

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042420\
 Data File : VX015951.D
 Acq On : 24 Apr 2020 23:08
 Operator : JC/SP
 Sample : PB125457TB
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB125457TB

Quant Time: Apr 25 06:56:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042420W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 24 13:17:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	135106	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	259900	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	253373	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	122870	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	97315	51.01	ug/l	0.00
Spiked Amount						
			Recovery	=	102.02%	
35) Dibromofluoromethane	5.47	113	74548	52.59	ug/l	0.00
Spiked Amount						
			Recovery	=	105.18%	
50) Toluene-d8	8.70	98	328090	54.67	ug/l	0.00
Spiked Amount						
			Recovery	=	109.34%	
62) 4-Bromofluorobenzene	11.12	95	134245	55.15	ug/l	0.00
Spiked Amount						
			Recovery	=	110.30%	

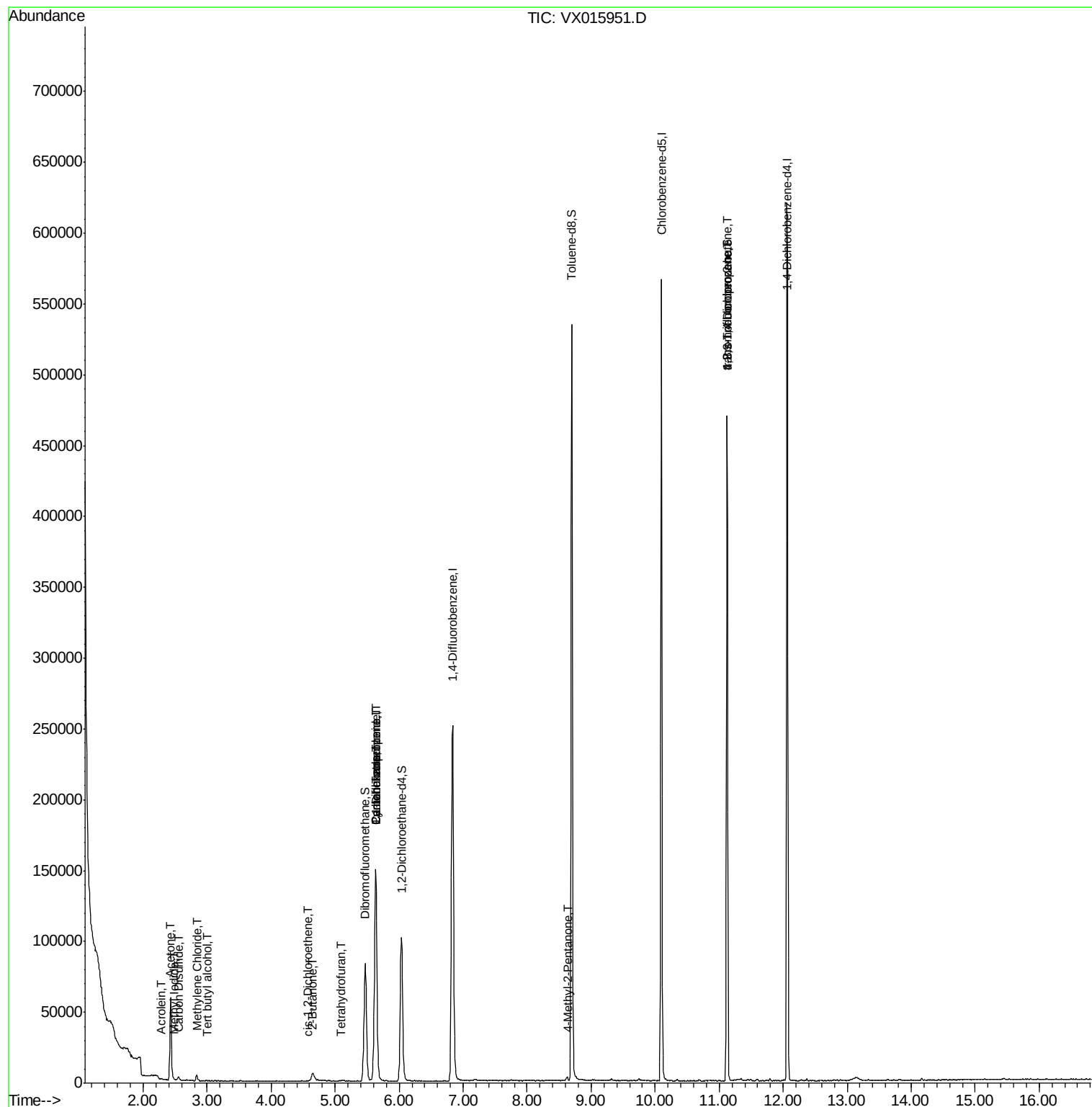
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.49	142	19	4.823	ug/l #	24
11) Tert butyl alcohol	3.00	59	96	0.234	ug/l #	72
13) Acrolein	2.28	56	72	0.283	ug/l #	1
16) Acetone	2.42	43	4085	5.709	ug/l	96
17) Carbon Disulfide	2.55	76	2578	0.313	ug/l #	94
20) Methylene Chloride	2.84	84	1812	1.024	ug/l	92
25) 2-Butanone	4.64	43	1870	1.605	ug/l #	84
27) cis-1,2-Dichloroethene	4.57	96	402	0.207	ug/l #	4
29) Tetrahydrofuran	5.10	42	475	0.619	ug/l #	35
31) Cyclohexane	5.64	56	3256	1.138	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	13280	5.354	ug/l #	49
38) Carbon Tetrachloride	5.64	117	14837	6.546	ug/l #	16
51) 4-Methyl-2-Pentanone	8.62	43	1397	0.583	ug/l	100
76) 1,2,3-Trichloropropane	11.12	75	67688	25.682	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.12	75	67688	57.851	ug/l #	14

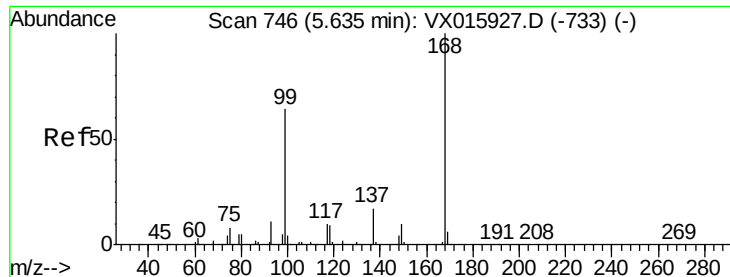
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Apr 24 13:17:59 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.00 min

Lab File: VX015951.D

Acq: 24 Apr 2020 23:08

Instrument :

MSVOA_X

ClientSampleId :

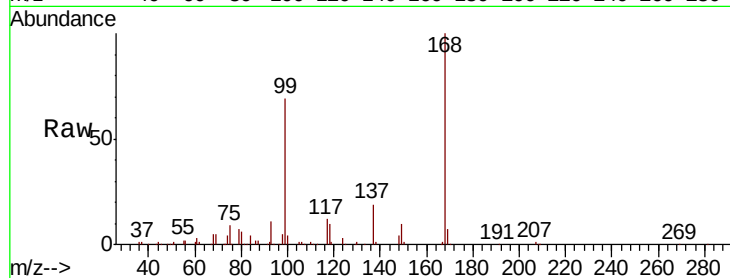
PB125457TB

Tot Ion:168 Resp: 135106

Ion Ratio Lower Upper

168 100

99 68.6 51.2 76.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

40000

30000

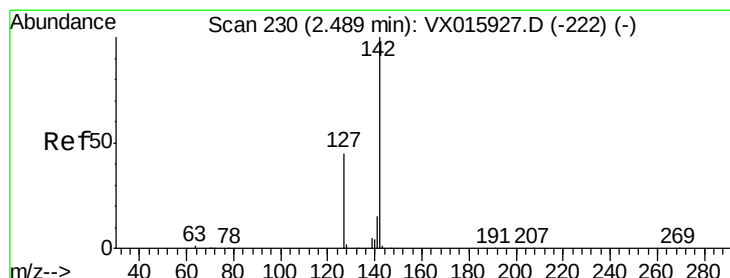
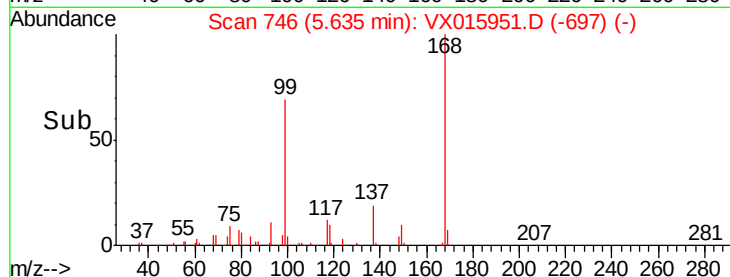
20000

