

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061620\
 Data File : VX016809.D
 Acq On : 17 Jun 2020 03:58
 Operator : JC/SP
 Sample : L2984-07 100X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S49-0567

Quant Time: Jun 17 05:07:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061520W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 16 02:02:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	280163	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	446807	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	450800	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	236329	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	156600	49.70	ug/l	0.00
Spiked Amount			Recovery	=	99.40%	
35) Dibromofluoromethane	5.47	113	133713	48.50	ug/l	0.00
Spiked Amount			Recovery	=	97.00%	
50) Toluene-d8	8.70	98	538366	52.96	ug/l	0.00
Spiked Amount			Recovery	=	105.92%	
62) 4-Bromofluorobenzene	11.12	95	224070	57.63	ug/l	0.00
Spiked Amount			Recovery	=	115.26%	

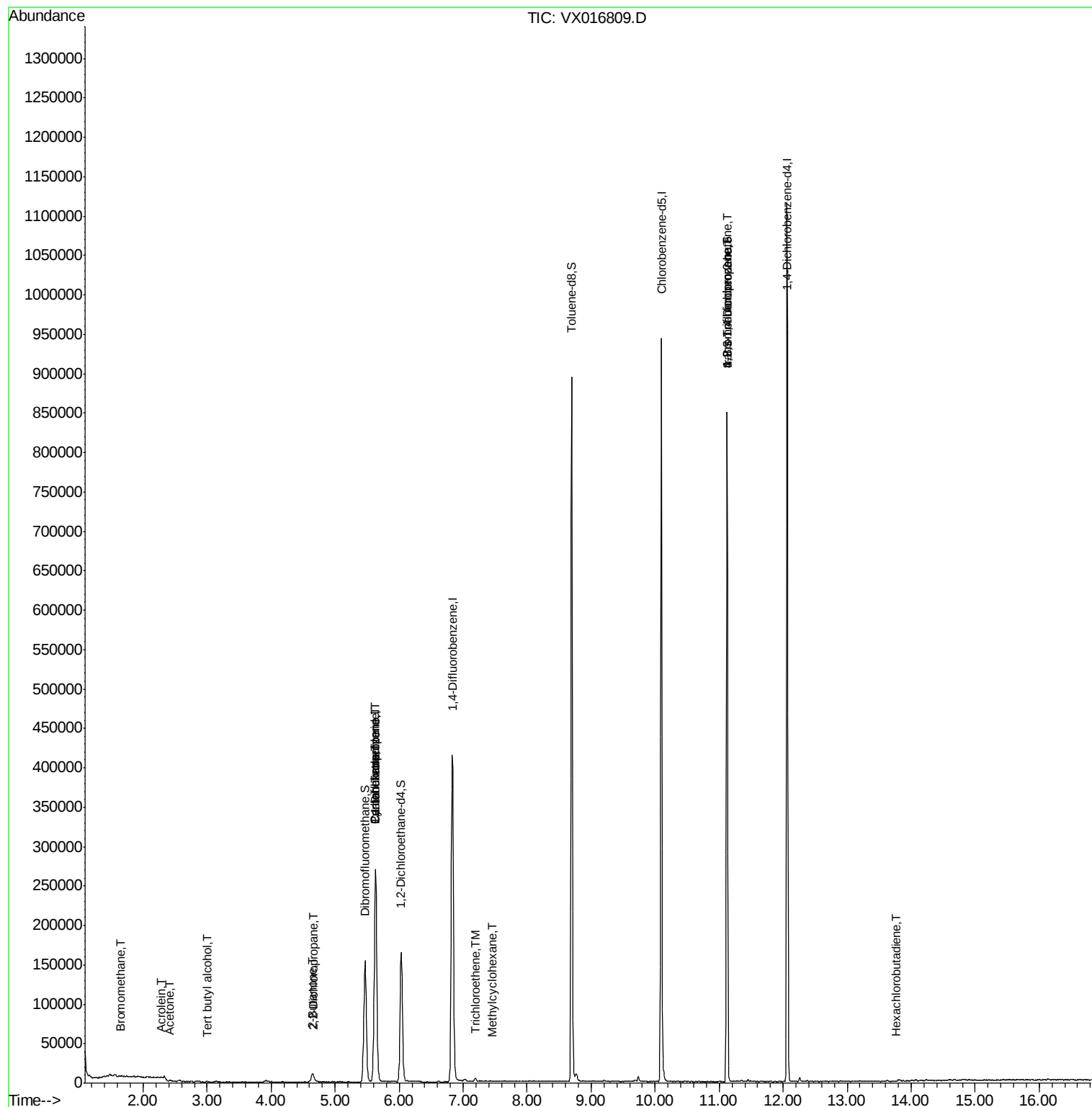
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	447	0.221	ug/l #	27
11) Tert butyl alcohol	3.00	59	358	0.452	ug/l #	73
13) Acrolein	2.28	56	565	3.966	ug/l	99
16) Acetone	2.42	43	1303	0.912	ug/l #	83
25) 2-Butanone	4.64	43	2478	1.150	ug/l	99
26) 2,2-Dichloropropane	4.66	77	1019	0.219	ug/l #	53
31) Cyclohexane	5.62	56	4462	1.781	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	18064	4.575	ug/l #	51
38) Carbon Tetrachloride	5.63	117	25207	5.621	ug/l #	16
39) Methylcyclohexane	7.45	83	126	0.980	ug/l #	19
44) Trichloroethene	7.18	130	1569	0.422	ug/l	90
76) 1,2,3-Trichloropropane	11.12	75	106175	21.364	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	106175	53.782	ug/l #	13
94) Hexachlorobutadiene	13.77	225	74	0.446	ug/l #	38

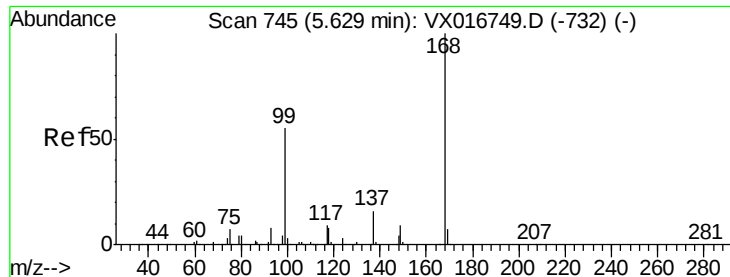
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X061520W.M
Quant Title : SW846 8260
QLast Update : Tue Jun 16 02:02:35 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX016809.D

Acq: 17 Jun 2020 03:58

Instrument :

MSVOA_X

ClientSampleId :

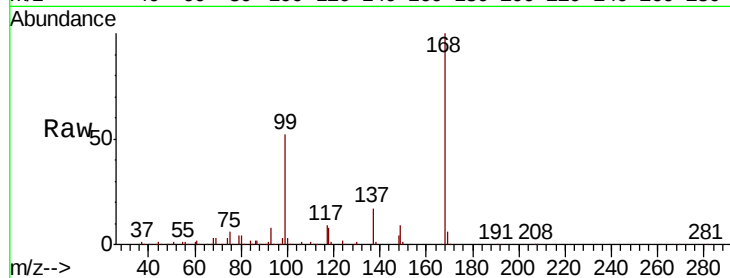
S49-0567

Tot Ion:168 Resp: 280163

Ion Ratio Lower Upper

168 100

99 51.9 43.8 65.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

100000

80000

60000

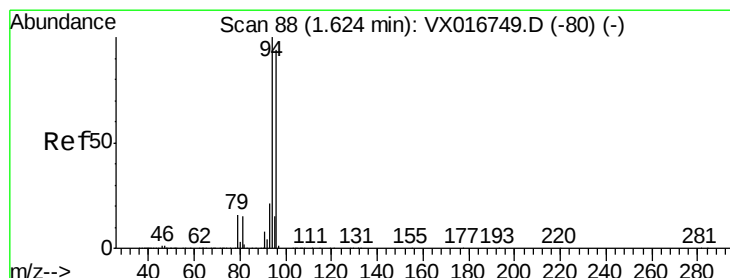
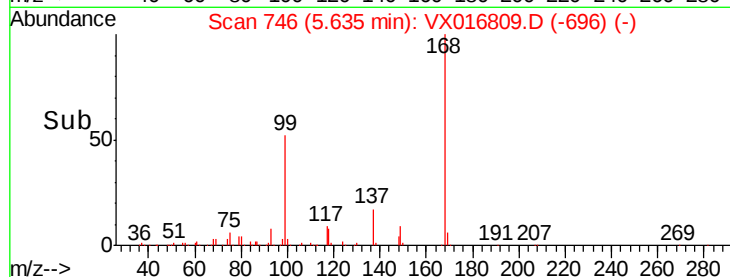
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.221 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX016809.D

