

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070120\
 Data File : VX017100.D
 Acq On : 01 Jul 2020 16:00
 Operator : JC/SP
 Sample : L3129-03 20X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 1405-1406

Quant Time: Jul 02 01:37:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062920W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 29 17:10:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	203551	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	340551	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	366260	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	201496	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	132638	52.86	ug/l	0.00
Spiked Amount			Recovery	=	105.72%	
35) Dibromofluoromethane	5.46	113	113546	52.71	ug/l	0.00
Spiked Amount			Recovery	=	105.42%	
50) Toluene-d8	8.70	98	416218	52.25	ug/l	0.00
Spiked Amount			Recovery	=	104.50%	
62) 4-Bromofluorobenzene	11.12	95	183847	59.04	ug/l	0.00
Spiked Amount			Recovery	=	118.08%	

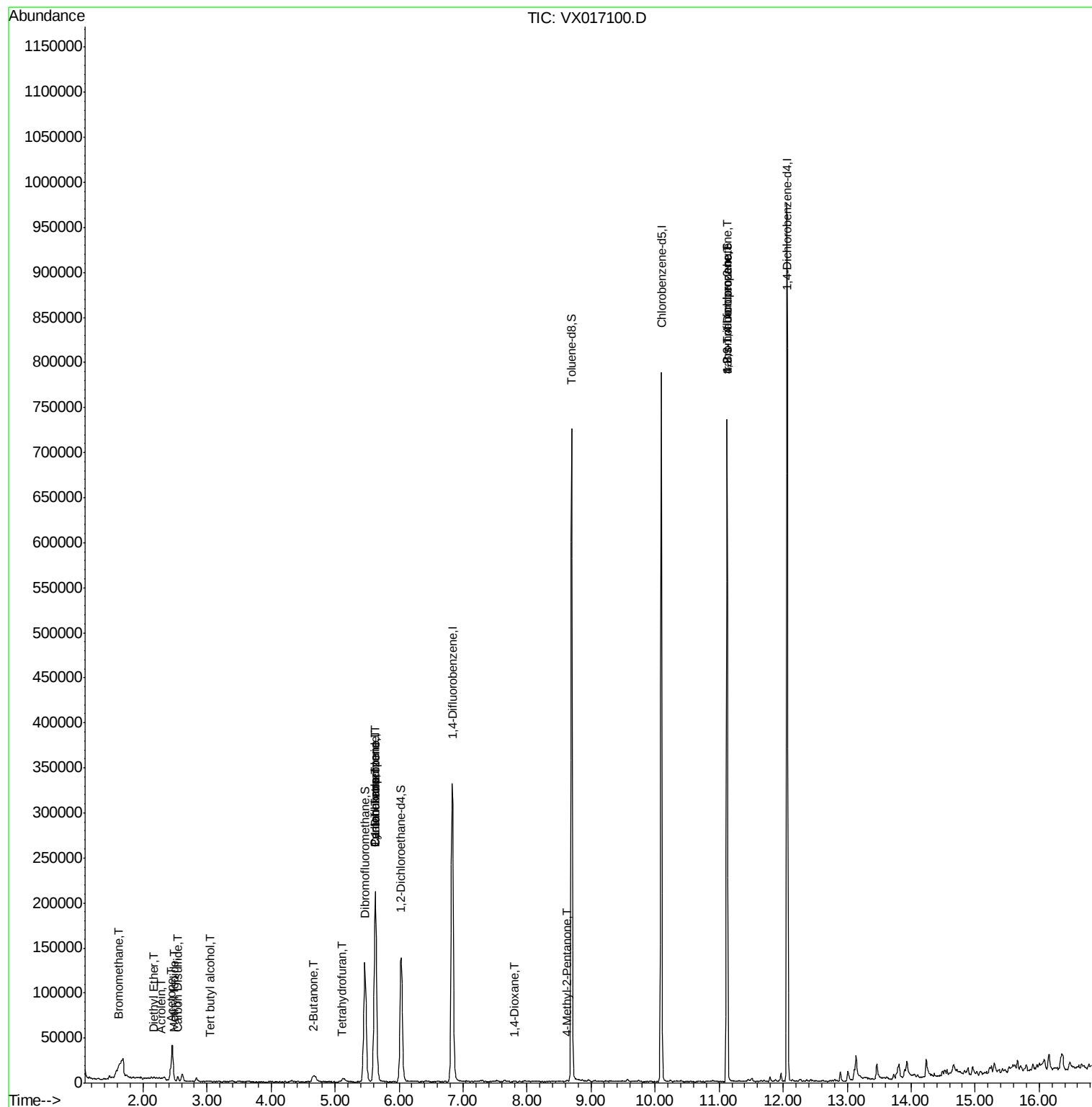
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.62	94	664	0.568	ug/l #	38
8) Diethyl Ether	2.18	74	409	0.734	ug/l	99
10) Methyl Iodide	2.49	142	742	0.293	ug/l #	76
11) Tert butyl alcohol	3.05	59	608	1.270	ug/l #	73
13) Acrolein	2.28	56	377	1.317	ug/l #	57
16) Acetone	2.43	43	14693	15.652	ug/l #	88
17) Carbon Disulfide	2.54	76	5915	1.075	ug/l	98
20) Methylene Chloride	2.83	84	1592	Below Cal	#	85
25) 2-Butanone	4.65	43	8983	5.743	ug/l	95
29) Tetrahydrofuran	5.09	42	242	0.234	ug/l #	48
31) Cyclohexane	5.63	56	3982	1.175	ug/l #	5
36) 1,1-Dichloropropene	5.62	75	14736	4.578	ug/l #	50
38) Carbon Tetrachloride	5.63	117	19638	5.540	ug/l #	16
44) Trichloroethene	7.19	130	155	Below Cal		92
49) 1,4-Dioxane	7.79	88	46	0.788	ug/l #	1
51) 4-Methyl-2-Pentanone	8.62	43	1023	0.316	ug/l	95
76) 1,2,3-Trichloropropane	11.12	75	91001	22.967	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	91001	59.476	ug/l #	13
88) 1,4-Dichlorobenzene	12.06	146	529	Below Cal	#	1

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X062920W.M
Quant Title : SW846 8260
QLast Update : Mon Jun 29 17:10:38 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX017100.D

Acq: 01 Jul 2020 16:00

Instrument :

MSVOA_X

ClientSampleId :

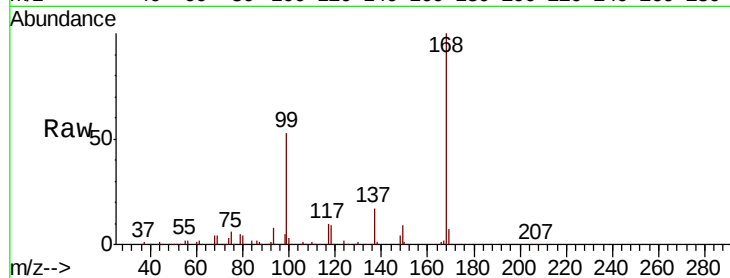
1405-1406

Tot Ion:168 Resp: 203551

Ion Ratio Lower Upper

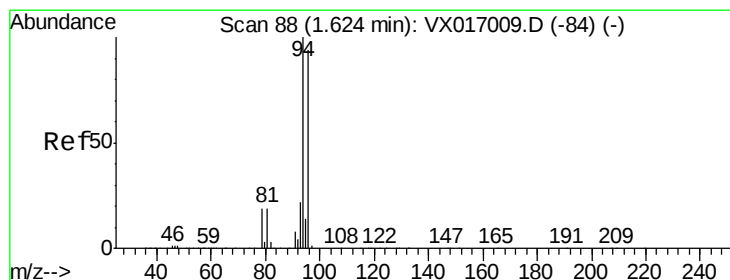
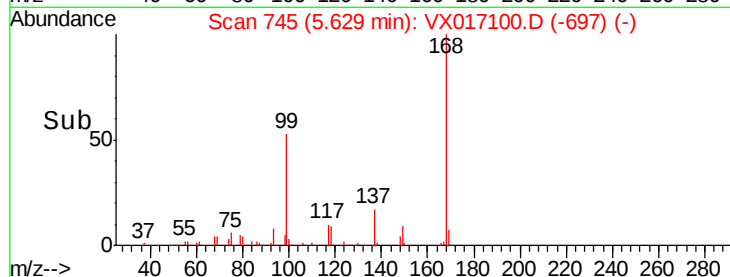
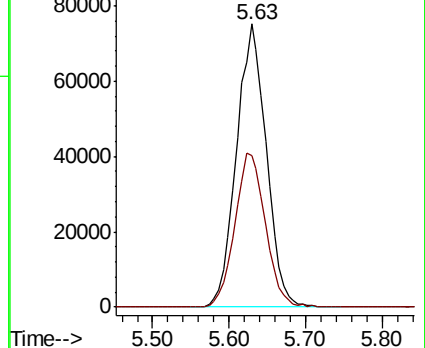
168 100

