

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050520\
 Data File : VX016066.D
 Acq On : 05 May 2020 16:05
 Operator : JC/SP
 Sample : L2469-26
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-DUP02-20200429

Quant Time: May 06 05:03:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 06 04:29:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	288219	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	472326	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	460007	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	234127	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	176702	46.59	ug/l	0.00
Spiked Amount			Recovery	=	93.18%	
35) Dibromofluoromethane	5.47	113	136599	45.65	ug/l	0.00
Spiked Amount			Recovery	=	91.30%	
50) Toluene-d8	8.70	98	580676	50.36	ug/l	0.00
Spiked Amount			Recovery	=	100.72%	
62) 4-Bromofluorobenzene	11.12	95	232037	52.91	ug/l	0.00
Spiked Amount			Recovery	=	105.82%	

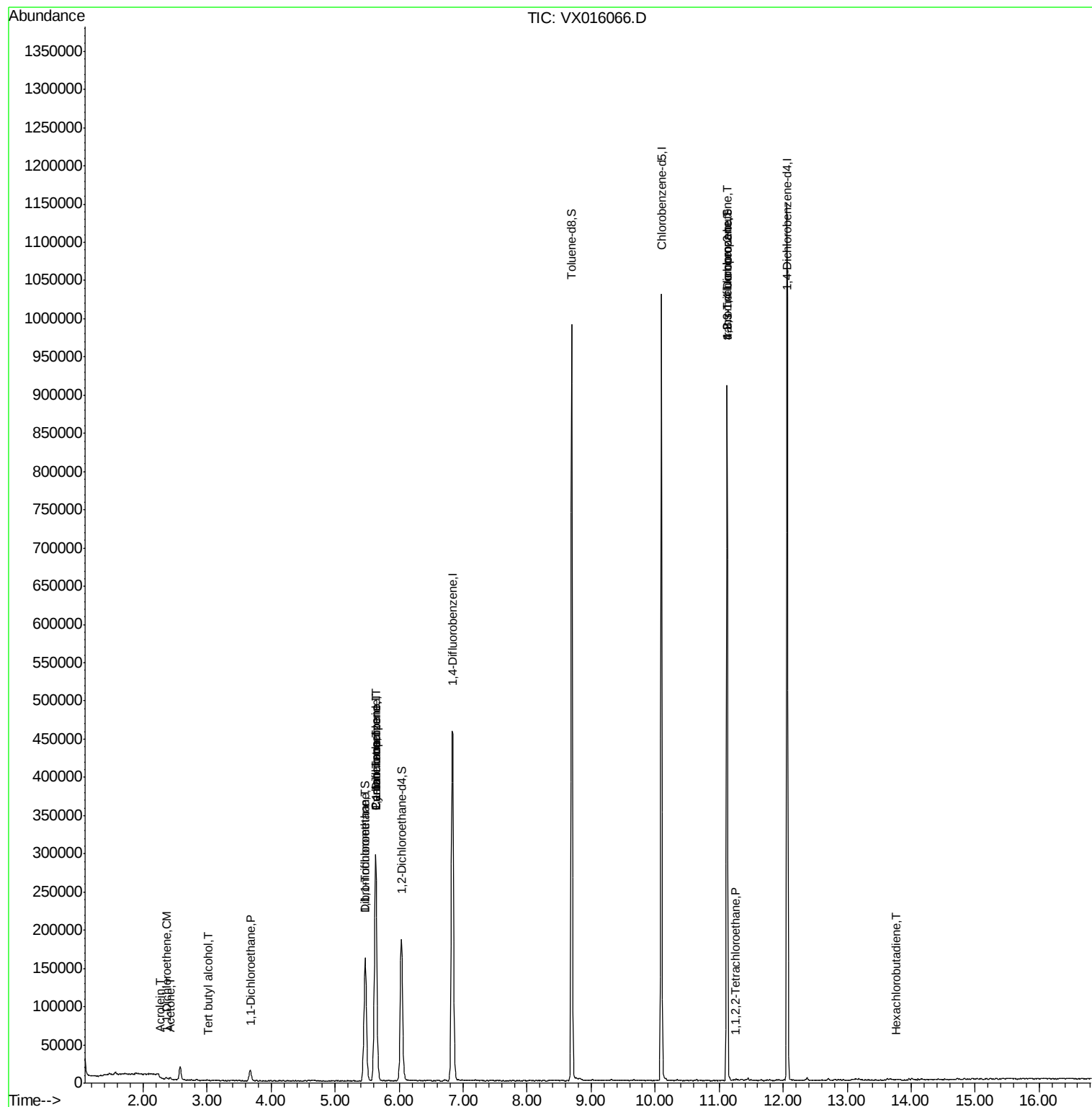
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.02	59	796	0.830	ug/l	95
12) 1,1-Dichloroethene	2.36	96	819	0.273	ug/l #	65
13) Acrolein	2.27	56	214	0.357	ug/l #	14
16) Acetone	2.42	43	2699	1.595	ug/l	94
17) Carbon Disulfide	2.55	76	1730	Below Cal		96
24) 1,1-Dichloroethane	3.67	63	16145	2.785	ug/l #	96
31) Cyclohexane	5.63	56	6070	1.152	ug/l #	1
32) 1,1,1-Trichloroethane	5.46	97	1321	0.252	ug/l #	45
36) 1,1-Dichloropropene	5.63	75	22381	4.814	ug/l #	50
38) Carbon Tetrachloride	5.63	117	27952	5.915	ug/l #	14
75) 1,1,2,2-Tetrachloroethane	11.25	83	45	4.823	ug/l #	26
76) 1,2,3-Trichloropropane	11.12	75	117214	22.062	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	117214	52.576	ug/l #	13
94) Hexachlorobutadiene	13.76	225	88	0.559	ug/l #	71

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

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Quant Title : SW846 8260
QLast Update : Wed May 06 04:29:02 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.00 min

Lab File: VX016066.D

Acq: 05 May 2020 16:05

Instrument :

MSVOA_X

ClientSampleId :

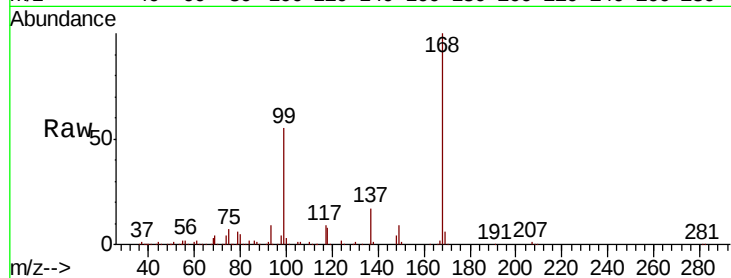
SA-DUP02-20200429

Tot Ion:168 Resp: 288219

Ion Ratio Lower Upper

168 100

99 55.4 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

120000

100000

80000

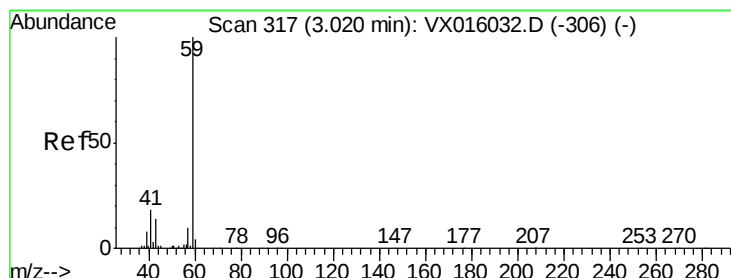
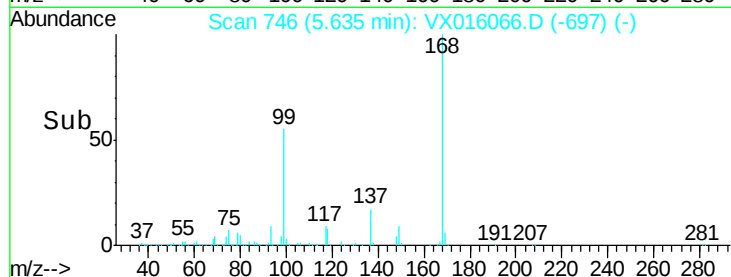
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 0.830 ug/l

