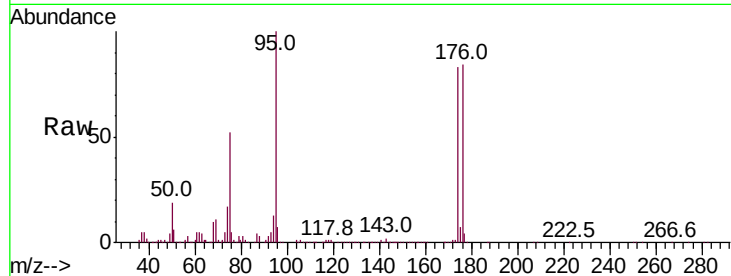
Tot Ion: 95 Resp: 341175

Ion Ratio Lower Upper

95 100

174 83.3 0.0 160.2

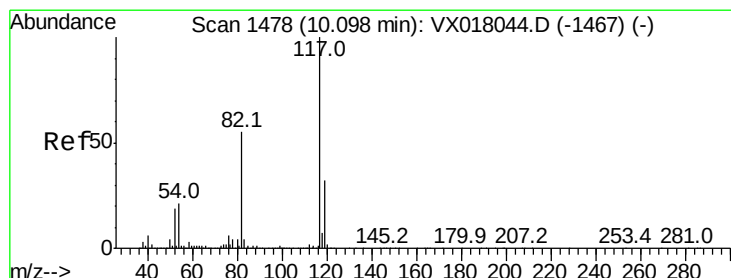
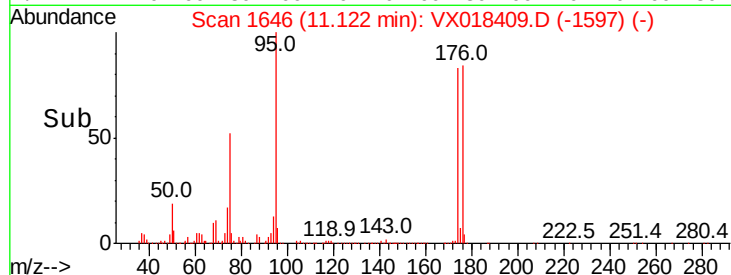
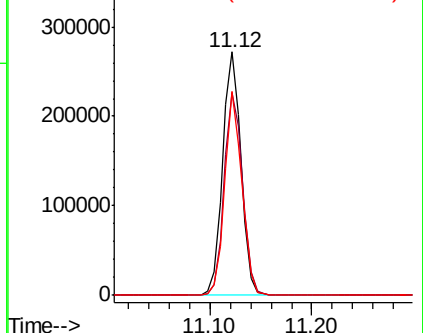
176 78.4 0.0 155.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX018409.D