99 53.3 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.568 ug/l

RT: 1.62 min Scan# 87

Delta R.T. -0.01 min

Lab File: VX017100.D

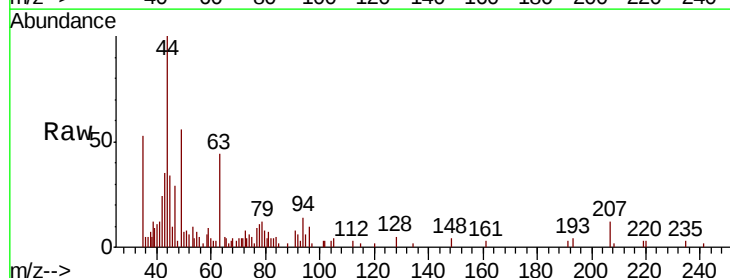
Acq: 01 Jul 2020 16:00

Tgt Ion: 94 Resp: 664

Ion Ratio Lower Upper

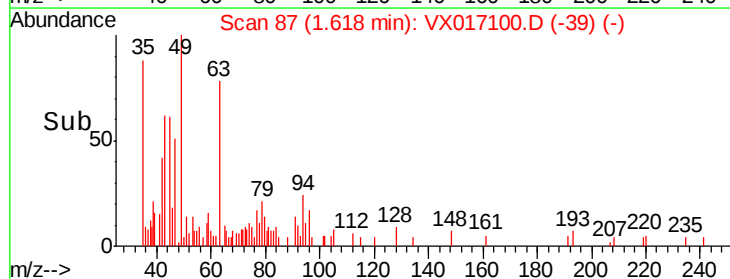
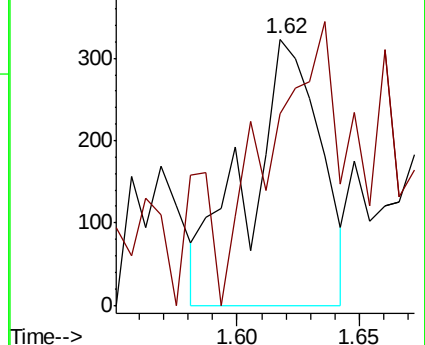
94 100

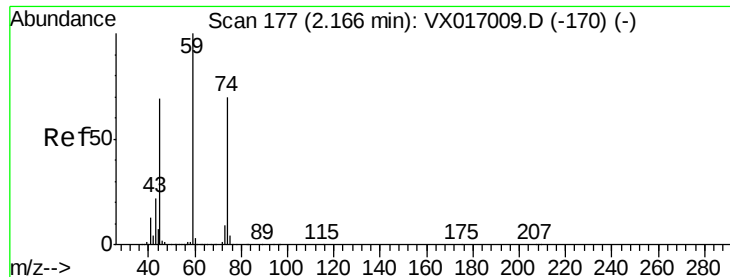
96 34.4 75.0 112.4#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#8

Diethyl Ether

Concen: 0.734 ug/l

RT: 2.18 min Scan# 179

Delta R.T. 0.01 min

Lab File: VX017100.D

Acq: 01 Jul 2020 16:00

Instrument :

MSVOA_X

ClientSampleId :

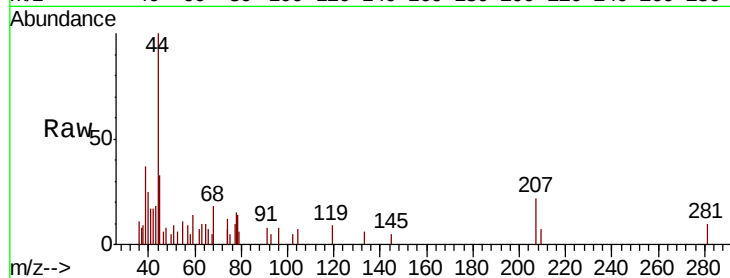
1405-1406

Tot Ion: 74 Resp: 409

Ion Ratio Lower Upper

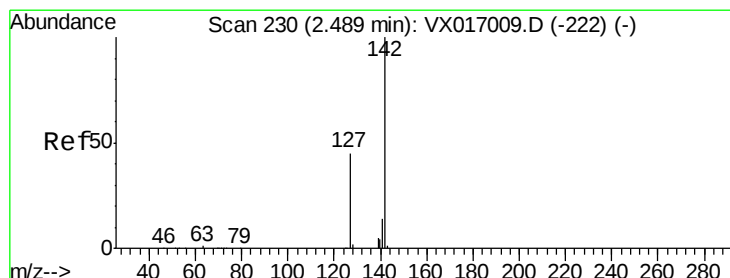
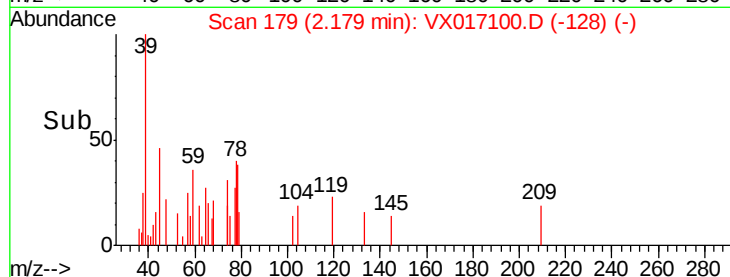
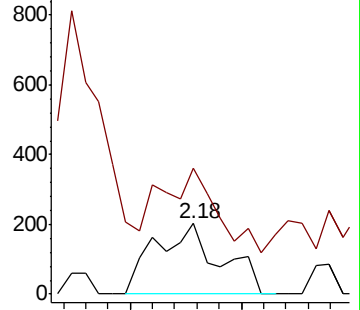
74 100

45 100.0 49.8 149.3



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



#10

Methyl Iodide

Concen: 0.293 ug/l

RT: 2.49 min Scan# 230

Delta R.T. -0.00 min

Lab File: VX017100.D

Acq: 01 Jul 2020 16:00

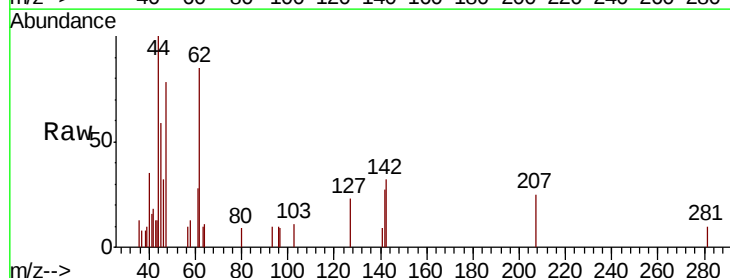
Tgt Ion:142 Resp: 742

Ion Ratio Lower Upper

142 100

127 27.4 36.6 54.8#

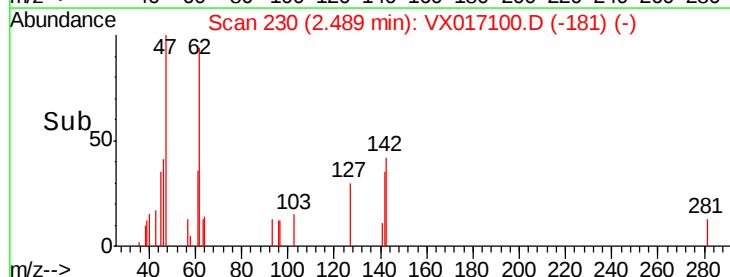
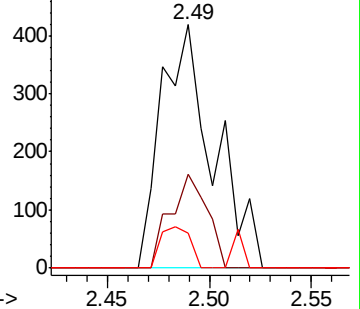
141 9.4 11.6 17.4#

