

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX042420\
 Data File : VX015954.D
 Acq On : 25 Apr 2020 00:16
 Operator : JC/SP
 Sample : L2399-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SP1-B

Quant Time: Apr 25 06:56:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042420W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 24 13:17:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	134951	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	256582	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	251969	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	122737	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	97796	51.32	ug/l	0.00
Spiked Amount			Recovery	=	102.64%	
35) Dibromofluoromethane	5.47	113	74243	53.05	ug/l	0.00
Spiked Amount			Recovery	=	106.10%	
50) Toluene-d8	8.70	98	324830	54.83	ug/l	0.00
Spiked Amount			Recovery	=	109.66%	
62) 4-Bromofluorobenzene	11.12	95	132793	55.26	ug/l	0.00
Spiked Amount			Recovery	=	110.52%	

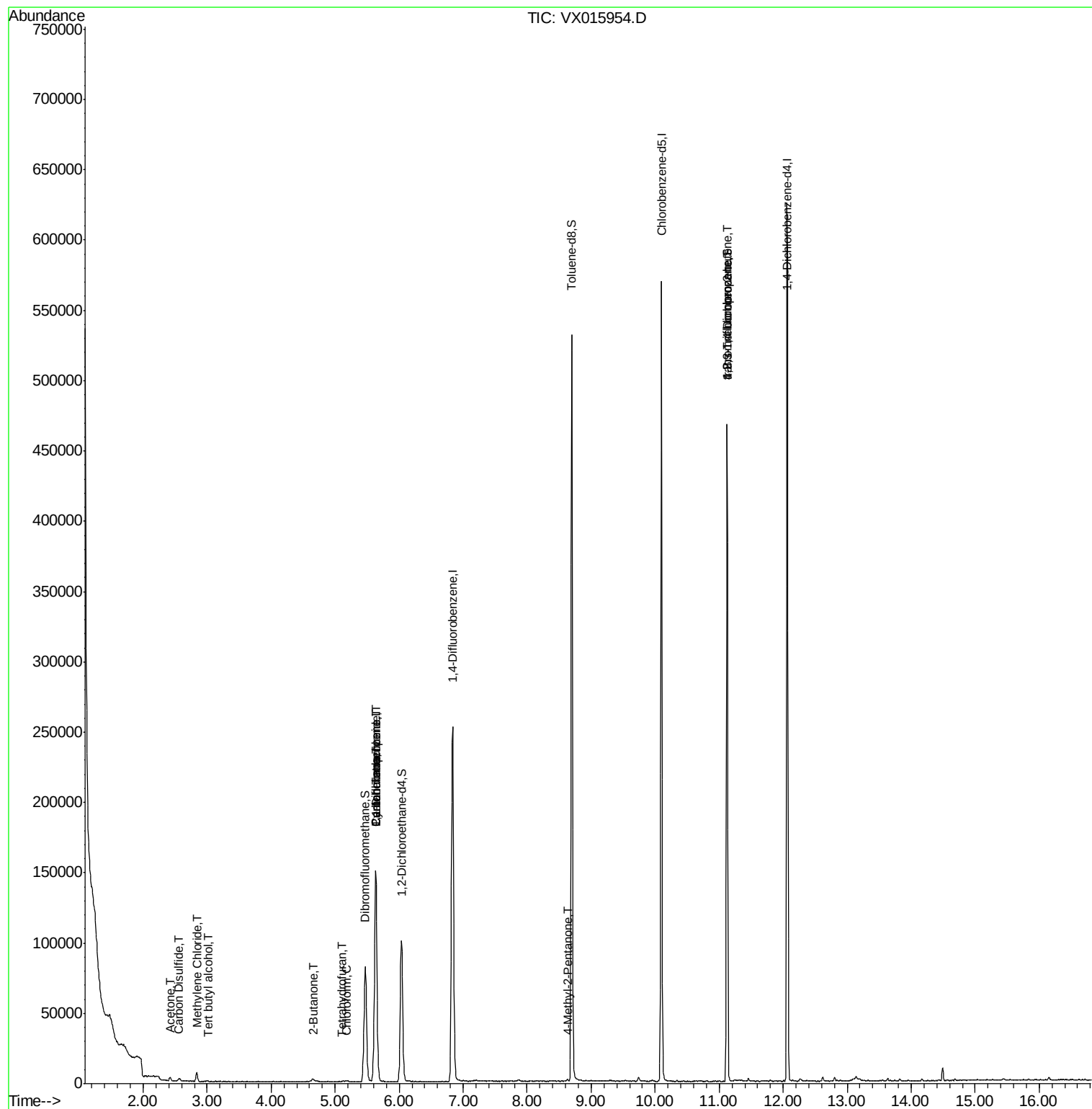
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.02	59	125	0.305	ug/l #	72
16) Acetone	2.42	43	2414	3.377	ug/l	90
17) Carbon Disulfide	2.55	76	2107	0.202	ug/l #	87
20) Methylene Chloride	2.84	84	3050	1.725	ug/l	92
25) 2-Butanone	4.65	43	777	0.668	ug/l #	47
29) Tetrahydrofuran	5.10	42	181	0.236	ug/l #	46
30) Chloroform	5.18	83	1227	0.407	ug/l	97
31) Cyclohexane	5.63	56	2981	1.043	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	12663	5.171	ug/l #	49
38) Carbon Tetrachloride	5.63	117	14852	6.637	ug/l #	16
51) 4-Methyl-2-Pentanone	8.62	43	872	0.369	ug/l	91
76) 1,2,3-Trichloropropane	11.12	75	65966	25.055	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.12	75	65966	56.440	ug/l #	14

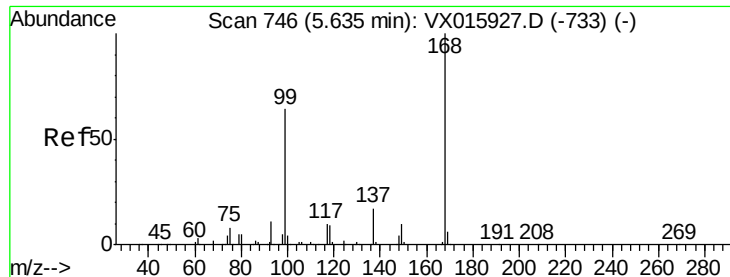
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042420W.M
Quant Title : SW846 8260
QLast Update : Fri Apr 24 13:17:59 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX015954.D

Acq: 25 Apr 2020 00:16

Instrument :

MSVOA_X

ClientSampled :

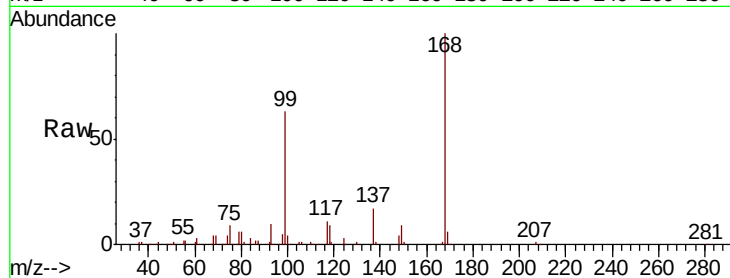
SP1-B

Tot Ion:168 Resp: 134951

Ion Ratio Lower Upper

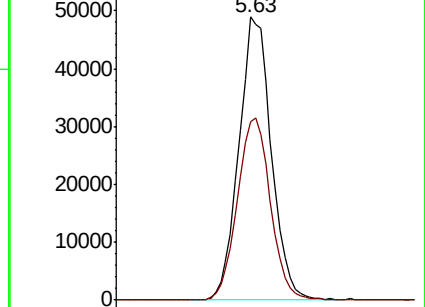
168 100

99 62.9 51.2 76.8

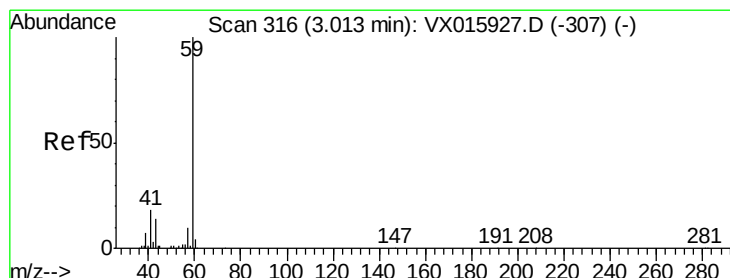
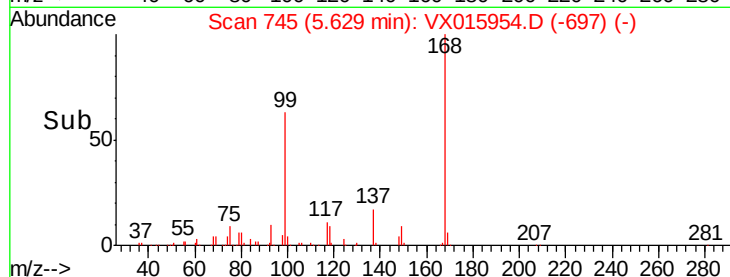