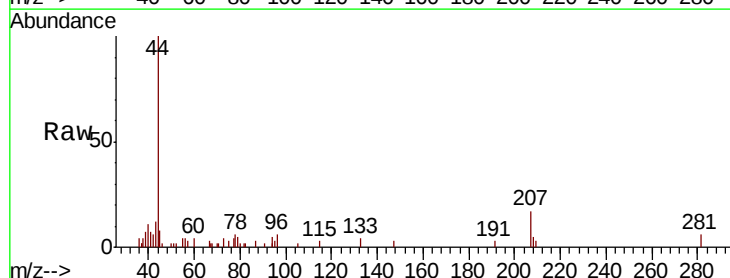
Acq: 17 Jun 2020 03:58

Tgt Ion: 94 Resp: 447

Ion Ratio Lower Upper

94 100

96 23.7 75.4 113.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

250

200

150

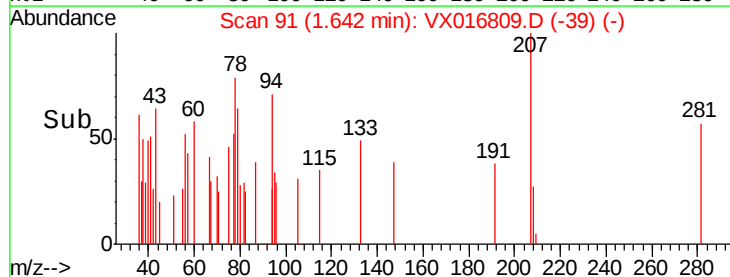
100

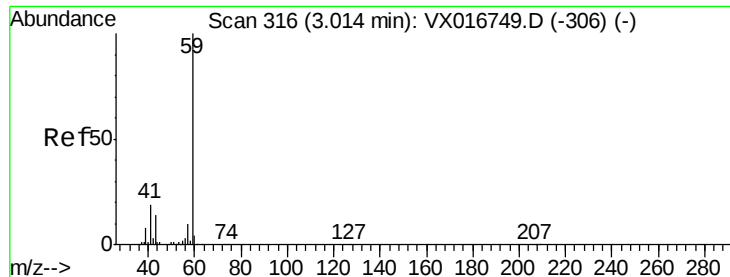
50

0

Time-->

1.60 1.65 1.70

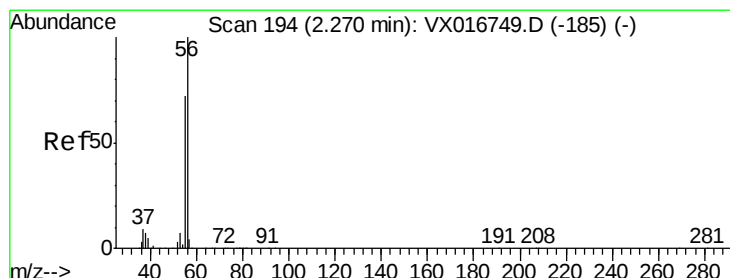
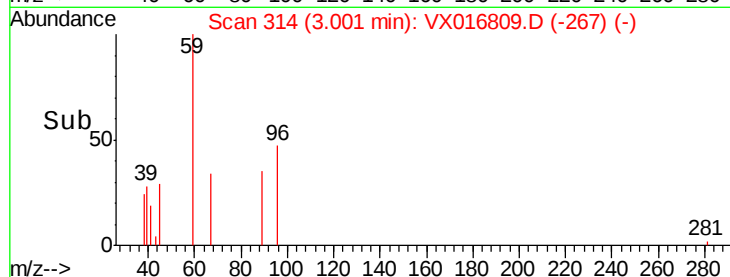
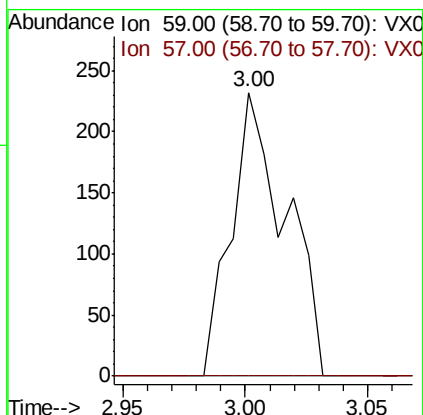
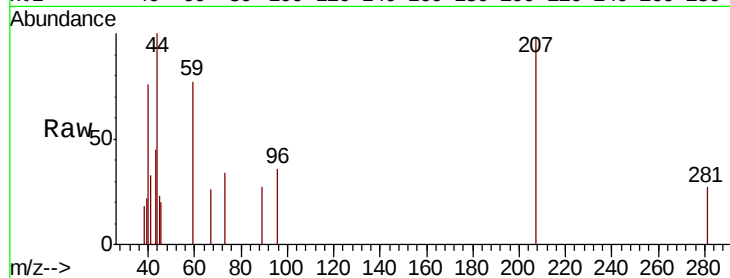




#11
Tert butvl alcohol
Concen: 0.452 ug/l
RT: 3.00 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX016809.D
Acq: 17 Jun 2020 03:58

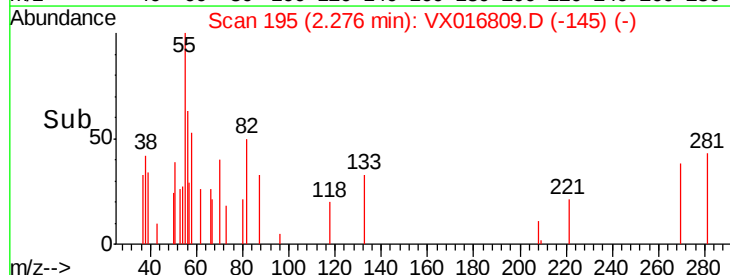
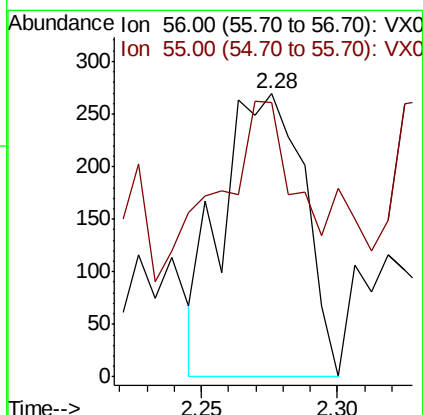
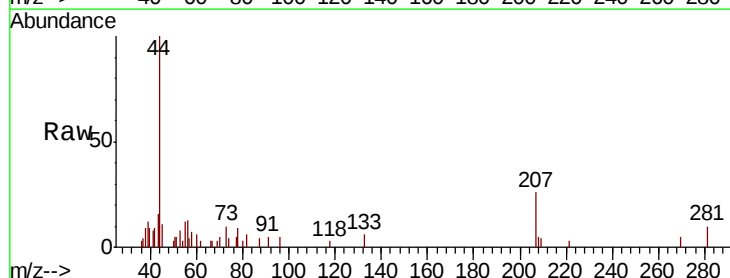
Instrument :
MSVOA_X
ClientSampleId :
S49-0567

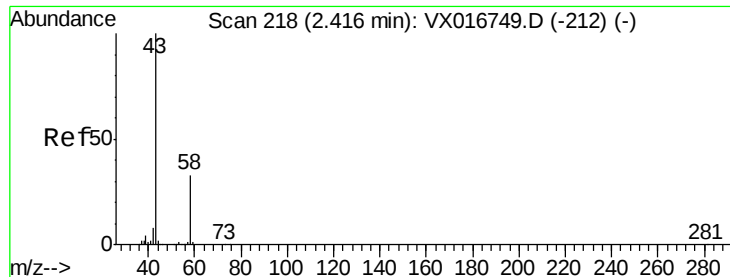
Tot Ion: 59 Resp: 358
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#13
Acrolein
Concen: 3.966 ug/l
RT: 2.28 min Scan# 195
Delta R.T. 0.01 min
Lab File: VX016809.D
Acq: 17 Jun 2020 03:58