RT: 3.02 min Scan# 317

Delta R.T. -0.00 min

Lab File: VX016066.D

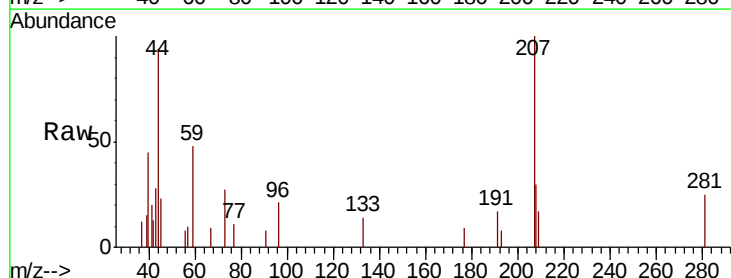
Acq: 05 May 2020 16:05

Tgt Ion: 59 Resp: 796

Ion Ratio Lower Upper

59 100

57 8.4 8.2 12.4



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.02

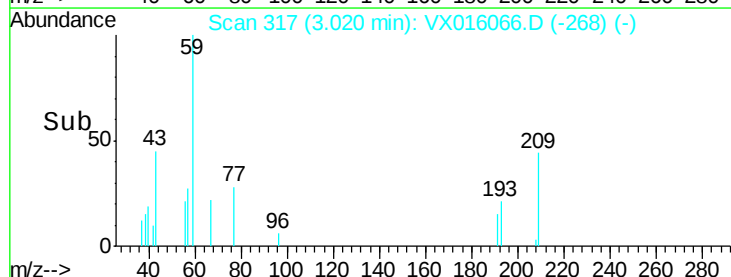
300

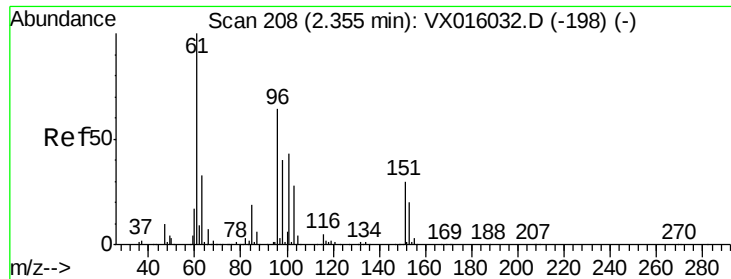
200

100

0

Time-->





#12

1,1-Dichloroethene

Concen: 0.273 ug/l

RT: 2.36 min Scan# 208

Delta R.T. -0.00 min

Lab File: VX016066.D

Acq: 05 May 2020 16:05

Instrument :

MSVOA_X

ClientSampleId :

SA-DUP02-20200429

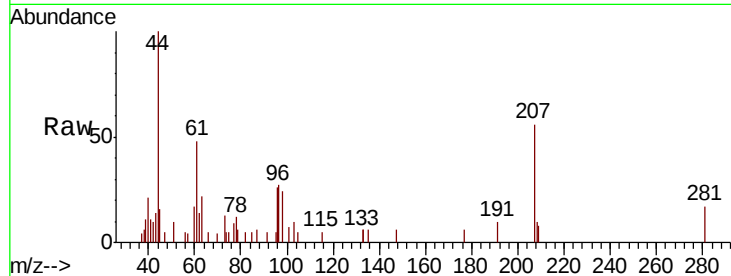
Tot Ion: 96 Resp: 819

Ion Ratio Lower Upper

96 100

61 101.4 124.8 187.2#

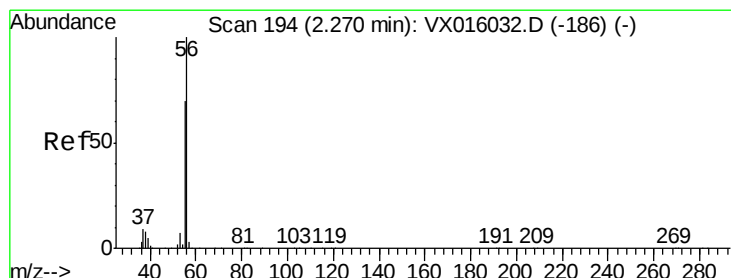
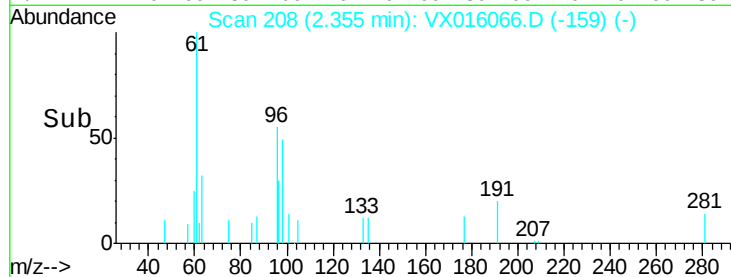
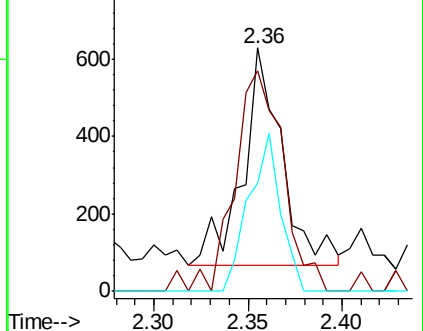
98 49.6 49.7 74.5#



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#13

Acrolein

Concen: 0.357 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.00 min

Lab File: VX016066.D

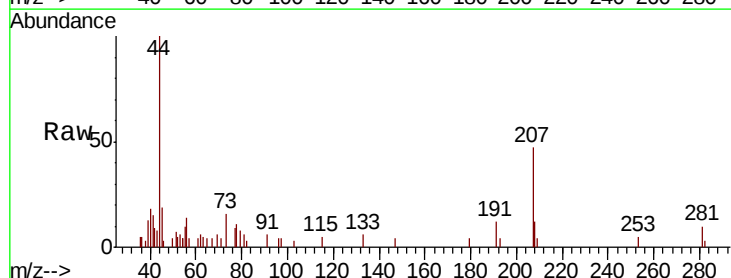
Acq: 05 May 2020 16:05

Tgt Ion: 56 Resp: 214

Ion Ratio Lower Upper

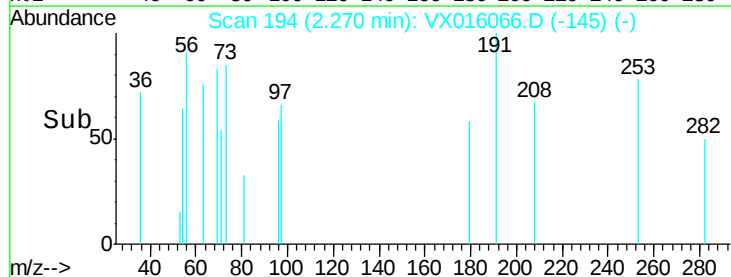
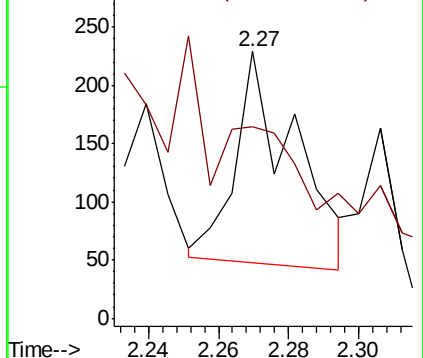
56 100