10000

0

5.50 5.60 5.70 5.80

Time-->



#10

Methyl Iodide

Concen: 4.823 ug/l

RT: 2.49 min Scan# 230

Delta R.T. 0.00 min

Lab File: VX015951.D

Acq: 24 Apr 2020 23:08

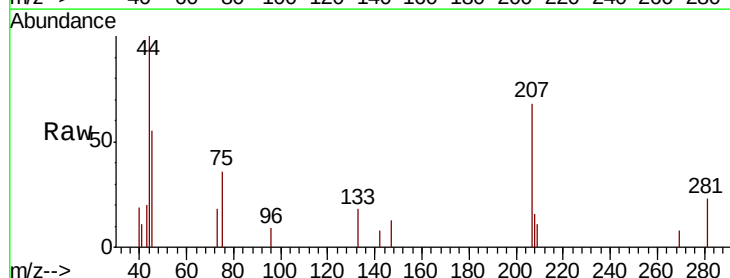
Tgt Ion:142 Resp: 19

Ion Ratio Lower Upper

142 100

127 100.0 34.4 51.6#

141 0.0 11.5 17.3#



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

2.49

60

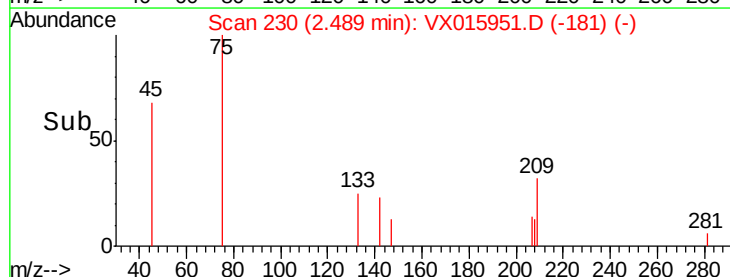
40

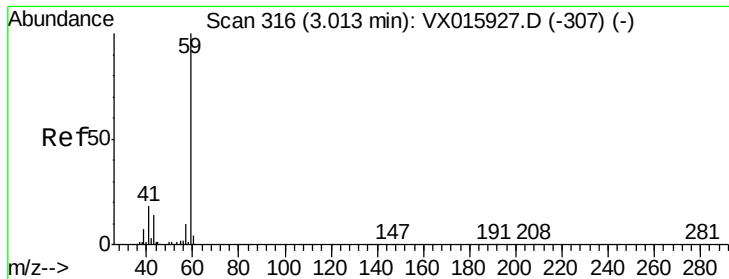
20

0

2.47 2.48 2.49 2.50 2.51

Time-->



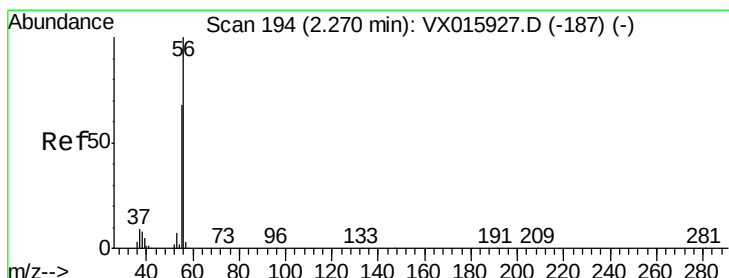
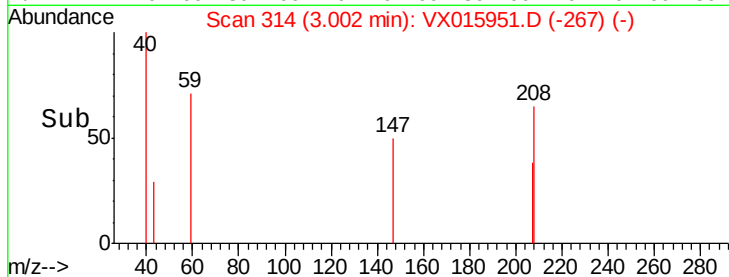
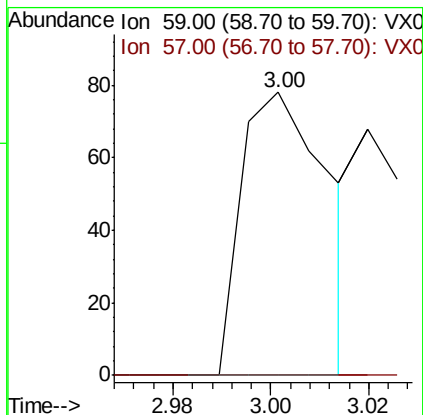
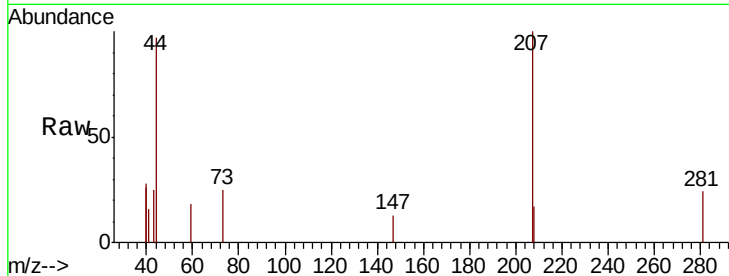


#11

Tert butyl alcohol
 Concen: 0.234 ug/l
 RT: 3.00 min Scan# 314
 Delta R.T. -0.01 min
 Lab File: VX015951.D
 Acq: 24 Apr 2020 23:08

Instrument :
 MSVOA_X
 ClientSampleId :
 PB125457TB

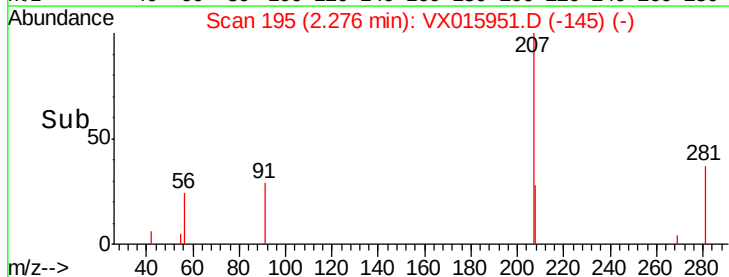
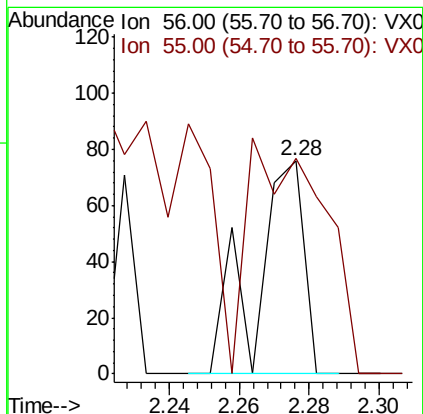
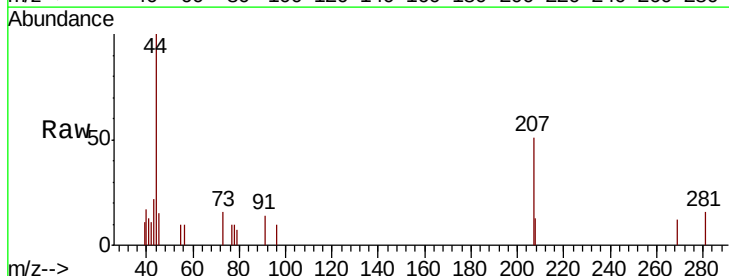
Tot Ion: 59 Resp: 96
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.4 12.6#

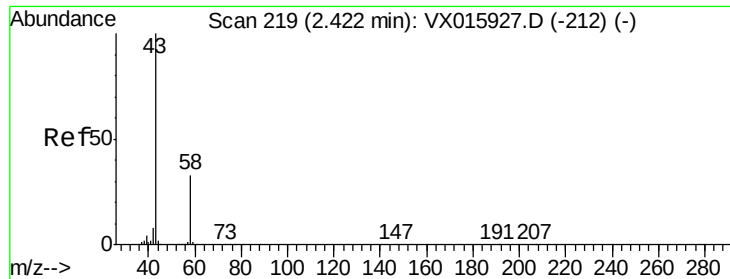


#13

Acrolein
 Concen: 0.283 ug/l
 RT: 2.28 min Scan# 195
 Delta R.T. 0.01 min
 Lab File: VX015951.D
 Acq: 24 Apr 2020 23:08

