

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061620\
 Data File : VX016773.D
 Acq On : 16 Jun 2020 12:51
 Operator : JC/SP
 Sample : L3000-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Jun 17 03:55:28 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	246303	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	389233	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	392070	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	200344	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	140166	50.60	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.20%	
35) Dibromofluoromethane	5.46	113	116359	48.45	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.90%	
50) Toluene-d8	8.70	98	473907	53.52	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	107.04%	
62) 4-Bromofluorobenzene	11.12	95	191575	56.56	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	113.12%	

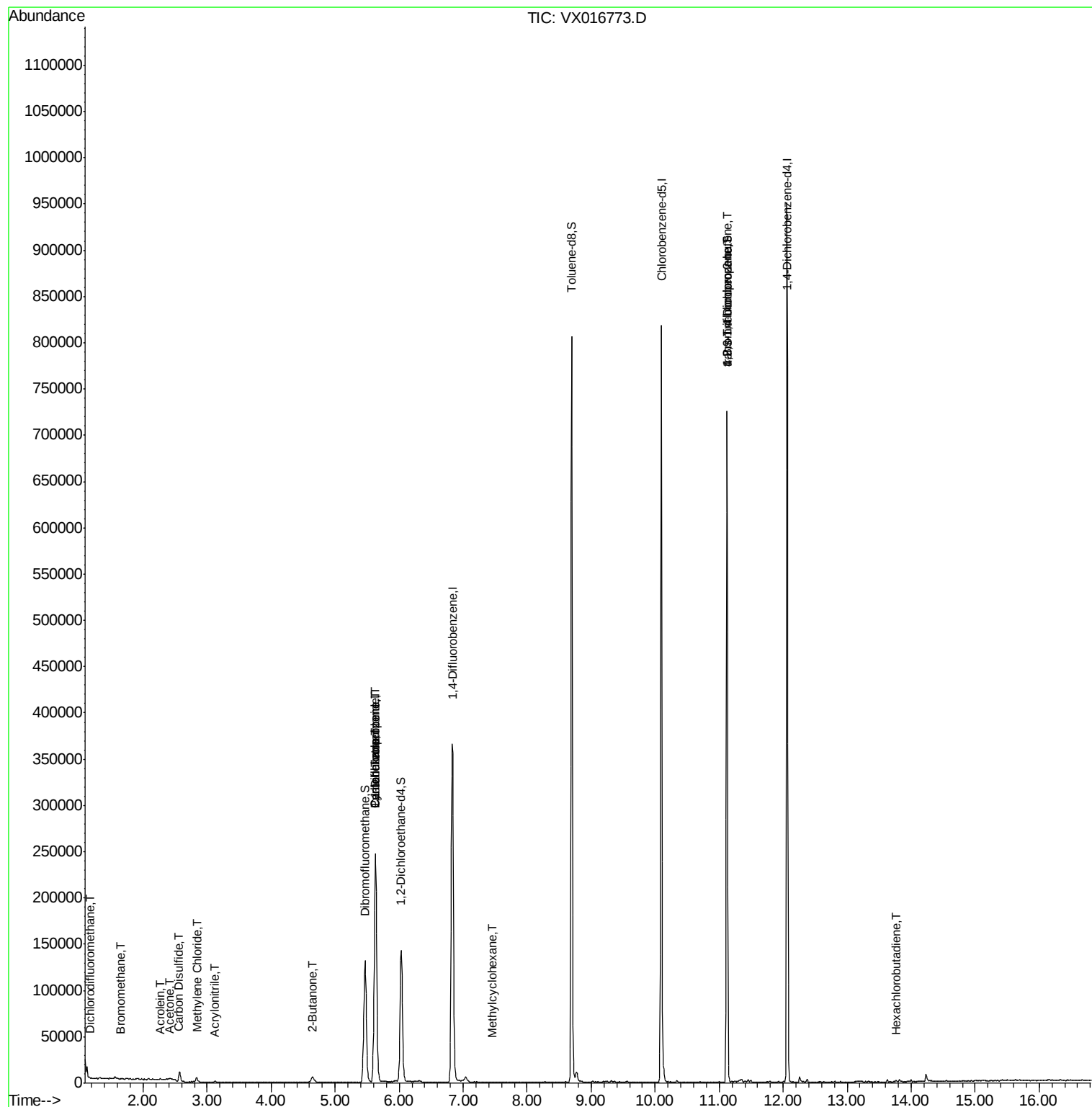
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	199	0.217	ug/l	85
5) Bromomethane	1.64	94	424	0.238	ug/l	86
13) Acrolein	2.26	56	378	3.570	ug/l	93
15) Acrylonitrile	3.11	53	458	0.324	ug/l #	73
16) Acetone	2.42	43	2202	1.752	ug/l	90
17) Carbon Disulfide	2.55	76	1393	0.202	ug/l #	81
20) Methylene Chloride	2.84	84	2512	0.928	ug/l	91
25) 2-Butanone	4.65	43	697	0.368	ug/l #	44
31) Cyclohexane	5.63	56	4038	1.813	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	16836	4.895	ug/l #	49
38) Carbon Tetrachloride	5.64	117	23214	5.942	ug/l #	16
39) Methylcyclohexane	7.45	83	21	0.958	ug/l #	19
76) 1,2,3-Trichloropropane	11.12	75	92092	21.858	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	92092	55.028	ug/l #	13
94) Hexachlorobutadiene	13.77	225	362	0.599	ug/l	82

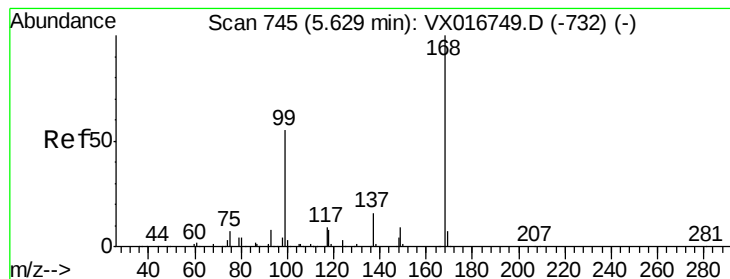
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 17 03:55:28 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X061520W.M
Quant Title : SW846 8260
QLast Update : Tue Jun 16 02:02:35 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: VX016773.D

Acq: 16 Jun 2020 12:51

Instrument :

MSVOA_X

ClientSampleId :

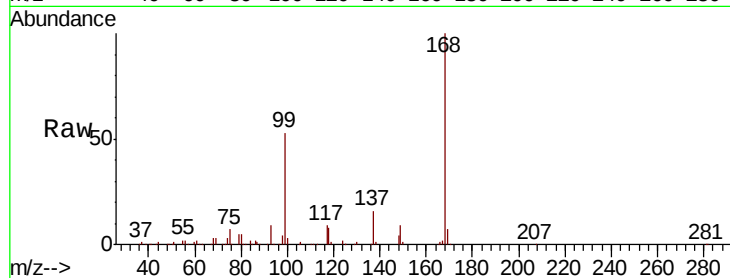
STORAGE-BLANK-WATER-REF-5

Tot Ion:168 Resp: 246303

Ion Ratio Lower Upper

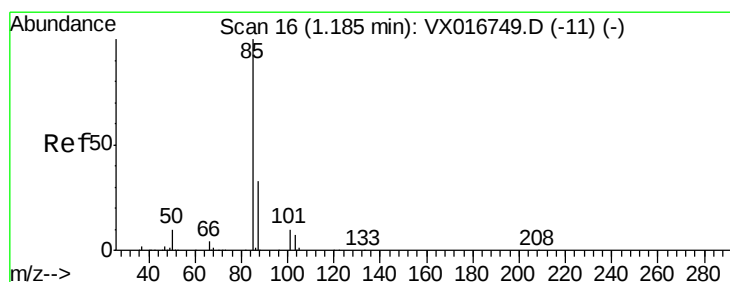
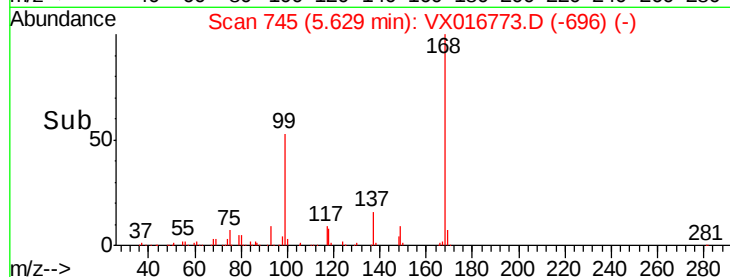
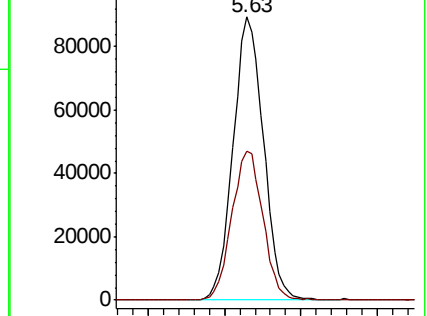
168 100

