

Data File : VX016757.D
Acq On : 15 Jun 2020 16:32
Operator : JC/SP
Sample : L3000-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

Quant Time: Jun 16 03:10:17 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061520W.M
Quant Title : SW846 8260
QLast Update : Tue Jun 16 02:02:35 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	241289	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	379015	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	395219	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	197226	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	135622	49.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.94%	
35) Dibromofluoromethane	5.47	113	113478	48.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.06%	
50) Toluene-d8	8.70	98	465594	54.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.00%	
62) 4-Bromofluorobenzene	11.12	95	193882	58.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.58%	

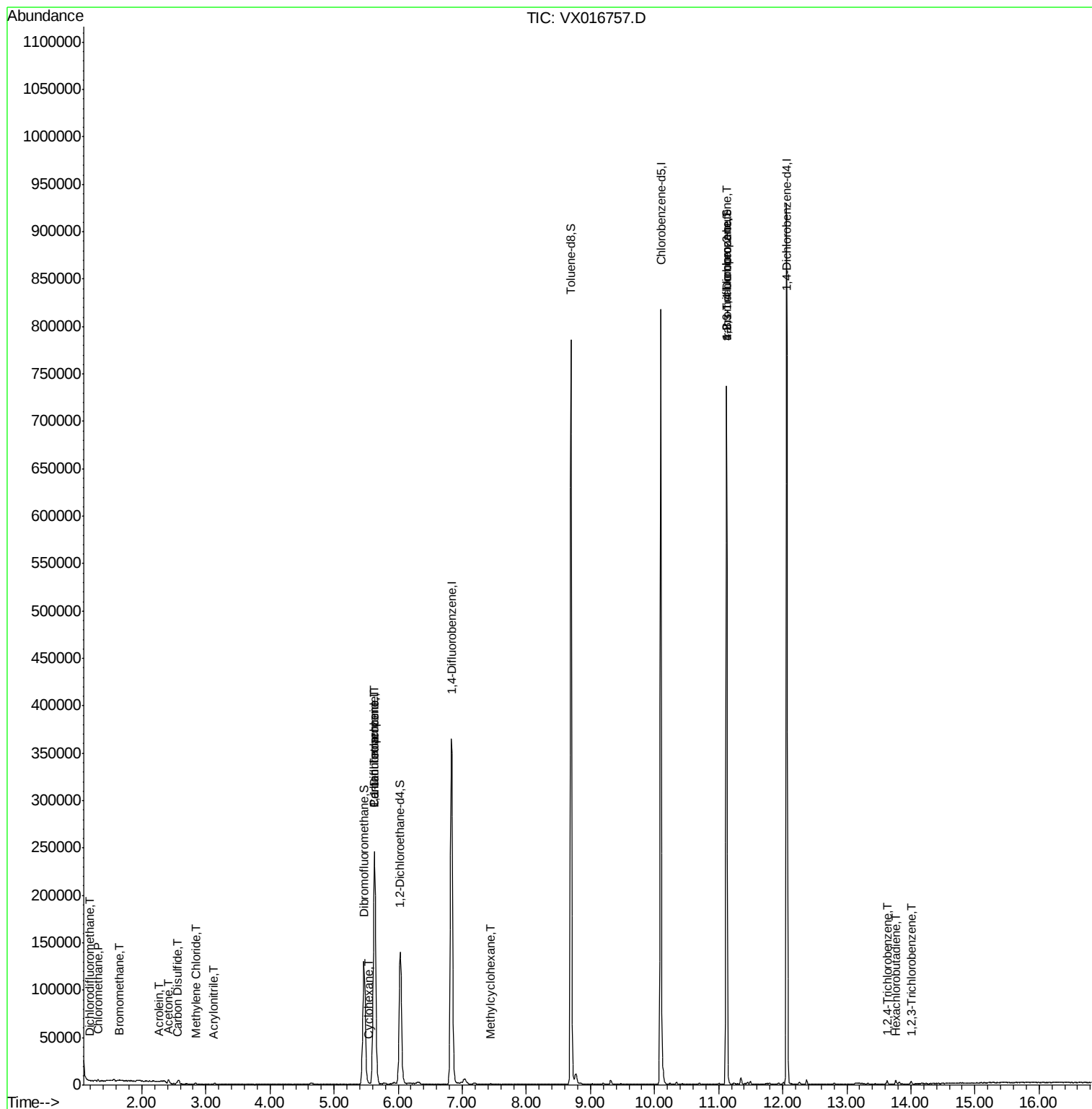
Target Compounds			Qvalue			
2) Dichlorodifluoromethane	1.18	85	169	0.207	ug/l #	67
3) Chloromethane	1.31	50	1302	0.494	ug/l	91
5) Bromomethane	1.65	94	637	0.365	ug/l	97
13) Acrolein	2.28	56	376	3.589	ug/l #	36
15) Acrylonitrile	3.12	53	504	0.364	ug/l #	83
16) Acetone	2.42	43	4602	3.738	ug/l	96
17) Carbon Disulfide	2.55	76	2170	0.321	ug/l #	79
20) Methylene Chloride	2.83	84	688	0.259	ug/l	94
31) Cyclohexane	5.54	56	195	0.750	ug/l #	13
36) 1,1-Dichloropropene	5.64	75	16596	4.955	ug/l #	50
38) Carbon Tetrachloride	5.62	117	22379	5.883	ug/l #	16
39) Methylcyclohexane	7.45	83	365	1.045	ug/l #	58
76) 1,2,3-Trichloropropane	11.12	75	91938	22.167	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	91938	55.804	ug/l #	13
93) 1,2,4-Trichlorobenzene	13.63	180	1157	0.267	ug/l	92
94) Hexachlorobutadiene	13.77	225	593	0.722	ug/l	81
96) 1,2,3-Trichlorobenzene	14.01	180	944	0.222	ug/l	95

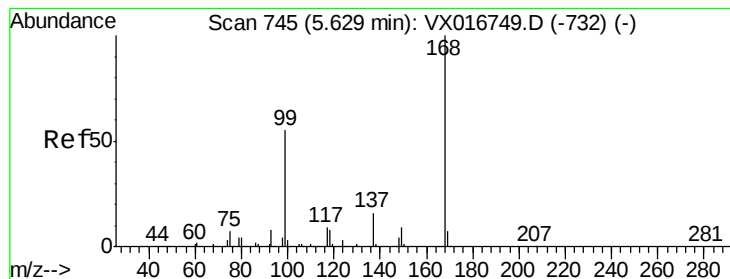
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.00 min

Lab File: VX016757.D

Acq: 15 Jun 2020 16:32

Instrument :

MSVOA_X

ClientSampleId :

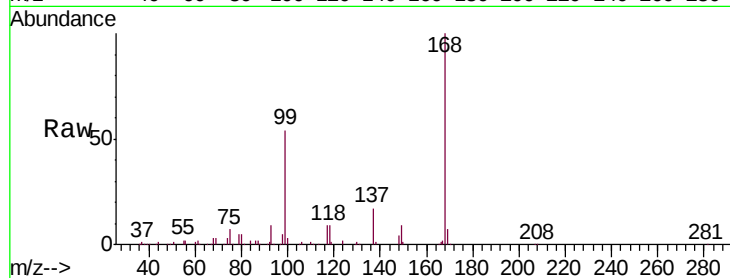
STORAGE-BLANK-WATER-REF-5

Tgt Ion:168 Resp: 241289

Ion Ratio Lower Upper

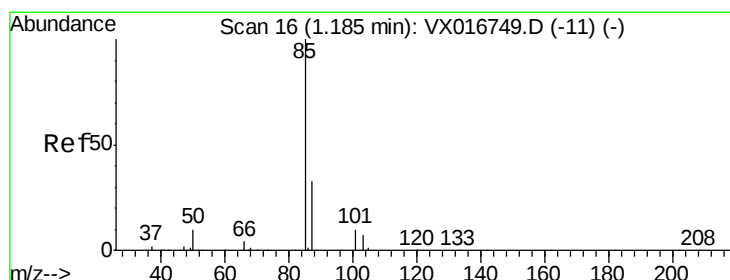
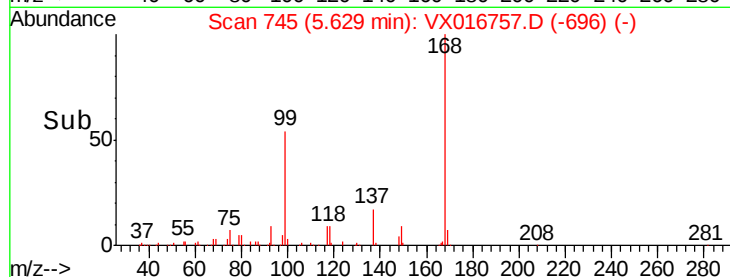
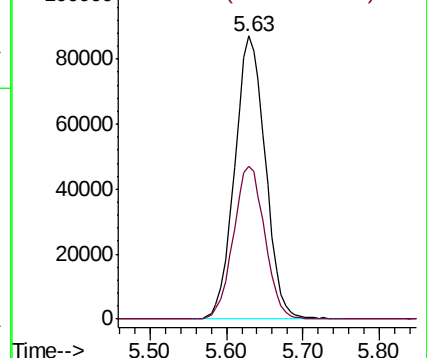
168 100