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



Time-->



#11

Tert butyl alcohol

Concen: 0.305 ug/l

RT: 3.02 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX015954.D

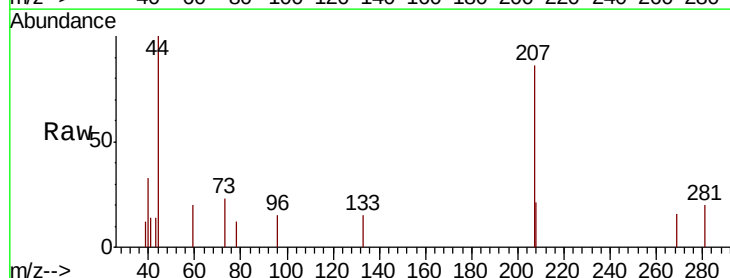
Acq: 25 Apr 2020 00:16

Tgt Ion: 59 Resp: 125

Ion Ratio Lower Upper

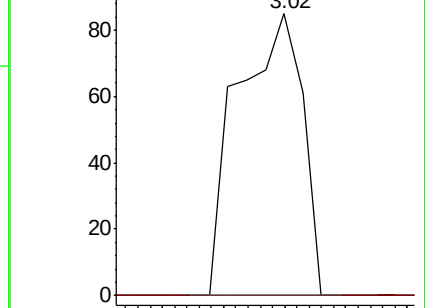
59 100

57 0.0 8.4 12.6#

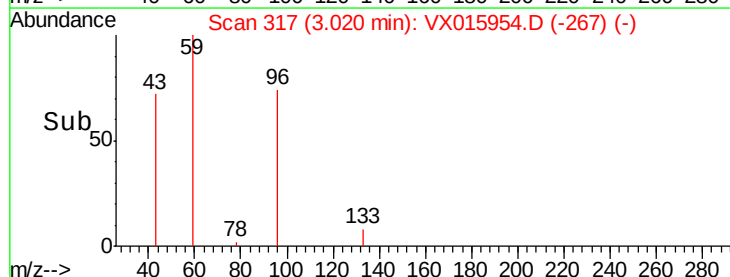


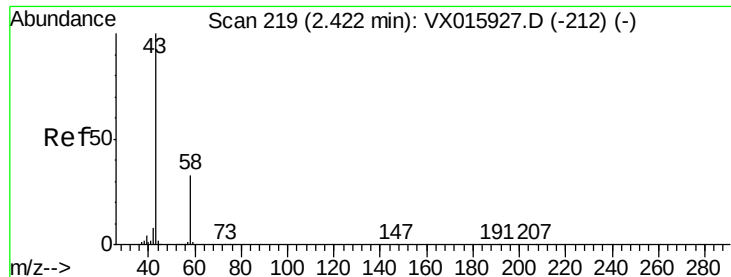
Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0



Time-->





#16

Acetone

Concen: 3.377 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.00 min

Lab File: VX015954.D

Acq: 25 Apr 2020 00:16

Instrument :

MSVOA_X

ClientSampleId :

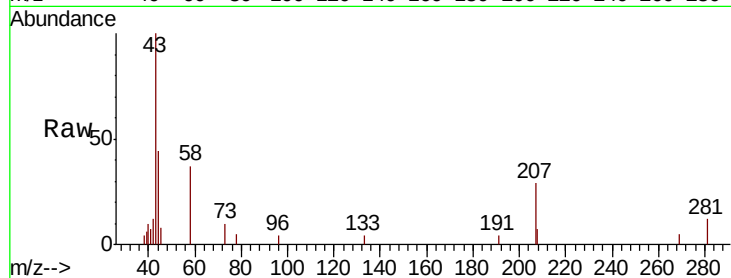
SP1-B

Tot Ion: 43 Resp: 2414

Ion Ratio Lower Upper

43 100

58 38.8 26.4 39.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

1500

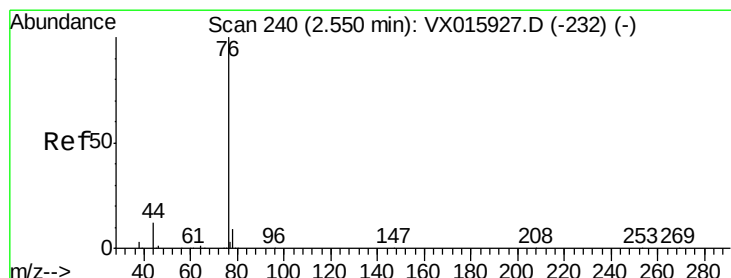
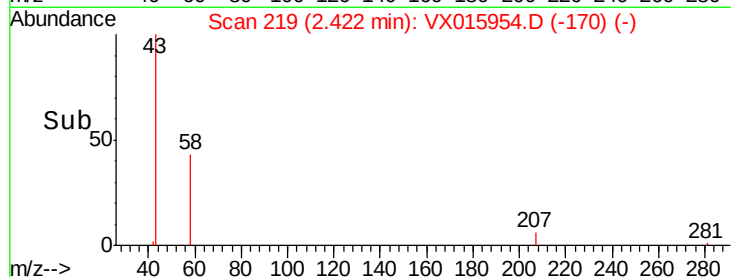
1000

500

0

2.35 2.40 2.45 2.50

Time-->



#17

Carbon Disulfide

Concen: 0.202 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX015954.D

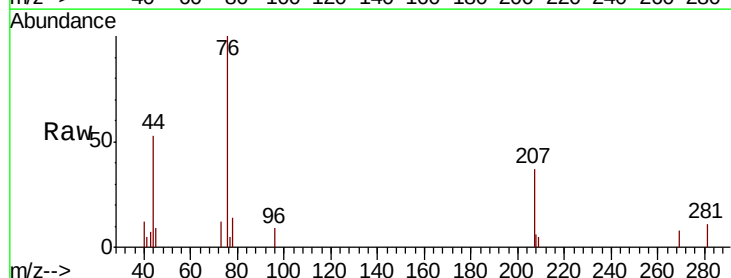
Acq: 25 Apr 2020 00:16

Tgt Ion: 76 Resp: 2107

Ion Ratio Lower Upper

76 100

78 13.9 7.4 11.2#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

1500

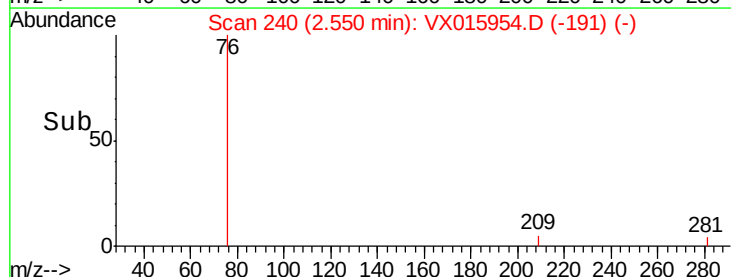
1000

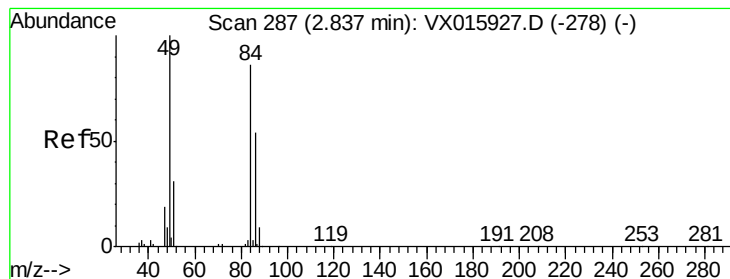
500

0

2.50 2.55 2.60

Time-->





#20

Methylene Chloride

Concen: 1.725 ug/l

RT: 2.84 min Scan# 287

Delta R.T. 0.00 min

Lab File: VX015954.D

Acq: 25 Apr 2020 00:16

Instrument :