Tgt Ion: 56 Resp: 72
 Ion Ratio Lower Upper
 56 100
 55 172.2 56.0 84.0#





#16

Acetone

Concen: 5.709 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX015951.D

Acq: 24 Apr 2020 23:08

Instrument :

MSVOA_X

ClientSampled :

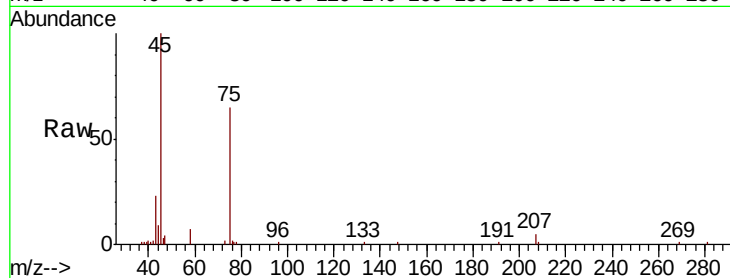
PB125457TB

Tot Ion: 43 Resp: 4085

Ion Ratio Lower Upper

43 100

58 30.5 26.4 39.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2500

2000

1500

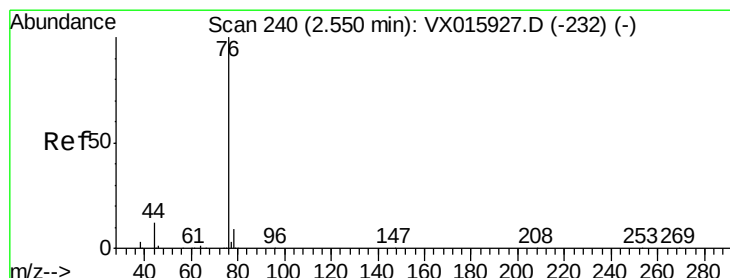
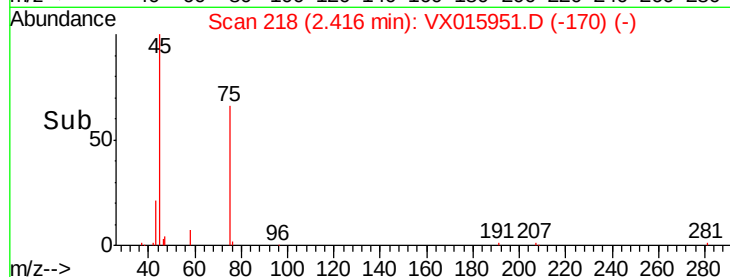
1000

500

0

2.35 2.40 2.45 2.50

Time-->



#17

Carbon Disulfide

Concen: 0.313 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX015951.D

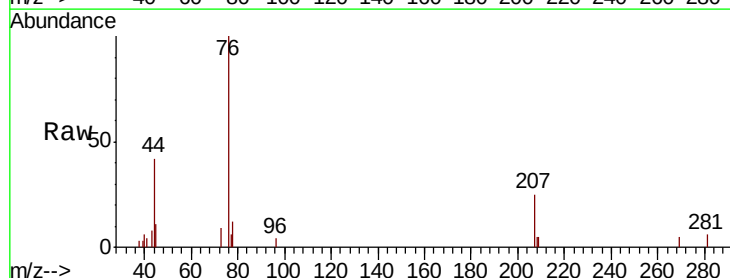
Acq: 24 Apr 2020 23:08

Tgt Ion: 76 Resp: 2578

Ion Ratio Lower Upper

76 100

78 11.6 7.4 11.2#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2000

1500

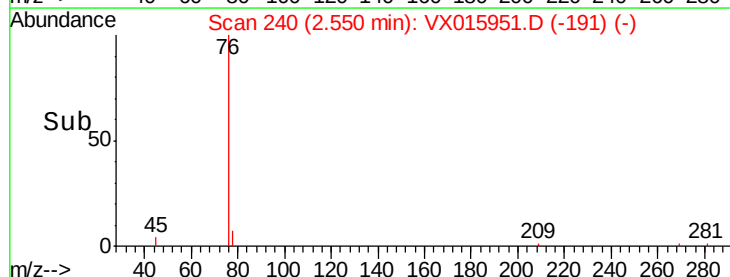
1000

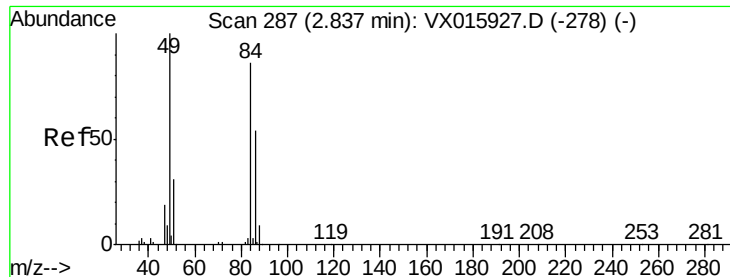
500

0

2.50 2.55 2.60

Time-->

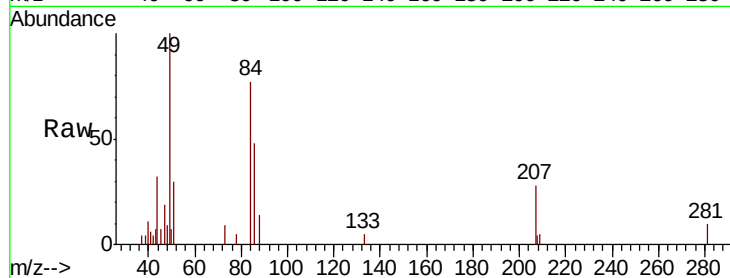




#20
Methylene Chloride
Concen: 1.024 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX015951.D
Acq: 24 Apr 2020 23:08

Instrument :
MSVOA_X
ClientSampleId :
PB125457TB

Tot Ion:	84	Resp:	1812
Ion	Ratio	Lower	Upper
84	100		
49	130.7	93.0	139.6
51	39.8	28.6	43.0
86	62.7	50.4	75.6



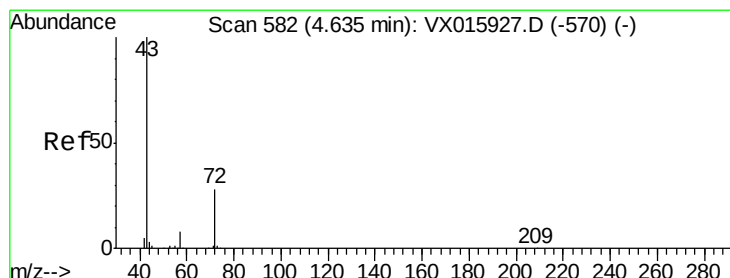
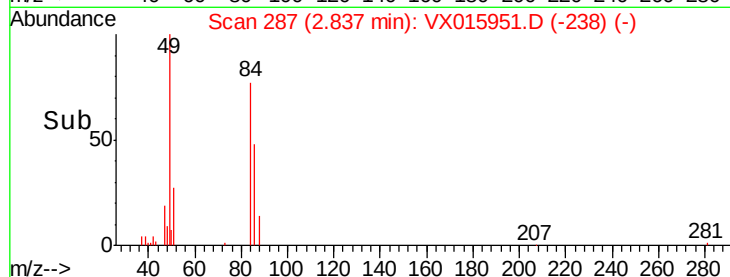
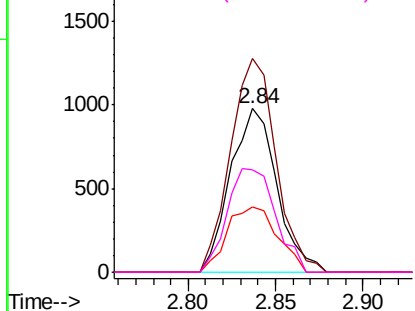
Abundance

Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

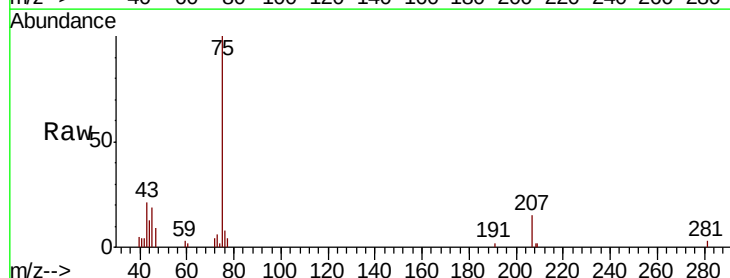
Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#25
2-Butanone
Concen: 1.605 ug/l
RT: 4.64 min Scan# 583
Delta R.T. 0.01 min
Lab File: VX015951.D
Acq: 24 Apr 2020 23:08