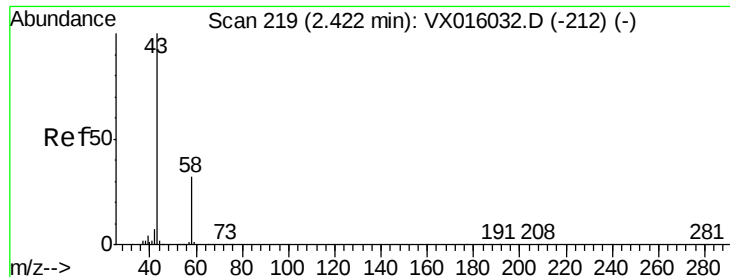
55 0.0 56.5 84.7#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 1.595 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX016066.D

Acq: 05 May 2020 16:05

Instrument :

MSVOA_X

ClientSampleId :

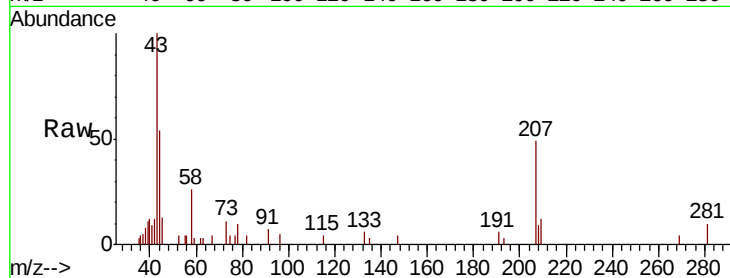
SA-DUP02-20200429

Tot Ion: 43 Resp: 2699

Ion Ratio Lower Upper

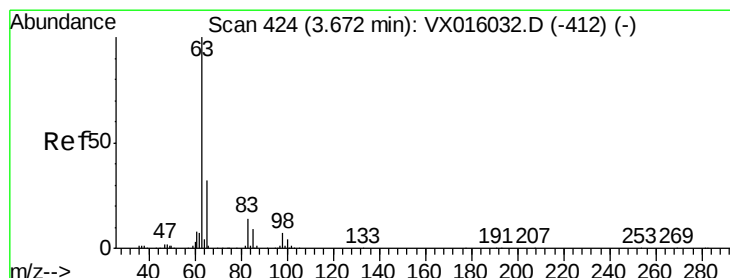
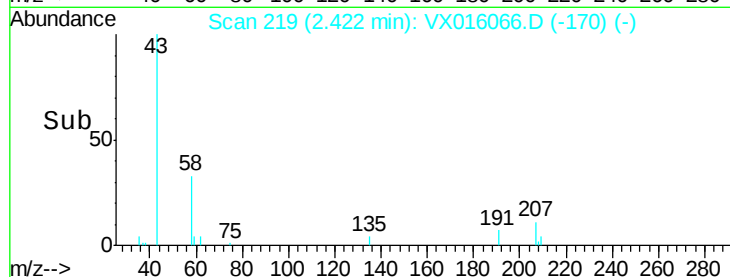
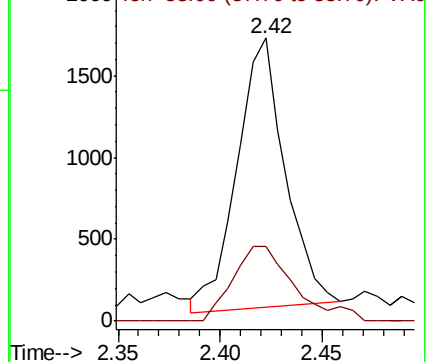
43 100

58 28.5 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#24

1,1-Dichloroethane

Concen: 2.785 ug/l

RT: 3.67 min Scan# 424

Delta R.T. -0.00 min

Lab File: VX016066.D

Acq: 05 May 2020 16:05

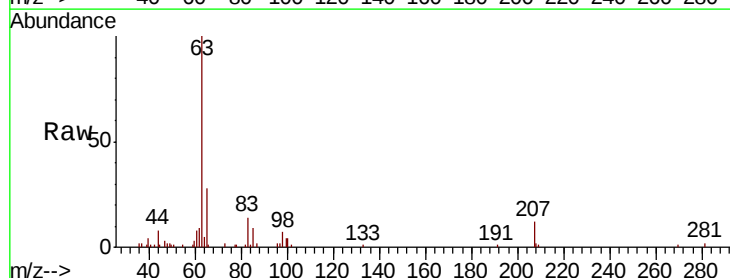
Tgt Ion: 63 Resp: 16145

Ion Ratio Lower Upper

63 100

98 6.7 3.5 10.5

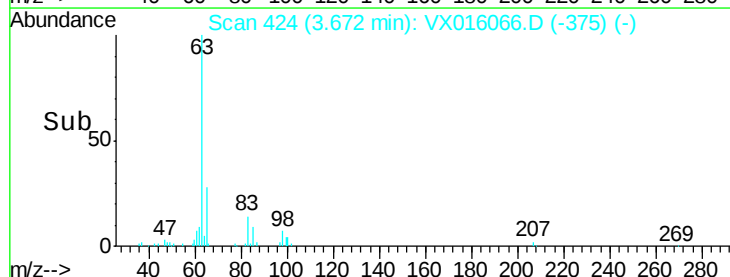
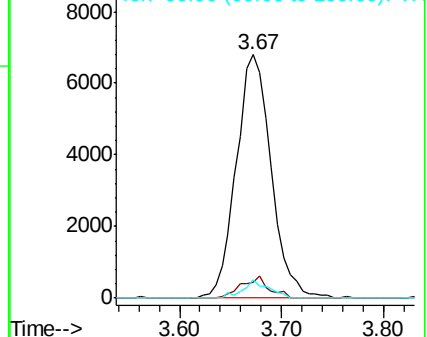
100 7.6 2.1 6.5#