99 52.8 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: 0.217 ug/l

RT: 1.18 min Scan# 15

Delta R.T. -0.01 min

Lab File: VX016773.D

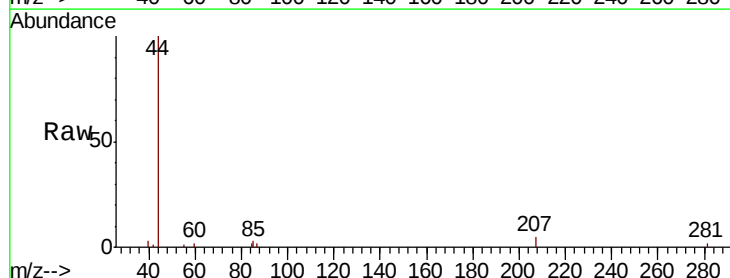
Acq: 16 Jun 2020 12:51

Tgt Ion: 85 Resp: 199

Ion Ratio Lower Upper

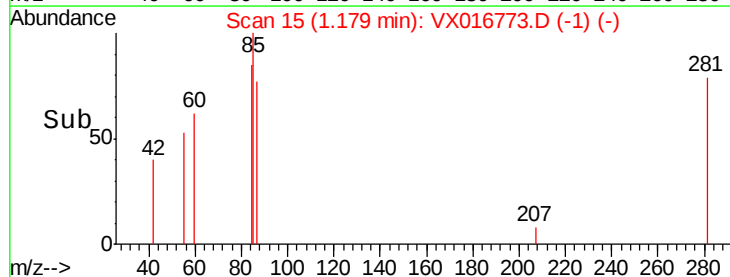
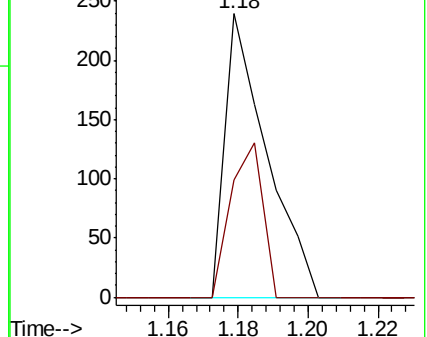
85 100

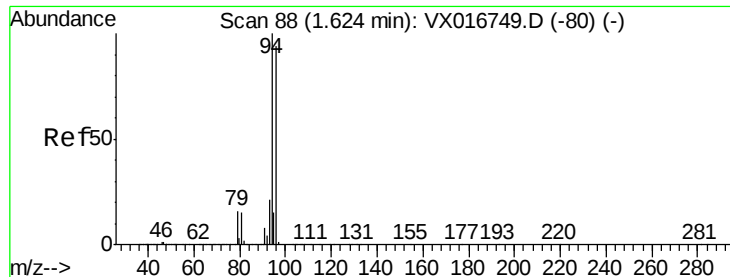
87 41.4 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#5

Bromomethane

Concen: 0.238 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX016773.D

Acq: 16 Jun 2020 12:51

Instrument :

MSVOA_X

ClientSampleId :

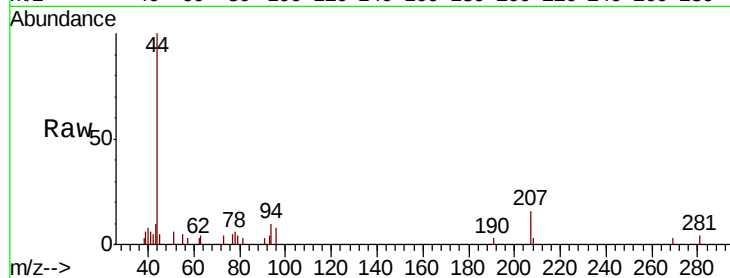
STORAGE-BLANK-WATER-REF-5

Tot Ion: 94 Resp: 424

Ion Ratio Lower Upper

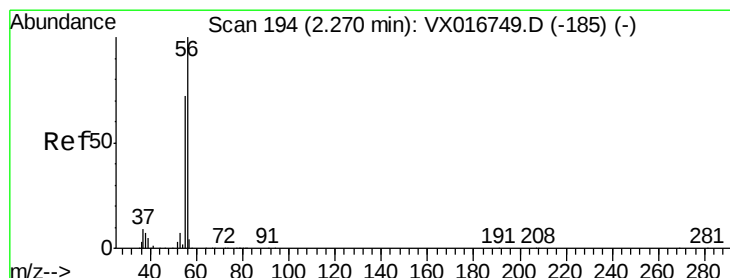
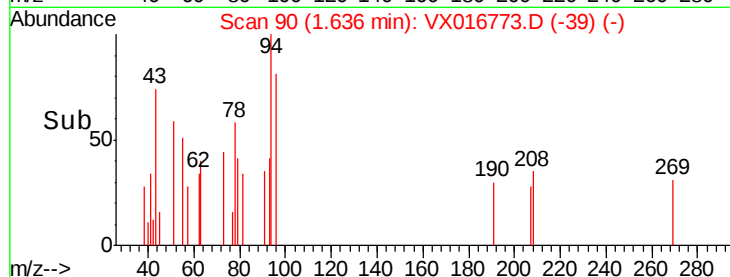
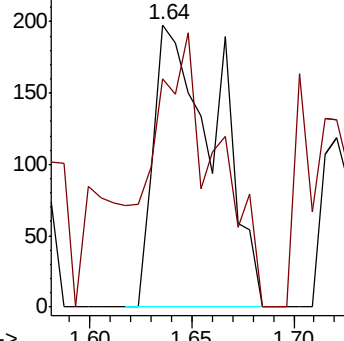
94 100

96 80.8 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: 3.570 ug/l

RT: 2.26 min Scan# 193

Delta R.T. -0.01 min

Lab File: VX016773.D

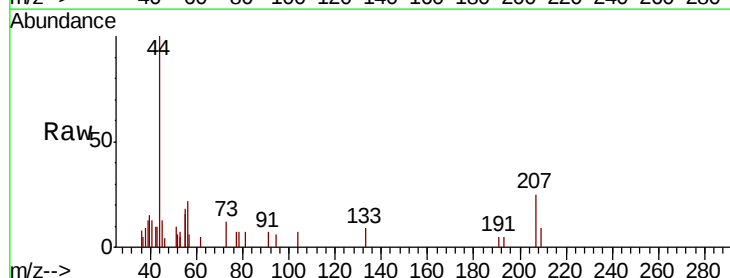
Acq: 16 Jun 2020 12:51

Tgt Ion: 56 Resp: 378

Ion Ratio Lower Upper

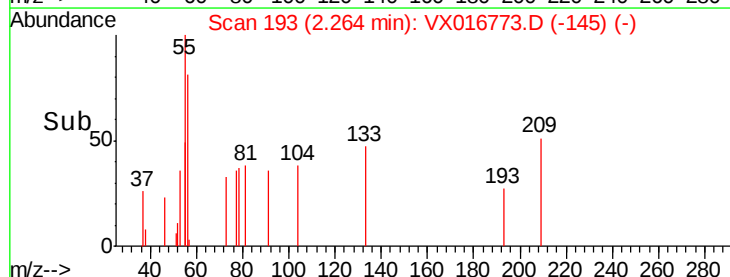
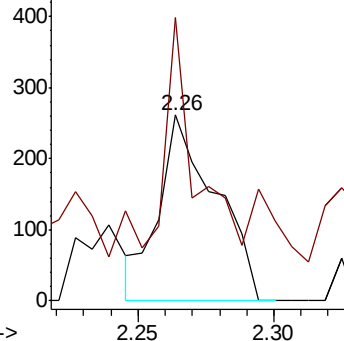
56 100