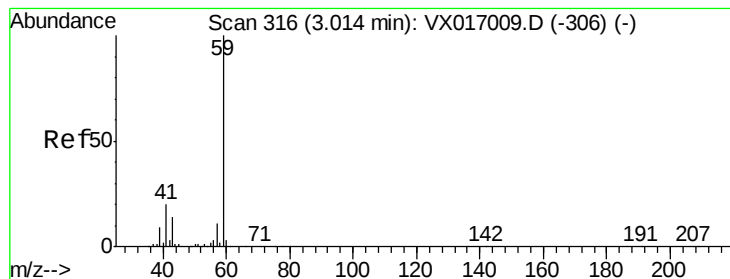


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



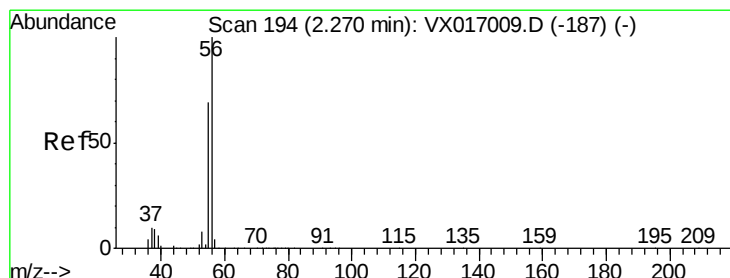
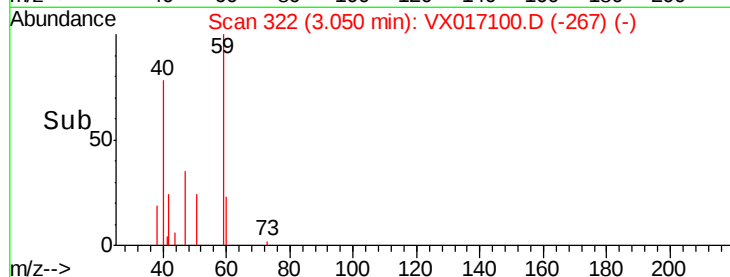
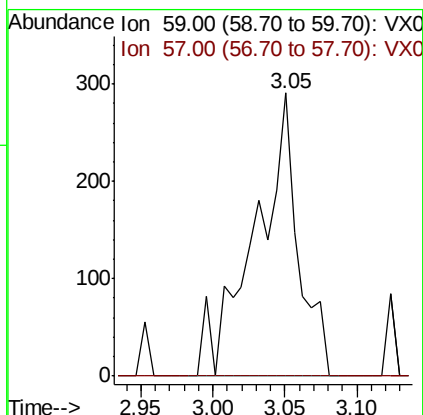
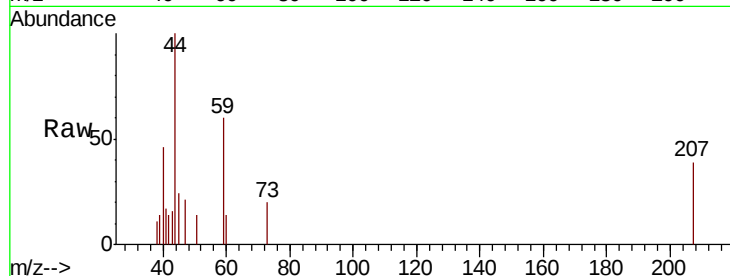


#11

Tert butyl alcohol
Concen: 1.270 ug/l
RT: 3.05 min Scan# 322
Delta R.T. 0.04 min
Lab File: VX017100.D
Acq: 01 Jul 2020 16:00

Instrument :
MSVOA_X
ClientSampleId :
1405-1406

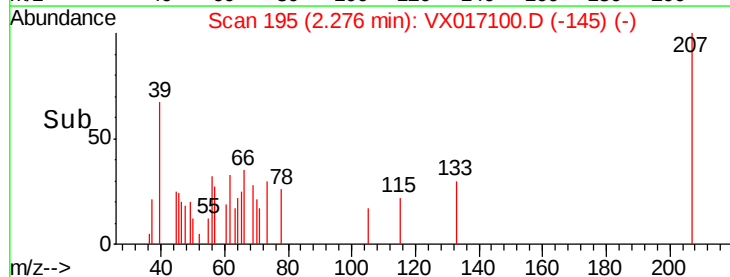
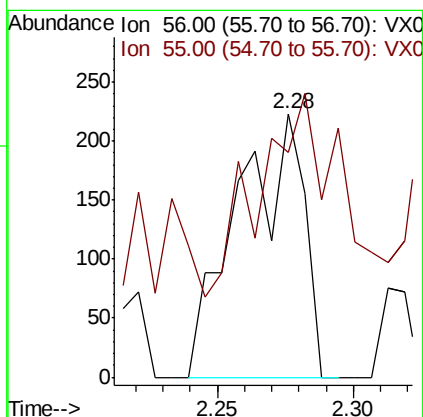
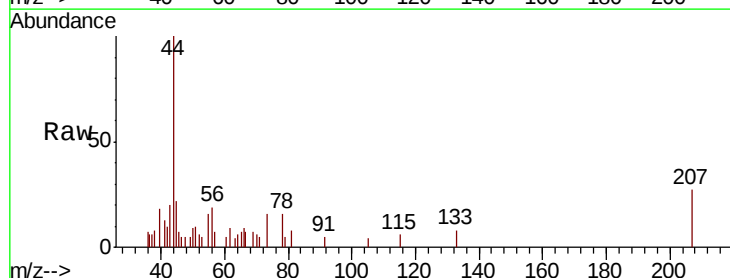
Tot Ion: 59 Resp: 608
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

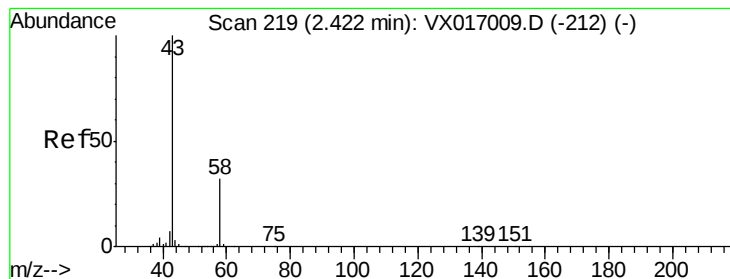


#13

Acrolein
Concen: 1.317 ug/l
RT: 2.28 min Scan# 195
Delta R.T. 0.01 min
Lab File: VX017100.D
Acq: 01 Jul 2020 16:00

Tgt Ion: 56 Resp: 377
Ion Ratio Lower Upper
56 100
55 105.0 55.7 83.5#





#16

Acetone

Concen: 15.652 ug/l

RT: 2.43 min Scan# 220

Delta R.T. 0.01 min

Lab File: VX017100.D

Acq: 01 Jul 2020 16:00

Instrument :

MSVOA_X

ClientSampleId :

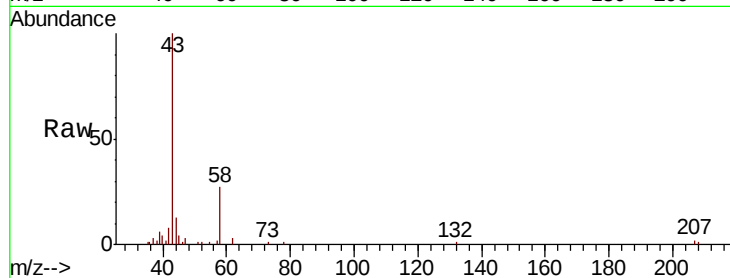
1405-1406

Tot Ion: 43 Resp: 14693

Ion Ratio Lower Upper

43 100

58 25.4 25.7 38.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.43

10000

8000

6000

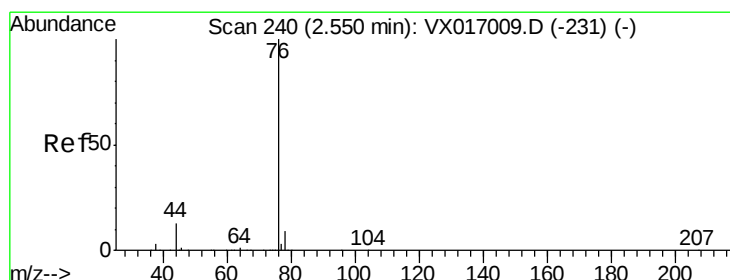
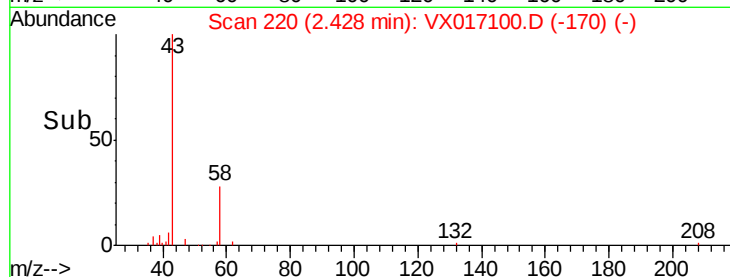
4000

2000

0

Time-->

2.35 2.40 2.45 2.50



#17

Carbon Disulfide

Concen: 1.075 ug/l

RT: 2.54 min Scan# 239

Delta R.T. -0.01 min

Lab File: VX017100.D

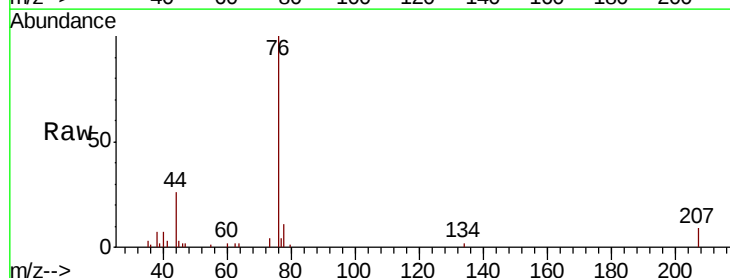
Acq: 01 Jul 2020 16:00

Tgt Ion: 76 Resp: 5915

Ion Ratio Lower Upper

76 100

78 9.9 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.54

4000

3000

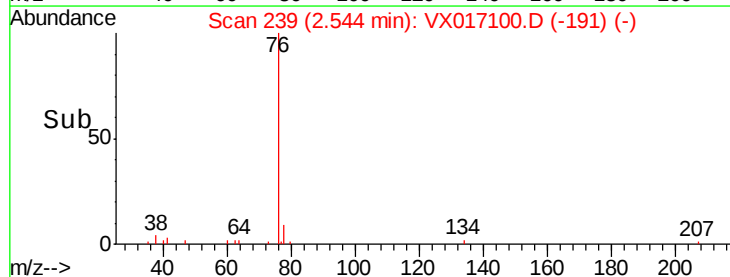
2000

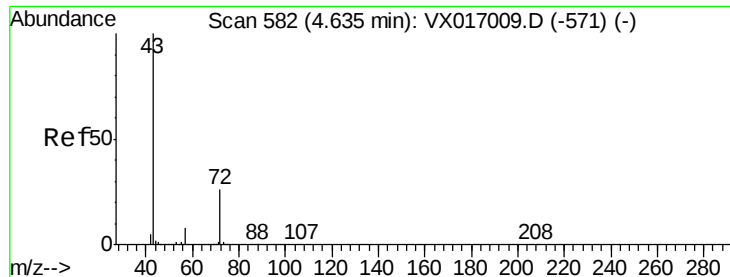
1000

0

Time-->

2.50 2.55 2.60





#25

2-Butanone

Concen: 5.743 ug/l

RT: 4.65 min Scan# 585

Delta R.T. 0.02 min

Lab File: VX017100.D

Acq: 01 Jul 2020 16:00

Instrument :

