

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060120\
 Data File : VX016529.D
 Acq On : 01 Jun 2020 15:21
 Operator : JC/SP
 Sample : L2801-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS050MW109-200527

Quant Time: Jun 02 01:48:23 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	280901	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	446512	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	446824	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	231317	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	161698	46.35	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	92.70%	
35) Dibromofluoromethane	5.47	113	130925	47.62	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.24%	
50) Toluene-d8	8.70	98	559493	52.28	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	104.56%	
62) 4-Bromofluorobenzene	11.12	95	230481	55.74	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	111.48%	

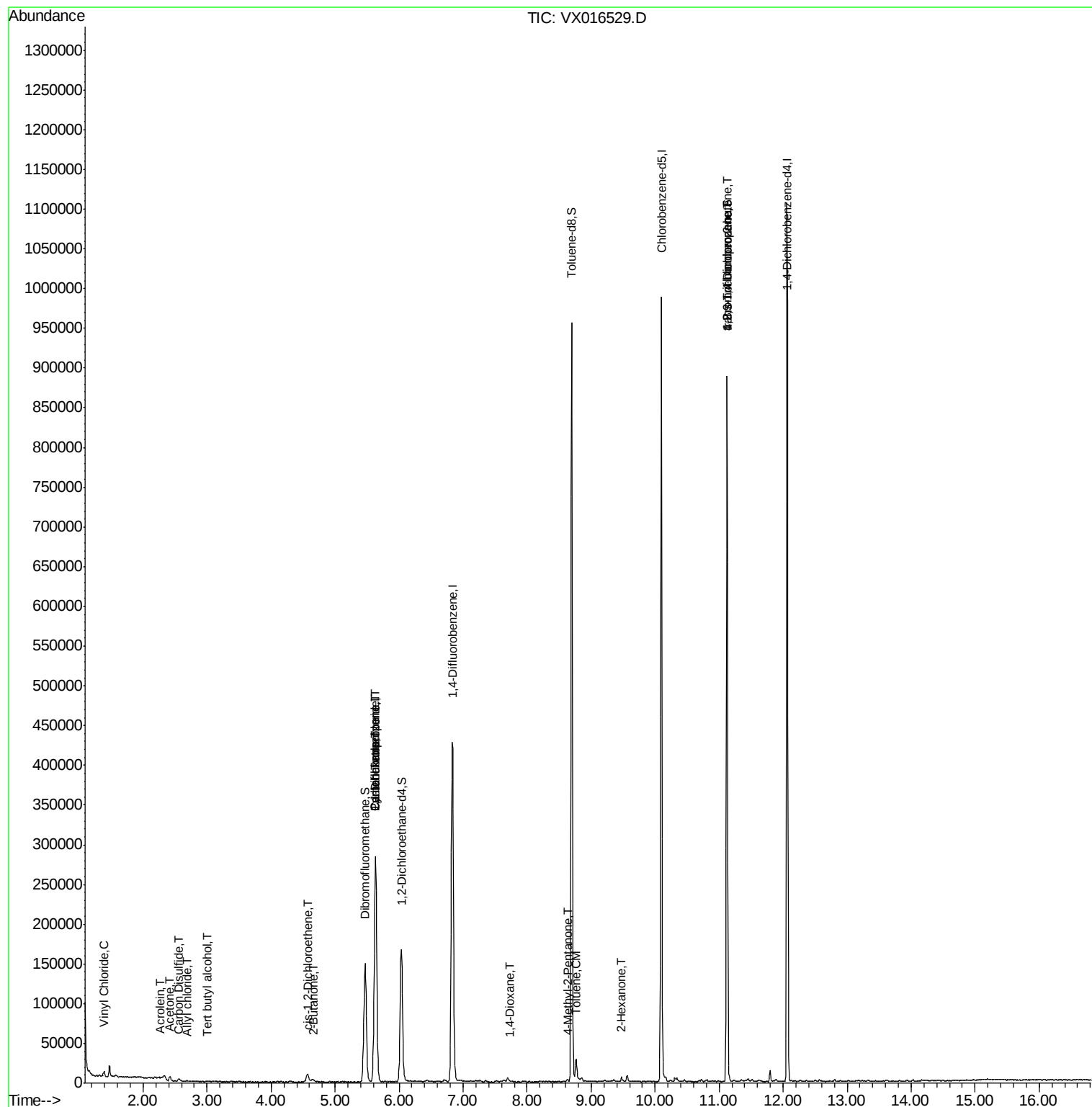
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.39	62	3431	0.971	ug/l	95
11) Tert butyl alcohol	3.00	59	630	0.704	ug/l #	72
13) Acrolein	2.27	56	482	1.267	ug/l #	32
14) Allyl chloride	2.68	41	1248	0.251	ug/l #	47
16) Acetone	2.42	43	5770	3.775	ug/l	93
17) Carbon Disulfide	2.55	76	3713	0.463	ug/l #	89
25) 2-Butanone	4.65	43	2634	1.017	ug/l #	85
27) cis-1,2-Dichloroethene	4.57	96	6549	1.894	ug/l	84
31) Cyclohexane	5.63	56	5310	1.095	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	20112	4.757	ug/l #	50
38) Carbon Tetrachloride	5.63	117	26325	5.925	ug/l #	17
49) 1,4-Dioxane	7.74	88	24	0.271	ug/l #	23
51) 4-Methyl-2-Pentanone	8.62	43	1204	0.244	ug/l	95
52) Toluene	8.77	92	9674	1.219	ug/l	98
59) 2-Hexanone	9.48	43	3000	0.783	ug/l	98
76) 1,2,3-Trichloropropane	11.12	75	111461	21.922	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	111461	53.924	ug/l #	14

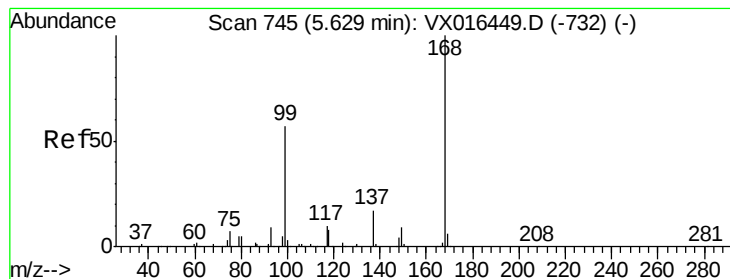
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX060120\
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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: VX016529.D

Acq: 01 Jun 2020 15:21

Instrument :

MSVOA_X

ClientSampleId :

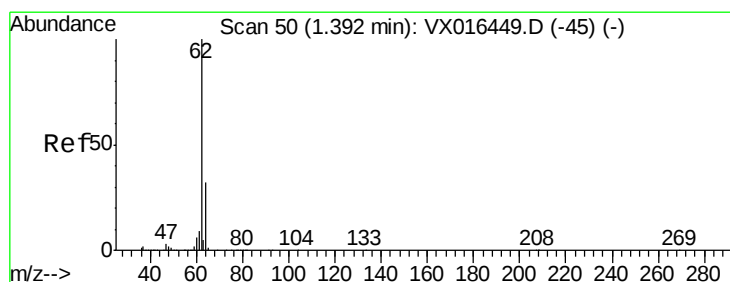
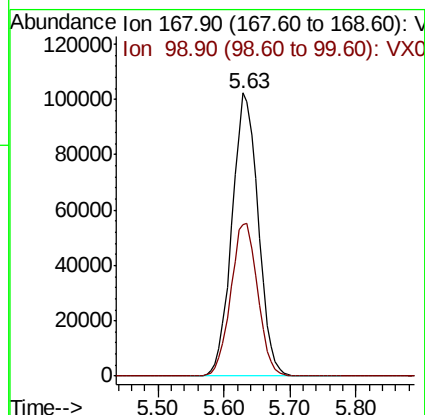
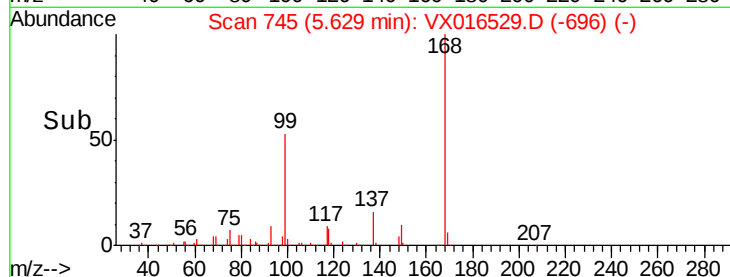
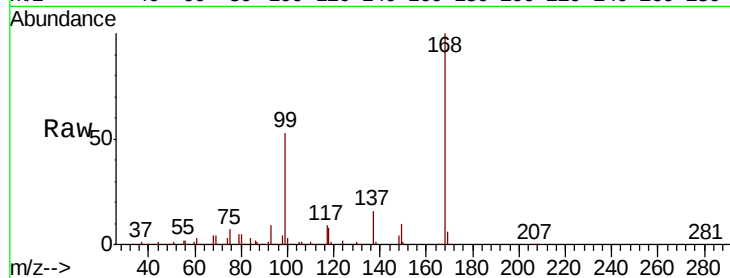
SS050MW109-200527