Acq: 15 Sep 2020 16:08

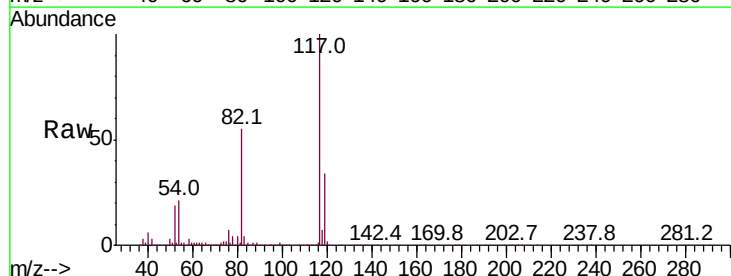
Tgt Ion: 117 Resp: 704968

Ion Ratio Lower Upper

117 100

82 55.1 44.2 66.2

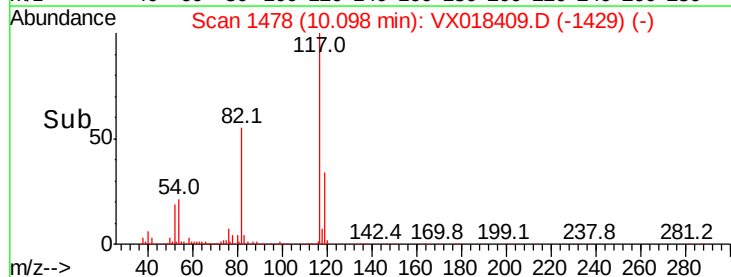
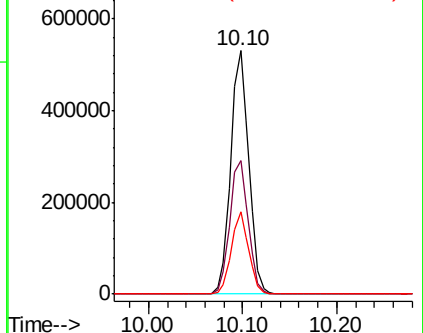
119 34.0 25.7 38.5

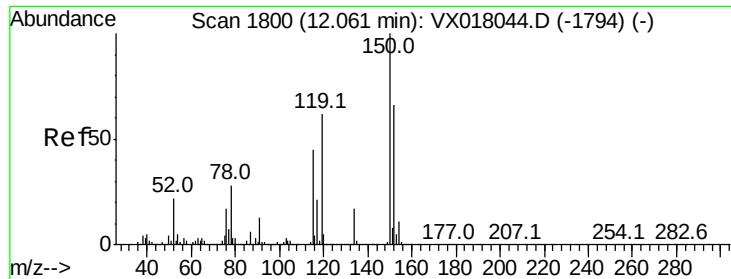


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX018409.D

Acq: 15 Sep 2020 16:08

Instrument :

MSVOA_X

ClientSampleId :

TR-04-091420

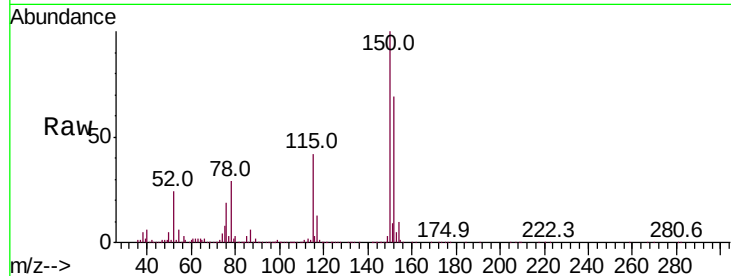
Tot Ion:152 Resp: 364836

Ion Ratio Lower Upper

152 100

115 57.3 41.5 124.5

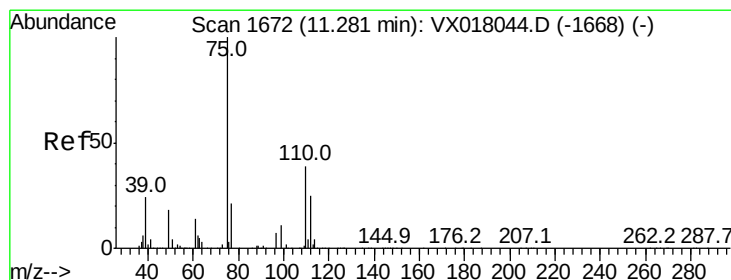
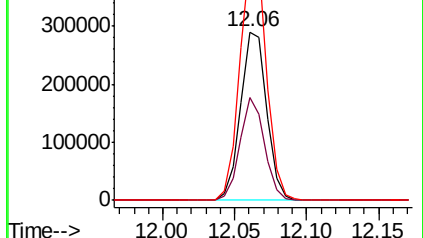
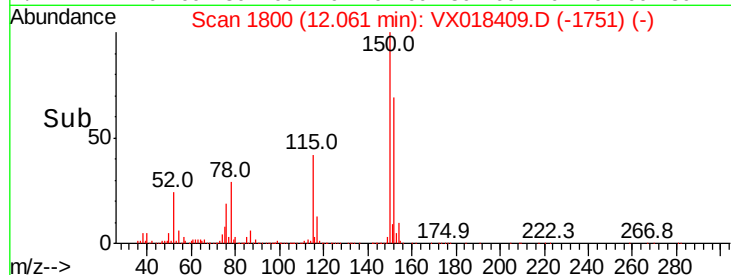
150 147.4 0.0 343.8