99 54.2 43.8 65.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 0.207 ug/l

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX016757.D

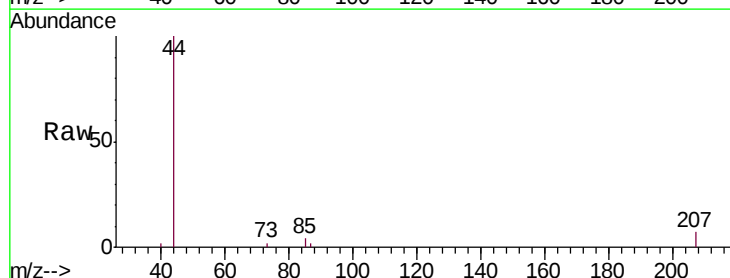
Acq: 15 Jun 2020 16:32

Tgt Ion: 85 Resp: 169

Ion Ratio Lower Upper

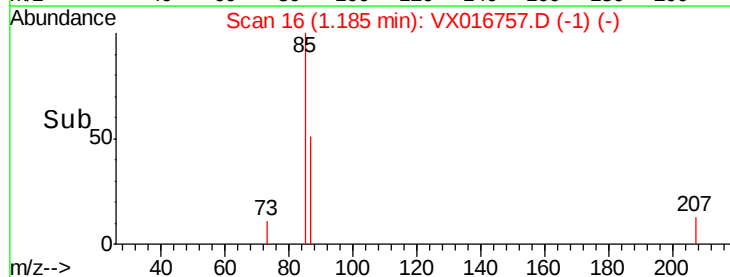
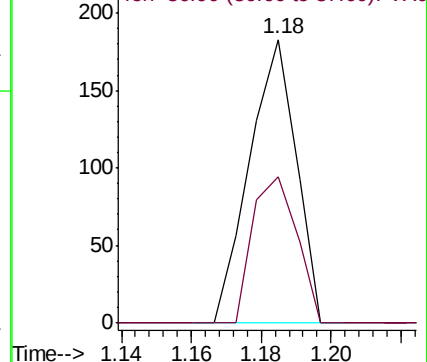
85 100

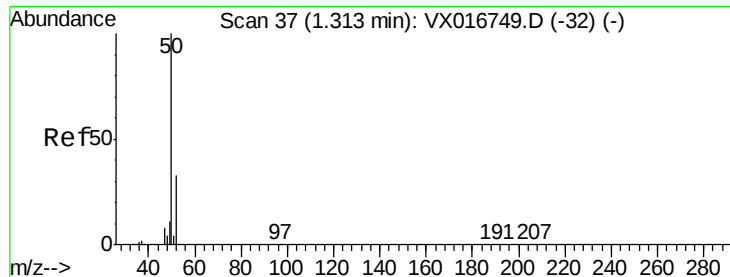
87 51.4 16.4 49.2#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 0.494 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX016757.D

Acq: 15 Jun 2020 16:32

Instrument :

MSVOA_X

ClientSampleId :

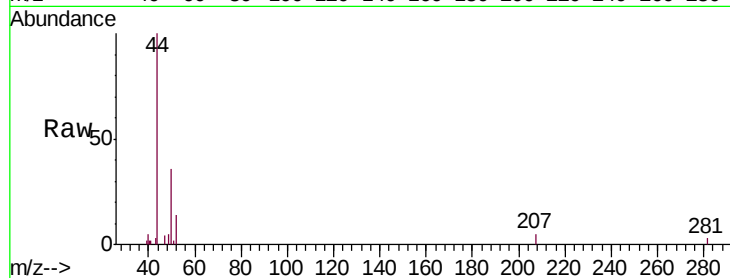
STORAGE-BLANK-WATER-REF-5

Tgt Ion: 50 Resp: 1302

Ion Ratio Lower Upper

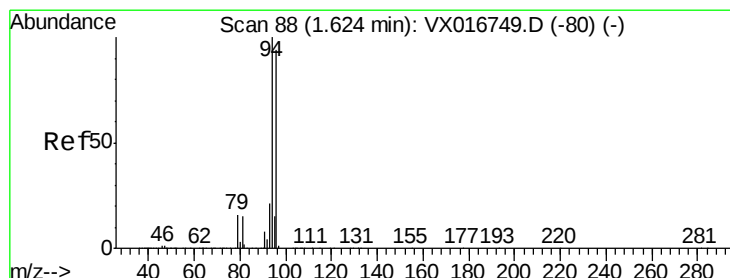
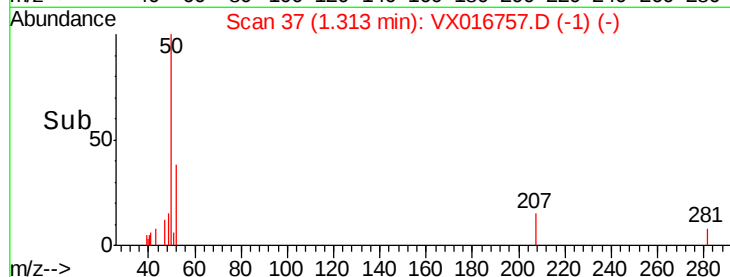
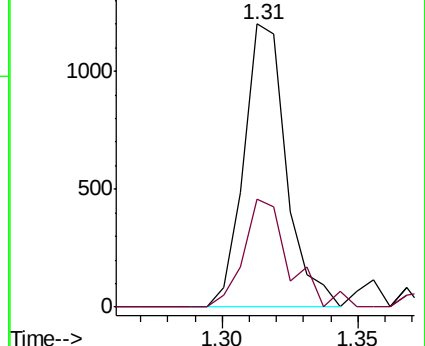
50 100

52 38.3 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#5

Bromomethane

Concen: 0.365 ug/l

RT: 1.65 min Scan# 92

Delta R.T. 0.02 min

Lab File: VX016757.D

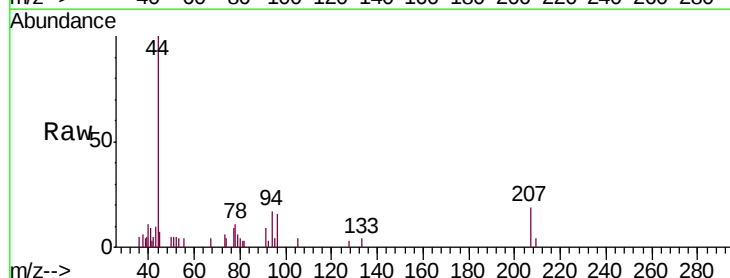
Acq: 15 Jun 2020 16:32

Tgt Ion: 94 Resp: 637

Ion Ratio Lower Upper

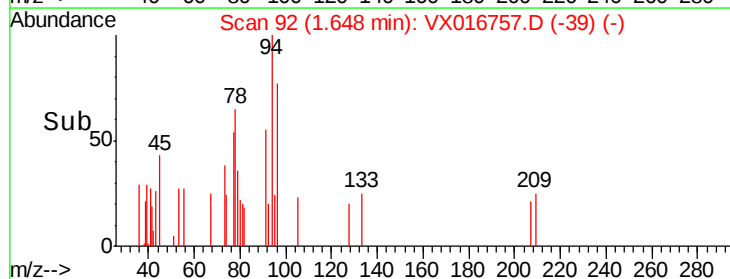
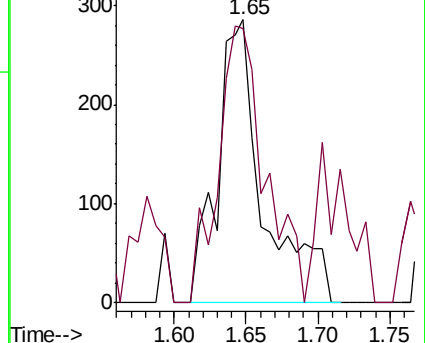
94 100

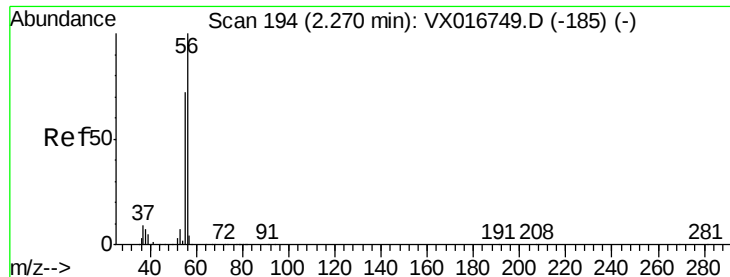
96 96.9 75.4 113.0



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#13

Acrolein

Concen: 3.589 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.01 min

Lab File: VX016757.D

Acq: 15 Jun 2020 16:32

Instrument :

MSVOA_X

ClientSampleId :