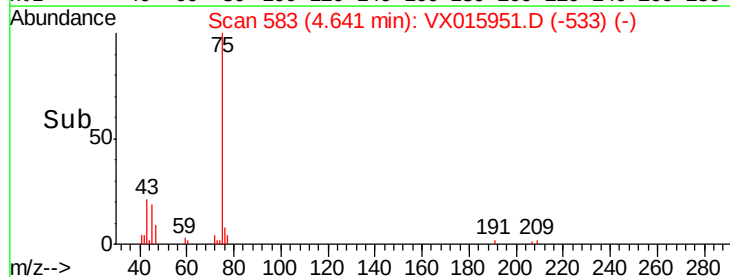
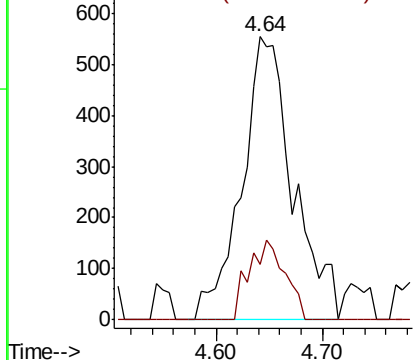
Tgt Ion:	43	Resp:	1870
Ion	Ratio	Lower	Upper
43	100		
72	19.7	22.4	33.6#

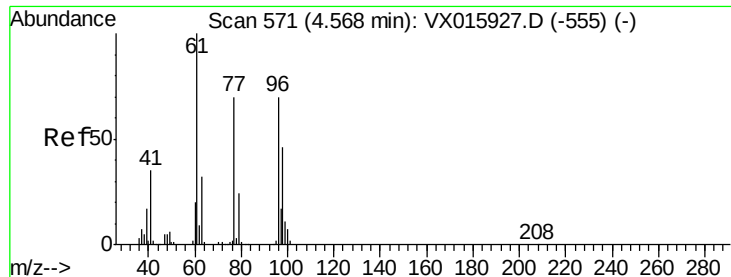


Abundance

Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



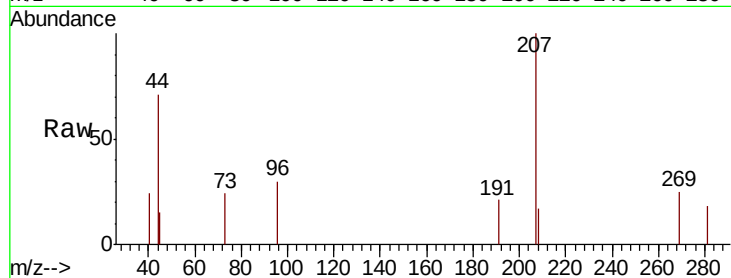


#27

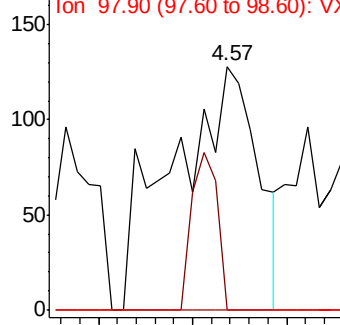
cis-1,2-Dichloroethene
 Concen: 0.207 ug/l
 RT: 4.57 min Scan# 571
 Delta R.T. 0.00 min
 Lab File: VX015951.D
 Acq: 24 Apr 2020 23:08

Instrument :
 MSVOA_X
 ClientSampled :
 PB125457TB

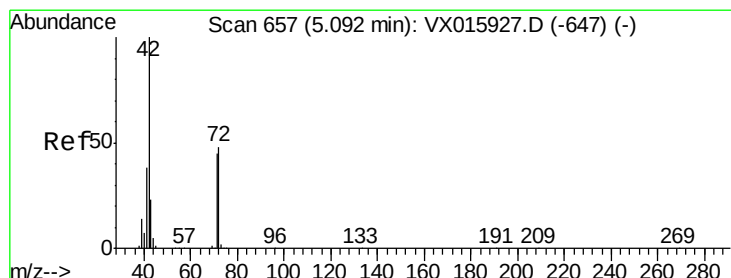
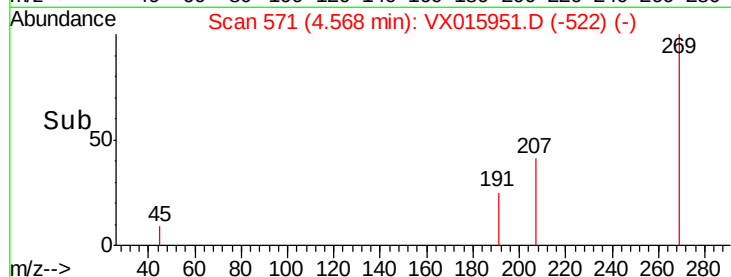
Tot Ion	Ratio	Lower	Upper
96	100		
61	19.4	0.0	293.4
98	0.0	0.0	129.0



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



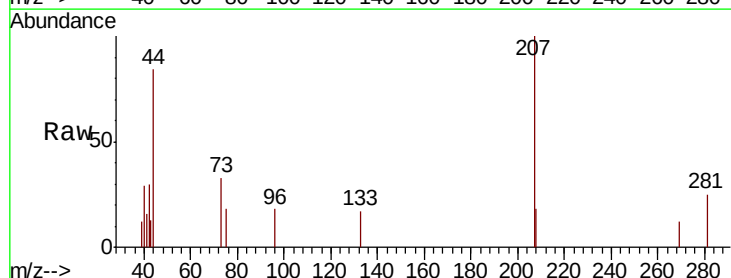
Time-->



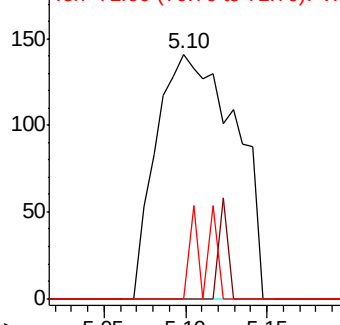
#29

Tetrahydrofuran
 Concen: 0.619 ug/l
 RT: 5.10 min Scan# 658
 Delta R.T. 0.01 min
 Lab File: VX015951.D
 Acq: 24 Apr 2020 23:08

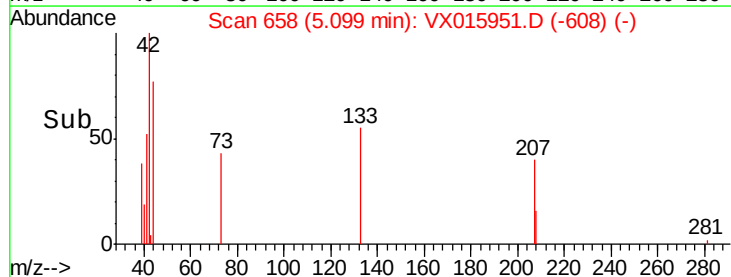
Tgt Ion	Ratio	Lower	Upper
42	100		
72	0.0	39.5	59.3#
71	8.2	36.4	54.6#

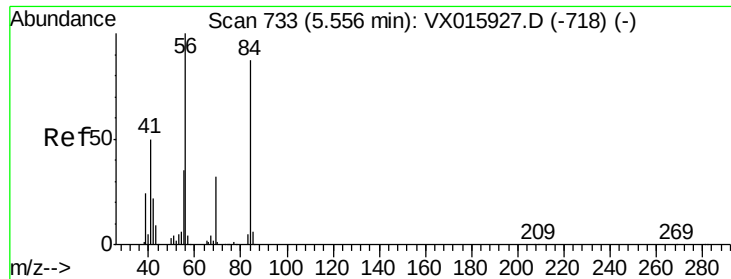


Abundance Ion 42.00 (41.70 to 42.70): VX0
 Ion 72.00 (71.70 to 72.70): VX0
 Ion 71.00 (70.70 to 71.70): VX0



