

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060120\
 Data File : VX016520.D
 Acq On : 01 Jun 2020 11:57
 Operator : JC/SP
 Sample : L2802-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 Z5-TB1-200527

Quant Time: Jun 02 01:46:26 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	299688	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	481967	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	479282	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	249337	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	173016	46.49	ug/l	0.00
Spiked Amount			Recovery	=	92.98%	
35) Dibromofluoromethane	5.46	113	138148	46.55	ug/l	0.00
Spiked Amount			Recovery	=	93.10%	
50) Toluene-d8	8.70	98	596929	51.68	ug/l	0.00
Spiked Amount			Recovery	=	103.36%	
62) 4-Bromofluorobenzene	11.12	95	243225	54.50	ug/l	0.00
Spiked Amount			Recovery	=	109.00%	

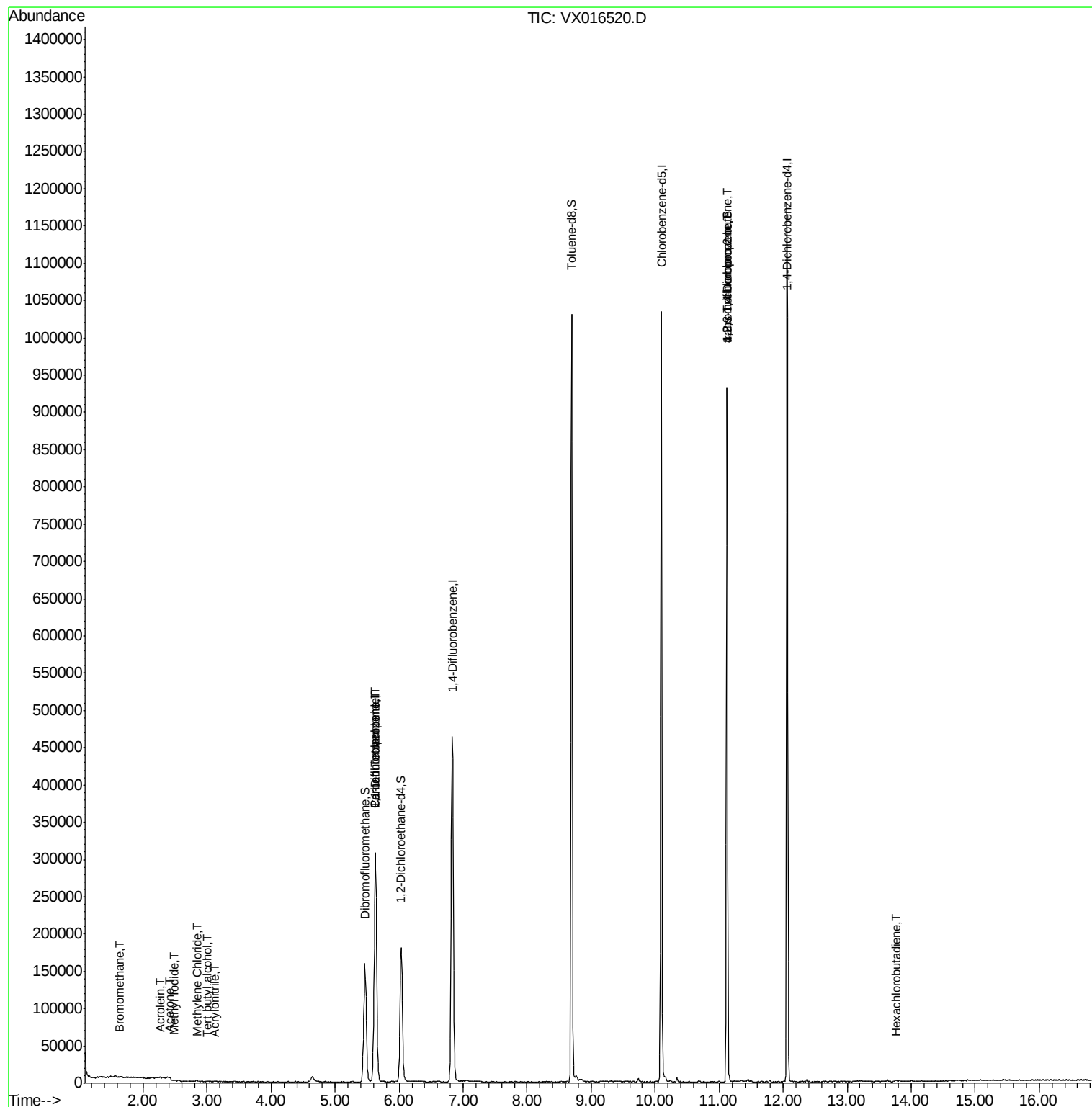
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	413	0.225	ug/l #	41
10) Methyl Iodide	2.50	142	338	3.153	ug/l #	48
11) Tert butyl alcohol	3.01	59	273	0.286	ug/l #	72
13) Acrolein	2.26	56	562	1.384	ug/l	94
15) Acrylonitrile	3.12	53	406	0.208	ug/l #	91
16) Acetone	2.42	43	673	0.413	ug/l #	81
20) Methylene Chloride	2.84	84	759	0.225	ug/l #	80
36) 1,1-Dichloropropene	5.62	75	21263	4.660	ug/l #	51
38) Carbon Tetrachloride	5.63	117	28554	5.954	ug/l #	17
76) 1,2,3-Trichloropropane	11.12	75	117934	21.519	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	117934	52.933	ug/l #	14
94) Hexachlorobutadiene	13.77	225	408	0.206	ug/l	88

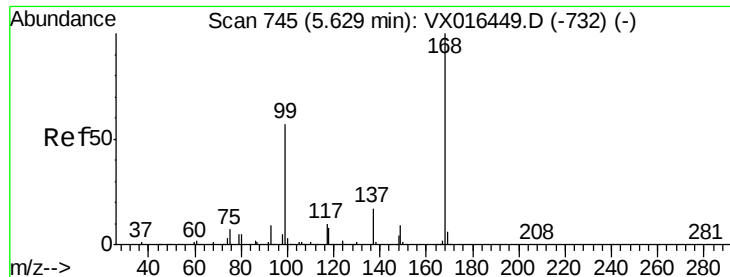
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX016520.D

Acq: 01 Jun 2020 11:57

Instrument :

MSVOA_X

ClientSampleId :

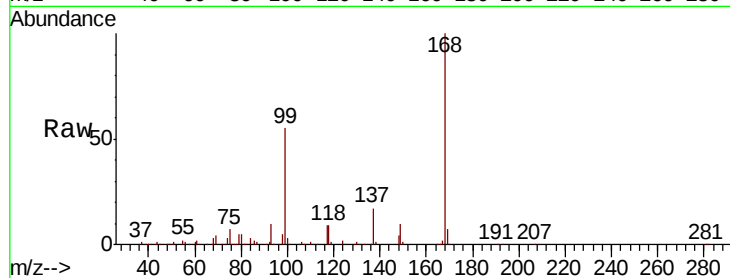
Z5-TB1-200527

Tot Ion:168 Resp: 299688

Ion Ratio Lower Upper

168 100

99 54.9 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

120000

100000

80000

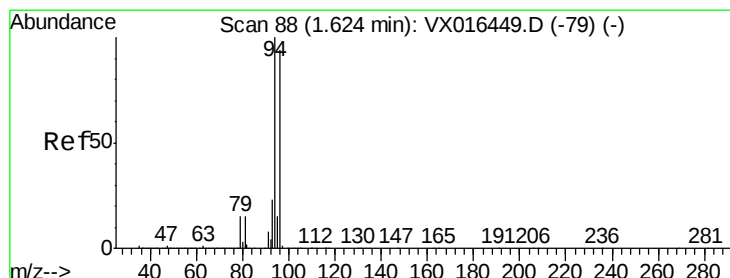
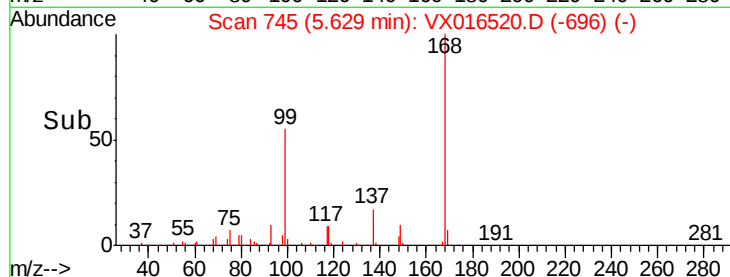
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: 0.225 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX016520.D

