

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060320\
 Data File : VX016567.D
 Acq On : 03 Jun 2020 15:35
 Operator : JC/SP
 Sample : L2867-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SP20-CHY07

Quant Time: Jun 04 08:24:56 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	248724	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	399894	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	411336	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	219376	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	143139	46.34	ug/l	0.00
Spiked Amount			Recovery	=	92.68%	
35) Dibromofluoromethane	5.47	113	117711	47.80	ug/l	0.00
Spiked Amount			Recovery	=	95.60%	
50) Toluene-d8	8.70	98	496995	51.86	ug/l	0.00
Spiked Amount			Recovery	=	103.72%	
62) 4-Bromofluorobenzene	11.12	95	207247	55.96	ug/l	0.00
Spiked Amount			Recovery	=	111.92%	

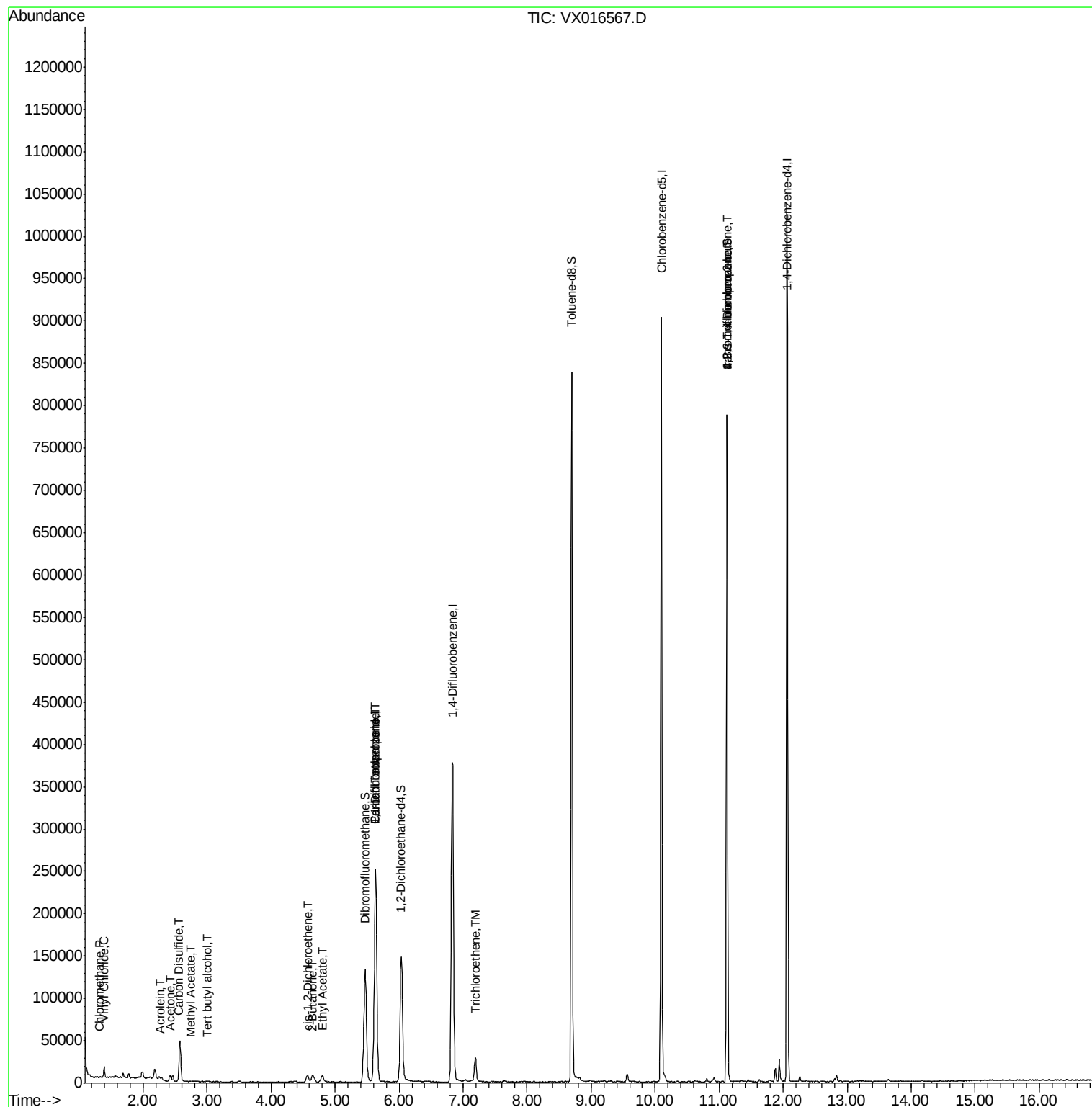
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	722	0.244	ug/l #	85
4) Vinyl Chloride	1.39	62	1204	0.385	ug/l	100
11) Tert butyl alcohol	3.00	59	603	0.761	ug/l #	72
13) Acrolein	2.27	56	379	1.125	ug/l #	13
16) Acetone	2.42	43	7281	5.380	ug/l	96
17) Carbon Disulfide	2.56	76	2148	0.302	ug/l #	79
18) Methyl Acetate	2.75	43	753	0.217	ug/l #	57
25) 2-Butanone	4.65	43	1627	0.710	ug/l #	78
27) cis-1,2-Dichloroethene	4.56	96	5743	1.875	ug/l	77
36) 1,1-Dichloropropene	5.63	75	17498	4.621	ug/l #	51
37) Ethyl Acetate	4.79	43	13331	2.933	ug/l #	95
38) Carbon Tetrachloride	5.63	117	23571	5.924	ug/l #	16
44) Trichloroethene	7.19	130	10928	3.055	ug/l	97
76) 1,2,3-Trichloropropane	11.12	75	100004	20.739	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	100004	51.015	ug/l #	14

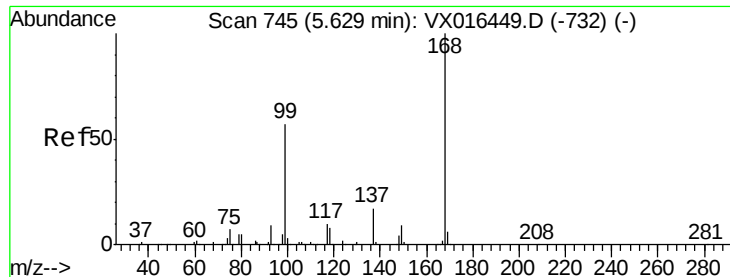
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 746

Delta R.T. 0.01 min

Lab File: VX016567.D

Acq: 03 Jun 2020 15:35

Instrument :

MSVOA_X

ClientSampleId :

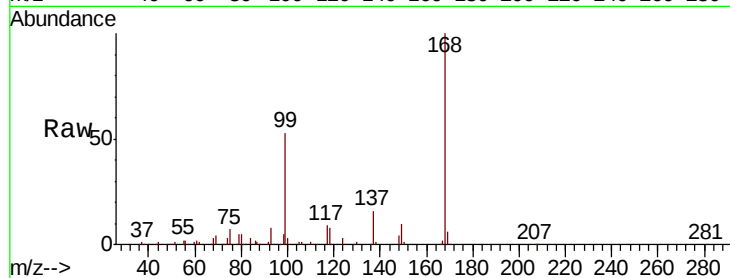
SP20-CHY07

Tot Ion:168 Resp: 248724

Ion Ratio Lower Upper

168 100

99 53.1 45.2 67.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

80000

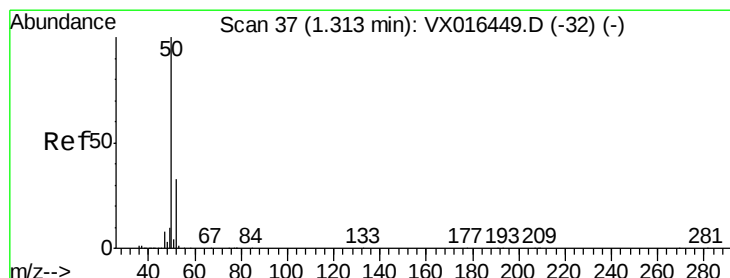
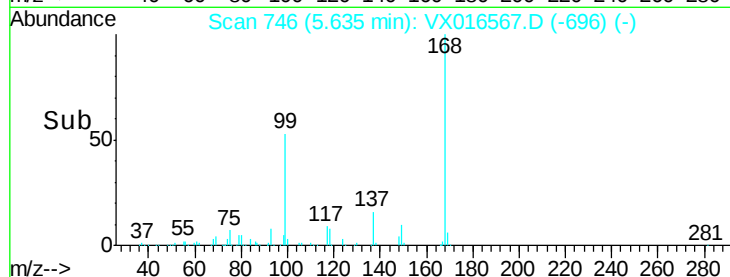
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.244 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX016567.D