MSVOA_X

ClientSampleId :

SP1-B

Tot Ion: 84 Resp: 3050

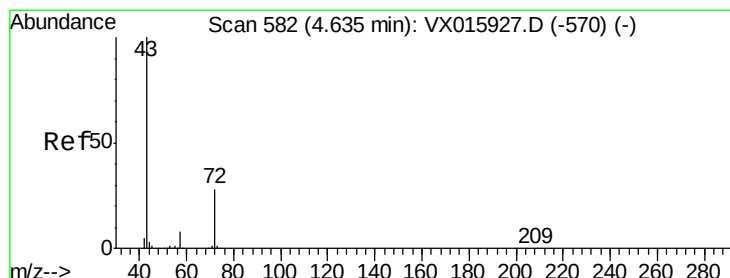
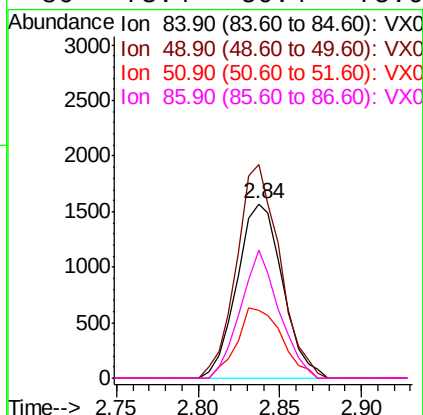
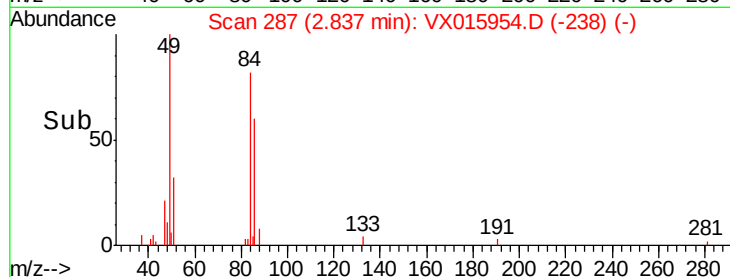
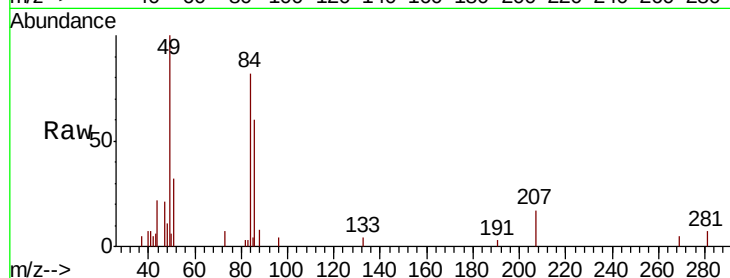
Ion Ratio Lower Upper

84 100

49 122.5 93.0 139.6

51 38.9 28.6 43.0

86 73.4 50.4 75.6



#25

2-Butanone

Concen: 0.668 ug/l

RT: 4.65 min Scan# 585

Delta R.T. 0.02 min

Lab File: VX015954.D

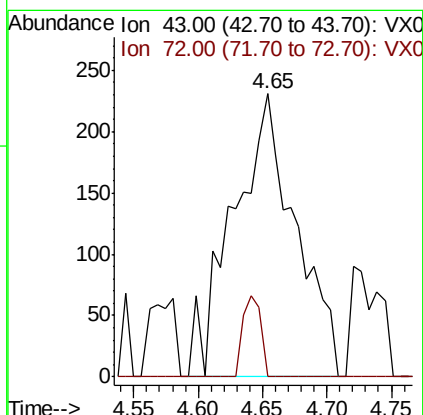
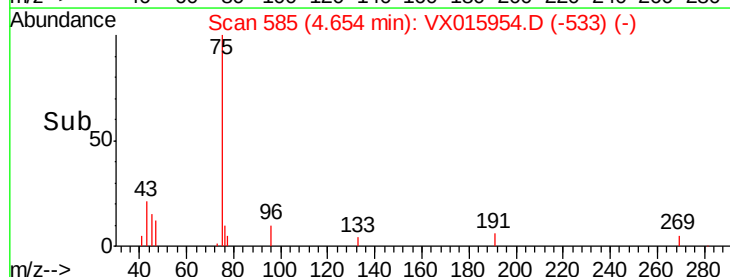
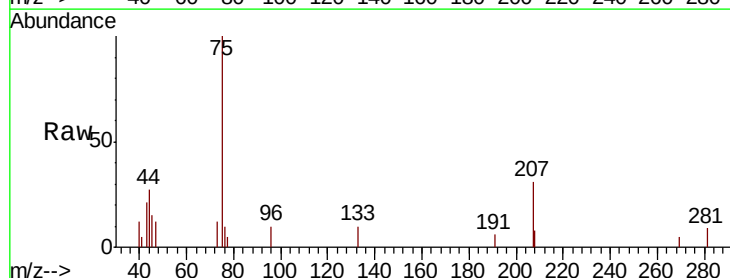
Acq: 25 Apr 2020 00:16