Tgt Ion: 56 Resp: 565
Ion Ratio Lower Upper
56 100
55 71.7 58.2 87.4





#16

Acetone

Concen: 0.912 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.01 min

Lab File: VX016809.D

Acq: 17 Jun 2020 03:58

Instrument :

MSVOA_X

ClientSampled :

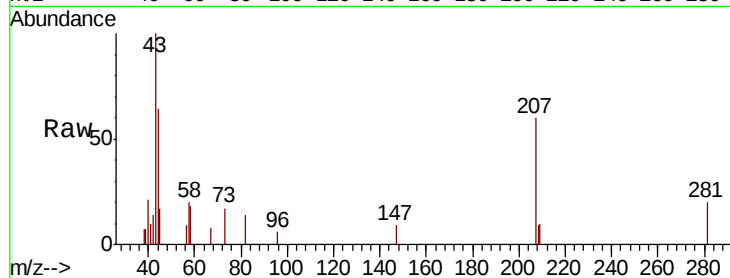
S49-0567

Tot Ion: 43 Resp: 1303

Ion Ratio Lower Upper

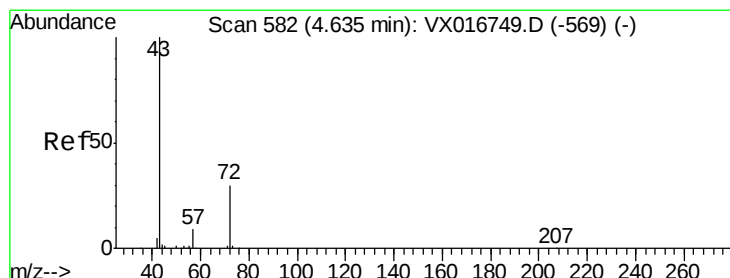
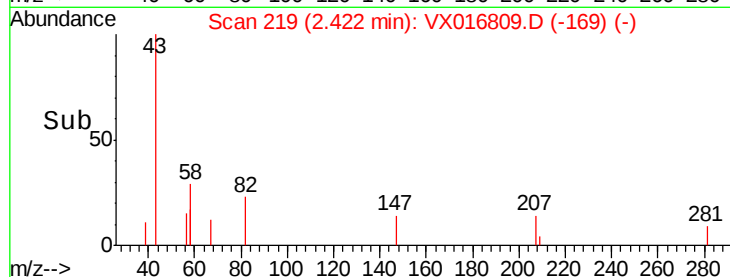
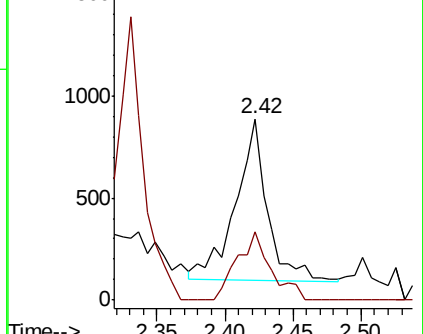
43 100

58 42.7 26.3 39.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#25

2-Butanone

Concen: 1.150 ug/l

RT: 4.64 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX016809.D

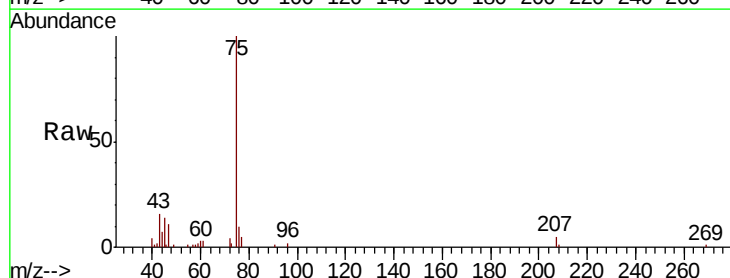
Acq: 17 Jun 2020 03:58

Tgt Ion: 43 Resp: 2478

Ion Ratio Lower Upper

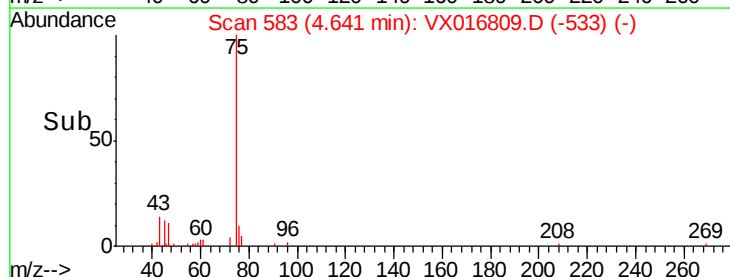
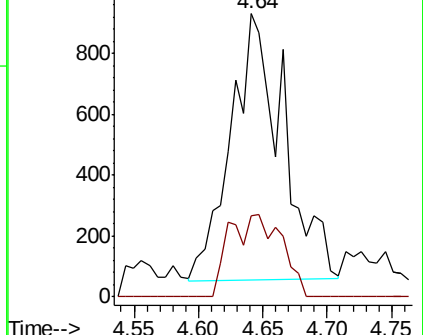
43 100

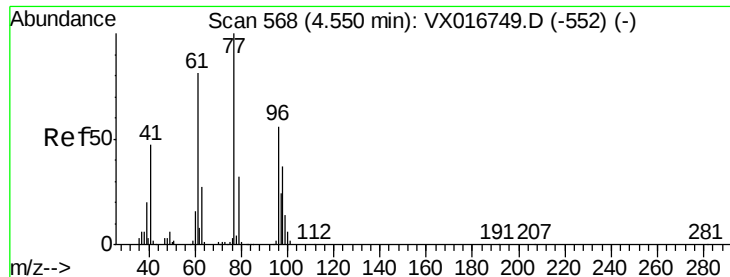
72 30.6 24.2 36.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#26

2,2-Dichloropropane

Concen: 0.219 ug/l

RT: 4.66 min Scan# 586

Delta R.T. 0.11 min

Lab File: VX016809.D

Acq: 17 Jun 2020 03:58

Instrument :

MSVOA_X

ClientSampleId :

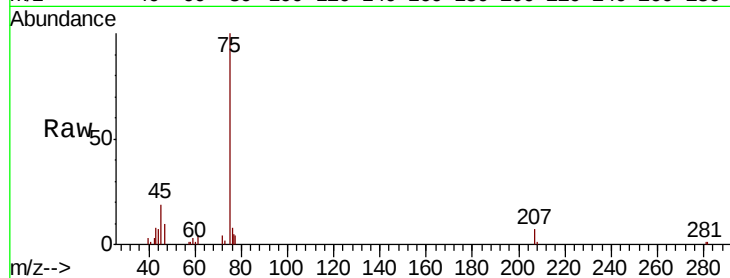
S49-0567

Tot Ion: 77 Resp: 1019

Ion Ratio Lower Upper

77 100

97 0.0 11.5 34.4#



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

4.66

500

400

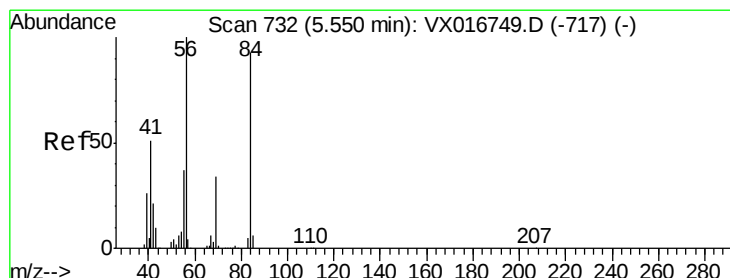
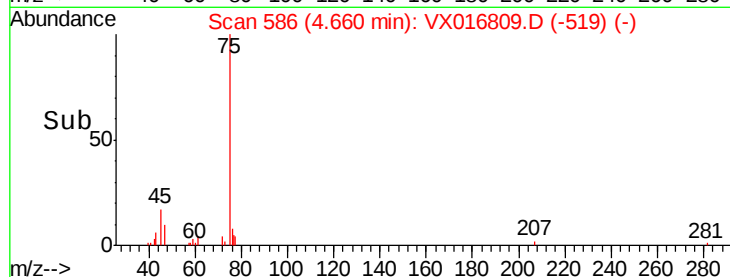
300