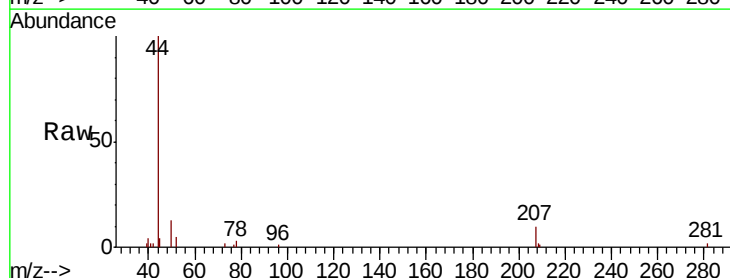
Acq: 03 Jun 2020 15:35

Tgt Ion: 50 Resp: 722

Ion Ratio Lower Upper

50 100

52 41.0 26.2 39.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

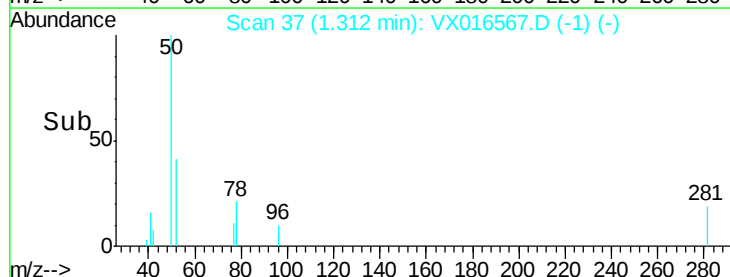
600

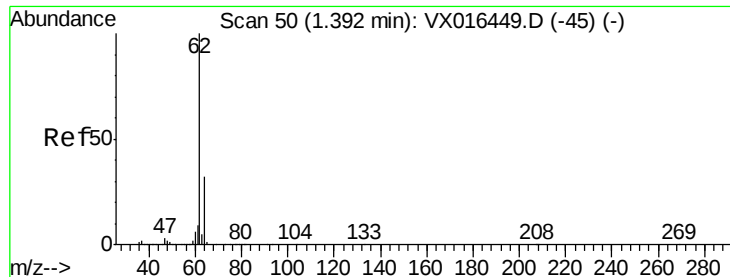
400

200

0

Time-->





#4

Vinyl Chloride

Concen: 0.385 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX016567.D

Acq: 03 Jun 2020 15:35

Instrument :

MSVOA_X

ClientSampled :

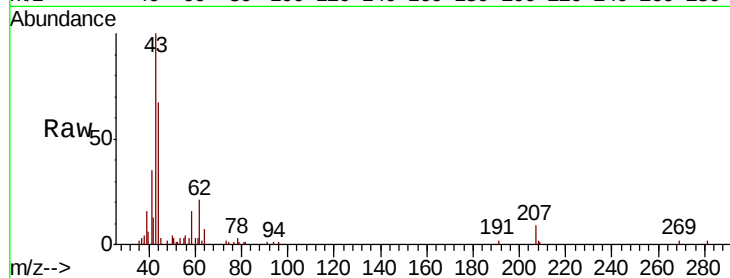
SP20-CHY07

Tot Ion: 62 Resp: 1204

Ion Ratio Lower Upper

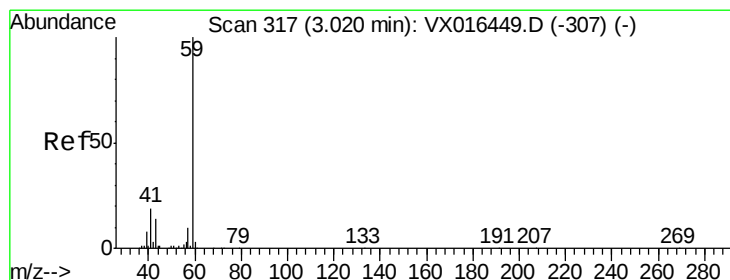
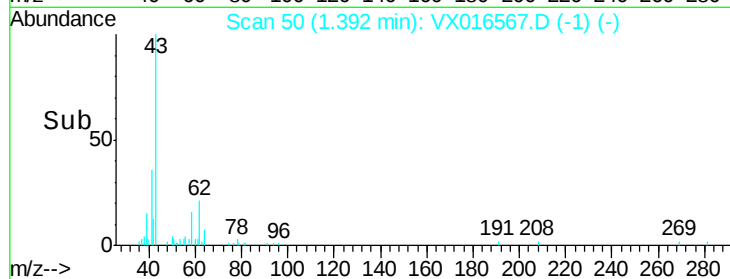
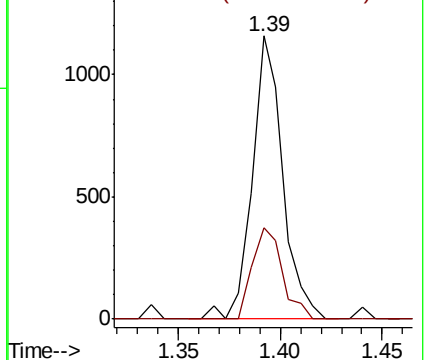
62 100

64 32.3 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



#11

Tert butyl alcohol

Concen: 0.761 ug/l

RT: 3.00 min Scan# 314

Delta R.T. -0.02 min

Lab File: VX016567.D

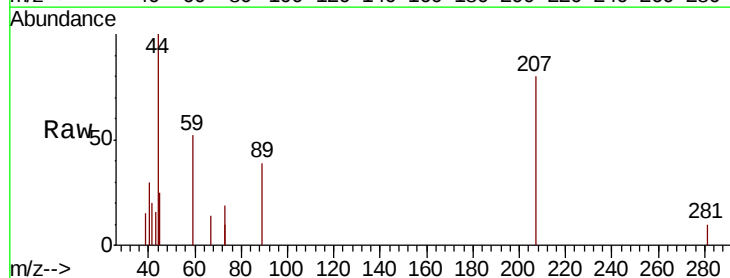
Acq: 03 Jun 2020 15:35

Tgt Ion: 59 Resp: 603

Ion Ratio Lower Upper

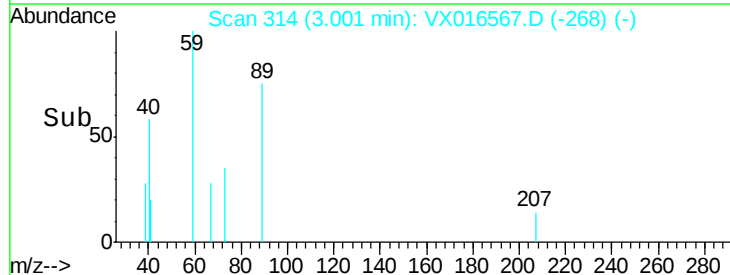
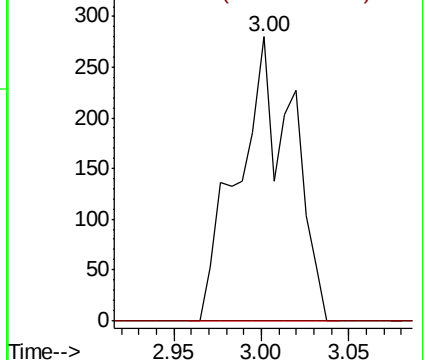
59 100

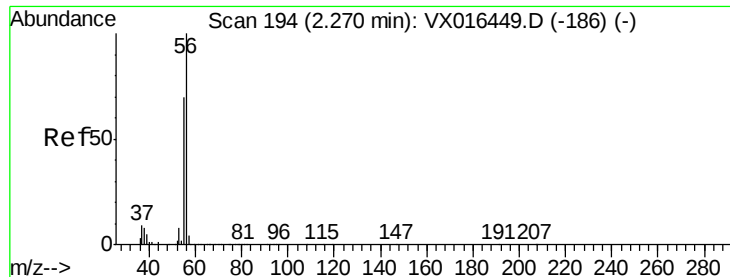
57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 1.125 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.00 min