Time-->

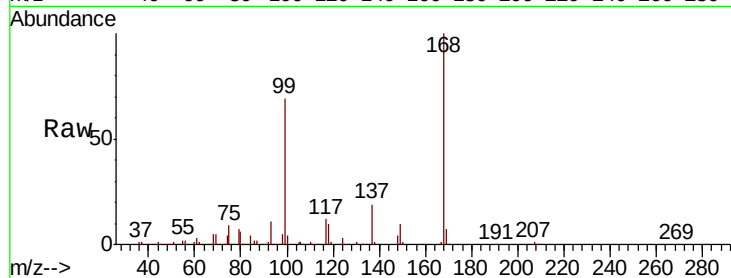




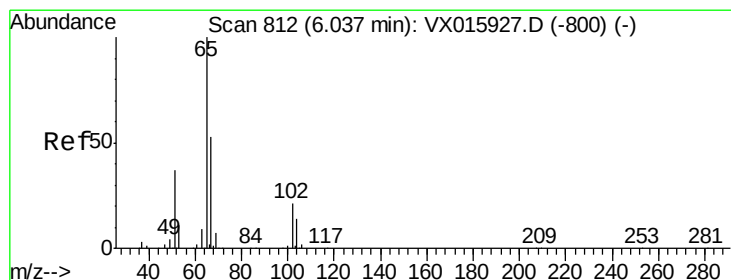
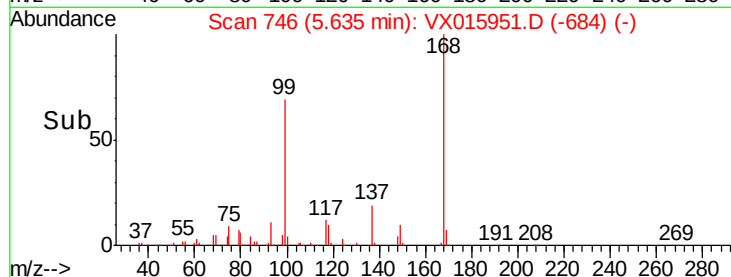
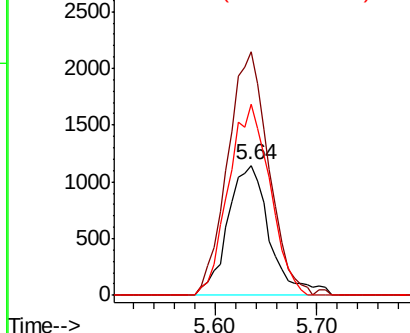
#31
Cyclohexane
Concen: 1.138 ug/l
RT: 5.64 min Scan# 746
Delta R.T. 0.08 min
Lab File: VX015951.D
Acq: 24 Apr 2020 23:08

Instrument :
MSVOA_X
ClientSampleId :
PB125457TB

Tot Ion: 56 Resp: 3256
Ion Ratio Lower Upper
56 100
69 187.5 25.4 38.0#
84 147.2 69.5 104.3#

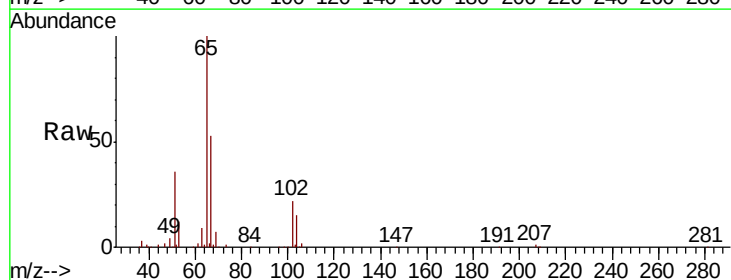


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

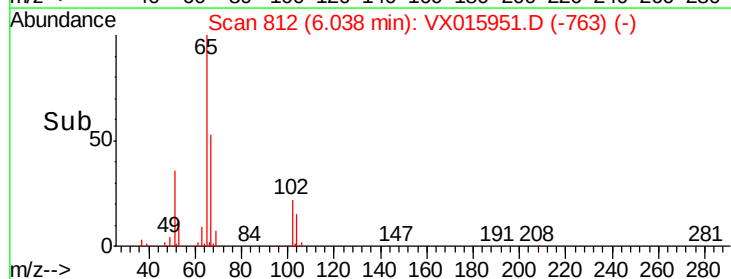
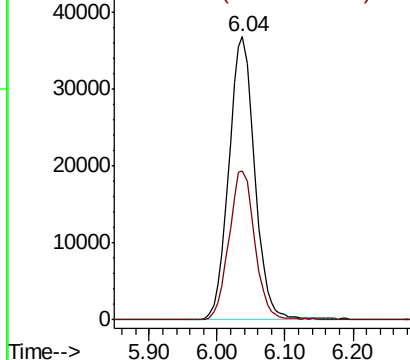


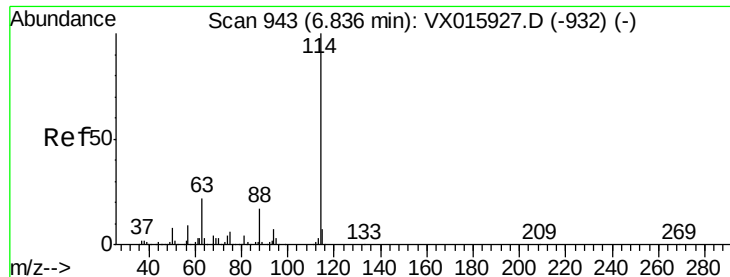
#33
1,2-Dichloroethane-d4
Concen: 51.011 ug/l
RT: 6.04 min Scan# 812
Delta R.T. 0.00 min
Lab File: VX015951.D
Acq: 24 Apr 2020 23:08

Tgt Ion: 65 Resp: 97315
Ion Ratio Lower Upper
65 100
67 52.9 0.0 106.6



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.00 min

Lab File: VX015951.D

Acq: 24 Apr 2020 23:08

Instrument :

MSVOA_X

ClientSampleId :

PB125457TB

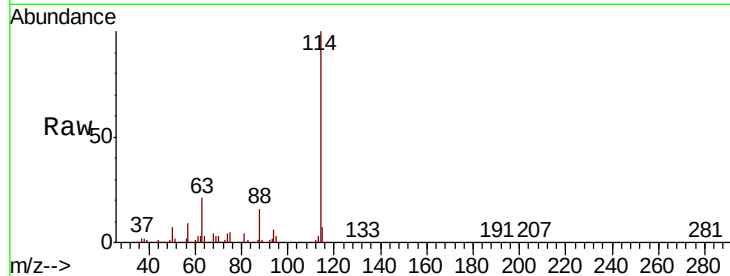
Tot Ion:114 Resp: 259900

Ion Ratio Lower Upper

114 100

63 20.7 0.0 44.4

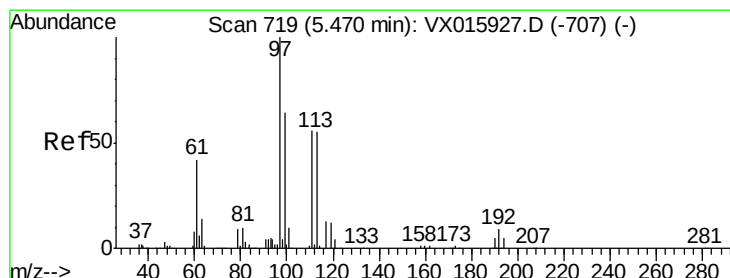
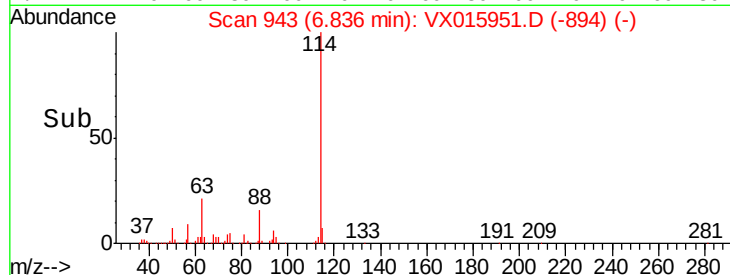
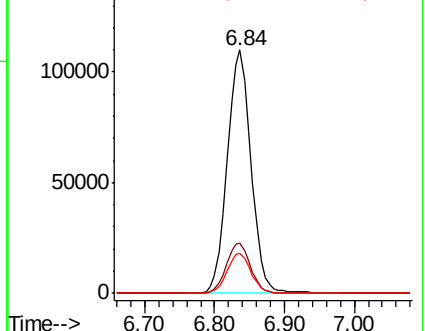
88 16.5 0.0 34.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 52.593 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.00 min

