

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062620\
 Data File : VX016988.D
 Acq On : 26 Jun 2020 17:00
 Operator : JC/SP
 Sample : L3097-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 27 04:25:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062620W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 26 08:34:16 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	233921	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	426357	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	431944	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	219836	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	185065	52.39	ug/l	0.00
Spiked Amount			Recovery	=	104.78%	
35) Dibromofluoromethane	5.47	113	144523	51.32	ug/l	0.00
Spiked Amount			Recovery	=	102.64%	
50) Toluene-d8	8.70	98	527613	51.11	ug/l	0.00
Spiked Amount			Recovery	=	102.22%	
62) 4-Bromofluorobenzene	11.12	95	220555	55.26	ug/l	0.00
Spiked Amount			Recovery	=	110.52%	

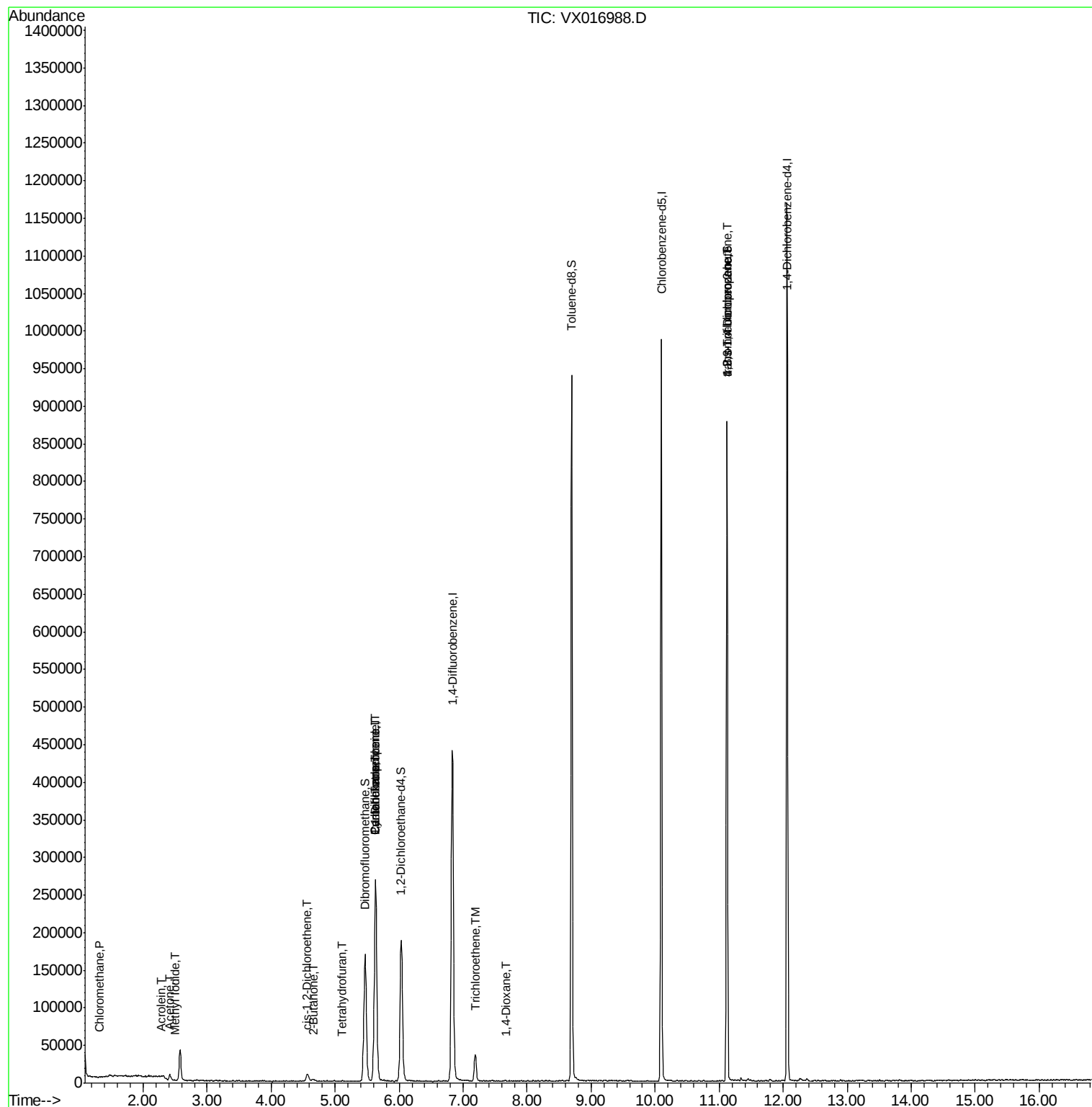
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1009	0.352	ug/l #	87
5) Bromomethane	1.64	94	523	Below Cal	#	52
10) Methyl Iodide	2.50	142	196	2.841	ug/l #	79
13) Acrolein	2.28	56	175	0.354	ug/l #	14
16) Acetone	2.42	43	7179	5.199	ug/l	94
25) 2-Butanone	4.67	43	1420	0.675	ug/l #	75
27) cis-1,2-Dichloroethene	4.57	96	5865	1.812	ug/l	86
29) Tetrahydrofuran	5.10	42	360	0.260	ug/l #	43
31) Cyclohexane	5.63	56	5902	1.331	ug/l #	13
36) 1,1-Dichloropropene	5.63	75	20720	4.908	ug/l #	51
38) Carbon Tetrachloride	5.64	117	25234	5.648	ug/l #	16
44) Trichloroethene	7.19	130	13314	4.114	ug/l	94
49) 1,4-Dioxane	7.67	88	55	0.742	ug/l #	23
76) 1,2,3-Trichloropropane	11.12	75	119478	25.898	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	119478	65.750	ug/l #	9

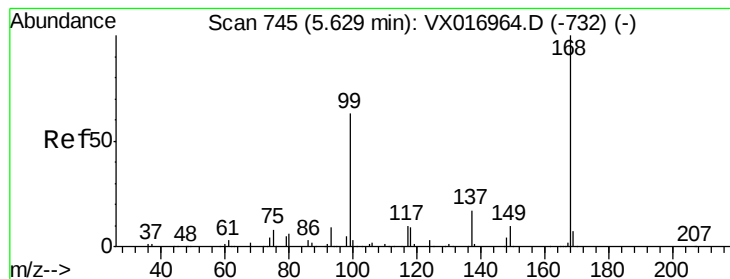
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Jun 26 08:34:16 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.00 min

Lab File: VX016988.D

Acq: 26 Jun 2020 17:00

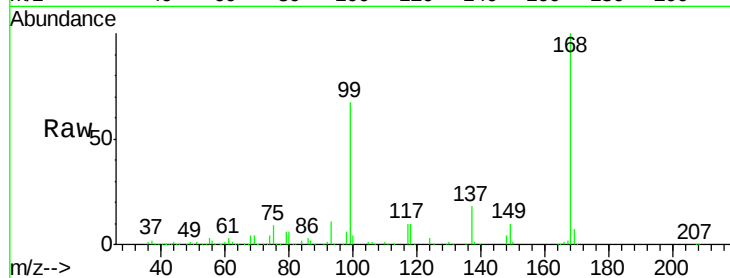
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 233921

Ion Ratio Lower Upper

168 100

99 67.4 50.2 75.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

80000

60000

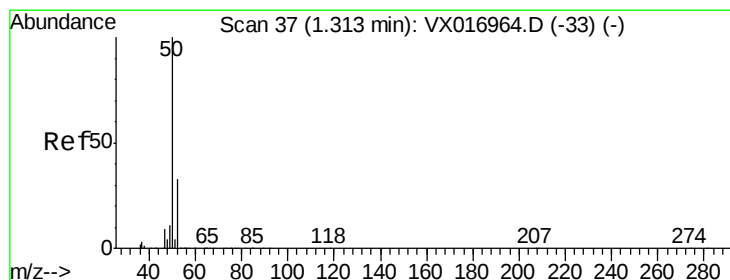
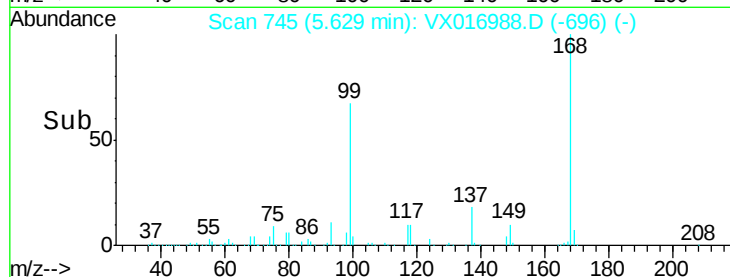
40000