Lab File: VX016567.D

Acq: 03 Jun 2020 15:35

Instrument :

MSVOA_X

ClientSampled :

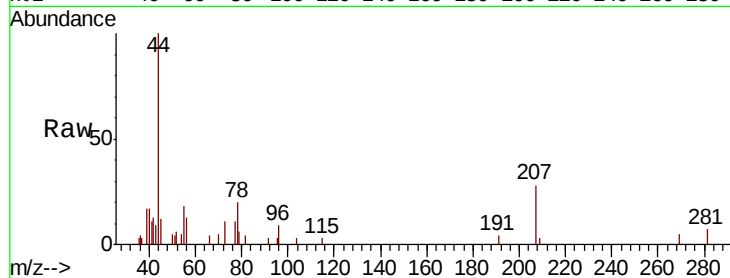
SP20-CHY07

Tot Ion: 56 Resp: 379

Ion Ratio Lower Upper

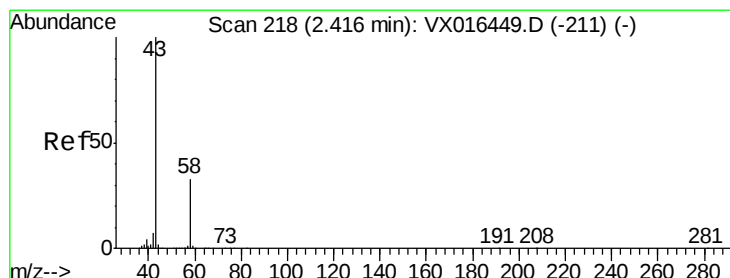
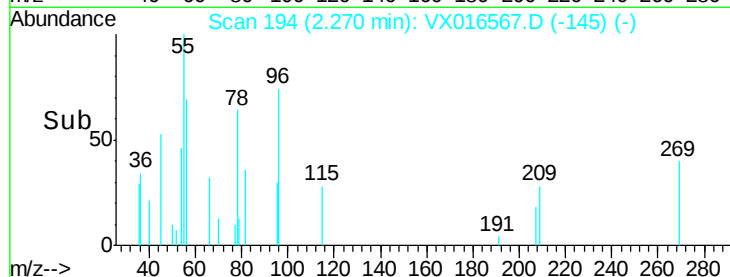
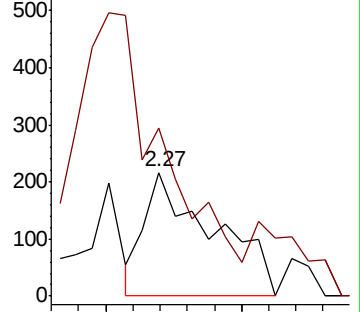
56 100

55 0.0 58.3 87.5#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 5.380 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.00 min

Lab File: VX016567.D

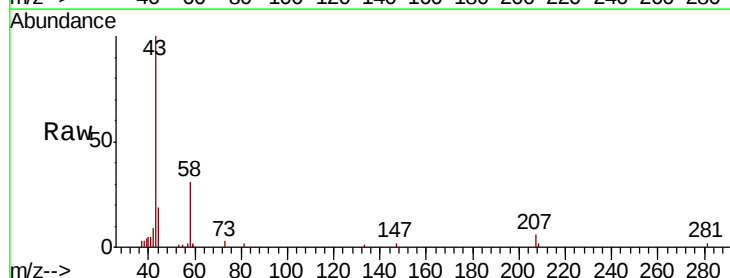
Acq: 03 Jun 2020 15:35

Tgt Ion: 43 Resp: 7281

Ion Ratio Lower Upper

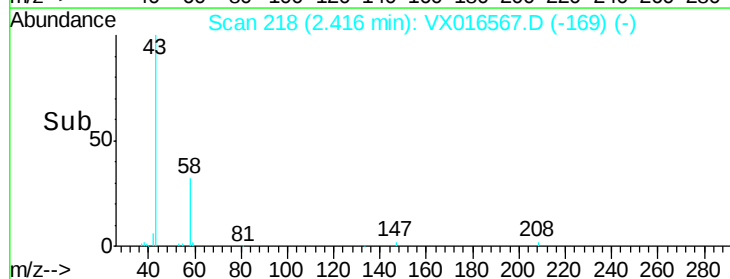
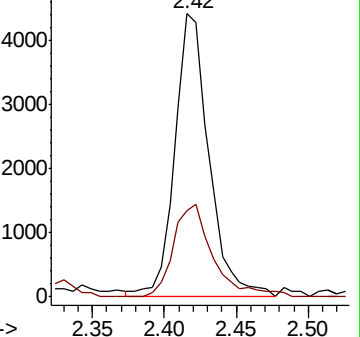
43 100

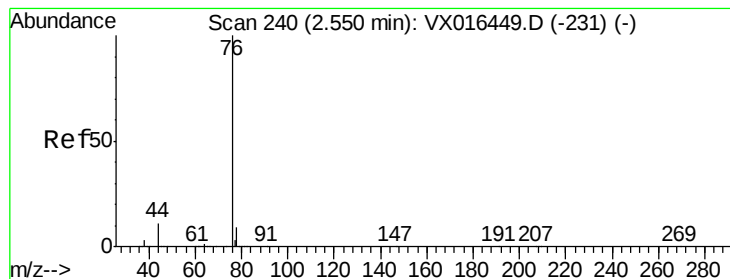
58 30.5 26.1 39.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.302 ug/l

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX016567.D

Acq: 03 Jun 2020 15:35

Instrument :

MSVOA_X

ClientSampleId :

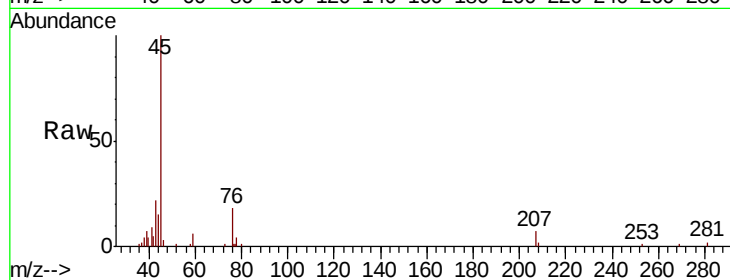
SP20-CHY07

Tot Ion: 76 Resp: 2148

Ion Ratio Lower Upper

76 100

78 16.8 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

1200

1000

800

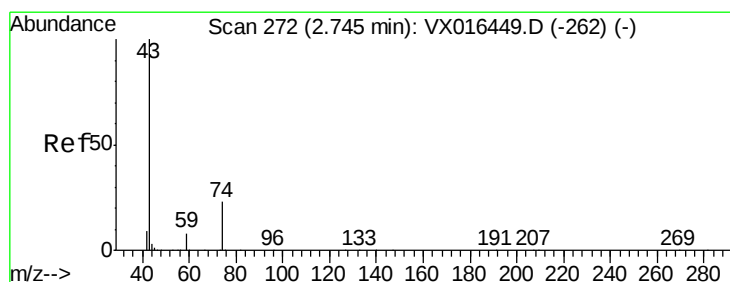
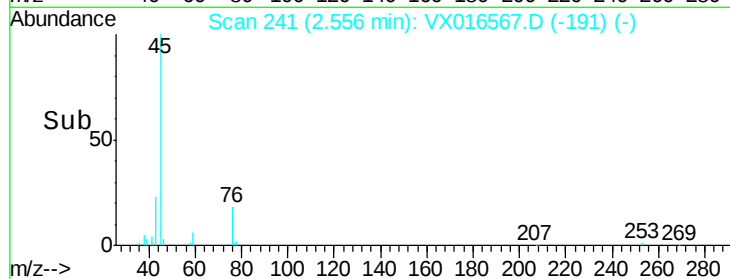
600

