

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060120\
 Data File : VX016540.D
 Acq On : 01 Jun 2020 19:31
 Operator : JC/SP
 Sample : IBLK
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: Jun 02 01:50:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052720W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 16:31:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	254382	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	411946	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	418756	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	223893	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	151015	47.80	ug/l	0.00
Spiked Amount			Recovery	=	95.60%	
35) Dibromofluoromethane	5.46	113	121174	47.77	ug/l	0.00
Spiked Amount			Recovery	=	95.54%	
50) Toluene-d8	8.70	98	510726	51.73	ug/l	0.00
Spiked Amount			Recovery	=	103.46%	
62) 4-Bromofluorobenzene	11.12	95	216601	56.78	ug/l	0.00
Spiked Amount			Recovery	=	113.56%	

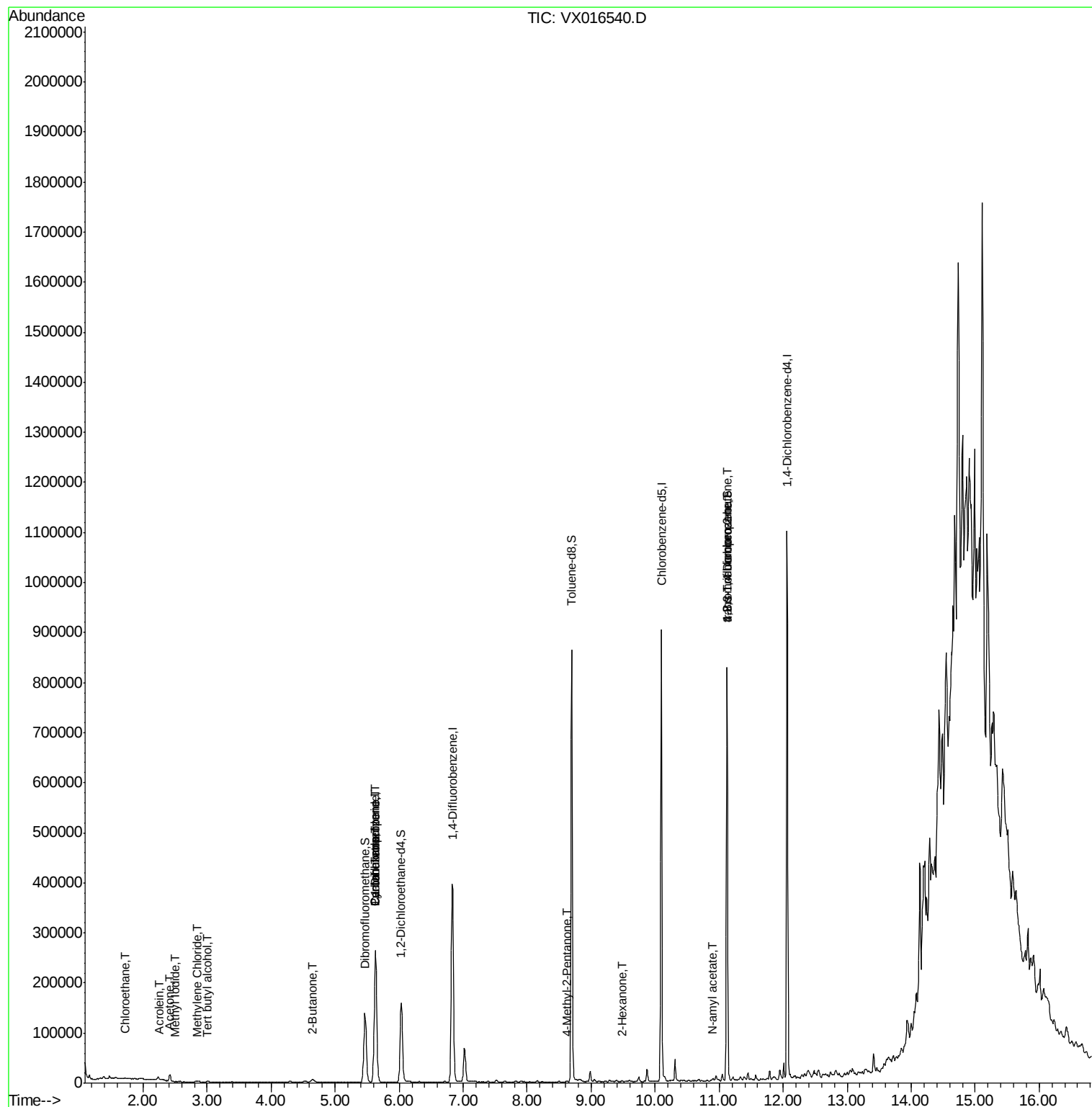
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.72	64	869	0.466	ug/l #	64
10) Methyl Iodide	2.50	142	43	3.070	ug/l #	40
11) Tert butyl alcohol	3.00	59	1830	2.259	ug/l #	72
13) Acrolein	2.26	56	486	1.410	ug/l #	59
16) Acetone	2.42	43	15901	11.489	ug/l	93
20) Methylene Chloride	2.84	84	712	0.249	ug/l #	71
25) 2-Butanone	4.65	43	3501	1.493	ug/l	93
31) Cyclohexane	5.63	56	4878	1.111	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	18591	4.766	ug/l #	51
38) Carbon Tetrachloride	5.63	117	24165	5.896	ug/l #	17
51) 4-Methyl-2-Pentanone	8.62	43	1383	0.304	ug/l	94
59) 2-Hexanone	9.48	43	1013	0.286	ug/l	86
74) N-amyl acetate	10.90	43	2994	0.420	ug/l #	86
76) 1,2,3-Trichloropropane	11.12	75	105308	21.398	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	105308	52.637	ug/l #	14

(#) = 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: VX016540.D

Acq: 01 Jun 2020 19:31

Instrument :

MSVOA_X

ClientSampled :

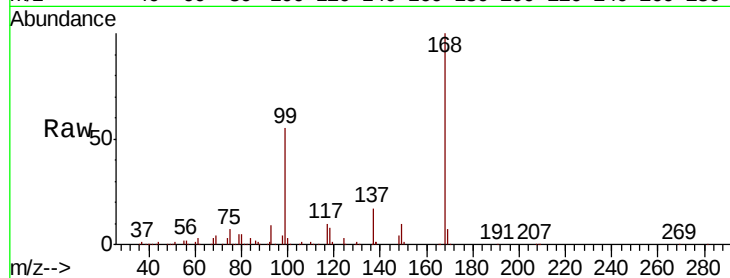
IBLK

Tot Ion:168 Resp: 254382

Ion Ratio Lower Upper

168 100

99 55.4 45.2 67.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

100000

80000

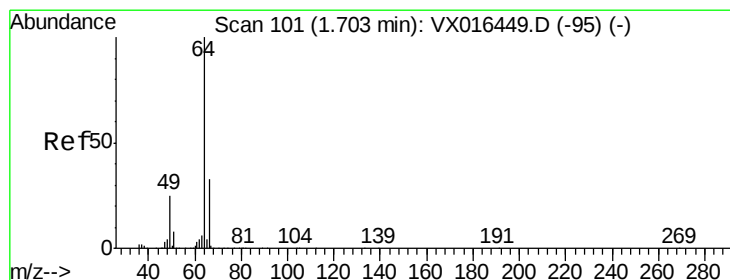
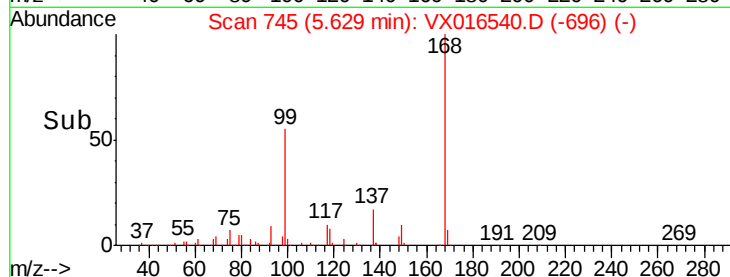
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 0.466 ug/l