20000

0

Time-->

5.50 5.60 5.70



#3

Chloromethane

Concen: 0.352 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX016988.D

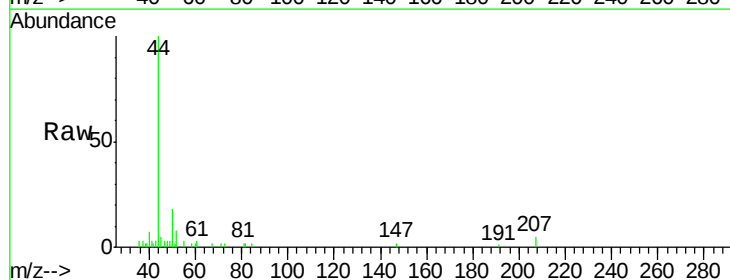
Acq: 26 Jun 2020 17:00

Tgt Ion: 50 Resp: 1009

Ion Ratio Lower Upper

50 100

52 40.9 26.6 40.0#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

800

600

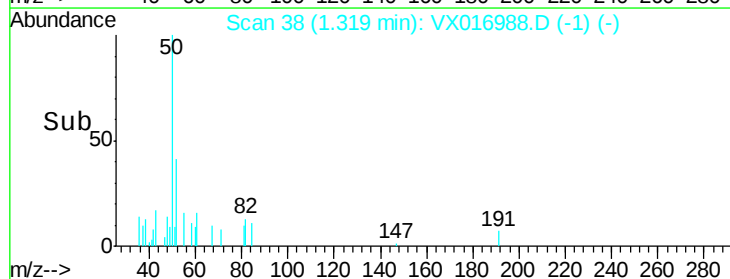
400

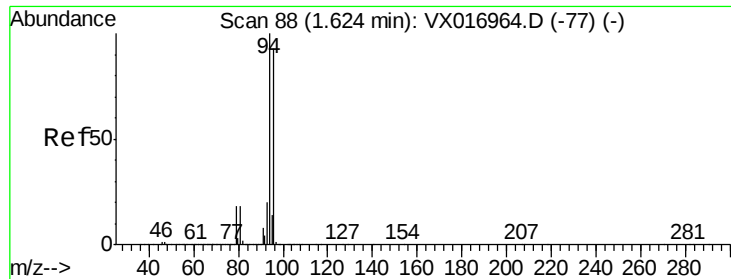
200

0

Time-->

1.28 1.30 1.32 1.34 1.36

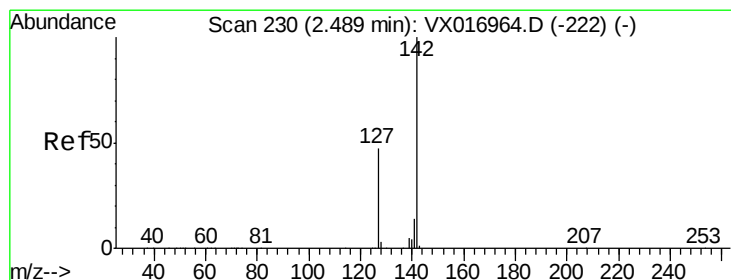
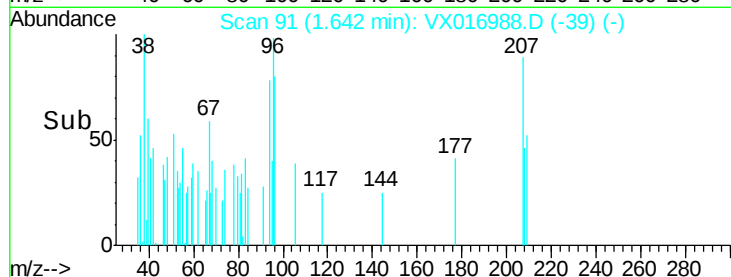
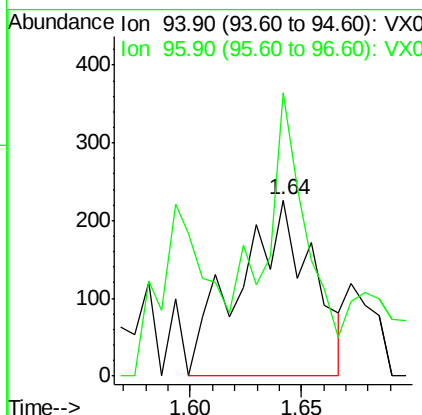
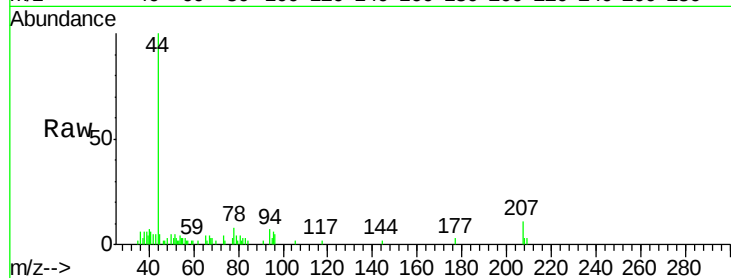




#5
Bromomethane
Concen: Below Cal
RT: 1.64 min Scan# 91
Delta R.T. 0.02 min
Lab File: VX016988.D
Acq: 26 Jun 2020 17:00

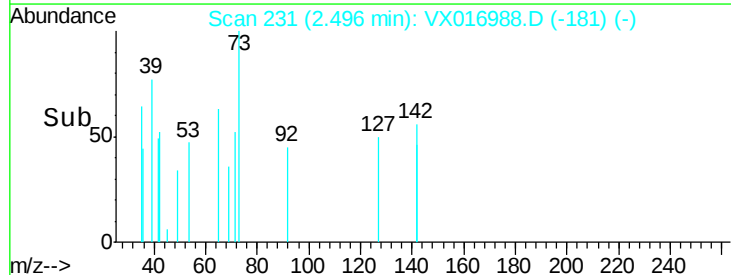
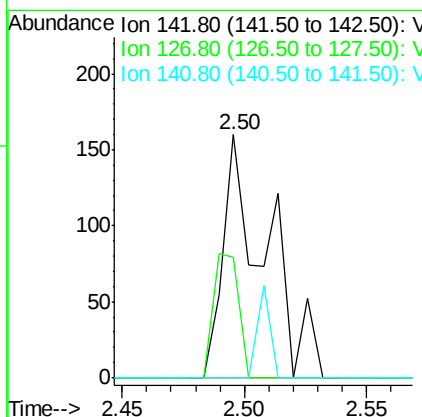
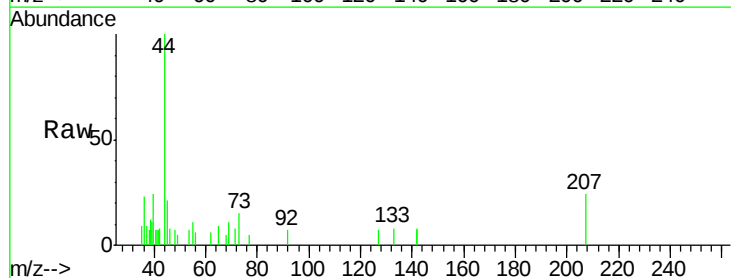
Instrument :
MSVOA_X
ClientSampled :

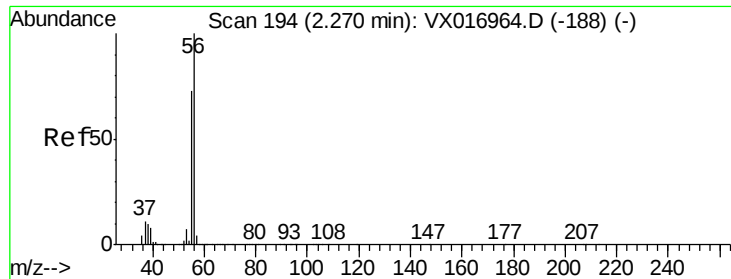
Tot Ion: 94 Resp: 523
Ion Ratio Lower Upper
94 100
96 138.3 74.2 111.2#



#10
Methyl Iodide
Concen: 2.841 ug/l
RT: 2.50 min Scan# 231
Delta R.T. 0.01 min
Lab File: VX016988.D
Acq: 26 Jun 2020 17:00

Tgt Ion:142 Resp: 196
Ion Ratio Lower Upper
142 100
127 30.1 37.4 56.0#
141 11.2 11.7 17.5#