MSVOA_X

ClientSampleId :

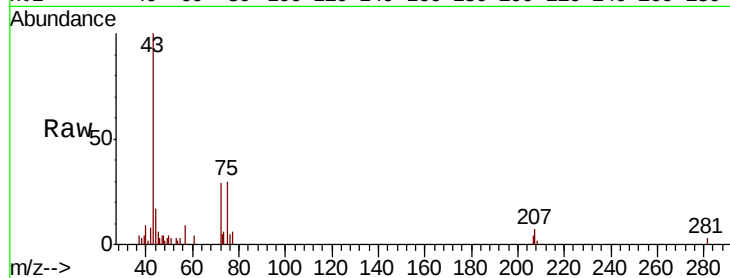
1405-1406

Tot Ion: 43 Resp: 8983

Ion Ratio Lower Upper

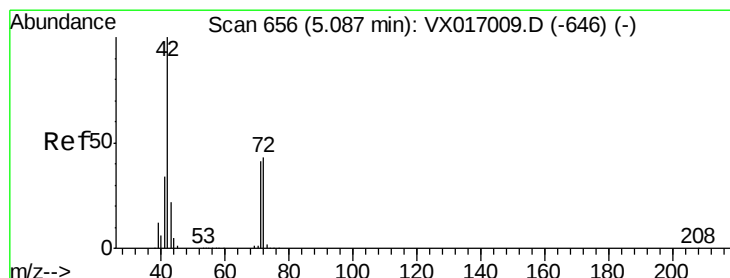
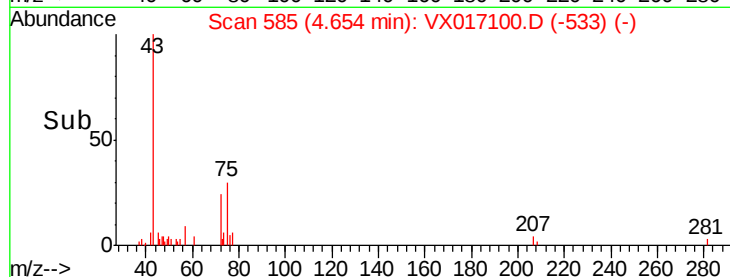
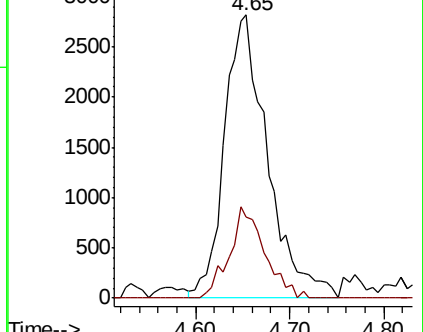
43 100

72 28.7 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#29

Tetrahydrofuran

Concen: 0.234 ug/l

RT: 5.09 min Scan# 657

Delta R.T. 0.01 min

Lab File: VX017100.D

Acq: 01 Jul 2020 16:00

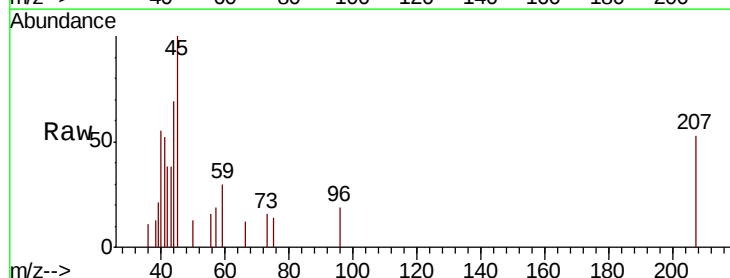
Tgt Ion: 42 Resp: 242

Ion Ratio Lower Upper

42 100

72 0.0 35.3 52.9#

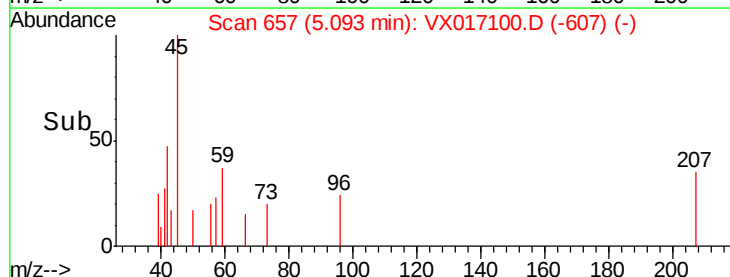
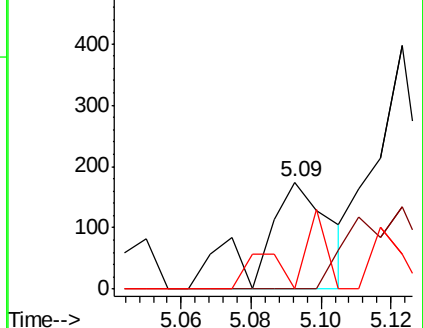
71 19.8 33.1 49.7#

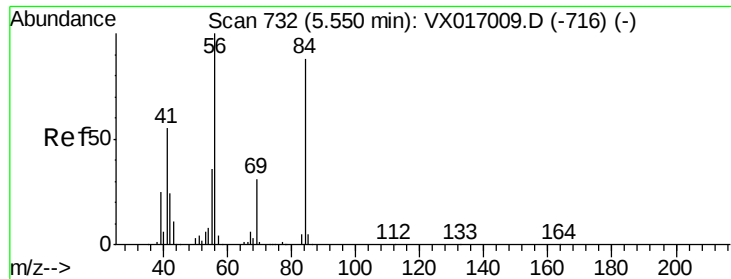


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

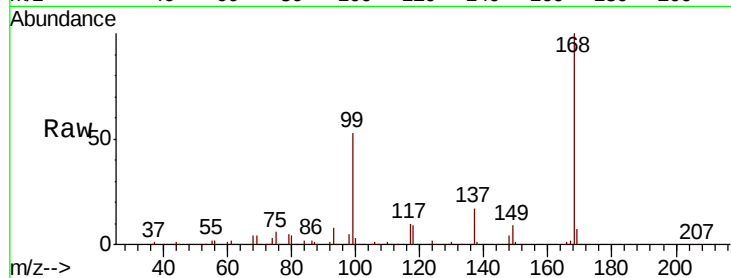




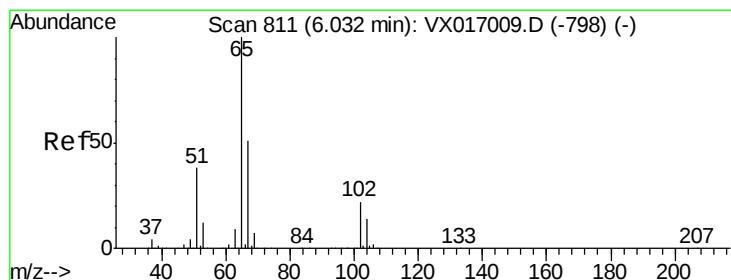
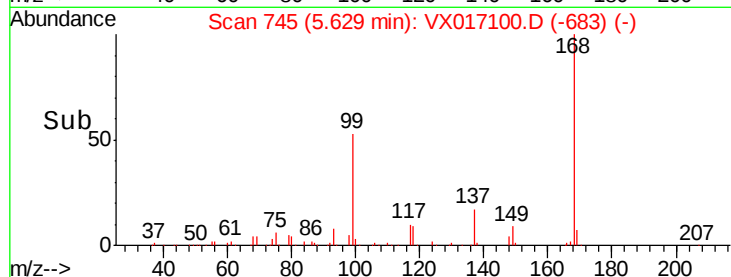
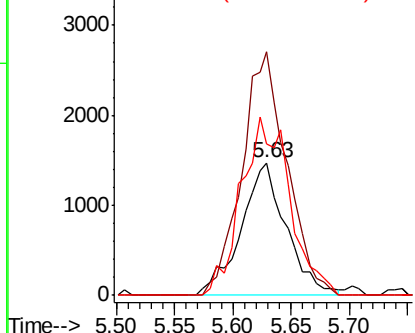
#31
Cyclohexane
Concen: 1.175 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX017100.D
Acq: 01 Jul 2020 16:00