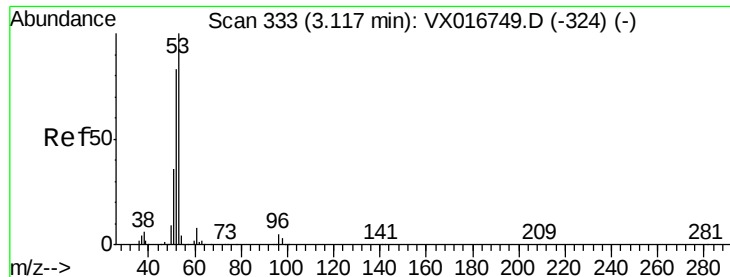
55 78.6 58.2 87.4



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#15

Acrylonitrile

Concen: 0.324 ug/l

RT: 3.11 min Scan# 332

Delta R.T. -0.01 min

Lab File: VX016773.D

Acq: 16 Jun 2020 12:51

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

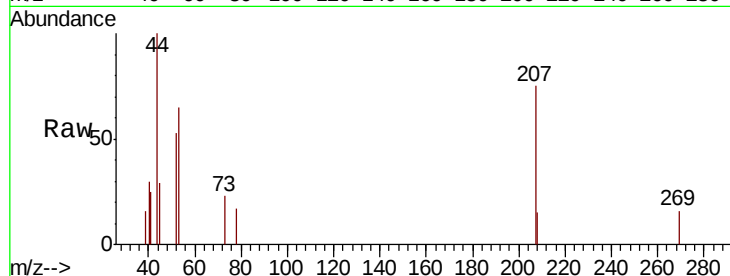
Tot Ion: 53 Resp: 458

Ion Ratio Lower Upper

53 100

52 66.8 65.5 98.3

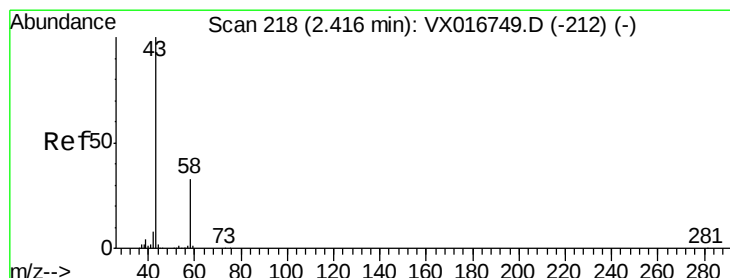
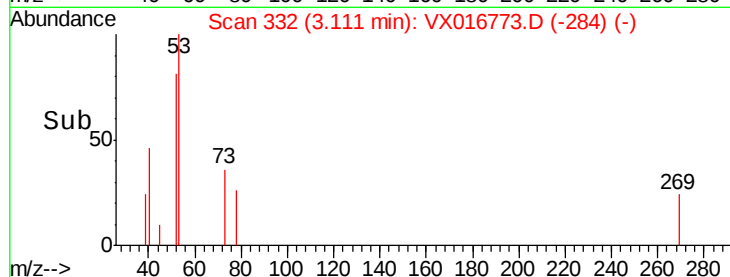
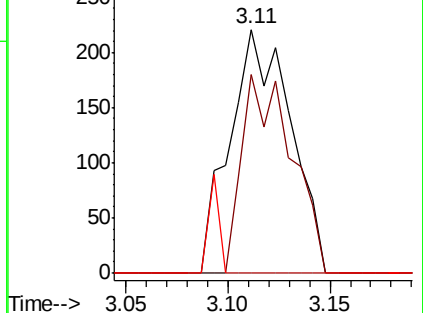
51 7.2 28.6 42.8#



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



#16

Acetone

Concen: 1.752 ug/l

RT: 2.42 min Scan# 218

Delta R.T. 0.00 min

Lab File: VX016773.D

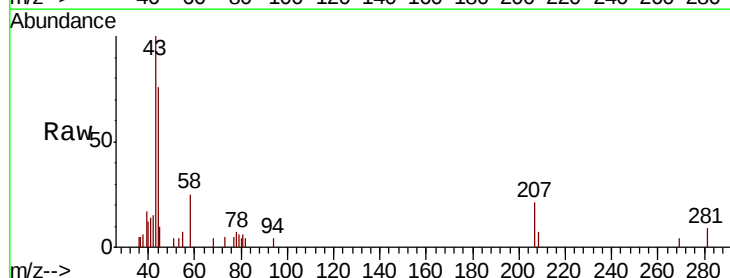
Acq: 16 Jun 2020 12:51

Tgt Ion: 43 Resp: 2202

Ion Ratio Lower Upper

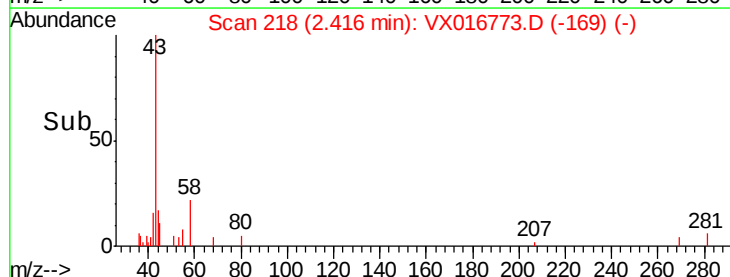
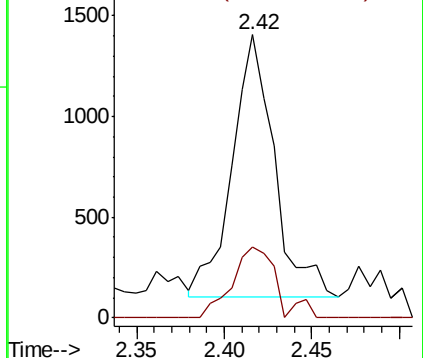
43 100

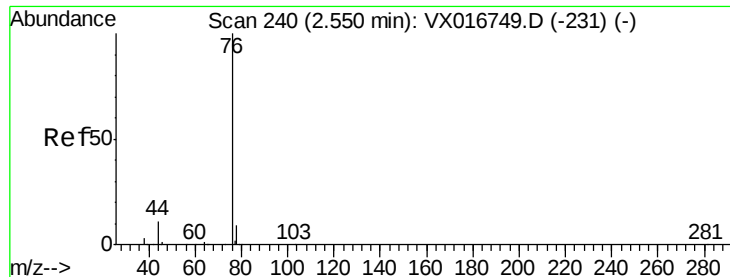
58 27.1 26.3 39.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

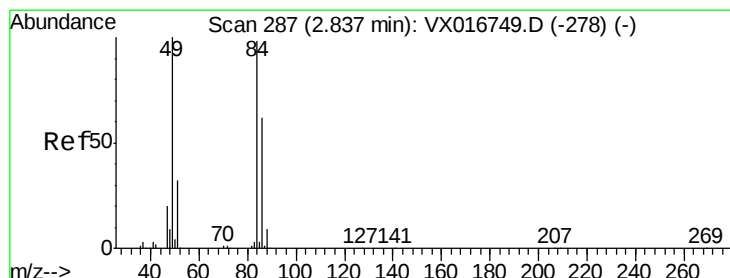
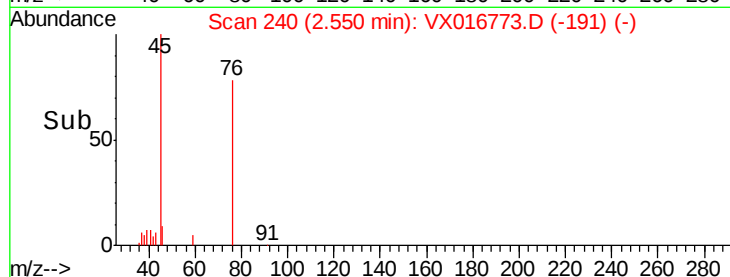
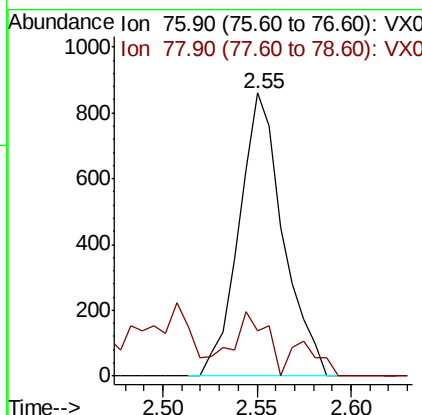
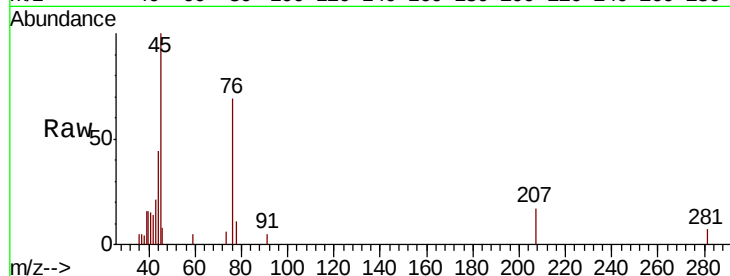




#17
Carbon Disulfide
Concen: 0.202 ug/l
RT: 2.55 min Scan# 240
Delta R.T. 0.00 min
Lab File: VX016773.D
Acq: 16 Jun 2020 12:51