200

100

0

Time--> 4.55 4.60 4.65 4.70



#31

Cyclohexane

Concen: 1.781 ug/l

RT: 5.62 min Scan# 744

Delta R.T. 0.07 min

Lab File: VX016809.D

Acq: 17 Jun 2020 03:58

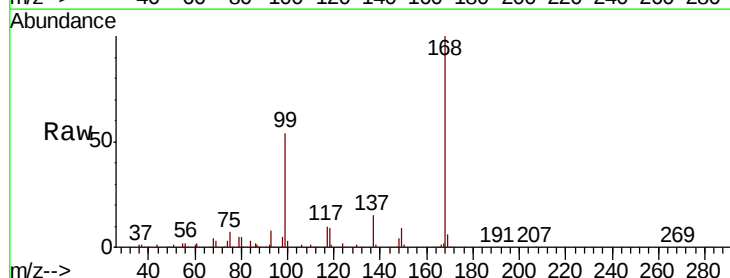
Tgt Ion: 56 Resp: 4462

Ion Ratio Lower Upper

56 100

69 185.9 27.1 40.7#

84 159.8 74.0 111.0#



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

4000

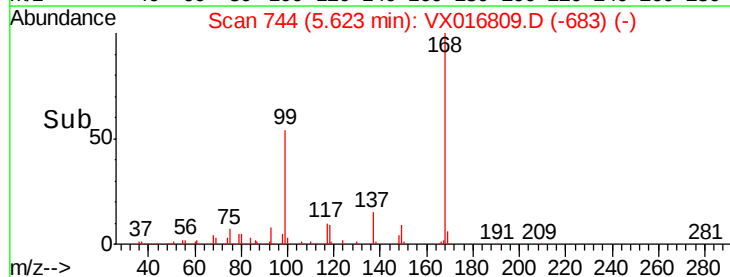
3000

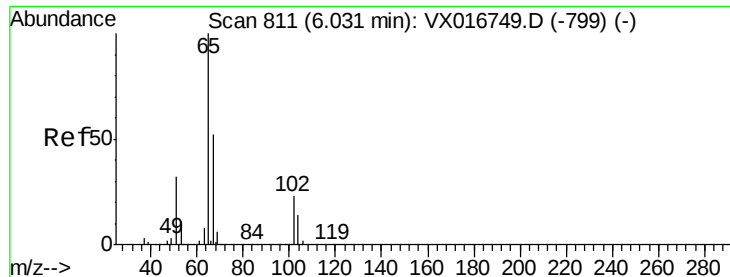
2000

1000

0

Time--> 5.50 5.55 5.60 5.65 5.70





#33

1,2-Dichloroethane-d4

Concen: 49.696 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.00 min

Lab File: VX016809.D

Acq: 17 Jun 2020 03:58

Instrument :

MSVOA_X

ClientSampleId :

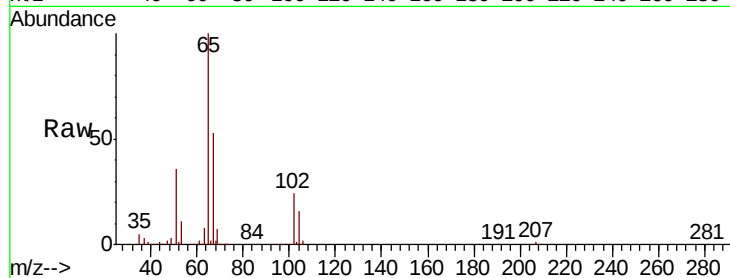
S49-0567

Tot Ion: 65 Resp: 156600

Ion Ratio Lower Upper

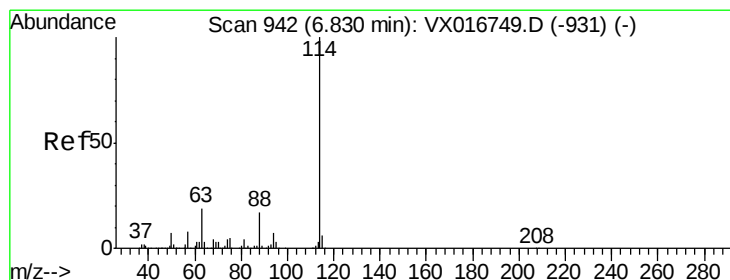
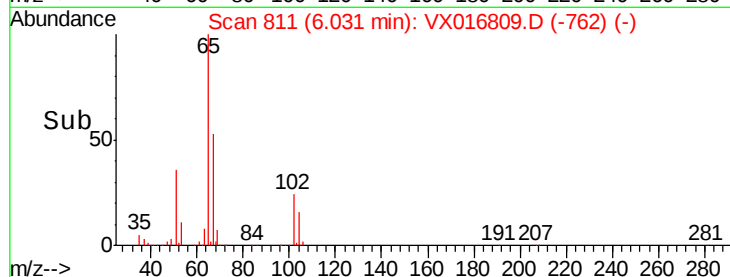
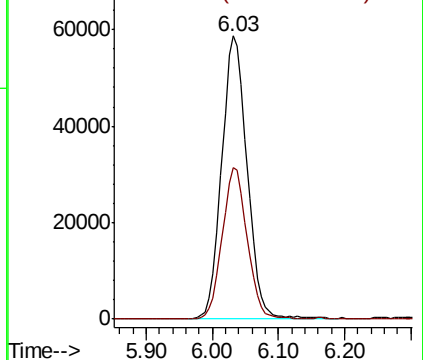
65 100

67 52.5 0.0 103.0



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: VX016809.D

Acq: 17 Jun 2020 03:58

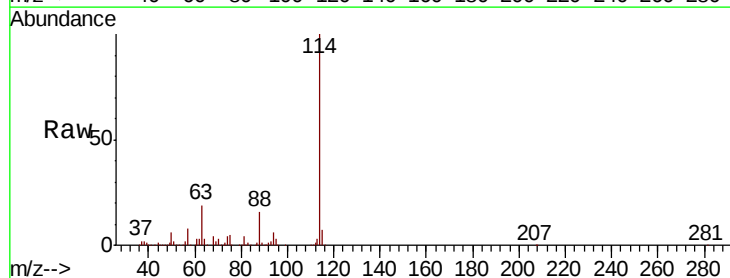
Tgt Ion: 114 Resp: 446807

Ion Ratio Lower Upper

114 100

63 19.3 0.0 38.8

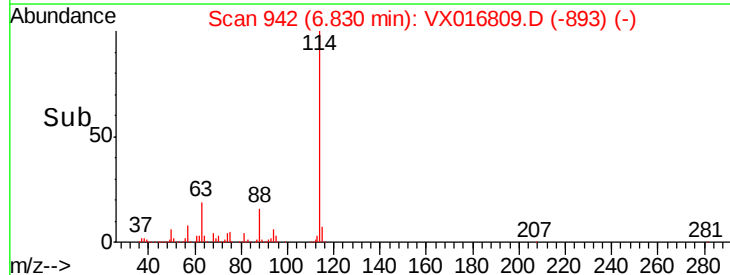
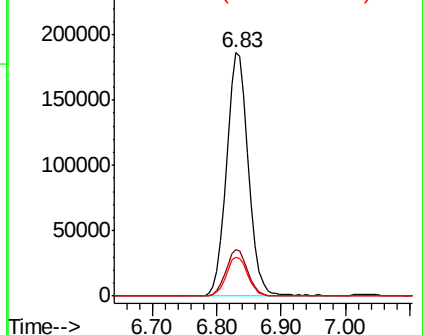
88 16.0 0.0 33.4