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: 21.569 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018409.D

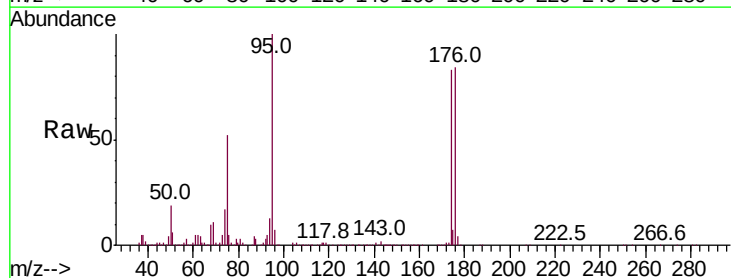
Acq: 15 Sep 2020 16:08

Tgt Ion: 75 Resp: 175055

Ion Ratio Lower Upper

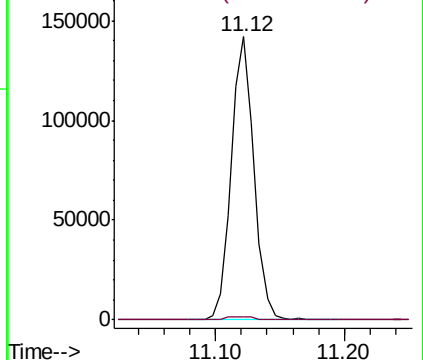
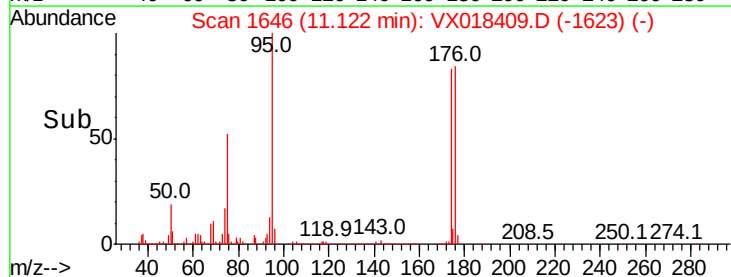
75 100

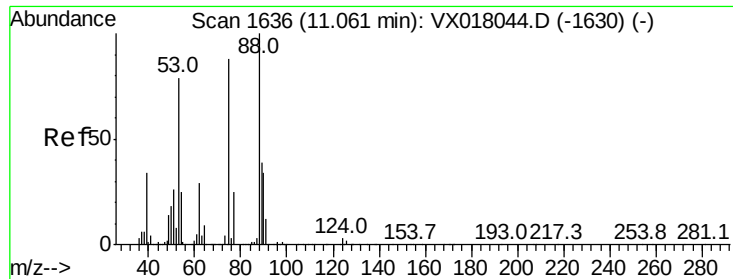
77 1.6 20.8 62.2#



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: 58.255 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018409.D

Acq: 15 Sep 2020 16:08

Instrument :

MSVOA_X

ClientSampleId :

TR-04-091420

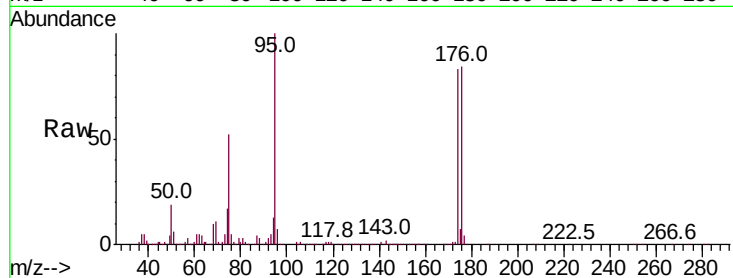
Tot Ion: 75 Resp: 175055

Ion Ratio Lower Upper

75 100

53 0.0 74.7 112.1#

89 0.0 36.6 54.8#



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