#13

Acrolein

Concen: 0.354 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.01 min

Lab File: VX016988.D

Acq: 26 Jun 2020 17:00

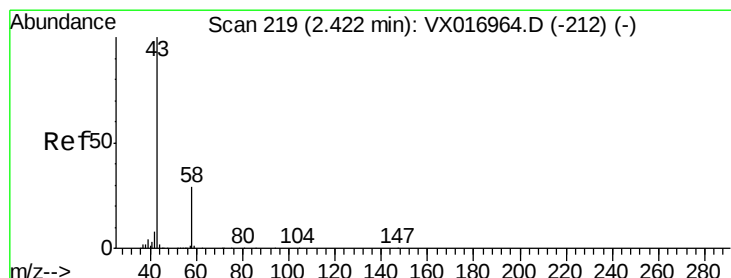
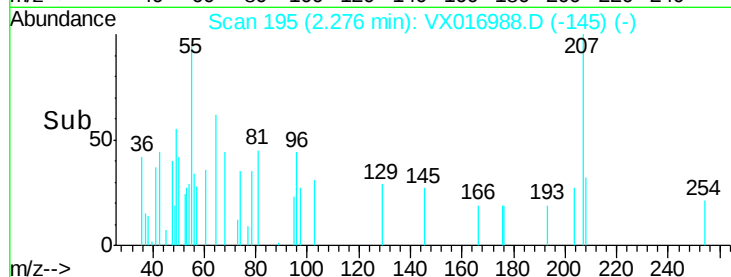
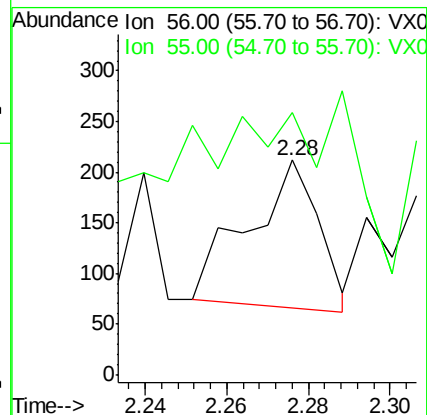
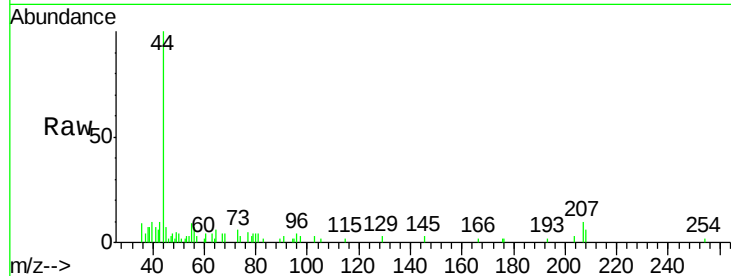
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 175

Ion Ratio Lower Upper

56 100

55 0.0 57.5 86.3#



#16

Acetone

Concen: 5.199 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX016988.D

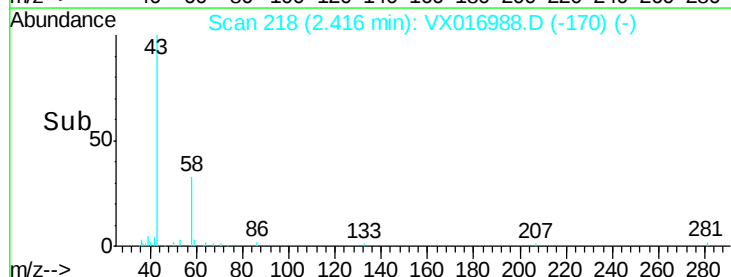
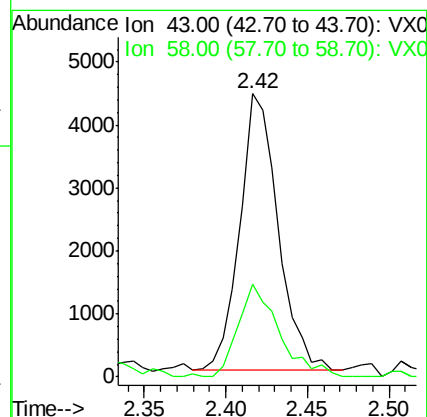
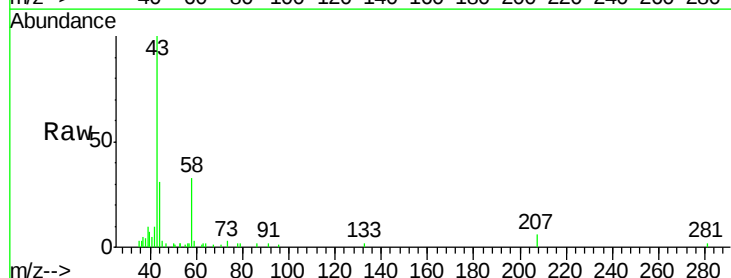
Acq: 26 Jun 2020 17:00

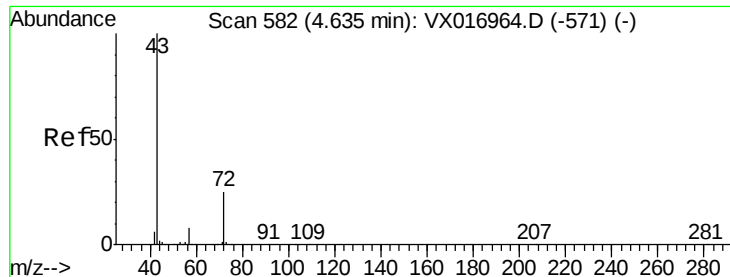
Tgt Ion: 43 Resp: 7179

Ion Ratio Lower Upper

43 100

58 32.4 23.5 35.3





#25

2-Butanone

Concen: 0.675 ug/l

RT: 4.67 min Scan# 588

Delta R.T. 0.04 min

Lab File: VX016988.D

Acq: 26 Jun 2020 17:00

Instrument :

MSVOA_X

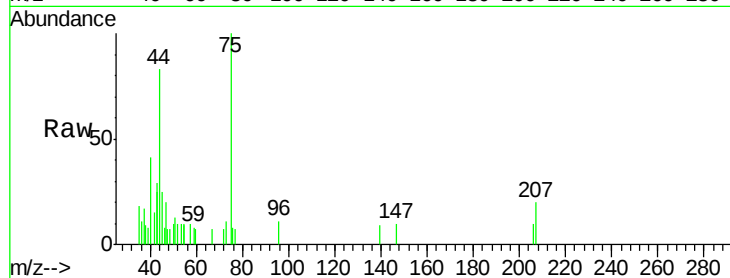
ClientSampled :

Tot Ion: 43 Resp: 1420

Ion Ratio Lower Upper

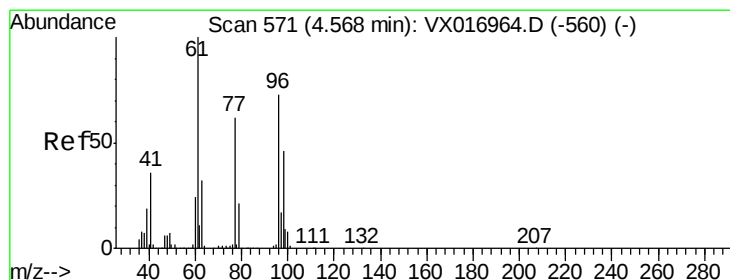
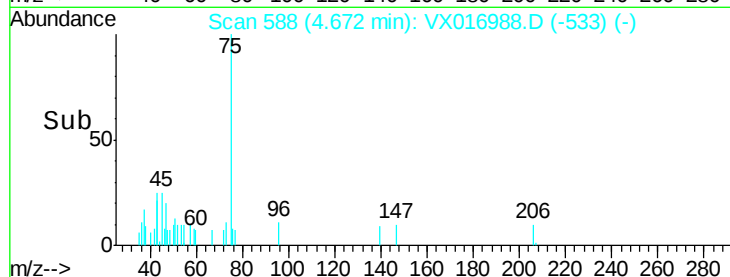
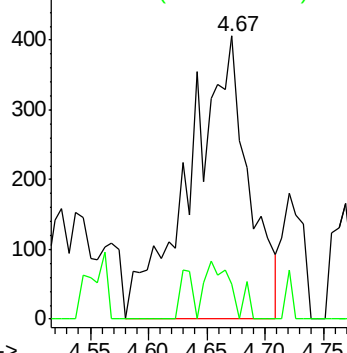
43 100