Tot Ion:168 Resp: 280901

Ion Ratio Lower Upper

168 100

99 53.4 45.2 67.8



#4

Vinyl Chloride

Concen: 0.971 ug/l

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX016529.D

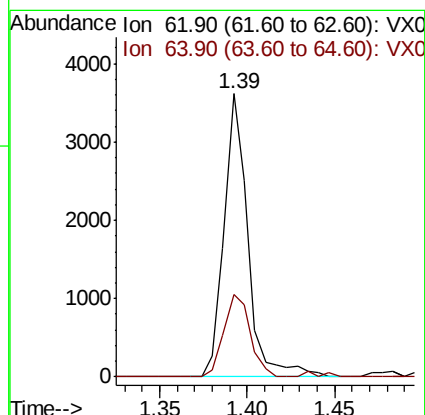
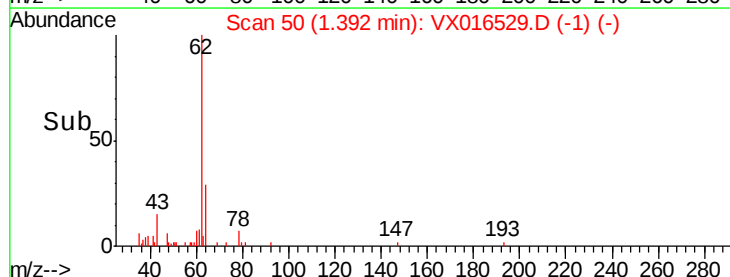
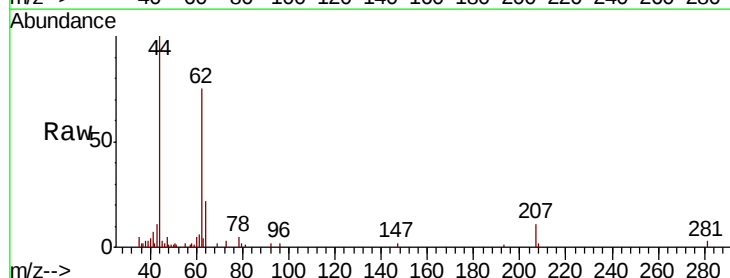
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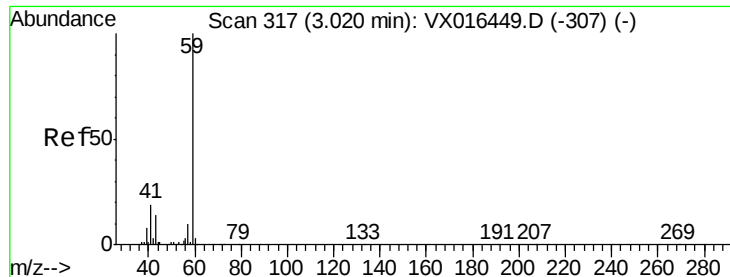
Tgt Ion: 62 Resp: 3431

Ion Ratio Lower Upper

62 100

64 29.3 25.9 38.9



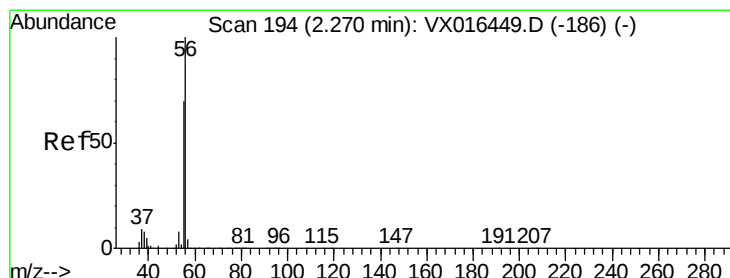
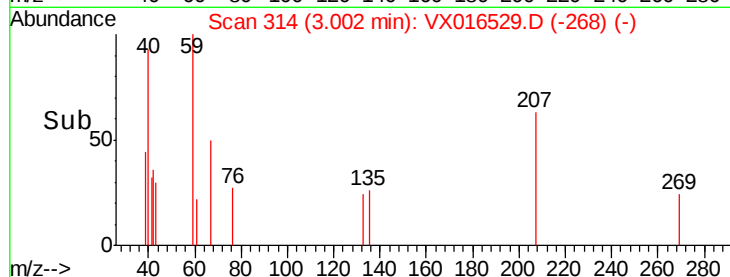
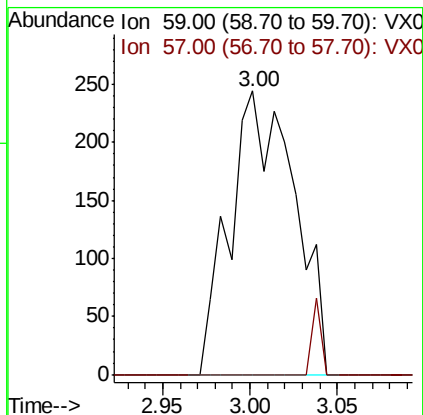
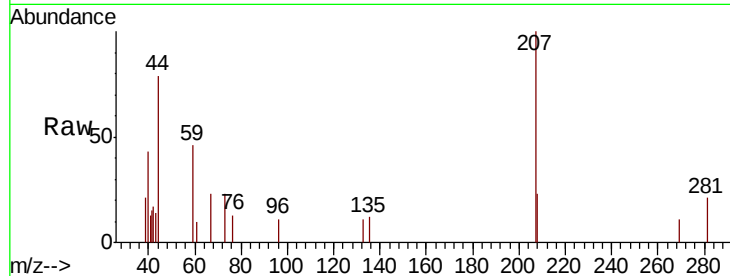


#11

Tert butyl alcohol
 Concen: 0.704 ug/l
 RT: 3.00 min Scan# 314
 Delta R.T. -0.02 min
 Lab File: VX016529.D
 Acq: 01 Jun 2020 15:21

Instrument :
 MSVOA_X
 ClientSampleId :
 SS050MW109-200527

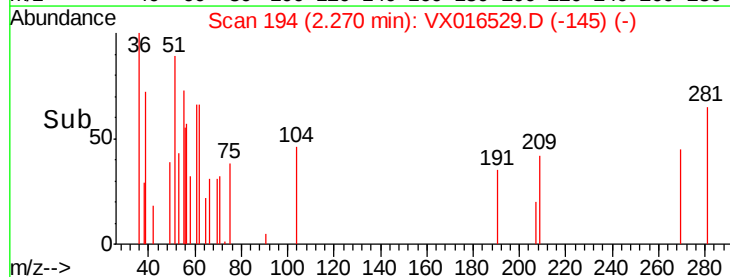
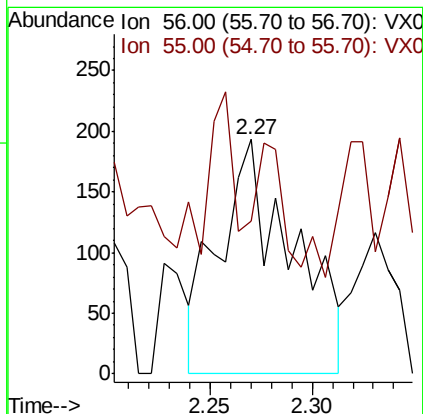
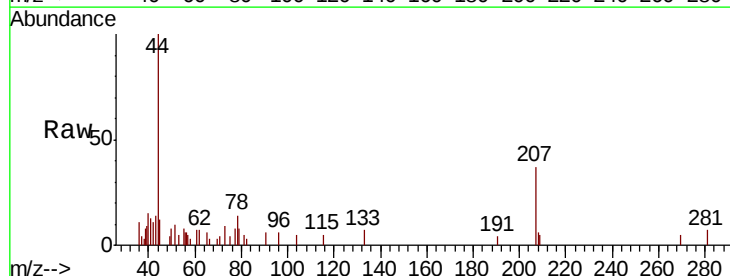
Tot Ion: 59 Resp: 630
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.4#

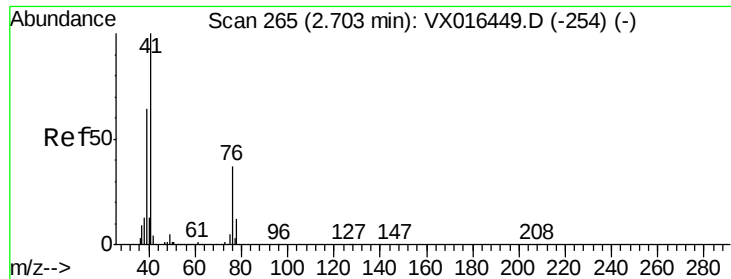


#13

Acrolein
 Concen: 1.267 ug/l
 RT: 2.27 min Scan# 194
 Delta R.T. 0.00 min
 Lab File: VX016529.D
 Acq: 01 Jun 2020 15:21

