

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060120\
 Data File : VX016538.D
 Acq On : 01 Jun 2020 18:45
 Operator : JC/SP
 Sample : L2801-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 Z5-DUP-0563-200528

Quant Time: Jun 02 01:50:10 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	258933	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	418199	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	420455	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	225340	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	153298	47.67	ug/l	0.00
Spiked Amount			Recovery	=	95.34%	
35) Dibromofluoromethane	5.46	113	121223	47.08	ug/l	0.00
Spiked Amount			Recovery	=	94.16%	
50) Toluene-d8	8.70	98	520447	51.93	ug/l	0.00
Spiked Amount			Recovery	=	103.86%	
62) 4-Bromofluorobenzene	11.12	95	213772	55.20	ug/l	0.00
Spiked Amount			Recovery	=	110.40%	

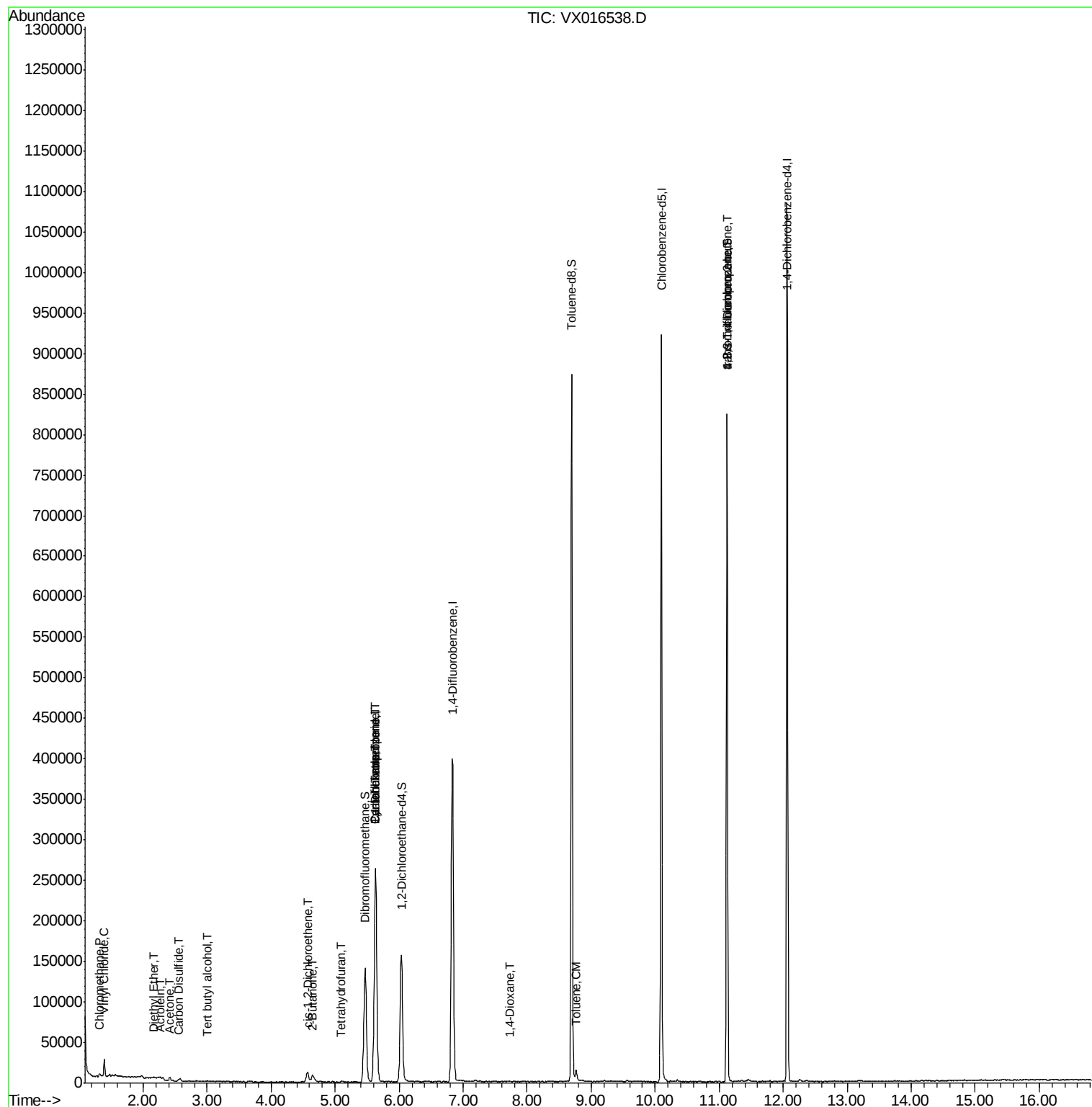
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1520	0.494	ug/l	92
4) Vinyl Chloride	1.39	62	11840	3.636	ug/l	98
8) Diethyl Ether	2.17	74	369	0.207	ug/l	70
11) Tert butyl alcohol	3.01	59	669	0.811	ug/l #	85
13) Acrolein	2.27	56	219	0.624	ug/l #	46
16) Acetone	2.42	43	4670	3.315	ug/l	100
17) Carbon Disulfide	2.55	76	2475	0.335	ug/l #	93
25) 2-Butanone	4.64	43	641	0.269	ug/l #	49
27) cis-1,2-Dichloroethene	4.57	96	7594	2.382	ug/l	90
29) Tetrahydrofuran	5.09	42	331	0.215	ug/l #	53
31) Cyclohexane	5.63	56	4645	1.039	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	18510	4.675	ug/l #	51
38) Carbon Tetrachloride	5.63	117	24823	5.966	ug/l #	16
49) 1,4-Dioxane	7.72	88	121	1.456	ug/l #	52
52) Toluene	8.76	92	4296	0.578	ug/l	100
76) 1,2,3-Trichloropropane	11.12	75	103218	20.839	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	103218	51.261	ug/l #	14

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X052720W.M
Quant Title : SW846 8260
QLast Update : Wed May 27 16:31:05 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: VX016538.D

Acq: 01 Jun 2020 18:45

Instrument :

MSVOA_X

ClientSampleId :

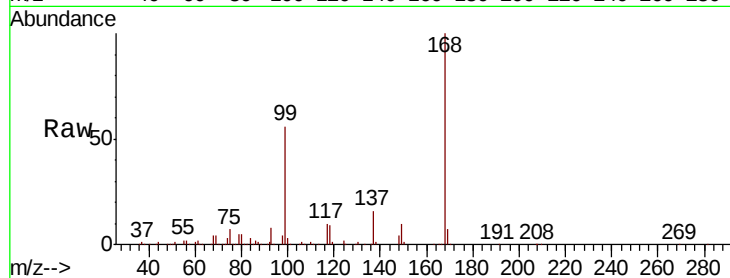
Z5-DUP-0563-200528

Tot Ion:168 Resp: 258933

Ion Ratio Lower Upper

168 100

99 56.4 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

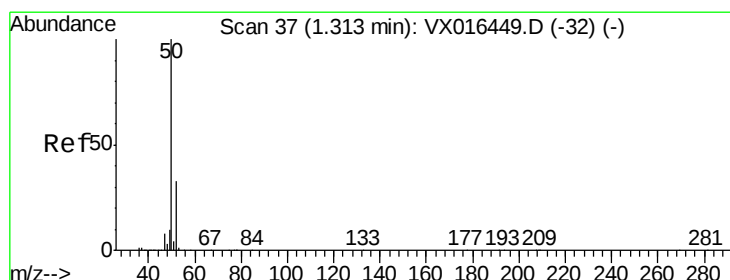
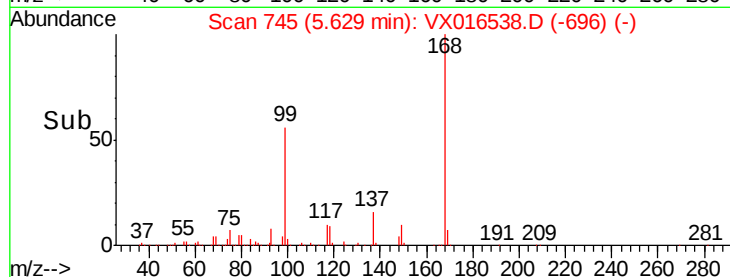
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.494 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX016538.D