72 12.6 20.0 30.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#27

cis-1,2-Dichloroethene

Concen: 1.812 ug/l

RT: 4.57 min Scan# 571

Delta R.T. 0.00 min

Lab File: VX016988.D

Acq: 26 Jun 2020 17:00

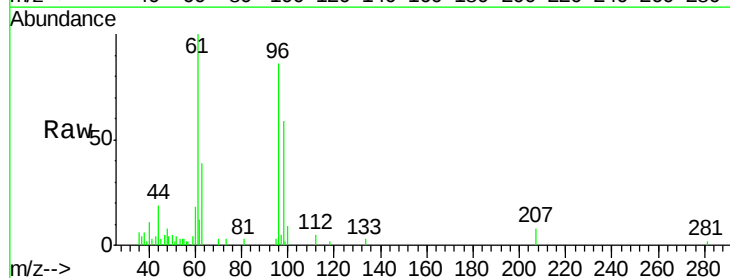
Tgt Ion: 96 Resp: 5865

Ion Ratio Lower Upper

96 100

61 131.6 0.0 307.2

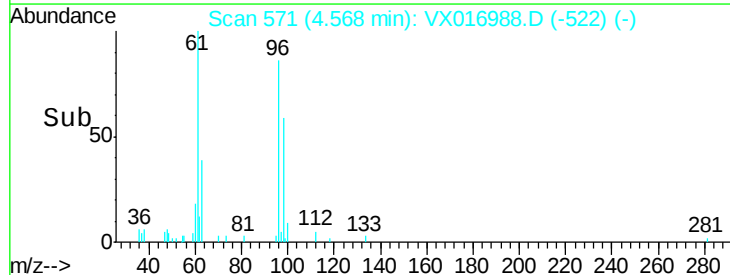
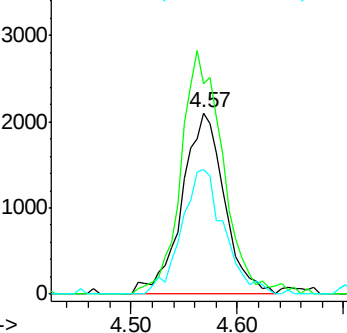
98 68.5 0.0 128.4

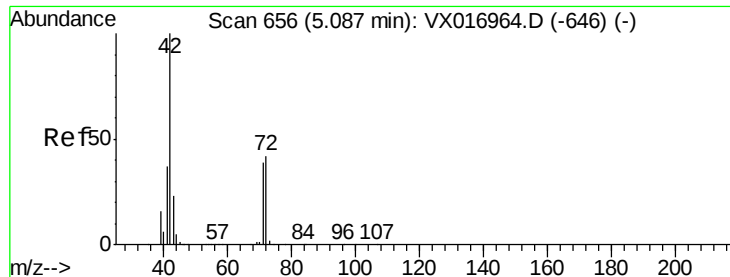


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

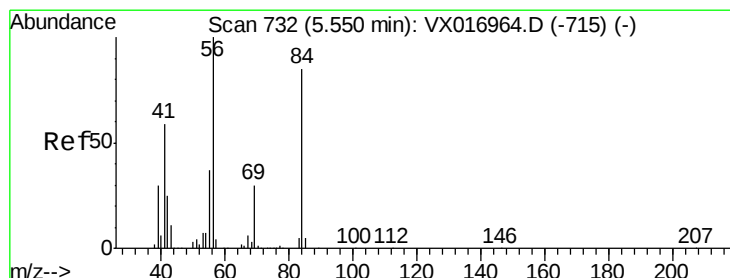
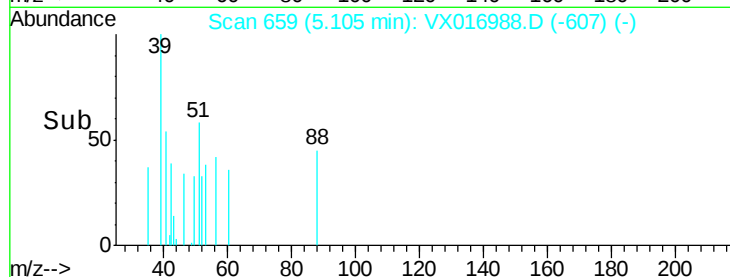
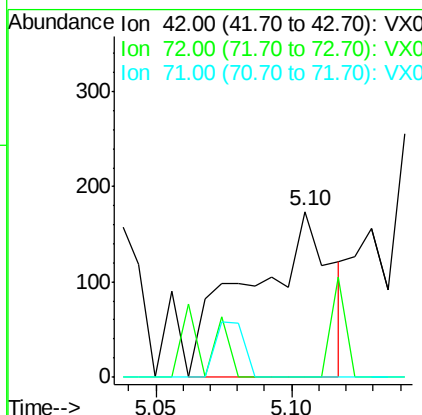
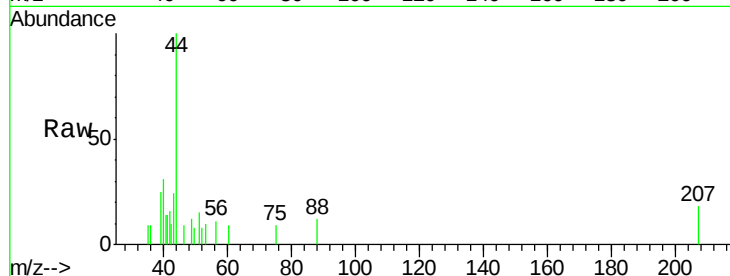




#29
Tetrahydrofuran
Concen: 0.260 ug/l
RT: 5.10 min Scan# 659
Delta R.T. 0.02 min
Lab File: VX016988.D
Acq: 26 Jun 2020 17:00

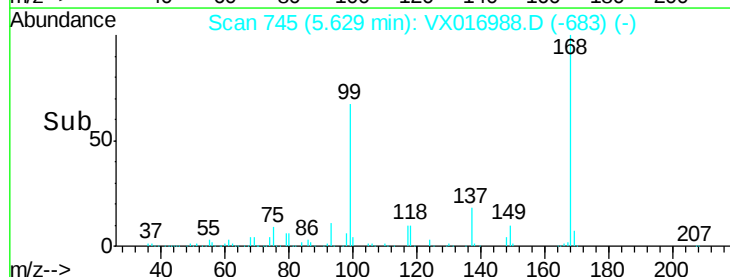
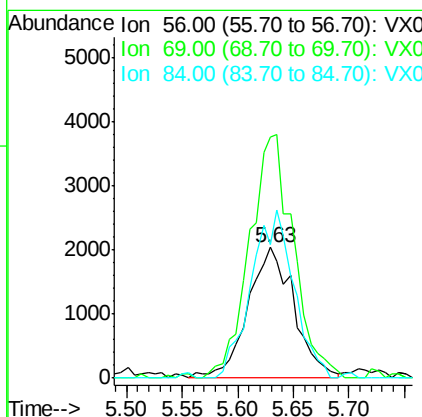
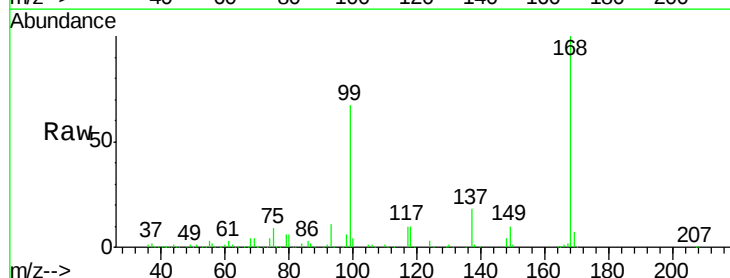
Instrument :
MSVOA_X
ClientSampleId :

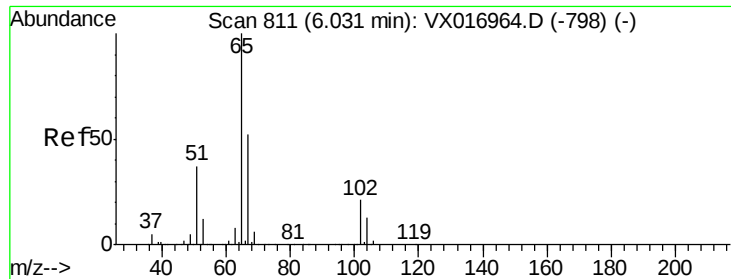
Tot Ion: 42 Resp: 360
Ion Ratio Lower Upper
42 100
72 10.6 34.1 51.1#
71 0.0 32.1 48.1#



#31
Cyclohexane
Concen: 1.331 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX016988.D
Acq: 26 Jun 2020 17:00

Tgt Ion: 56 Resp: 5902
Ion Ratio Lower Upper
56 100
69 181.2 23.6 35.4#
84 102.0 67.8 101.8#