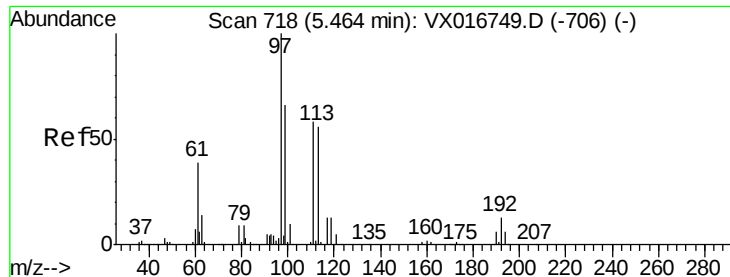


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

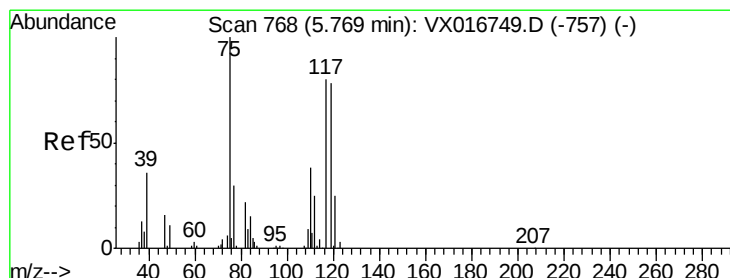
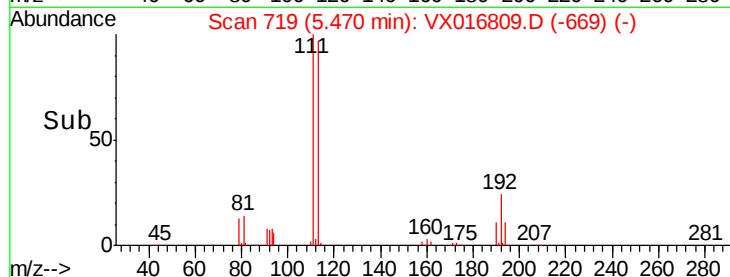
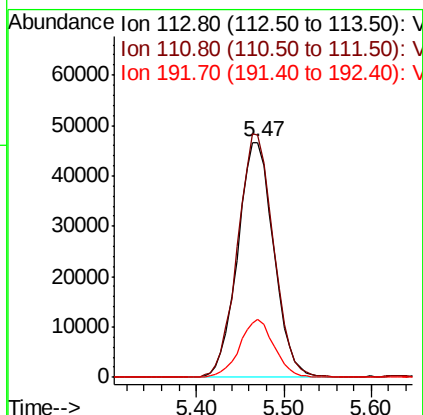
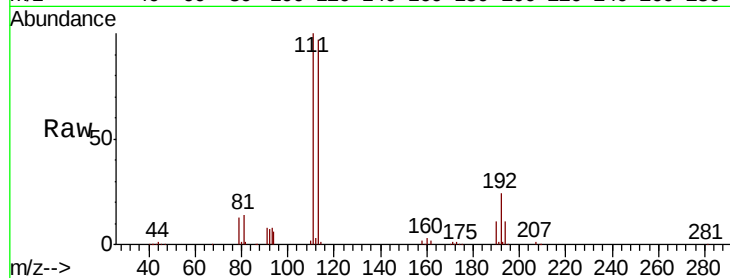




#35
 Dibromofluoromethane
 Concen: 48.504 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. 0.01 min
 Lab File: VX016809.D
 Acq: 17 Jun 2020 03:58

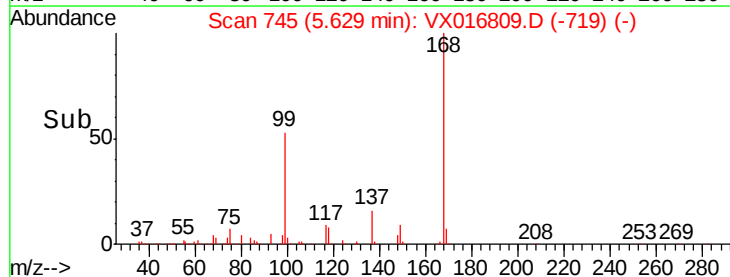
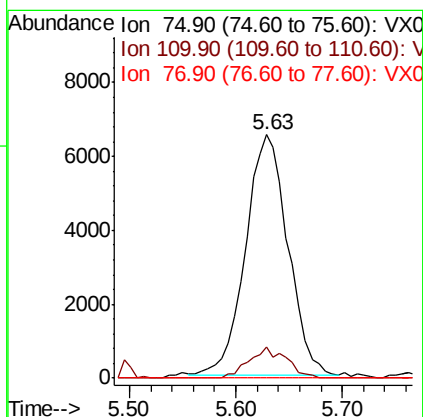
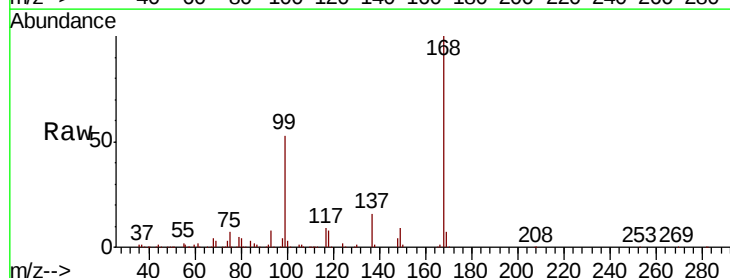
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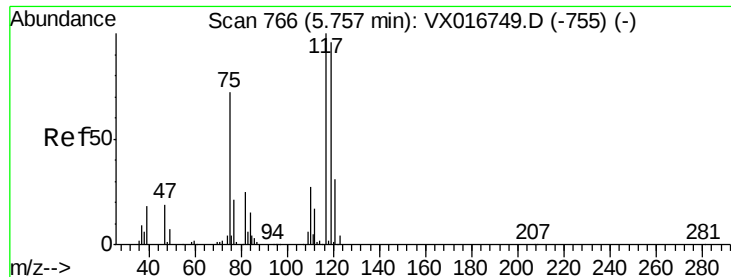
Tot Ion:113 Resp: 133713
 Ion Ratio Lower Upper
 113 100
 111 103.3 81.8 122.6
 192 23.6 18.2 27.4



#36
 1,1-Dichloropropene
 Concen: 4.575 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX016809.D
 Acq: 17 Jun 2020 03:58

Tgt Ion: 75 Resp: 18064
 Ion Ratio Lower Upper
 75 100
 110 11.3 18.4 55.2#
 77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 5.621 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX016809.D

Acq: 17 Jun 2020 03:58

Instrument :

MSVOA_X

ClientSampleId :

S49-0567

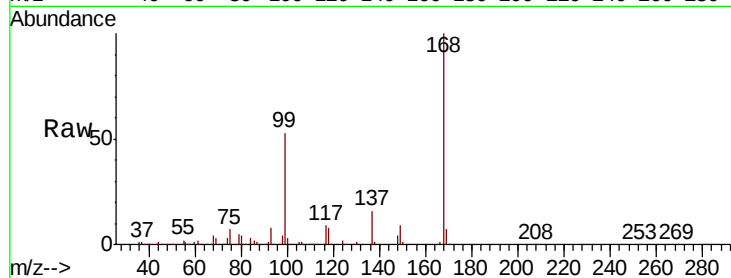
Tot Ion:117 Resp: 25207

Ion Ratio Lower Upper

117 100

119 5.2 76.7 115.1#

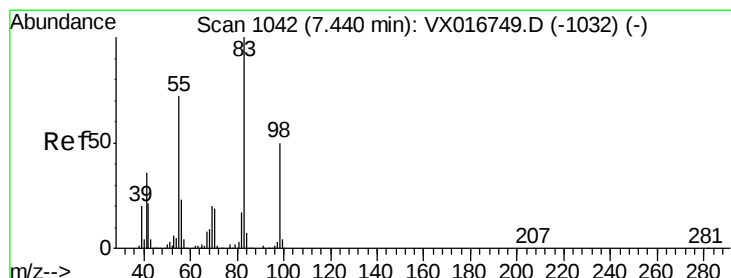
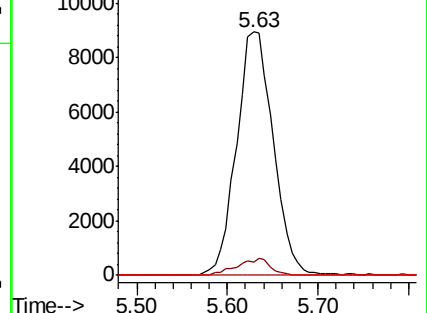
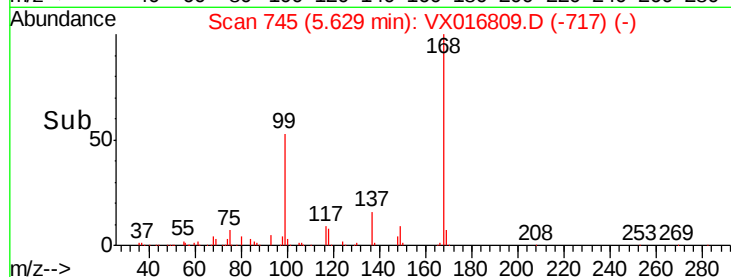
121 0.0 24.7 37.1#