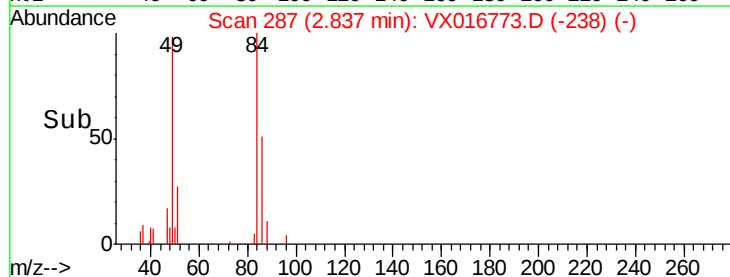
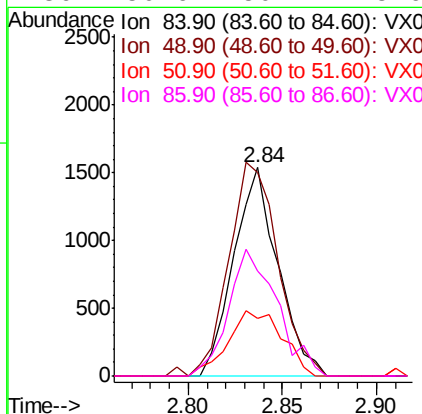
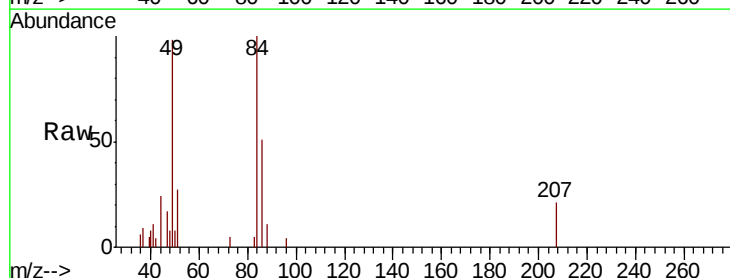
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

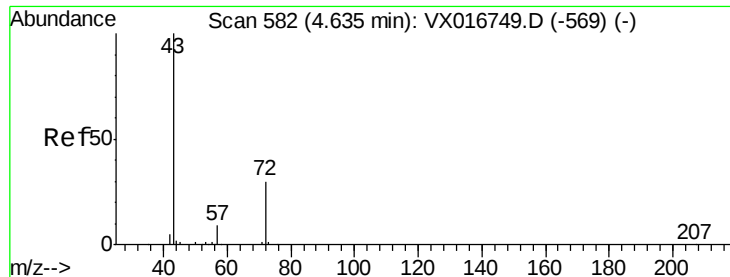
Tot Ion: 76 Resp: 1393
Ion Ratio Lower Upper
76 100
78 16.0 7.3 10.9#



#20
Methylene Chloride
Concen: 0.928 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX016773.D
Acq: 16 Jun 2020 12:51

Tgt Ion: 84 Resp: 2512
Ion Ratio Lower Upper
84 100
49 97.5 81.8 122.8
51 27.5 25.8 38.8
86 50.6 50.4 75.6





#25

2-Butanone

Concen: 0.368 ug/l

RT: 4.65 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX016773.D

Acq: 16 Jun 2020 12:51

Instrument :

MSVOA_X

ClientSampleId :

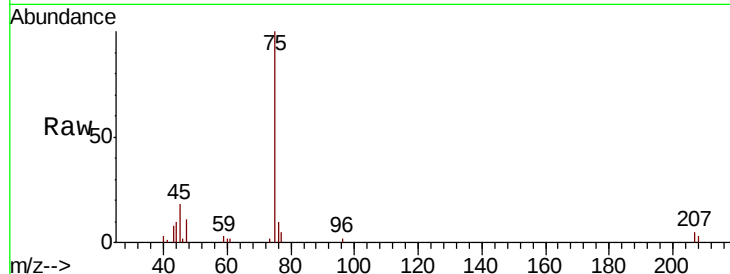
STORAGE-BLANK-WATER-REF-5

Tot Ion: 43 Resp: 697

Ion Ratio Lower Upper

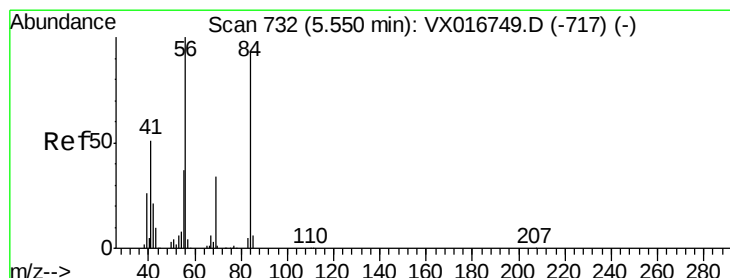
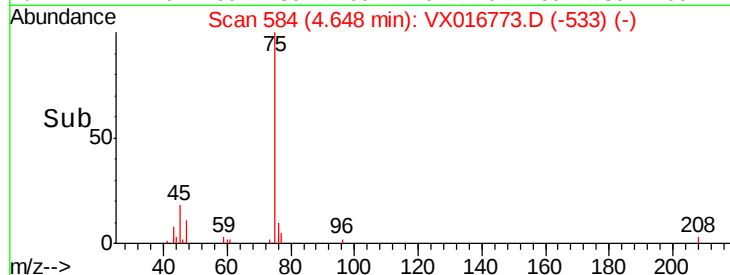
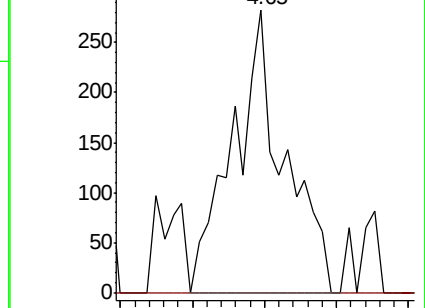
43 100

72 0.0 24.2 36.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#31

Cyclohexane

Concen: 1.813 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.08 min

Lab File: VX016773.D

Acq: 16 Jun 2020 12:51

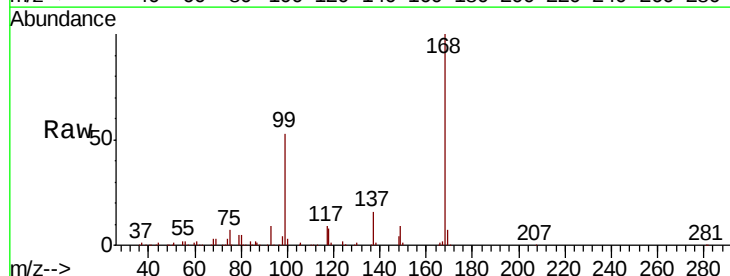
Tgt Ion: 56 Resp: 4038

Ion Ratio Lower Upper

56 100

69 209.7 27.1 40.7#

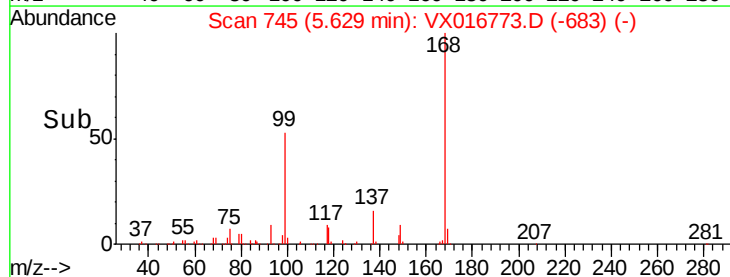
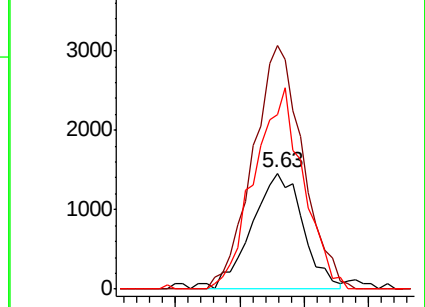
84 150.4 74.0 111.0#