RT: 1.72 min Scan# 103

Delta R.T. 0.01 min

Lab File: VX016540.D

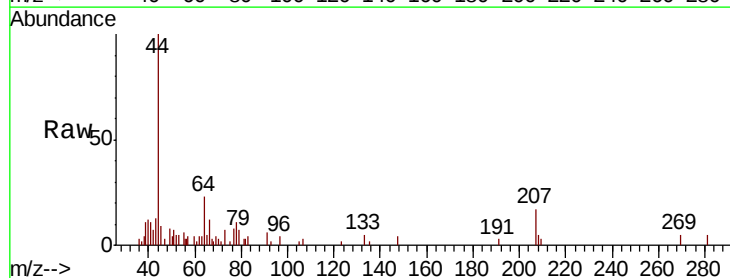
Acq: 01 Jun 2020 19:31

Tgt Ion: 64 Resp: 869

Ion Ratio Lower Upper

64 100

66 53.6 26.7 40.1#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

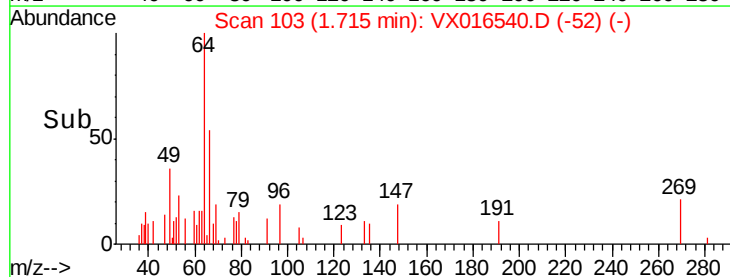
600

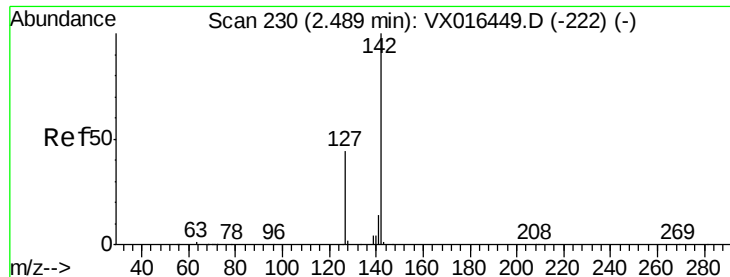
400

200

0

Time-->





#10

Methyl Iodide

Concen: 3.070 ug/l

RT: 2.50 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX016540.D

Acq: 01 Jun 2020 19:31

Instrument :

MSVOA_X

ClientSampled :

IBLK

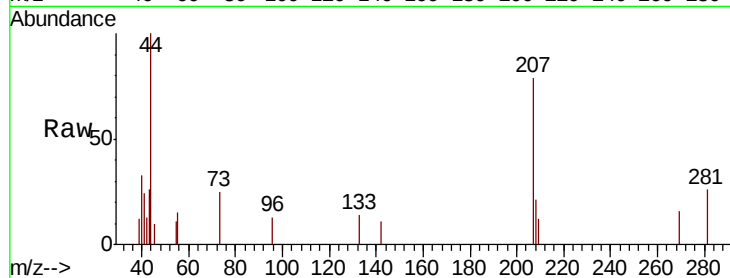
Tot Ion:142 Resp: 43

Ion Ratio Lower Upper

142 100

127 0.0 35.3 52.9#

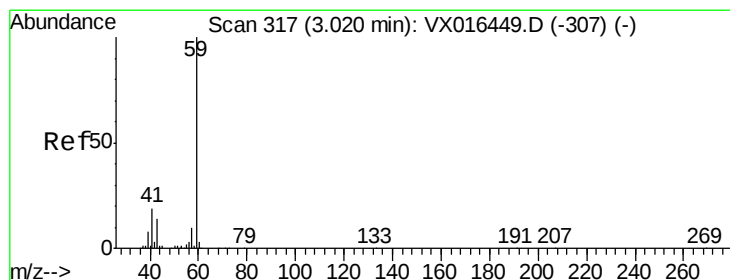
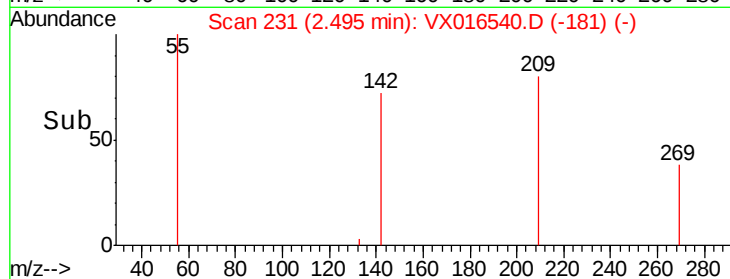
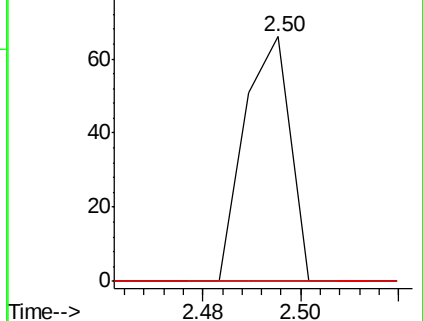
141 0.0 11.4 17.2#



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: 2.259 ug/l

RT: 3.00 min Scan# 313

Delta R.T. -0.02 min

Lab File: VX016540.D

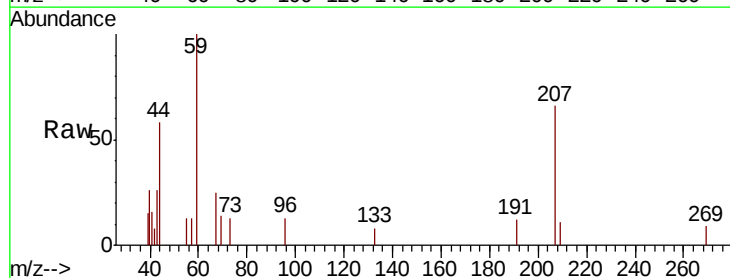
Acq: 01 Jun 2020 19:31

Tgt Ion: 59 Resp: 1830

Ion Ratio Lower Upper

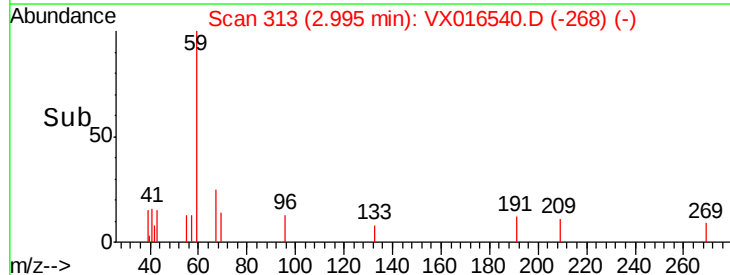
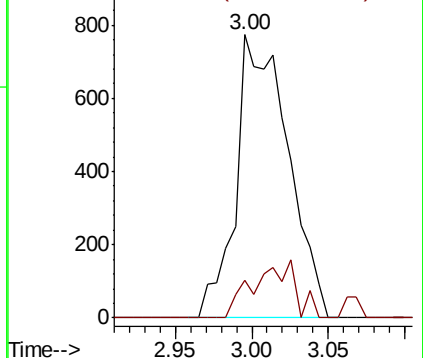
59 100

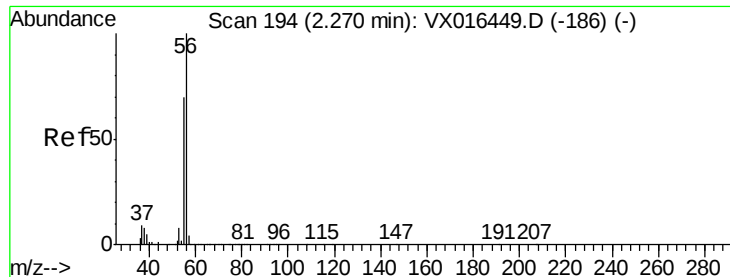
57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 1.410 ug/l

RT: 2.26 min Scan# 193

Delta R.T. -0.01 min

Lab File: VX016540.D

Acq: 01 Jun 2020 19:31

Instrument :

MSVOA_X

ClientSampled :