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



#39

Methylcyclohexane

Concen: 0.980 ug/l

RT: 7.45 min Scan# 1044

Delta R.T. 0.01 min

Lab File: VX016809.D

Acq: 17 Jun 2020 03:58

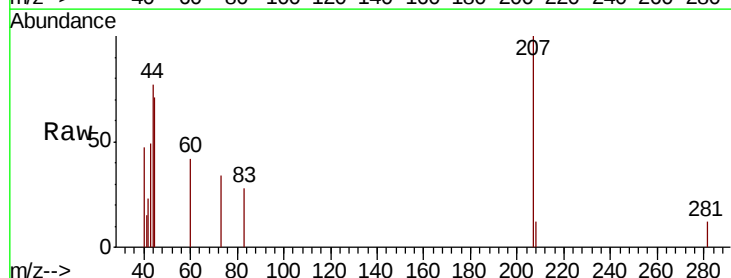
Tgt Ion: 83 Resp: 126

Ion Ratio Lower Upper

83 100

55 0.0 57.3 85.9#

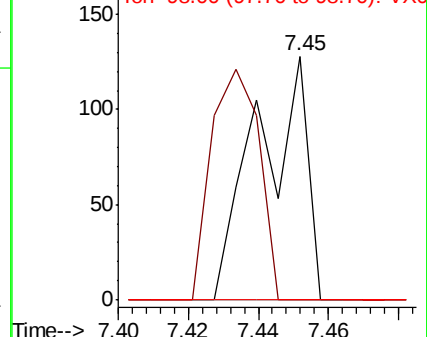
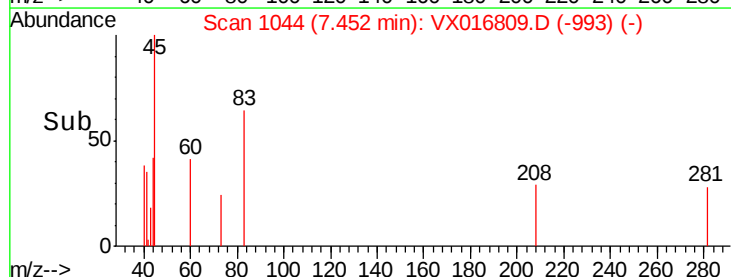
98 0.0 40.3 60.5#

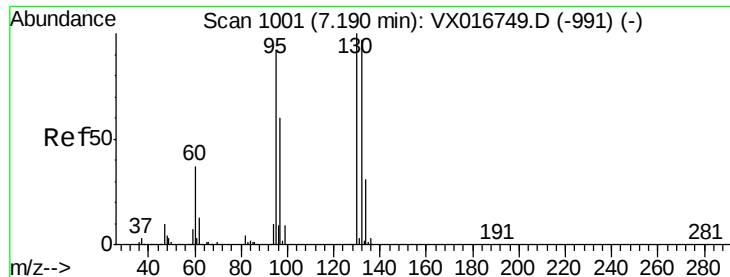


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

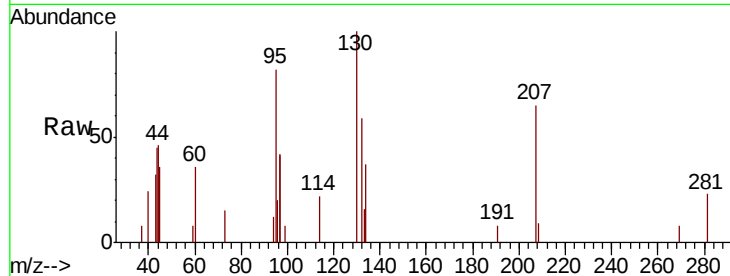




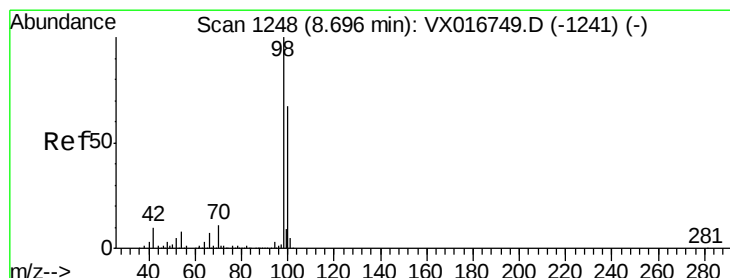
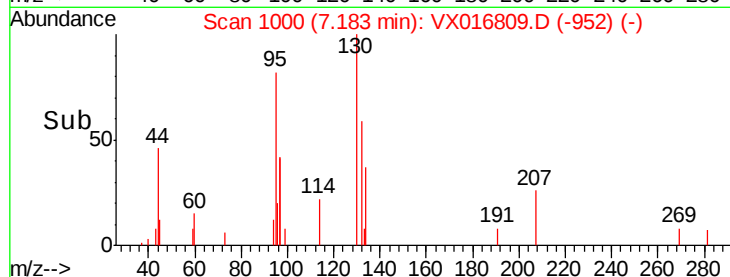
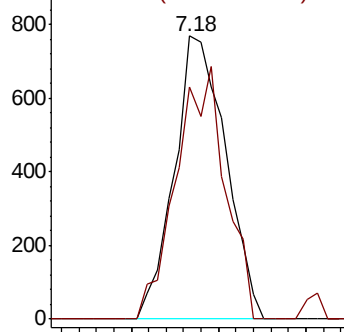
#44
 Trichloroethene
 Concen: 0.422 ug/l
 RT: 7.18 min Scan# 1000
 Delta R.T. -0.01 min
 Lab File: VX016809.D
 Acq: 17 Jun 2020 03:58

Instrument :
 MSVOA_X
 ClientSampleId :
 S49-0567

Tot Ion:130 Resp: 1569
 Ion Ratio Lower Upper
 130 100
 95 82.2 0.0 183.6

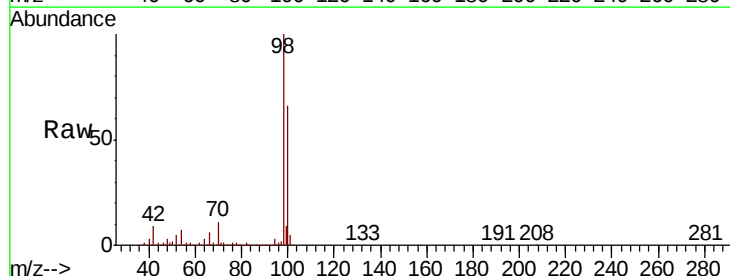


Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0

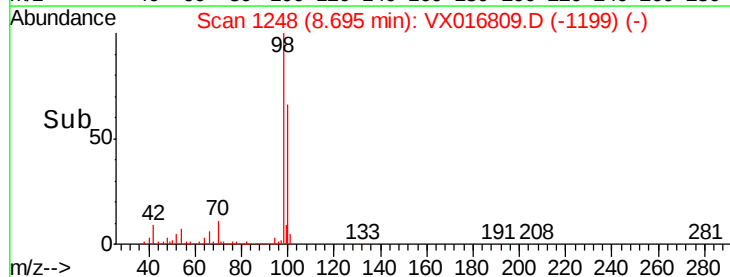
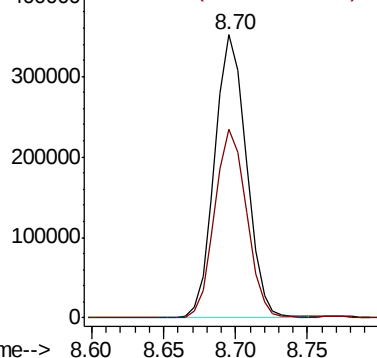