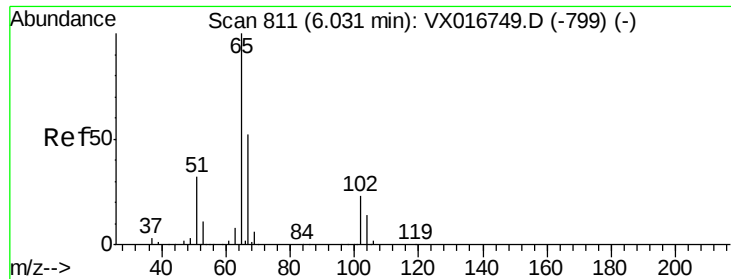


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

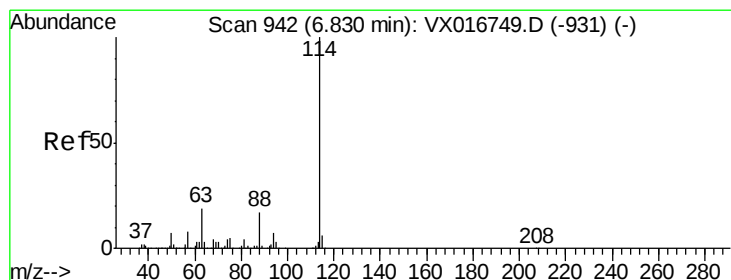
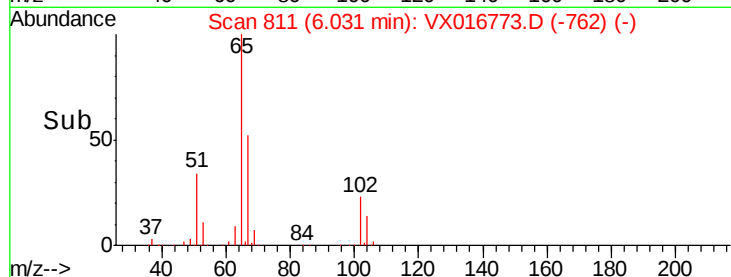
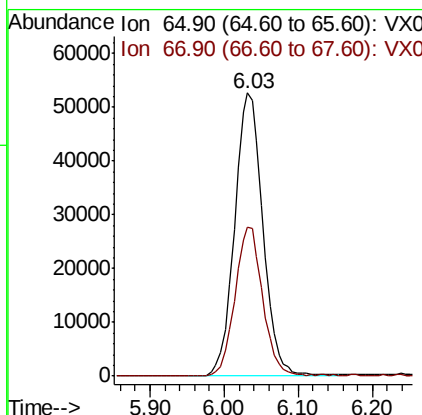
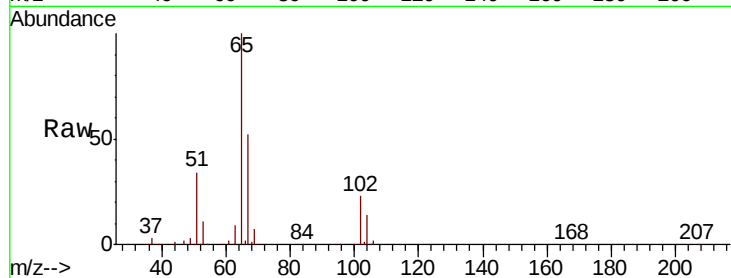




#33
 1,2-Dichloroethane-d4
 Concen: 50.595 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. 0.00 min
 Lab File: VX016773.D
 Acq: 16 Jun 2020 12:51

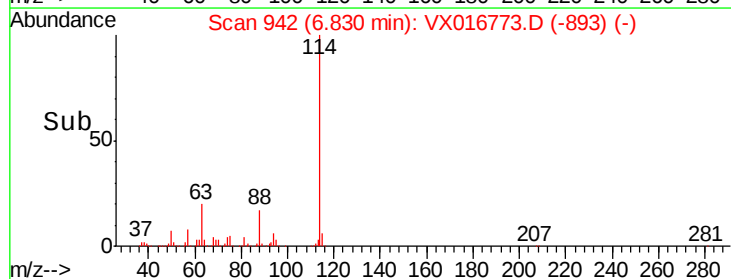
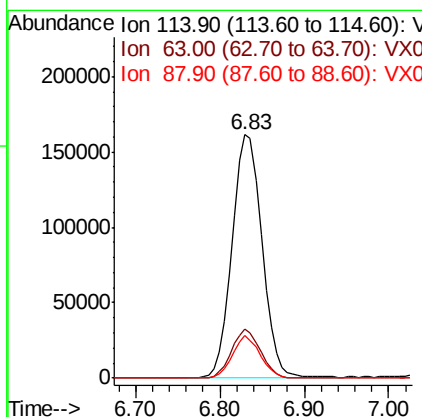
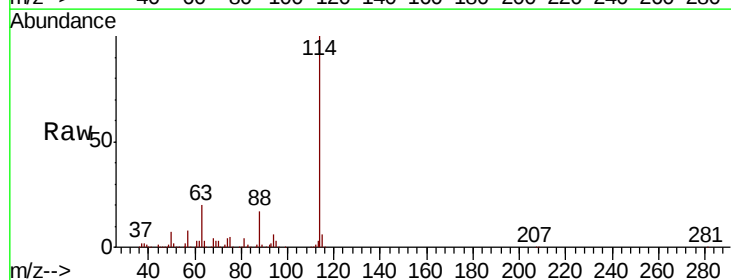
Instrument :
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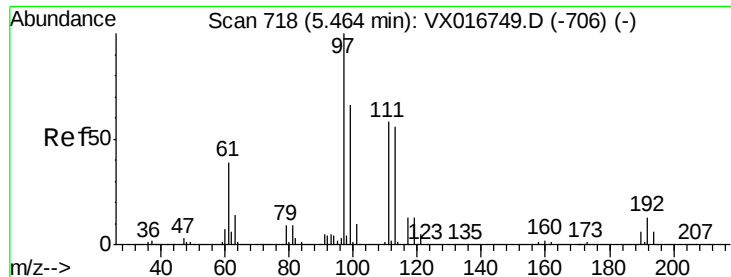
Tot Ion: 65 Resp: 140166
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: VX016773.D
 Acq: 16 Jun 2020 12:51

Tgt Ion: 114 Resp: 389233
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 38.8
 88 17.4 0.0 33.4

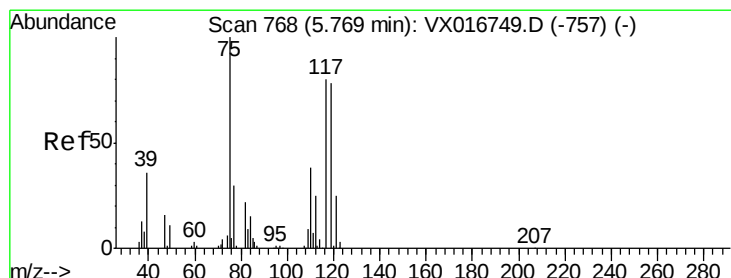
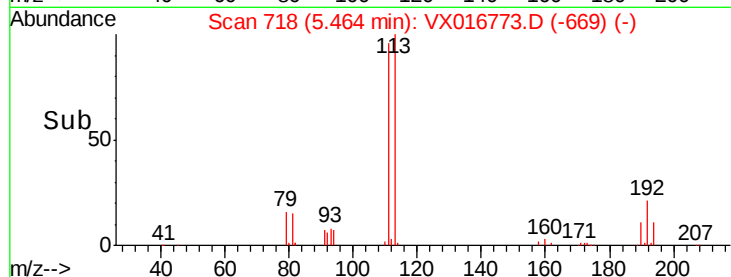
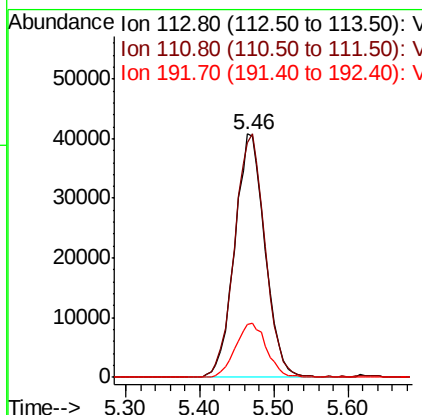
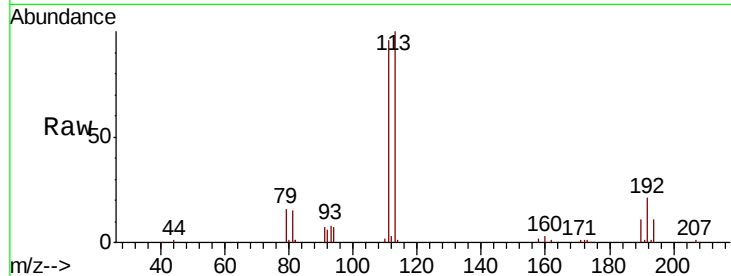




#35
 Dibromofluoromethane
 Concen: 48.453 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. 0.00 min
 Lab File: VX016773.D
 Acq: 16 Jun 2020 12:51

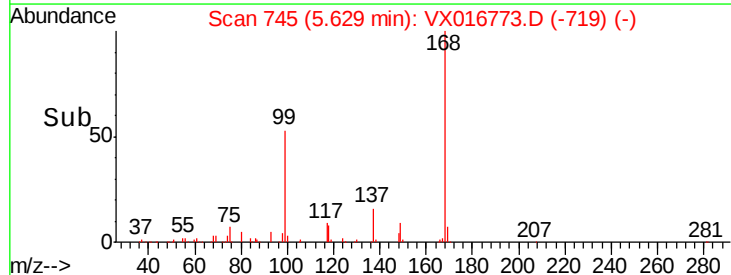
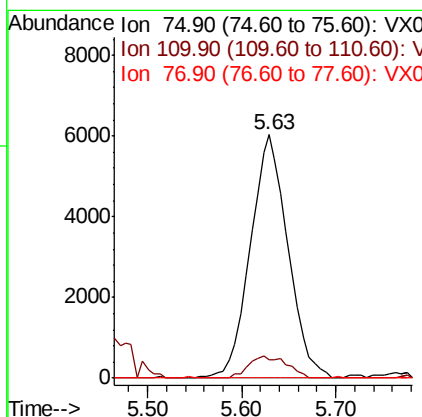
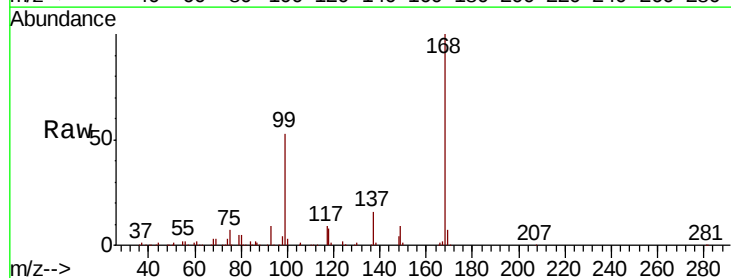
Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-5