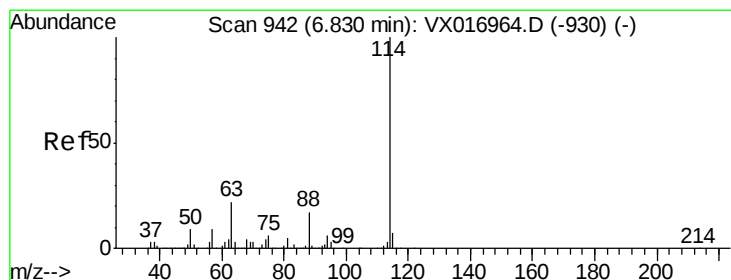
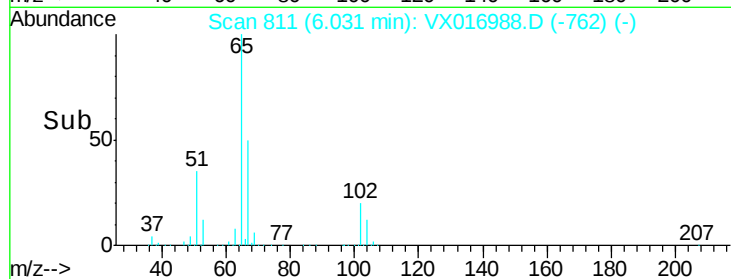
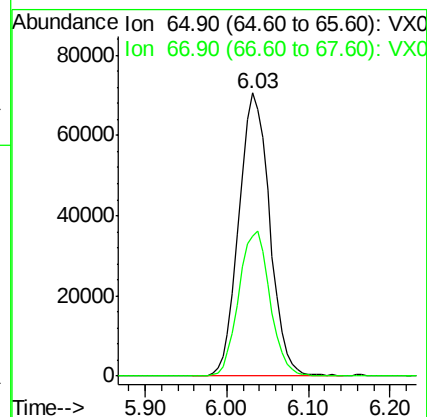
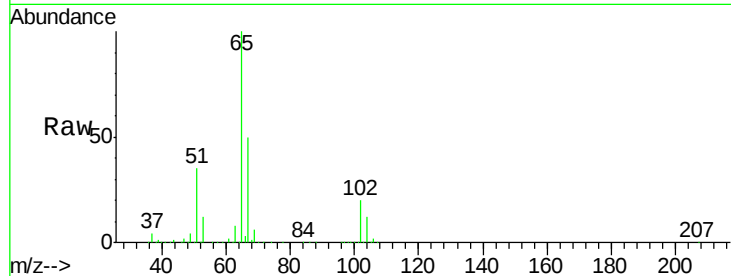




#33
 1,2-Dichloroethane-d4
 Concen: 52.390 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. 0.00 min
 Lab File: VX016988.D
 Acq: 26 Jun 2020 17:00

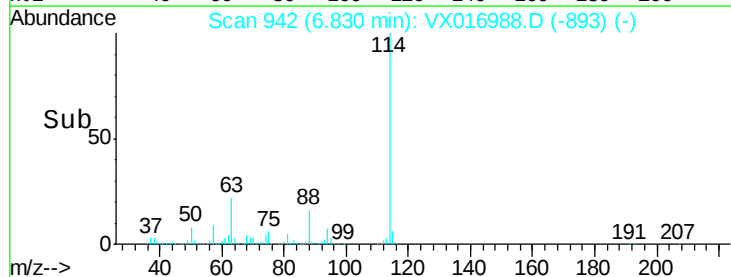
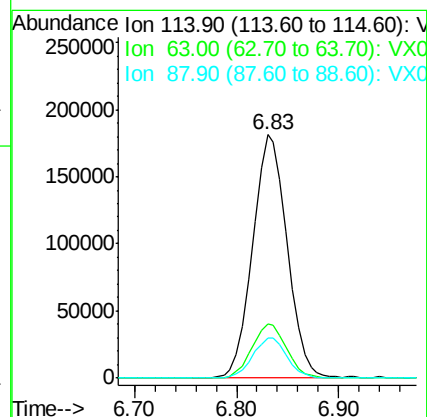
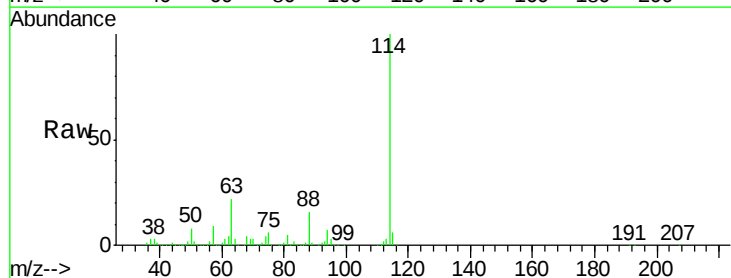
Instrument :
 MSVOA_X
 ClientSampleId :

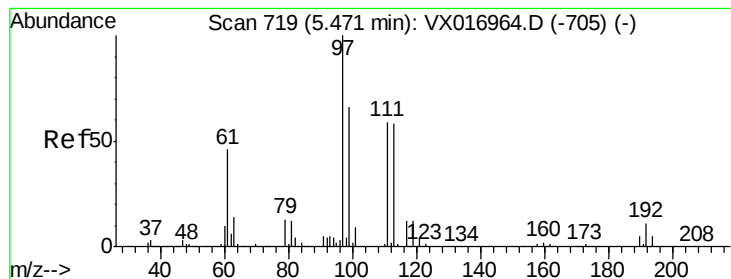
Tot Ion: 65 Resp: 185065
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 102.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. 0.00 min
 Lab File: VX016988.D
 Acq: 26 Jun 2020 17:00

Tgt Ion: 114 Resp: 426357
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 44.4
 88 16.4 0.0 33.2





#35

Dibromofluoromethane

Concen: 51.322 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.00 min

Lab File: VX016988.D

Acq: 26 Jun 2020 17:00

Instrument :

MSVOA_X

ClientSampleId :

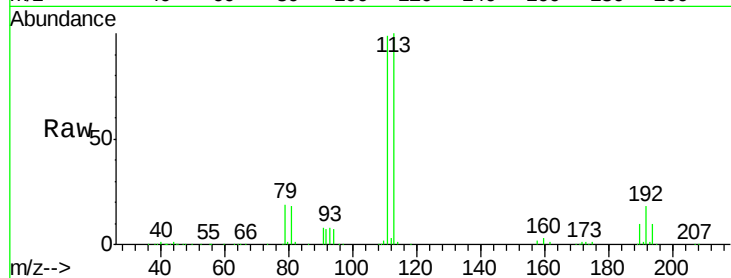
Tot Ion:113 Resp: 144523

Ion Ratio Lower Upper

113 100

111 102.2 84.3 126.5

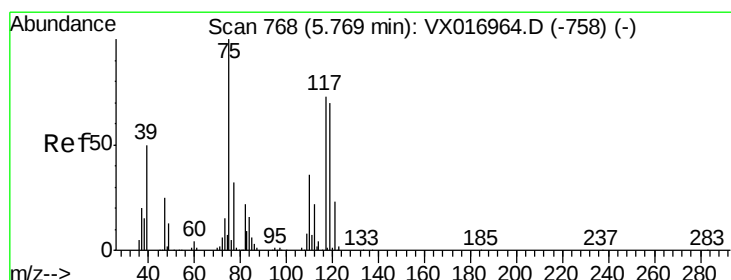
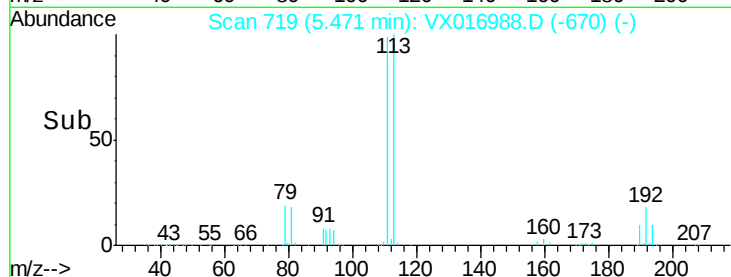
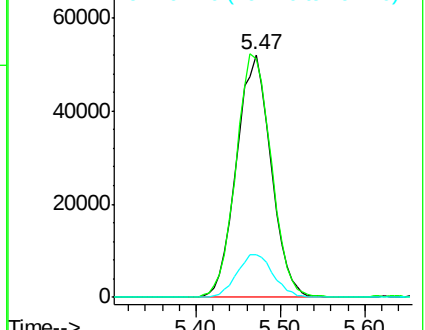
192 18.7 15.2 22.8



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: 4.908 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX016988.D