Instrument :
MSVOA_X
ClientSampleId :
1405-1406

Tot Ion: 56 Resp: 3982
Ion Ratio Lower Upper
56 100
69 183.3 25.0 37.4#
84 114.0 69.1 103.7#

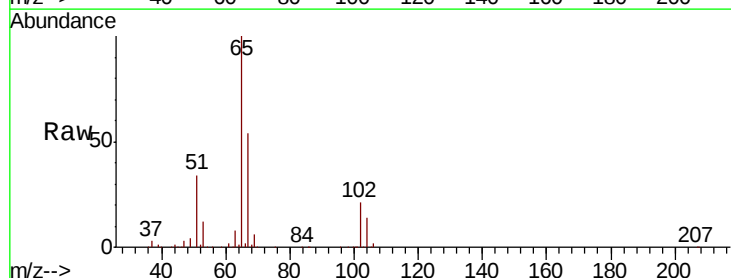


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

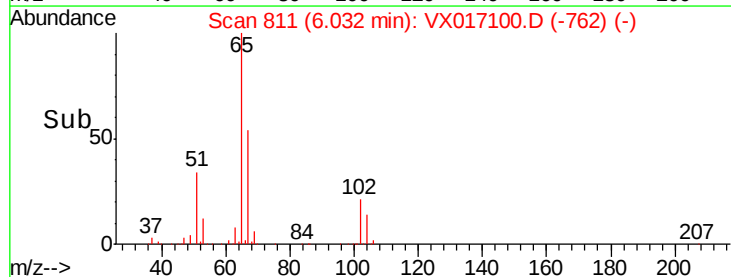
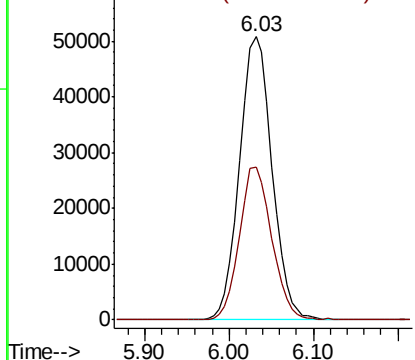


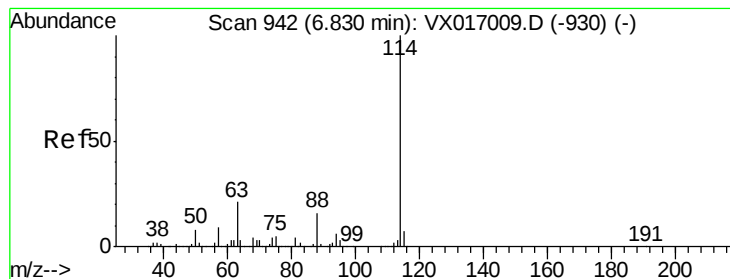
#33
1,2-Dichloroethane-d4
Concen: 52.857 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX017100.D
Acq: 01 Jul 2020 16:00

Tgt Ion: 65 Resp: 132638
Ion Ratio Lower Upper
65 100
67 53.8 0.0 103.8



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: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX017100.D

Acq: 01 Jul 2020 16:00

Instrument :

MSVOA_X

ClientSampleId :

1405-1406

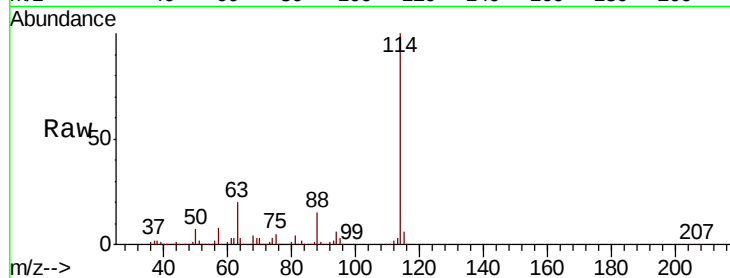
Tot Ion:114 Resp: 340551

Ion Ratio Lower Upper

114 100

63 19.5 0.0 41.4

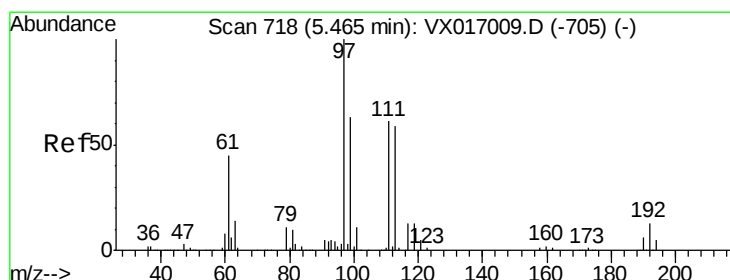
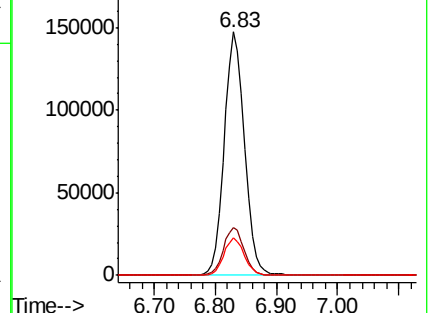
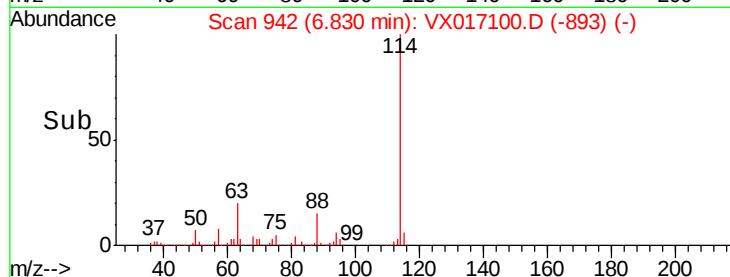
88 15.3 0.0 32.4



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: 52.709 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX017100.D

Acq: 01 Jul 2020 16:00

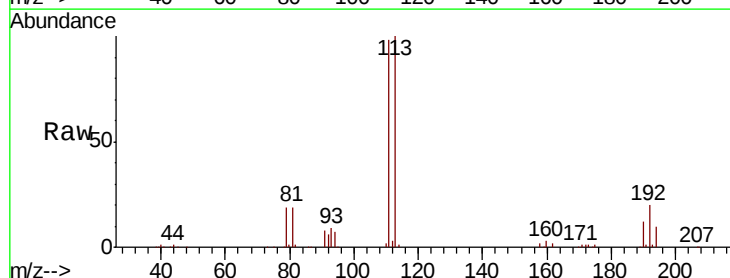
Tgt Ion:113 Resp: 113546

Ion Ratio Lower Upper

113 100

111 100.3 81.9 122.9

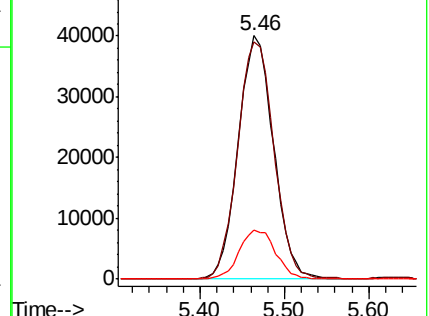
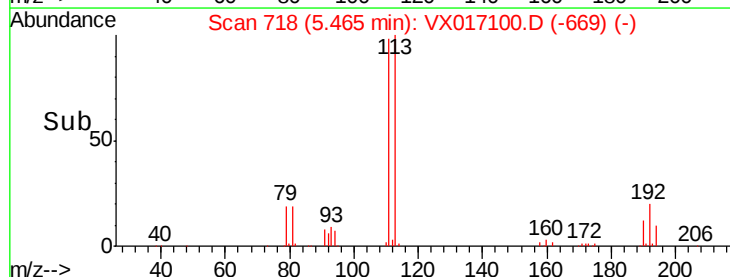
192 20.9 16.7 25.1

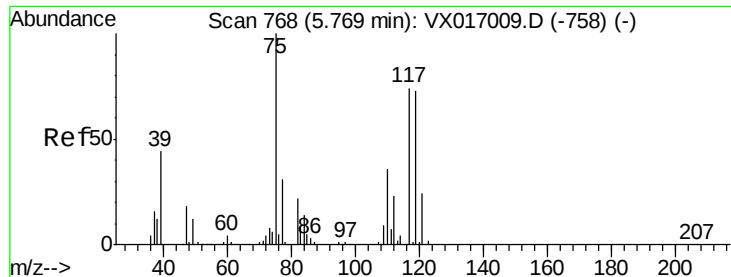


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.578 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.15 min

Lab File: VX017100.D

Acq: 01 Jul 2020 16:00

Instrument :

MSVOA_X

ClientSampleId :