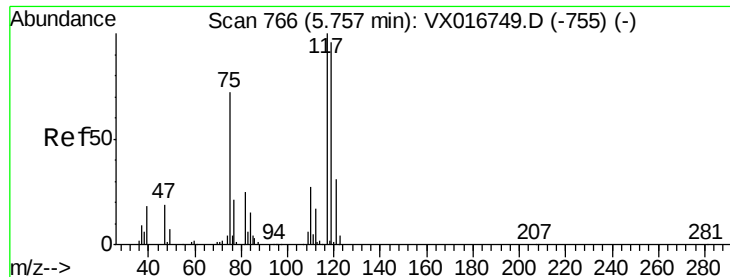
Tot Ion	Ratio	Lower	Upper
113	100		
111	100.7	81.8	122.6
192	22.8	18.2	27.4



#36
 1,1-Dichloropropene
 Concen: 4.895 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX016773.D
 Acq: 16 Jun 2020 12:51

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.1	18.4	55.2#
77	0.0	24.7	37.1#

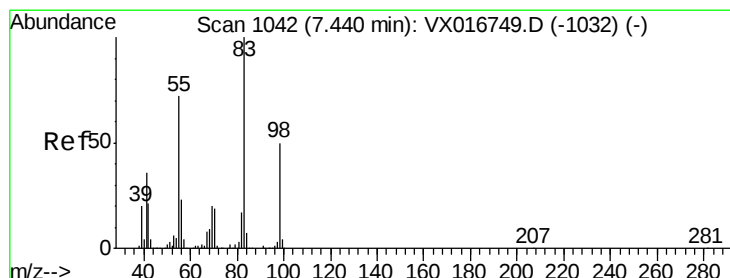
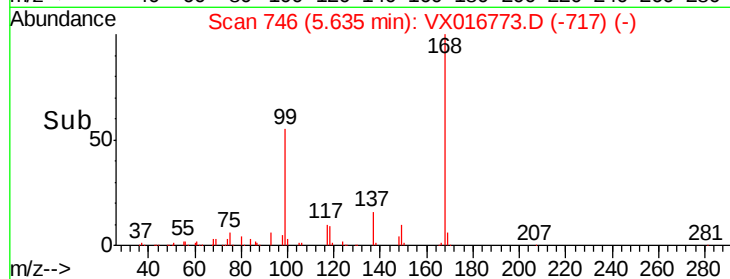
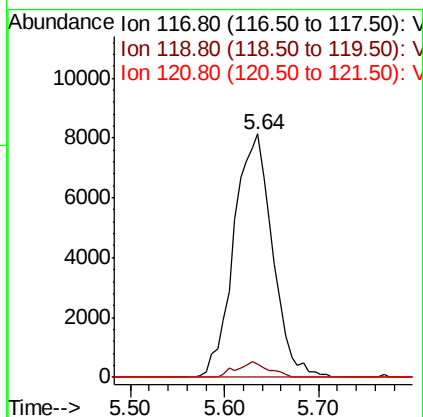
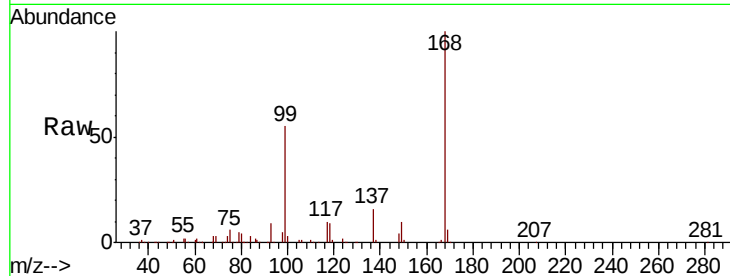




#38
Carbon Tetrachloride
Concen: 5.942 ug/l
RT: 5.64 min Scan# 746
Delta R.T. -0.12 min
Lab File: VX016773.D
Acq: 16 Jun 2020 12:51

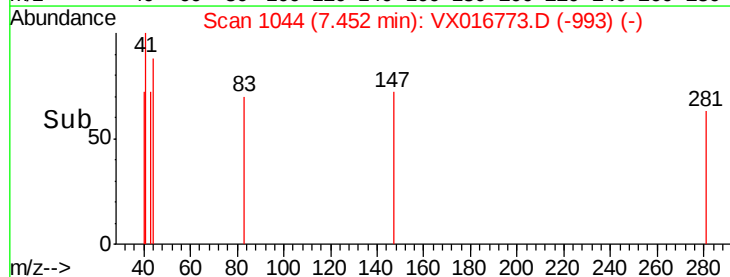
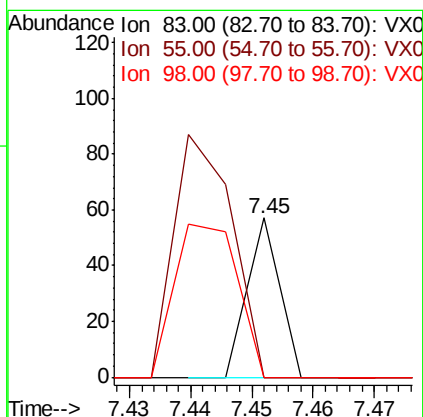
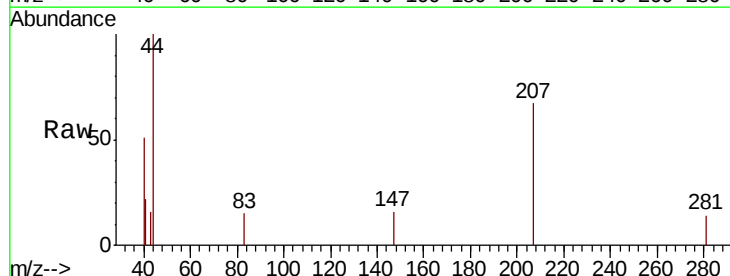
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

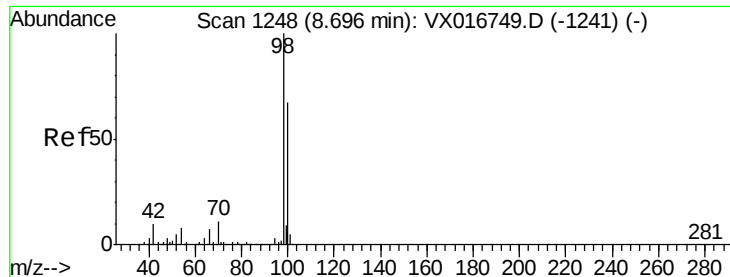
Tot Ion:117 Resp: 23214
Ion Ratio Lower Upper
117 100
119 5.3 76.7 115.1#
121 0.0 24.7 37.1#



#39
Methylcyclohexane
Concen: 0.958 ug/l
RT: 7.45 min Scan# 1044
Delta R.T. 0.01 min
Lab File: VX016773.D
Acq: 16 Jun 2020 12:51

Tgt Ion: 83 Resp: 21
Ion Ratio Lower Upper
83 100
55 0.0 57.3 85.9#
98 0.0 40.3 60.5#