Acq: 26 Jun 2020 17:00

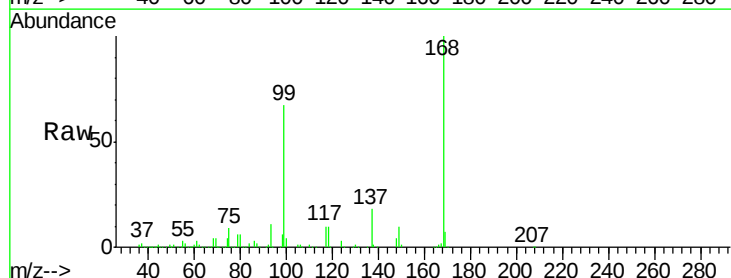
Tgt Ion: 75 Resp: 20720

Ion Ratio Lower Upper

75 100

110 9.7 17.2 51.6#

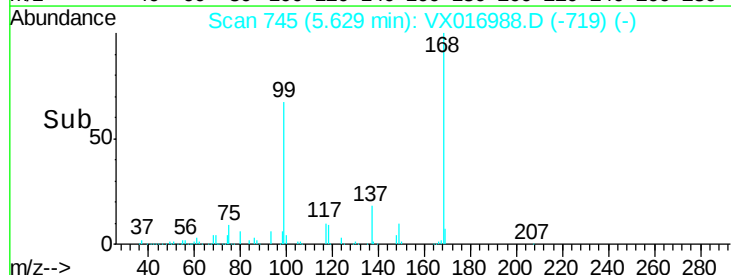
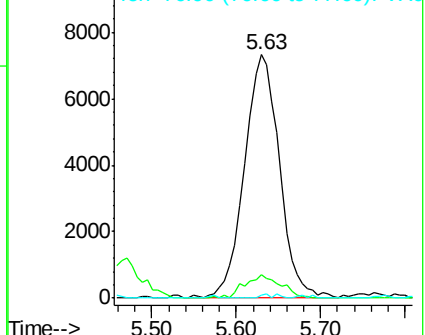
77 0.3 24.7 37.1#

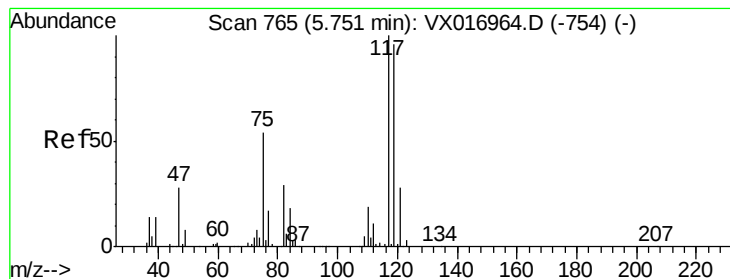


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.648 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX016988.D

Acq: 26 Jun 2020 17:00

Instrument :

MSVOA_X

ClientSampled :

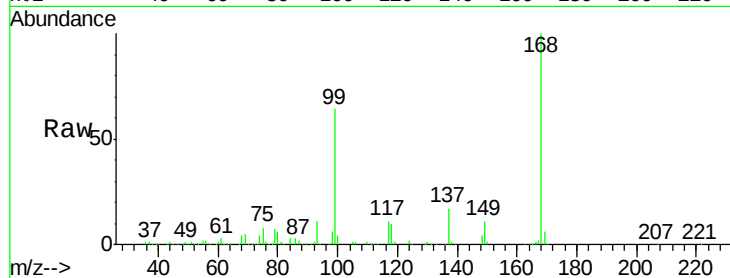
Tot Ion:117 Resp: 25234

Ion Ratio Lower Upper

117 100

119 5.6 76.6 114.8#

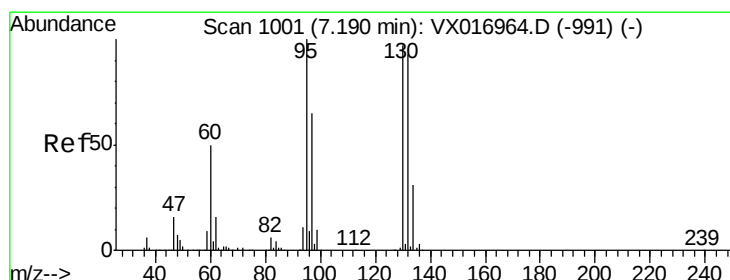
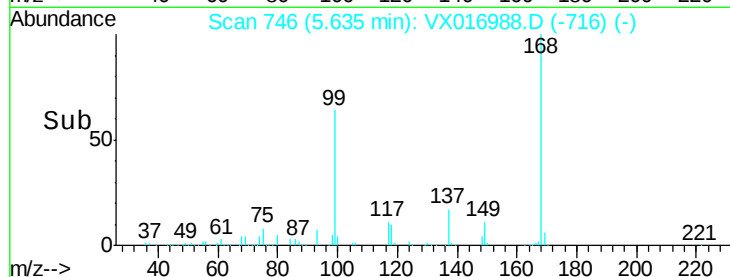
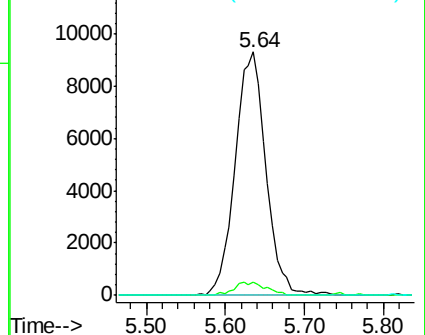
121 0.0 22.5 33.7#



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



#44

Trichloroethene

Concen: 4.114 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VX016988.D

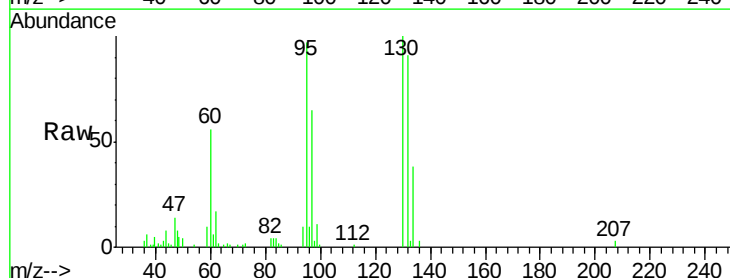
Acq: 26 Jun 2020 17:00

Tgt Ion:130 Resp: 13314

Ion Ratio Lower Upper

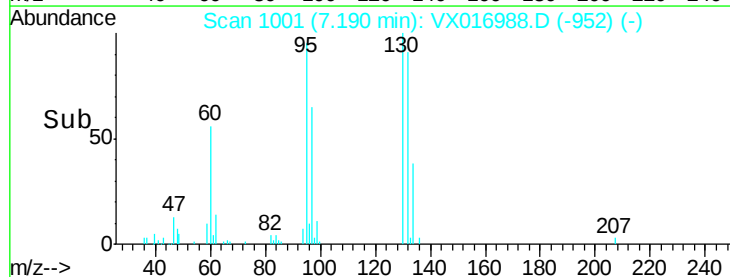
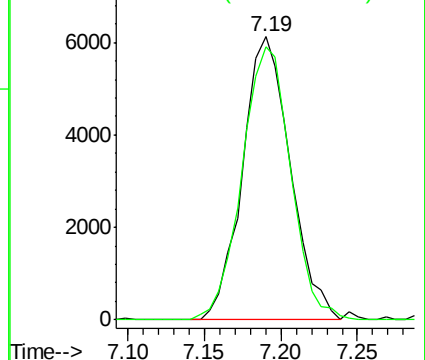
130 100

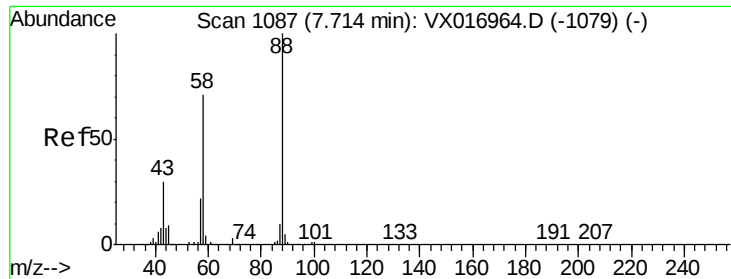
95 96.7 0.0 206.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