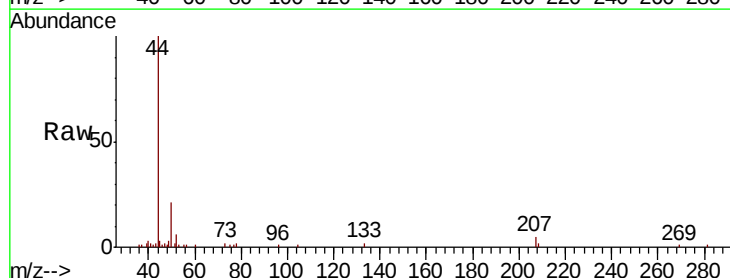
Acq: 01 Jun 2020 18:45

Tgt Ion: 50 Resp: 1520

Ion Ratio Lower Upper

50 100

52 28.3 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

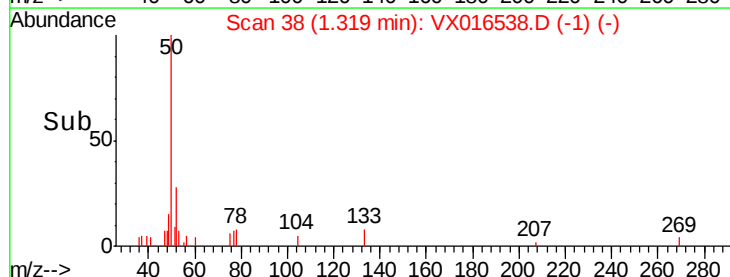
1500

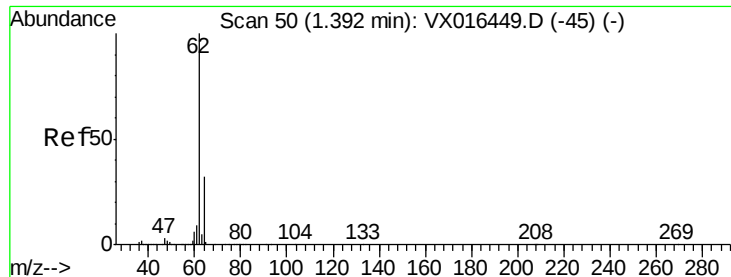
1000

500

0

Time-->





#4

Vinyl Chloride

Concen: 3.636 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX016538.D

Acq: 01 Jun 2020 18:45

Instrument :

MSVOA_X

ClientSampleId :

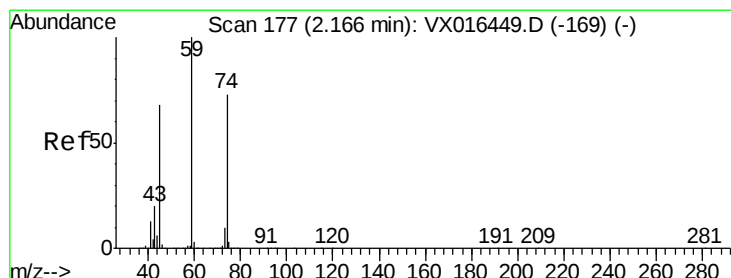
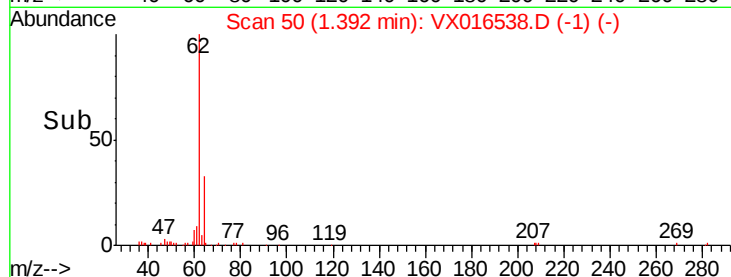
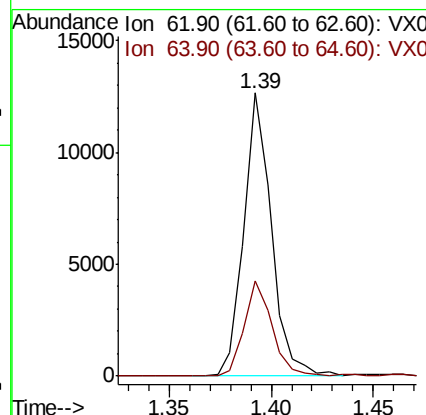
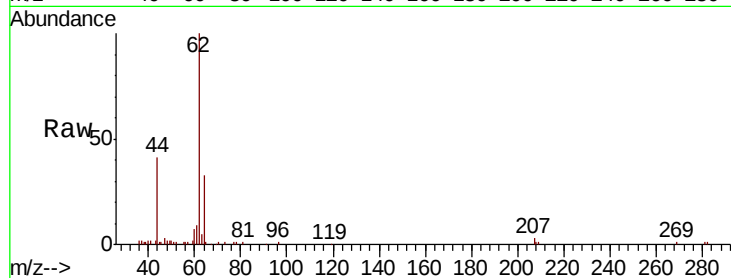
Z5-DUP-0563-200528

Tot Ion: 62 Resp: 11840

Ion Ratio Lower Upper

62 100

64 33.5 25.9 38.9



#8

Diethyl Ether

Concen: 0.207 ug/l

RT: 2.17 min Scan# 177

Delta R.T. -0.00 min

Lab File: VX016538.D

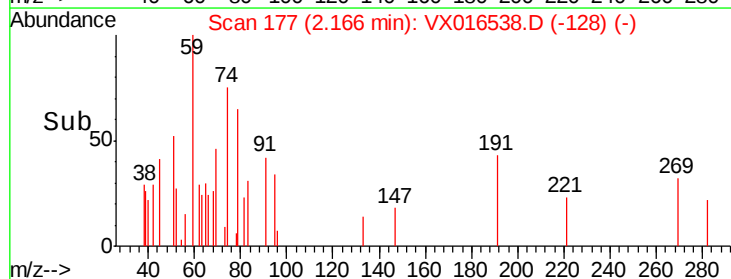
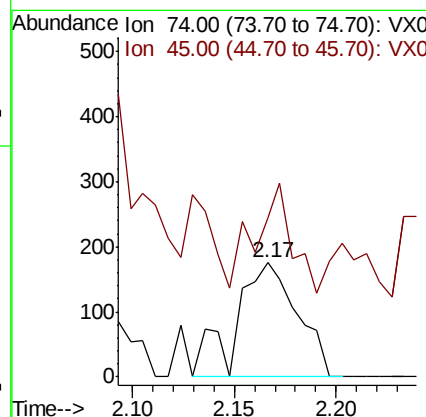
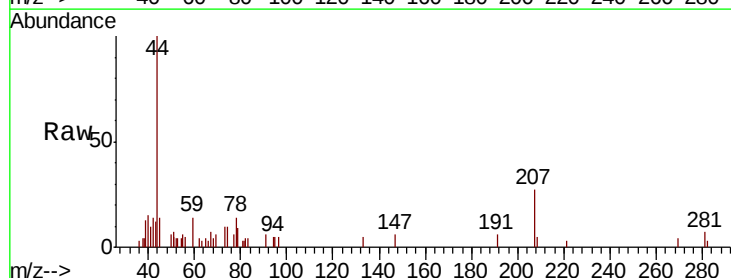
Acq: 01 Jun 2020 18:45

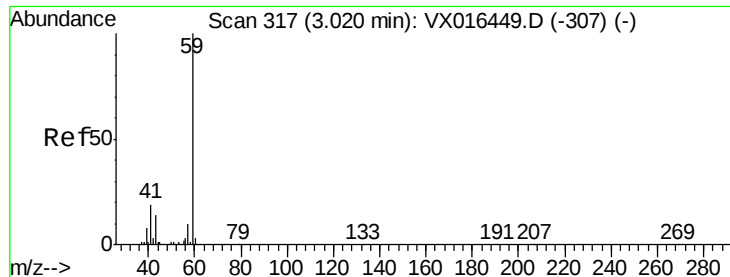
Tgt Ion: 74 Resp: 369

Ion Ratio Lower Upper

74 100

45 65.9 47.5 142.5

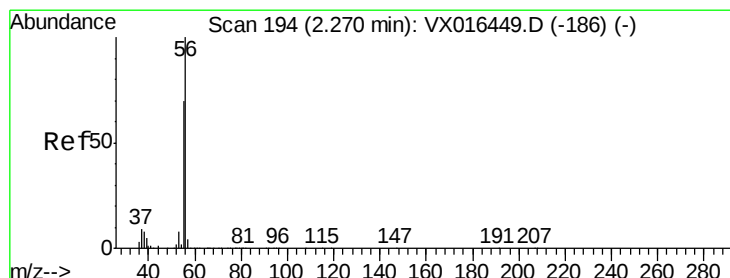
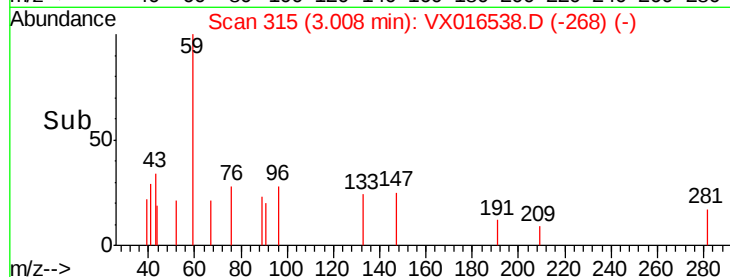
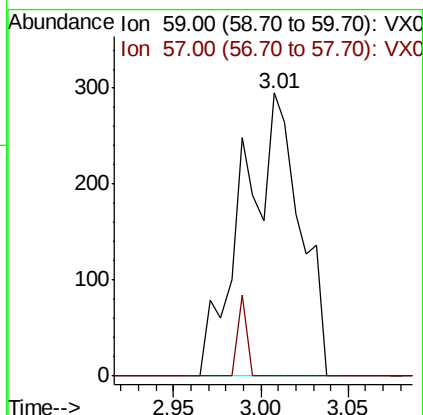
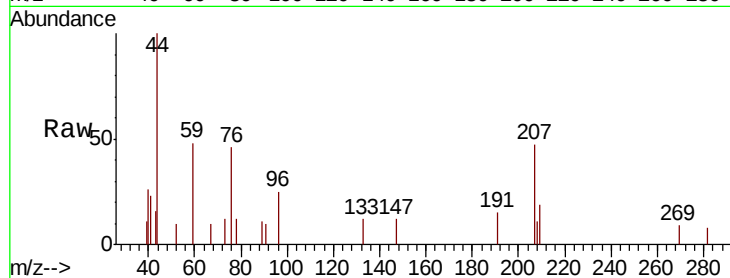