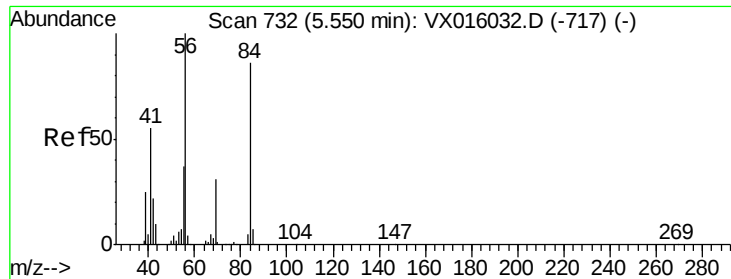


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

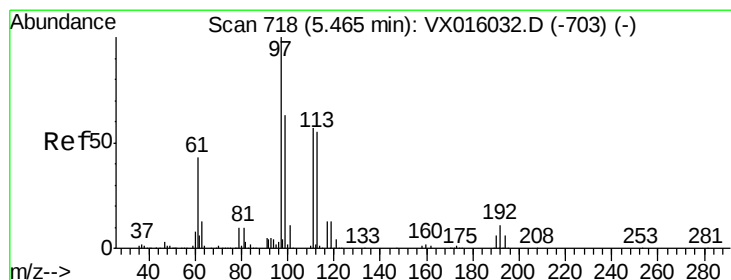
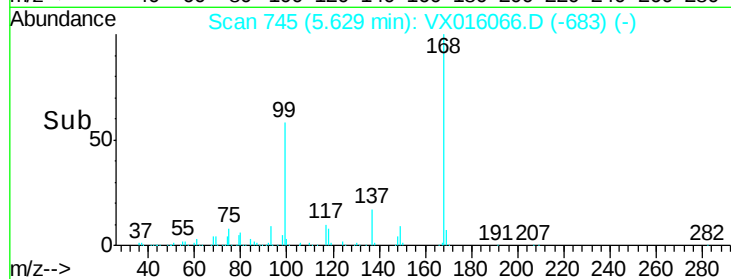
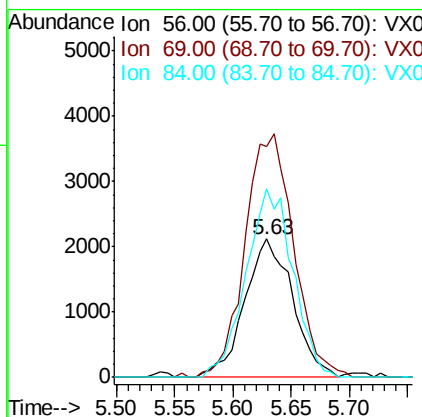
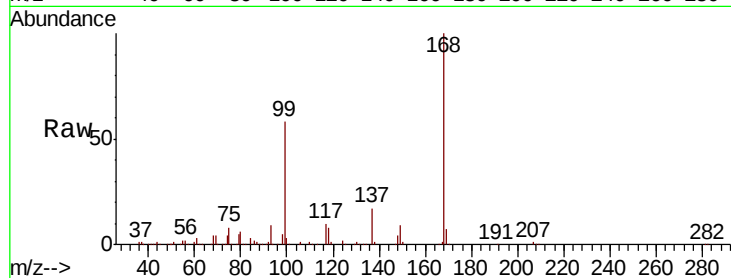




#31
Cyclohexane
Concen: 1.152 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX016066.D
Acq: 05 May 2020 16:05

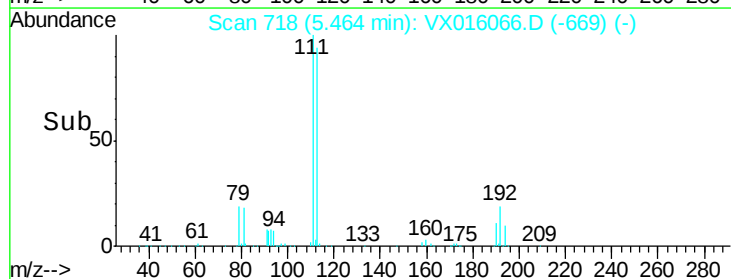
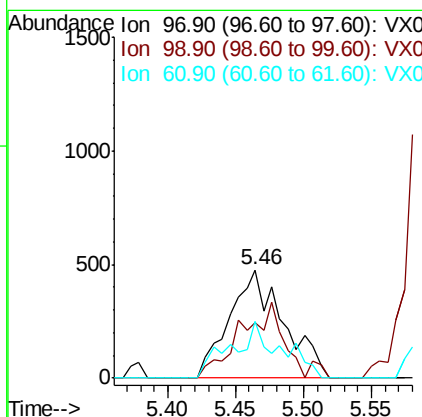
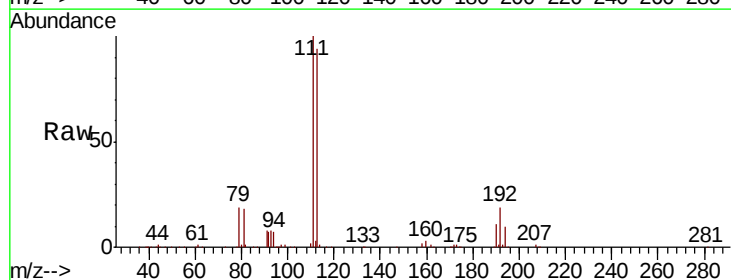
Instrument :
MSVOA_X
ClientSampleId :
SA-DUP02-20200429

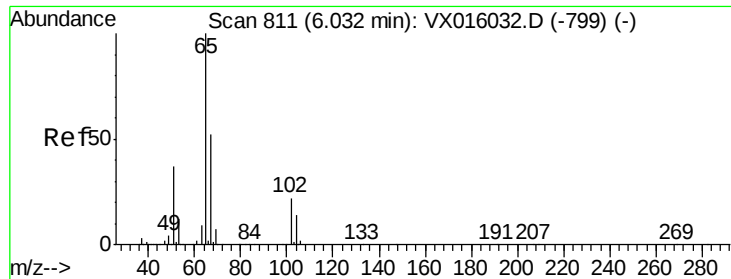
Tot Ion: 56 Resp: 6070
Ion Ratio Lower Upper
56 100
69 166.9 25.0 37.6#
84 136.4 69.0 103.6#



#32
1,1,1-Trichloroethane
Concen: 0.252 ug/l
RT: 5.46 min Scan# 718
Delta R.T. -0.00 min
Lab File: VX016066.D
Acq: 05 May 2020 16:05

Tgt Ion: 97 Resp: 1321
Ion Ratio Lower Upper
97 100
99 0.0 51.0 76.4#
61 33.3 34.5 51.7#





#33

1,2-Dichloroethane-d4

Concen: 46.590 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX016066.D

Acq: 05 May 2020 16:05

Instrument :

MSVOA_X

ClientSampleId :

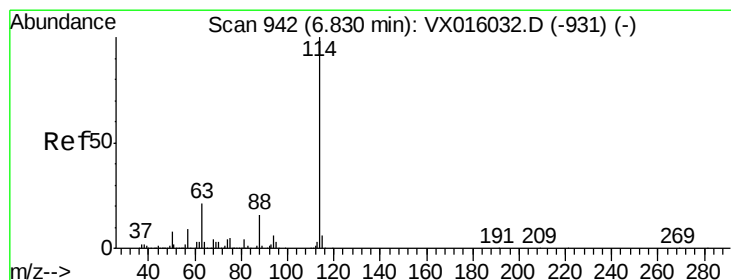
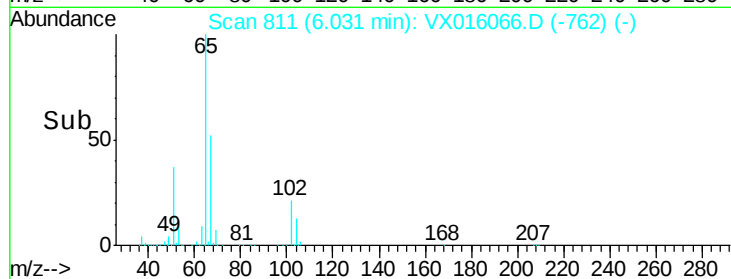
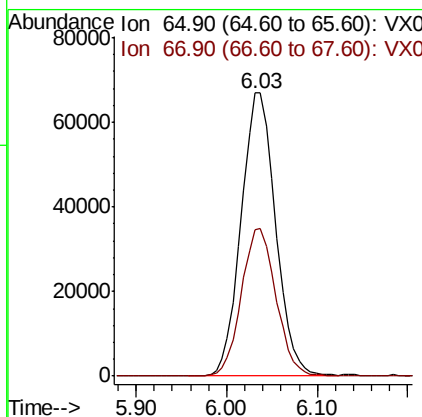
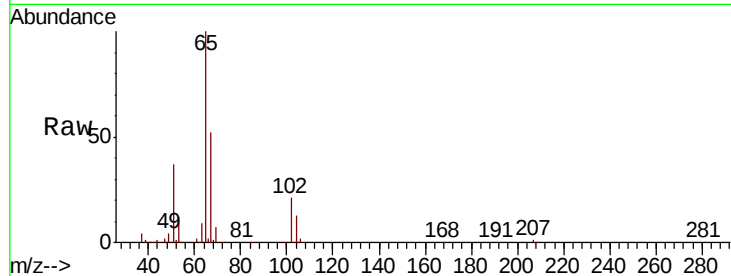
SA-DUP02-20200429