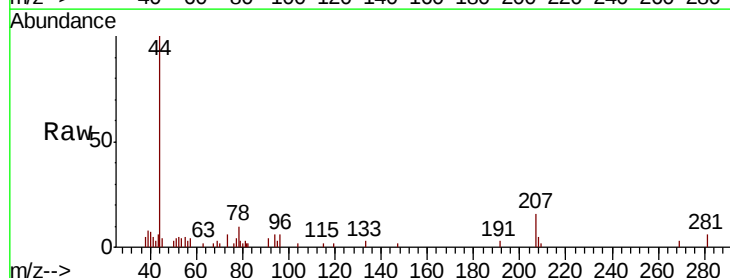
Acq: 01 Jun 2020 11:57

Tgt Ion: 94 Resp: 413

Ion Ratio Lower Upper

94 100

96 36.9 75.1 112.7#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

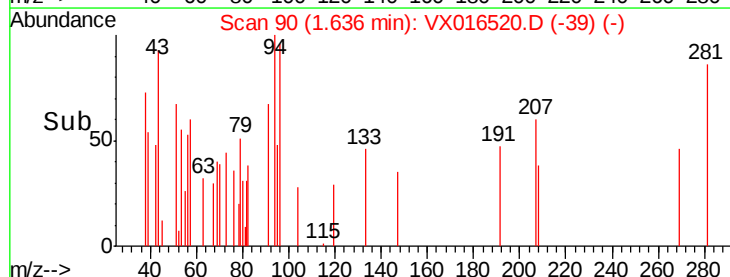
300

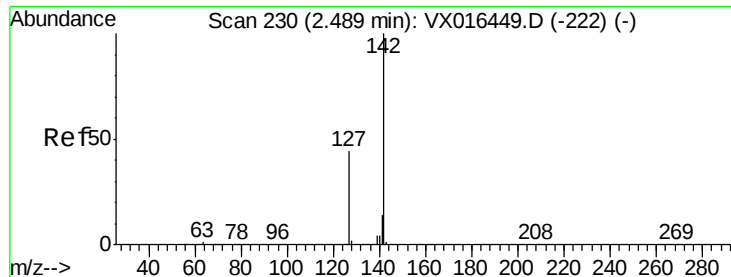
200

100

0

Time-->

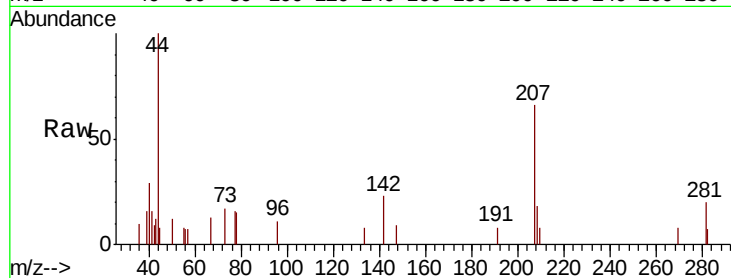




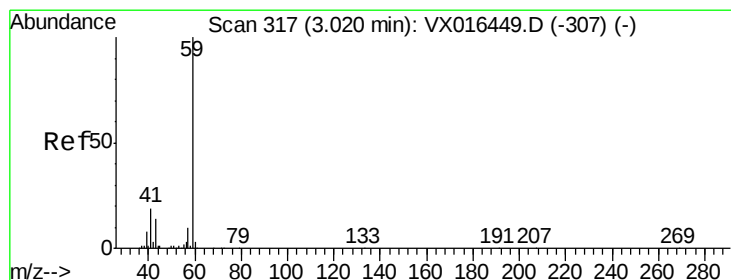
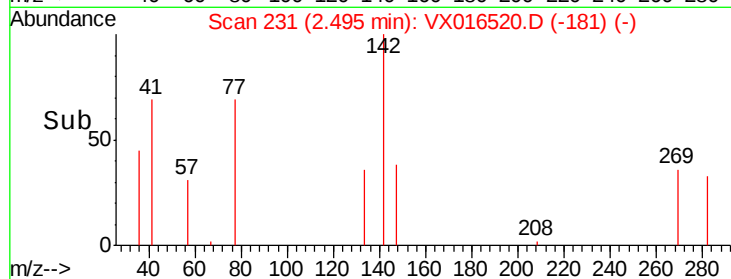
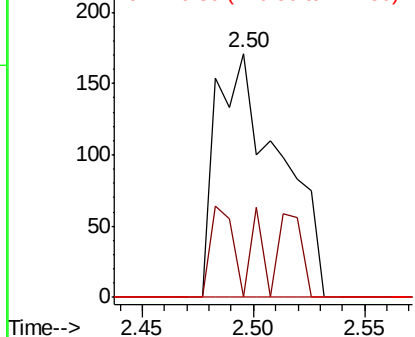
#10
Methyl Iodide
Concen: 3.153 ug/l
RT: 2.50 min Scan# 231
Delta R.T. 0.01 min
Lab File: VX016520.D
Acq: 01 Jun 2020 11:57

Instrument :
MSVOA_X
ClientSampleId :
Z5-TB1-200527

Tot Ion:142 Resp: 338
Ion Ratio Lower Upper
142 100
127 6.8 35.3 52.9#
141 0.0 11.4 17.2#

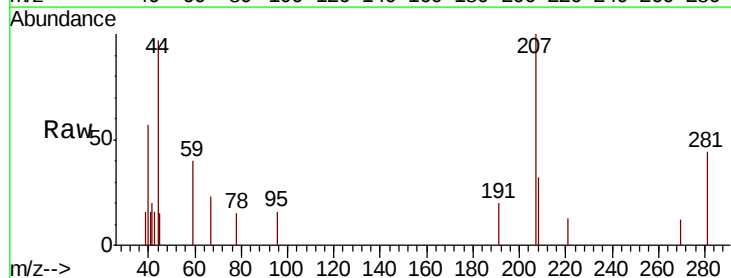


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

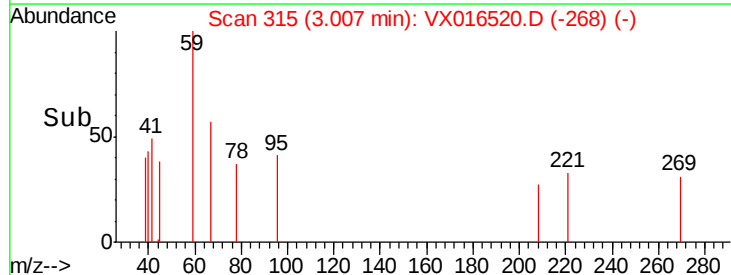
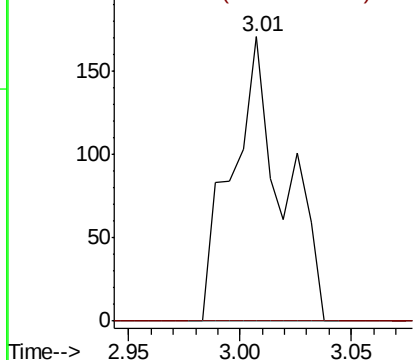