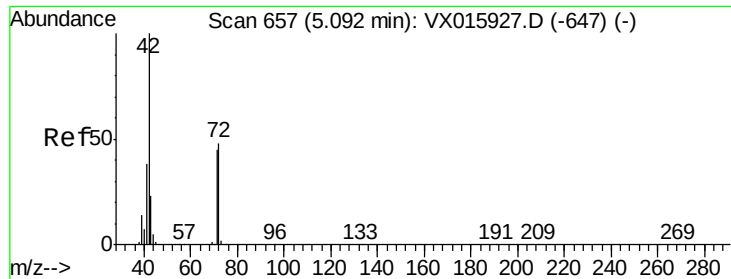
Tgt Ion: 43 Resp: 777

Ion Ratio Lower Upper

43 100

72 0.0 22.4 33.6#

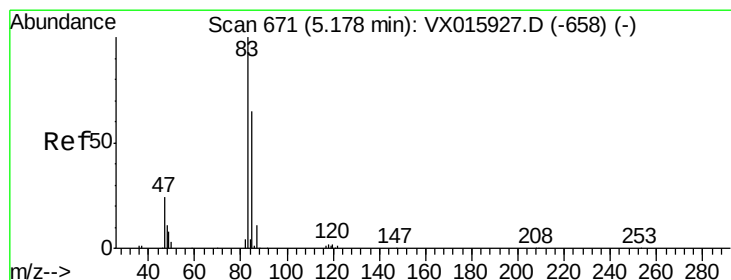
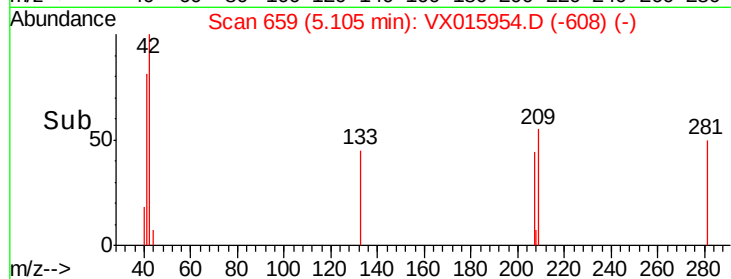
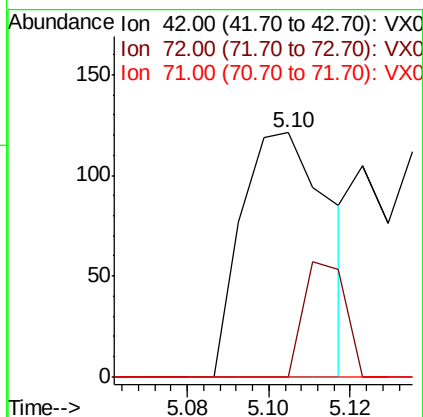
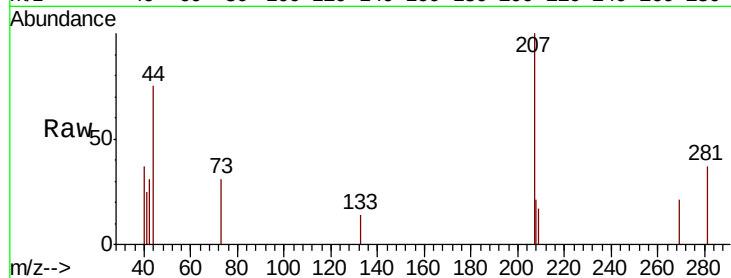




#29
Tetrahydrofuran
Concen: 0.236 ug/l
RT: 5.10 min Scan# 659
Delta R.T. 0.01 min
Lab File: VX015954.D
Acq: 25 Apr 2020 00:16

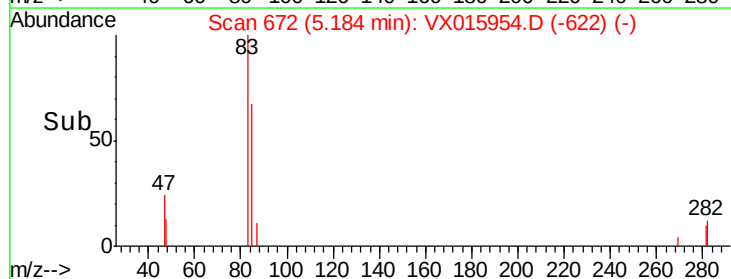
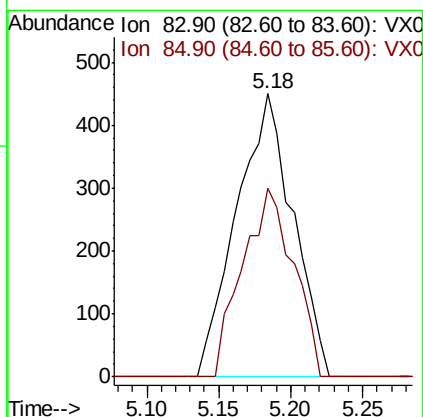
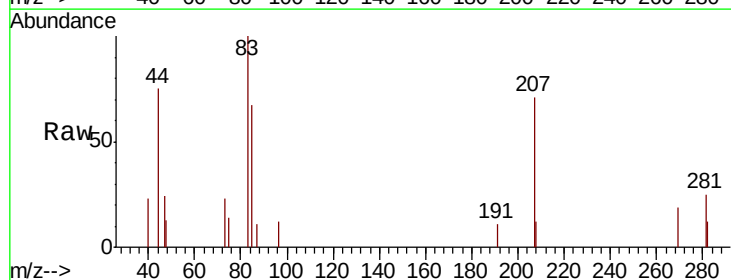
Instrument :
MSVOA_X
ClientSampleId :
SP1-B

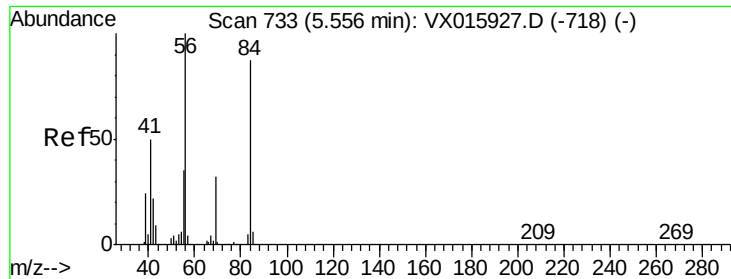
Tot Ion: 42 Resp: 181
Ion Ratio Lower Upper
42 100
72 22.1 39.5 59.3#
71 0.0 36.4 54.6#



#30
Chloroform
Concen: 0.407 ug/l
RT: 5.18 min Scan# 672
Delta R.T. 0.01 min
Lab File: VX015954.D
Acq: 25 Apr 2020 00:16

Tgt Ion: 83 Resp: 1227
Ion Ratio Lower Upper
83 100
85 66.7 51.7 77.5





#31

Cyclohexane

Concen: 1.043 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.07 min

Lab File: VX015954.D

Acq: 25 Apr 2020 00:16

Instrument :

MSVOA_X

ClientSampleId :

SP1-B

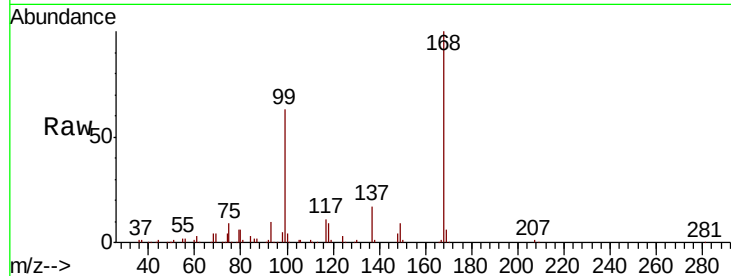
Tot Ion: 56 Resp: 2981

Ion Ratio Lower Upper

56 100

69 205.7 25.4 38.0#

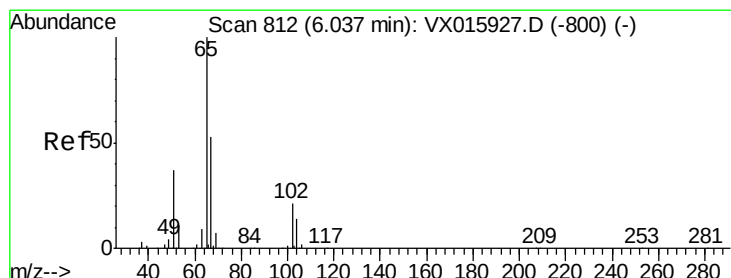
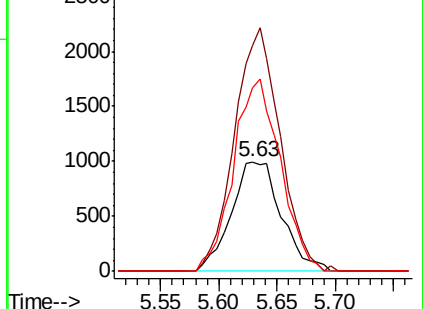
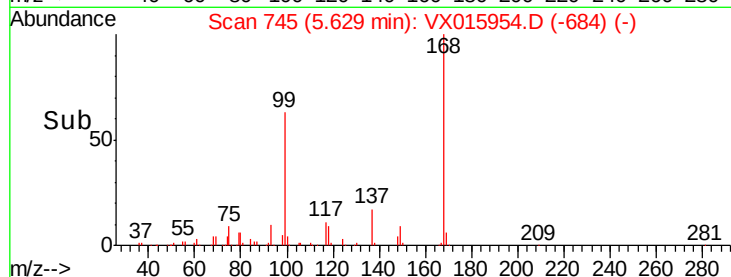
84 167.4 69.5 104.3#



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: 51.322 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.00 min