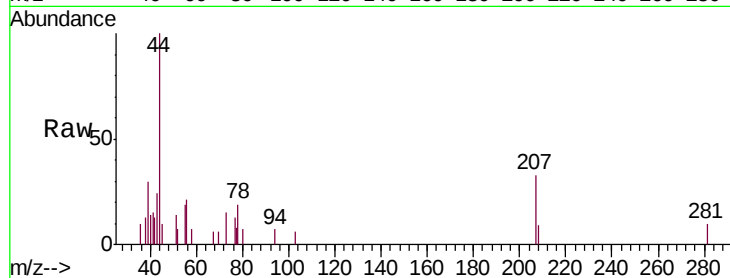
STORAGE-BLANK-WATER-REF-5

Tgt Ion: 56 Resp: 376

Ion Ratio Lower Upper

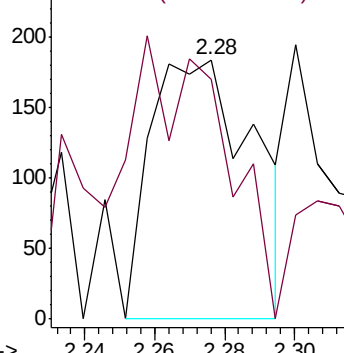
56 100

55 126.1 58.2 87.4#

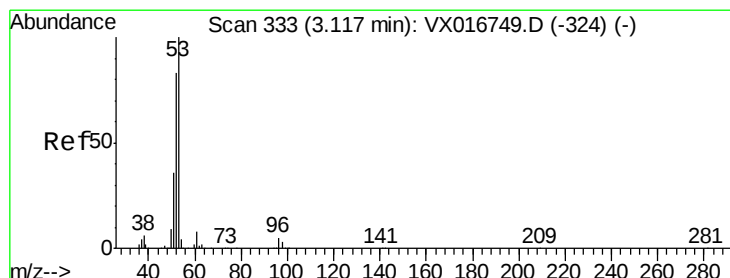
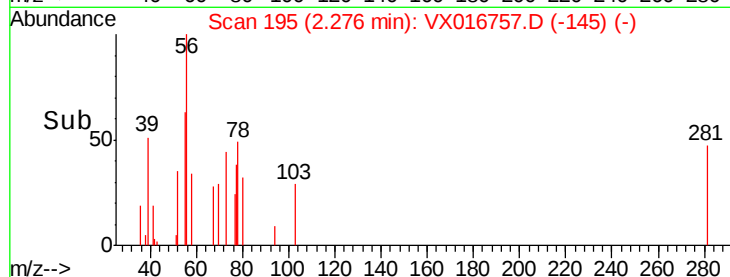


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



Time-->



#15

Acrylonitrile

Concen: 0.364 ug/l

RT: 3.12 min Scan# 333

Delta R.T. 0.00 min

Lab File: VX016757.D

Acq: 15 Jun 2020 16:32

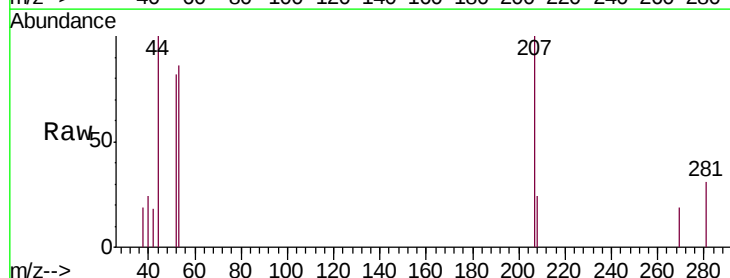
Tgt Ion: 53 Resp: 504

Ion Ratio Lower Upper

53 100

52 75.2 65.5 98.3

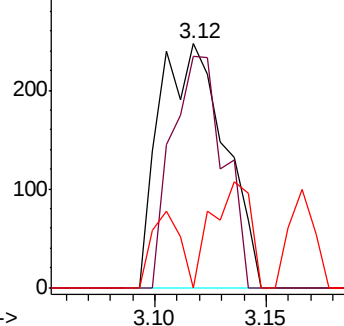
51 13.5 28.6 42.8#



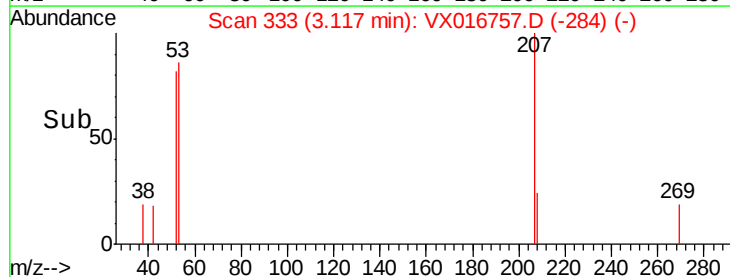
Abundance Ion 53.00 (52.70 to 53.70): VX0

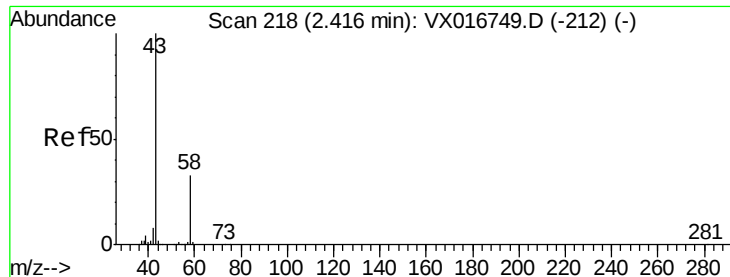
Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



Time-->





#16

Acetone

Concen: 3.738 ug/l

RT: 2.42 min Scan# 218

Delta R.T. 0.00 min

Lab File: VX016757.D

Acq: 15 Jun 2020 16:32

Instrument :

MSVOA_X

ClientSampleId :

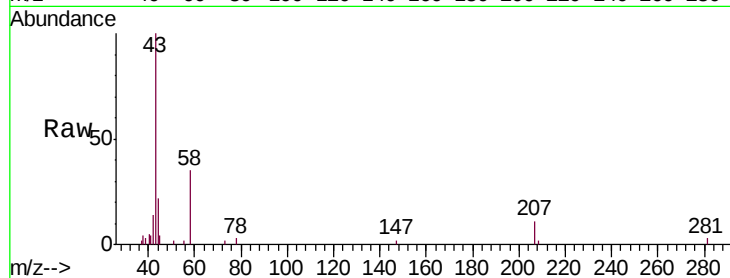
STORAGE-BLANK-WATER-REF-5

Tgt Ion: 43 Resp: 4602

Ion Ratio Lower Upper

43 100

58 35.4 26.3 39.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.42

3000

2500

2000

1500

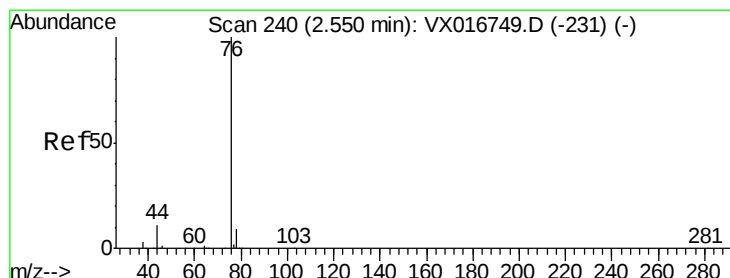
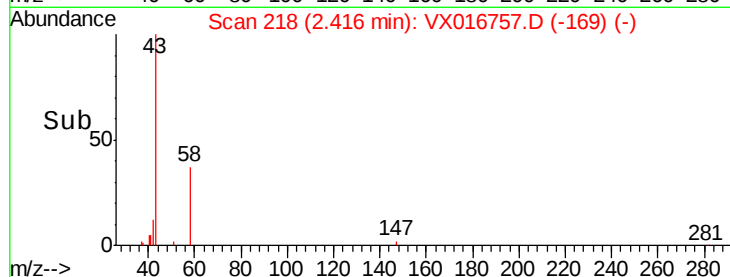
1000