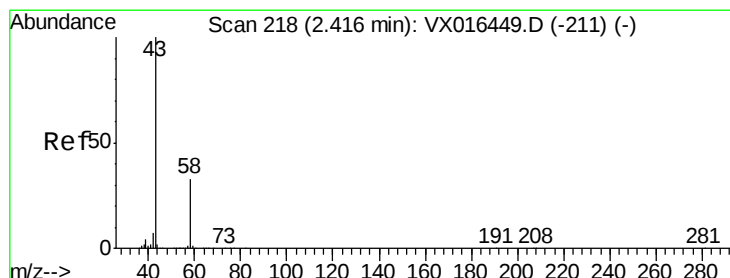
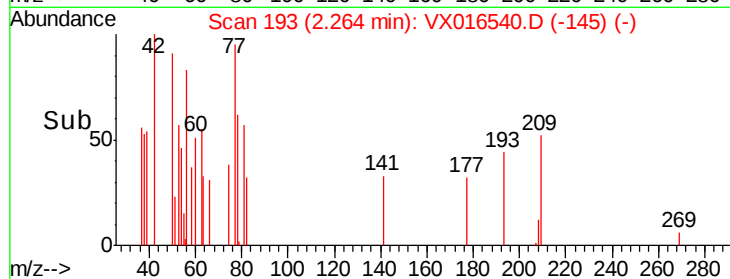
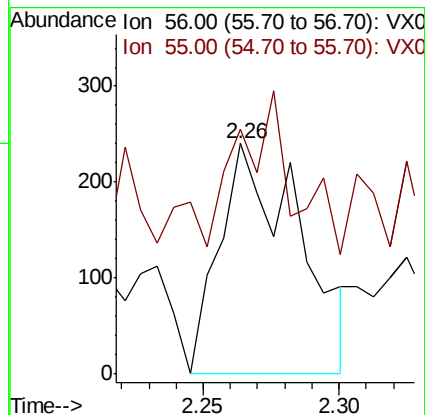
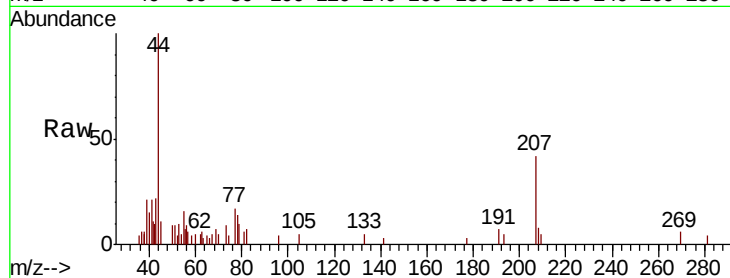
IBLK

Tot Ion: 56 Resp: 486

Ion Ratio Lower Upper

56 100

55 38.9 58.3 87.5#



#16

Acetone

Concen: 11.489 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.00 min

Lab File: VX016540.D

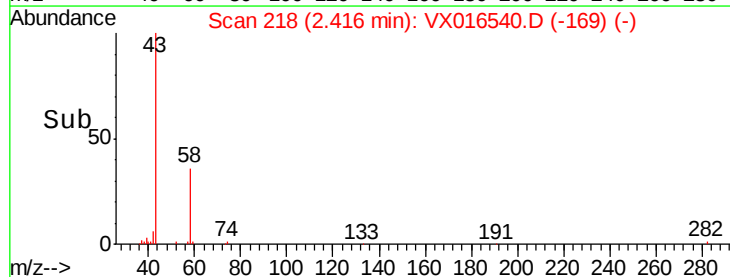
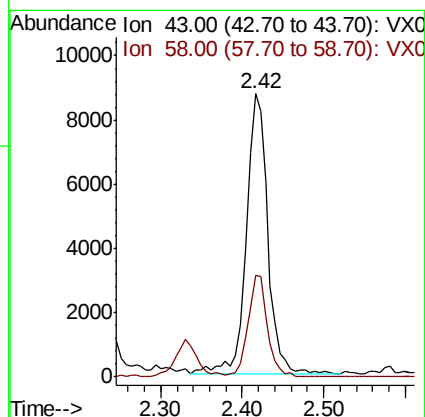
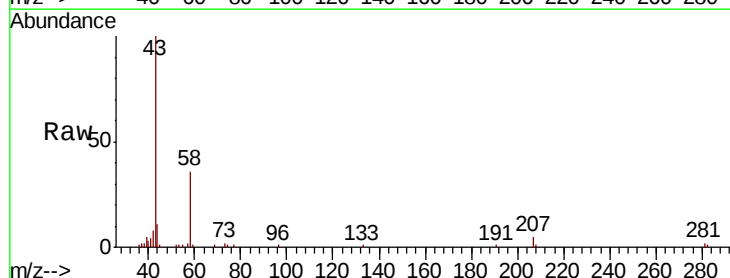
Acq: 01 Jun 2020 19:31

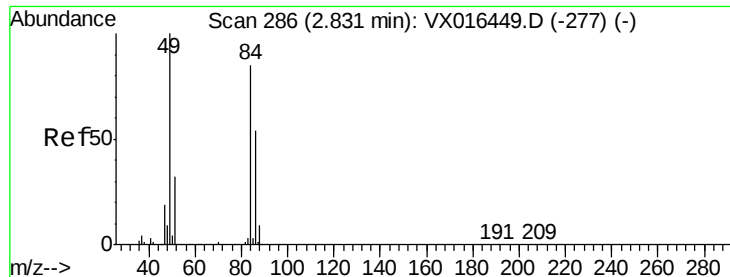
Tgt Ion: 43 Resp: 15901

Ion Ratio Lower Upper

43 100

58 36.5 26.1 39.1





#20

Methylene Chloride

Concen: 0.249 ug/l

RT: 2.84 min Scan# 287

Delta R.T. 0.01 min

Lab File: VX016540.D

Acq: 01 Jun 2020 19:31

Instrument :

MSVOA_X

ClientSampleId :

IBLK

Tot Ion: 84 Resp: 712

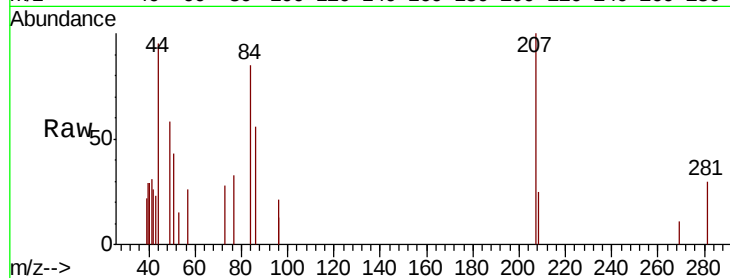
Ion Ratio Lower Upper

84 100

49 68.4 94.5 141.7#

51 50.3 30.2 45.4#

86 65.9 51.1 76.7

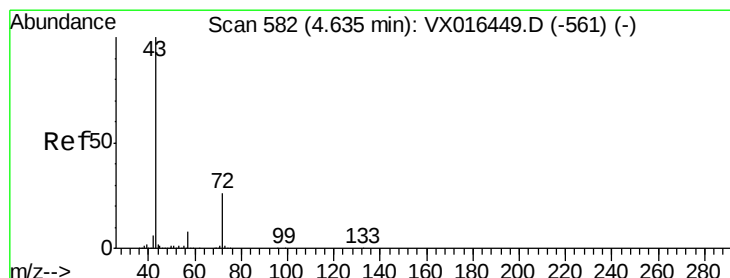
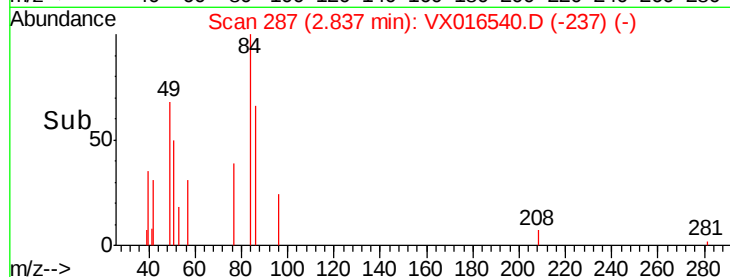
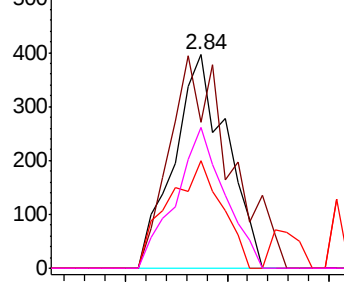