Tot Ion: 65 Resp: 176702

Ion Ratio Lower Upper

65 100

67 52.3 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX016066.D

Acq: 05 May 2020 16:05

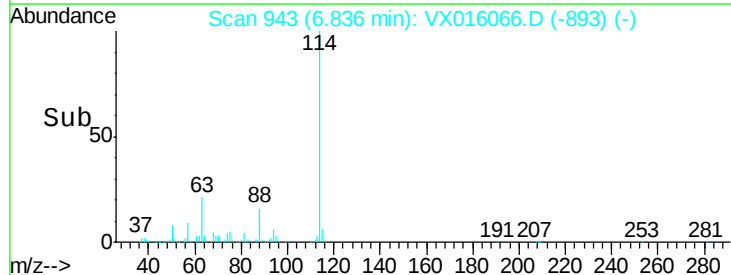
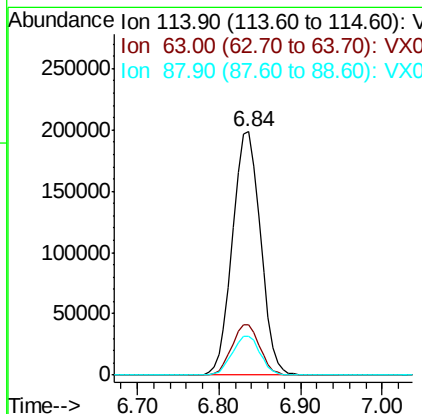
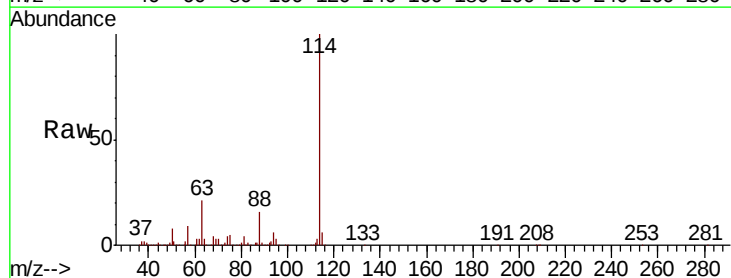
Tgt Ion: 114 Resp: 472326

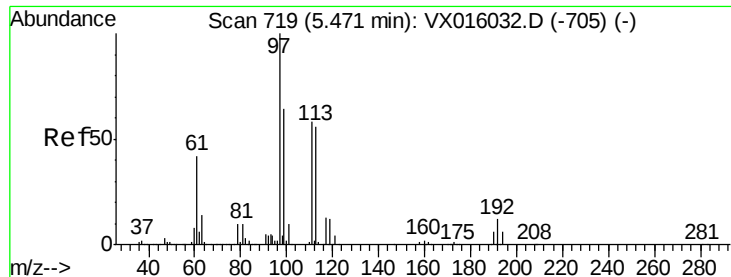
Ion Ratio Lower Upper

114 100

63 20.5 0.0 42.8

88 15.9 0.0 31.4





#35

Dibromofluoromethane

Concen: 45.649 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX016066.D

Acq: 05 May 2020 16:05

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SA-DUP02-20200429

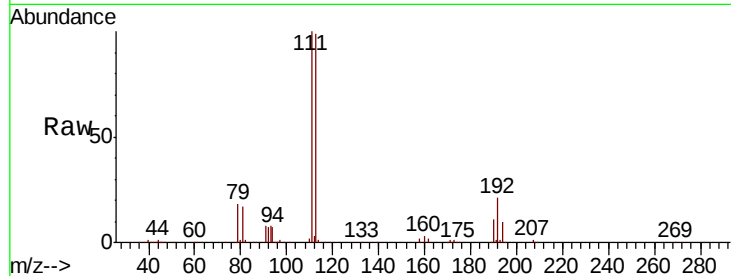
Tot Ion:113 Resp: 136599

Ion Ratio Lower Upper

113 100

111 103.3 81.6 122.4

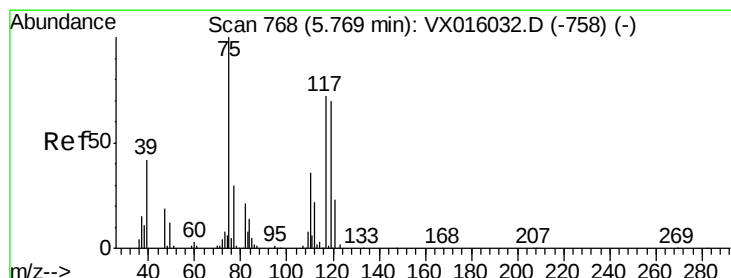
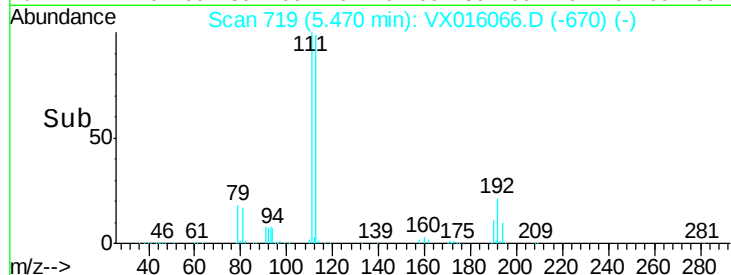
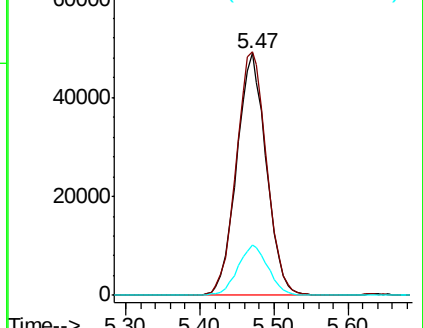
192 21.2 17.0 25.4



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.814 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX016066.D

Acq: 05 May 2020 16:05

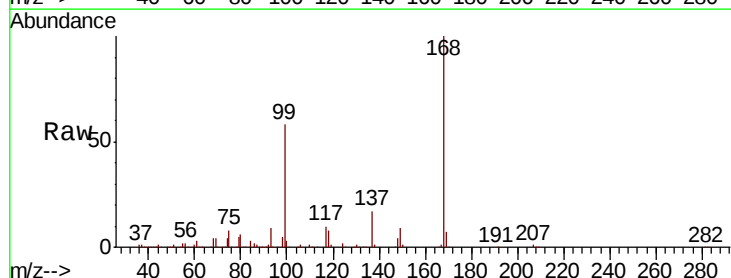
Tgt Ion: 75 Resp: 22381

Ion Ratio Lower Upper

75 100

110 9.9 18.1 54.1#

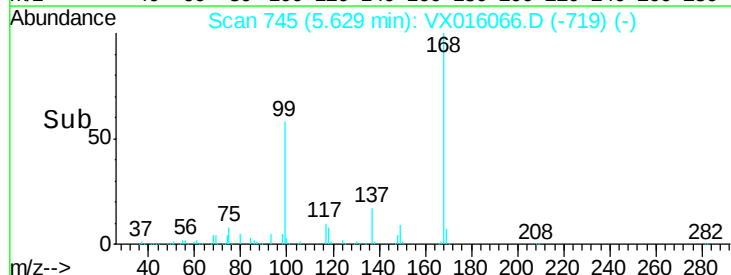
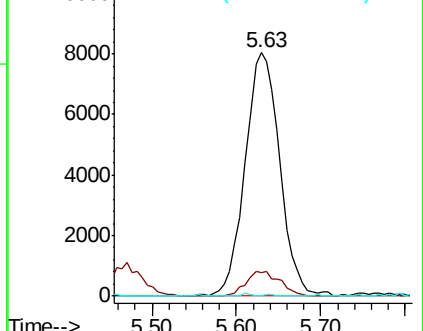
77 0.2 25.0 37.6#