500

0

Time-->

2.35 2.40 2.45 2.50



#17

Carbon Disulfide

Concen: 0.321 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX016757.D

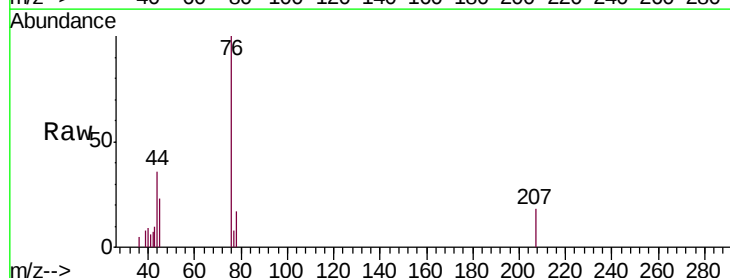
Acq: 15 Jun 2020 16:32

Tgt Ion: 76 Resp: 2170

Ion Ratio Lower Upper

76 100

78 16.7 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.55

1500

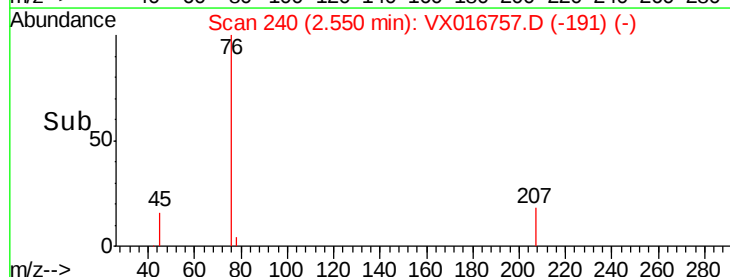
1000

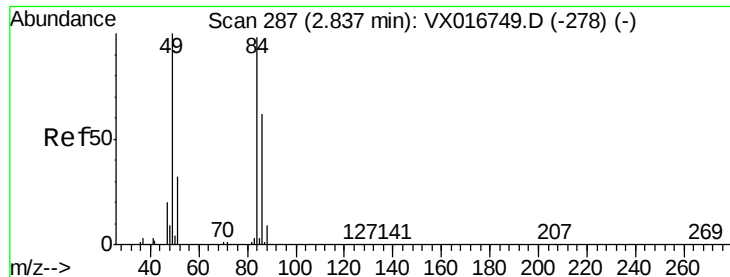
500

0

Time-->

2.50 2.55 2.60

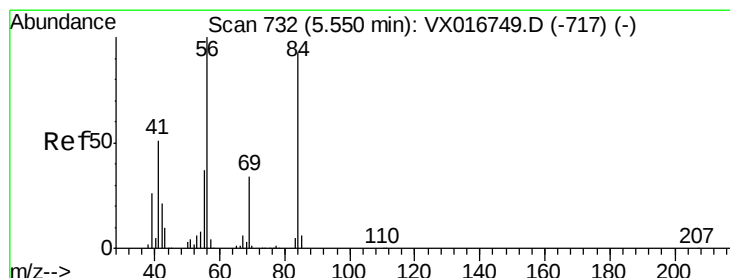
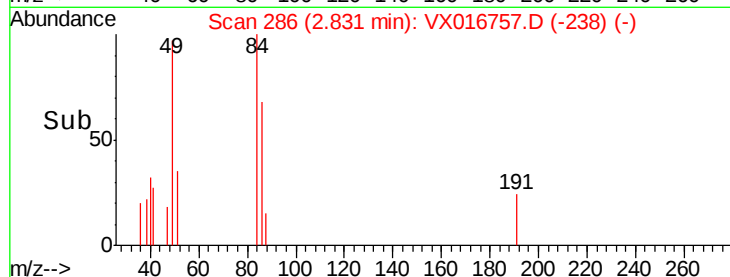
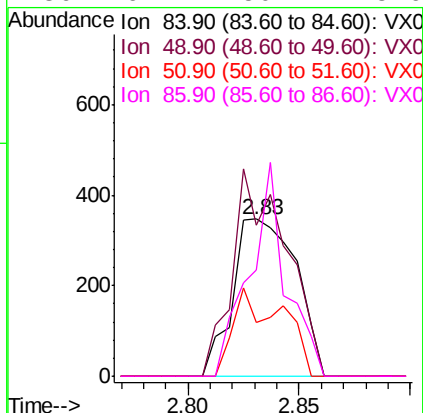
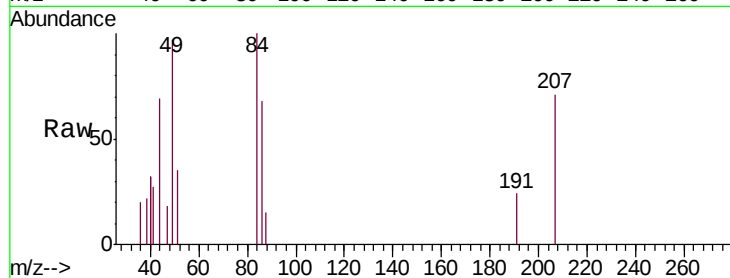




#20
Methylene Chloride
Concen: 0.259 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX016757.D
Acq: 15 Jun 2020 16:32

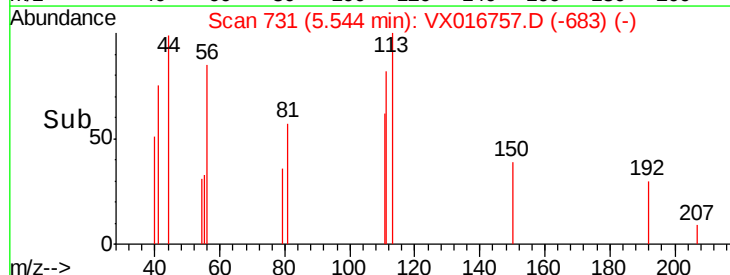
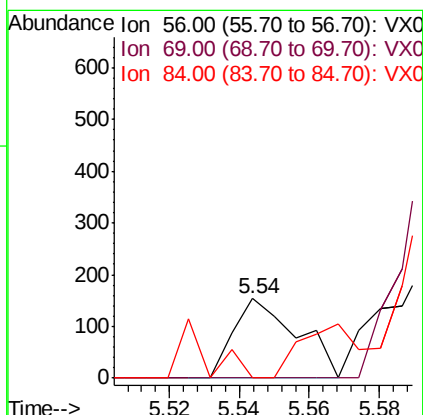
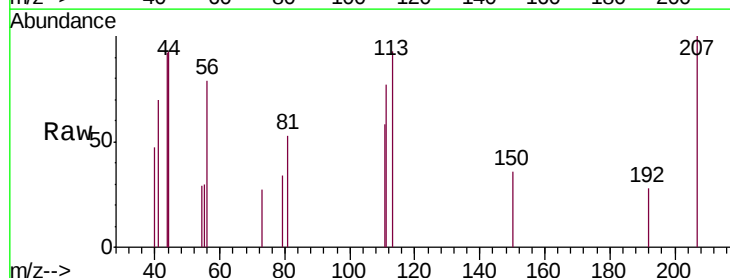
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

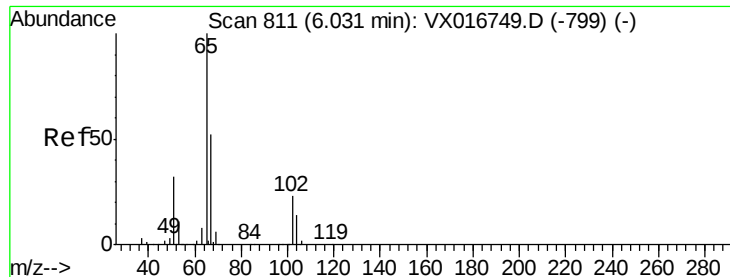
Tgt Ion:	84	Resp:	688
Ion	Ratio	Lower	Upper
84	100		
49	96.5	81.8	122.8
51	34.6	25.8	38.8
86	67.7	50.4	75.6



#31
Cyclohexane
Concen: 0.750 ug/l
RT: 5.54 min Scan# 731
Delta R.T. -0.01 min
Lab File: VX016757.D
Acq: 15 Jun 2020 16:32

Tgt Ion:	56	Resp:	195
Ion	Ratio	Lower	Upper
56	100		
69	0.0	27.1	40.7#
84	0.0	74.0	111.0#

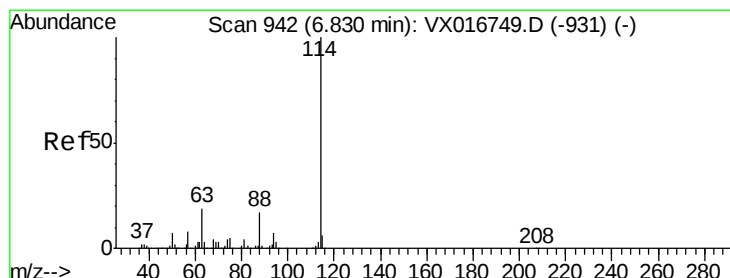
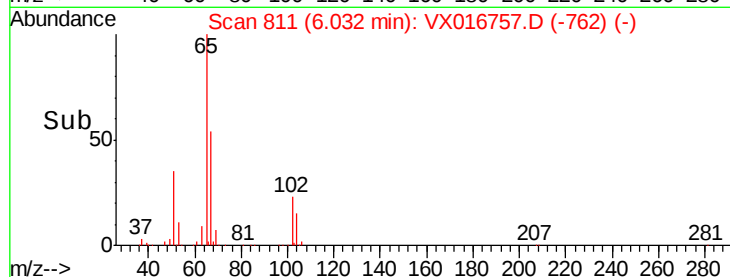
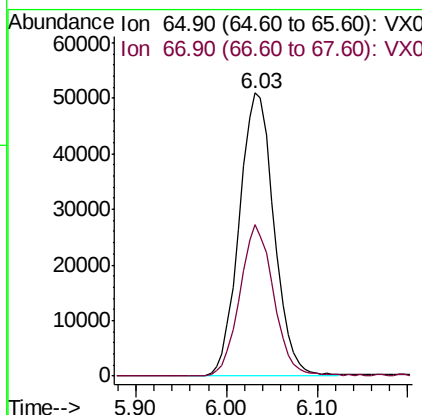
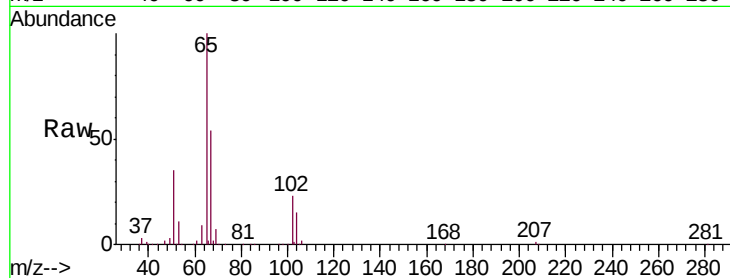




#33
 1,2-Dichloroethane-d4
 Concen: 49.973 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. 0.00 min
 Lab File: VX016757.D
 Acq: 15 Jun 2020 16:32