Lab File: VX015951.D

Acq: 24 Apr 2020 23:08

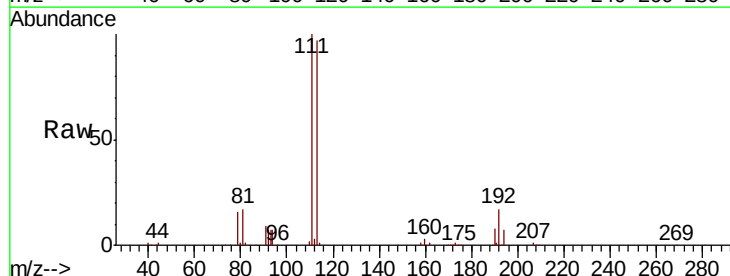
Tgt Ion:113 Resp: 74548

Ion Ratio Lower Upper

113 100

111 103.1 81.2 121.8

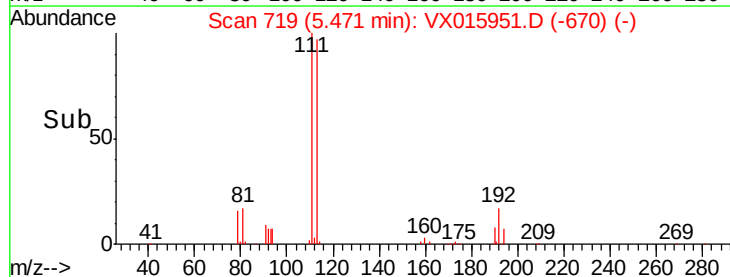
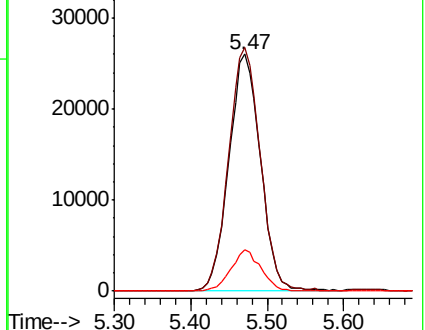
192 16.5 13.6 20.4

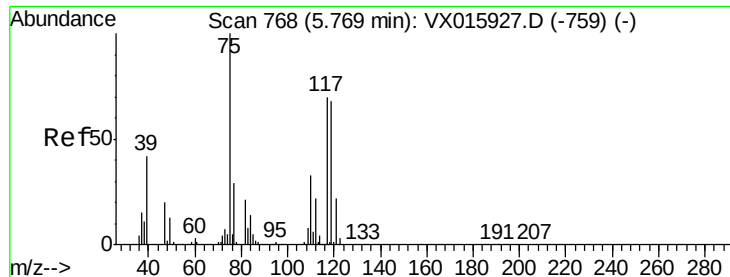


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.354 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX015951.D

Acq: 24 Apr 2020 23:08

Instrument :

MSVOA_X

ClientSampleId :

PB125457TB

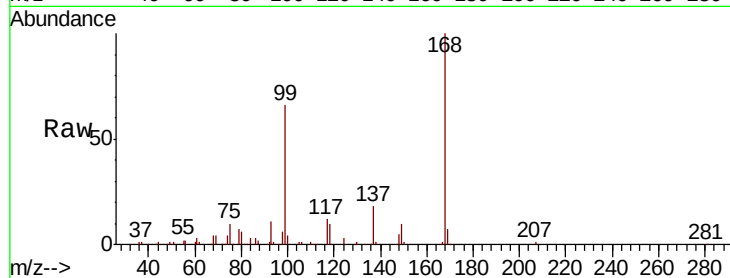
Tot Ion: 75 Resp: 13280

Ion Ratio Lower Upper

75 100

110 7.3 17.1 51.3#

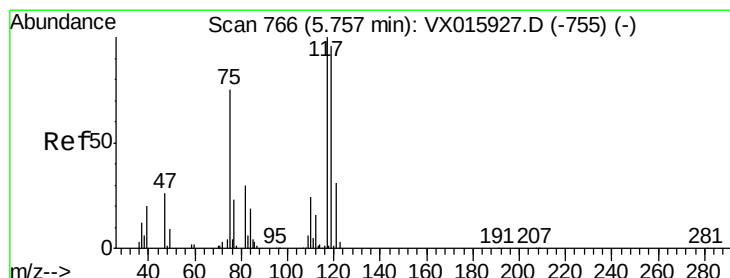
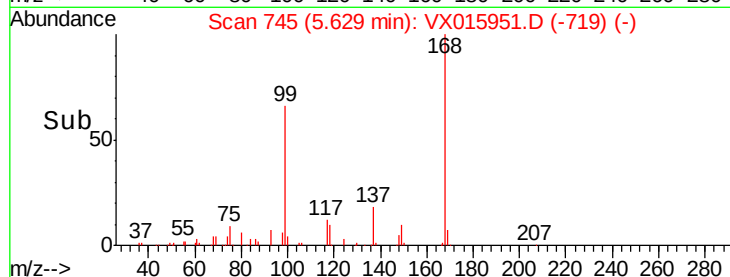
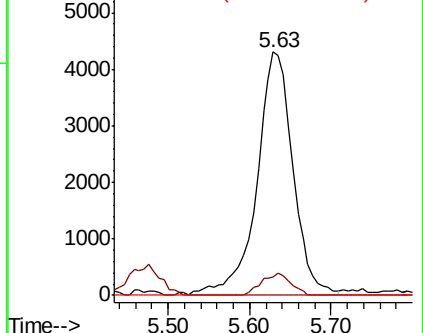
77 0.0 25.0 37.4#



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: 6.546 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX015951.D

Acq: 24 Apr 2020 23:08

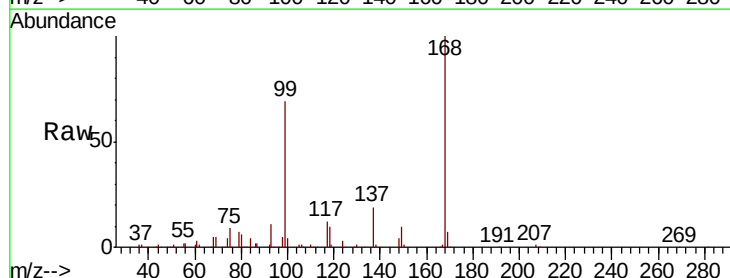
Tgt Ion: 117 Resp: 14837

Ion Ratio Lower Upper

117 100

119 5.0 77.0 115.6#

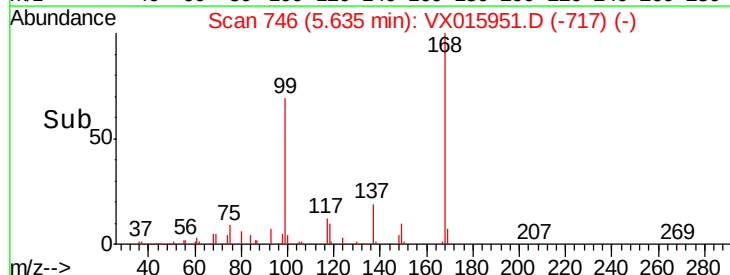
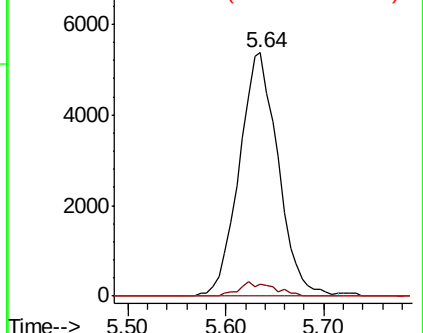
121 0.0 25.0 37.4#

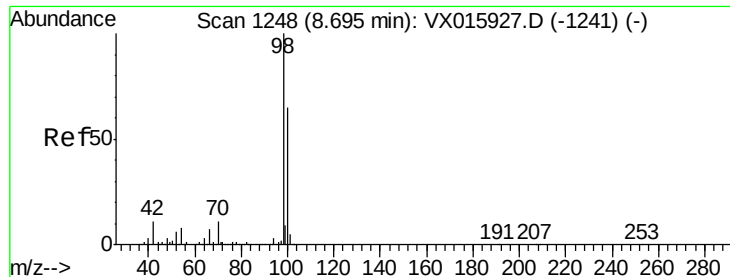


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 54.672 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX015951.D

Acq: 24 Apr 2020 23:08

Instrument :

MSVOA_X

ClientSampleId :