#11
Tert butyl alcohol
Concen: 0.811 ug/l
RT: 3.01 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX016538.D
Acq: 01 Jun 2020 18:45

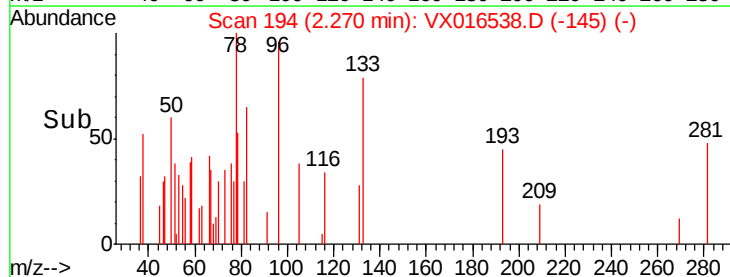
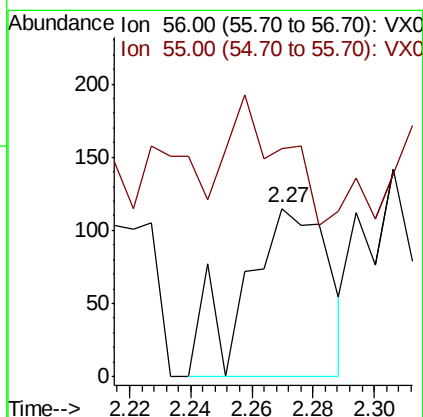
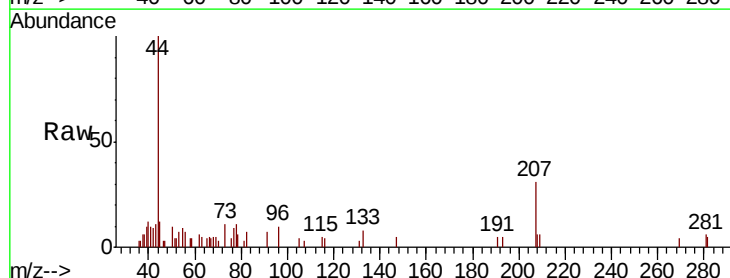
Instrument :
MSVOA_X
ClientSampleId :
Z5-DUP-0563-200528

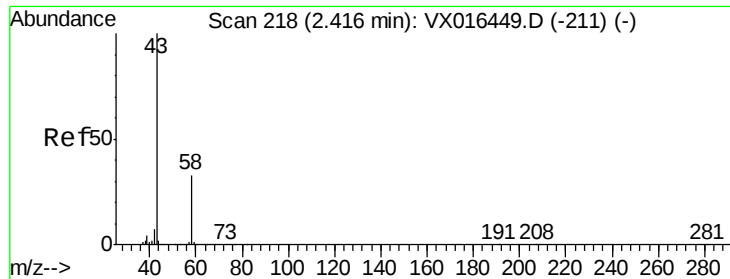
Tot Ion: 59 Resp: 669
Ion Ratio Lower Upper
59 100
57 4.6 8.2 12.4#



#13
Acrolein
Concen: 0.624 ug/l
RT: 2.27 min Scan# 194
Delta R.T. -0.00 min
Lab File: VX016538.D
Acq: 01 Jun 2020 18:45

Tgt Ion: 56 Resp: 219
Ion Ratio Lower Upper
56 100
55 118.3 58.3 87.5#





#16

Acetone

Concen: 3.315 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.00 min

Lab File: VX016538.D

Acq: 01 Jun 2020 18:45

Instrument :

MSVOA_X

ClientSampleId :

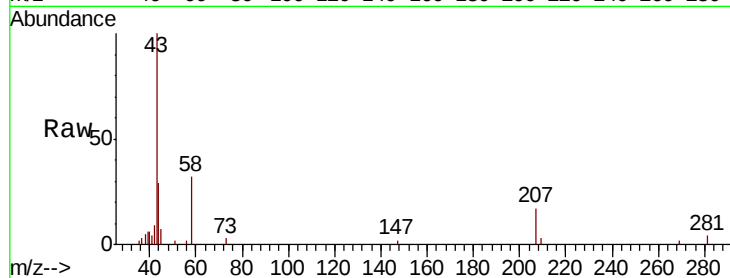
Z5-DUP-0563-200528

Tot Ion: 43 Resp: 4670

Ion Ratio Lower Upper

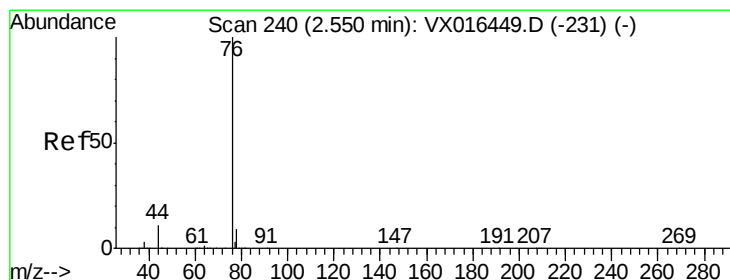
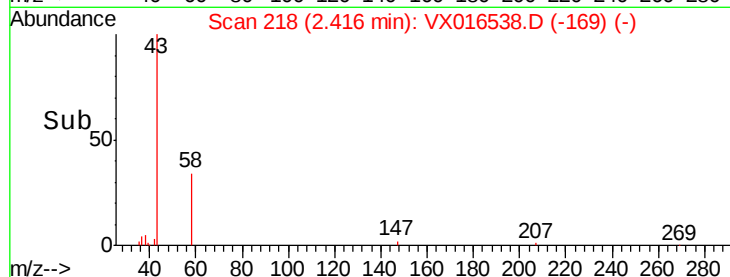
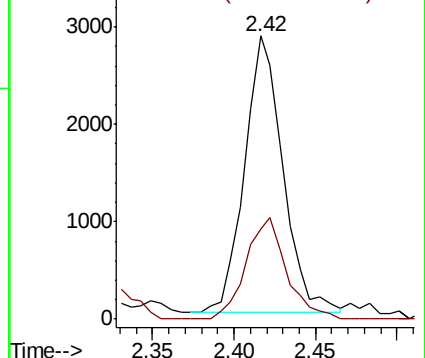
43 100

58 32.7 26.1 39.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.335 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VX016538.D

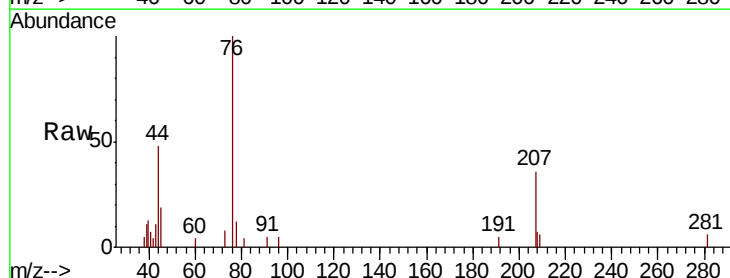
Acq: 01 Jun 2020 18:45

Tgt Ion: 76 Resp: 2475

Ion Ratio Lower Upper

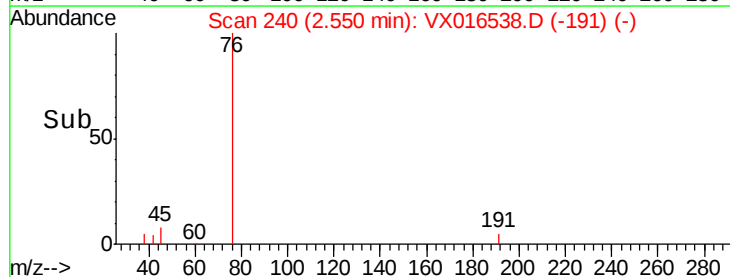
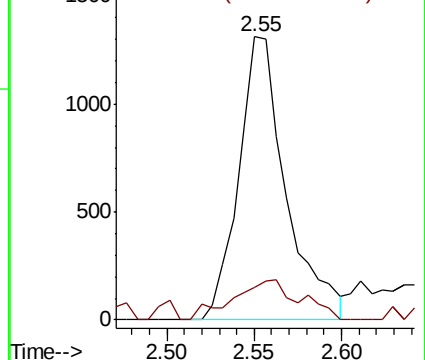
76 100

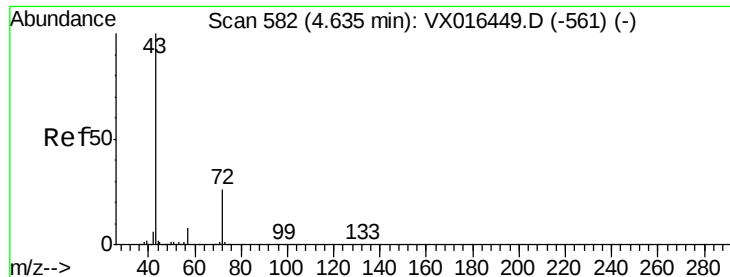
78 11.7 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0





#25

2-Butanone

Concen: 0.269 ug/l

RT: 4.64 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX016538.D

Acq: 01 Jun 2020 18:45

Instrument :