400

200

0

Time-->



#18

Methyl Acetate

Concen: 0.217 ug/l

RT: 2.75 min Scan# 273

Delta R.T. 0.01 min

Lab File: VX016567.D

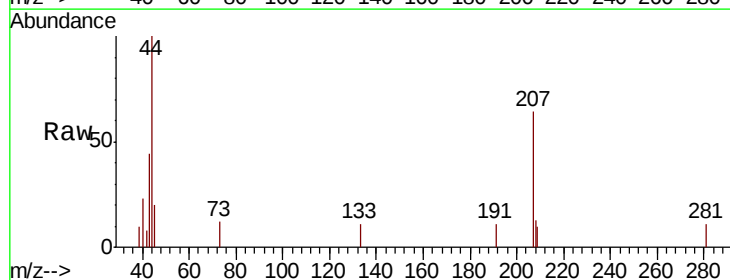
Acq: 03 Jun 2020 15:35

Tgt Ion: 43 Resp: 753

Ion Ratio Lower Upper

43 100

74 3.1 19.7 29.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.75

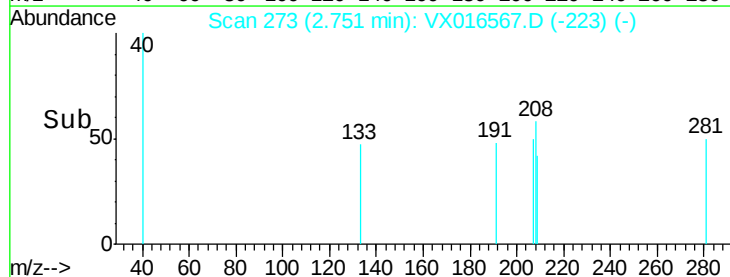
300

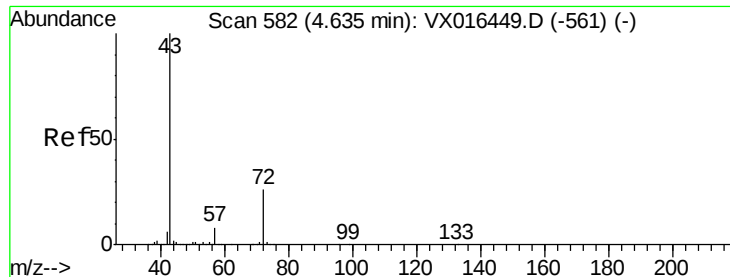
200

100

0

Time-->





#25

2-Butanone

Concen: 0.710 ug/l

RT: 4.65 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX016567.D

Acq: 03 Jun 2020 15:35

Instrument :

MSVOA_X

ClientSampleId :

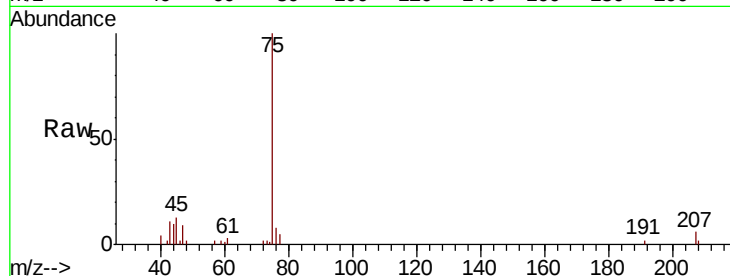
SP20-CHY07

Tot Ion: 43 Resp: 1627

Ion Ratio Lower Upper

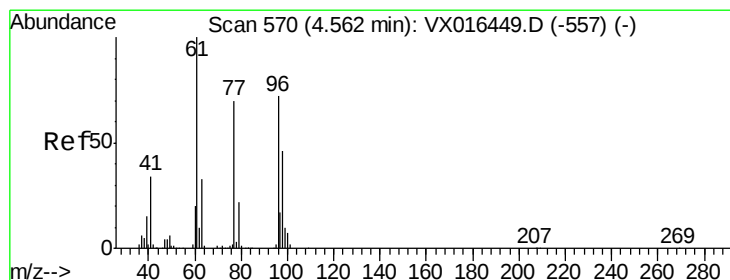
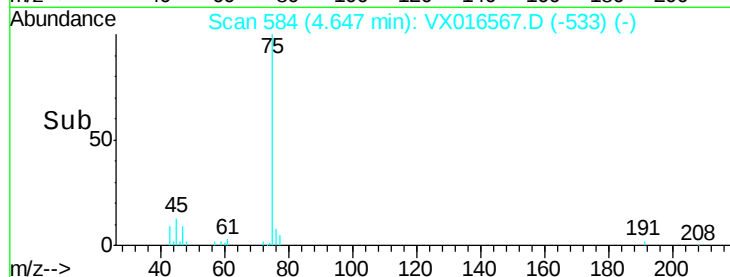
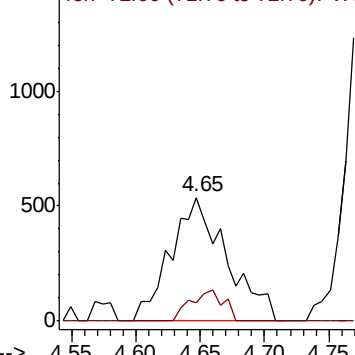
43 100

72 15.1 21.0 31.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#27

cis-1,2-Dichloroethene

Concen: 1.875 ug/l

RT: 4.56 min Scan# 570

Delta R.T. -0.00 min

Lab File: VX016567.D

Acq: 03 Jun 2020 15:35

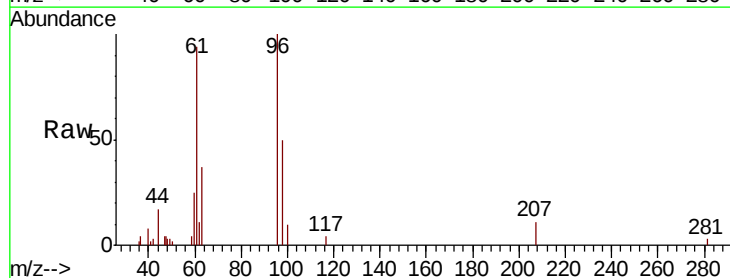
Tgt Ion: 96 Resp: 5743

Ion Ratio Lower Upper

96 100

61 104.4 0.0 284.6

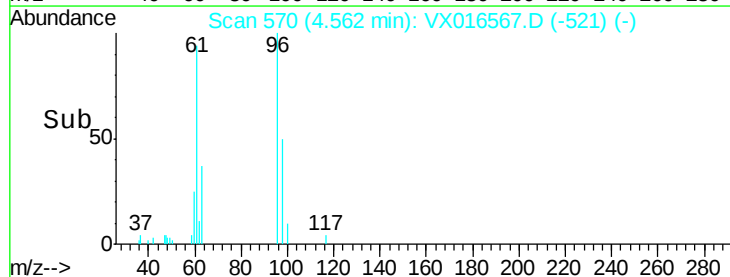
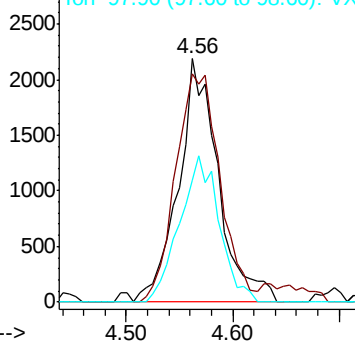
98 59.6 0.0 127.2