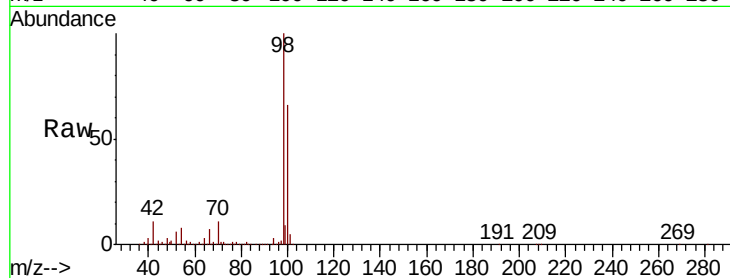
PB125457TB

Tot Ion: 98 Resp: 328090

Ion Ratio Lower Upper

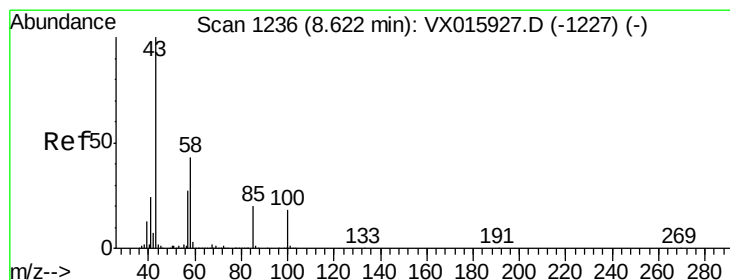
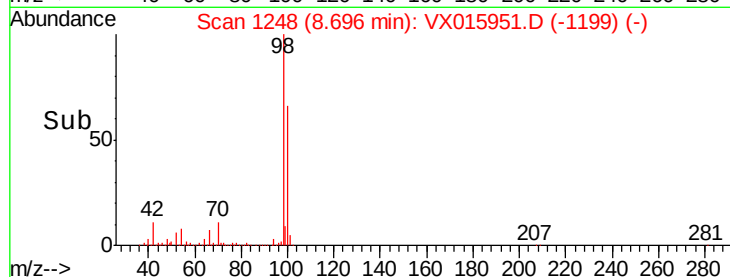
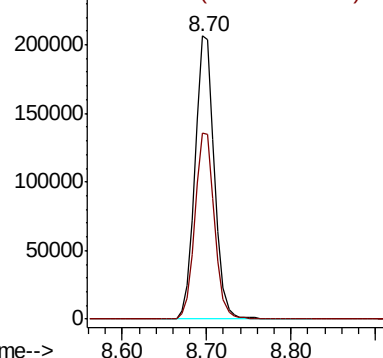
98 100

100 66.2 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#51

4-Methyl-2-Pentanone

Concen: 0.583 ug/l

RT: 8.62 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VX015951.D

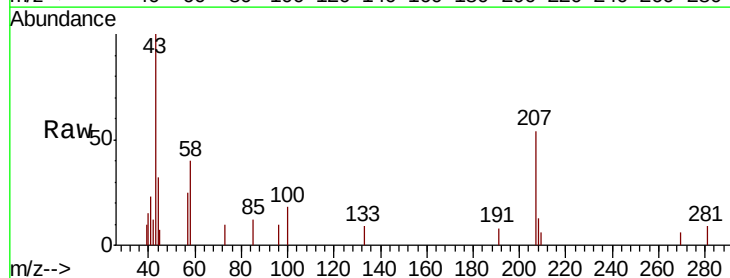
Acq: 24 Apr 2020 23:08

Tgt Ion: 43 Resp: 1397

Ion Ratio Lower Upper

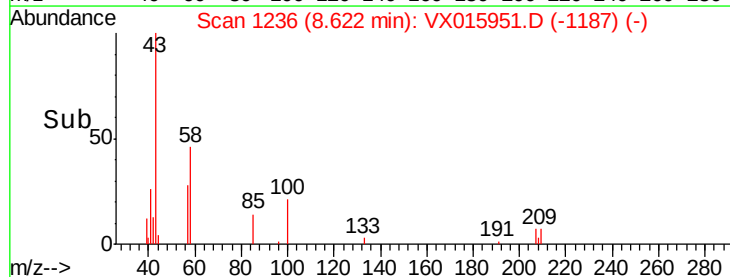
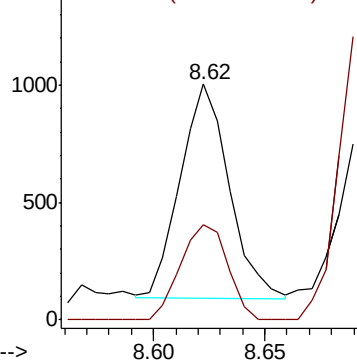
43 100

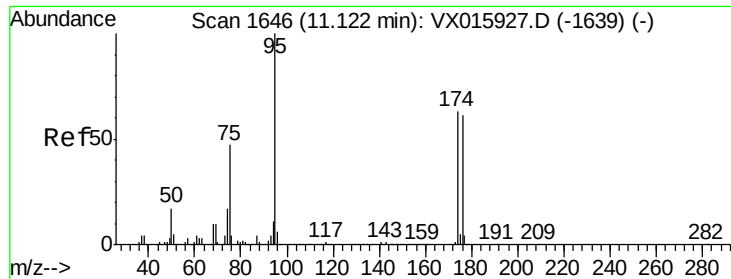
58 42.9 34.2 51.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#62

4-Bromofluorobenzene

Concen: 55.153 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX015951.D

Acq: 24 Apr 2020 23:08

Instrument :

MSVOA_X

ClientSampled :

PB125457TB

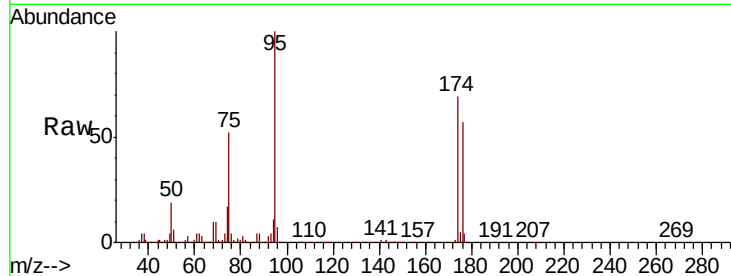
Tot Ion: 95 Resp: 134245

Ion Ratio Lower Upper

95 100

174 66.6 0.0 133.6

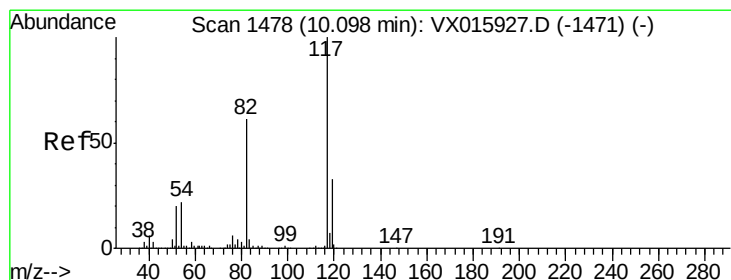
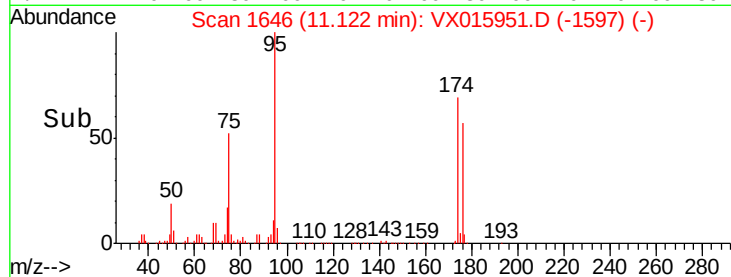
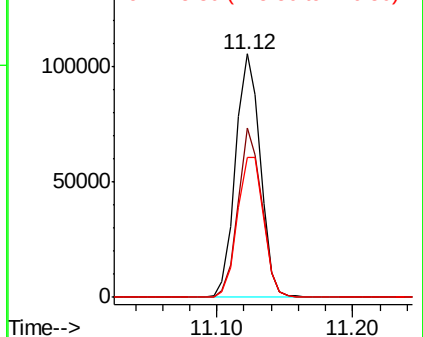
176 61.3 0.0 126.0