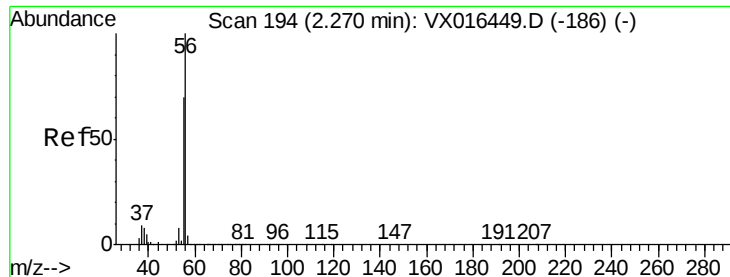
#11
Tert butyl alcohol
Concen: 0.286 ug/l
RT: 3.01 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX016520.D
Acq: 01 Jun 2020 11:57

Tgt Ion: 59 Resp: 273
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: 1.384 ug/l

RT: 2.26 min Scan# 193

Delta R.T. -0.01 min

Lab File: VX016520.D

Acq: 01 Jun 2020 11:57

Instrument :

MSVOA_X

ClientSampleId :

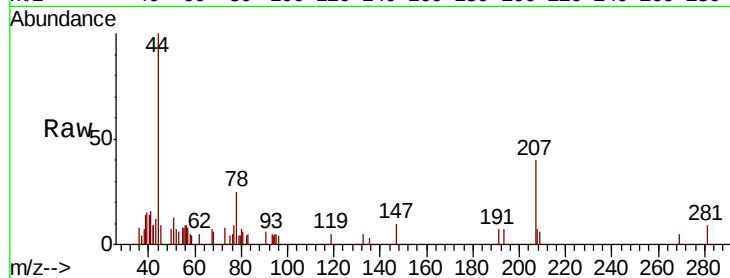
Z5-TB1-200527

Tot Ion: 56 Resp: 562

Ion Ratio Lower Upper

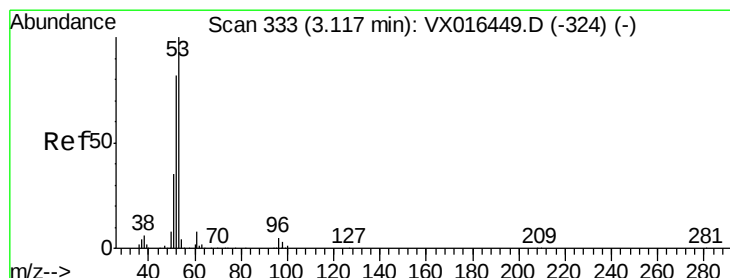
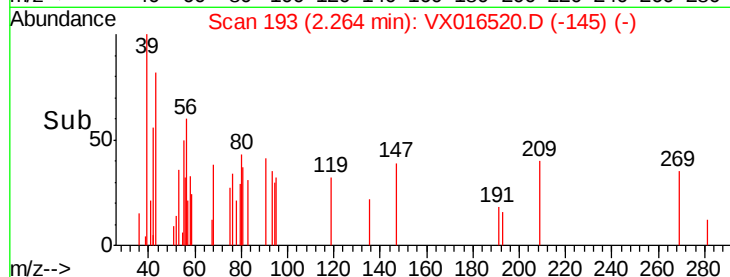
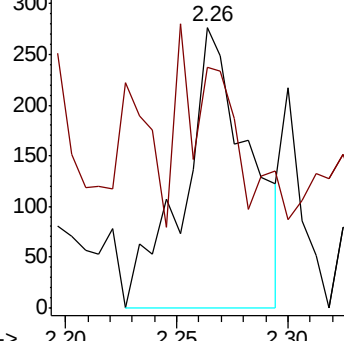
56 100

55 78.1 58.3 87.5



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#15

Acrylonitrile

Concen: 0.208 ug/l

RT: 3.12 min Scan# 333

Delta R.T. -0.00 min

Lab File: VX016520.D

Acq: 01 Jun 2020 11:57

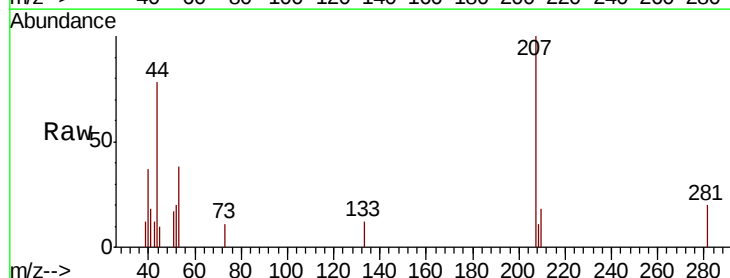
Tgt Ion: 53 Resp: 406

Ion Ratio Lower Upper

53 100

52 89.4 66.7 100.1

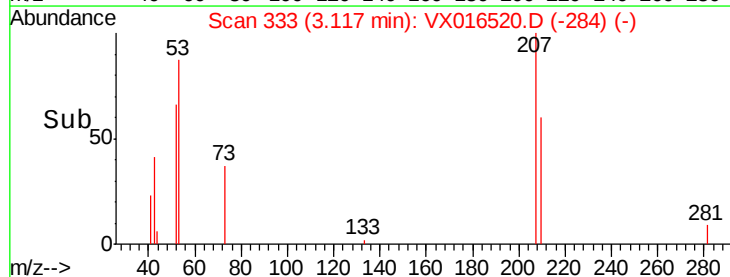
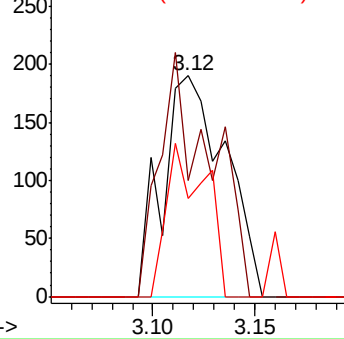
51 43.3 28.6 43.0#

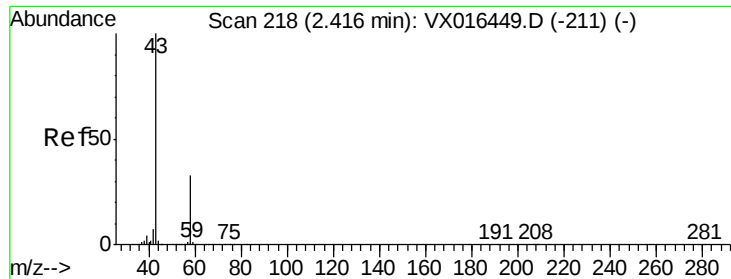


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#16

Acetone

Concen: 0.413 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.00 min

Lab File: VX016520.D

Acq: 01 Jun 2020 11:57

Instrument :

MSVOA_X

ClientSampleId :