1405-1406

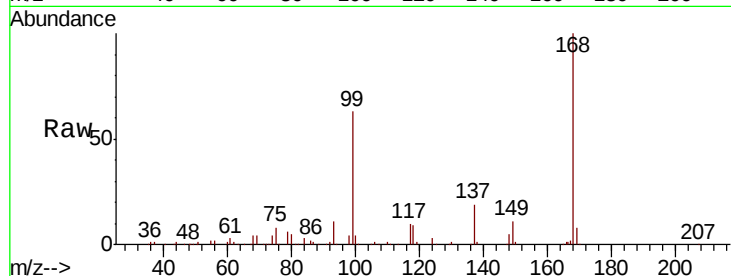
Tot Ion: 75 Resp: 14736

Ion Ratio Lower Upper

75 100

110 9.7 18.1 54.1#

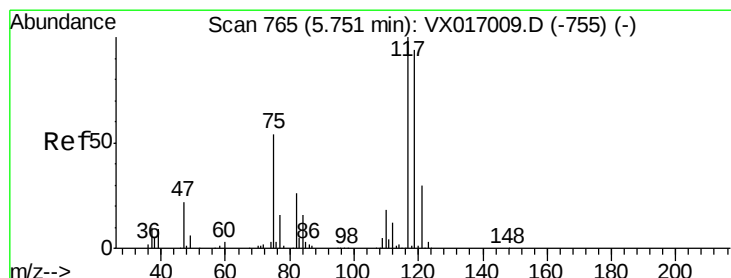
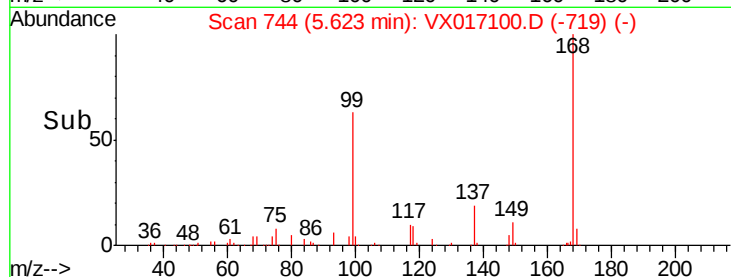
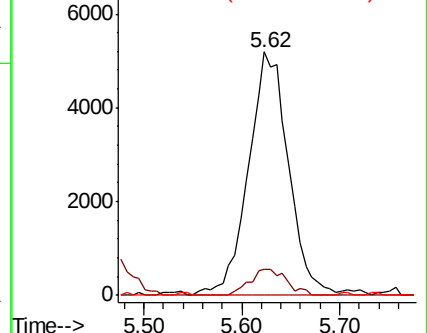
77 0.0 24.6 37.0#



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: 5.540 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX017100.D

Acq: 01 Jul 2020 16:00

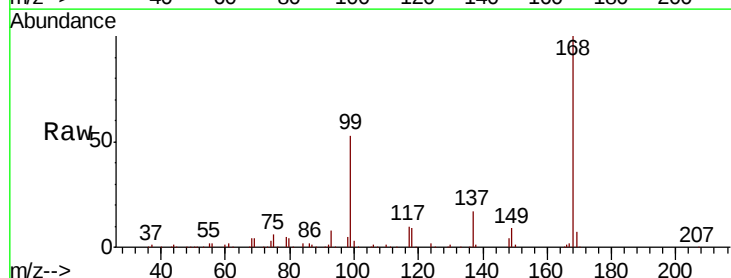
Tgt Ion:117 Resp: 19638

Ion Ratio Lower Upper

117 100

119 4.5 75.4 113.0#

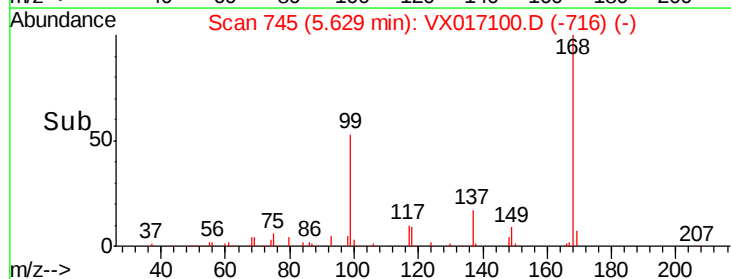
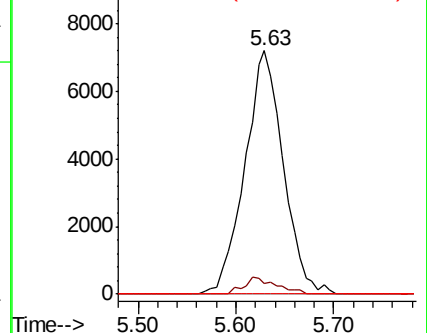
121 0.0 23.8 35.6#

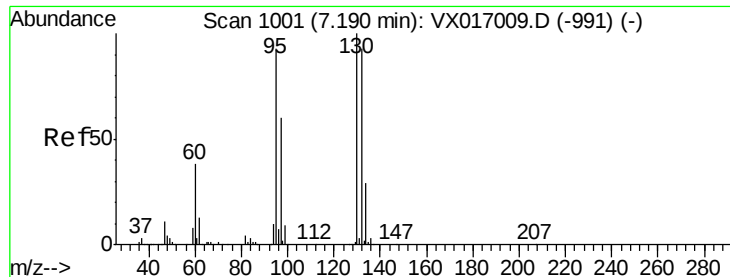


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#44

Trichloroethene

Concen: Below Cal

RT: 7.19 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VX017100.D

Acq: 01 Jul 2020 16:00

Instrument :

MSVOA_X

ClientSampleId :

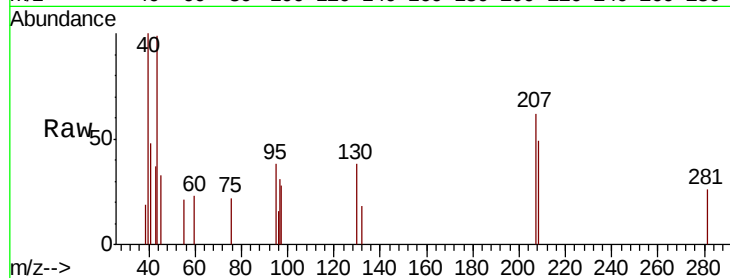
1405-1406

Tot Ion:130 Resp: 155

Ion Ratio Lower Upper

130 100

95 100.0 0.0 185.0

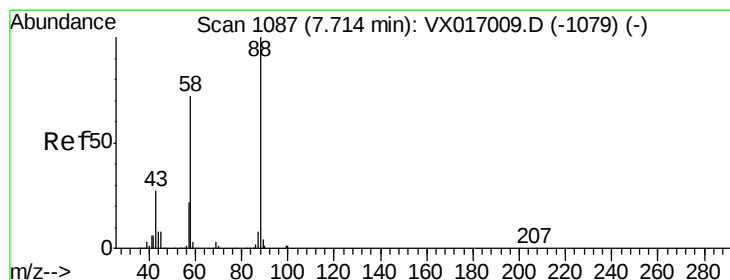
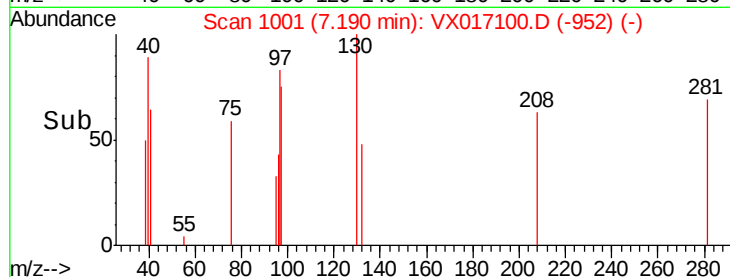


Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.19

Time-->



#49

1,4-Dioxane

Concen: 0.788 ug/l

RT: 7.79 min Scan# 1100

Delta R.T. 0.08 min

Lab File: VX017100.D

Acq: 01 Jul 2020 16:00

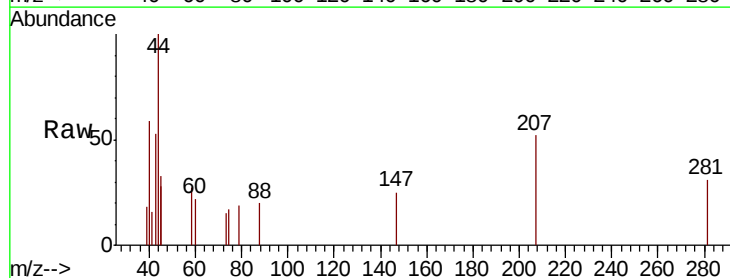
Tgt Ion: 88 Resp: 46

Ion Ratio Lower Upper

88 100

43 291.3 25.8 38.8#

58 234.8 54.8 82.2#



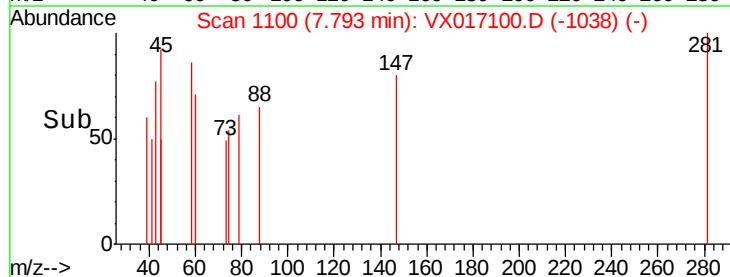
Abundance Ion 88.00 (87.70 to 88.70): VX0