MSVOA_X

ClientSampleId :

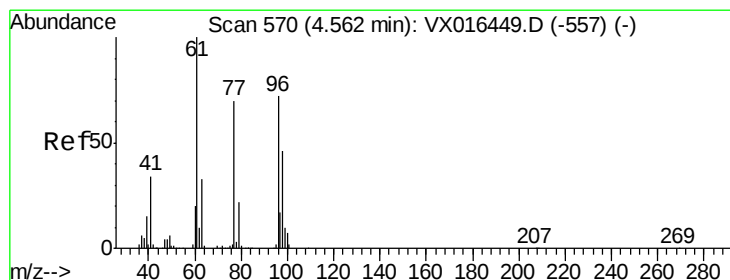
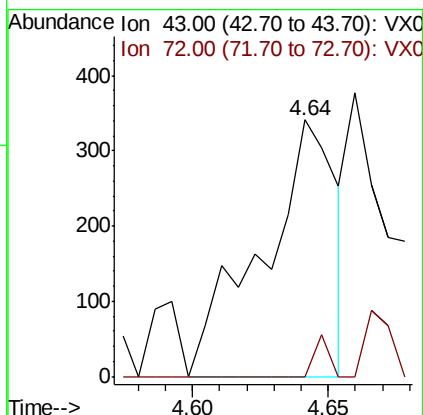
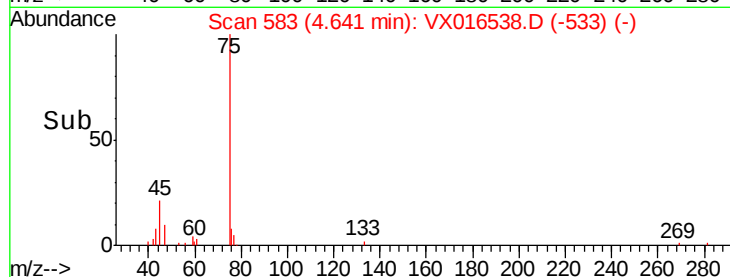
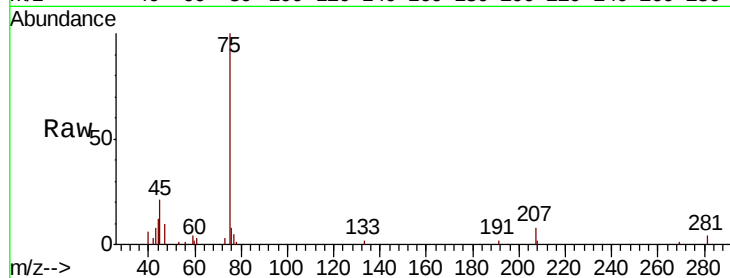
Z5-DUP-0563-200528

Tot Ion: 43 Resp: 641

Ion Ratio Lower Upper

43 100

72 0.0 21.0 31.6#



#27

cis-1,2-Dichloroethene

Concen: 2.382 ug/l

RT: 4.57 min Scan# 571

Delta R.T. 0.01 min

Lab File: VX016538.D

Acq: 01 Jun 2020 18:45

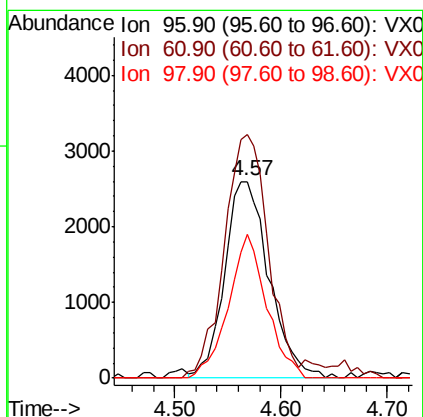
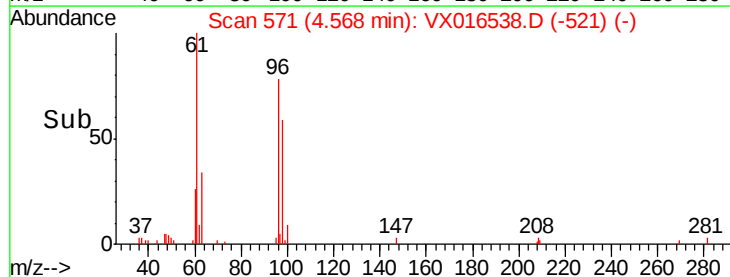
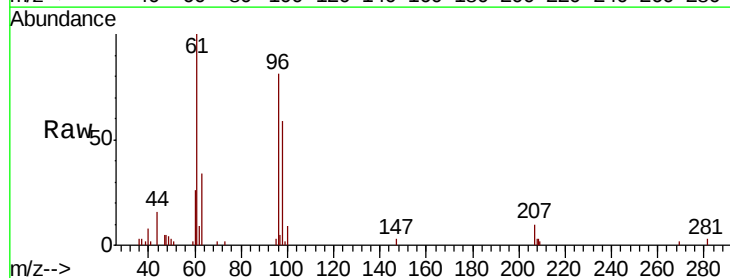
Tgt Ion: 96 Resp: 7594

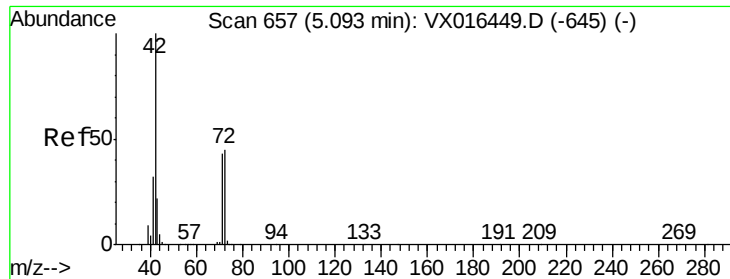
Ion Ratio Lower Upper

96 100

61 125.8 0.0 284.6

98 62.8 0.0 127.2

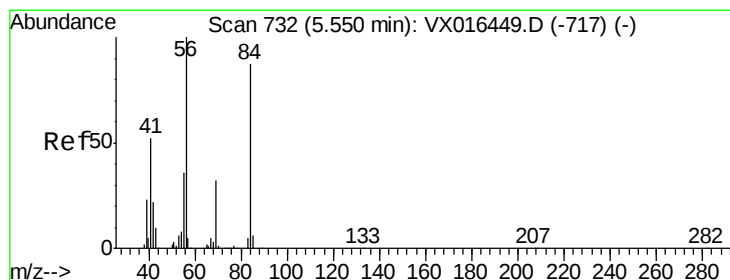
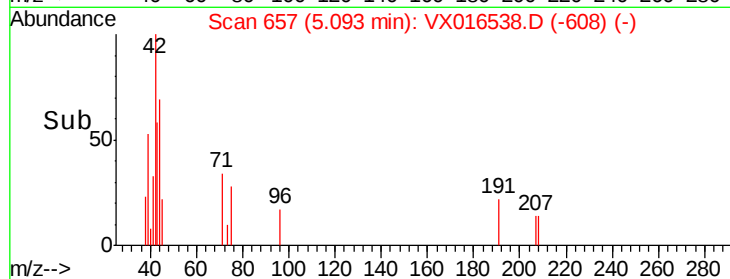
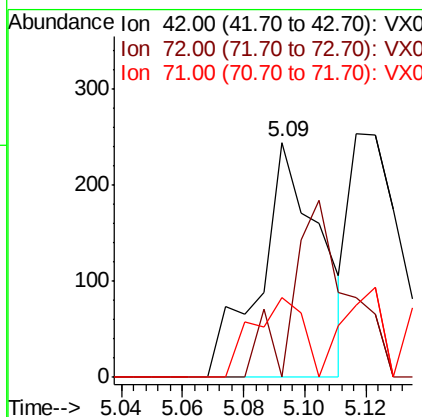
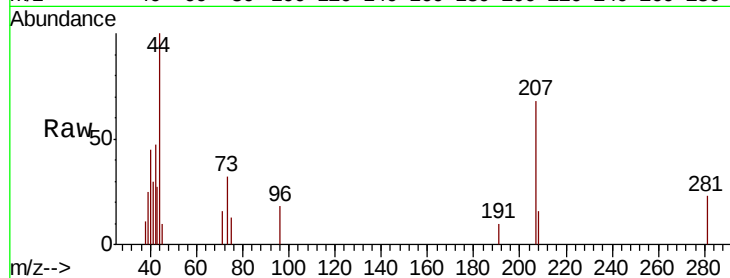




#29
Tetrahydrofuran
Concen: 0.215 ug/l
RT: 5.09 min Scan# 657
Delta R.T. -0.00 min
Lab File: VX016538.D
Acq: 01 Jun 2020 18:45