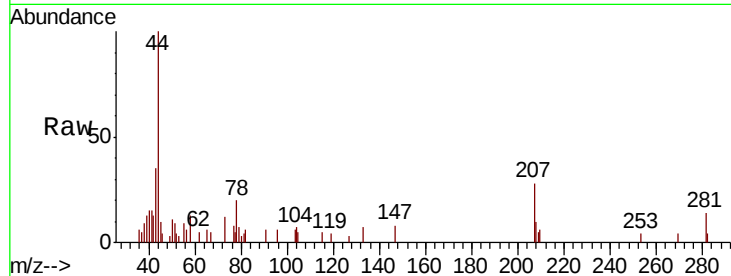
Z5-TB1-200527

Tot Ion: 43 Resp: 673

Ion Ratio Lower Upper

43 100

58 43.0 26.1 39.1#



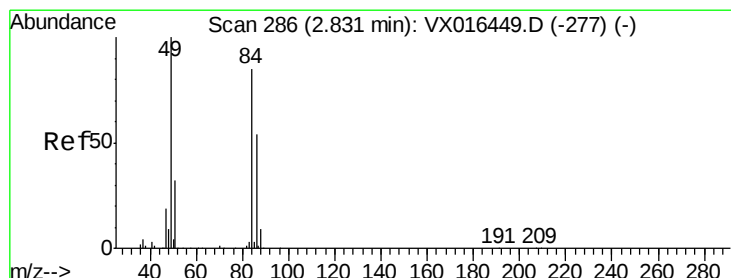
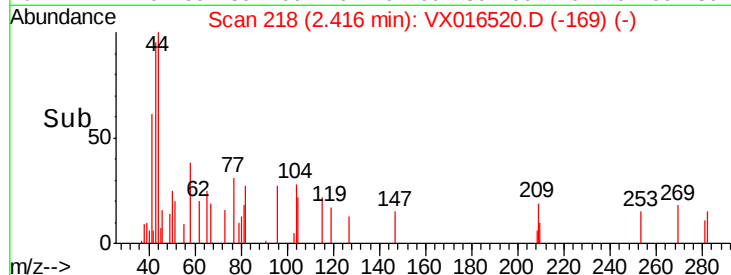
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.42

2.45

Time-->



#20

Methylene Chloride

Concen: 0.225 ug/l

RT: 2.84 min Scan# 287

Delta R.T. 0.01 min

Lab File: VX016520.D

Acq: 01 Jun 2020 11:57

Tgt Ion: 84 Resp: 759

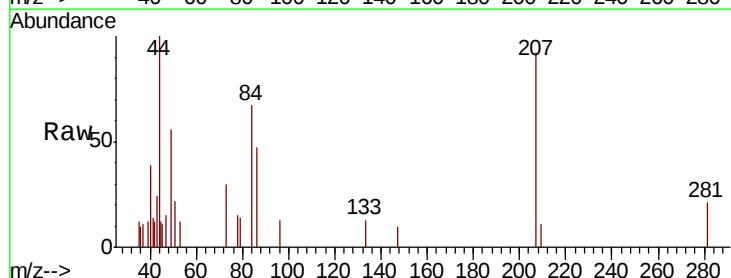
Ion Ratio Lower Upper

84 100

49 84.5 94.5 141.7#

51 32.6 30.2 45.4

86 70.2 51.1 76.7



Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

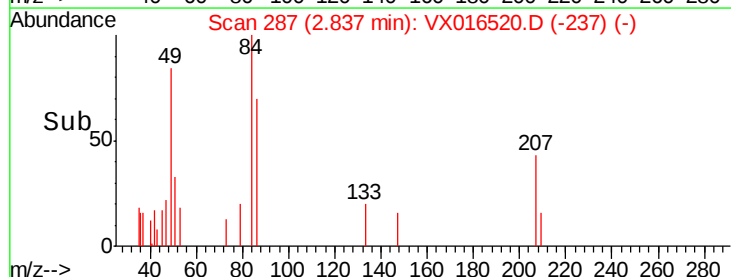
Ion 50.90 (50.60 to 51.60): VX0

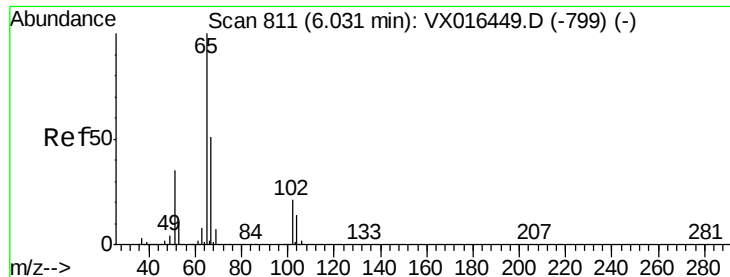
Ion 85.90 (85.60 to 86.60): VX0

2.84

2.85

Time-->





#33

1,2-Dichloroethane-d4

Concen: 46.488 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX016520.D

Acq: 01 Jun 2020 11:57

Instrument :

MSVOA_X

ClientSampleId :

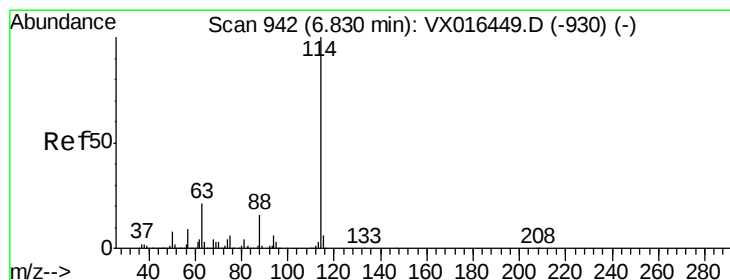
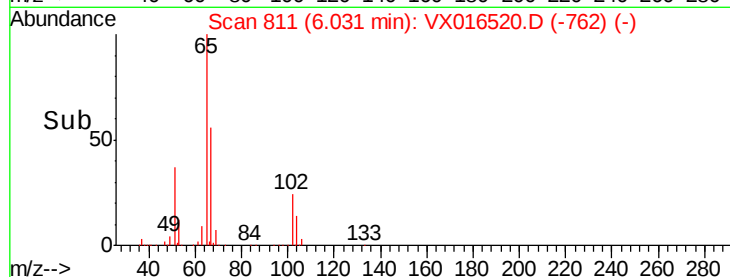
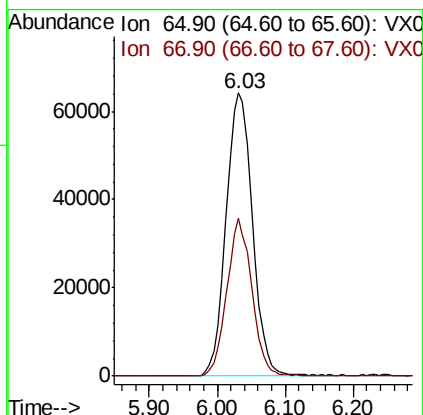
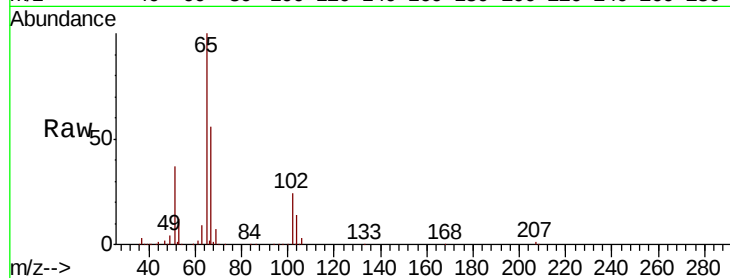
Z5-TB1-200527