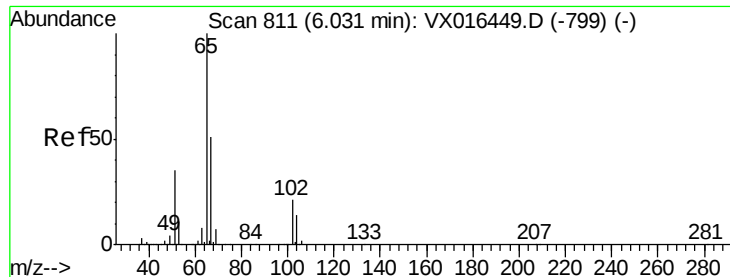


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

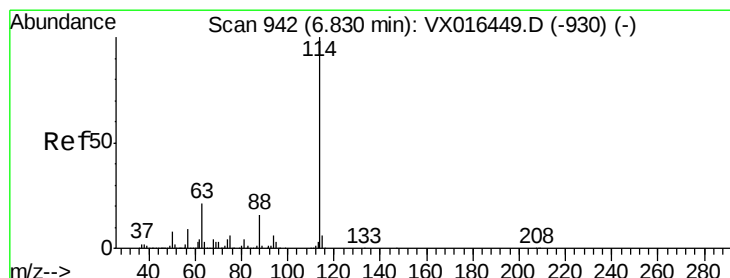
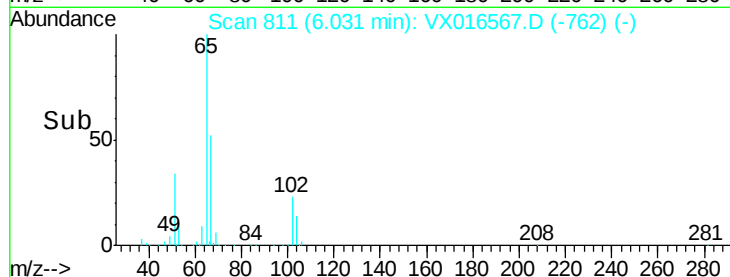
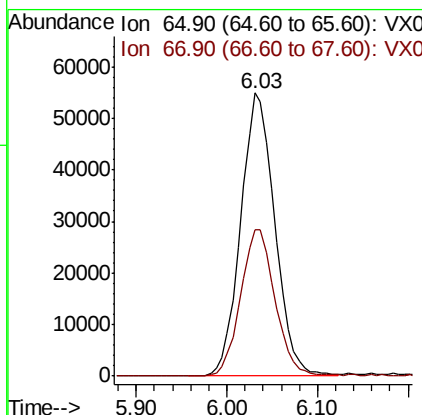
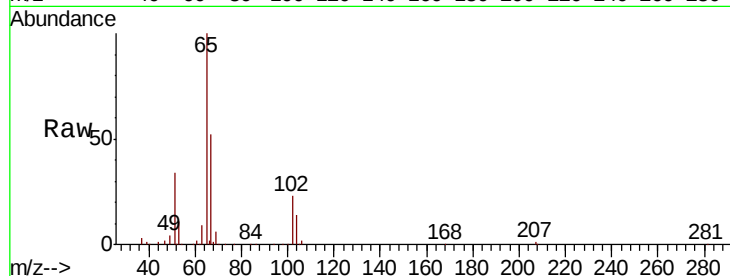




#33
 1,2-Dichloroethane-d4
 Concen: 46.341 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX016567.D
 Acq: 03 Jun 2020 15:35

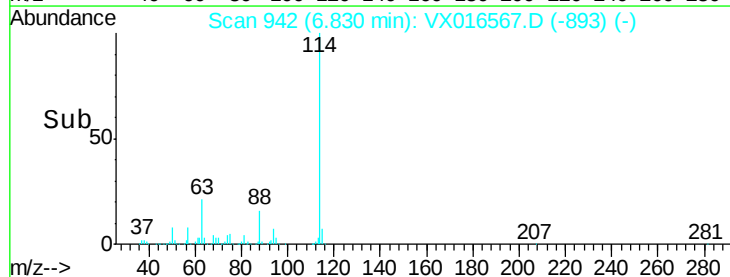
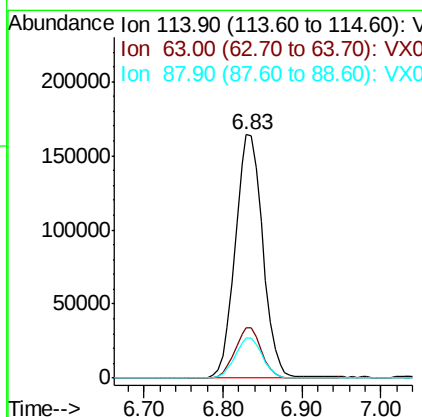
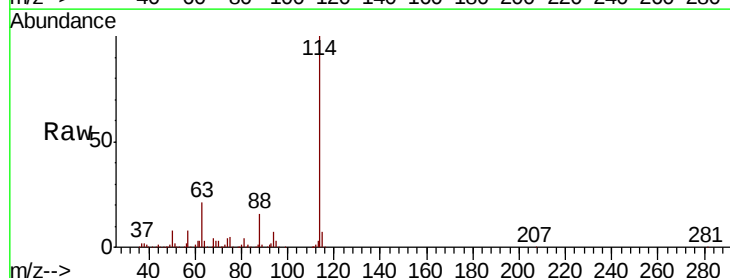
Instrument :
 MSVOA_X
 ClientSampleId :
 SP20-CHY07

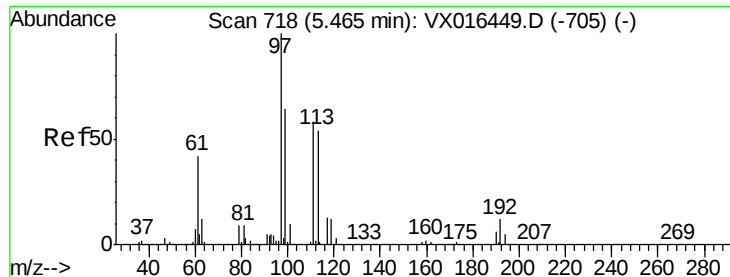
Tot Ion: 65 Resp: 143139
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: VX016567.D
 Acq: 03 Jun 2020 15:35

Tgt Ion: 114 Resp: 399894
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 42.6
 88 16.2 0.0 32.8





#35

Dibromofluoromethane

Concen: 47.805 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX016567.D

Acq: 03 Jun 2020 15:35

Instrument :

MSVOA_X

ClientSampleId :

SP20-CHY07

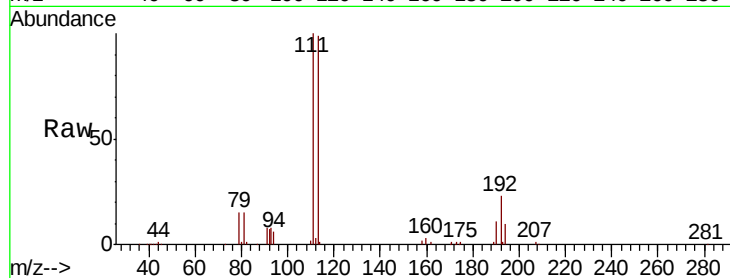
Tot Ion:113 Resp: 117711

Ion Ratio Lower Upper

113 100

111 101.1 83.0 124.6

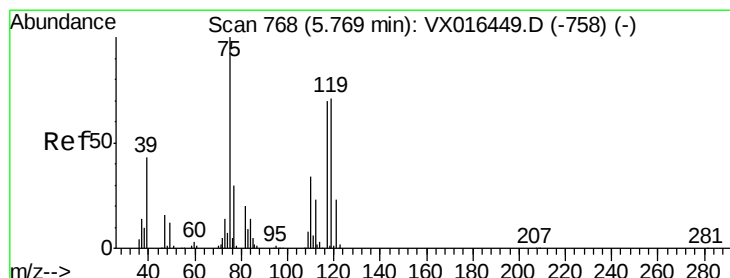
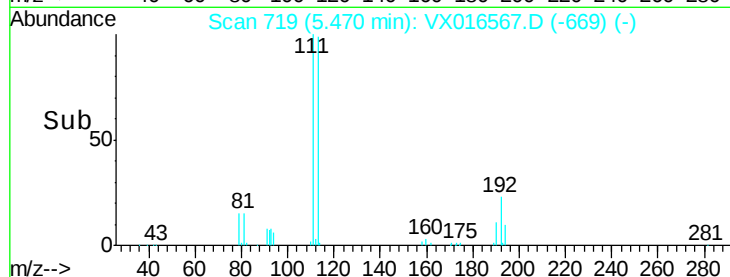
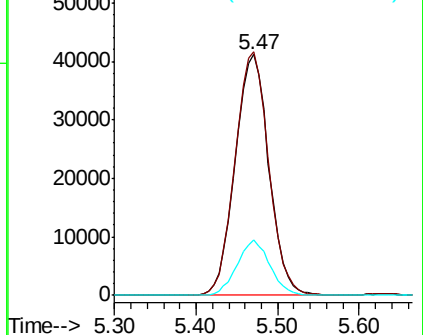
192 22.4 17.7 26.5