Lab File: VX015954.D

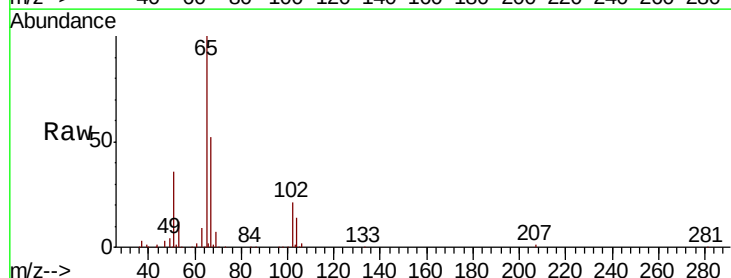
Acq: 25 Apr 2020 00:16

Tgt Ion: 65 Resp: 97796

Ion Ratio Lower Upper

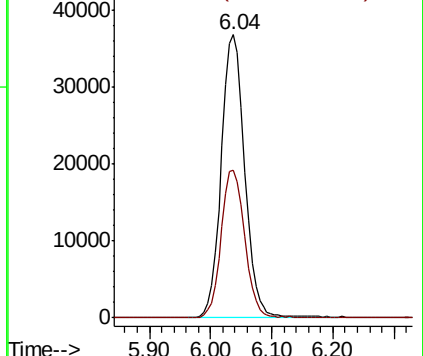
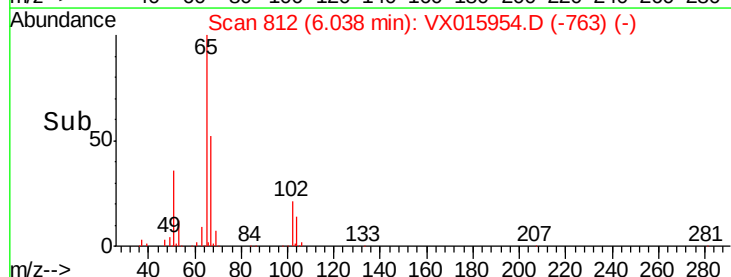
65 100

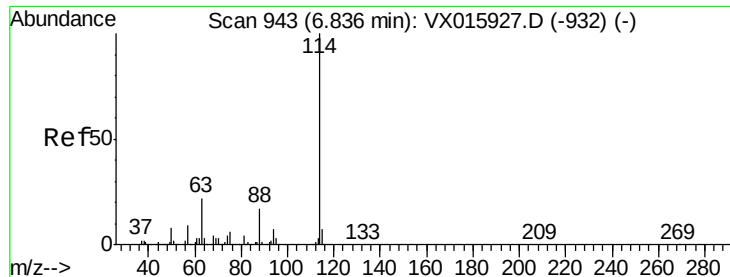
67 52.5 0.0 106.6



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. 0.00 min

Lab File: VX015954.D

Acq: 25 Apr 2020 00:16

Instrument :

MSVOA_X

ClientSampleId :

SP1-B

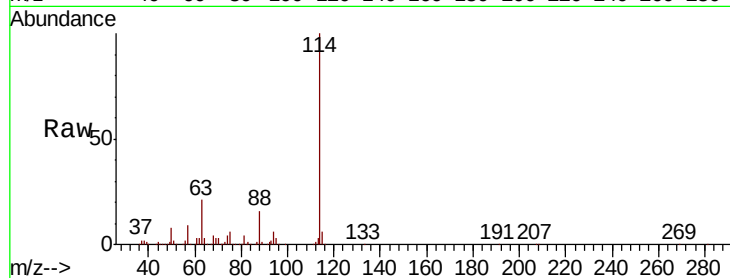
Tot Ion:114 Resp: 256582

Ion Ratio Lower Upper

114 100

63 21.5 0.0 44.4

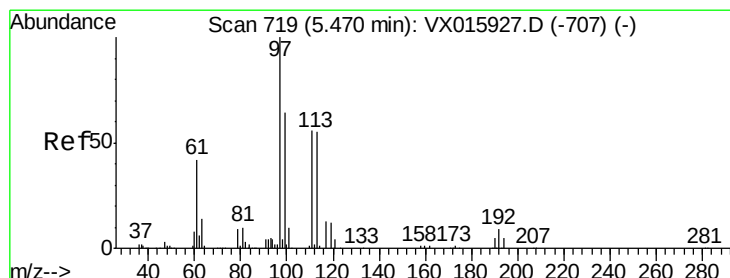
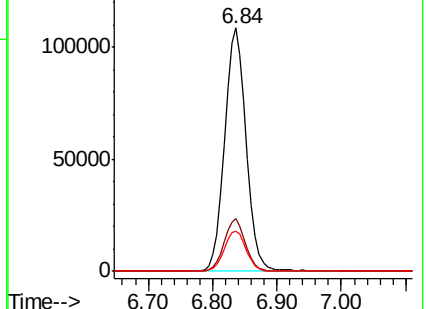
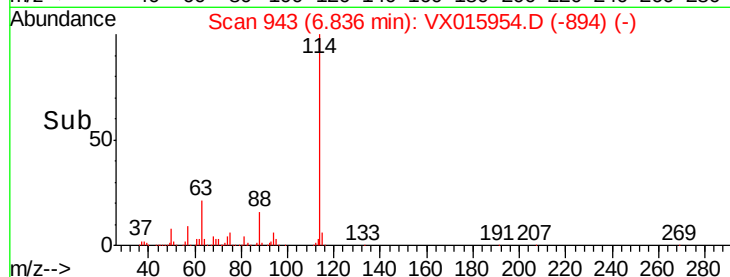
88 16.4 0.0 34.2



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: 53.055 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.00 min

Lab File: VX015954.D

Acq: 25 Apr 2020 00:16

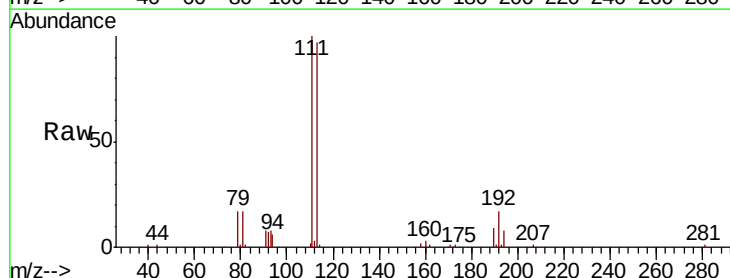
Tgt Ion:113 Resp: 74243

Ion Ratio Lower Upper

113 100

111 103.5 81.2 121.8

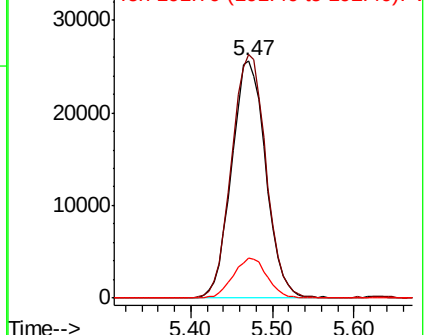
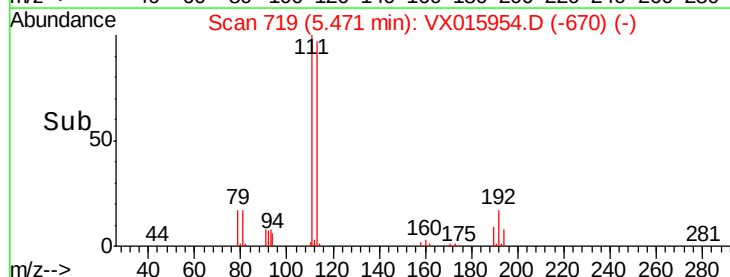
192 16.9 13.6 20.4

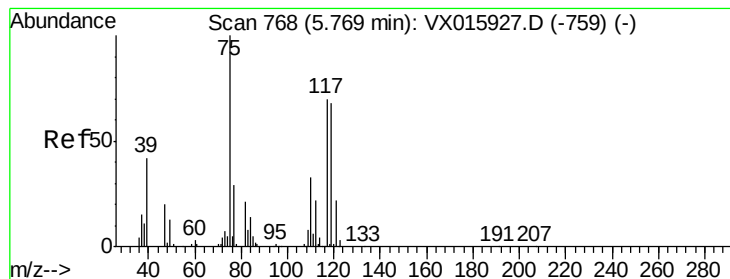


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.171 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX015954.D