Tot Ion: 65 Resp: 173016

Ion Ratio Lower Upper

65 100

67 52.8 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX016520.D

Acq: 01 Jun 2020 11:57

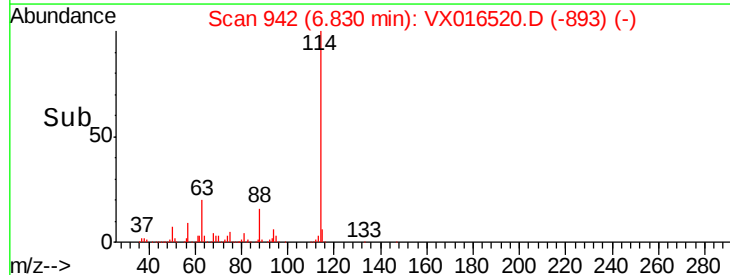
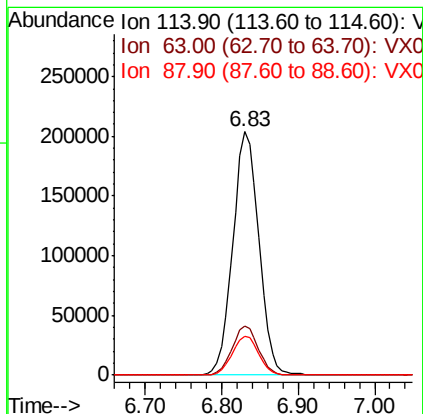
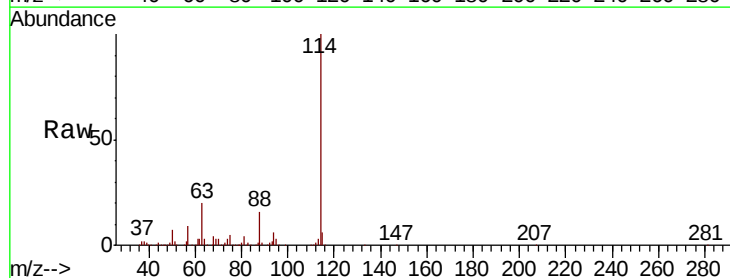
Tgt Ion: 114 Resp: 481967

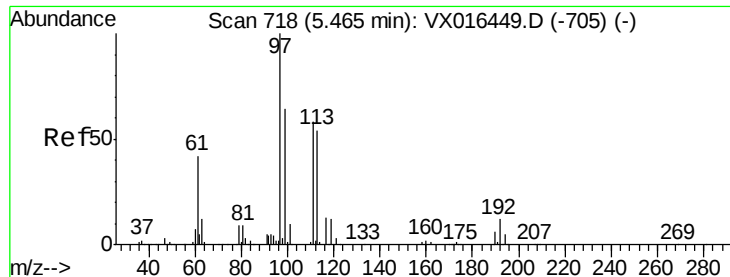
Ion Ratio Lower Upper

114 100

63 20.3 0.0 42.6

88 15.9 0.0 32.8

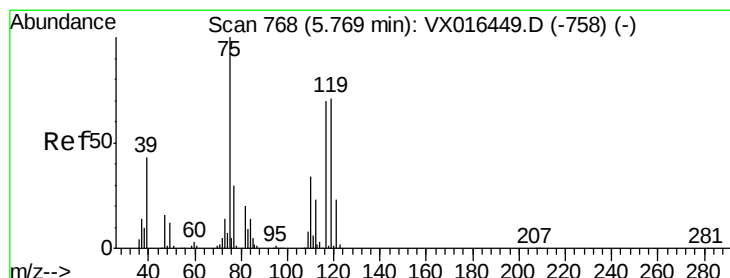
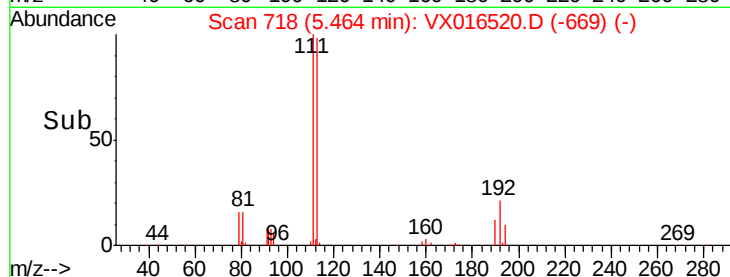
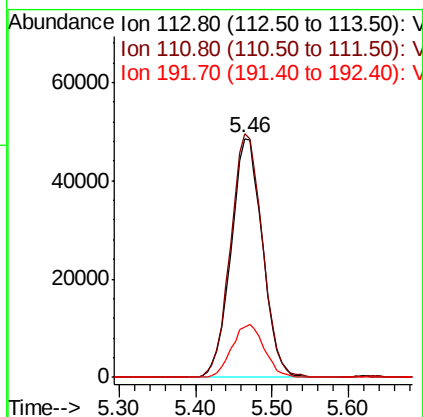
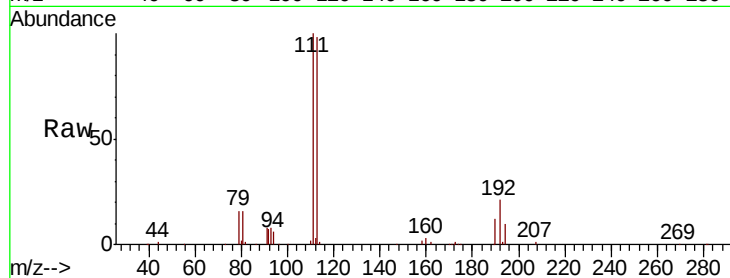




#35
 Dibromofluoromethane
 Concen: 46.551 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. -0.00 min
 Lab File: VX016520.D
 Acq: 01 Jun 2020 11:57

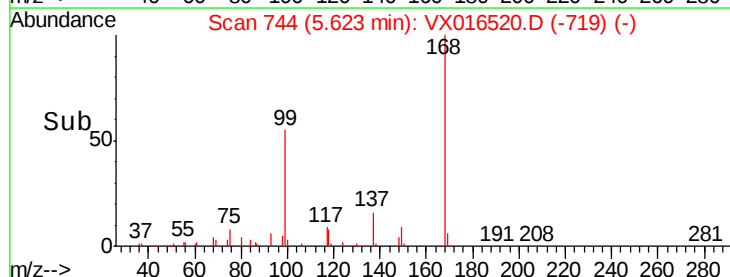
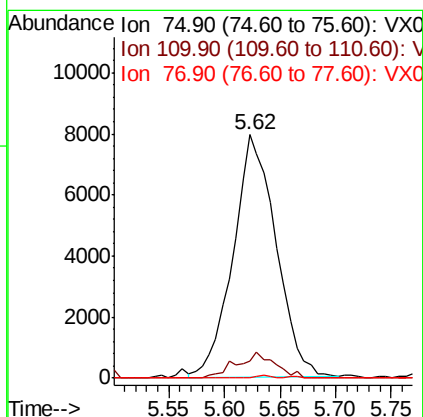
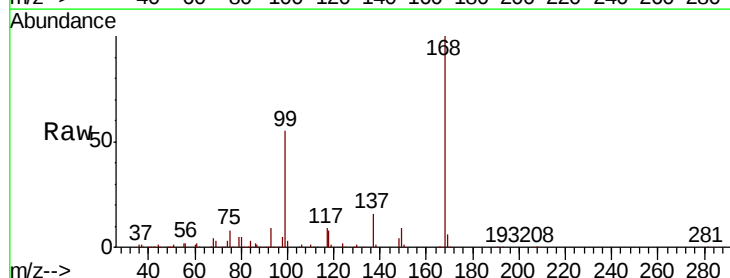
Instrument :
 MSVOA_X
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 Z5-TB1-200527