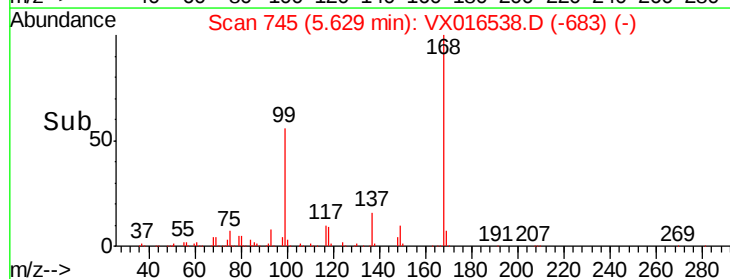
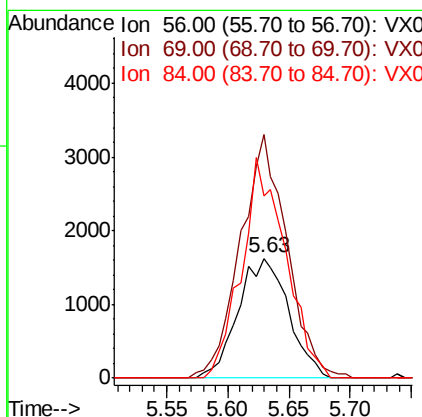
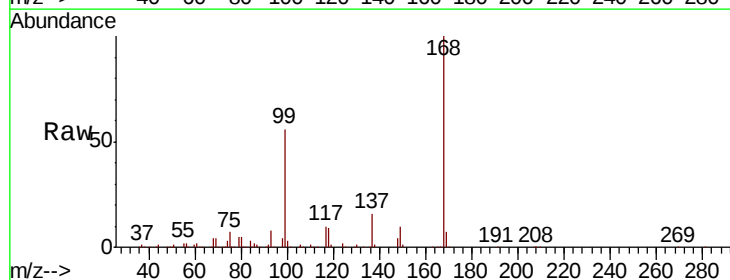
Instrument :
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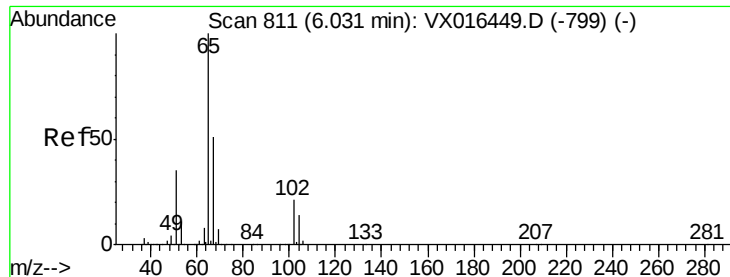
Tot Ion	Ratio	Lower	Upper
42	100		
72	0.0	37.0	55.4#
71	28.4	34.1	51.1#



#31
Cyclohexane
Concen: 1.039 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX016538.D
Acq: 01 Jun 2020 18:45

Tgt Ion	Ratio	Lower	Upper
56	100		
69	203.0	25.7	38.5#
84	151.8	70.0	105.0#





#33

1,2-Dichloroethane-d4

Concen: 47.673 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.01 min

Lab File: VX016538.D

Acq: 01 Jun 2020 18:45

Instrument :

MSVOA_X

ClientSampleId :

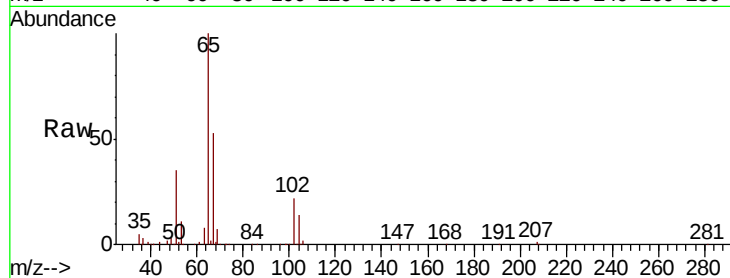
Z5-DUP-0563-200528

Tot Ion: 65 Resp: 153298

Ion Ratio Lower Upper

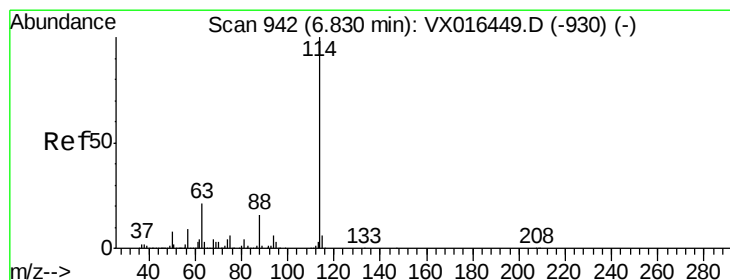
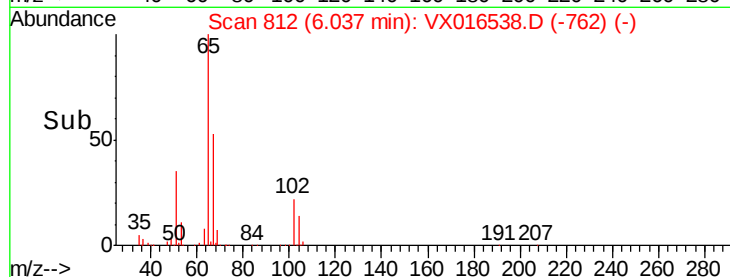
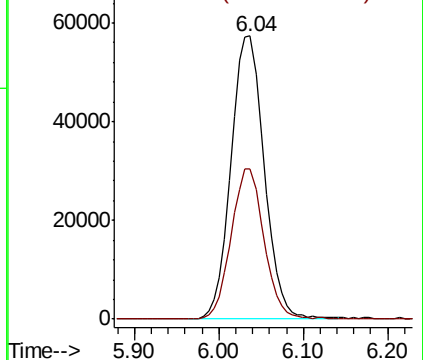
65 100

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: VX016538.D

Acq: 01 Jun 2020 18:45

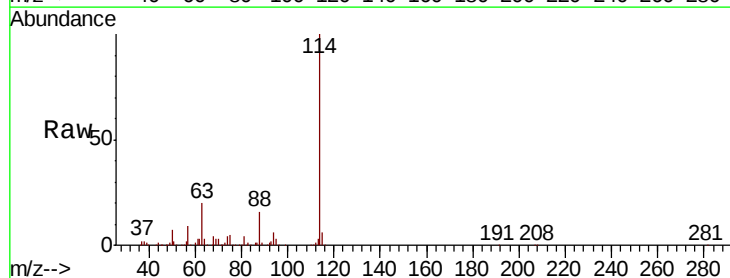
Tgt Ion: 114 Resp: 418199

Ion Ratio Lower Upper

114 100

63 20.5 0.0 42.6

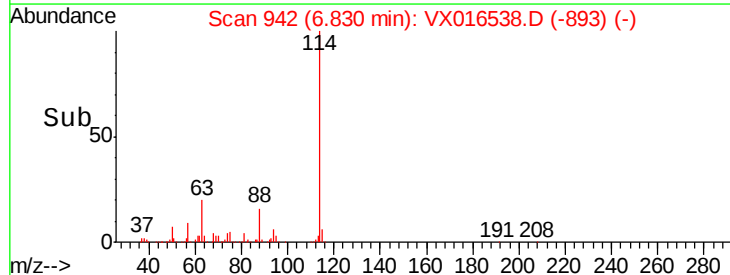
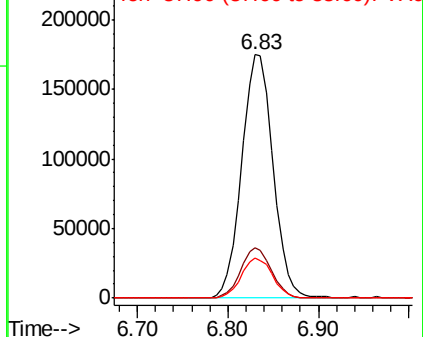
88 16.3 0.0 32.8

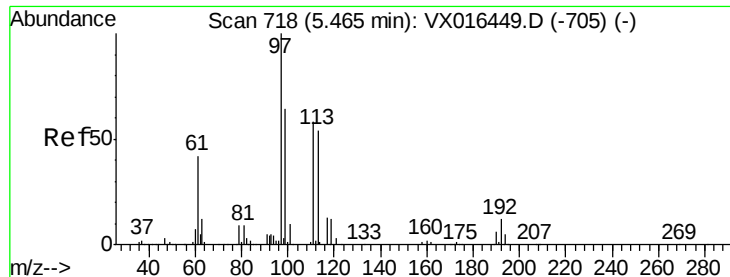


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

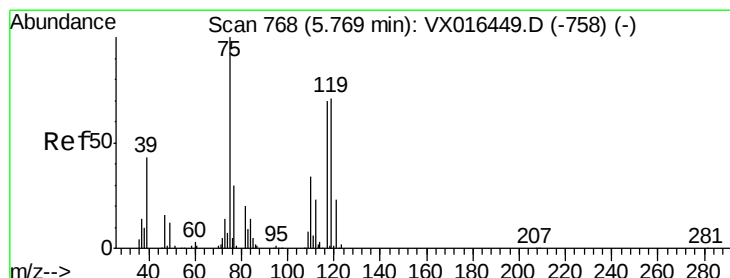
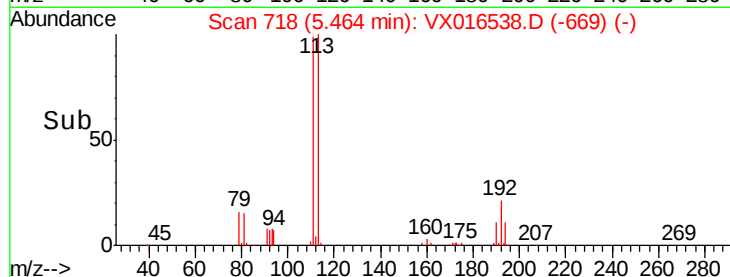
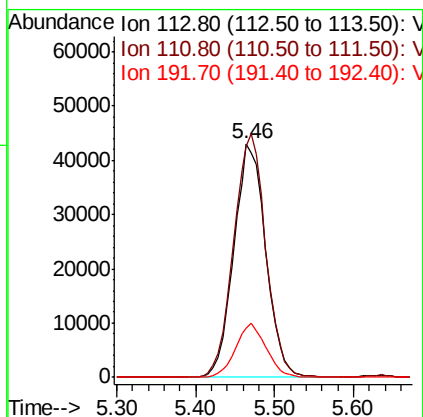
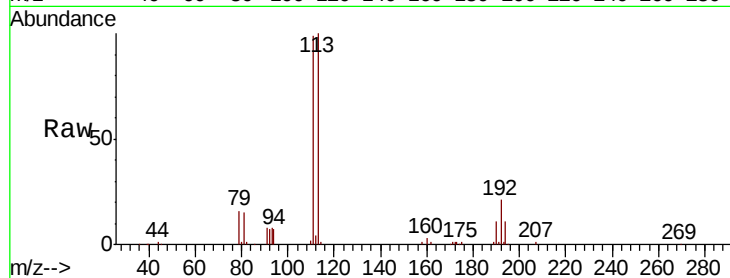