Acq: 25 Apr 2020 00:16

Instrument :

MSVOA_X

ClientSampled :

SP1-B

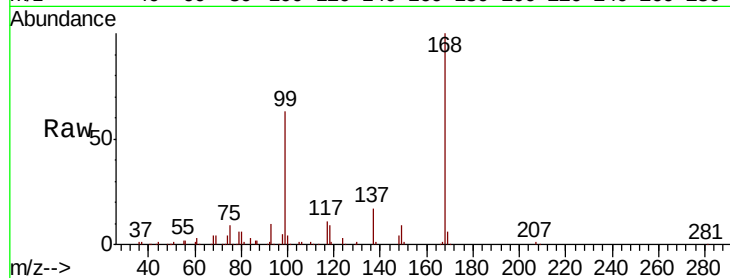
Tot Ion: 75 Resp: 12663

Ion Ratio Lower Upper

75 100

110 8.0 17.1 51.3#

77 0.3 25.0 37.4#

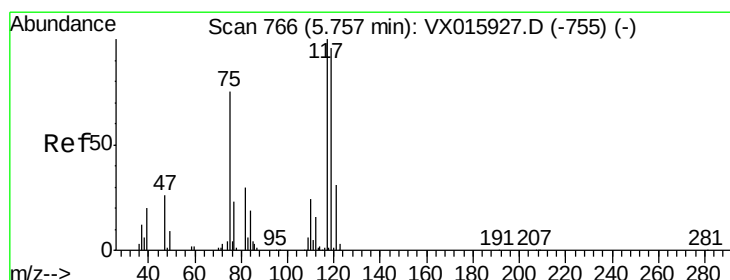
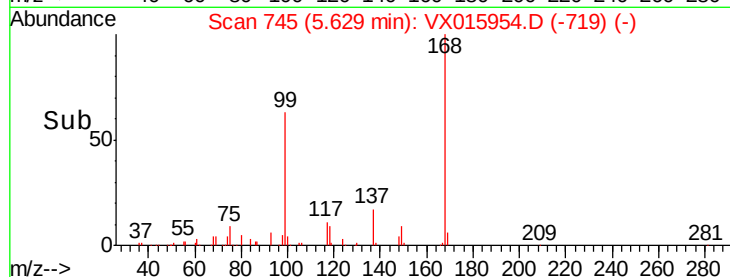
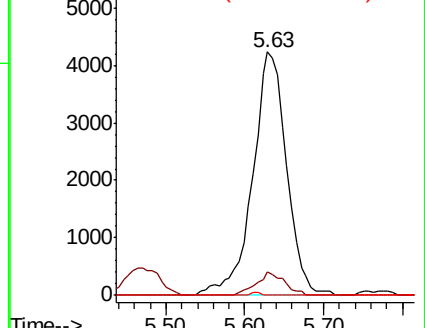


Abundance Ion 74.90 (74.60 to 75.60): VX015954.D (-719) (-)

Ion 109.90 (109.60 to 110.60): VX015954.D (-719) (-)

Ion 76.90 (76.60 to 77.60): VX015954.D (-719) (-)

5.63



#38

Carbon Tetrachloride

Concen: 6.637 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX015954.D

Acq: 25 Apr 2020 00:16

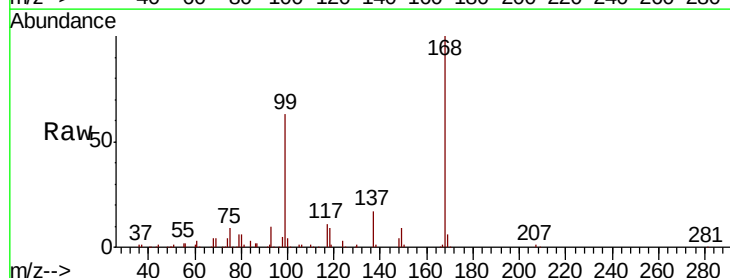
Tgt Ion: 117 Resp: 14852

Ion Ratio Lower Upper

117 100

119 6.0 77.0 115.6#

121 0.0 25.0 37.4#

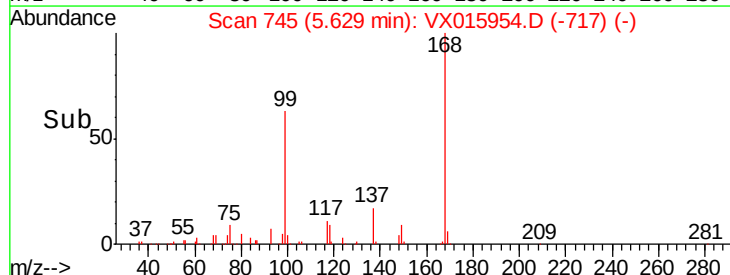
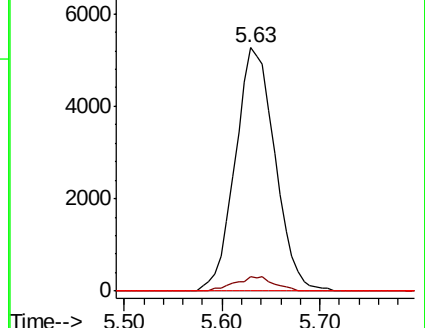


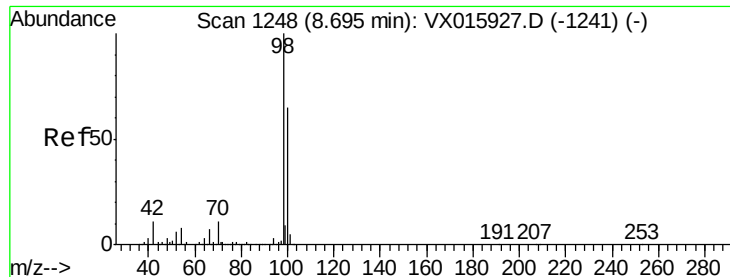
Abundance Ion 116.80 (116.50 to 117.50): VX015954.D (-717) (-)

Ion 118.80 (118.50 to 119.50): VX015954.D (-717) (-)

Ion 120.80 (120.50 to 121.50): VX015954.D (-717) (-)

5.63





#50

Toluene-d8

Concen: 54.829 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX015954.D

Acq: 25 Apr 2020 00:16

Instrument :

MSVOA_X

ClientSampled :

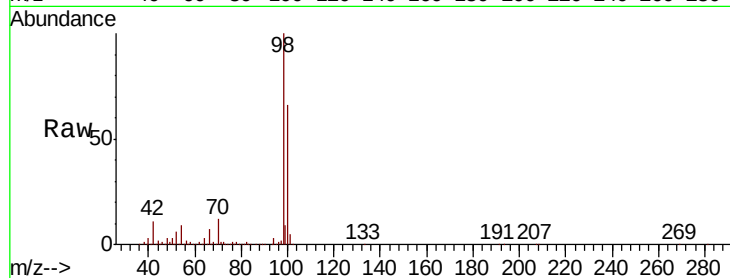
SP1-B

Tot Ion: 98 Resp: 324830

Ion Ratio Lower Upper

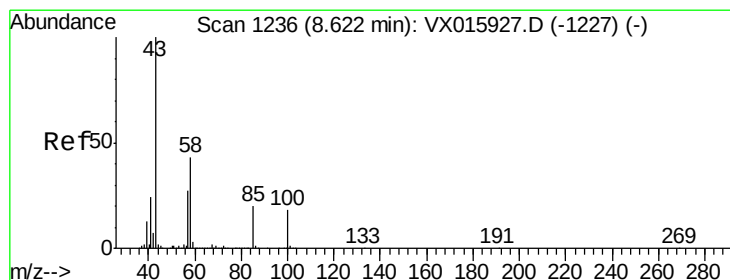
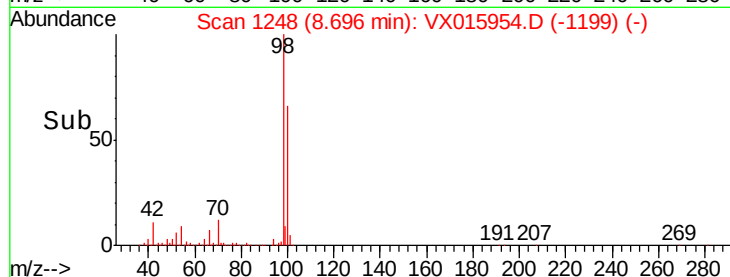
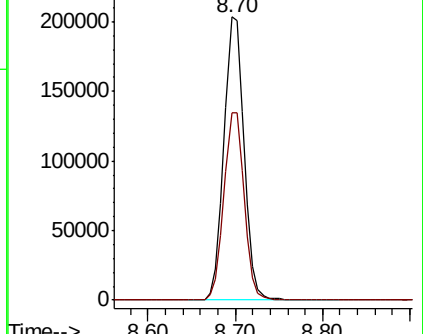
98 100