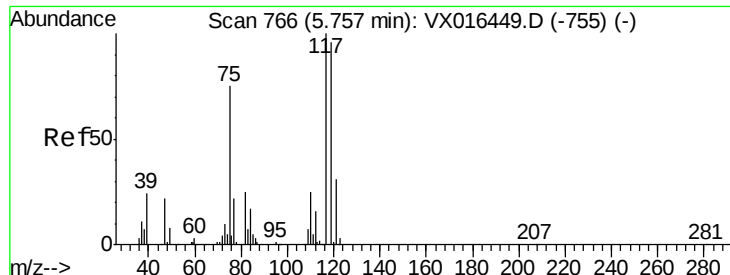
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.4	83.0	124.6
192	22.9	17.7	26.5



#36
 1,1-Dichloropropene
 Concen: 4.660 ug/l
 RT: 5.62 min Scan# 744
 Delta R.T. -0.15 min
 Lab File: VX016520.D
 Acq: 01 Jun 2020 11:57

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.6	17.4	52.3#
77	0.3	24.2	36.4#

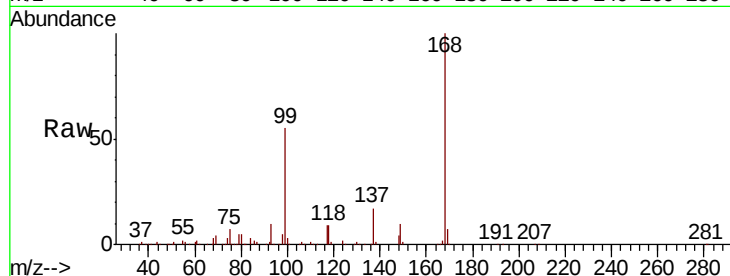




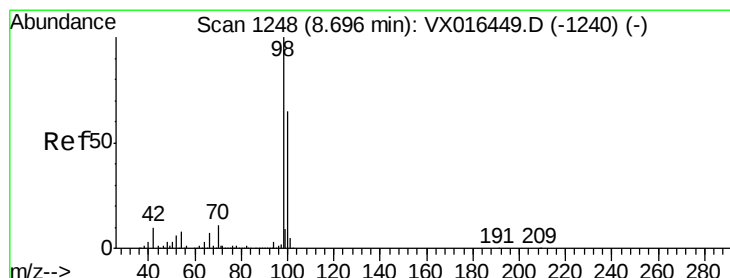
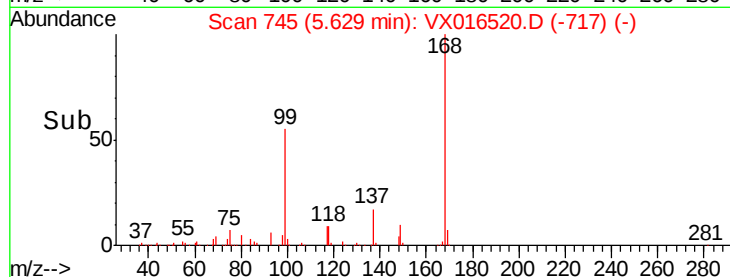
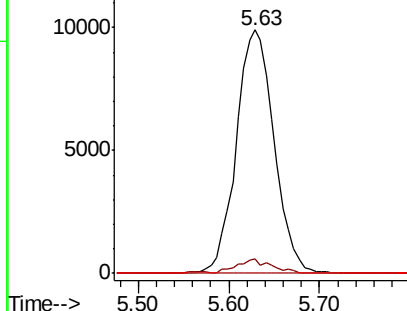
#38
Carbon Tetrachloride
Concen: 5.954 ug/l
RT: 5.63 min Scan# 745
Delta R.T. -0.13 min
Lab File: VX016520.D
Acq: 01 Jun 2020 11:57

Instrument :
MSVOA_X
ClientSampled :
Z5-TB1-200527

Tot Ion:117 Resp: 28554
Ion Ratio Lower Upper
117 100
119 6.0 76.3 114.5#
121 0.0 24.6 37.0#

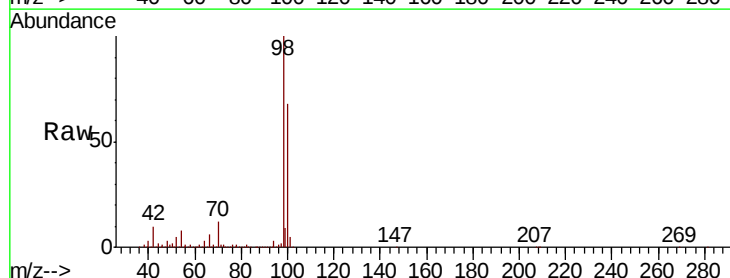


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

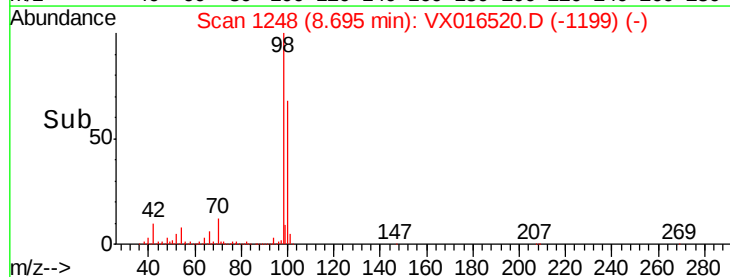
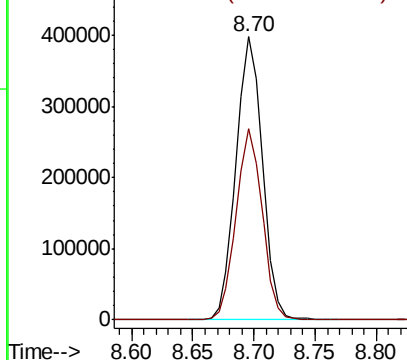


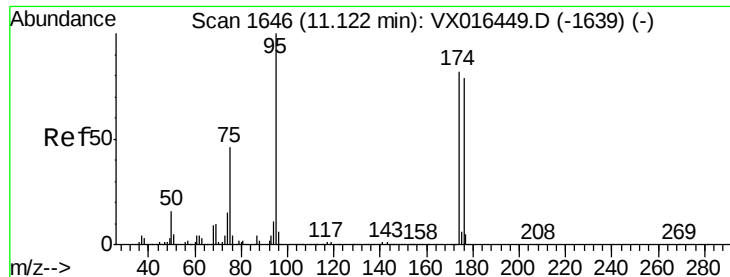
#50
Toluene-d8
Concen: 51.678 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX016520.D
Acq: 01 Jun 2020 11:57

Tgt Ion: 98 Resp: 596929
Ion Ratio Lower Upper
98 100
100 66.7 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 54.495 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016520.D

Acq: 01 Jun 2020 11:57

Instrument :

MSVOA_X

ClientSampleId :