Abundance Ion 83.90 (83.60 to 84.60): VX0

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: 1.493 ug/l

RT: 4.65 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX016540.D

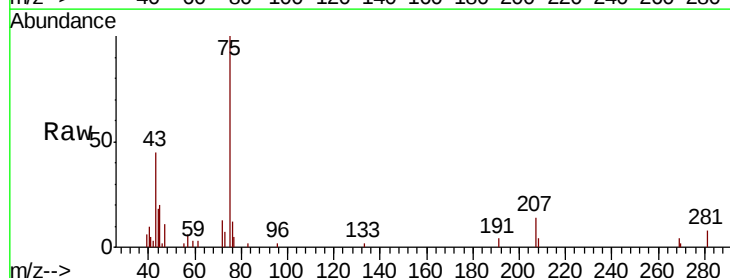
Acq: 01 Jun 2020 19:31

Tgt Ion: 43 Resp: 3501

Ion Ratio Lower Upper

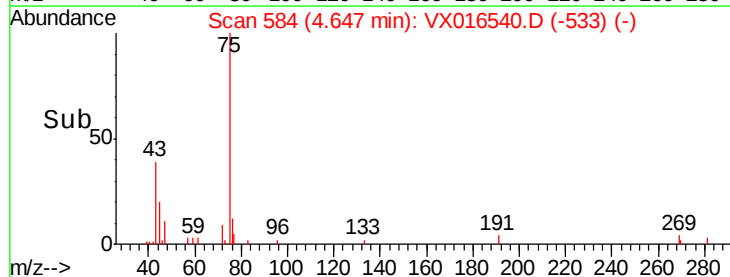
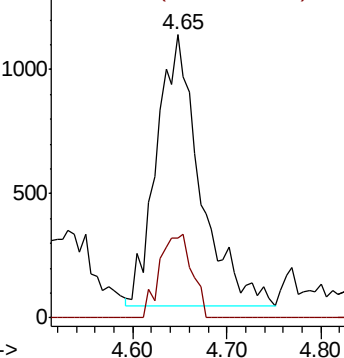
43 100

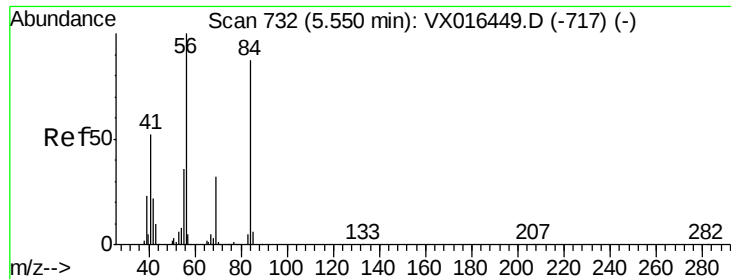
72 29.8 21.0 31.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

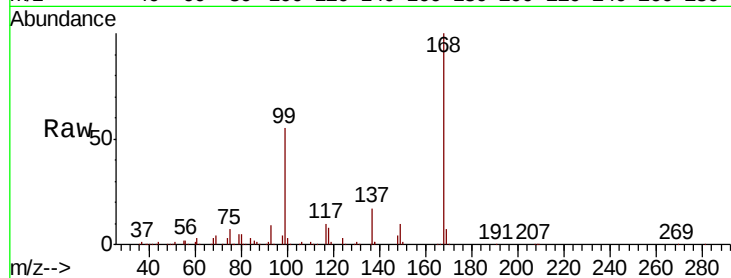




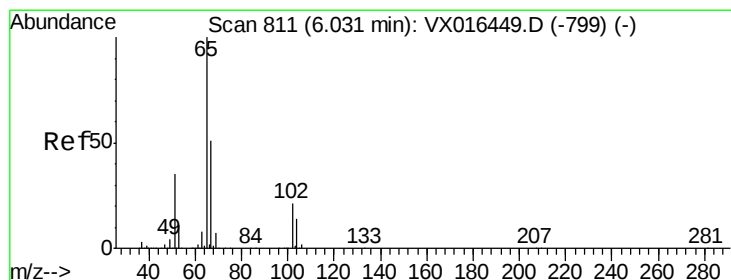
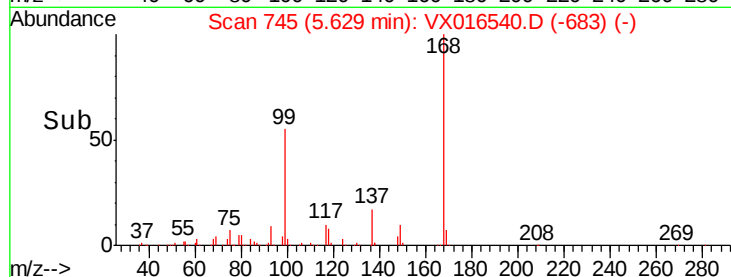
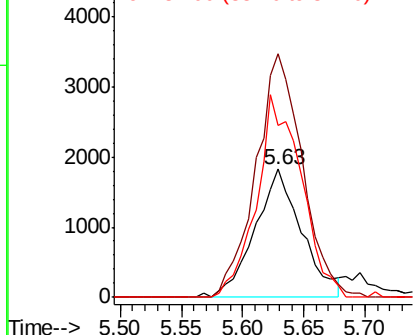
#31
Cyclohexane
Concen: 1.111 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX016540.D
Acq: 01 Jun 2020 19:31

Instrument :
MSVOA_X
ClientSampleId :
IBLK

Tot Ion: 56 Resp: 4878
Ion Ratio Lower Upper
56 100
69 189.7 25.7 38.5#
84 134.3 70.0 105.0#

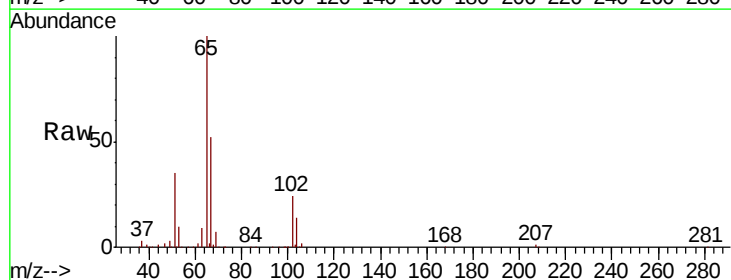


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

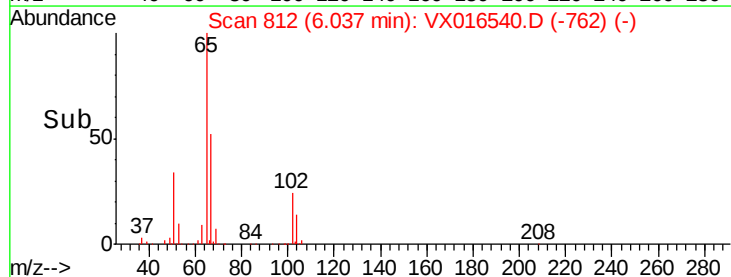
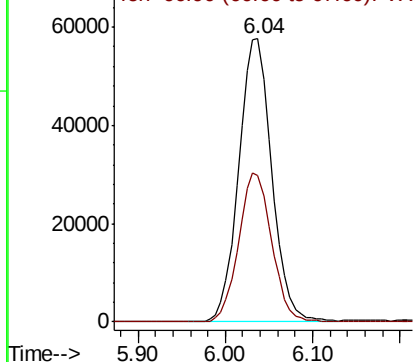


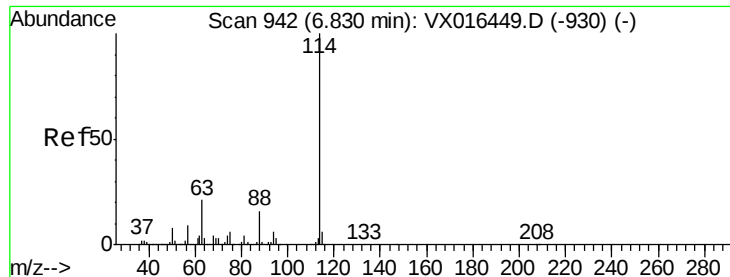
#33
1,2-Dichloroethane-d4
Concen: 47.803 ug/l
RT: 6.04 min Scan# 812
Delta R.T. 0.01 min
Lab File: VX016540.D
Acq: 01 Jun 2020 19:31

Tgt Ion: 65 Resp: 151015
Ion Ratio Lower Upper
65 100
67 52.5 0.0 104.8



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: VX016540.D

Acq: 01 Jun 2020 19:31

Instrument :

MSVOA_X

ClientSampleId :