100 67.0 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#51

4-Methyl-2-Pentanone

Concen: 0.369 ug/l

RT: 8.62 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VX015954.D

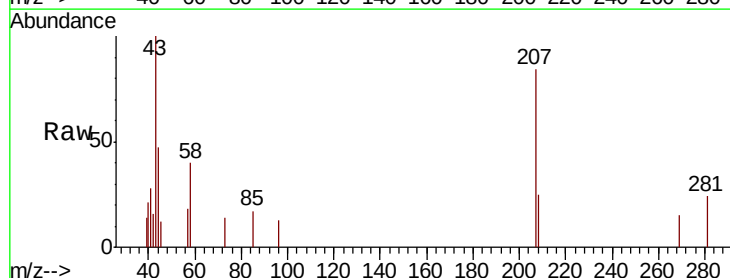
Acq: 25 Apr 2020 00:16

Tgt Ion: 43 Resp: 872

Ion Ratio Lower Upper

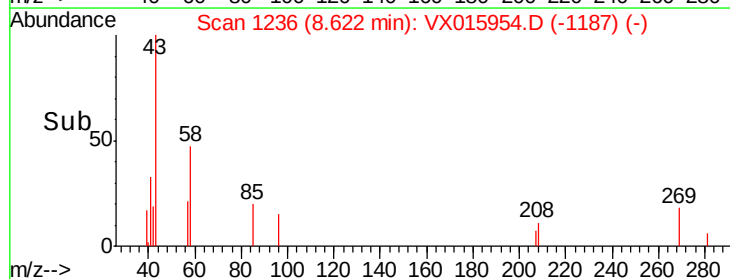
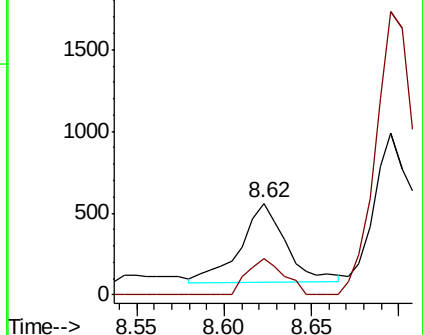
43 100

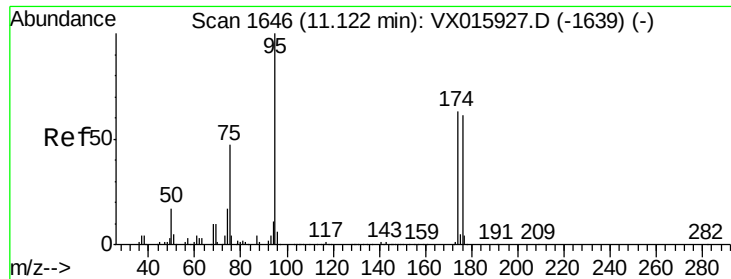
58 37.0 34.2 51.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#62

4-Bromofluorobenzene

Concen: 55.262 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX015954.D

Acq: 25 Apr 2020 00:16

Instrument :

MSVOA_X

ClientSampled :

SP1-B

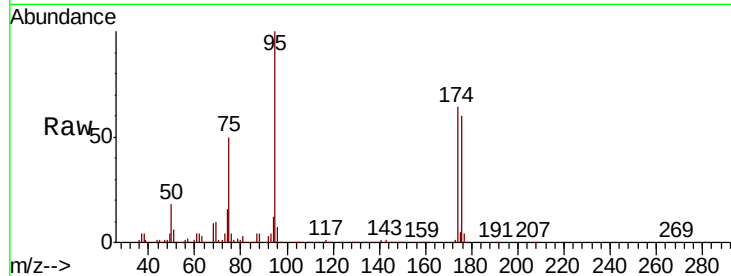
Tot Ion: 95 Resp: 132793

Ion Ratio Lower Upper

95 100

174 66.8 0.0 133.6

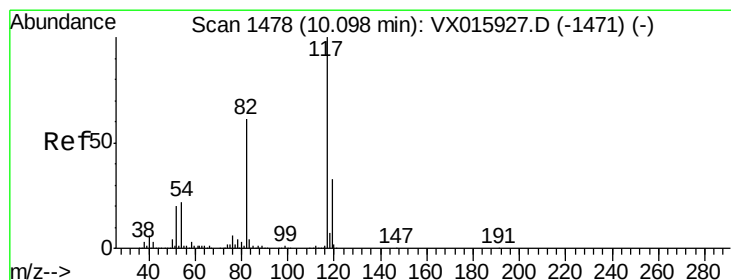
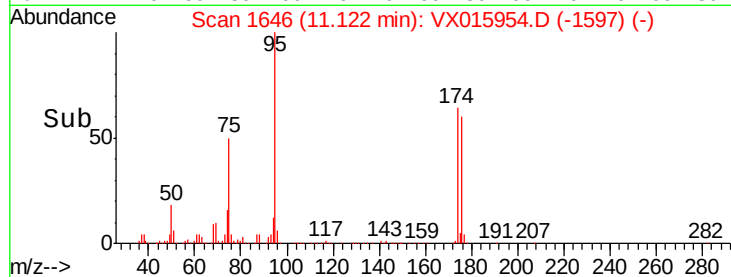
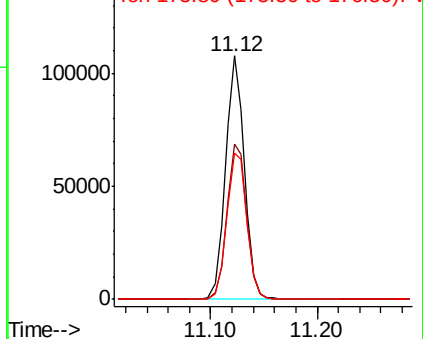
176 64.3 0.0 126.0



Abundance Ion 94.90 (94.60 to 95.60): VX015927.D (-1639) (-)

Ion 173.80 (173.50 to 174.50): VX015927.D (-1639) (-)

Ion 175.80 (175.50 to 176.50): VX015927.D (-1639) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. 0.00 min