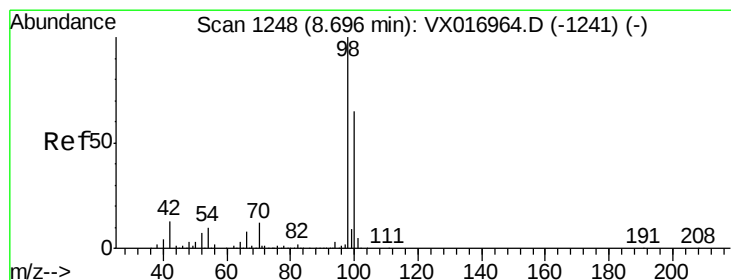
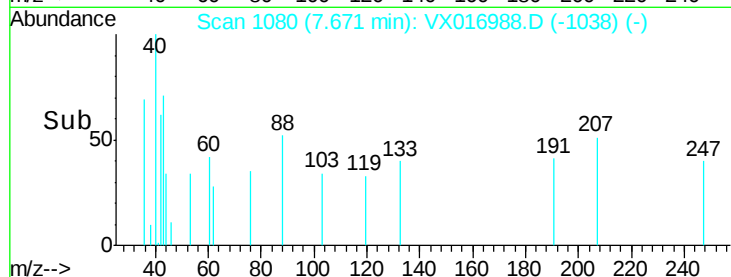
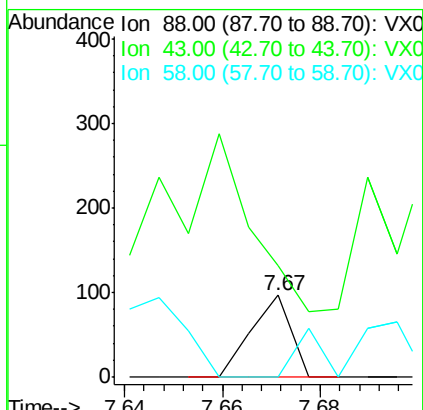
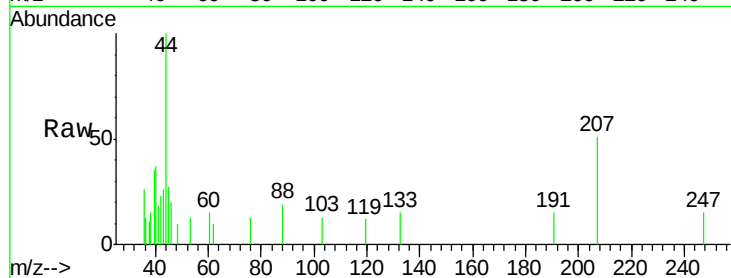




#49
1,4-Dioxane
Concen: 0.742 ug/l
RT: 7.67 min Scan# 1080
Delta R.T. -0.04 min
Lab File: VX016988.D
Acq: 26 Jun 2020 17:00

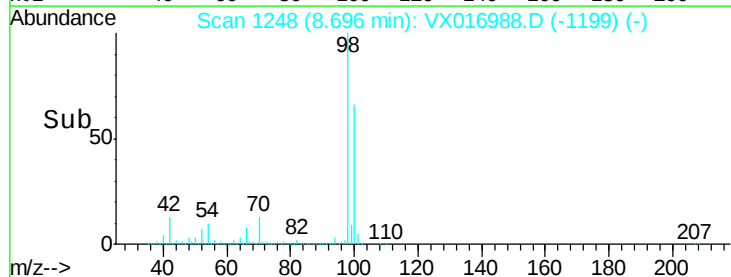
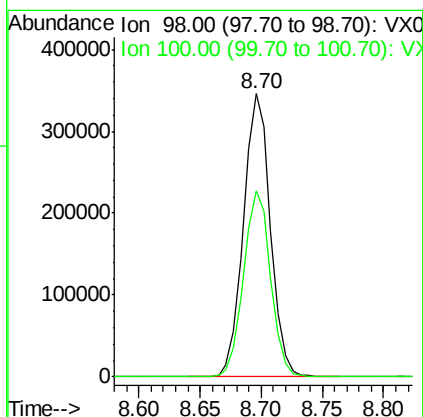
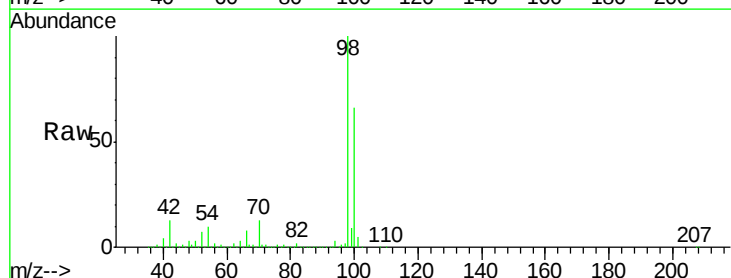
Instrument :
MSVOA_X
ClientSampled :

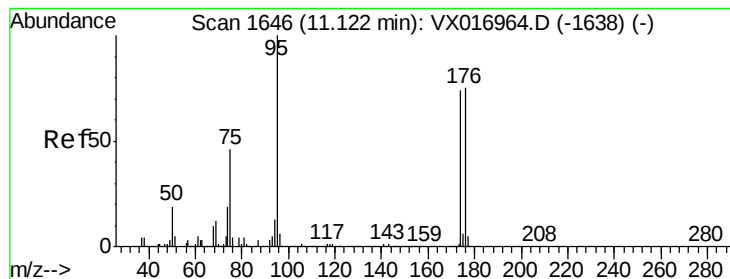
Tot Ion: 88 Resp: 55
Ion Ratio Lower Upper
88 100
43 0.0 28.1 42.1#
58 0.0 56.1 84.1#



#50
Toluene-d8
Concen: 51.114 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX016988.D
Acq: 26 Jun 2020 17:00

Tgt Ion: 98 Resp: 527613
Ion Ratio Lower Upper
98 100
100 65.9 52.2 78.2





#62

4-Bromofluorobenzene

Concen: 55.256 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX016988.D

Acq: 26 Jun 2020 17:00

Instrument :

MSVOA_X

ClientSampleId :

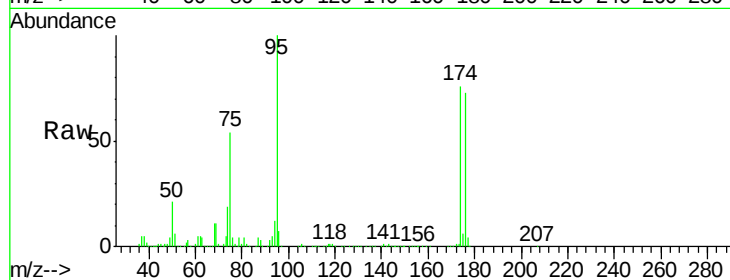
Tot Ion: 95 Resp: 220555

Ion	Ratio	Lower	Upper
95	100		
174	73.3	0.0	149.6
176	72.4	0.0	148.2

95 100

174 73.3 0.0 149.6

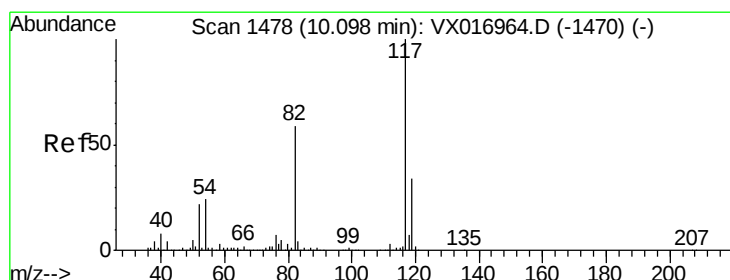
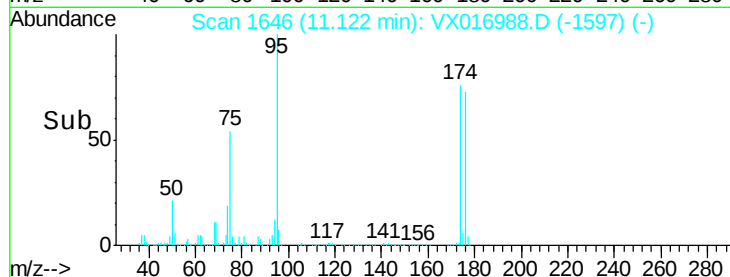
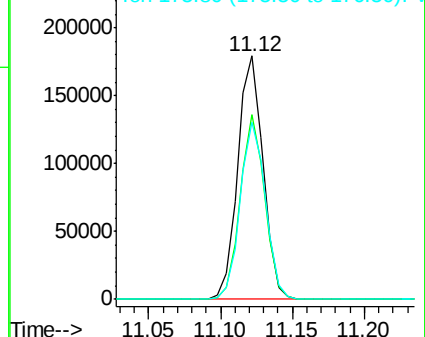
176 72.4 0.0 148.2



Abundance Ion 94.90 (94.60 to 95.60): VX016988.D (-1597) (-)

Ion 173.80 (173.50 to 174.50): VX016988.D (-1597) (-)

Ion 175.80 (175.50 to 176.50): VX016988.D (-1597) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. 0.00 min