IBLK

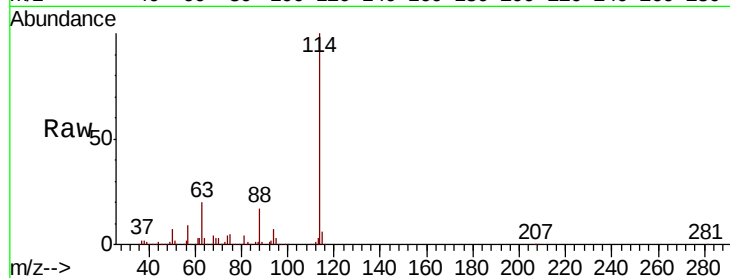
Tot Ion:114 Resp: 411946

Ion Ratio Lower Upper

114 100

63 20.0 0.0 42.6

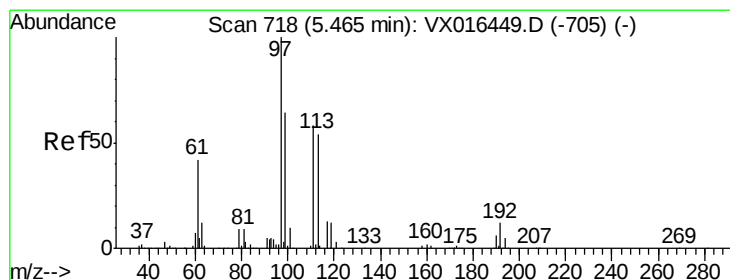
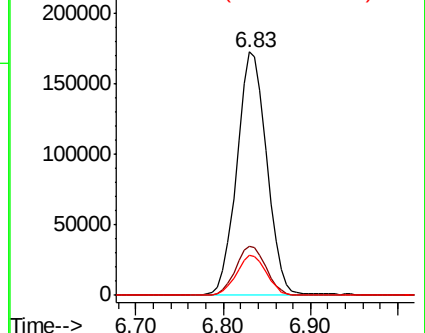
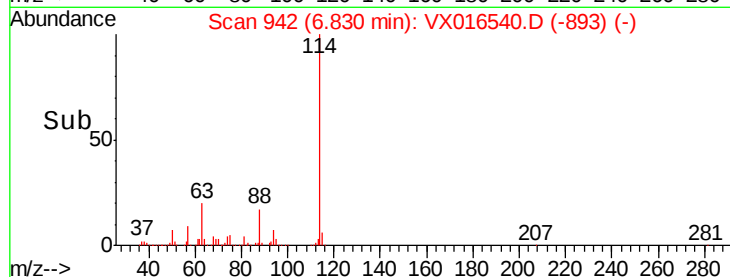
88 16.6 0.0 32.8



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: 47.771 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX016540.D

Acq: 01 Jun 2020 19:31

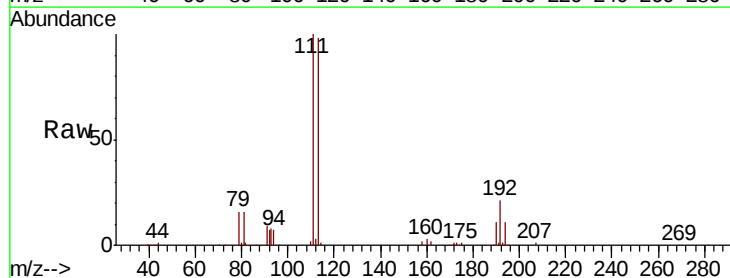
Tgt Ion:113 Resp: 121174

Ion Ratio Lower Upper

113 100

111 102.8 83.0 124.6

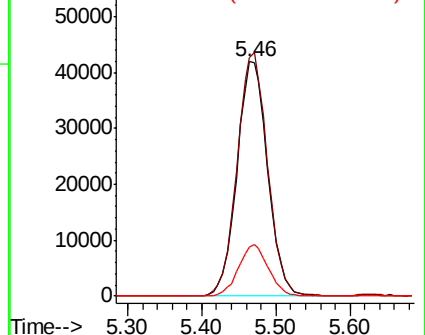
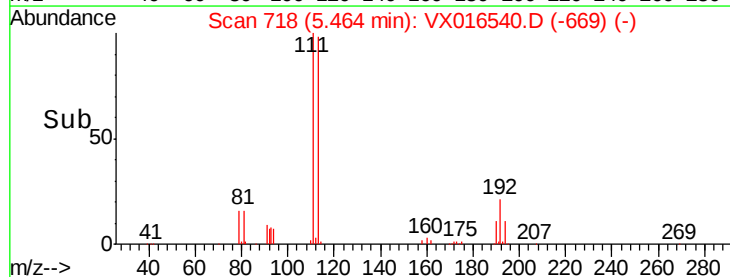
192 21.5 17.7 26.5

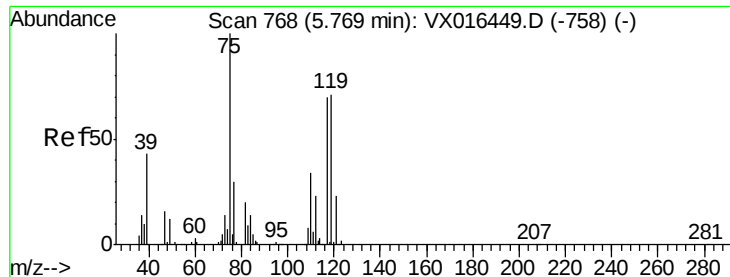


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.766 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX016540.D

Acq: 01 Jun 2020 19:31

Instrument :

MSVOA_X

ClientSampleId :

IBLK

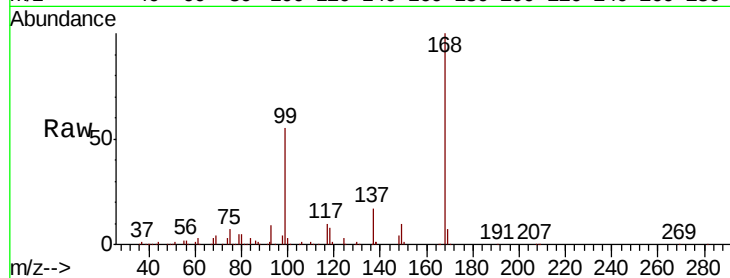
Tot Ion: 75 Resp: 18591

Ion Ratio Lower Upper

75 100

110 9.5 17.4 52.3#

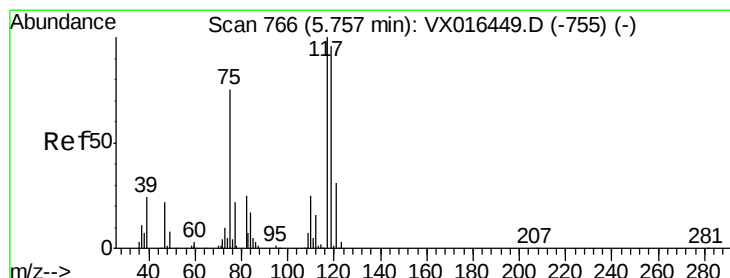
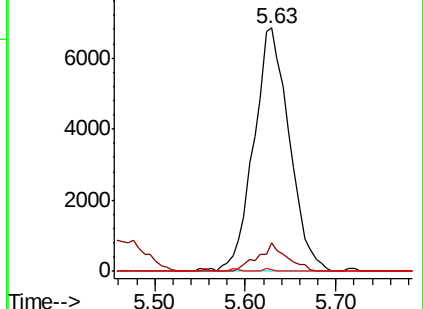
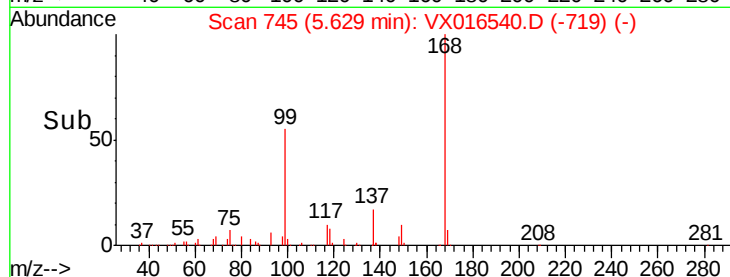
77 0.3 24.2 36.4#



Abundance Ion 74.90 (74.60 to 75.60): VX016540.D (-719) (-)

Ion 109.90 (109.60 to 110.60): VX016540.D (-719) (-)

Ion 76.90 (76.60 to 77.60): VX016540.D (-719) (-)