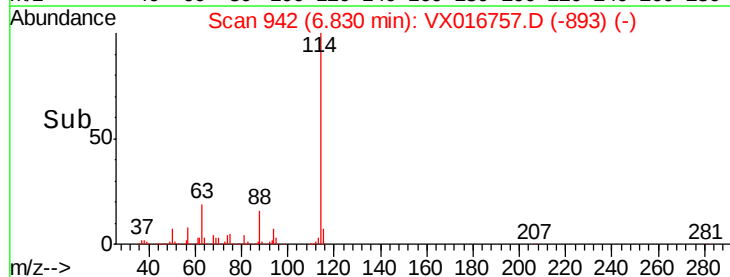
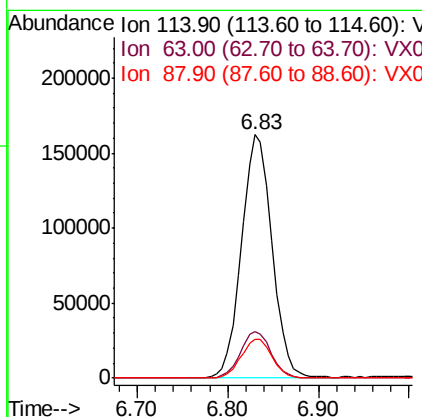
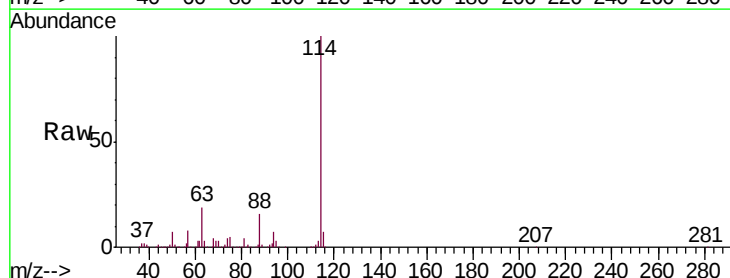
Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-5

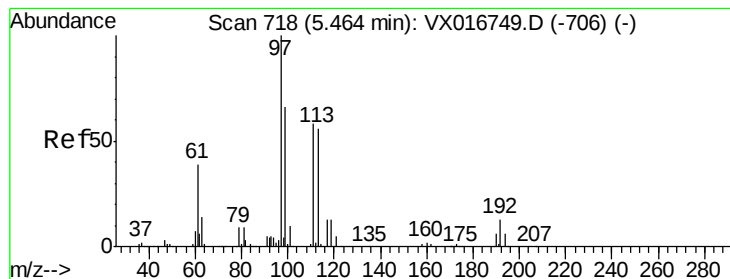
Tgt Ion: 65 Resp: 135622
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. 0.00 min
 Lab File: VX016757.D
 Acq: 15 Jun 2020 16:32

Tgt Ion: 114 Resp: 379015
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 38.8
 88 15.8 0.0 33.4





#35

Dibromofluoromethane

Concen: 48.527 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX016757.D

Acq: 15 Jun 2020 16:32

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

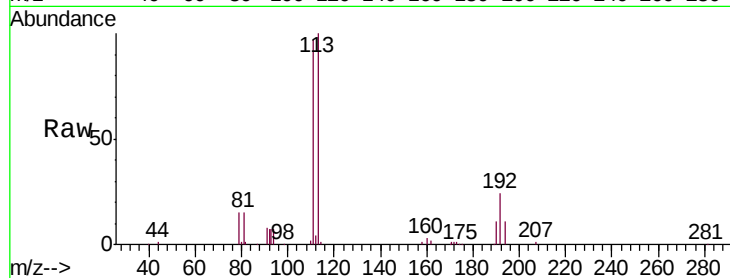
Tgt Ion:113 Resp: 113478

Ion Ratio Lower Upper

113 100

111 101.8 81.8 122.6

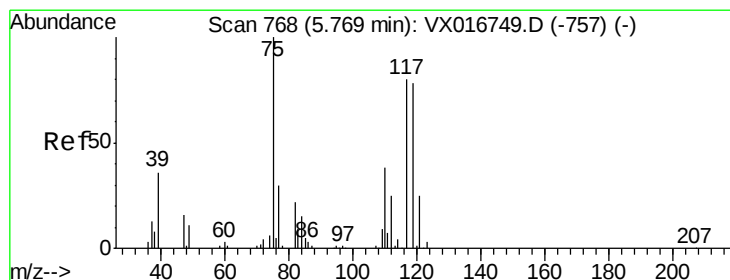
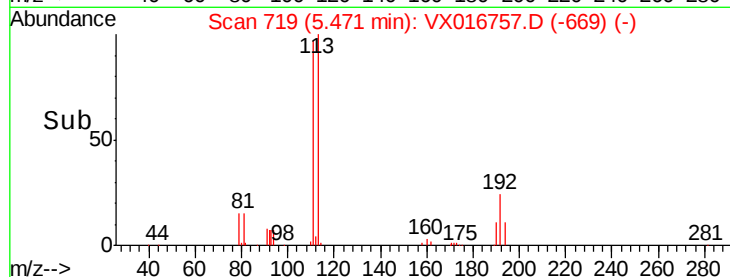
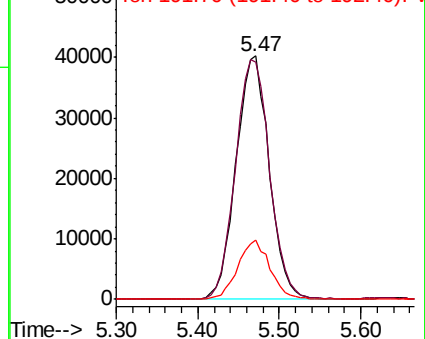
192 23.6 18.2 27.4



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: 4.955 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.13 min

Lab File: VX016757.D

Acq: 15 Jun 2020 16:32

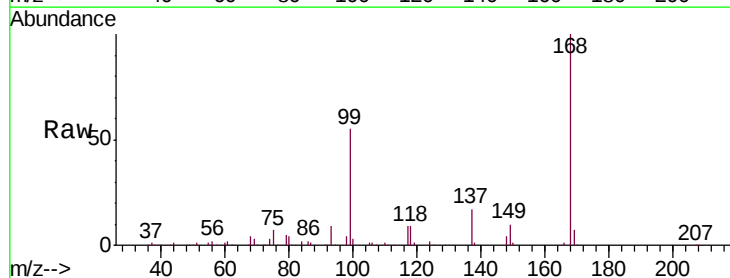
Tgt Ion: 75 Resp: 16596

Ion Ratio Lower Upper

75 100

110 9.8 18.4 55.2#

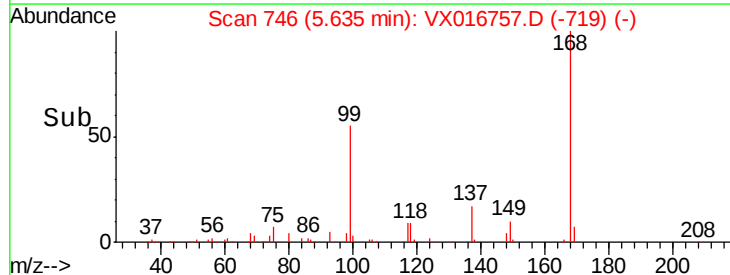
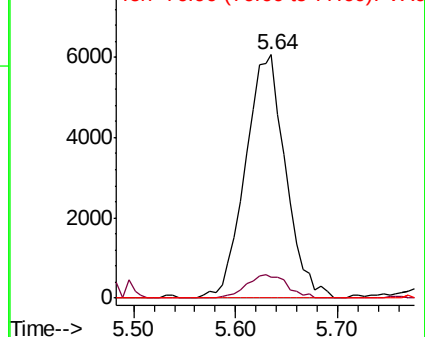
77 0.0 24.7 37.1#

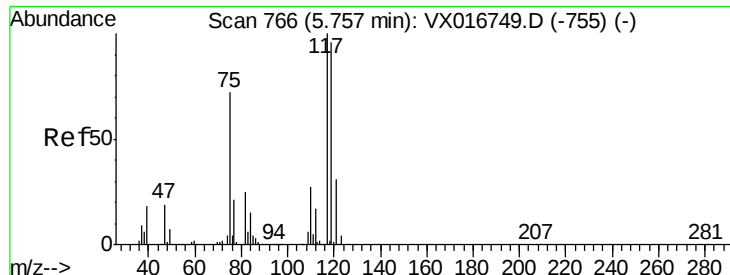


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.883 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.13 min