Z5-TB1-200527

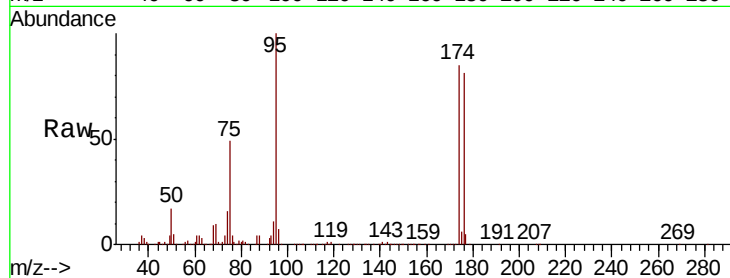
Tot Ion: 95 Resp: 243225

Ion Ratio Lower Upper

95 100

174 82.1 0.0 163.0

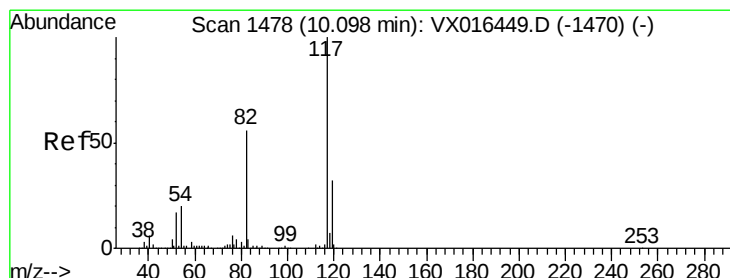
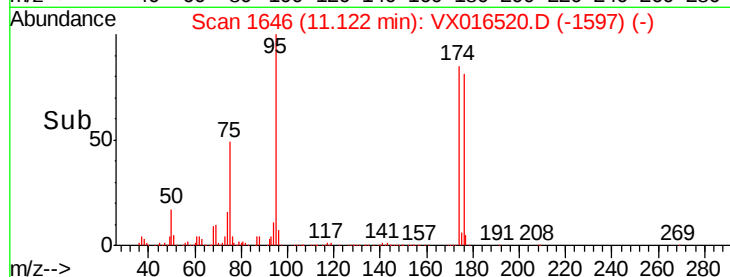
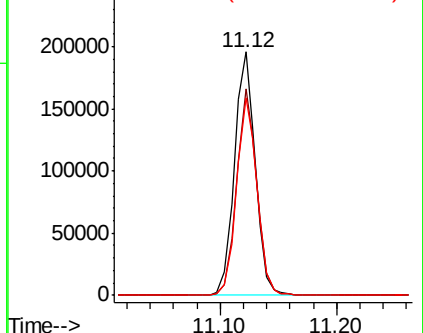
176 80.1 0.0 156.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): VX0

Ion 175.80 (175.50 to 176.50): VX0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX016520.D

Acq: 01 Jun 2020 11:57

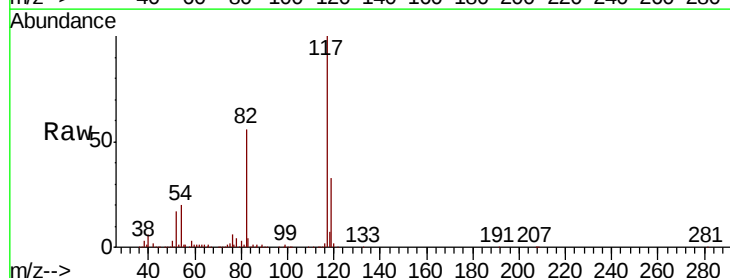
Tgt Ion: 117 Resp: 479282

Ion Ratio Lower Upper

117 100

82 55.6 45.0 67.6

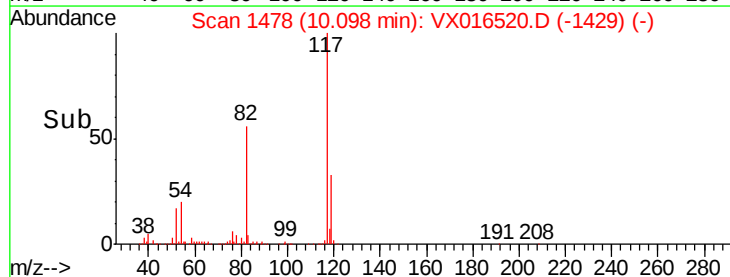
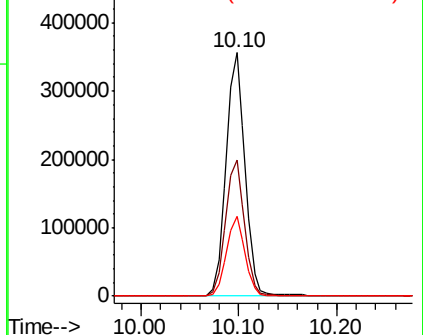
119 32.9 25.8 38.8

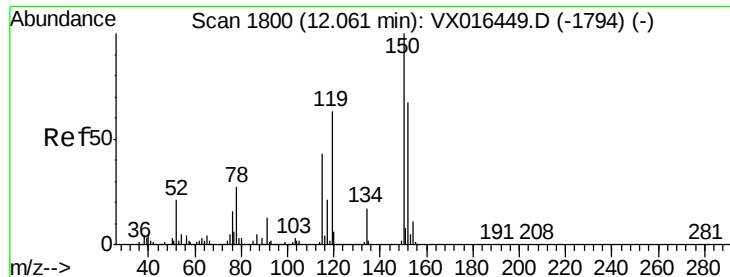


Abundance Ion 116.90 (116.60 to 117.60): VX0

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): VX0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016520.D

Acq: 01 Jun 2020 11:57

Instrument :

MSVOA_X

ClientSampleId :

Z5-TB1-200527

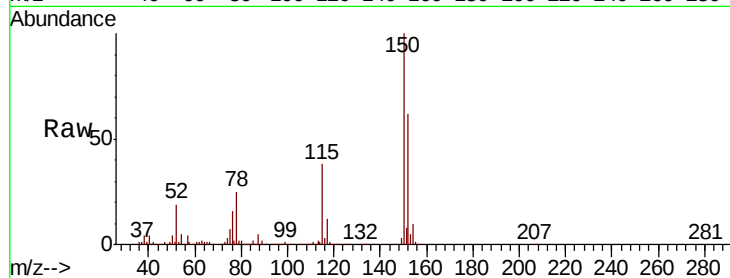
Tot Ion:152 Resp: 249337

Ion Ratio Lower Upper

152 100

115 59.0 39.9 119.6

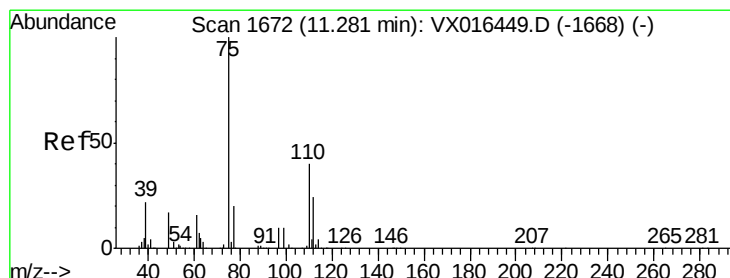
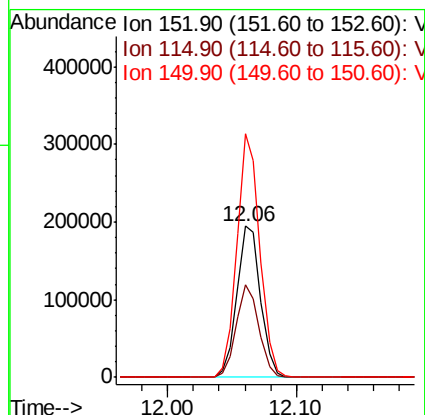
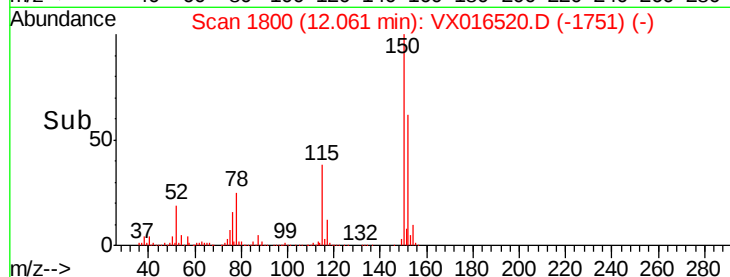
150 155.5 0.0 341.0