Lab File: VX015954.D

Acq: 25 Apr 2020 00:16

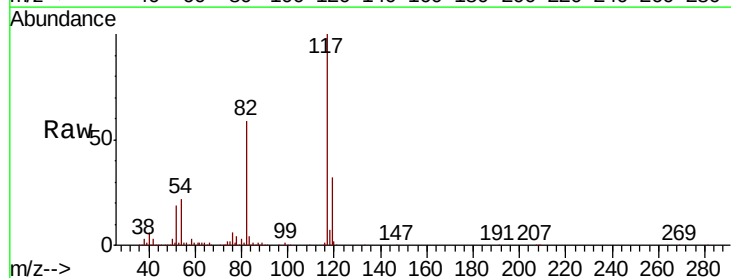
Tgt Ion: 117 Resp: 251969

Ion Ratio Lower Upper

117 100

82 58.5 48.5 72.7

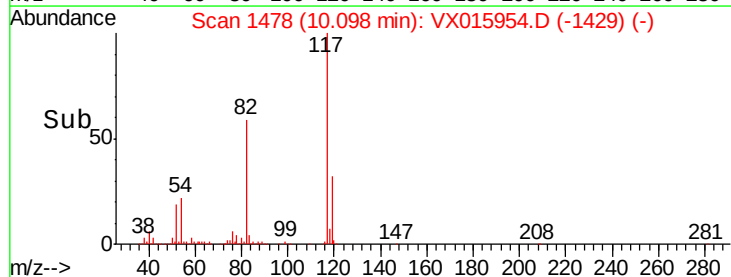
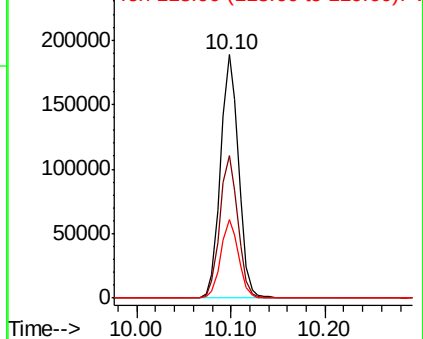
119 32.5 26.2 39.4

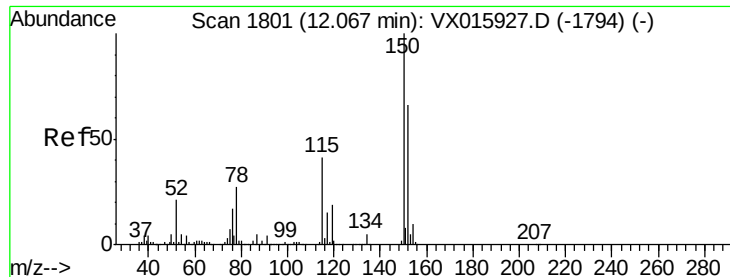


Abundance Ion 116.90 (116.60 to 117.60): VX015927.D (-1471) (-)

Ion 82.00 (81.70 to 82.70): VX015927.D (-1471) (-)

Ion 118.90 (118.60 to 119.60): VX015927.D (-1471) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1801

Delta R.T. 0.00 min

Lab File: VX015954.D

Acq: 25 Apr 2020 00:16

Instrument :

MSVOA_X

ClientSampleId :

SP1-B

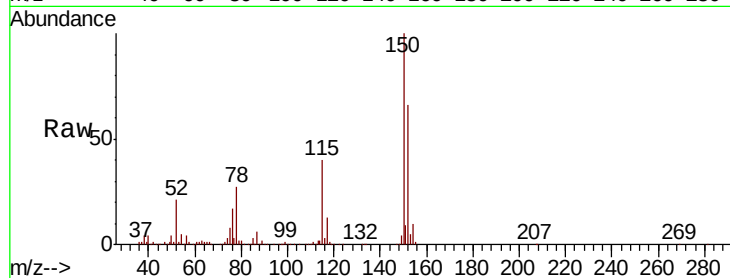
Tot Ion:152 Resp: 122737

Ion Ratio Lower Upper

152 100

115 64.9 44.1 132.4

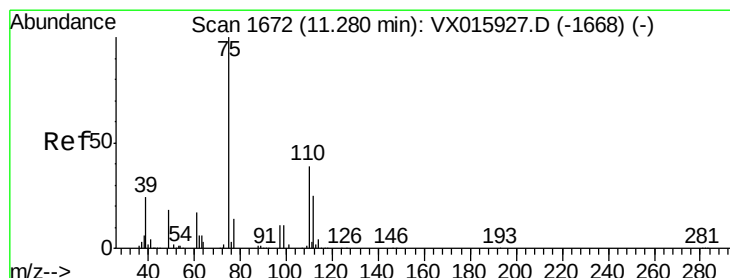
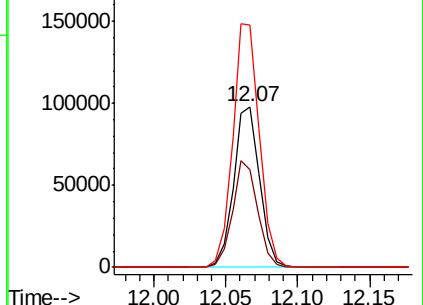
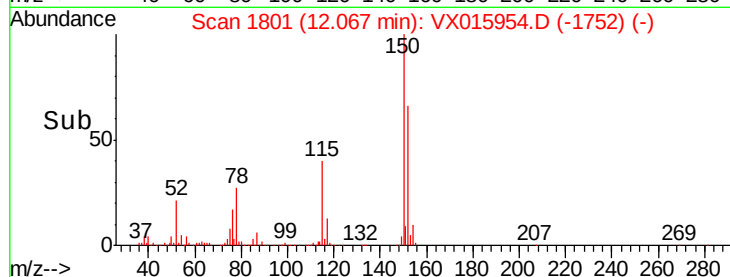
150 156.5 0.0 343.6



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: 25.055 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX015954.D

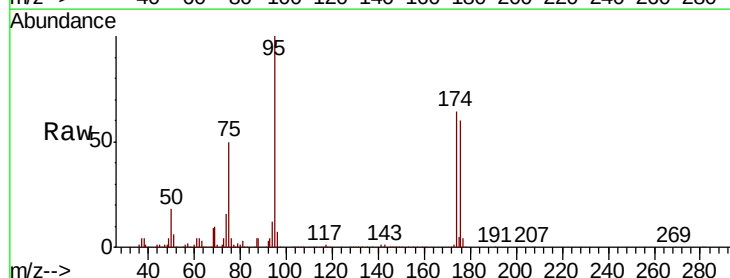
Acq: 25 Apr 2020 00:16

Tgt Ion: 75 Resp: 65966

Ion Ratio Lower Upper

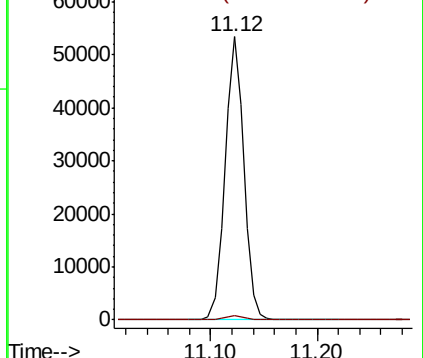
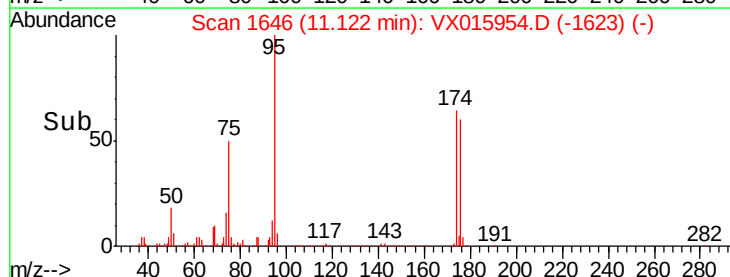
75 100

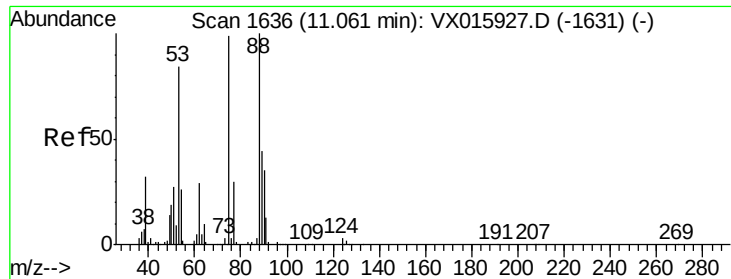
77 1.3 22.1 66.5#



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: 56.440 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.06 min
 Lab File: VX015954.D
 Acq: 25 Apr 2020 00:16

Instrument :
 MSVOA_X
 ClientSampleId :
 SP1-B

Tot Ion: 75 Resp: 65966
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.7 104.5#
 89 0.0 36.3 54.5#