#38

Carbon Tetrachloride

Concen: 5.896 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX016540.D

Acq: 01 Jun 2020 19:31

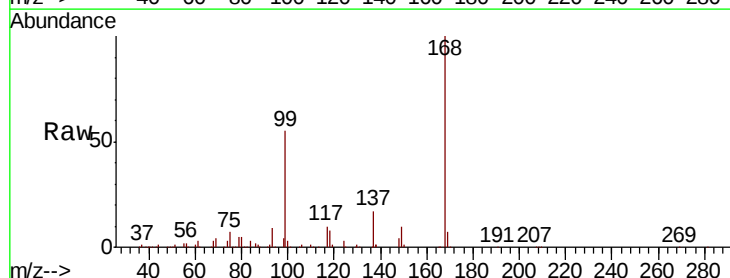
Tgt Ion: 117 Resp: 24165

Ion Ratio Lower Upper

117 100

119 5.5 76.3 114.5#

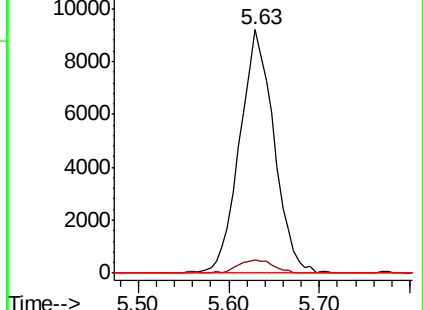
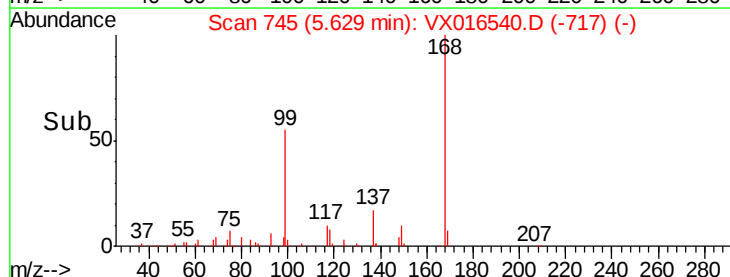
121 0.0 24.6 37.0#

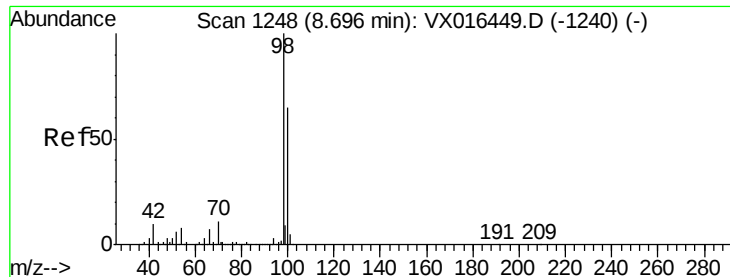


Abundance Ion 116.80 (116.50 to 117.50): VX016540.D (-717) (-)

Ion 118.80 (118.50 to 119.50): VX016540.D (-717) (-)

Ion 120.80 (120.50 to 121.50): VX016540.D (-717) (-)

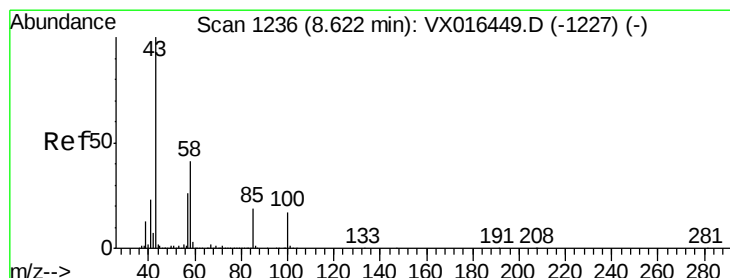
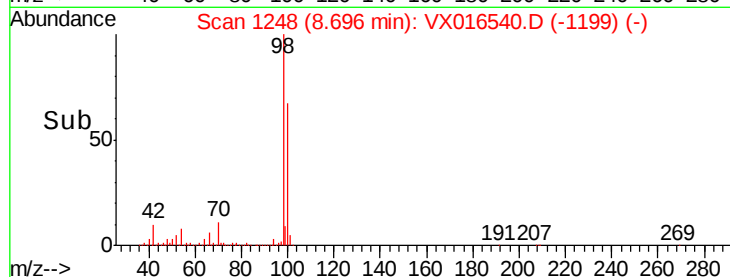
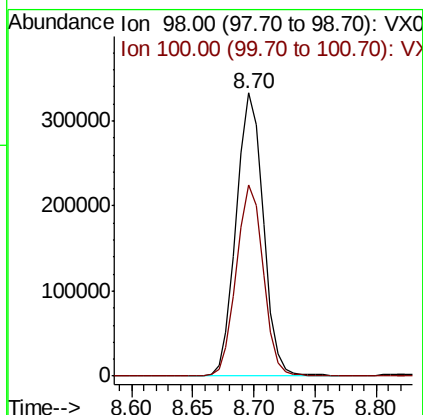
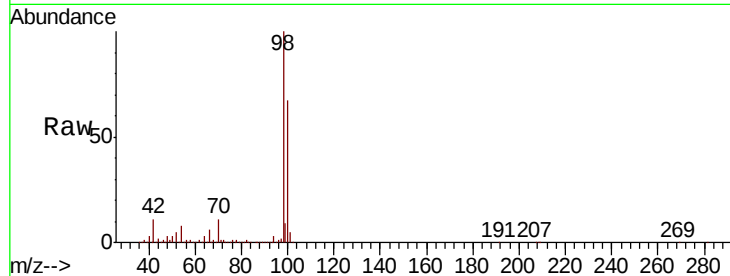




#50
Toluene-d8
Concen: 51.731 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX016540.D
Acq: 01 Jun 2020 19:31

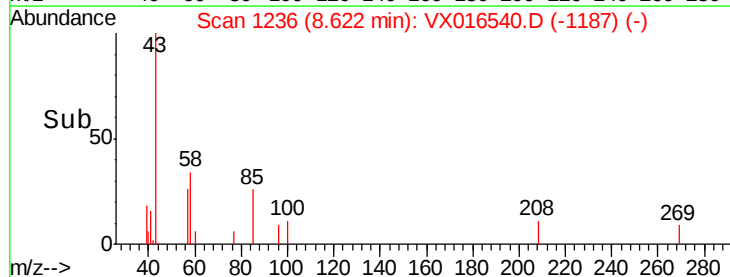
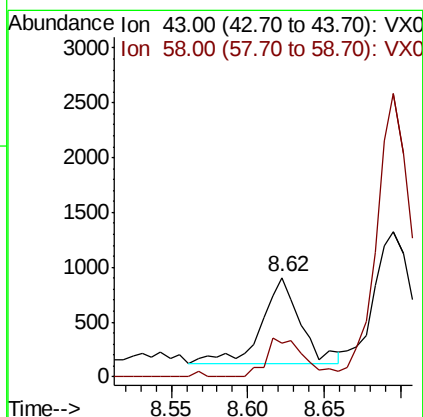
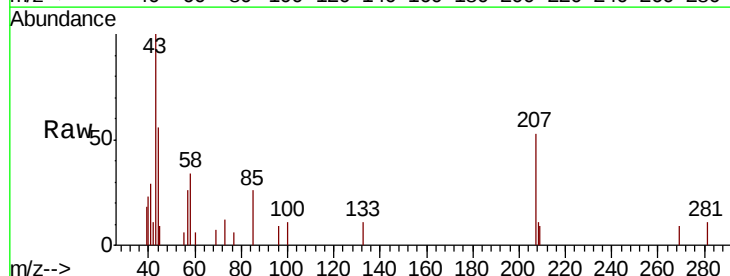
Instrument :
MSVOA_X
ClientSampleId :
IBLK

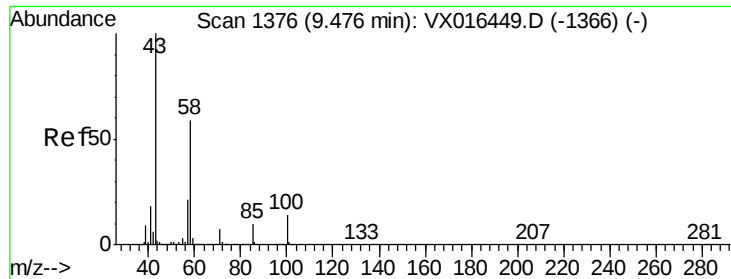
Tot Ion: 98 Resp: 510726
Ion Ratio Lower Upper
98 100
100 67.0 53.8 80.6



#51
4-Methyl-2-Pentanone
Concen: 0.304 ug/l
RT: 8.62 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VX016540.D
Acq: 01 Jun 2020 19:31