#35
 Dibromofluoromethane
 Concen: 47.076 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. -0.00 min
 Lab File: VX016538.D
 Acq: 01 Jun 2020 18:45

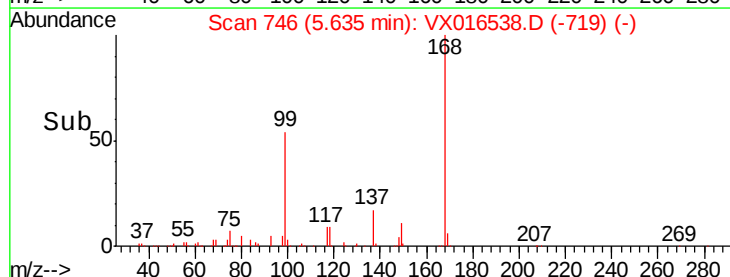
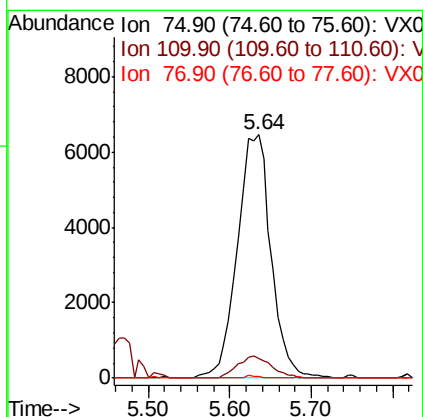
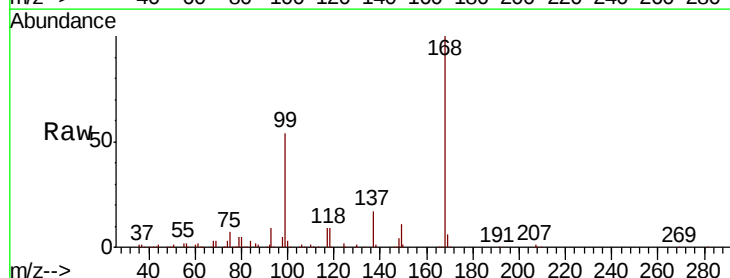
Instrument :
 MSVOA_X
 ClientSampleId :
 Z5-DUP-0563-200528

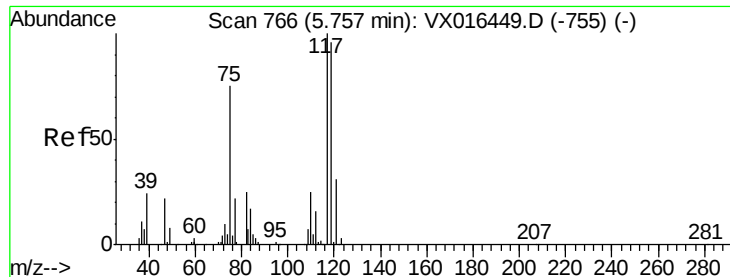
Tot Ion:113 Resp: 121223
 Ion Ratio Lower Upper
 113 100
 111 104.6 83.0 124.6
 192 22.0 17.7 26.5



#36
 1,1-Dichloropropene
 Concen: 4.675 ug/l
 RT: 5.64 min Scan# 746
 Delta R.T. -0.13 min
 Lab File: VX016538.D
 Acq: 01 Jun 2020 18:45

Tgt Ion: 75 Resp: 18510
 Ion Ratio Lower Upper
 75 100
 110 9.1 17.4 52.3#
 77 0.4 24.2 36.4#





#38

Carbon Tetrachloride

Concen: 5.966 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX016538.D

Acq: 01 Jun 2020 18:45

Instrument :

MSVOA_X

ClientSampleId :

Z5-DUP-0563-200528

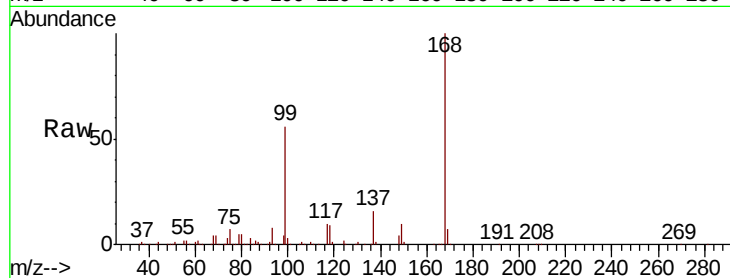
Tot Ion:117 Resp: 24823

Ion Ratio Lower Upper

117 100

119 5.3 76.3 114.5#

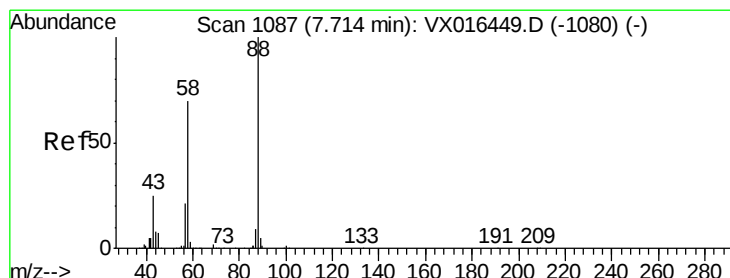
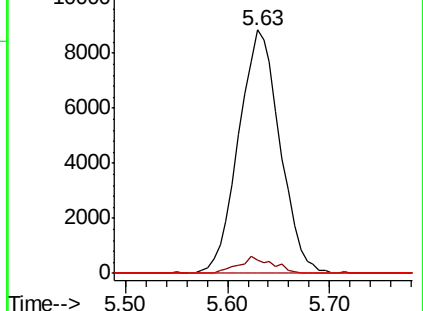
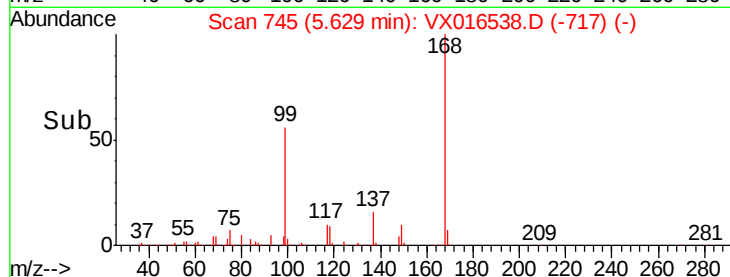
121 0.0 24.6 37.0#



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



#49

1,4-Dioxane

Concen: 1.456 ug/l

RT: 7.72 min Scan# 1088

Delta R.T. 0.01 min

Lab File: VX016538.D

Acq: 01 Jun 2020 18:45

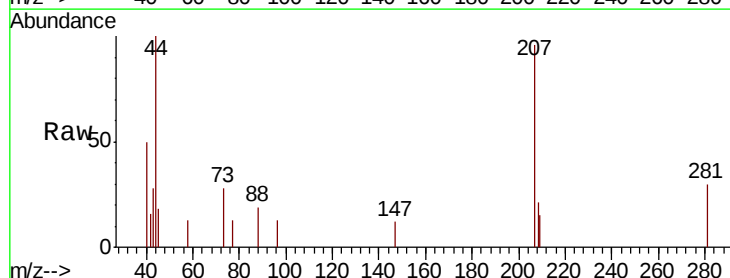
Tgt Ion: 88 Resp: 121

Ion Ratio Lower Upper

88 100

43 80.2 24.2 36.4#

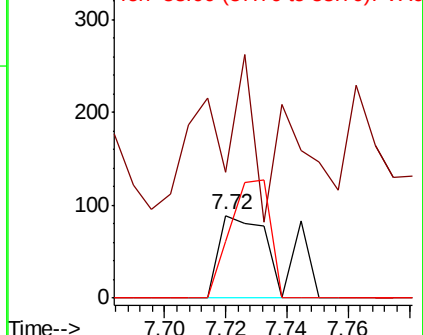
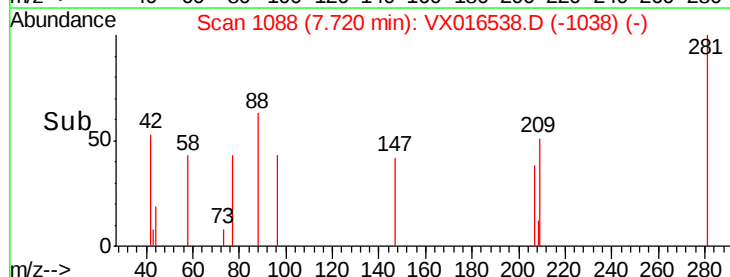
58 95.0 56.5 84.7#