Lab File: VX016757.D

Acq: 15 Jun 2020 16:32

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

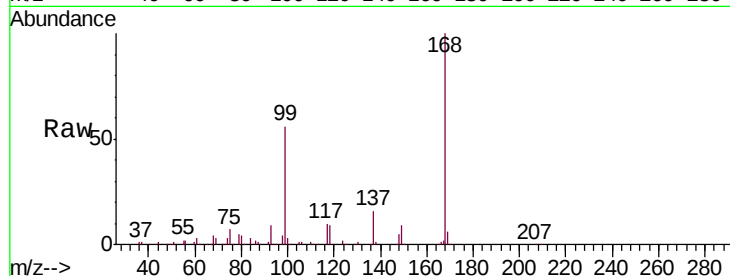
Tgt Ion:117 Resp: 22379

Ion Ratio Lower Upper

117 100

119 4.8 76.7 115.1#

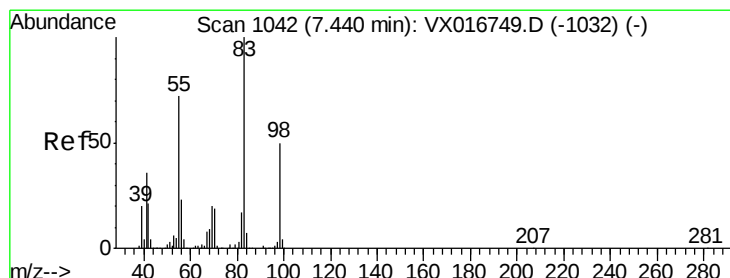
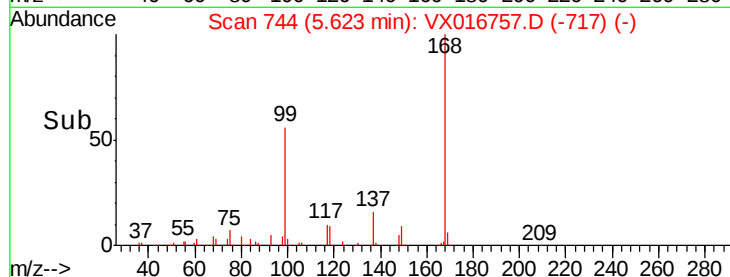
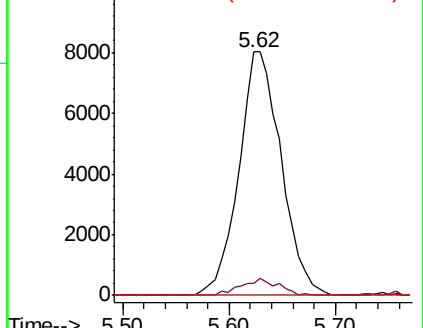
121 0.0 24.7 37.1#



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



#39

Methylcyclohexane

Concen: 1.045 ug/l

RT: 7.45 min Scan# 1044

Delta R.T. 0.01 min

Lab File: VX016757.D

Acq: 15 Jun 2020 16:32

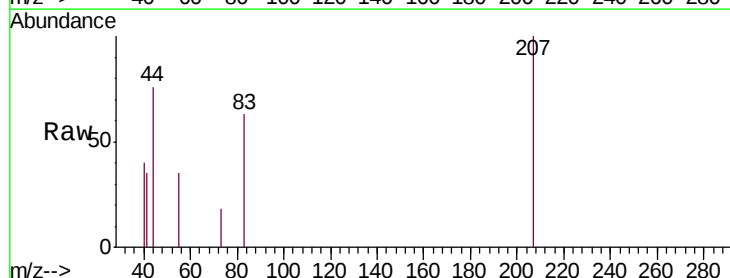
Tgt Ion: 83 Resp: 365

Ion Ratio Lower Upper

83 100

55 55.1 57.3 85.9#

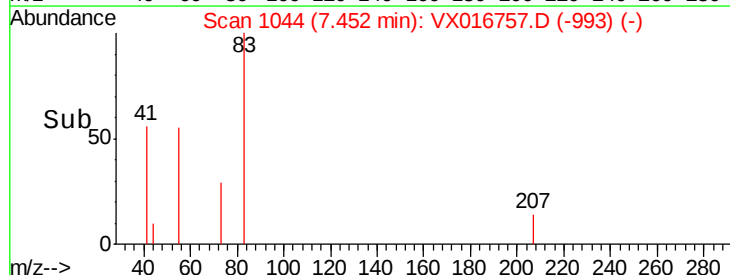
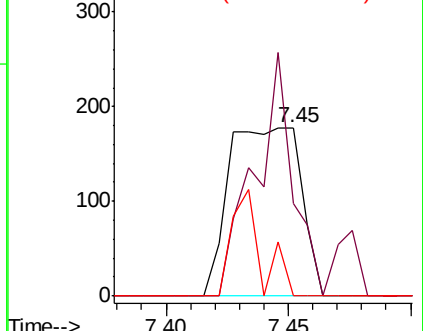
98 0.0 40.3 60.5#

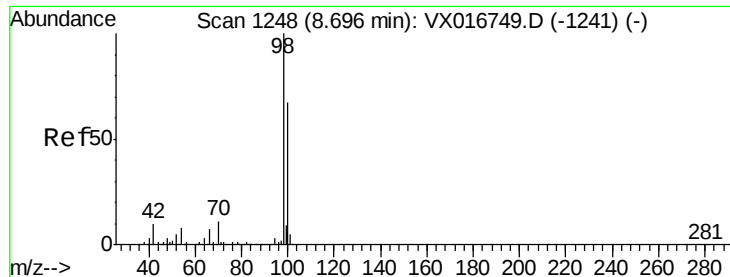


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

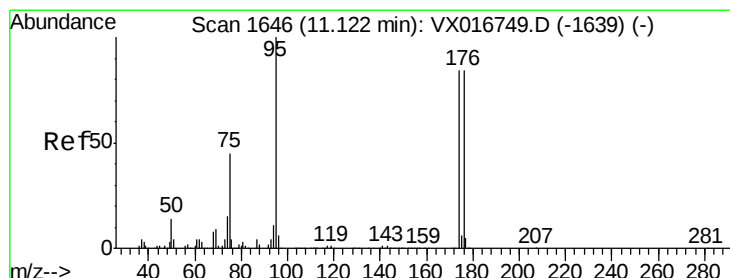
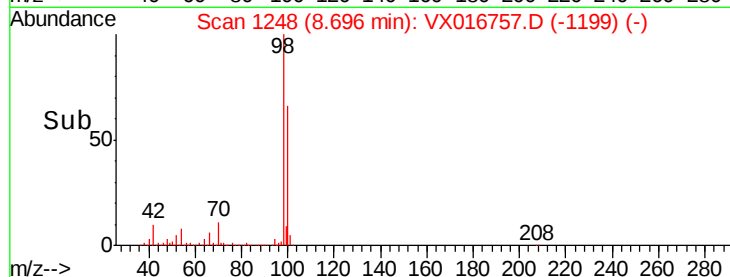
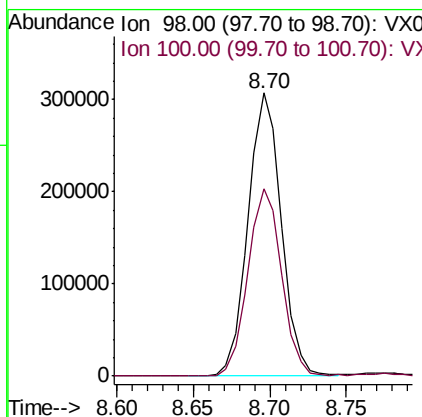
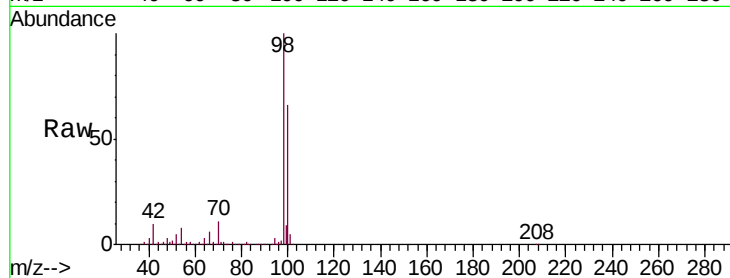




#50
Toluene-d8
Concen: 53.997 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX016757.D
Acq: 15 Jun 2020 16:32

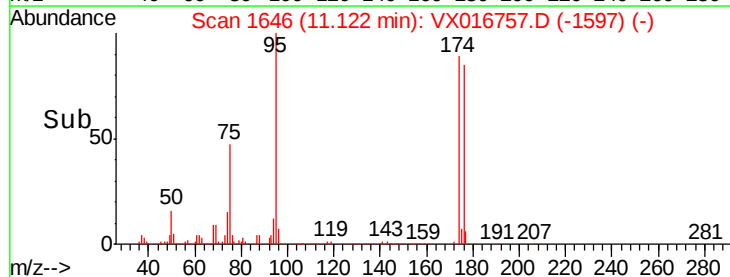
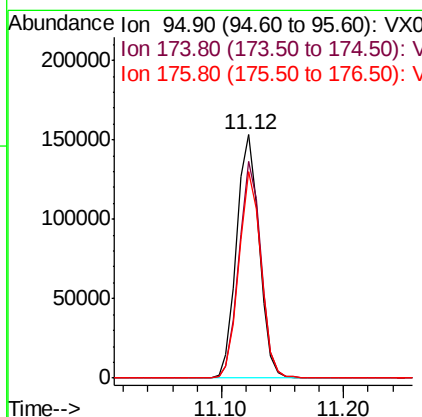
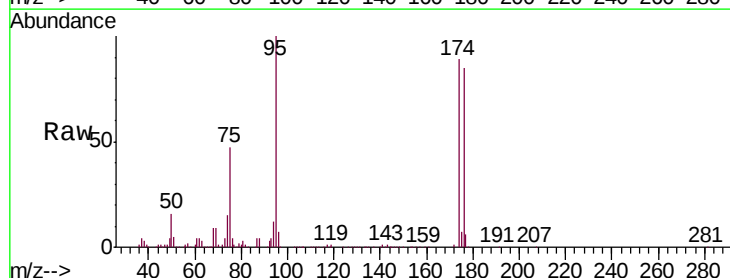
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