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: 4.621 ug/l

RT: 5.63 min Scan# 746

Delta R.T. -0.13 min

Lab File: VX016567.D

Acq: 03 Jun 2020 15:35

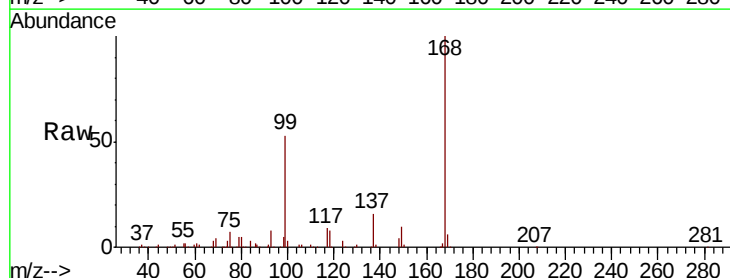
Tgt Ion: 75 Resp: 17498

Ion Ratio Lower Upper

75 100

110 9.4 17.4 52.3#

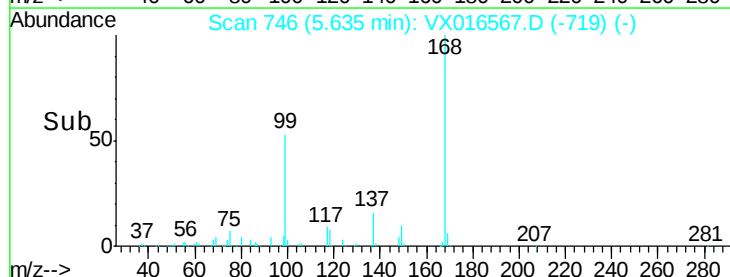
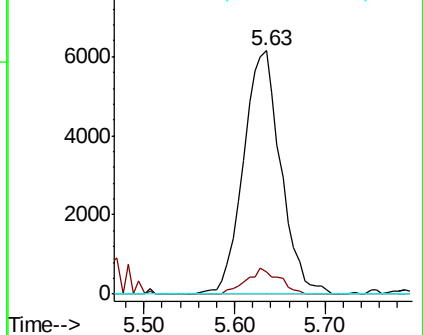
77 0.0 24.2 36.4#

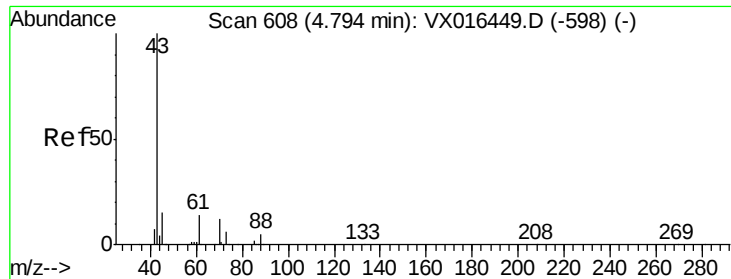


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

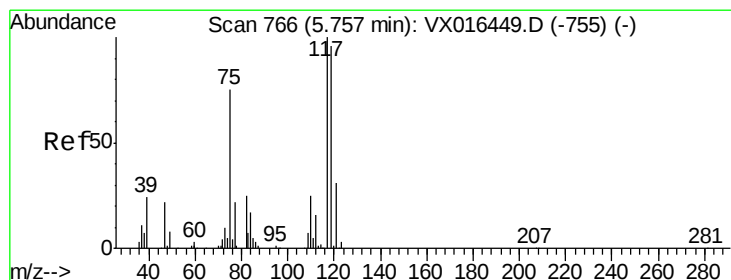
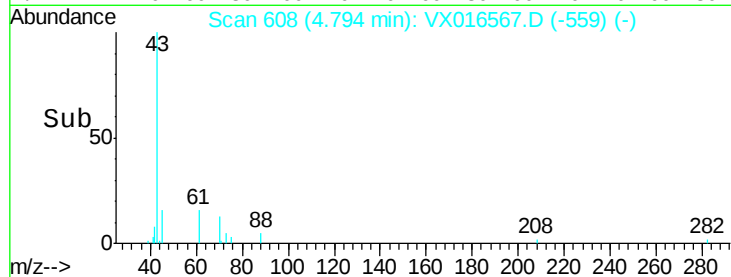
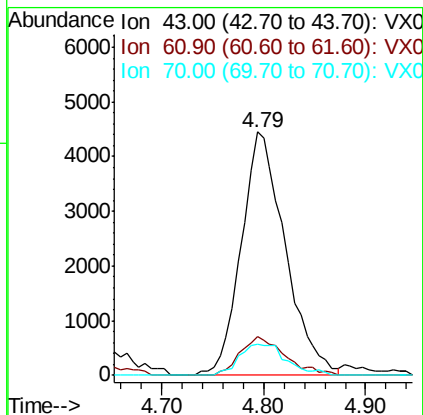
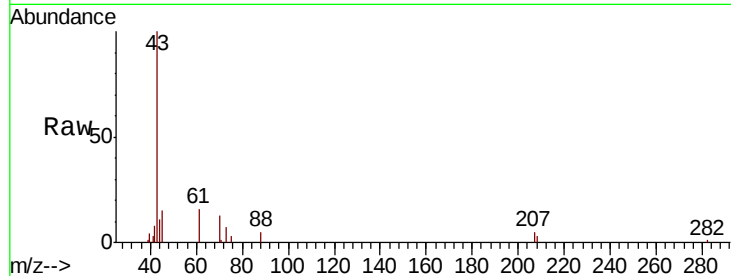




#37
Ethyl Acetate
Concen: 2.933 ug/l
RT: 4.79 min Scan# 608
Delta R.T. -0.00 min
Lab File: VX016567.D
Acq: 03 Jun 2020 15:35

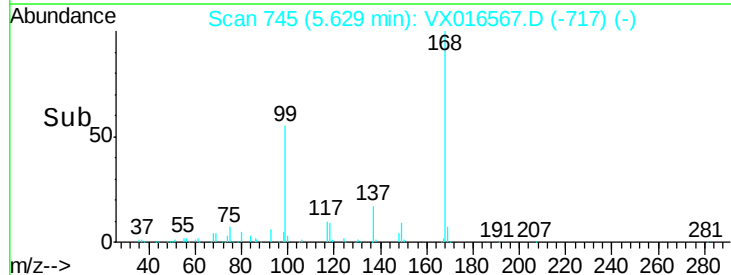
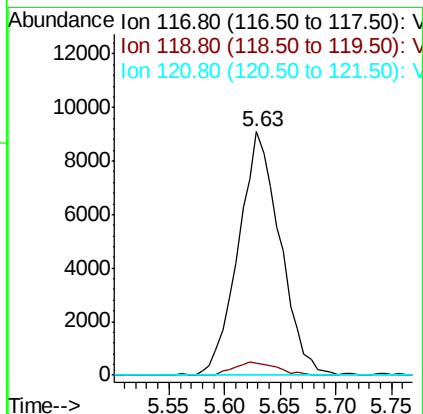
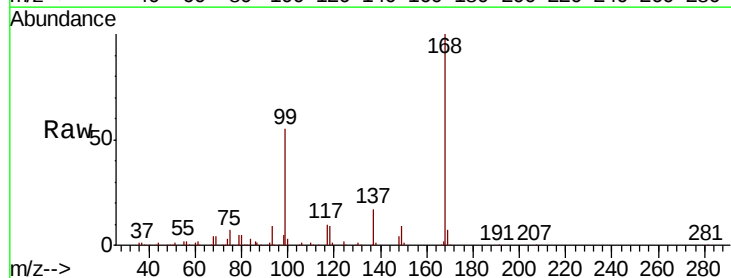
Instrument :
MSVOA_X
ClientSampleId :
SP20-CHY07

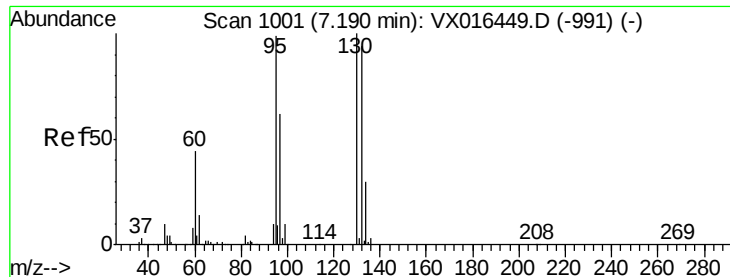
Tot Ion: 43 Resp: 13331
Ion Ratio Lower Upper
43 100
61 16.1 11.3 16.9
70 13.9 9.3 13.9#



#38
Carbon Tetrachloride
Concen: 5.924 ug/l
RT: 5.63 min Scan# 745
Delta R.T. -0.13 min
Lab File: VX016567.D
Acq: 03 Jun 2020 15:35

Tgt Ion: 117 Resp: 23571
Ion Ratio Lower Upper
117 100
119 5.0 76.3 114.5#
121 0.0 24.6 37.0#





#44

Trichloroethene

Concen: 3.055 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VX016567.D

Acq: 03 Jun 2020 15:35

Instrument :

MSVOA_X

ClientSampleId :