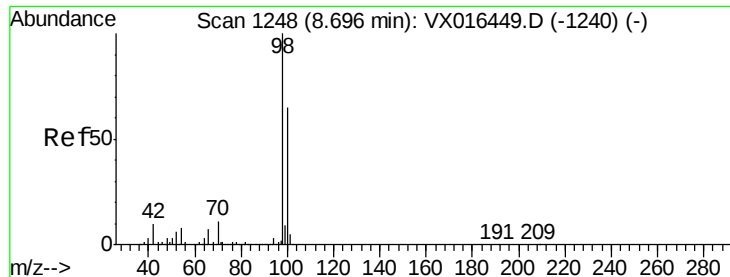


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

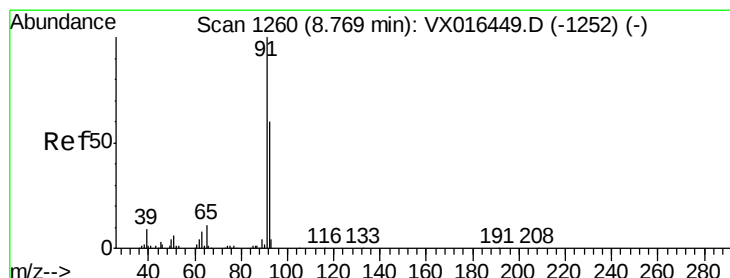
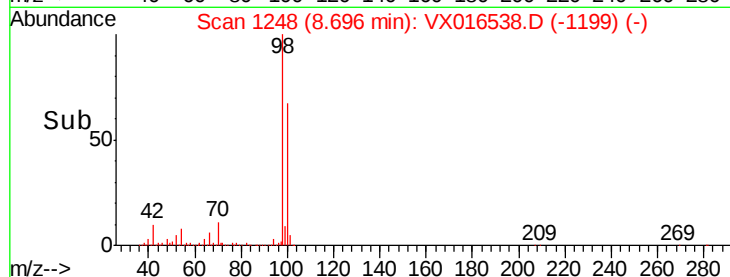
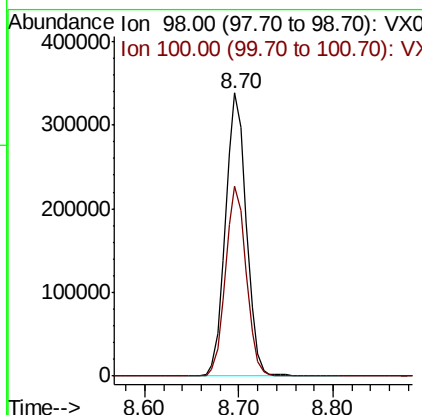
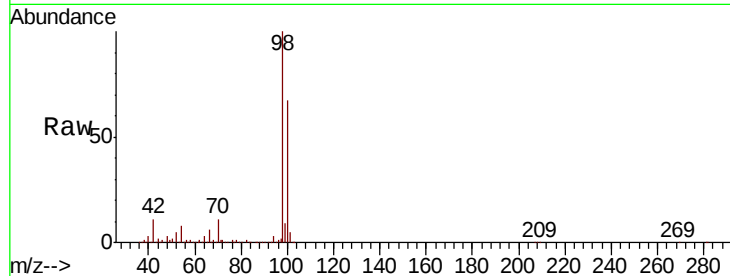




#50
Toluene-d8
Concen: 51.927 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX016538.D
Acq: 01 Jun 2020 18:45

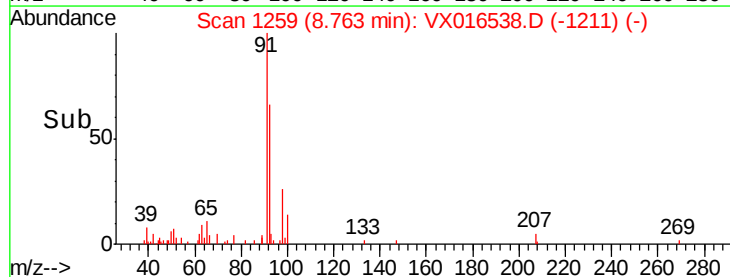
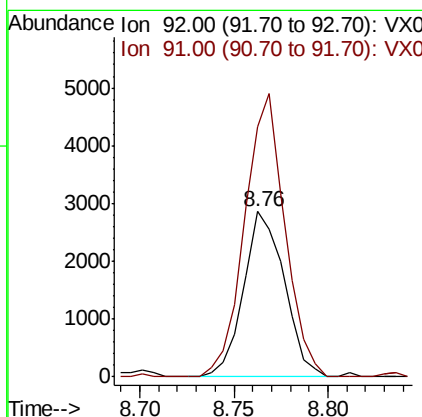
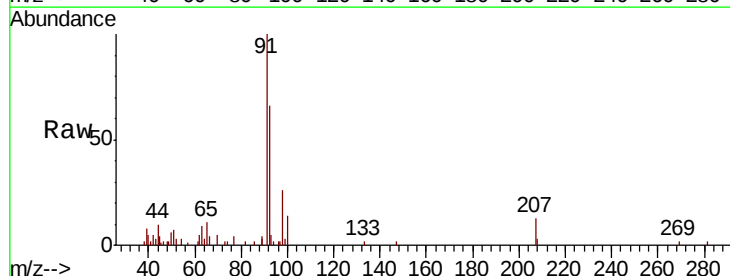
Instrument :
MSVOA_X
ClientSampleId :
Z5-DUP-0563-200528

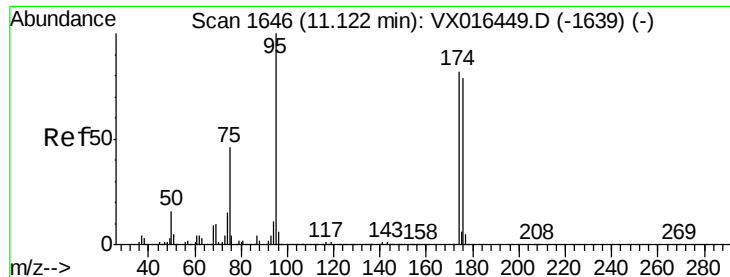
Tot Ion: 98 Resp: 520447
Ion Ratio Lower Upper
98 100
100 66.5 53.8 80.6



#52
Toluene
Concen: 0.578 ug/l
RT: 8.76 min Scan# 1259
Delta R.T. -0.01 min
Lab File: VX016538.D
Acq: 01 Jun 2020 18:45

Tgt Ion: 92 Resp: 4296
Ion Ratio Lower Upper
92 100
91 168.3 135.0 202.4





#62

4-Bromofluorobenzene

Concen: 55.199 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016538.D

Acq: 01 Jun 2020 18:45

Instrument :

MSVOA_X

ClientSampleId :

Z5-DUP-0563-200528

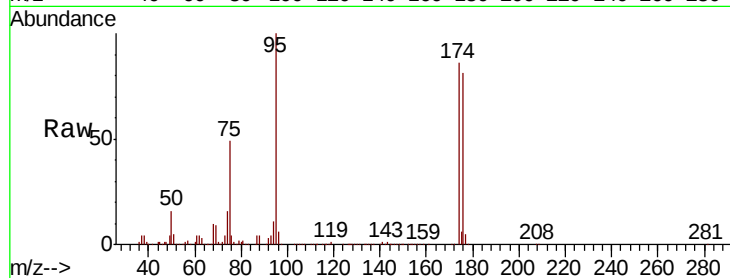
Tot Ion: 95 Resp: 213772

Ion Ratio Lower Upper

95 100

174 82.7 0.0 163.0

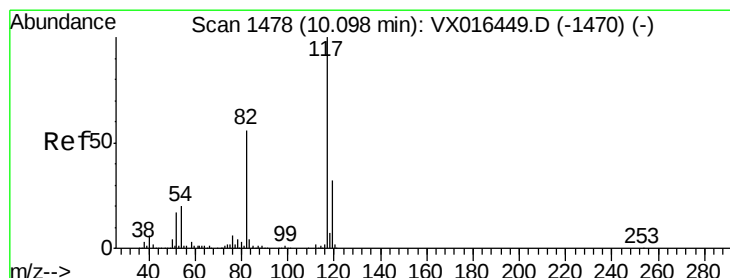
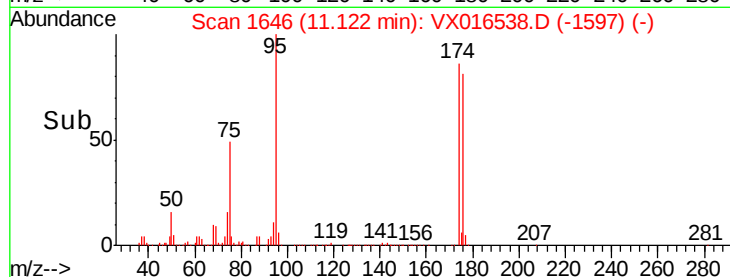
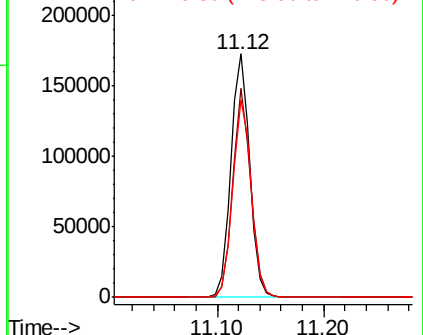
176 80.7 0.0 156.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX016538.D