Tgt Ion: 43 Resp: 1383
Ion Ratio Lower Upper
43 100
58 45.2 33.0 49.6

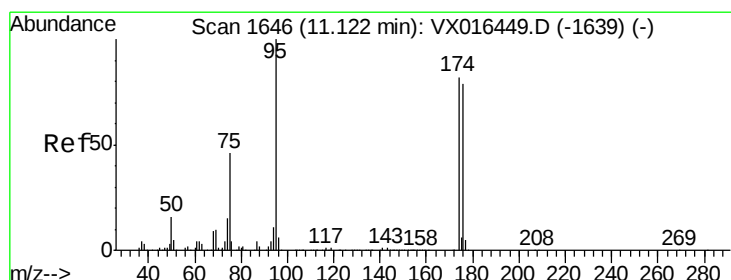
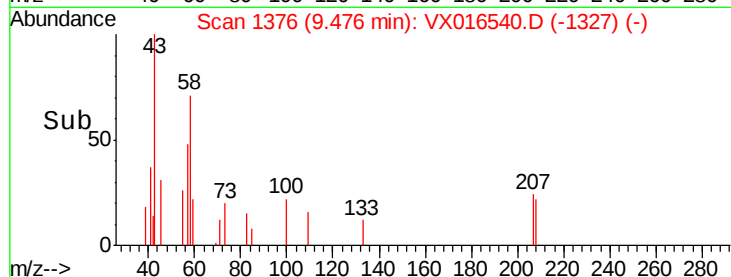
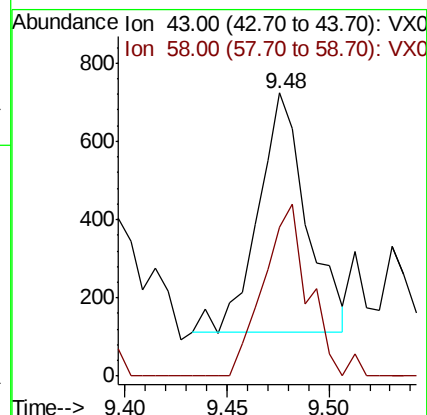
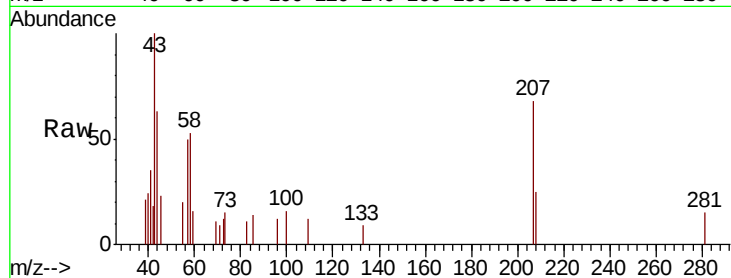




#59
2-Hexanone
Concen: 0.286 ug/l
RT: 9.48 min Scan# 1376
Delta R.T. -0.00 min
Lab File: VX016540.D
Acq: 01 Jun 2020 19:31

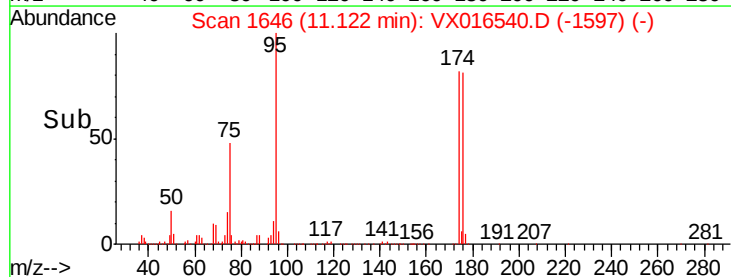
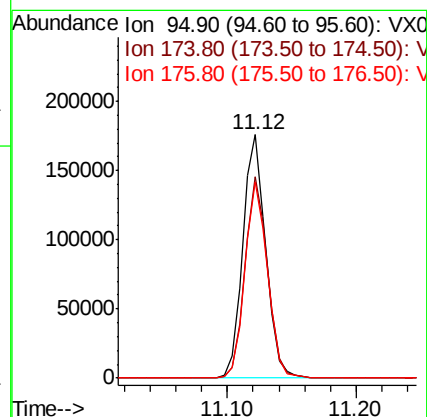
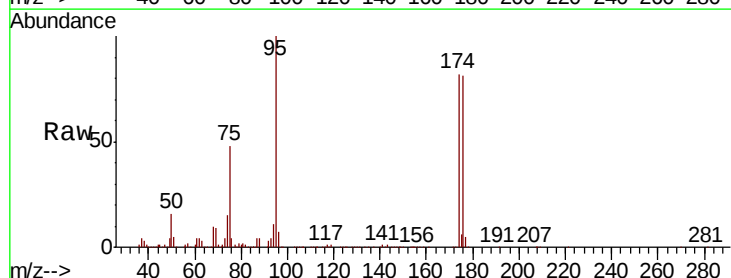
Instrument :
MSVOA_X
ClientSampleId :
IBLK

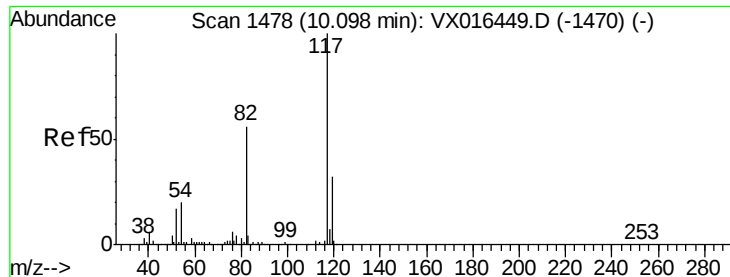
Tot Ion: 43 Resp: 1013
Ion Ratio Lower Upper
43 100
58 67.6 28.8 86.4



#62
4-Bromofluorobenzene
Concen: 56.779 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX016540.D
Acq: 01 Jun 2020 19:31

Tgt Ion: 95 Resp: 216601
Ion Ratio Lower Upper
95 100
174 81.1 0.0 163.0
176 79.2 0.0 156.8

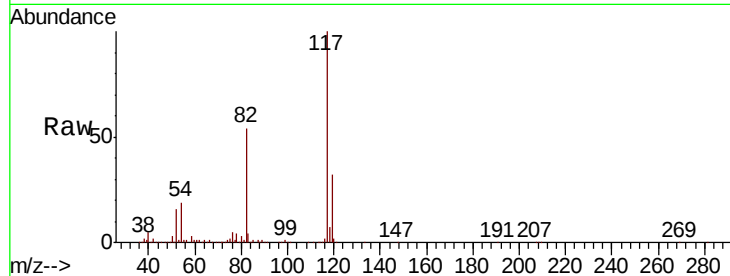




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016540.D
Acq: 01 Jun 2020 19:31

Instrument :
MSVOA_X
ClientSampleId :
IBLK

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.3	45.0	67.6
119	32.0	25.8	38.8

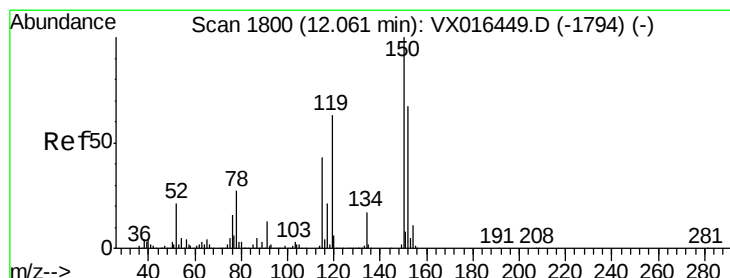
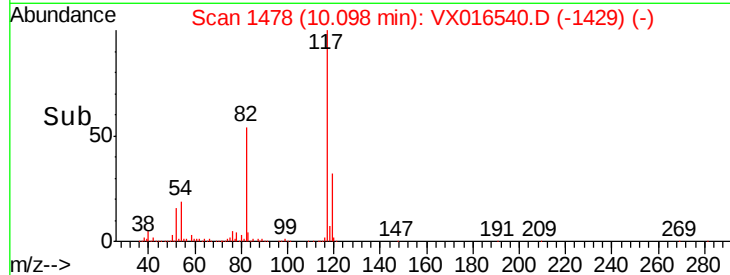
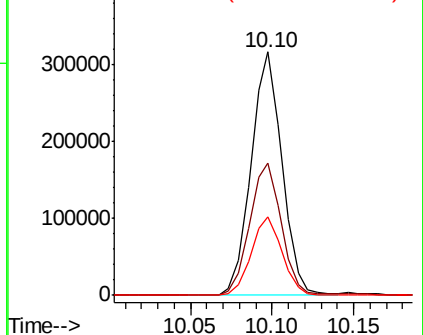