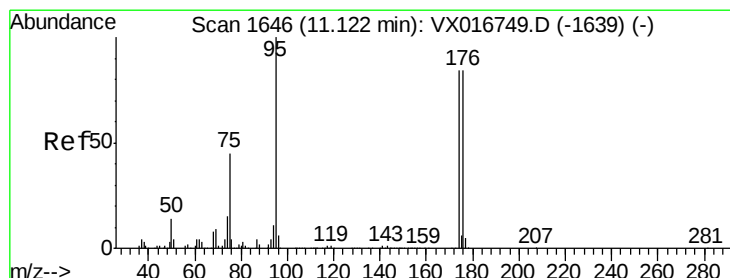
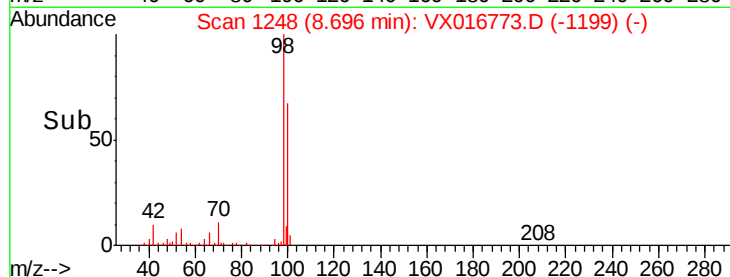
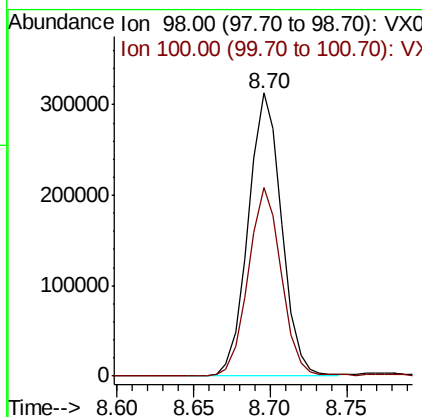
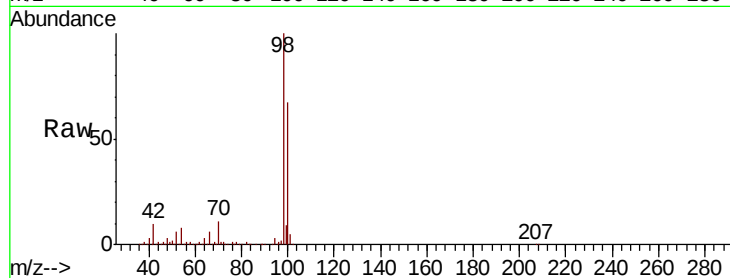




#50
Toluene-d8
Concen: 53.519 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX016773.D
Acq: 16 Jun 2020 12:51

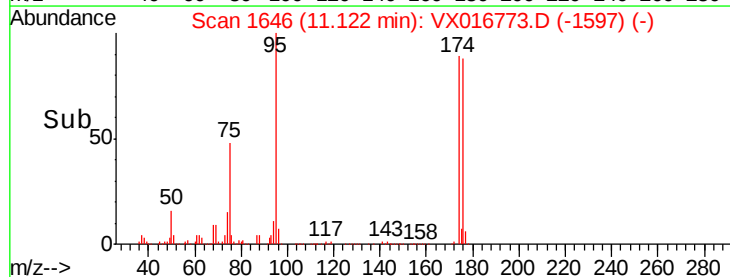
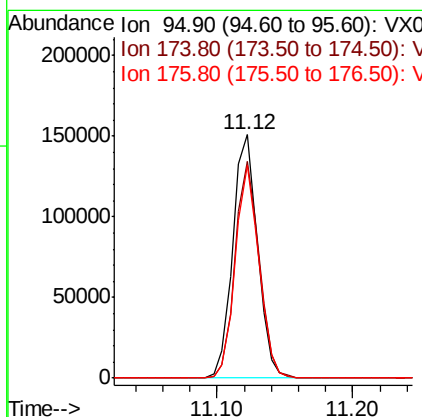
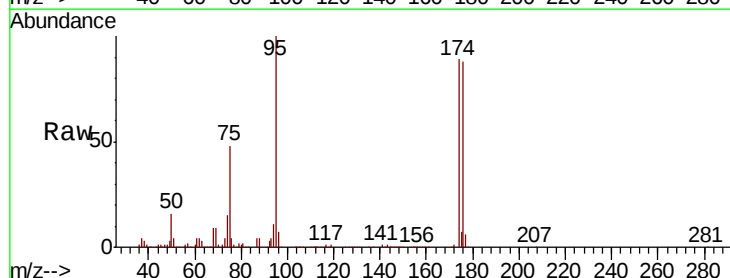
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

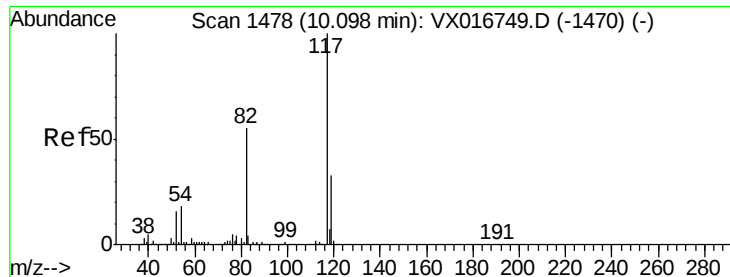
Tot Ion: 98 Resp: 473907
Ion Ratio Lower Upper
98 100
100 66.2 53.9 80.9



#62
4-Bromofluorobenzene
Concen: 56.561 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VX016773.D
Acq: 16 Jun 2020 12:51

Tgt Ion: 95 Resp: 191575
Ion Ratio Lower Upper
95 100
174 86.9 0.0 171.0
176 83.7 0.0 166.2

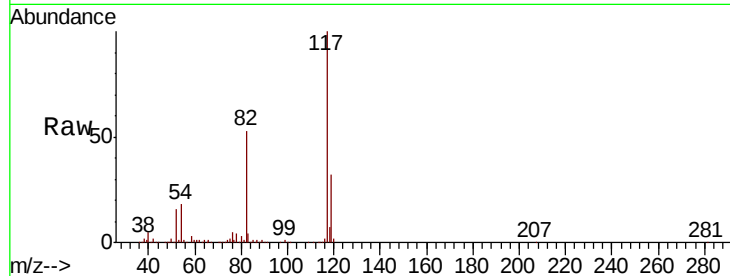




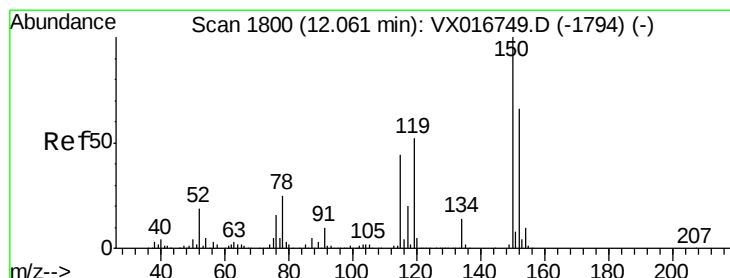
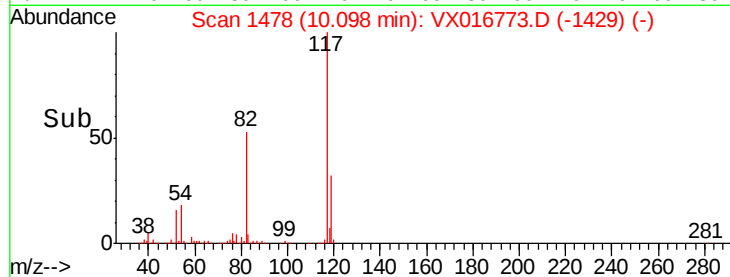
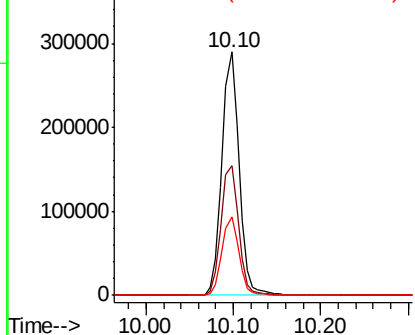
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016773.D
Acq: 16 Jun 2020 12:51

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

Tot Ion:117 Resp: 392070
Ion Ratio Lower Upper
117 100
82 53.5 43.8 65.6
119 32.5 26.2 39.4

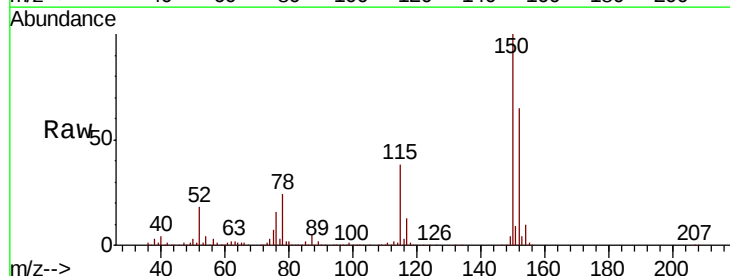


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

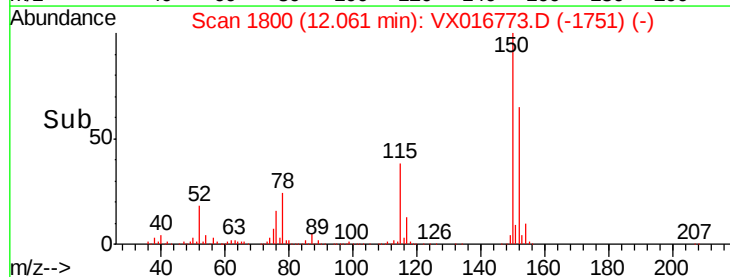
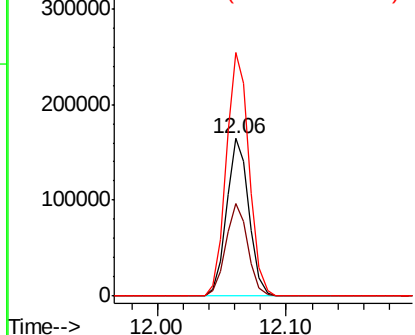