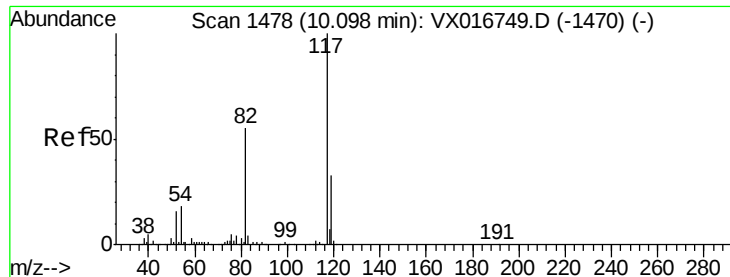
Tgt Ion: 98 Resp: 465594
Ion Ratio Lower Upper
98 100
100 67.0 53.9 80.9



#62
4-Bromofluorobenzene
Concen: 58.786 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VX016757.D
Acq: 15 Jun 2020 16:32

Tgt Ion: 95 Resp: 193882
Ion Ratio Lower Upper
95 100
174 87.4 0.0 171.0
176 83.7 0.0 166.2

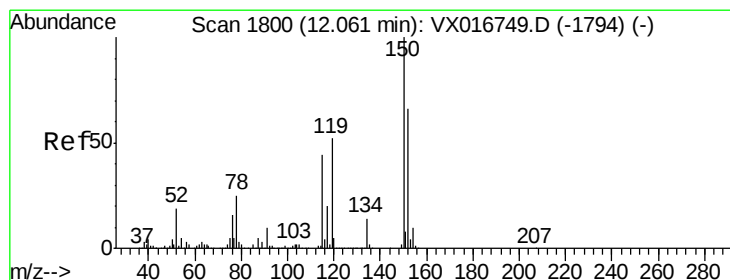
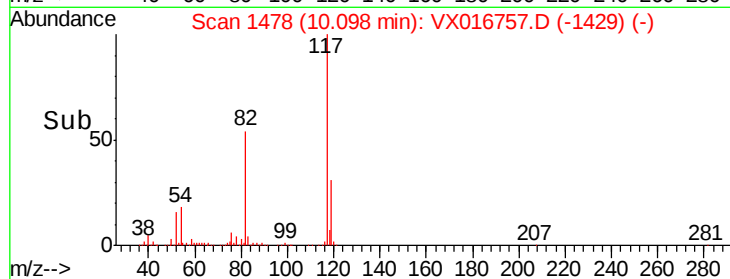
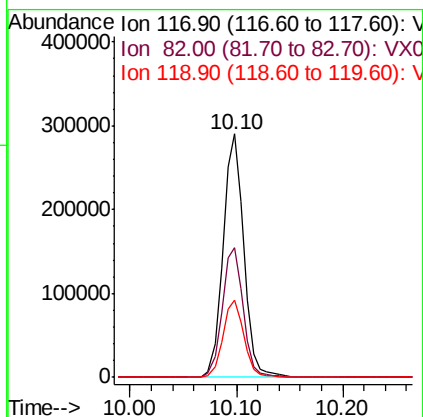
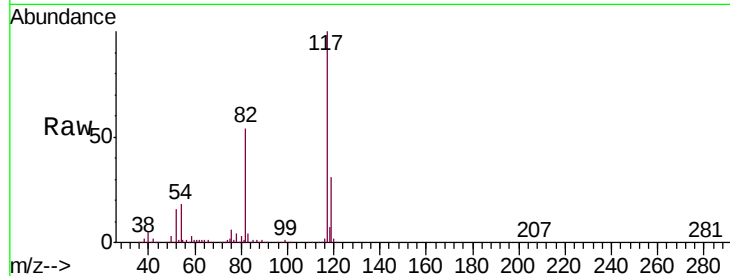




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX016757.D
Acq: 15 Jun 2020 16:32

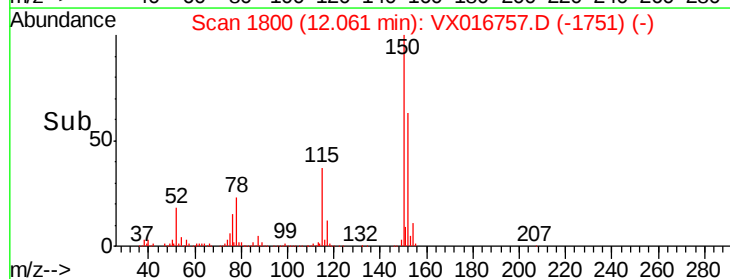
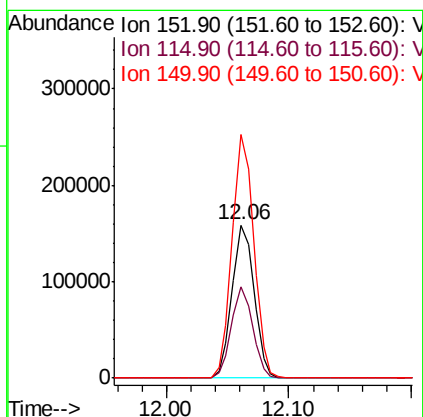
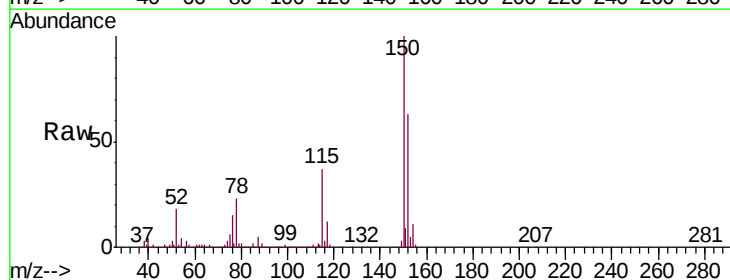
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

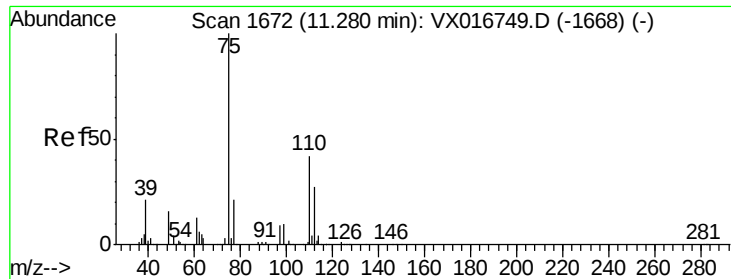
Tgt Ion:117 Resp: 395219
Ion Ratio Lower Upper
117 100
82 53.5 43.8 65.6
119 31.5 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VX016757.D
Acq: 15 Jun 2020 16:32

Tgt Ion:152 Resp: 197226
Ion Ratio Lower Upper
152 100
115 57.8 40.3 120.8
150 157.1 0.0 337.4





#76

1,2,3-Trichloropropane

Concen: 22.167 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016757.D

Acq: 15 Jun 2020 16:32

Instrument :

MSVOA_X

ClientSampleId :

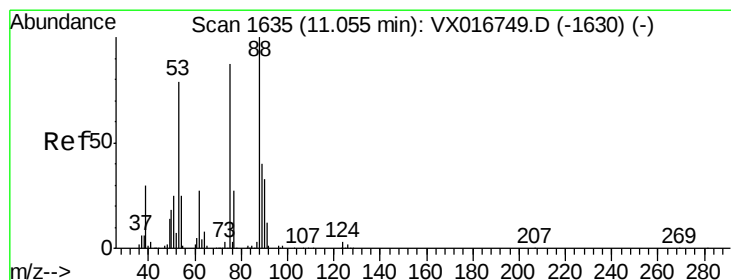
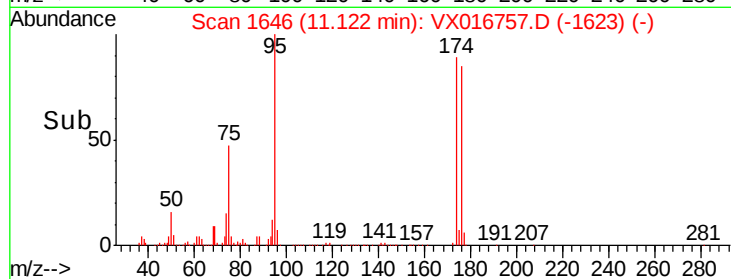
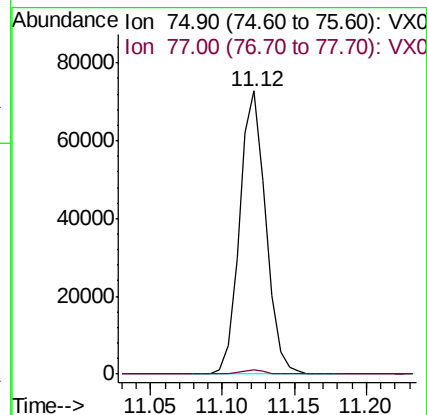
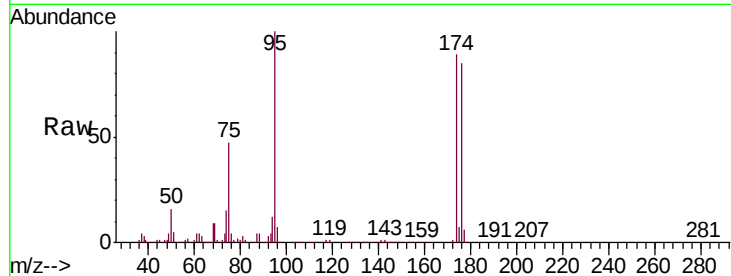
STORAGE-BLANK-WATER-REF-5