Tgt Ion: 56 Resp: 482
 Ion Ratio Lower Upper
 56 100
 55 16.2 58.3 87.5#

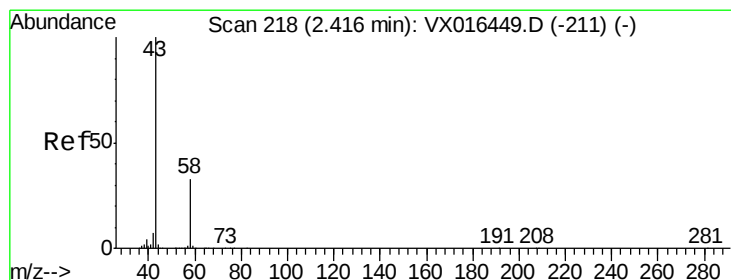
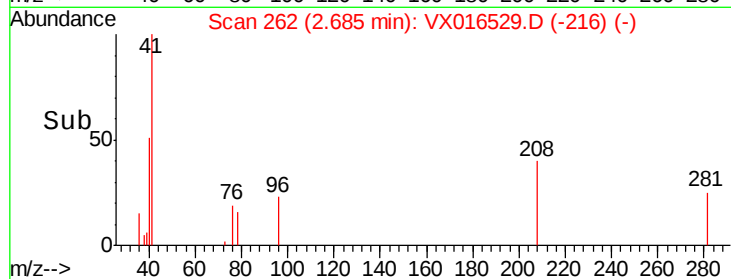
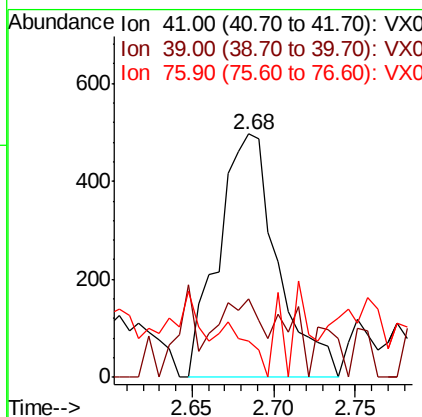
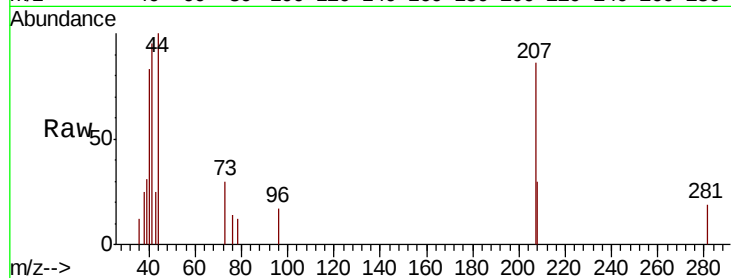




#14
Allvl chloride
Concen: 0.251 ug/l
RT: 2.68 min Scan# 262
Delta R.T. -0.02 min
Lab File: VX016529.D
Acq: 01 Jun 2020 15:21

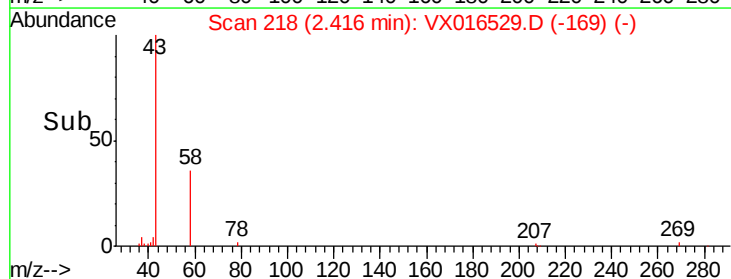
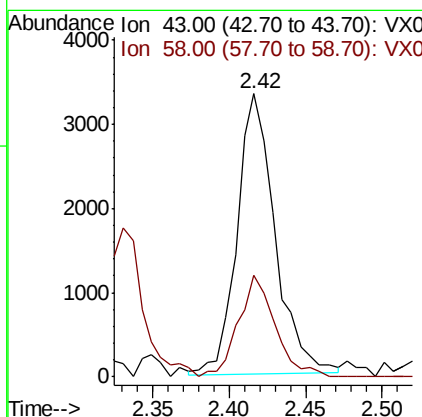
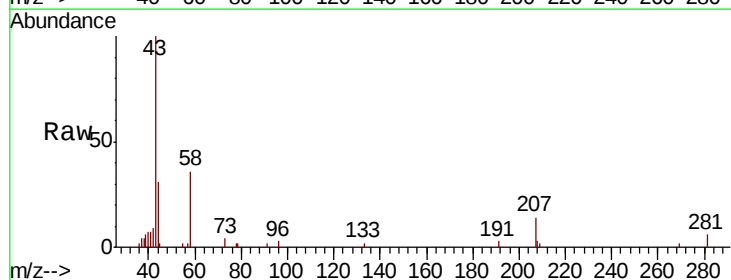
Instrument :
MSVOA_X
ClientSampleId :
SS050MW109-200527

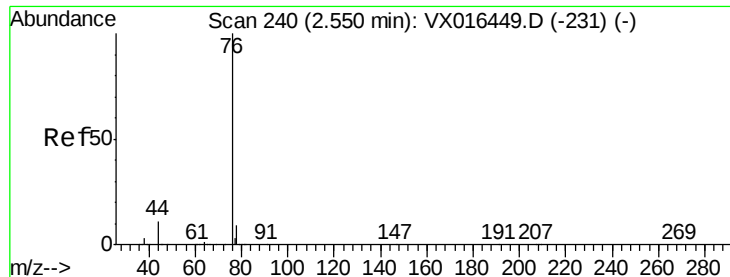
Tot Ion: 41 Resp: 1248
Ion Ratio Lower Upper
41 100
39 22.0 47.7 71.5#
76 0.0 26.6 40.0#



#16
Acetone
Concen: 3.775 ug/l
RT: 2.42 min Scan# 218
Delta R.T. 0.00 min
Lab File: VX016529.D
Acq: 01 Jun 2020 15:21

Tgt Ion: 43 Resp: 5770
Ion Ratio Lower Upper
43 100
58 36.7 26.1 39.1





#17

Carbon Disulfide

Concen: 0.463 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX016529.D

Acq: 01 Jun 2020 15:21

Instrument :

MSVOA_X

ClientSampleId :

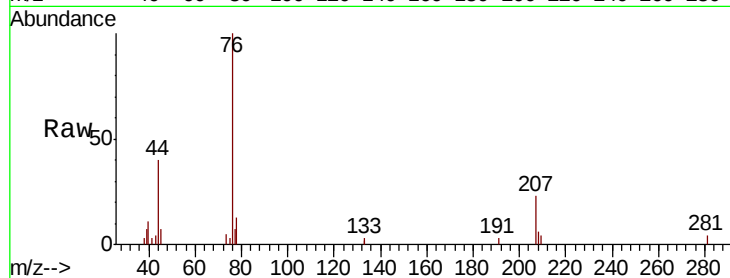
SS050MW109-200527

Tot Ion: 76 Resp: 3713

Ion Ratio Lower Upper

76 100

78 13.1 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2500

2000

1500

1000

500

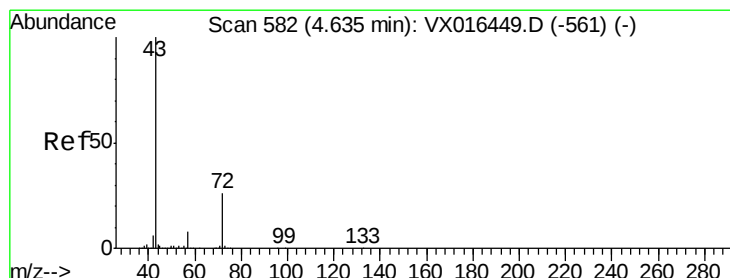
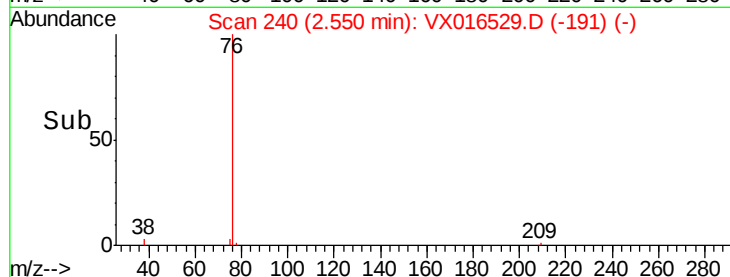
0