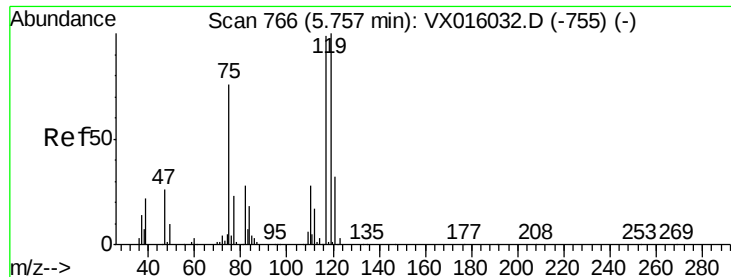


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

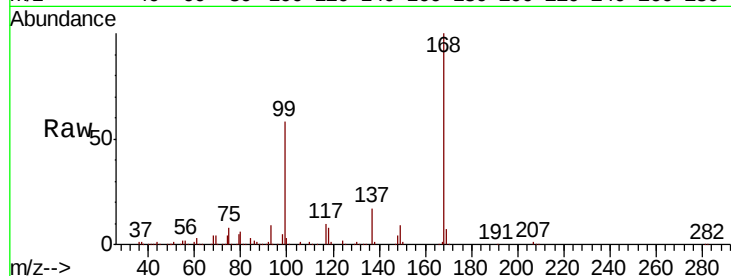




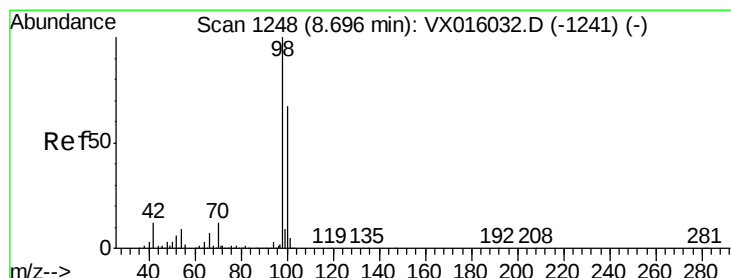
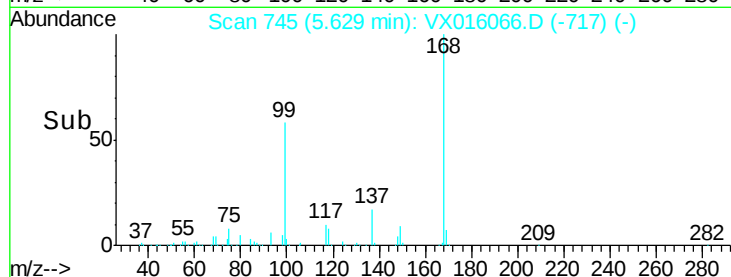
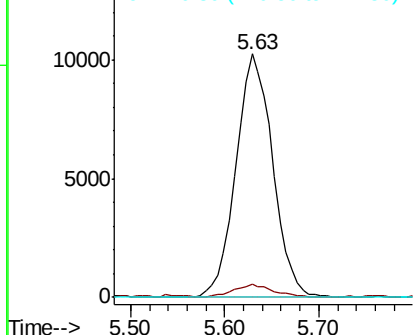
#38
Carbon Tetrachloride
Concen: 5.915 ug/l
RT: 5.63 min Scan# 745
Delta R.T. -0.13 min
Lab File: VX016066.D
Acq: 05 May 2020 16:05

Instrument :
MSVOA_X
ClientSampleId :
SA-DUP02-20200429

Tot Ion:117 Resp: 27952
Ion Ratio Lower Upper
117 100
119 5.6 80.3 120.5#
121 0.0 25.7 38.5#

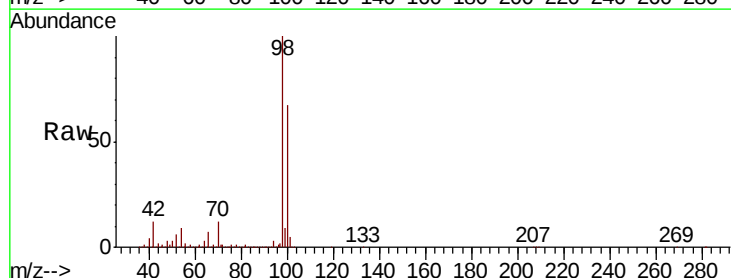


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

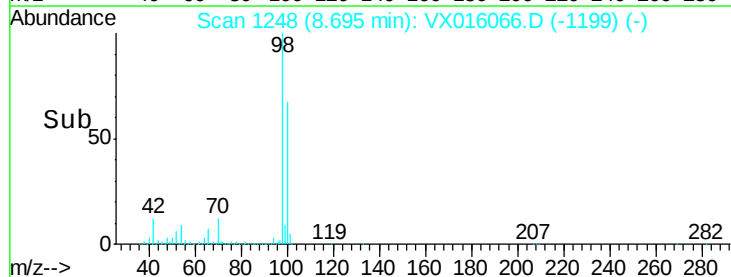
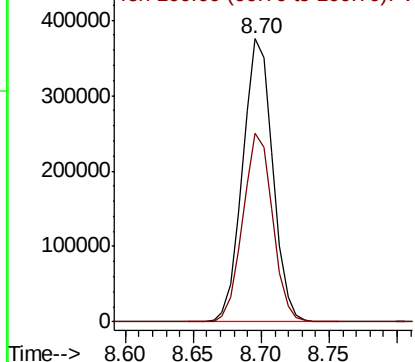


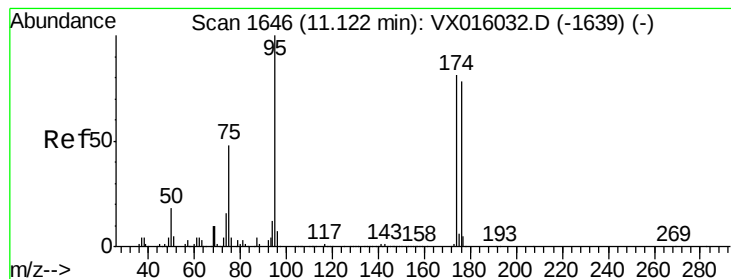
#50
Toluene-d8
Concen: 50.363 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX016066.D
Acq: 05 May 2020 16:05

Tgt Ion: 98 Resp: 580676
Ion Ratio Lower Upper
98 100
100 66.0 53.7 80.5



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





#62

4-Bromofluorobenzene

Concen: 52.911 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016066.D

Acq: 05 May 2020 16:05

Instrument :

MSVOA_X

ClientSampleId :

SA-DUP02-20200429

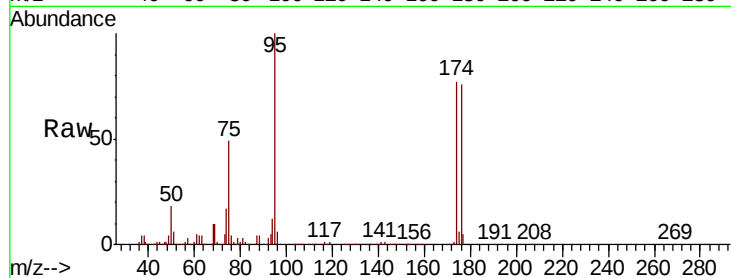
Tot Ion: 95 Resp: 232037

Ion Ratio Lower Upper

95 100

174 78.6 0.0 159.4

176 78.0 0.0 157.6



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

250000

200000

150000

100000

50000

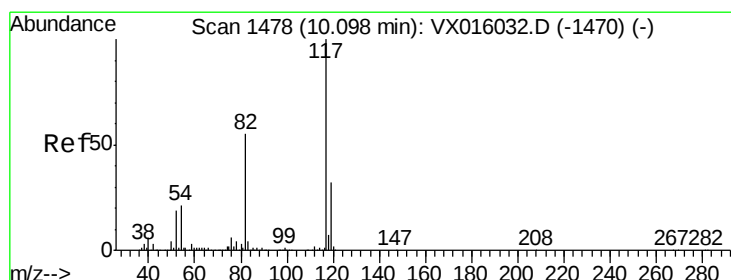
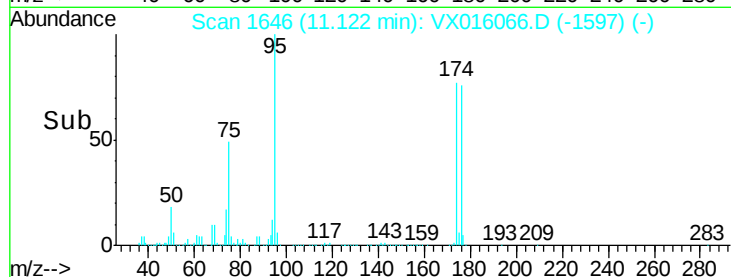
0