Tgt Ion: 75 Resp: 91938

Ion Ratio Lower Upper

75 100

77 1.3 20.3 60.9#



#81

trans-1,4-Dichloro-2-butene

Concen: 55.804 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX016757.D

Acq: 15 Jun 2020 16:32

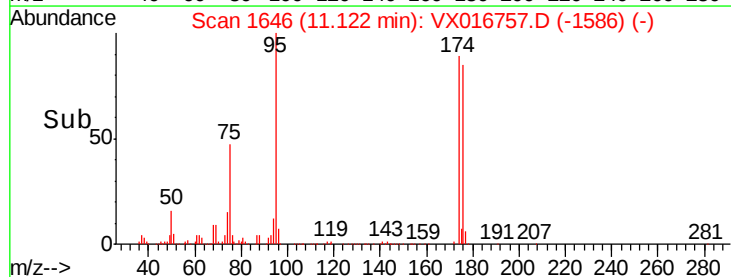
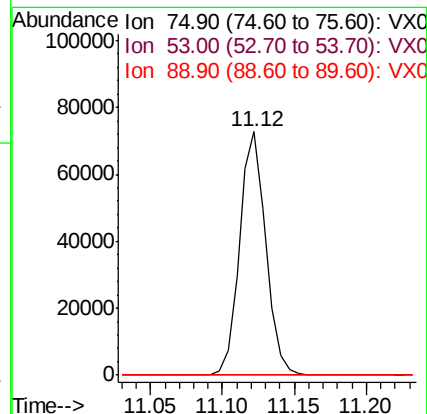
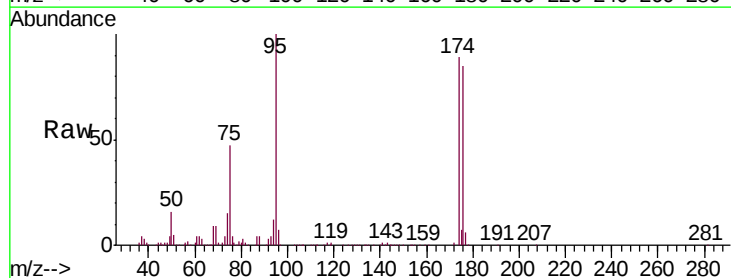
Tgt Ion: 75 Resp: 91938

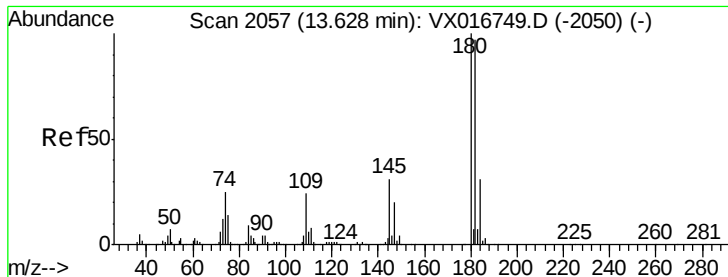
Ion Ratio Lower Upper

75 100

53 0.0 71.4 107.0#

89 0.0 39.1 58.7#

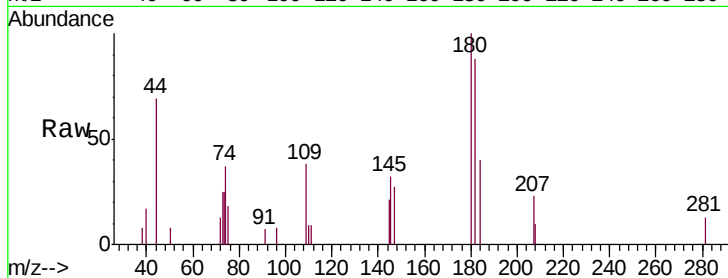




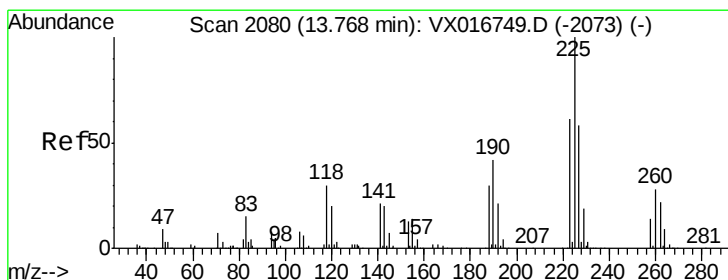
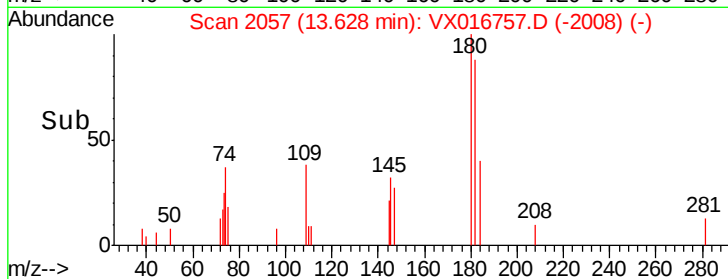
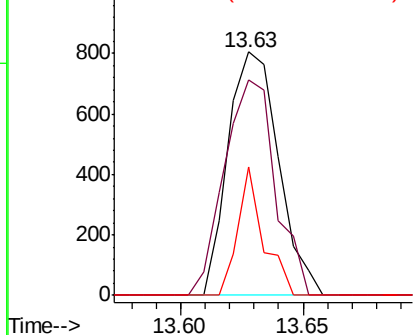
#93
 1,2,4-Trichlorobenzene
 Concen: 0.267 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: VX016757.D
 Acq: 15 Jun 2020 16:32

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-5

Tgt Ion:180 Resp: 1157
 Ion Ratio Lower Upper
 180 100
 182 89.1 48.6 145.8
 145 26.4 15.4 46.4

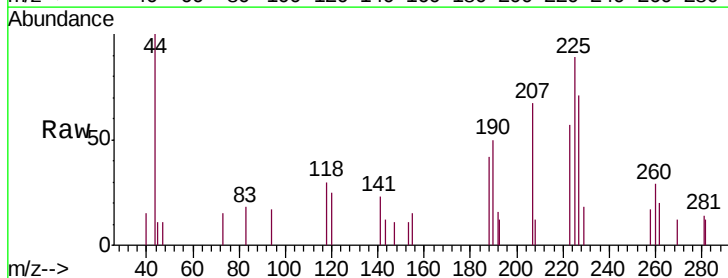


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

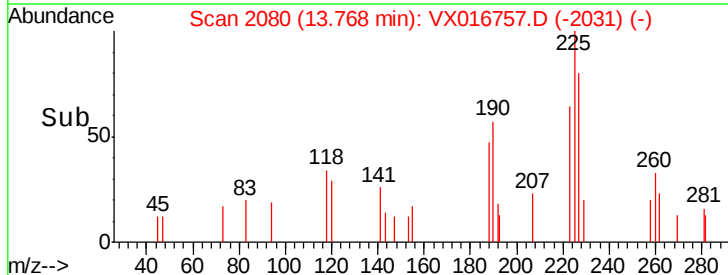
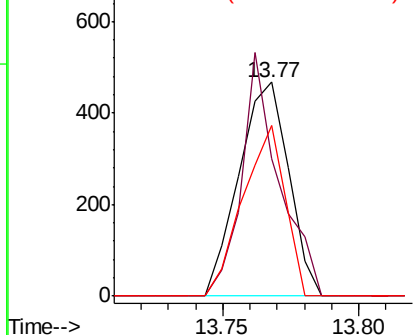


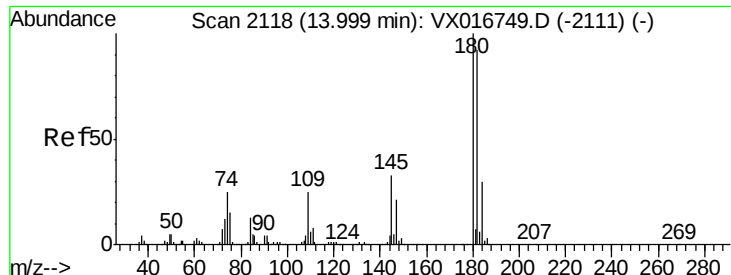
#94
 Hexachlorobutadiene
 Concen: 0.722 ug/l
 RT: 13.77 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VX016757.D
 Acq: 15 Jun 2020 16:32

Tgt Ion:225 Resp: 593
 Ion Ratio Lower Upper
 225 100
 223 85.3 31.1 93.5
 227 67.3 30.9 92.7



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#96
 1,2,3-Trichlorobenzene
 Concen: 0.222 ug/l
 RT: 14.01 min Scan# 2119
 Delta R.T. 0.01 min
 Lab File: VX016757.D
 Acq: 15 Jun 2020 16:32

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-5

Tgt Ion:	180	Resp:	944
Ion	Ratio	Lower	Upper
180	100		
182	88.2	47.1	141.4
145	33.4	15.9	47.7