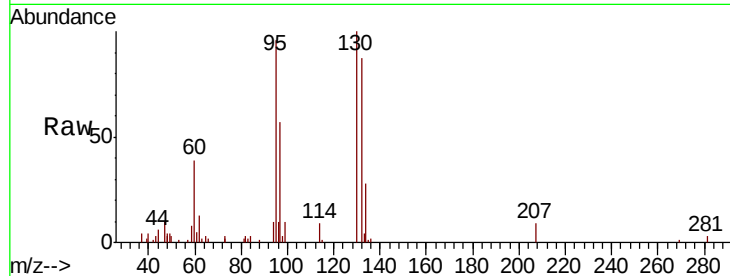
SP20-CHY07

Tot Ion:130 Resp: 10928

Ion Ratio Lower Upper

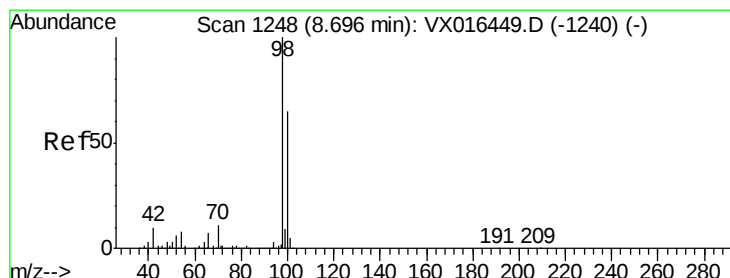
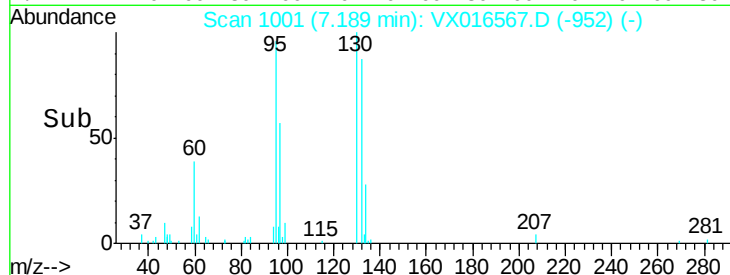
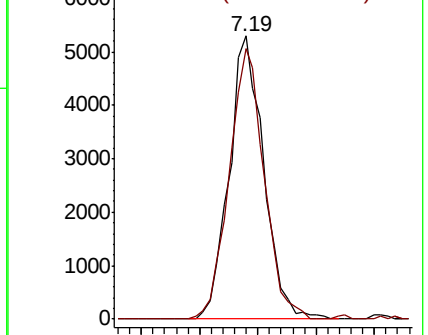
130 100

95 95.7 0.0 198.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 51.857 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016567.D

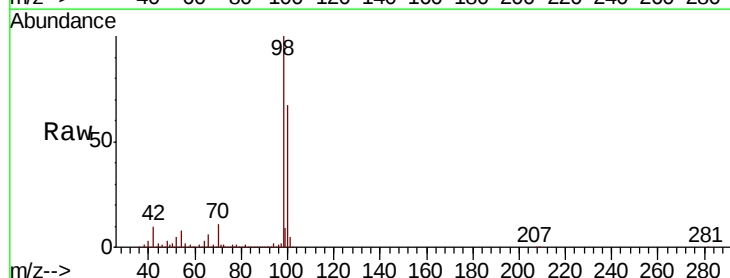
Acq: 03 Jun 2020 15:35

Tgt Ion: 98 Resp: 496995

Ion Ratio Lower Upper

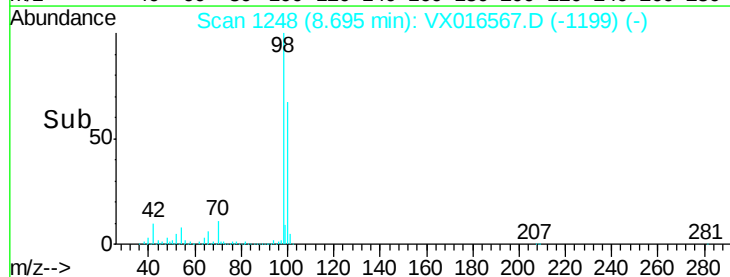
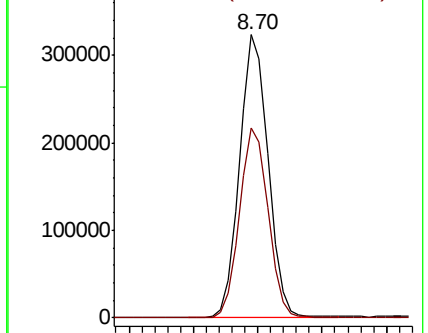
98 100

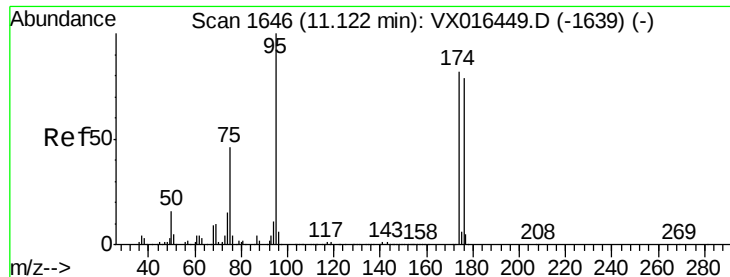
100 67.6 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 55.964 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016567.D

Acq: 03 Jun 2020 15:35

Instrument :

MSVOA_X

ClientSampleId :

SP20-CHY07

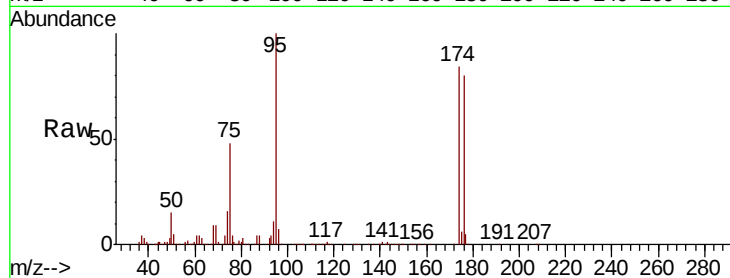
Tot Ion: 95 Resp: 207247

Ion Ratio Lower Upper

95 100

174 84.1 0.0 163.0

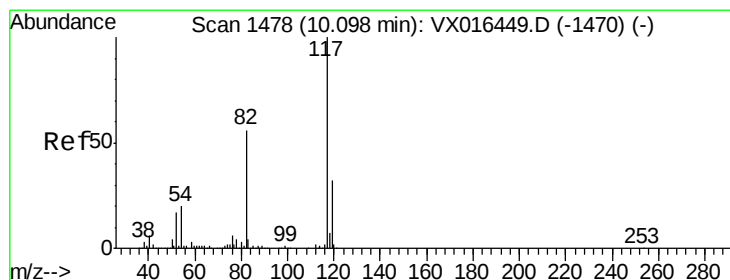
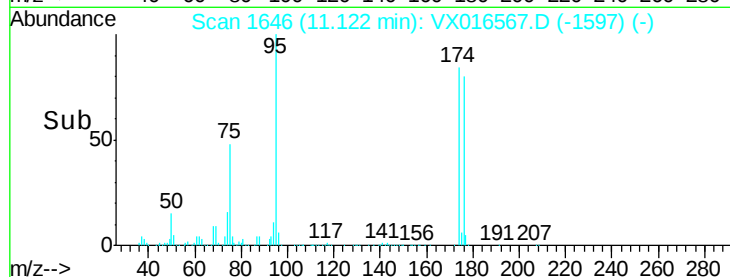
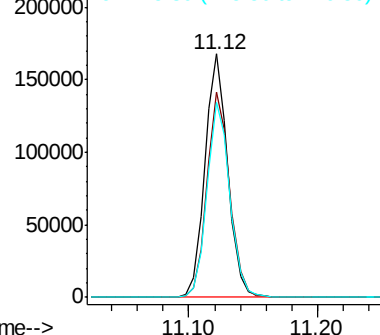
176 80.3 0.0 156.8