11.12

11.10

11.20

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX016066.D

Acq: 05 May 2020 16:05

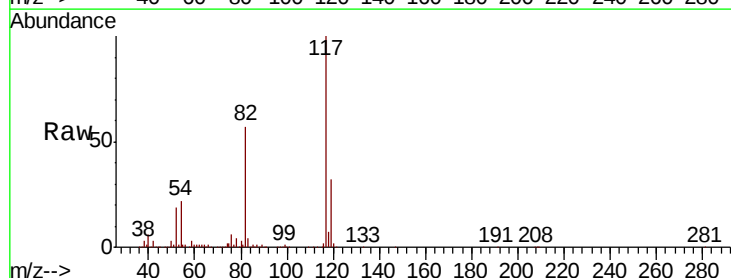
Tgt Ion: 117 Resp: 460007

Ion Ratio Lower Upper

117 100

82 57.0 44.4 66.6

119 32.1 25.5 38.3



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

400000

300000

200000

100000

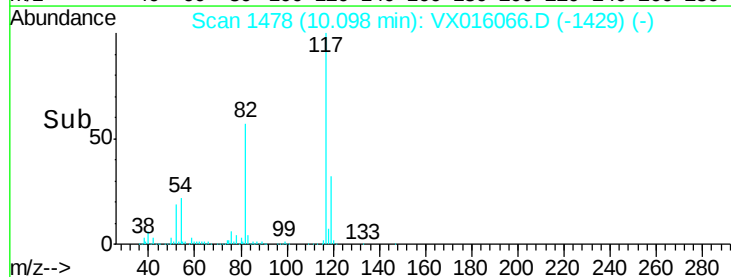
0

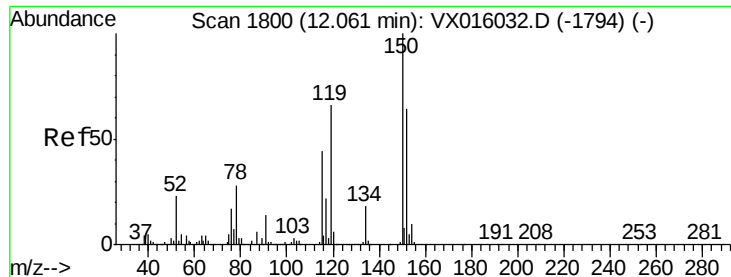
10.10

10.00

10.20

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016066.D

Acq: 05 May 2020 16:05

Instrument :

MSVOA_X

ClientSampleId :

SA-DUP02-20200429

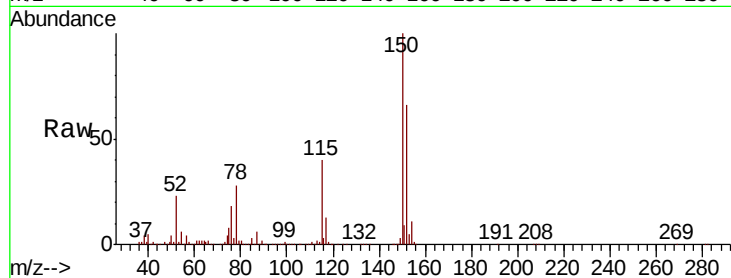
Tot Ion:152 Resp: 234127

Ion Ratio Lower Upper

152 100

115 58.0 41.3 124.1

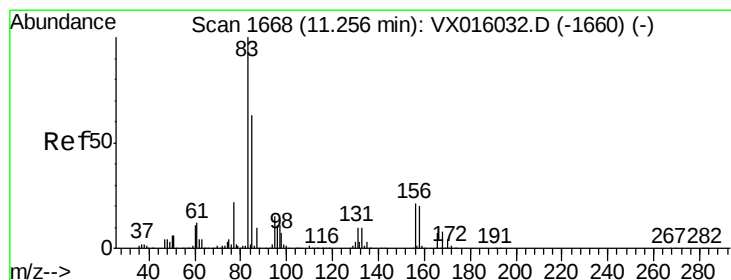
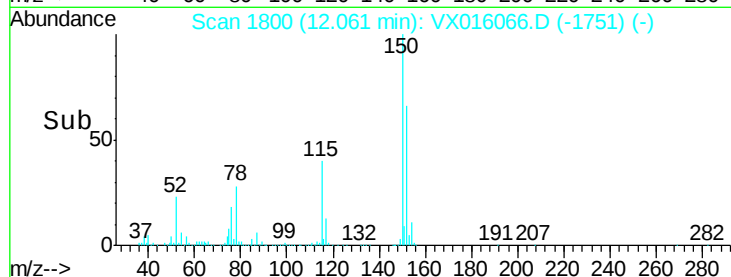
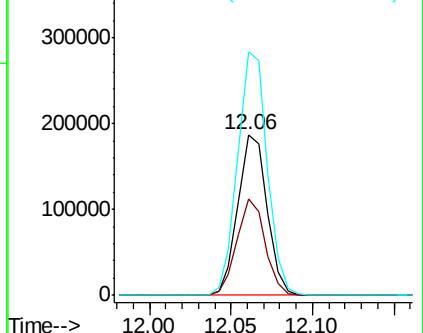
150 153.5 0.0 352.2



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



#75

1,1,2,2-Tetrachloroethane

Concen: 4.823 ug/l

RT: 11.25 min Scan# 1667

Delta R.T. -0.01 min

Lab File: VX016066.D

Acq: 05 May 2020 16:05

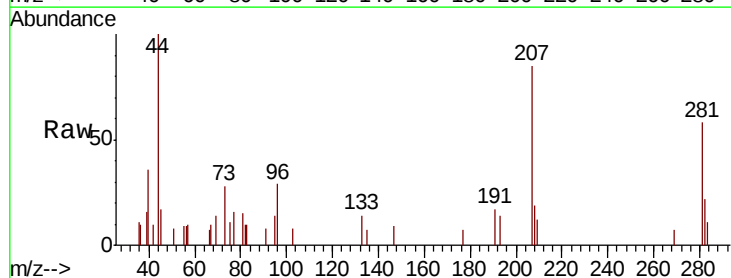
Tgt Ion: 83 Resp: 45

Ion Ratio Lower Upper

83 100

131 0.0 5.1 15.4#

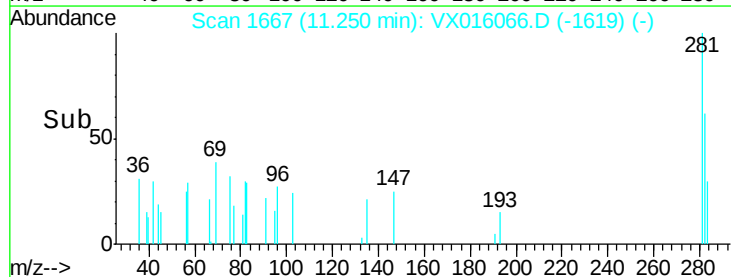
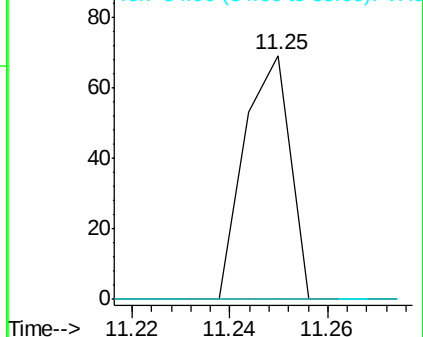
85 0.0 32.0 96.0#