2.50

2.55

2.60

Time-->



#25

2-Butanone

Concen: 1.017 ug/l

RT: 4.65 min Scan# 585

Delta R.T. 0.02 min

Lab File: VX016529.D

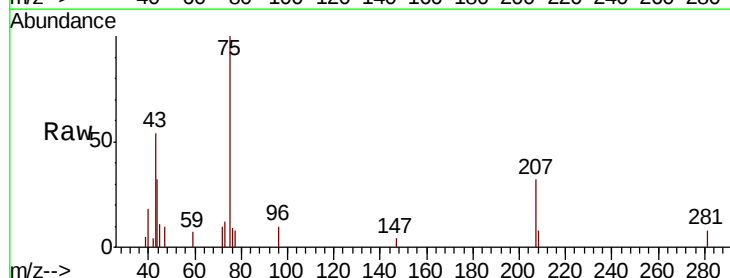
Acq: 01 Jun 2020 15:21

Tgt Ion: 43 Resp: 2634

Ion Ratio Lower Upper

43 100

72 18.7 21.0 31.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

800

600

400

200

0

4.55

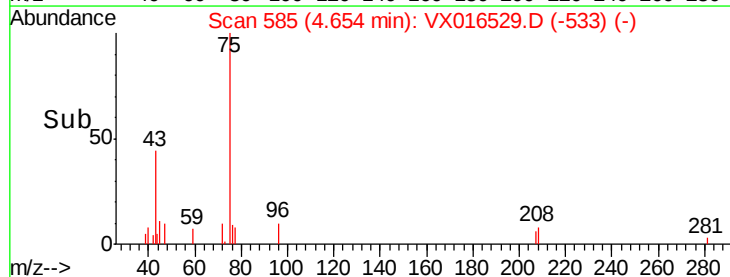
4.60

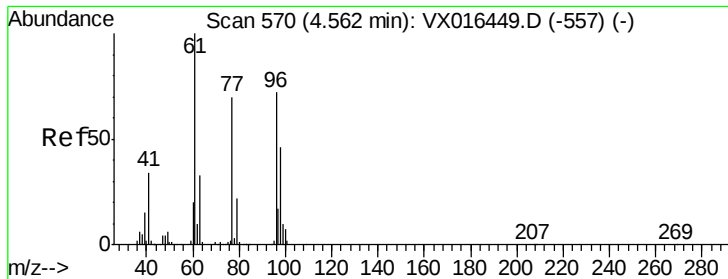
4.65

4.70

4.75

Time-->



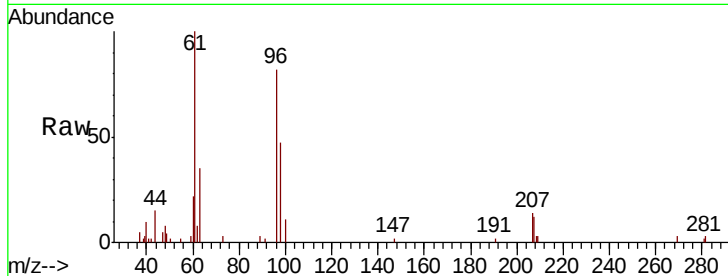


#27

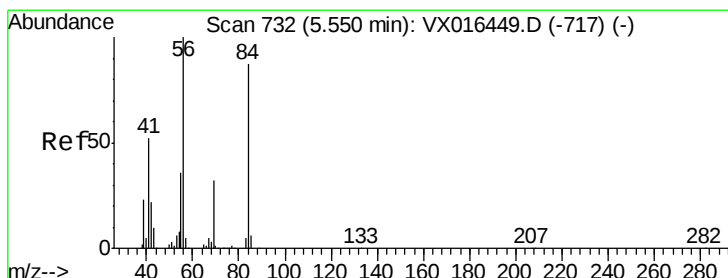
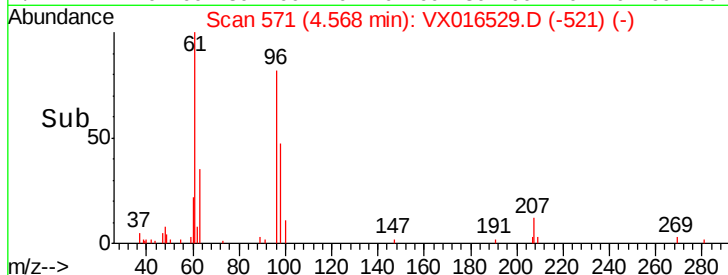
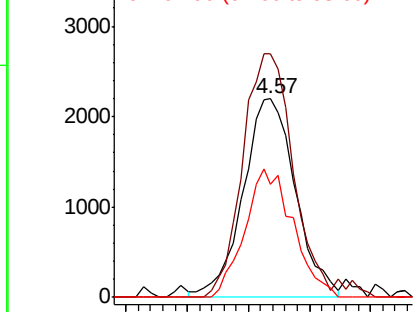
cis-1,2-Dichloroethene
Concen: 1.894 ug/l
RT: 4.57 min Scan# 571
Delta R.T. 0.01 min
Lab File: VX016529.D
Acq: 01 Jun 2020 15:21

Instrument :
MSVOA_X
ClientSampleId :
SS050MW109-200527

Tot Ion: 96 Resp: 6549
Ion Ratio Lower Upper
96 100
61 117.2 0.0 284.6
98 59.5 0.0 127.2



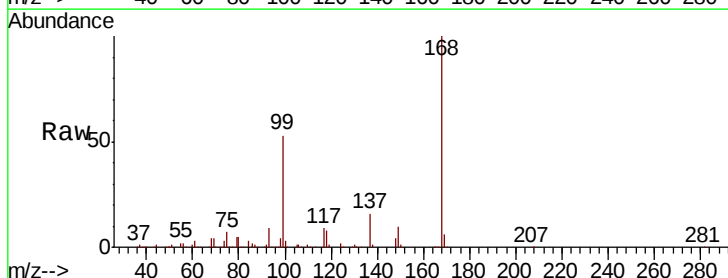
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



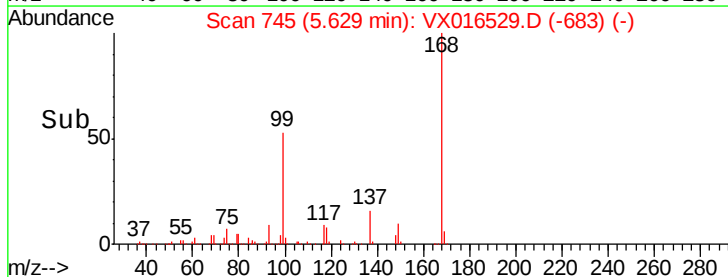
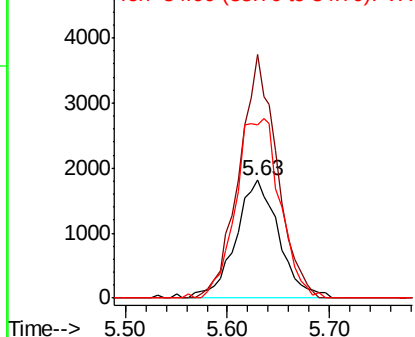
#31

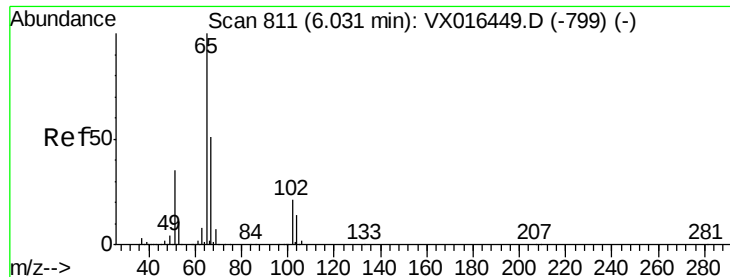
Cyclohexane
Concen: 1.095 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX016529.D
Acq: 01 Jun 2020 15:21

Tgt Ion: 56 Resp: 5310
Ion Ratio Lower Upper
56 100
69 206.3 25.7 38.5#
84 146.9 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: 46.353 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.00 min

Lab File: VX016529.D

Acq: 01 Jun 2020 15:21

Instrument :

MSVOA_X

ClientSampleId :

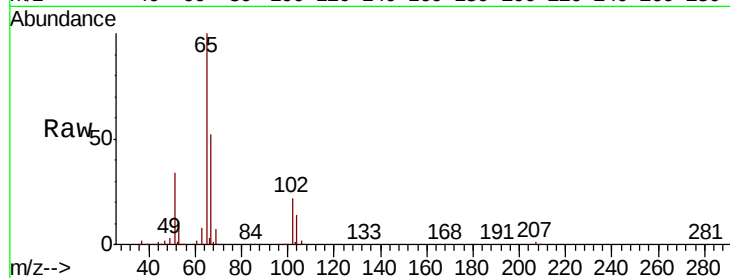
SS050MW109-200527

Tot Ion: 65 Resp: 161698

Ion Ratio Lower Upper

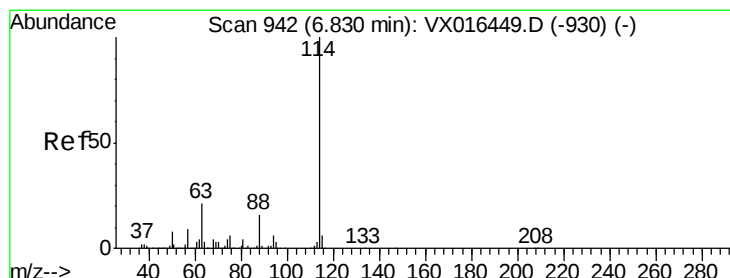
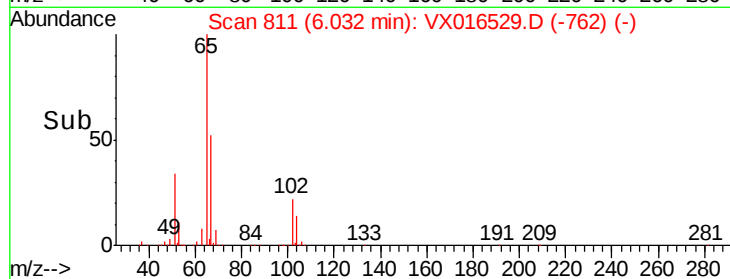
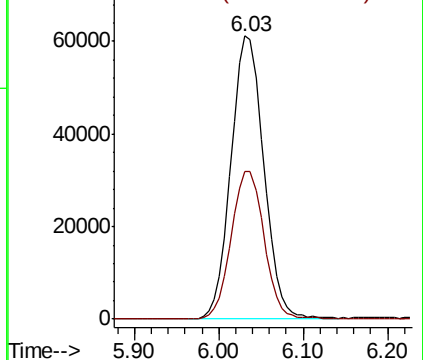
65 100

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: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX016529.D