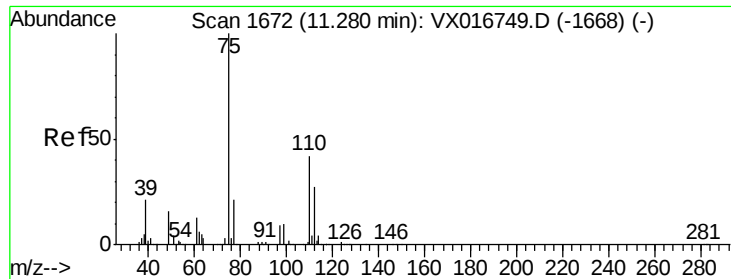
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX016773.D
Acq: 16 Jun 2020 12:51

Tgt Ion:152 Resp: 200344
Ion Ratio Lower Upper
152 100
115 58.1 40.3 120.8
150 158.0 0.0 337.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 21.858 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016773.D

Acq: 16 Jun 2020 12:51

Instrument :

MSVOA_X

ClientSampleId :

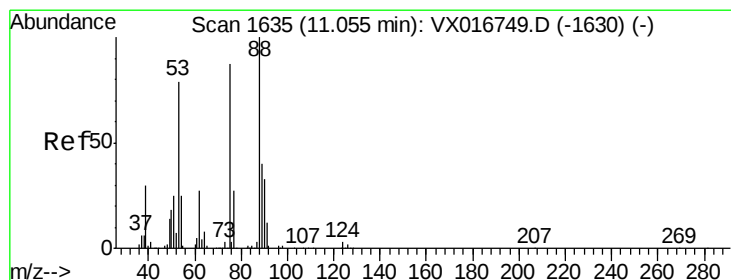
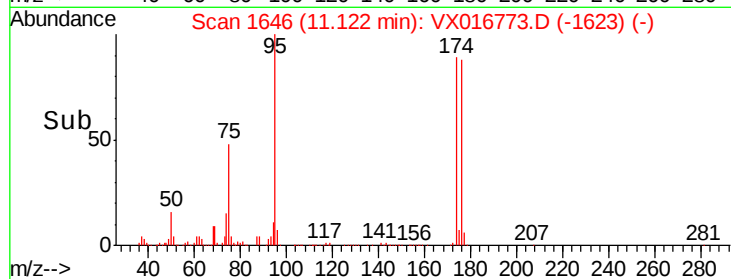
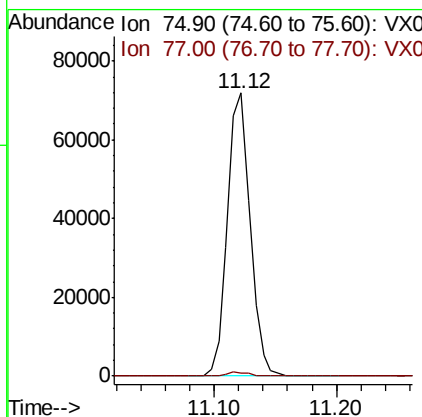
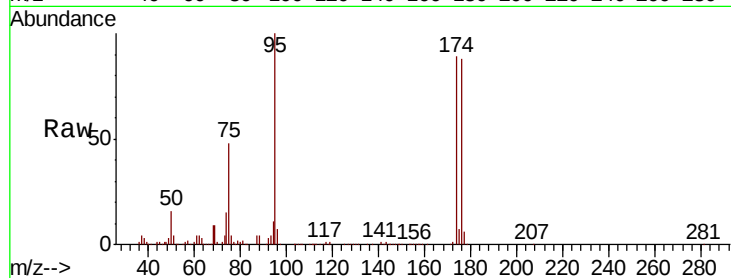
STORAGE-BLANK-WATER-REF-5

Tot Ion: 75 Resp: 92092

Ion Ratio Lower Upper

75 100

77 1.5 20.3 60.9#



#81

trans-1,4-Dichloro-2-butene

Concen: 55.028 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX016773.D

Acq: 16 Jun 2020 12:51

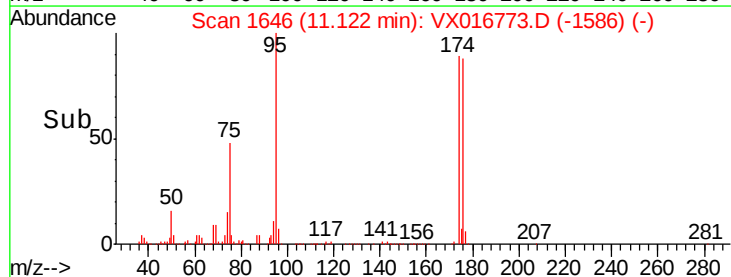
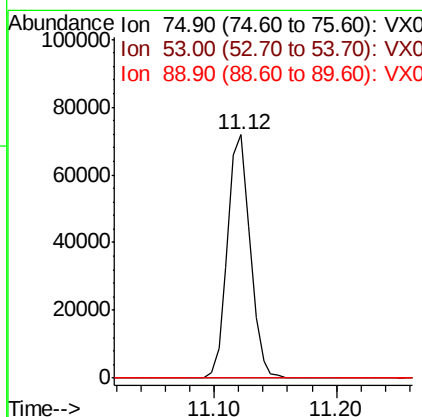
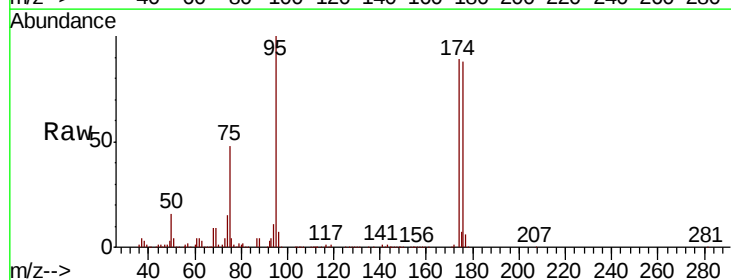
Tgt Ion: 75 Resp: 92092

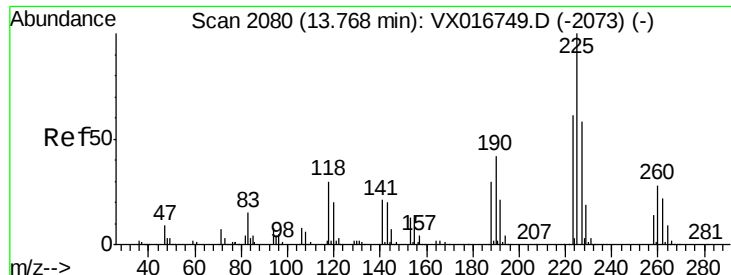
Ion Ratio Lower Upper

75 100

53 0.0 71.4 107.0#

89 0.0 39.1 58.7#

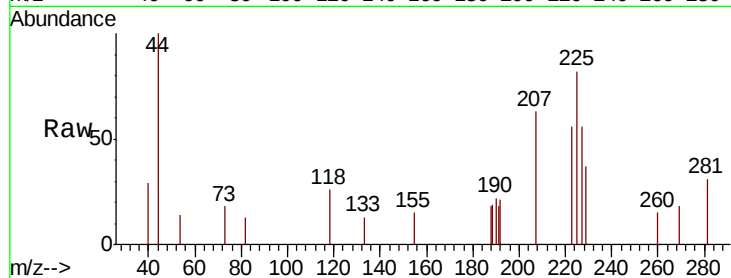




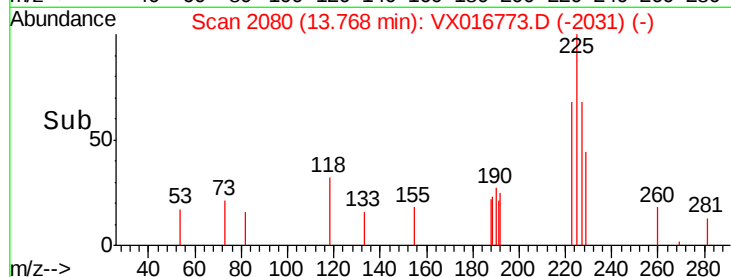
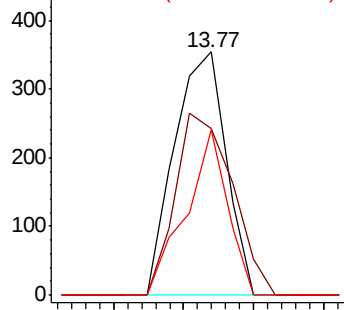
#94
 Hexachlorobutadiene
 Concen: 0.599 ug/l
 RT: 13.77 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VX016773.D
 Acq: 16 Jun 2020 12:51

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

Tot Ion:	225	Resp:	362
Ion	Ratio	Lower	Upper
225	100		
223	82.6	31.1	93.5
227	54.7	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



Time-->