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: VX015951.D

Acq: 24 Apr 2020 23:08

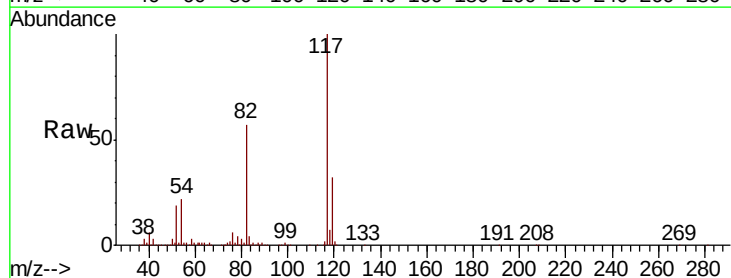
Tgt Ion: 117 Resp: 253373

Ion Ratio Lower Upper

117 100

82 57.2 48.5 72.7

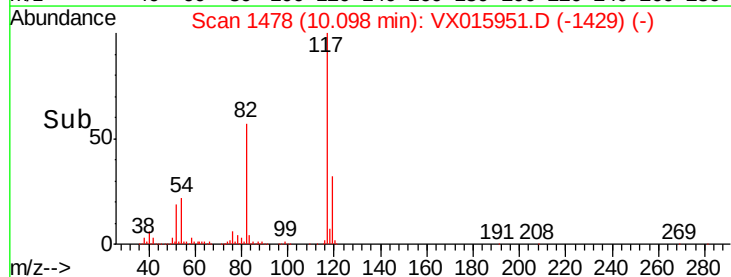
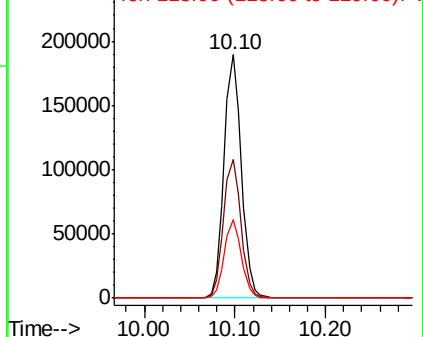
119 32.4 26.2 39.4

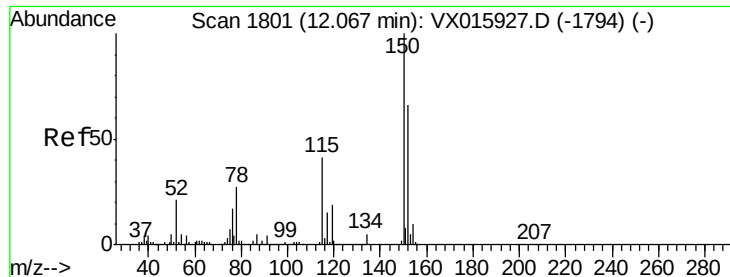


Abundance Ion 116.90 (116.60 to 117.60): V

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: 12.07 min Scan# 1801

Delta R.T. 0.00 min

Lab File: VX015951.D

Acq: 24 Apr 2020 23:08

Instrument :

MSVOA_X

ClientSampleId :

PB125457TB

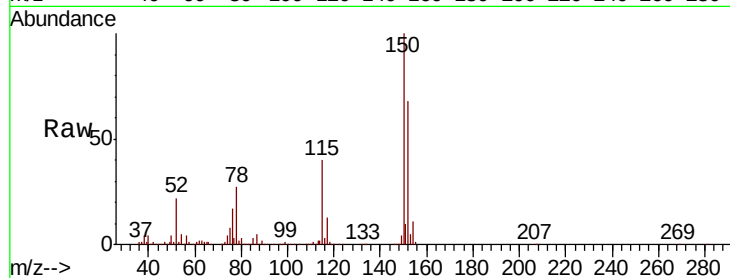
Tot Ion:152 Resp: 122870

Ion Ratio Lower Upper

152 100

115 63.2 44.1 132.4

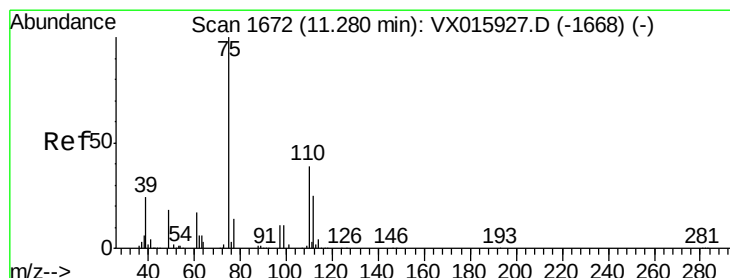
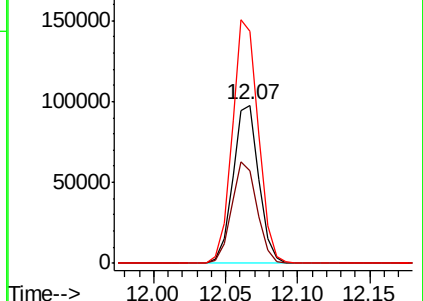
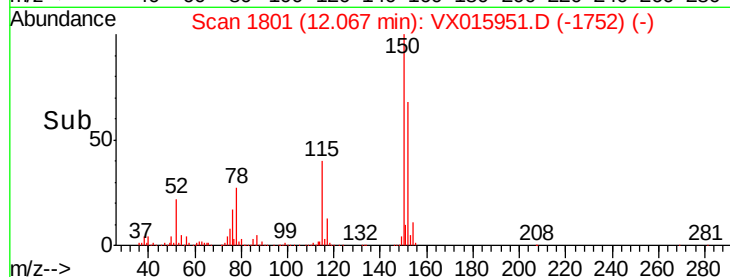
150 154.9 0.0 343.6



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: 25.682 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX015951.D

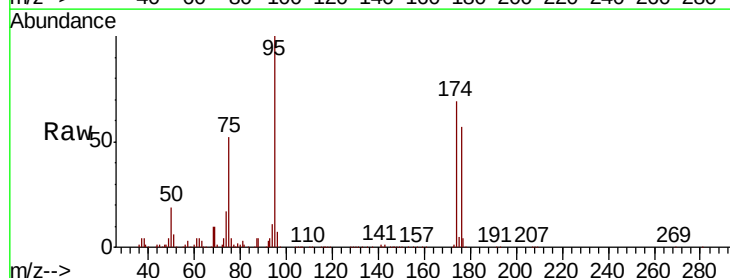
Acq: 24 Apr 2020 23:08

Tgt Ion: 75 Resp: 67688

Ion Ratio Lower Upper

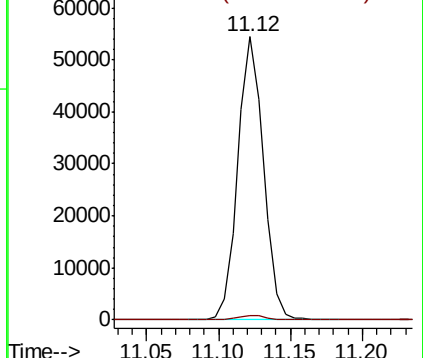
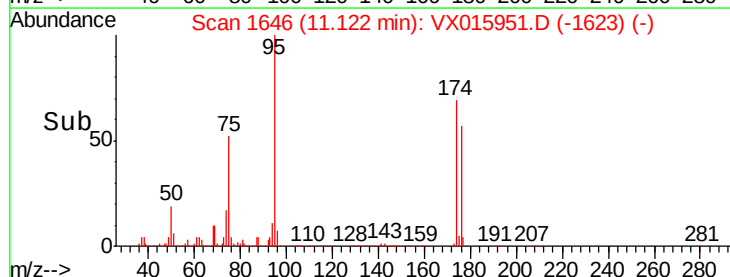
75 100

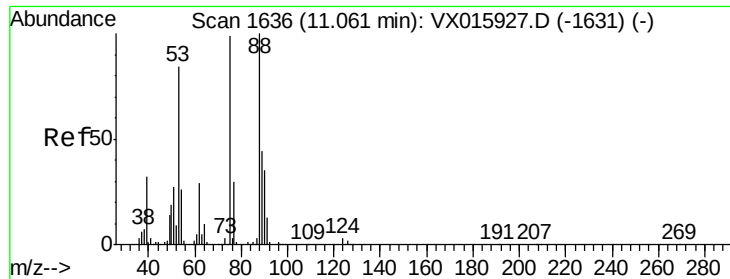
77 1.5 22.1 66.5#



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: 57.851 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX015951.D

Acq: 24 Apr 2020 23:08

Instrument :

MSVOA_X

ClientSampleId :

PB125457TB

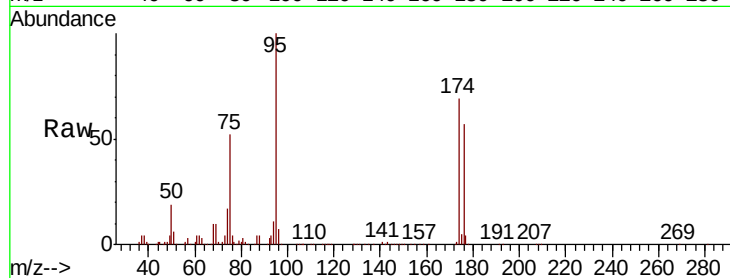
Tot Ion: 75 Resp: 67688

Ion Ratio Lower Upper

75 100

53 0.0 69.7 104.5#

89 0.0 36.3 54.5#



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