Acq: 01 Jun 2020 15:21

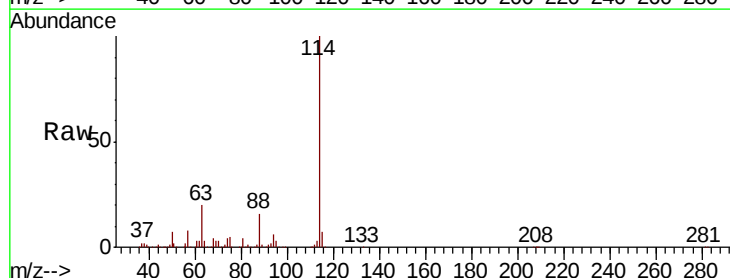
Tgt Ion: 114 Resp: 446512

Ion Ratio Lower Upper

114 100

63 20.3 0.0 42.6

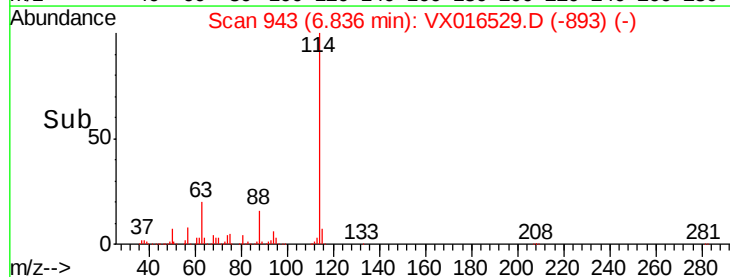
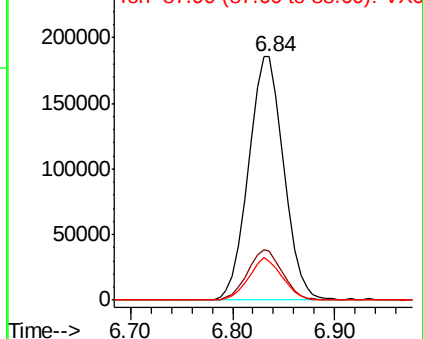
88 15.8 0.0 32.8

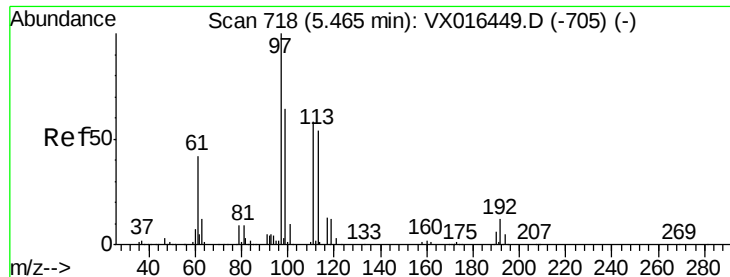


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

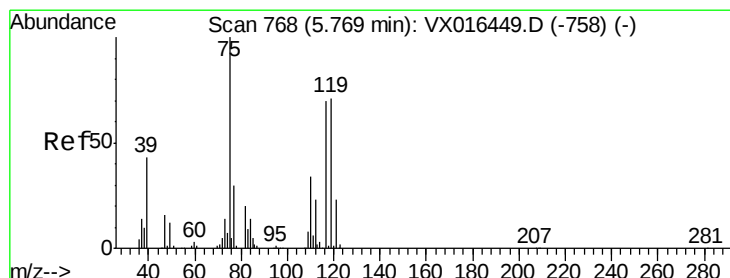
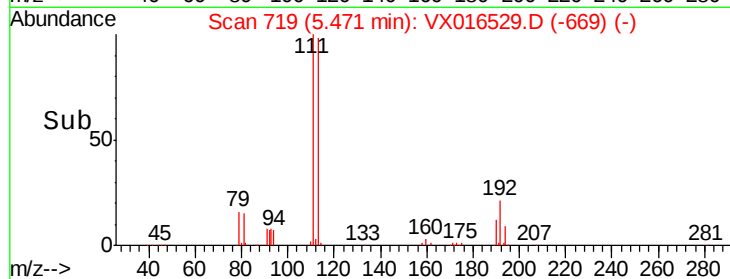
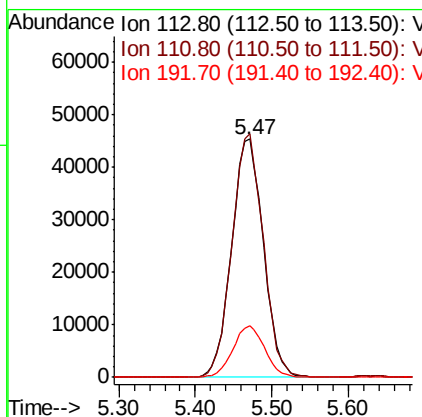
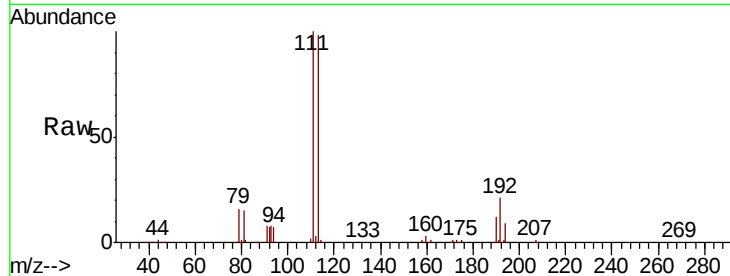




#35
 Dibromofluoromethane
 Concen: 47.620 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. 0.01 min
 Lab File: VX016529.D
 Acq: 01 Jun 2020 15:21

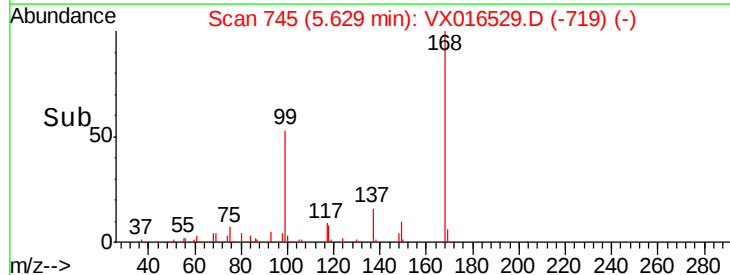
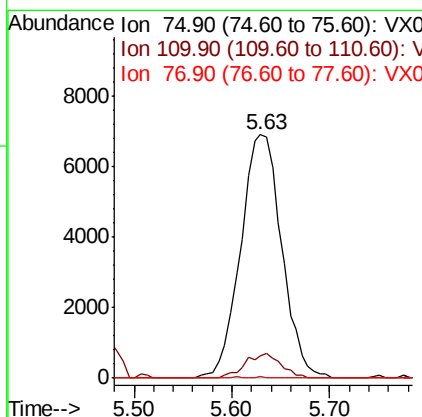
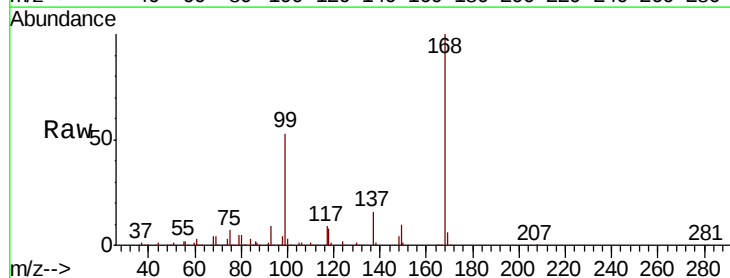
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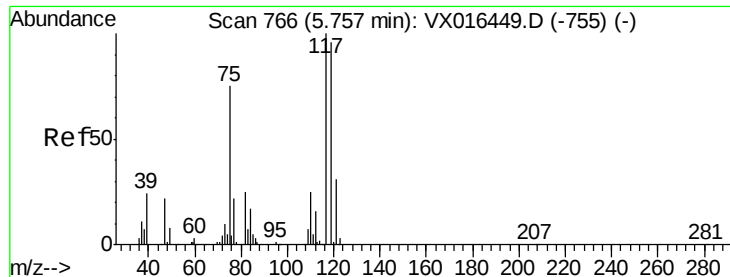
Tot Ion	Ratio	Lower	Upper
113	100		
111	100.3	83.0	124.6
192	21.6	17.7	26.5



#36
 1,1-Dichloropropene
 Concen: 4.757 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX016529.D
 Acq: 01 Jun 2020 15:21

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.9	17.4	52.3#
77	0.1	24.2	36.4#





#38

Carbon Tetrachloride

Concen: 5.925 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX016529.D

Acq: 01 Jun 2020 15:21

Instrument :

MSVOA_X

ClientSampleId :