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: VX016567.D

Acq: 03 Jun 2020 15:35

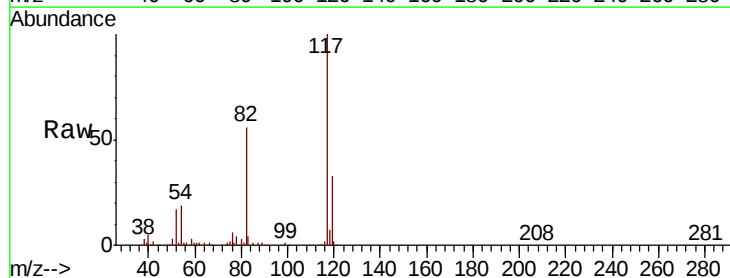
Tgt Ion: 117 Resp: 411336

Ion Ratio Lower Upper

117 100

82 55.8 45.0 67.6

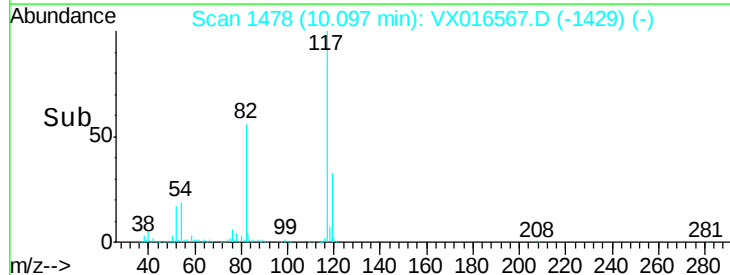
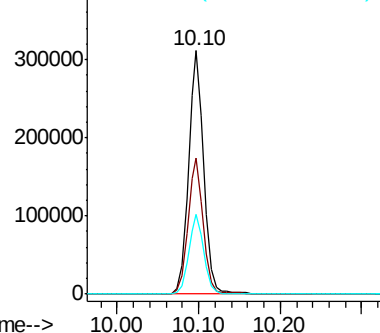
119 33.0 25.8 38.8

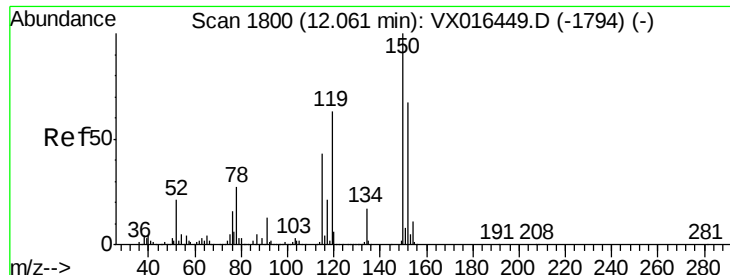


Abundance Ion 116.90 (116.60 to 117.60): VX0

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: VX016567.D

Acq: 03 Jun 2020 15:35

Instrument :

MSVOA_X

ClientSampleId :

SP20-CHY07

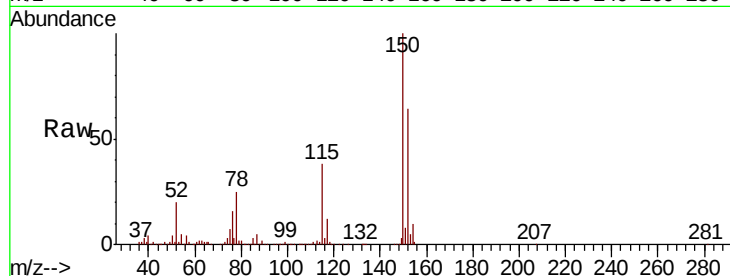
Tot Ion:152 Resp: 219376

Ion Ratio Lower Upper

152 100

115 58.2 39.9 119.6

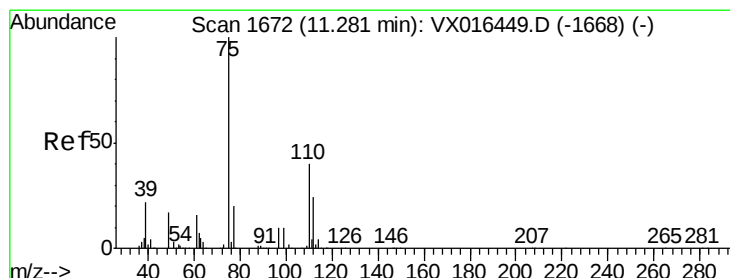
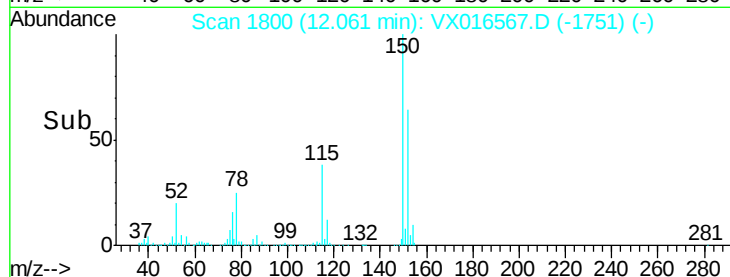
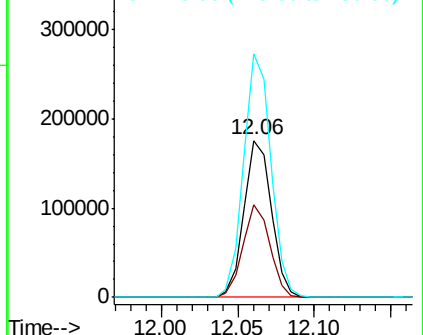
150 155.0 0.0 341.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 20.739 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016567.D

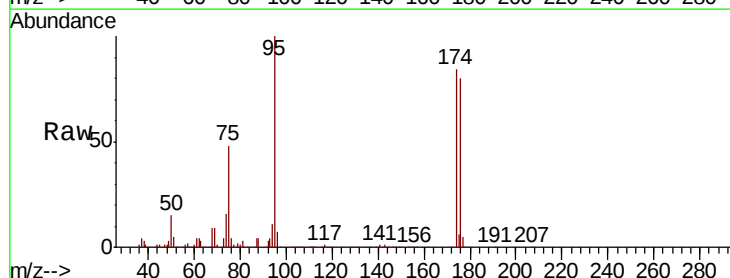
Acq: 03 Jun 2020 15:35

Tgt Ion: 75 Resp: 100004

Ion Ratio Lower Upper

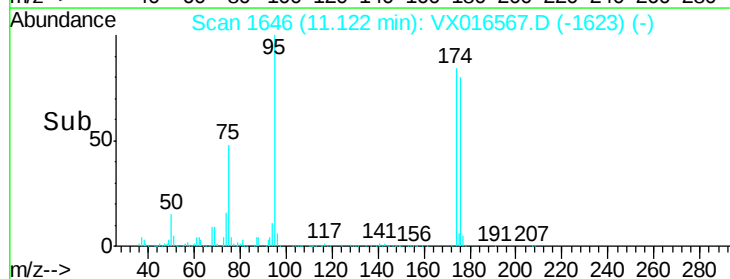
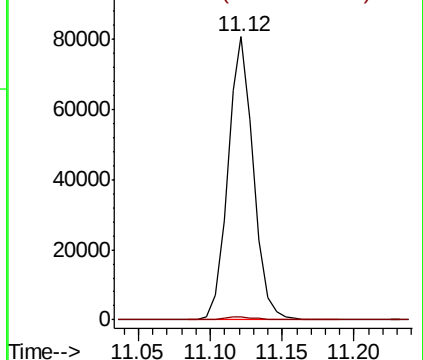
75 100

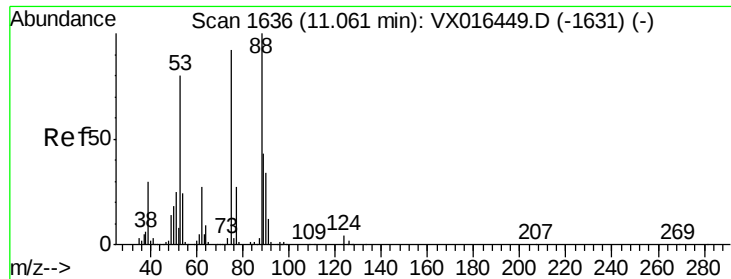
77 1.3 21.3 63.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 51.015 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.06 min
 Lab File: VX016567.D
 Acq: 03 Jun 2020 15:35

Instrument :
 MSVOA_X
 ClientSampleId :
 SP20-CHY07

Tot Ion: 75 Resp: 100004
 Ion Ratio Lower Upper
 75 100
 53 0.1 71.3 106.9#
 89 0.0 36.6 55.0#