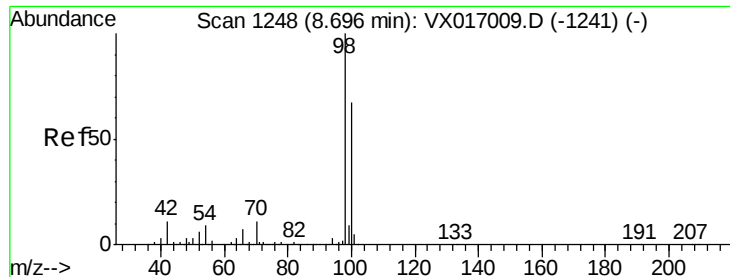
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

7.79

Time-->





#50

Toluene-d8

Concen: 52.250 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX017100.D

Acq: 01 Jul 2020 16:00

Instrument :

MSVOA_X

ClientSampleId :

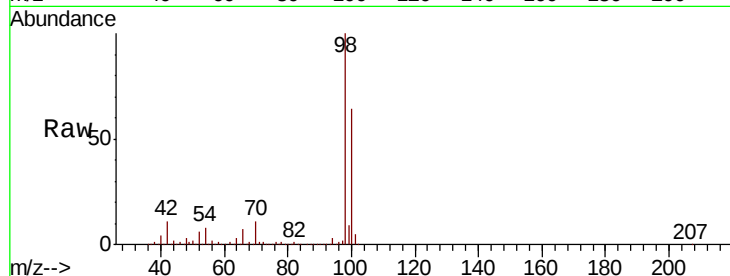
1405-1406

Tot Ion: 98 Resp: 416218

Ion Ratio Lower Upper

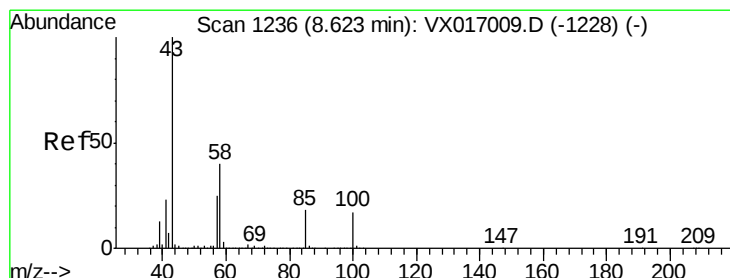
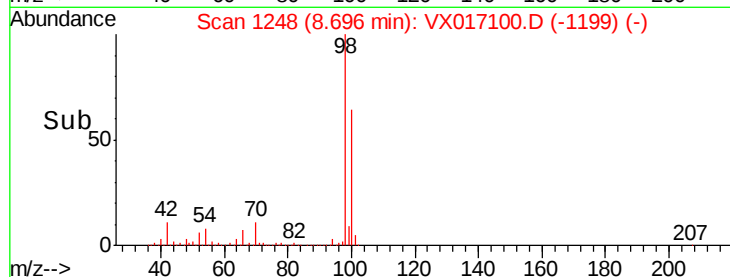
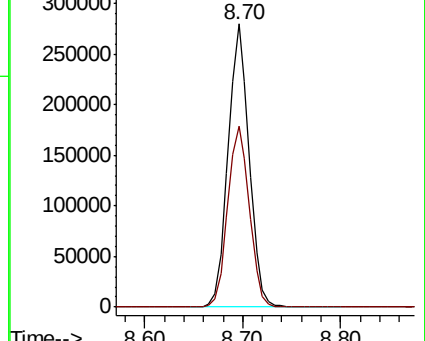
98 100

100 65.8 53.8 80.6



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: 0.316 ug/l

RT: 8.62 min Scan# 1235

Delta R.T. -0.01 min

Lab File: VX017100.D

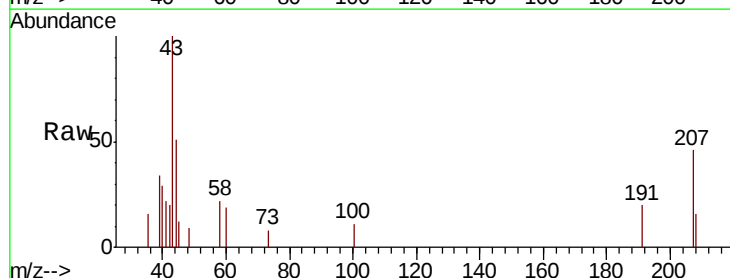
Acq: 01 Jul 2020 16:00

Tgt Ion: 43 Resp: 1023

Ion Ratio Lower Upper

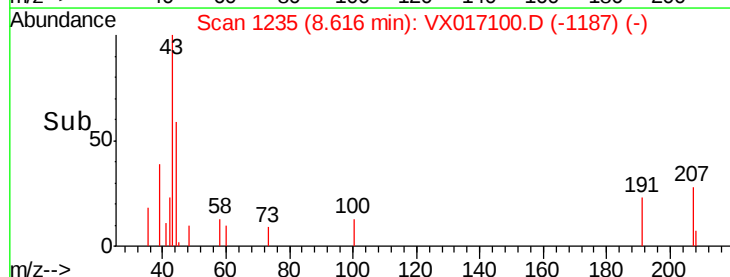
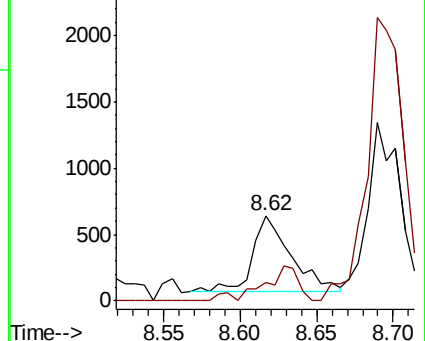
43 100

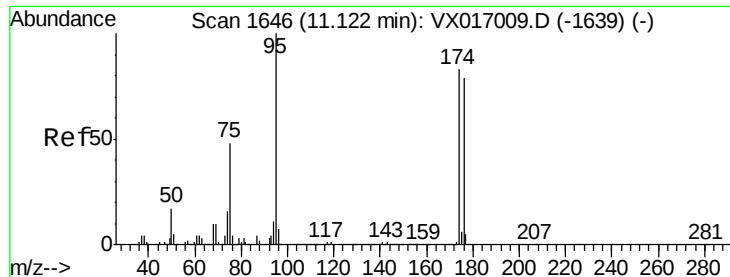
58 36.6 31.9 47.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#62

4-Bromofluorobenzene

Concen: 59.040 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017100.D

Acq: 01 Jul 2020 16:00

Instrument :

MSVOA_X

ClientSampleId :

1405-1406

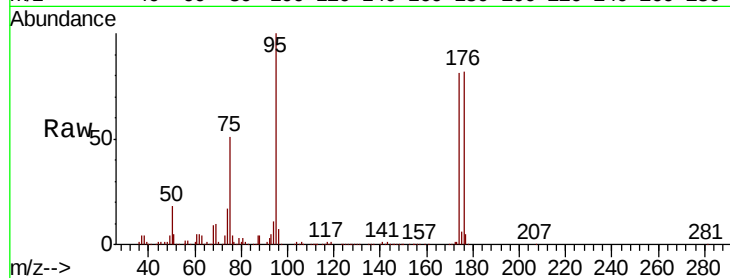
Tot Ion: 95 Resp: 183847

Ion Ratio Lower Upper

95 100

174 83.6 0.0 164.0

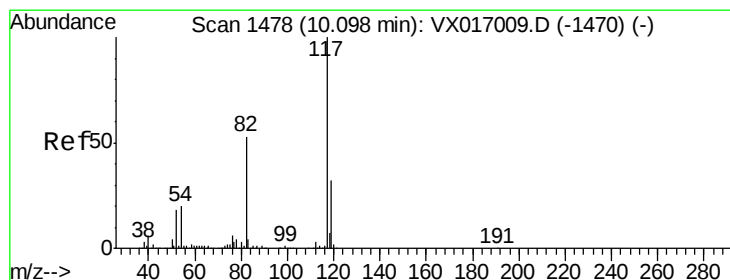
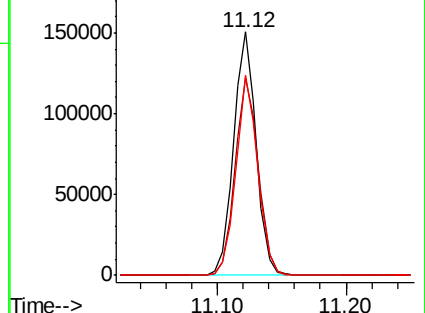
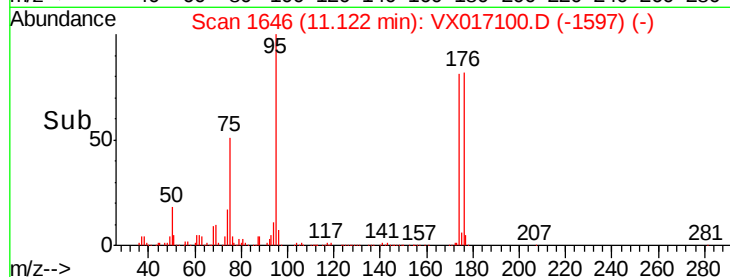
176 79.8 0.0 157.6