SS050MW109-200527

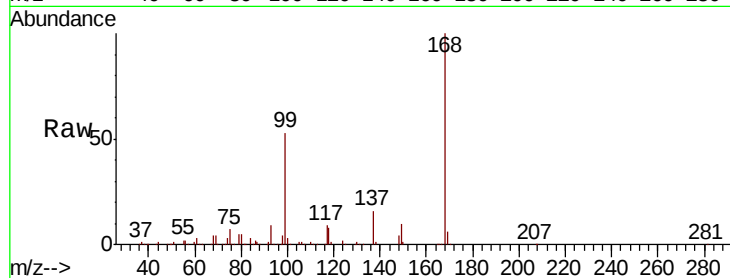
Tot Ion:117 Resp: 26325

Ion Ratio Lower Upper

117 100

119 5.8 76.3 114.5#

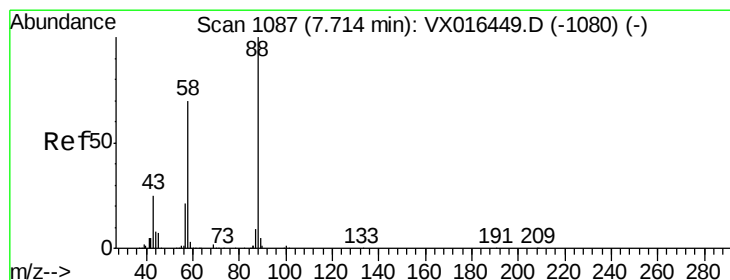
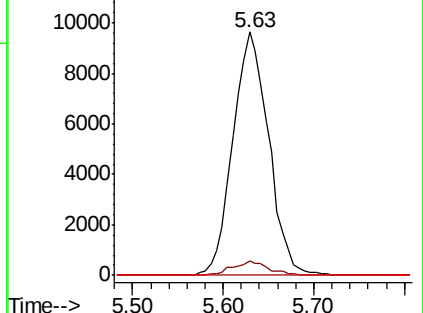
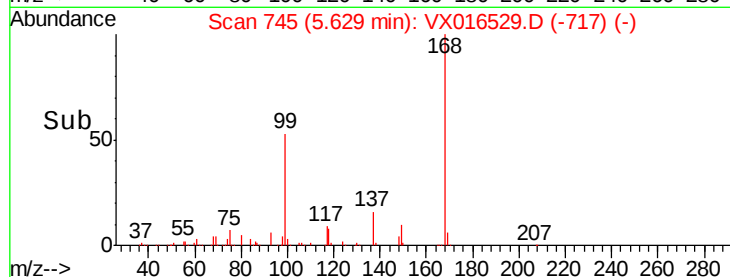
121 0.0 24.6 37.0#



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: 0.271 ug/l

RT: 7.74 min Scan# 1091

Delta R.T. 0.02 min

Lab File: VX016529.D

Acq: 01 Jun 2020 15:21

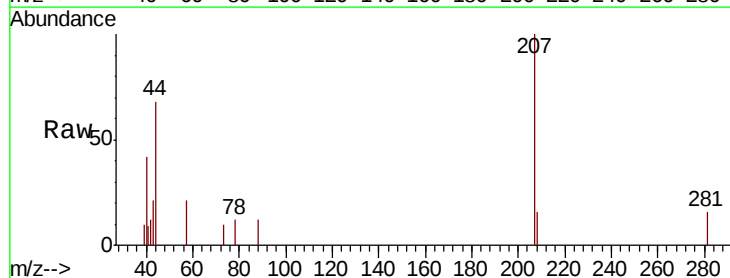
Tgt Ion: 88 Resp: 24

Ion Ratio Lower Upper

88 100

43 0.0 24.2 36.4#

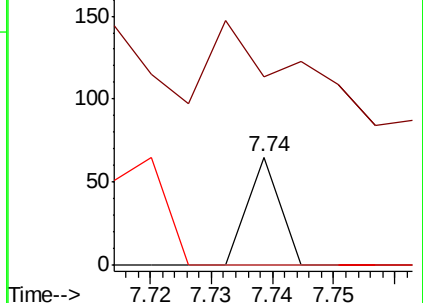
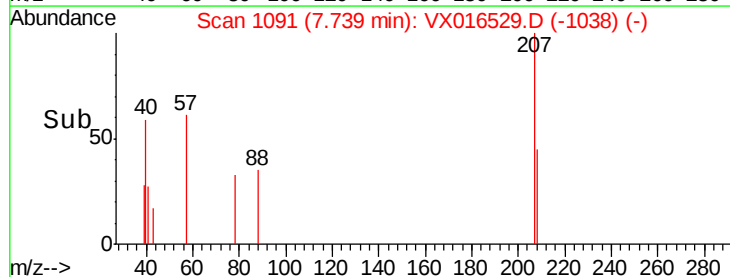
58 0.0 56.5 84.7#

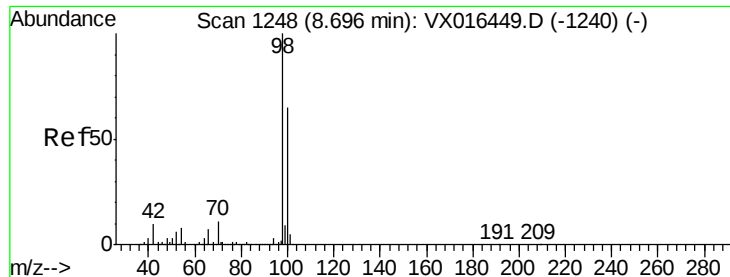


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 52.283 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX016529.D

Acq: 01 Jun 2020 15:21

Instrument :

MSVOA_X

ClientSampleId :

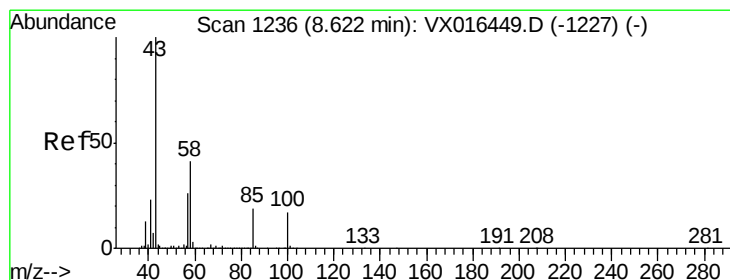
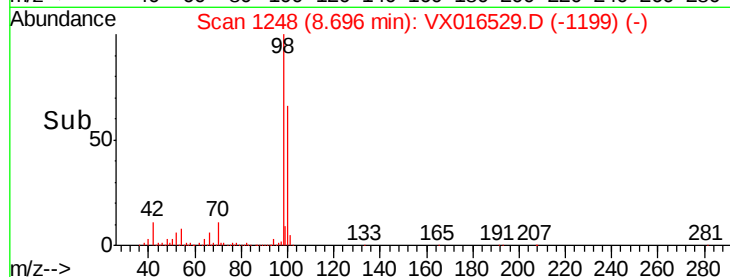
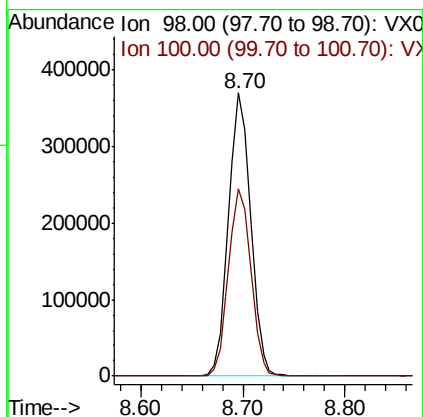
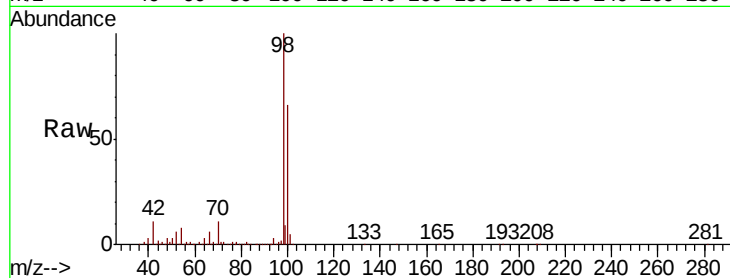
SS050MW109-200527

Tot Ion: 98 Resp: 559493

Ion Ratio Lower Upper

98 100

100 67.0 53.8 80.6



#51

4-Methyl-2-Pentanone

Concen: 0.244 ug/l

RT: 8.62 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VX016529.D

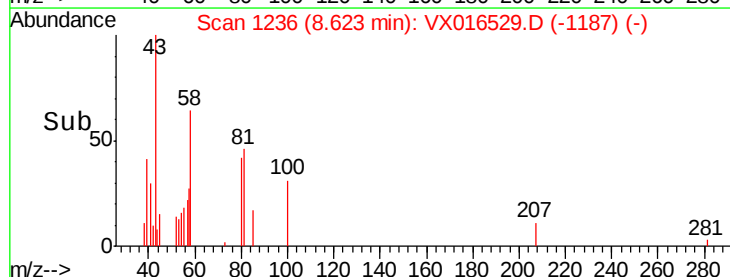
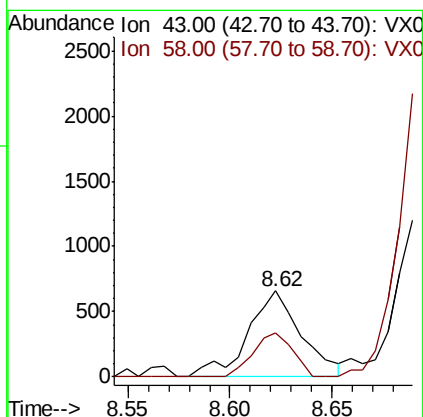
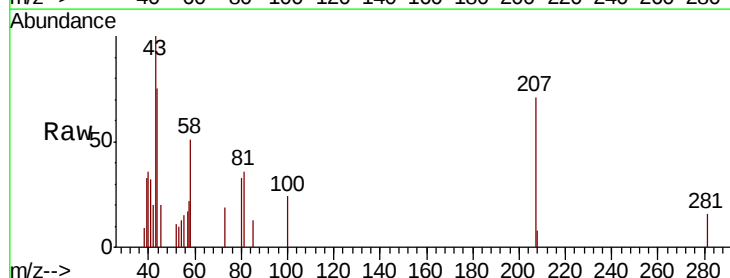
Acq: 01 Jun 2020 15:21