Acq: 01 Jun 2020 18:45

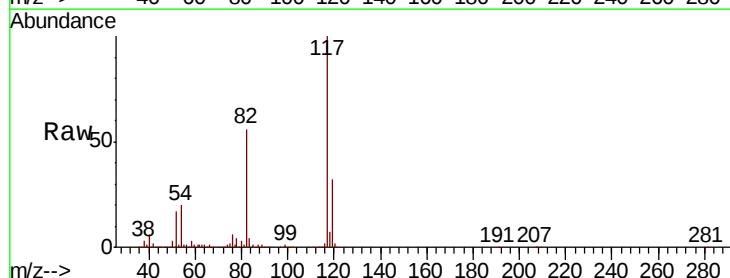
Tgt Ion: 117 Resp: 420455

Ion Ratio Lower Upper

117 100

82 55.7 45.0 67.6

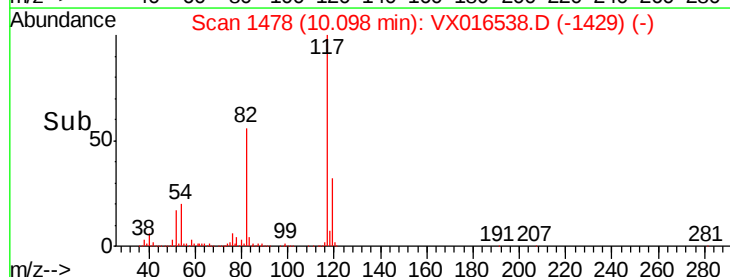
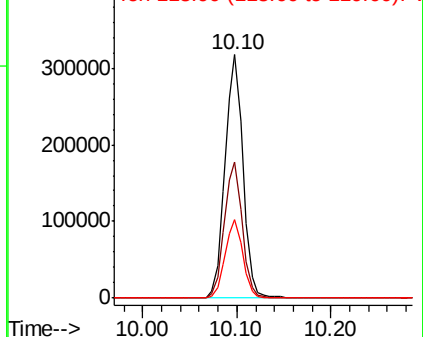
119 32.5 25.8 38.8

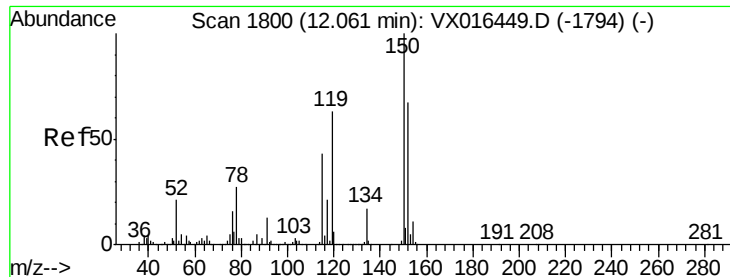


Abundance Ion 116.90 (116.60 to 117.60): V

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: VX016538.D

Acq: 01 Jun 2020 18:45

Instrument :

MSVOA_X

ClientSampleId :

Z5-DUP-0563-200528

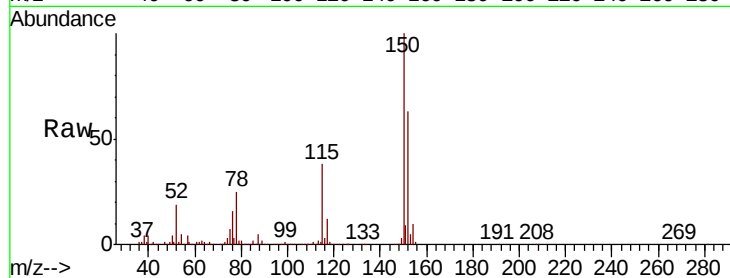
Tot Ion:152 Resp: 225340

Ion Ratio Lower Upper

152 100

115 59.5 39.9 119.6

150 156.8 0.0 341.0

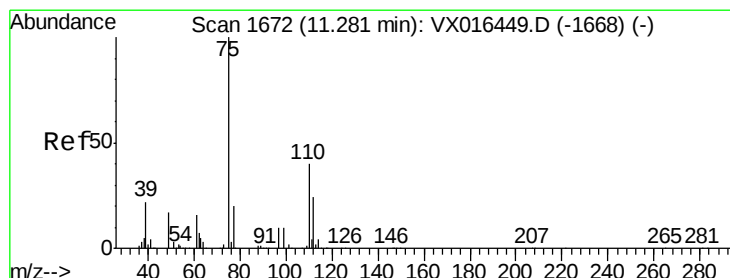
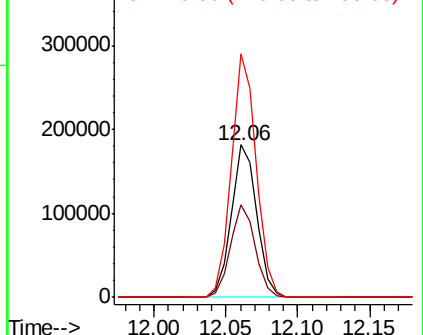
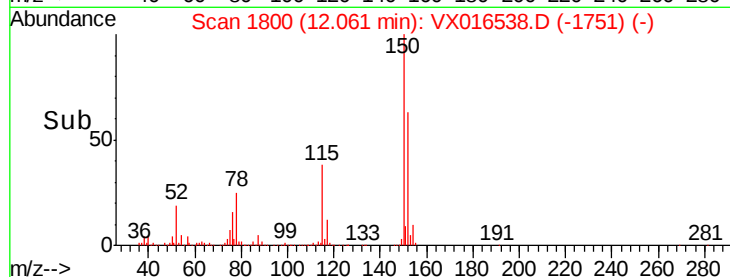


Abundance

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: 20.839 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016538.D

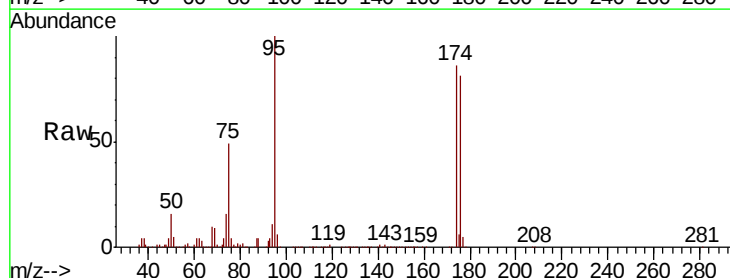
Acq: 01 Jun 2020 18:45

Tgt Ion: 75 Resp: 103218

Ion Ratio Lower Upper

75 100

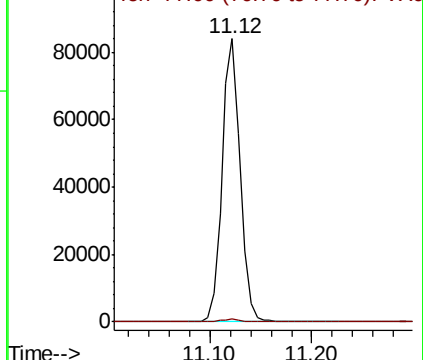
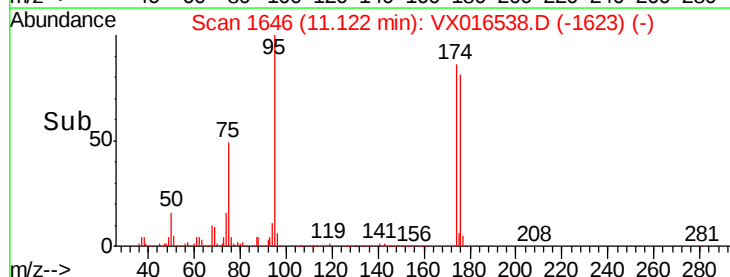
77 1.2 21.3 63.7#

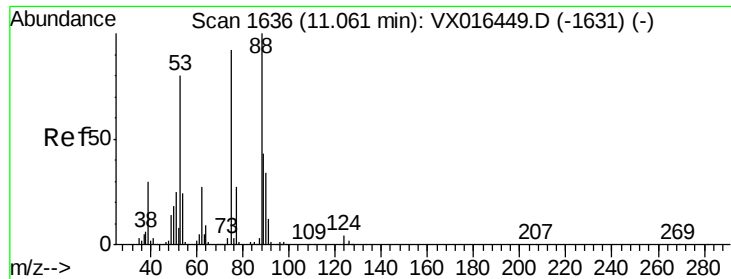


Abundance

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: 51.261 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.06 min
Lab File: VX016538.D
Acq: 01 Jun 2020 18:45

Instrument :
MSVOA_X
ClientSampleId :
Z5-DUP-0563-200528

Tot Ion: 75 Resp: 103218
Ion Ratio Lower Upper
75 100
53 0.1 71.3 106.9#
89 0.0 36.6 55.0#