Abundance Ion 94.90 (94.60 to 95.60): VX017100.D (-1597) (-)

Ion 173.80 (173.50 to 174.50): VX017100.D (-1597) (-)

Ion 175.80 (175.50 to 176.50): VX017100.D (-1597) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX017100.D

Acq: 01 Jul 2020 16:00

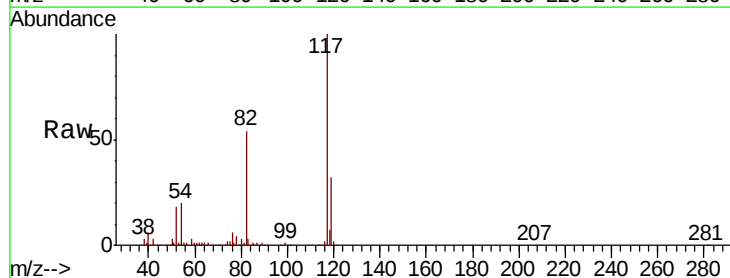
Tgt Ion: 117 Resp: 366260

Ion Ratio Lower Upper

117 100

82 53.6 42.6 63.8

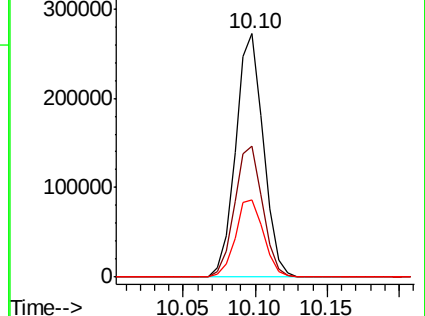
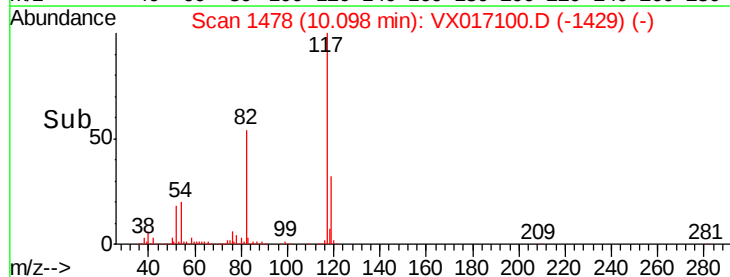
119 31.7 25.4 38.2

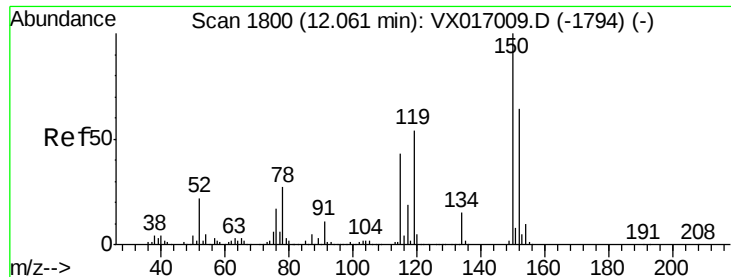


Abundance Ion 116.90 (116.60 to 117.60): VX017100.D (-1429) (-)

Ion 82.00 (81.70 to 82.70): VX017100.D (-1429) (-)

Ion 118.90 (118.60 to 119.60): VX017100.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: VX017100.D

Acq: 01 Jul 2020 16:00

Instrument :

MSVOA_X

ClientSampleId :

1405-1406

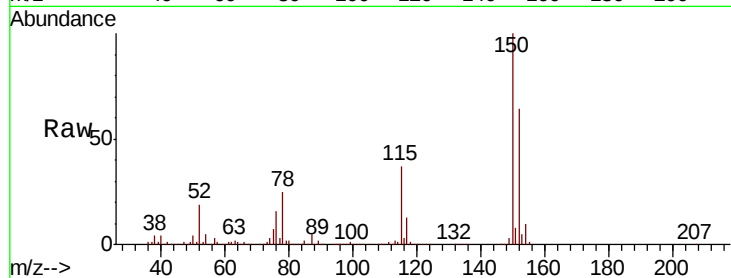
Tot Ion:152 Resp: 201496

Ion Ratio Lower Upper

152 100

115 57.6 40.9 122.7

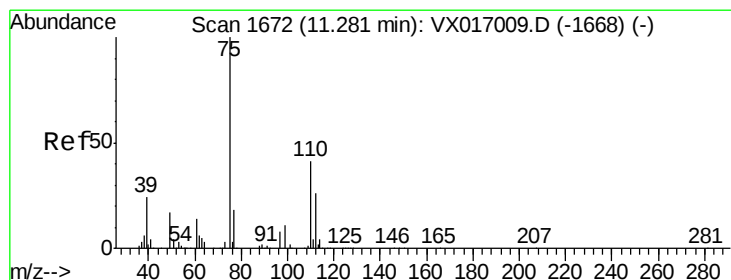
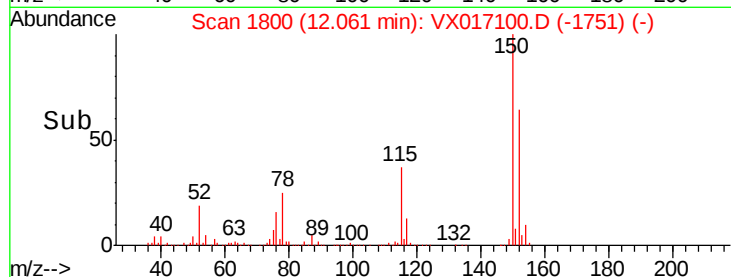
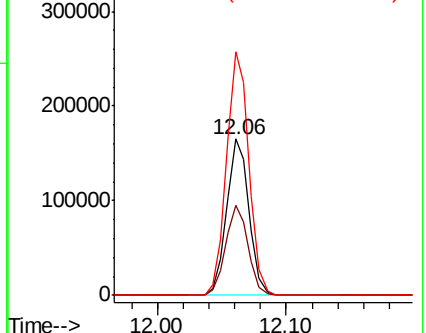
150 155.9 0.0 351.6



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: 22.967 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017100.D

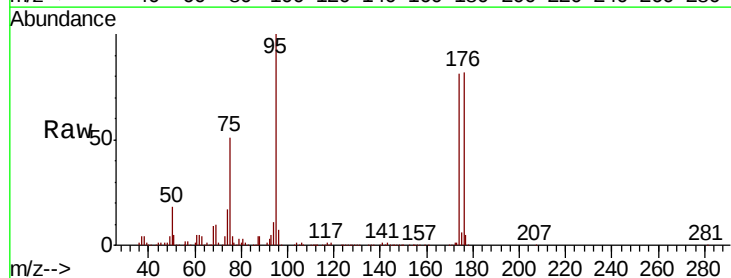
Acq: 01 Jul 2020 16:00

Tgt Ion: 75 Resp: 91001

Ion Ratio Lower Upper

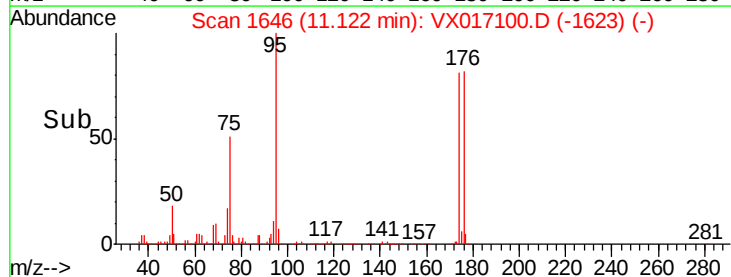
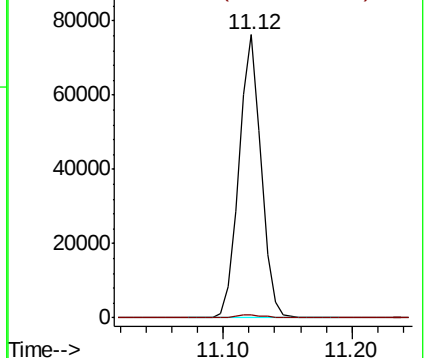
75 100

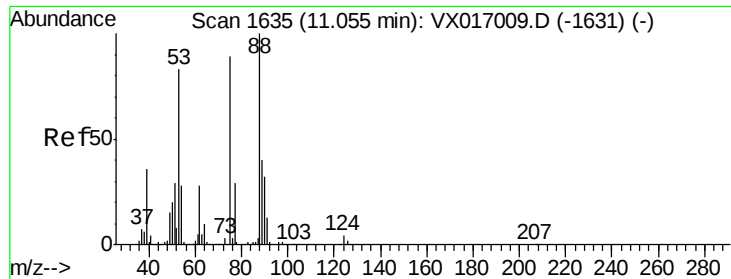
77 1.3 20.2 60.6#



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: 59.476 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.07 min
 Lab File: VX017100.D
 Acq: 01 Jul 2020 16:00

Instrument :
 MSVOA_X
 ClientSampleId :
 1405-1406

Tot Ion: 75 Resp: 91001
 Ion Ratio Lower Upper
 75 100
 53 0.3 72.4 108.6#
 89 0.0 37.0 55.4#