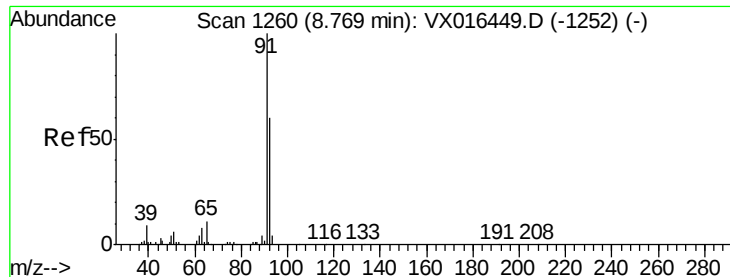
Tgt Ion: 43 Resp: 1204

Ion Ratio Lower Upper

43 100

58 37.9 33.0 49.6





#52

Toluene

Concen: 1.219 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VX016529.D

Acq: 01 Jun 2020 15:21

Instrument :

MSVOA_X

ClientSampleId :

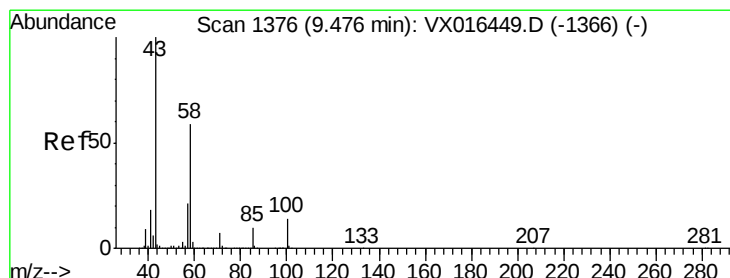
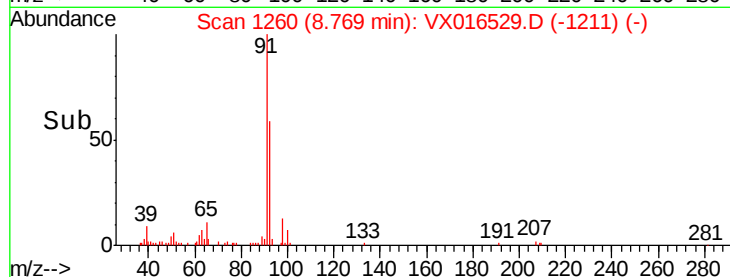
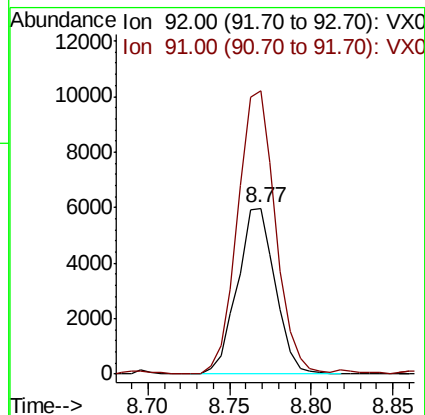
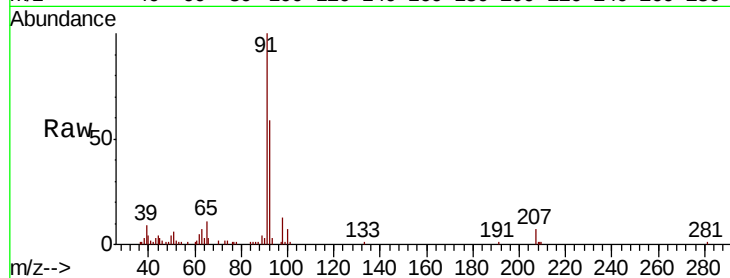
SS050MW109-200527

Tot Ion: 92 Resp: 9674

Ion Ratio Lower Upper

92 100

91 171.0 135.0 202.4



#59

2-Hexanone

Concen: 0.783 ug/l

RT: 9.48 min Scan# 1376

Delta R.T. 0.00 min

Lab File: VX016529.D

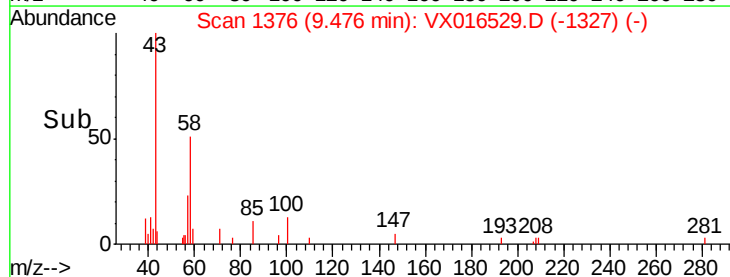
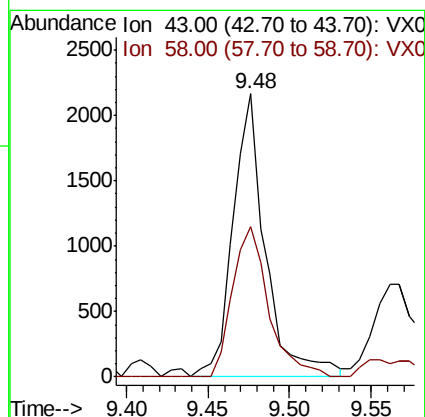
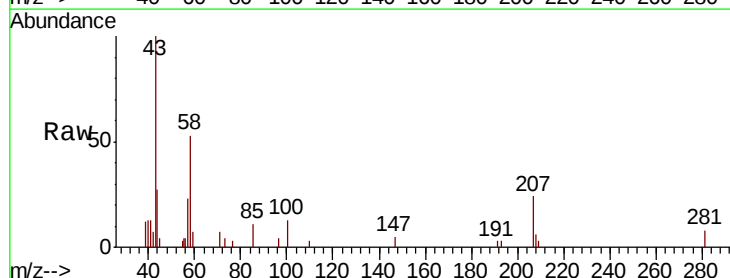
Acq: 01 Jun 2020 15:21

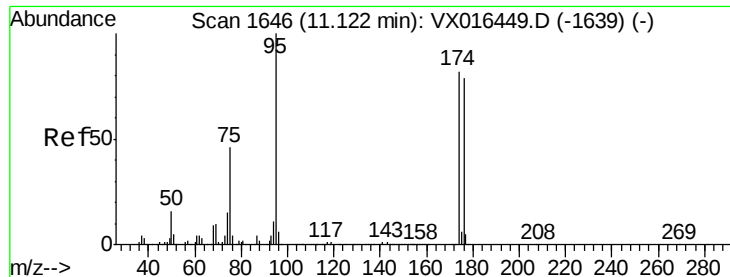
Tgt Ion: 43 Resp: 3000

Ion Ratio Lower Upper

43 100

58 59.1 28.8 86.4





#62

4-Bromofluorobenzene

Concen: 55.740 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX016529.D

Acq: 01 Jun 2020 15:21

Instrument :

MSVOA_X

ClientSampleId :

SS050MW109-200527

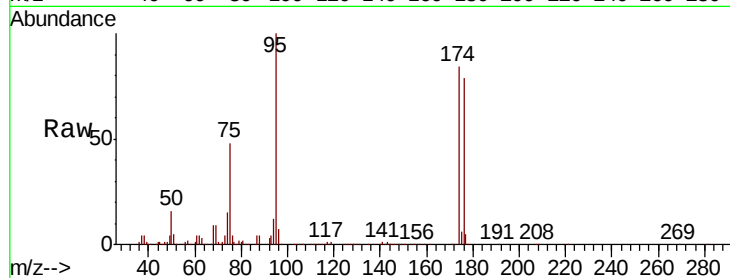
Tot Ion: 95 Resp: 230481

Ion Ratio Lower Upper

95 100

174 83.5 0.0 163.0

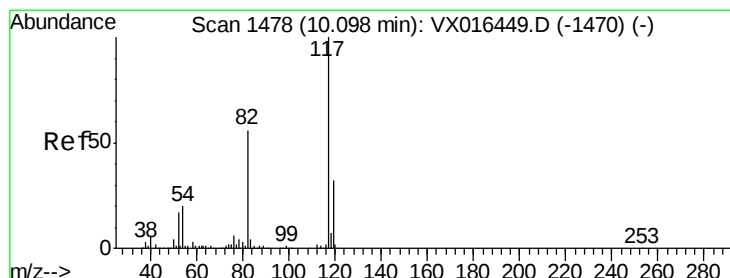
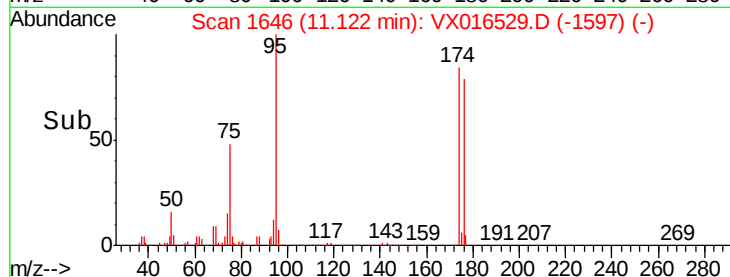
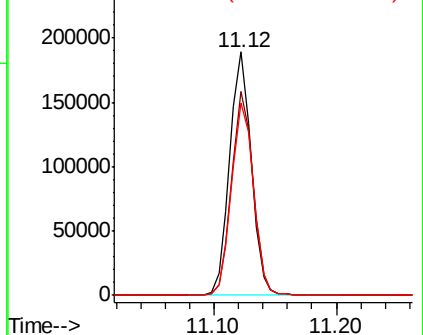
176 80.8 0.0 156.8