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



#76

1,2,3-Trichloropropane

Concen: 21.519 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016520.D

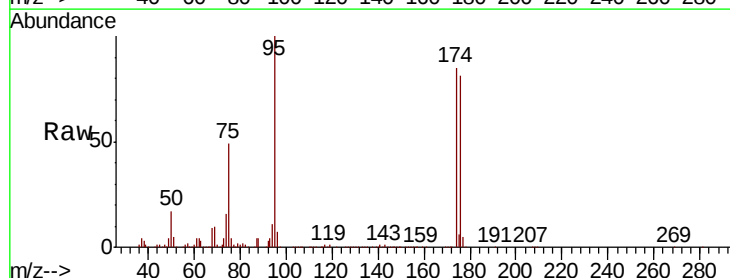
Acq: 01 Jun 2020 11:57

Tgt Ion: 75 Resp: 117934

Ion Ratio Lower Upper

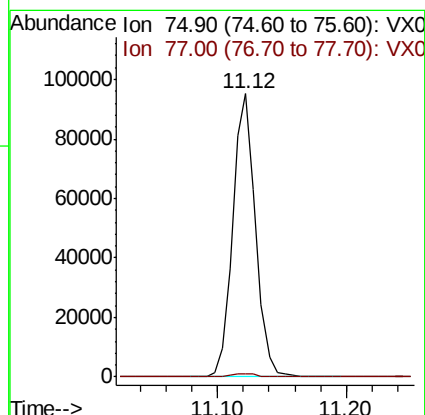
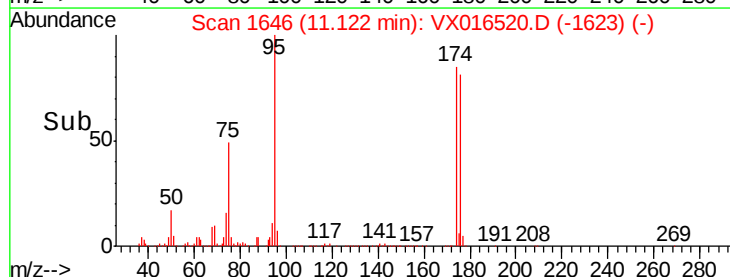
75 100

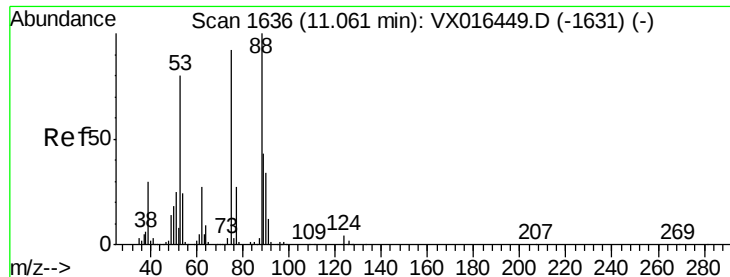
77 1.3 21.3 63.7#



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: 52.933 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016520.D

Acq: 01 Jun 2020 11:57

Instrument :

MSVOA_X

ClientSampleId :

Z5-TB1-200527

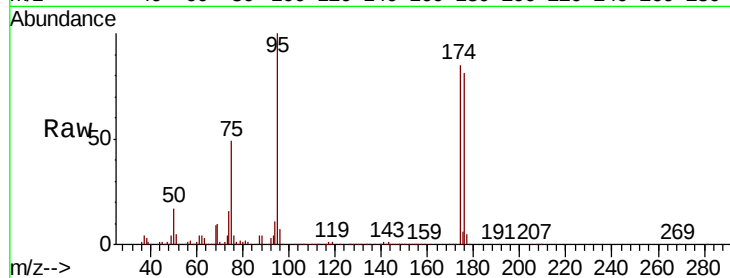
Tot Ion: 75 Resp: 117934

Ion Ratio Lower Upper

75 100

53 0.0 71.3 106.9#

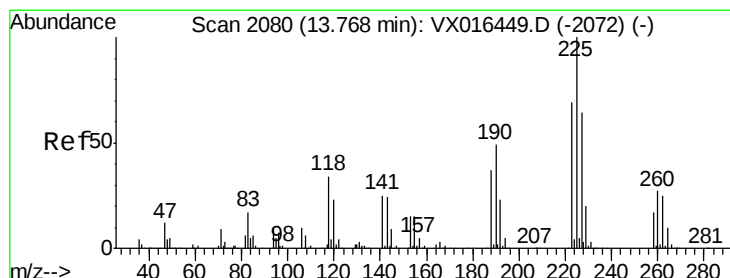
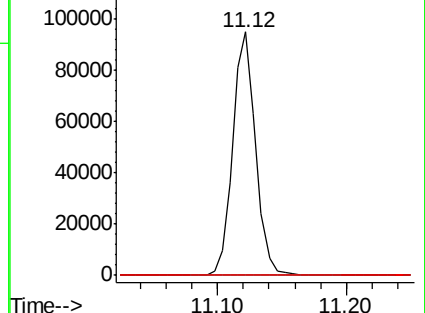
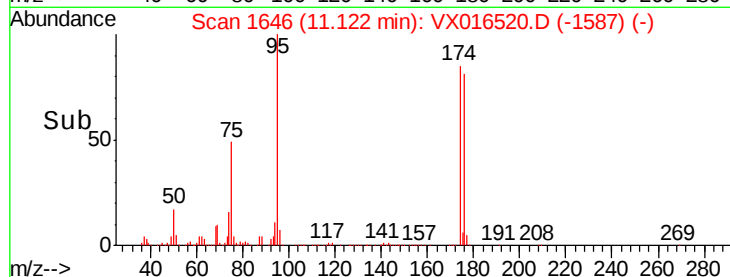
89 0.0 36.6 55.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#94

Hexachlorobutadiene

Concen: 0.206 ug/l

RT: 13.77 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX016520.D

Acq: 01 Jun 2020 11:57

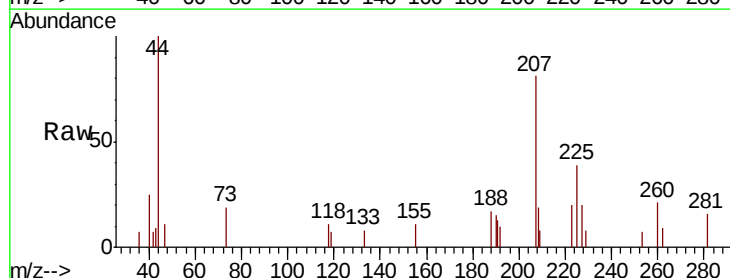
Tgt Ion: 225 Resp: 408

Ion Ratio Lower Upper

225 100

223 58.1 32.3 96.8

227 51.2 31.6 94.7



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