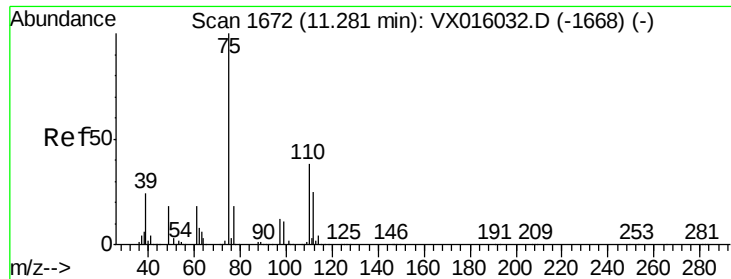


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0





#76

1,2,3-Trichloropropane

Concen: 22.062 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016066.D

Acq: 05 May 2020 16:05

Instrument :

MSVOA_X

ClientSampleId :

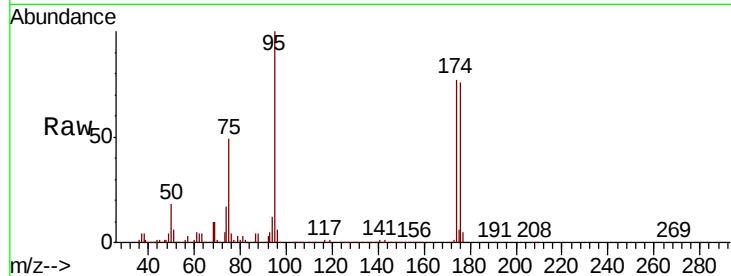
SA-DUP02-20200429

Tot Ion: 75 Resp: 117214

Ion Ratio Lower Upper

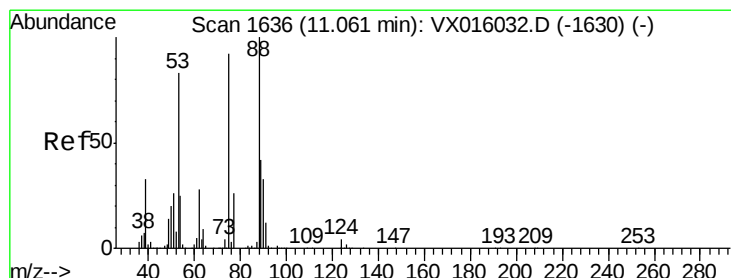
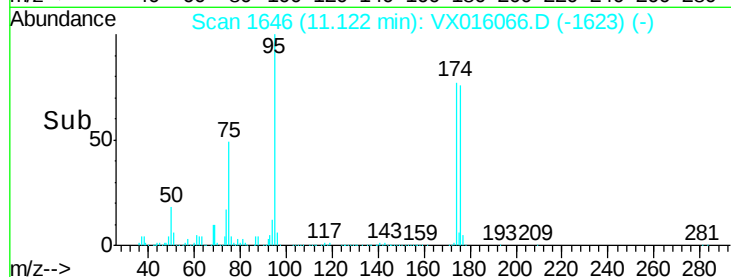
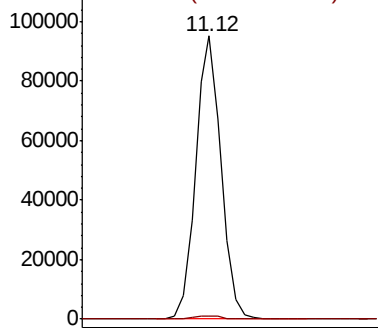
75 100

77 1.4 21.2 63.6#



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: 52.576 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016066.D

Acq: 05 May 2020 16:05

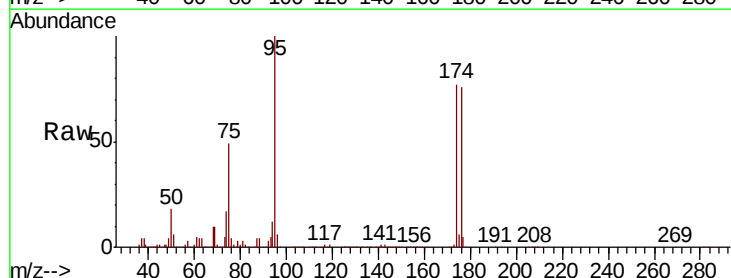
Tgt Ion: 75 Resp: 117214

Ion Ratio Lower Upper

75 100

53 0.2 73.1 109.7#

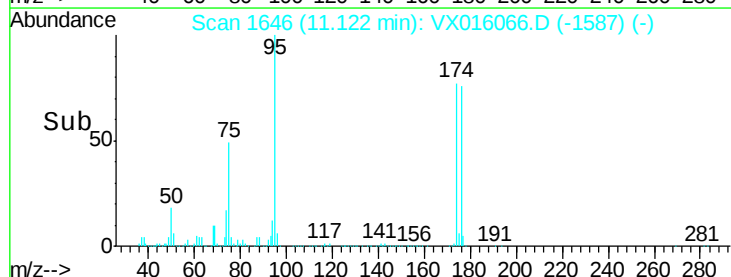
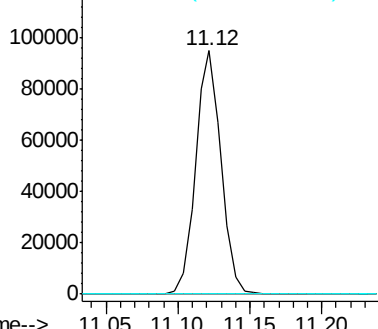
89 0.0 36.7 55.1#

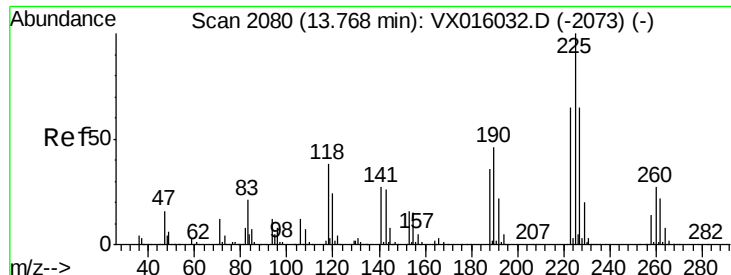


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#94

Hexachlorobutadiene

Concen: 0.559 ug/l

RT: 13.76 min Scan# 2079

Delta R.T. -0.01 min

Lab File: VX016066.D

Acq: 05 May 2020 16:05

Instrument :

MSVOA_X

ClientSampleId :

SA-DUP02-20200429

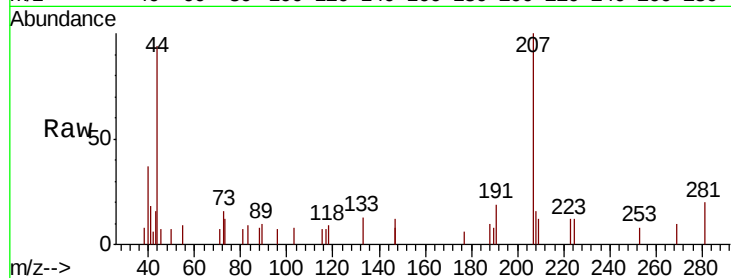
Tot Ion: 225 Resp: 88

Ion Ratio Lower Upper

225 100

223 102.3 32.3 96.9#

227 71.6 31.8 95.4



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