Lab File: VX016988.D

Acq: 26 Jun 2020 17:00

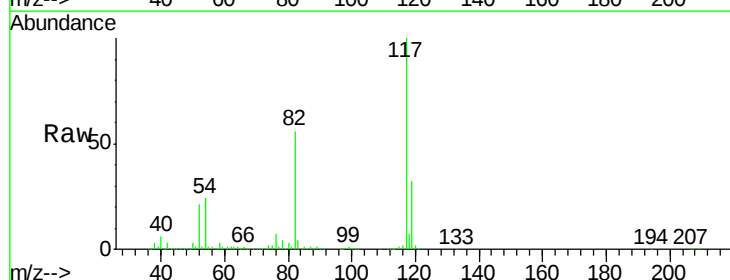
Tgt Ion: 117 Resp: 431944

Ion	Ratio	Lower	Upper
117	100		
82	56.5	46.8	70.2
119	31.8	27.3	40.9

117 100

82 56.5 46.8 70.2

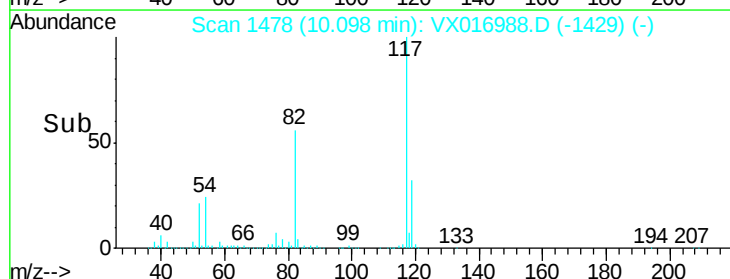
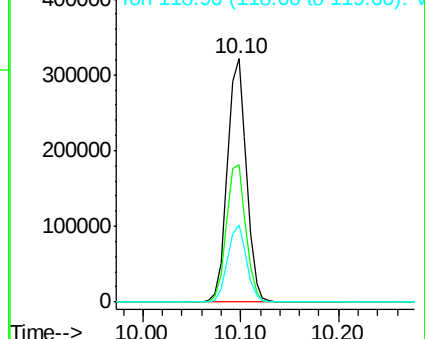
119 31.8 27.3 40.9

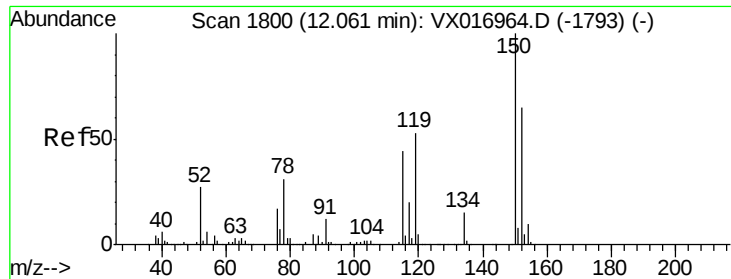


Abundance Ion 116.90 (116.60 to 117.60): VX016988.D (-1429) (-)

Ion 82.00 (81.70 to 82.70): VX016988.D (-1429) (-)

Ion 118.90 (118.60 to 119.60): VX016988.D (-1429) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX016988.D

Acq: 26 Jun 2020 17:00

Instrument :

MSVOA_X

ClientSampleId :

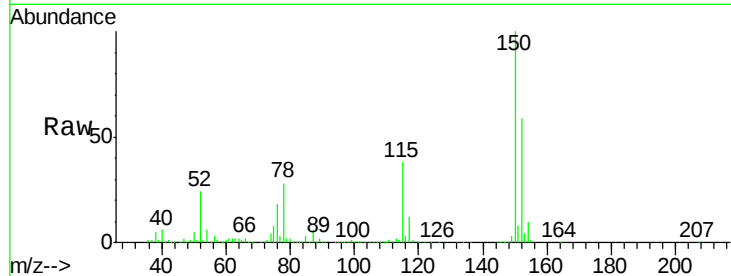
Tot Ion:152 Resp: 219836

Ion Ratio Lower Upper

152 100

115 61.8 42.8 128.4

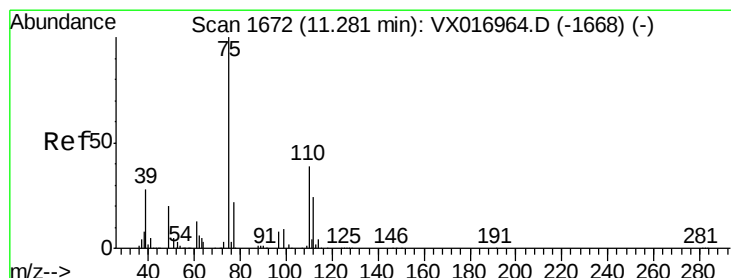
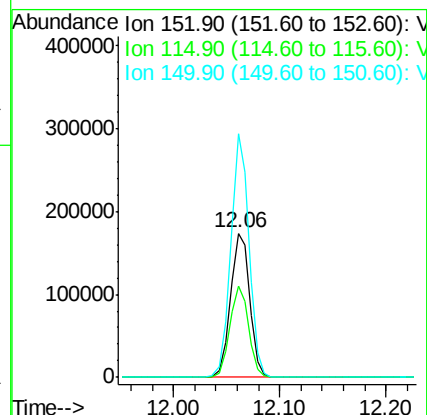
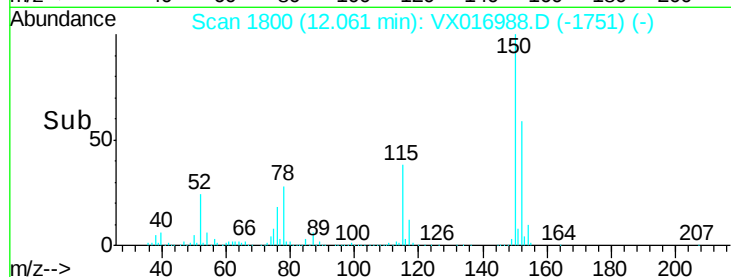
150 159.5 0.0 347.8



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: 25.898 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016988.D

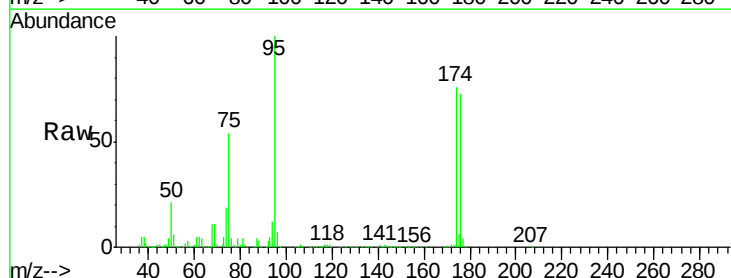
Acq: 26 Jun 2020 17:00

Tgt Ion: 75 Resp: 119478

Ion Ratio Lower Upper

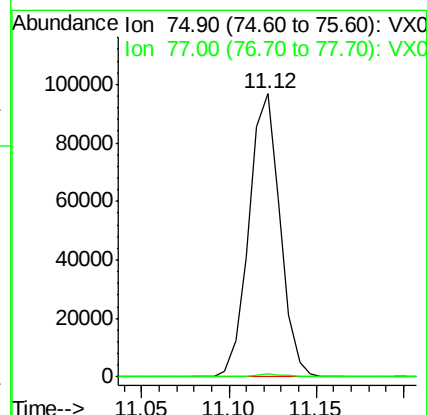
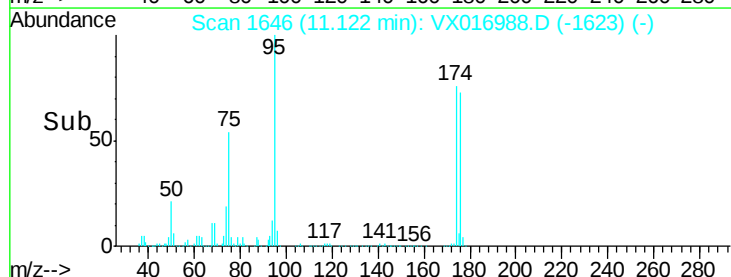
75 100

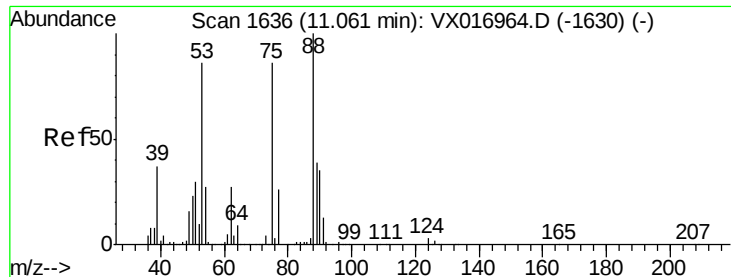
77 1.1 20.3 61.0#



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: 65.750 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016988.D

Acq: 26 Jun 2020 17:00

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 75 Resp: 119478

Ion Ratio Lower Upper

75 100

53 0.3 81.9 122.9#

89 0.1 35.5 53.3#