Abundance

Ion 116.90 (116.60 to 117.60): V

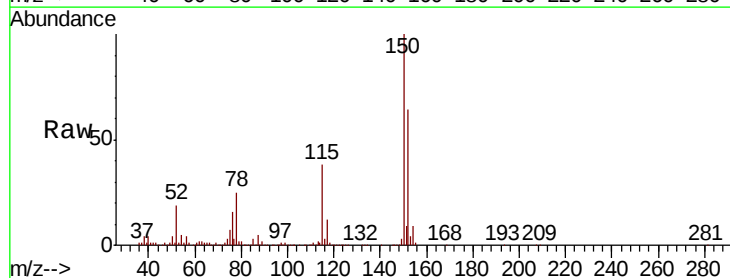
Ion 82.00 (81.70 to 82.70): VX0

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: VX016540.D
Acq: 01 Jun 2020 19:31

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.3	39.9	119.6
150	157.9	0.0	341.0

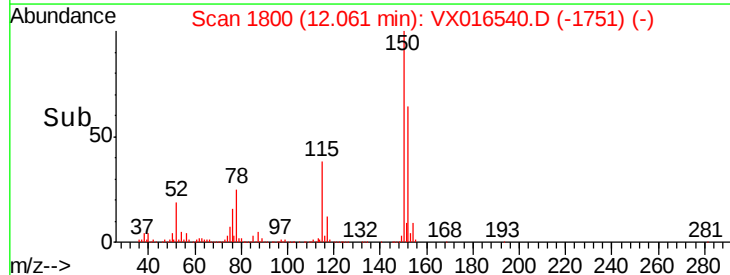
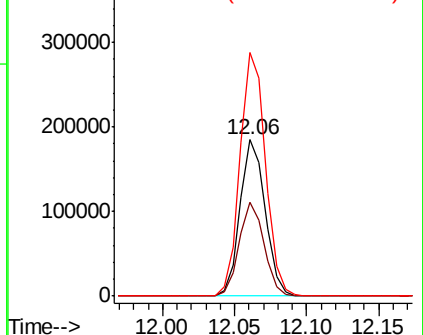


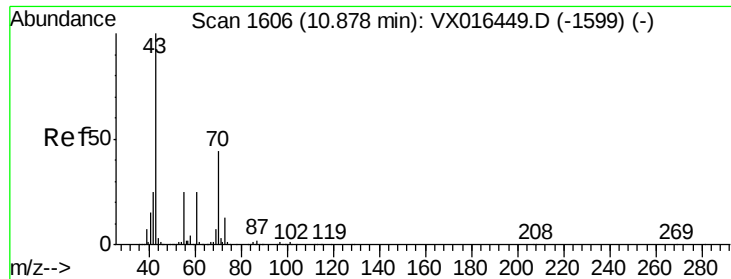
Abundance

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





#74

N-amvl acetate

Concen: 0.420 ug/l

RT: 10.90 min Scan# 1610

Delta R.T. 0.02 min

Lab File: VX016540.D

Acq: 01 Jun 2020 19:31

Instrument :

MSVOA_X

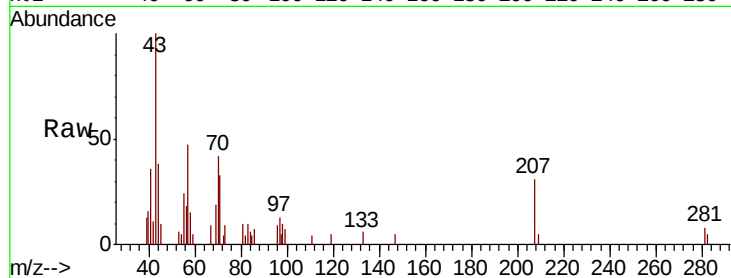
ClientSampleId :

IBLK

Tot Ion: 43 Resp: 2994

Ion Ratio Lower Upper

43	100		
70	44.5	36.1	54.1
55	26.4	20.2	30.4
61	0.0	20.3	30.5#



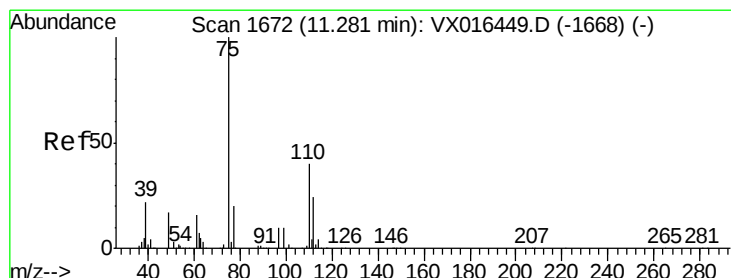
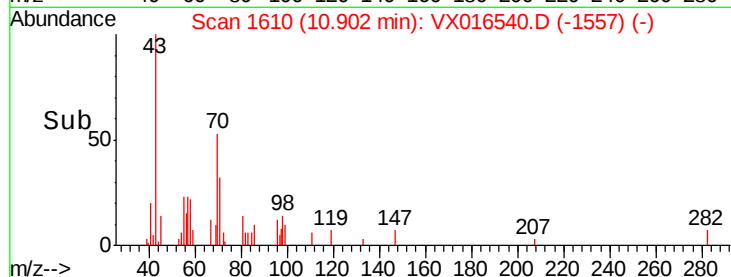
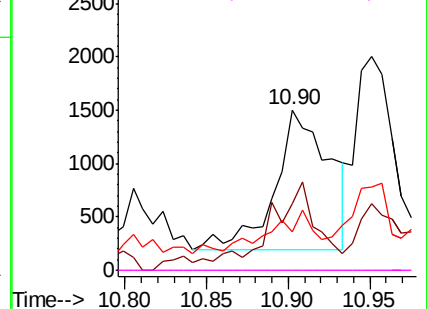
Abundance

Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#76

1,2,3-Trichloropropane

Concen: 21.398 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

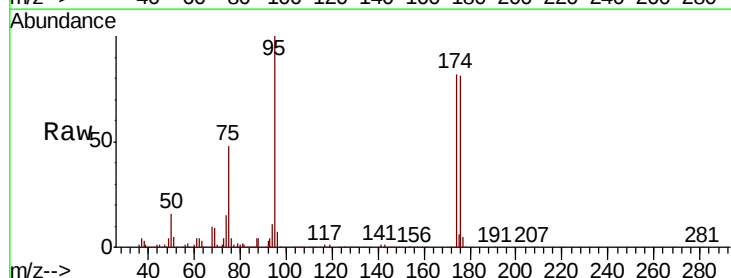
Lab File: VX016540.D

Acq: 01 Jun 2020 19:31

Tgt Ion: 75 Resp: 105308

Ion Ratio Lower Upper

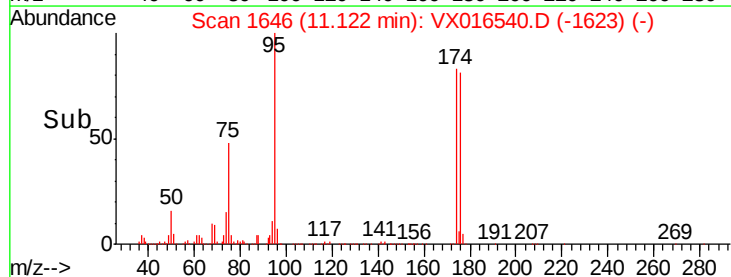
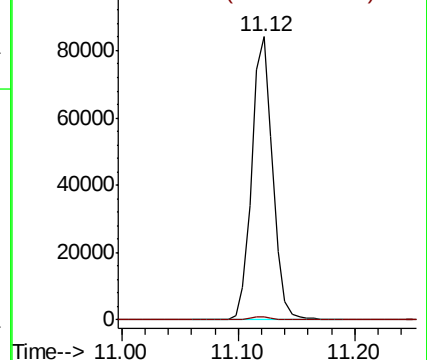
75	100		
77	1.4	21.3	63.7#

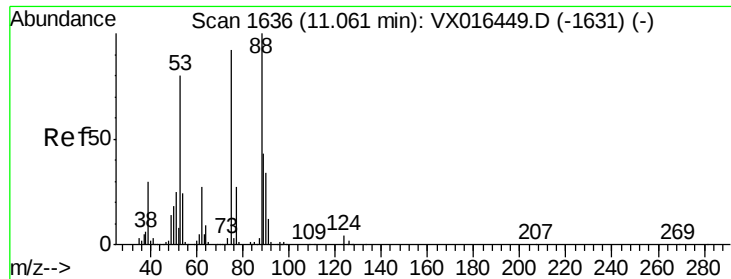


Abundance

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: 52.637 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.06 min
 Lab File: VX016540.D
 Acq: 01 Jun 2020 19:31

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Tot Ion: 75 Resp: 105308
 Ion Ratio Lower Upper
 75 100
 53 0.2 71.3 106.9#
 89 0.0 36.6 55.0#