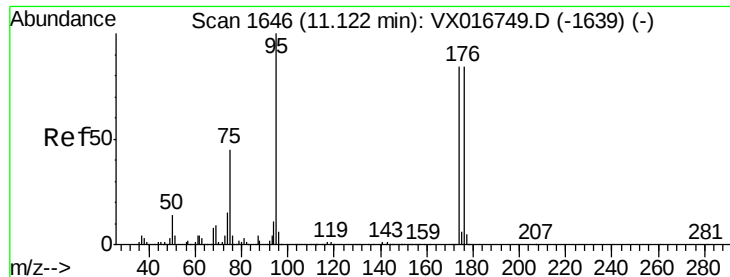
#50
 Toluene-d8
 Concen: 52.964 ug/l
 RT: 8.70 min Scan# 1248
 Delta R.T. -0.00 min
 Lab File: VX016809.D
 Acq: 17 Jun 2020 03:58

Tgt Ion: 98 Resp: 538366
 Ion Ratio Lower Upper
 98 100
 100 67.0 53.9 80.9



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





#62

4-Bromofluorobenzene

Concen: 57.631 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016809.D

Acq: 17 Jun 2020 03:58

Instrument :

MSVOA_X

ClientSampleId :

S49-0567

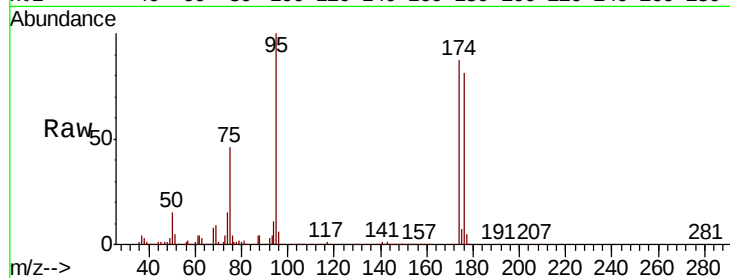
Tot Ion: 95 Resp: 224070

Ion Ratio Lower Upper

95 100

174 89.0 0.0 171.0

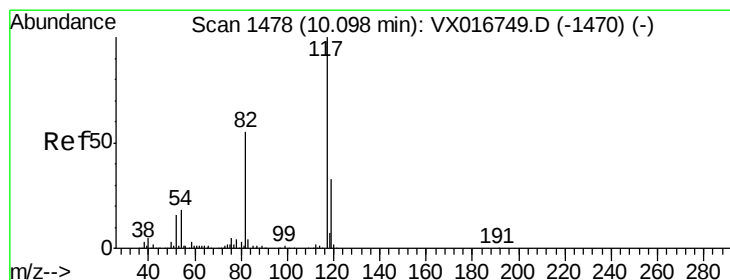
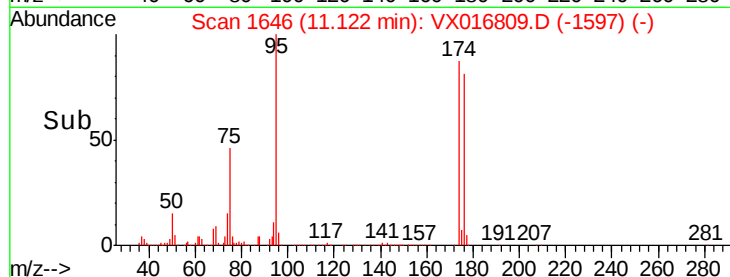
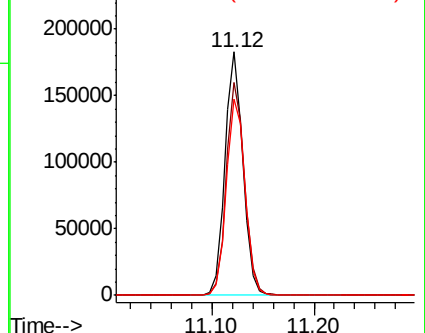
176 84.0 0.0 166.2



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: VX016809.D

Acq: 17 Jun 2020 03:58

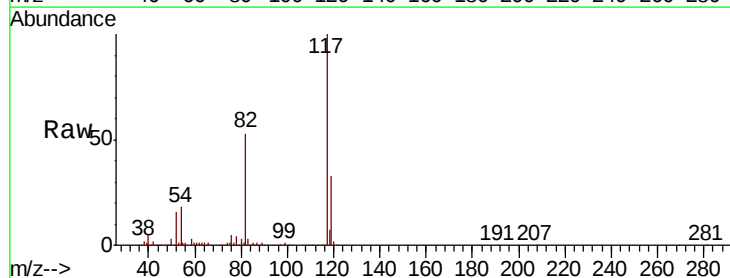
Tgt Ion: 117 Resp: 450800

Ion Ratio Lower Upper

117 100

82 53.2 43.8 65.6

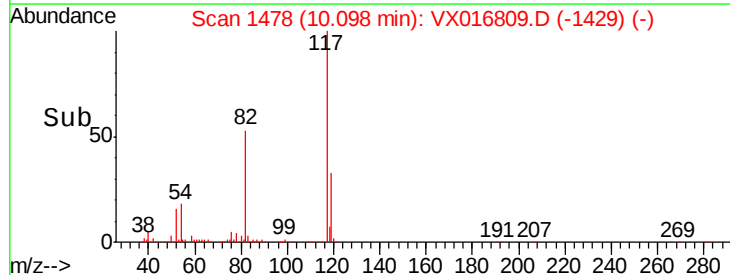
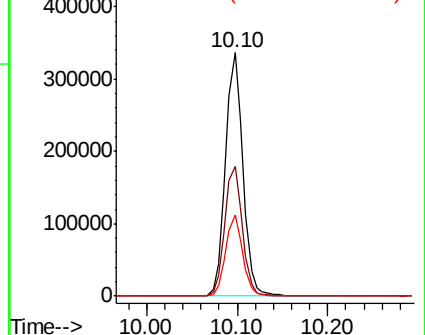
119 33.1 26.2 39.4

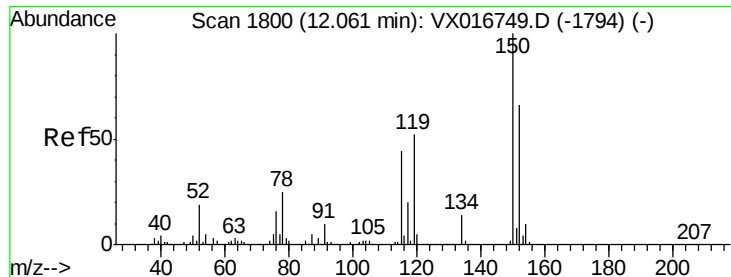


Abundance Ion 116.90 (116.60 to 117.60): VX0

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: VX016809.D

Acq: 17 Jun 2020 03:58

Instrument :

MSVOA_X

ClientSampleId :