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: VX016529.D

Acq: 01 Jun 2020 15:21

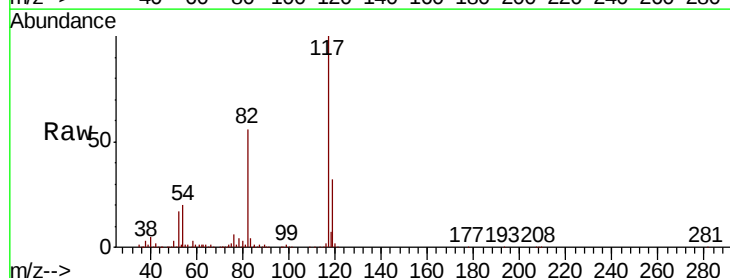
Tgt Ion: 117 Resp: 446824

Ion Ratio Lower Upper

117 100

82 55.6 45.0 67.6

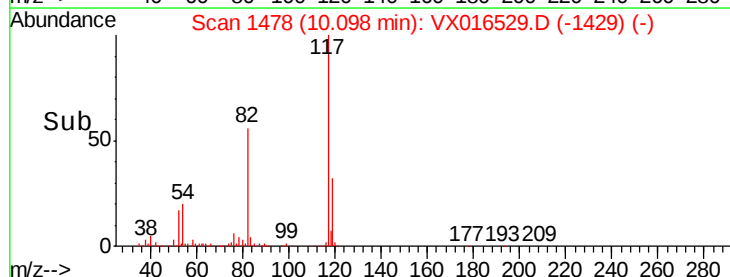
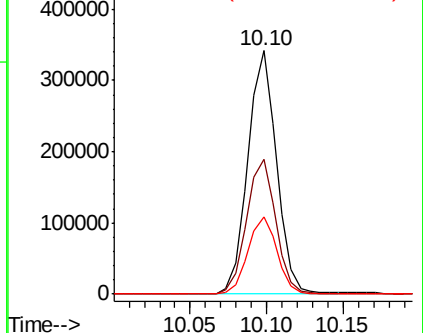
119 31.8 25.8 38.8

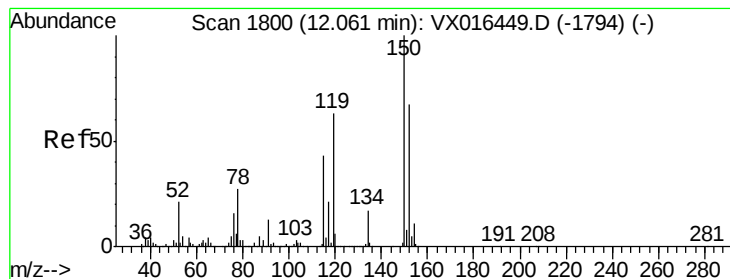


Abundance Ion 116.90 (116.60 to 117.60): V

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: VX016529.D

Acq: 01 Jun 2020 15:21

Instrument :

MSVOA_X

ClientSampleId :

SS050MW109-200527

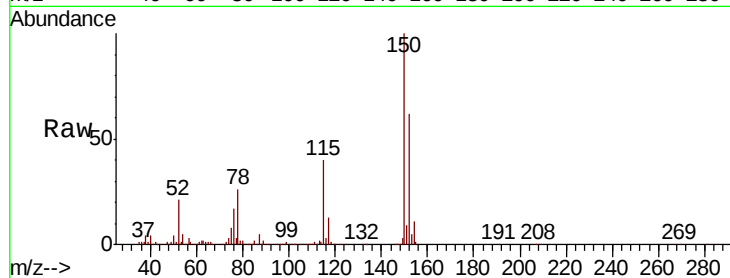
Tot Ion:152 Resp: 231317

Ion Ratio Lower Upper

152 100

115 59.7 39.9 119.6

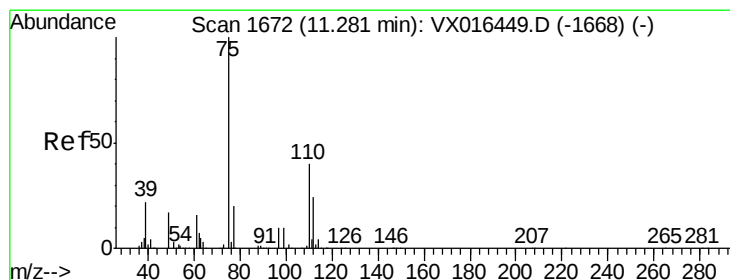
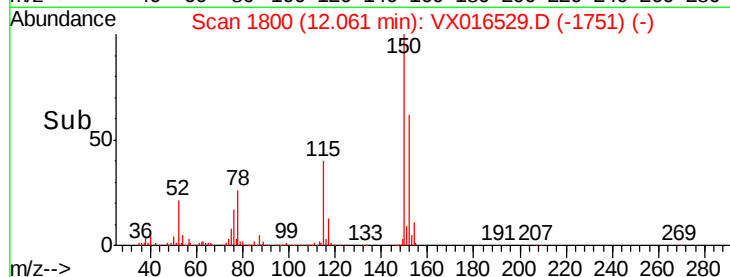
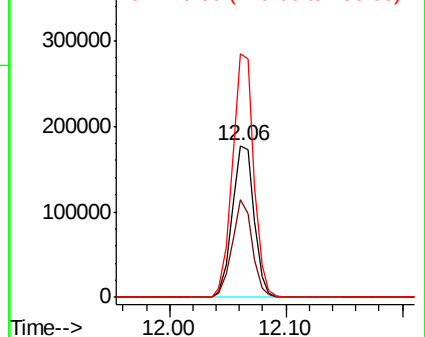
150 157.1 0.0 341.0



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: 21.922 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016529.D

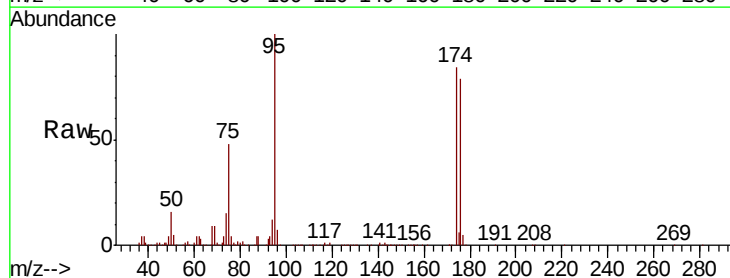
Acq: 01 Jun 2020 15:21

Tgt Ion: 75 Resp: 111461

Ion Ratio Lower Upper

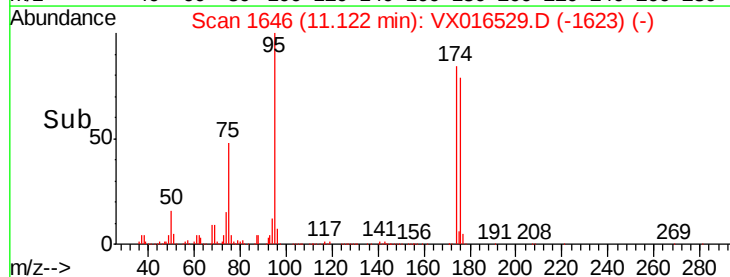
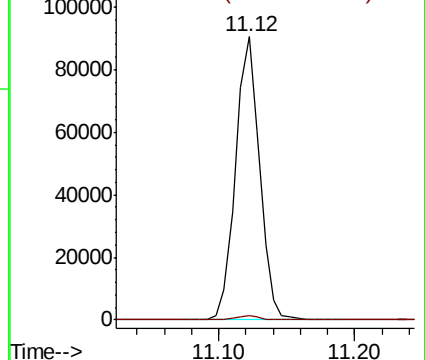
75 100

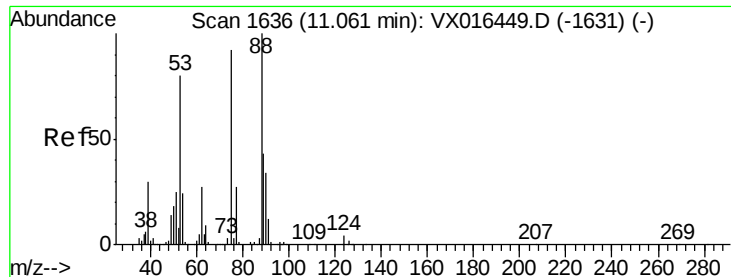
77 1.4 21.3 63.7#



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: 53.924 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.06 min
Lab File: VX016529.D
Acq: 01 Jun 2020 15:21

Instrument :
MSVOA_X
ClientSampleId :
SS050MW109-200527

Tot Ion: 75 Resp: 111461
Ion Ratio Lower Upper
75 100
53 0.0 71.3 106.9#
89 0.0 36.6 55.0#