S49-0567

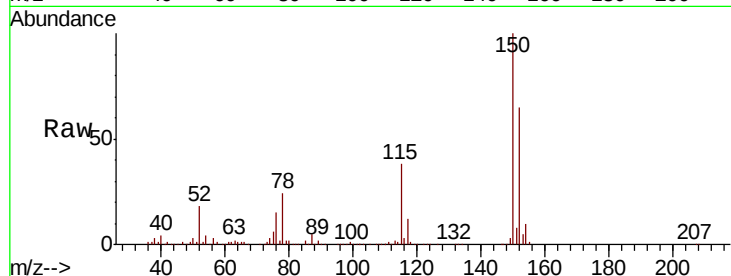
Tot Ion:152 Resp: 236329

Ion Ratio Lower Upper

152 100

115 57.6 40.3 120.8

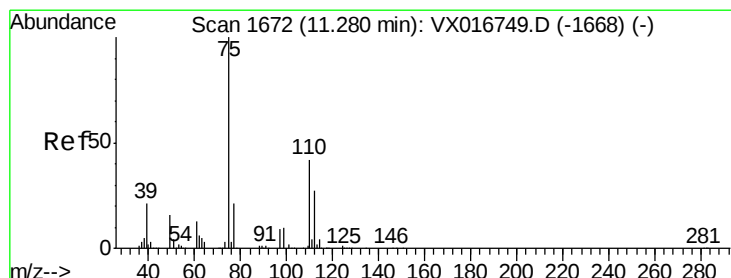
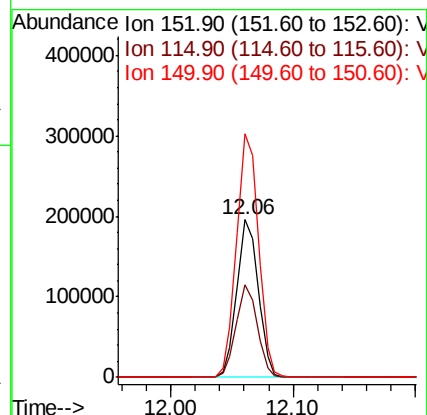
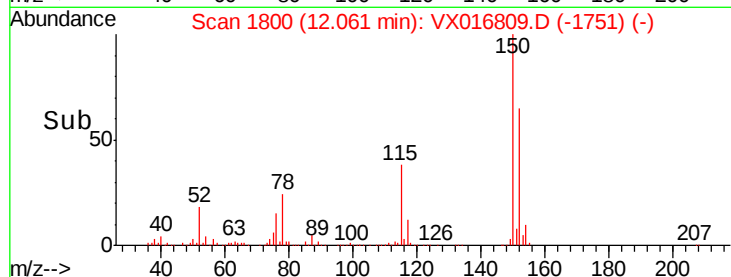
150 158.0 0.0 337.4



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: 21.364 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016809.D

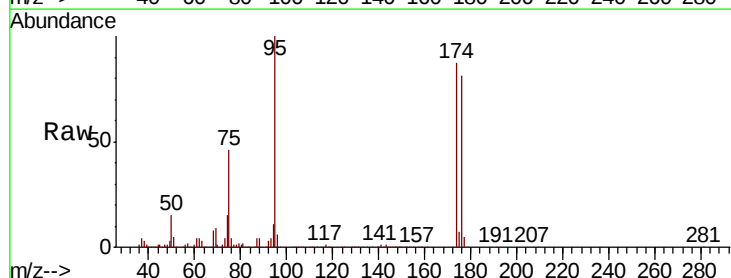
Acq: 17 Jun 2020 03:58

Tgt Ion: 75 Resp: 106175

Ion Ratio Lower Upper

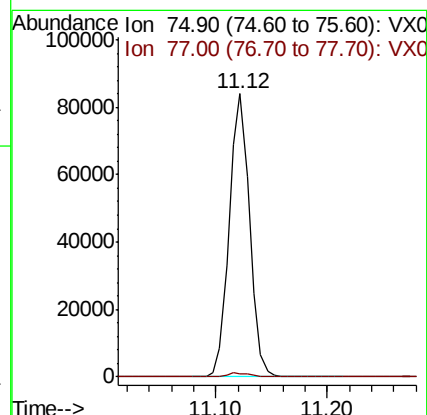
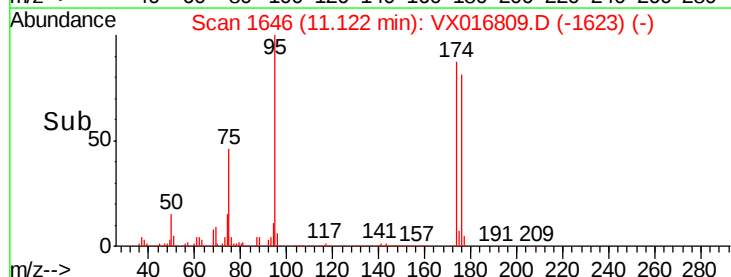
75 100

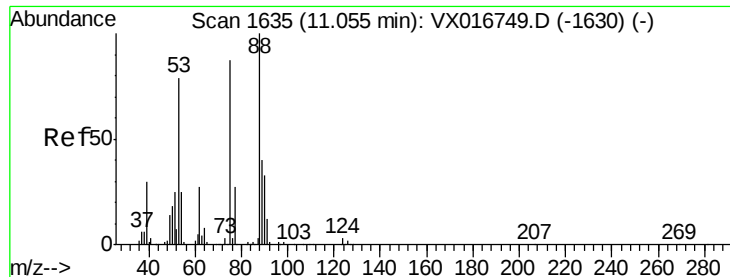
77 1.5 20.3 60.9#



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: 53.782 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX016809.D

Acq: 17 Jun 2020 03:58

Instrument :

MSVOA_X

ClientSampled :

S49-0567

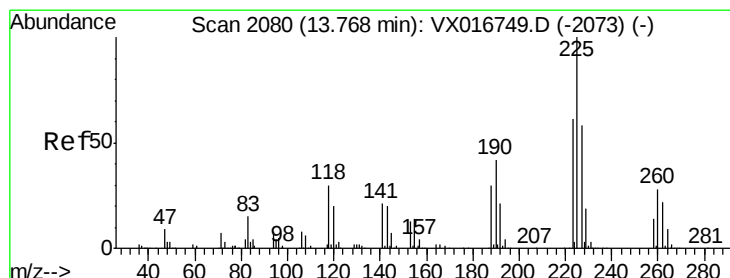
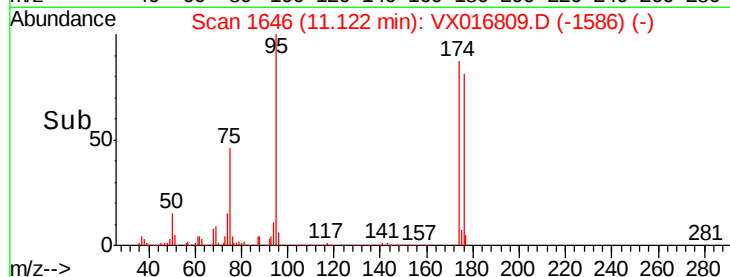
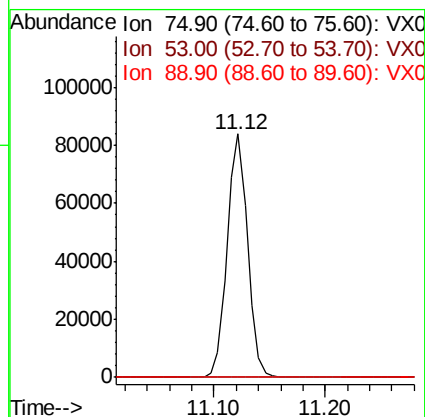
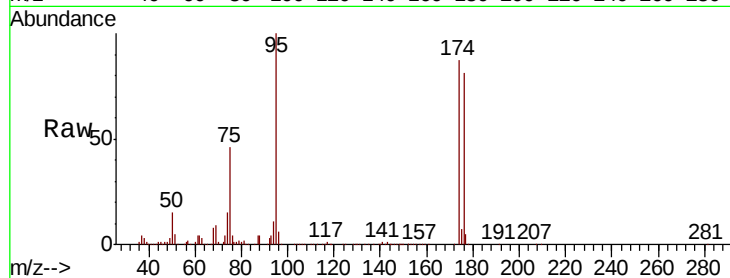
Tot Ion: 75 Resp: 106175

Ion Ratio Lower Upper

75 100

53 0.1 71.4 107.0#

89 0.0 39.1 58.7#



#94

Hexachlorobutadiene

Concen: 0.446 ug/l

RT: 13.77 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX016809.D

Acq: 17 Jun 2020 03:58

Tgt Ion: 225 Resp: 74

Ion Ratio Lower Upper

225 100

223 28.4 31.1 93.5#

227 0.0 30.9 92.7#

