

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060320\
 Data File : VX016569.D
 Acq On : 03 Jun 2020 16:20
 Operator : JC/SP
 Sample : L2867-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SP20-CHY08

Quant Time: Jun 04 08:25:24 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	252236	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	405454	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	410872	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	219210	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	147068	46.95	ug/l	0.00
Spiked Amount			Recovery	=	93.90%	
35) Dibromofluoromethane	5.46	113	119928	48.04	ug/l	0.00
Spiked Amount			Recovery	=	96.08%	
50) Toluene-d8	8.70	98	502999	51.76	ug/l	0.00
Spiked Amount			Recovery	=	103.52%	
62) 4-Bromofluorobenzene	11.12	95	207142	55.17	ug/l	0.00
Spiked Amount			Recovery	=	110.34%	

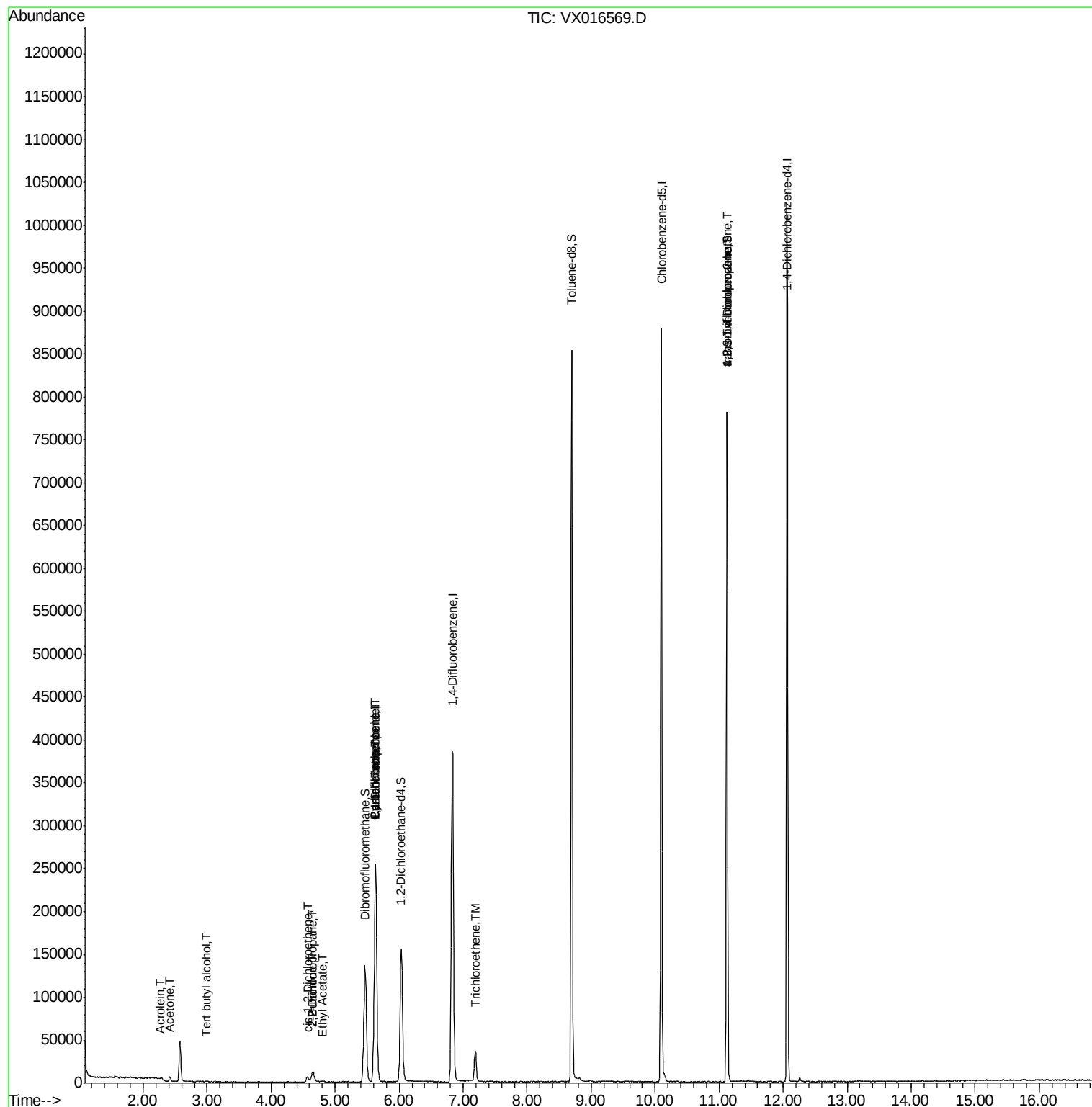
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.99	59	217	0.270	ug/l #	72
13) Acrolein	2.26	56	232	0.679	ug/l #	13
16) Acetone	2.42	43	4789	3.490	ug/l	93
25) 2-Butanone	4.65	43	1131	0.486	ug/l #	84
26) 2,2-Dichloropropane	4.64	77	1075	0.271	ug/l #	53
27) cis-1,2-Dichloroethene	4.57	96	3940	1.269	ug/l	90
31) Cyclohexane	5.63	56	4529	1.040	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	17845	4.648	ug/l #	50
37) Ethyl Acetate	4.80	43	1474	0.320	ug/l #	93
38) Carbon Tetrachloride	5.63	117	24135	5.983	ug/l #	16
44) Trichloroethene	7.18	130	13981	3.855	ug/l	89
76) 1,2,3-Trichloropropane	11.12	75	101395	21.044	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	101395	51.764	ug/l #	14

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

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Quant Time: Jun 04 08:25:24 2020
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: VX016569.D

Acq: 03 Jun 2020 16:20

Instrument :

MSVOA_X

ClientSampleId :

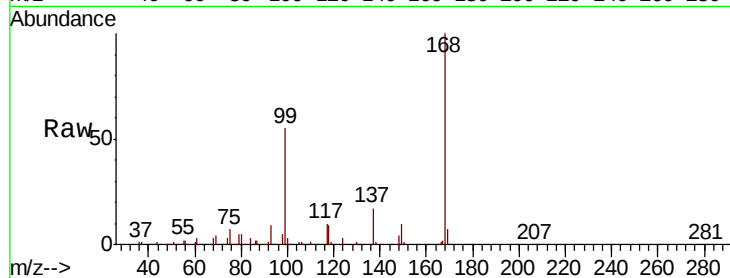
SP20-CHY08

Tot Ion:168 Resp: 252236

Ion Ratio Lower Upper

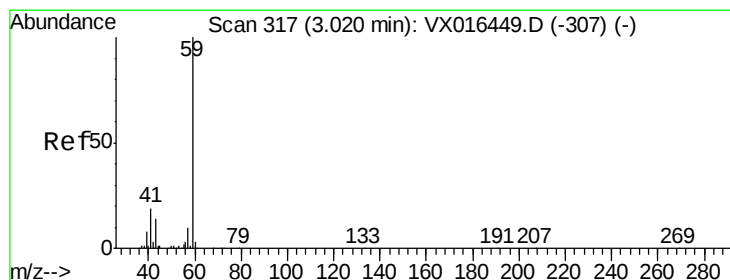
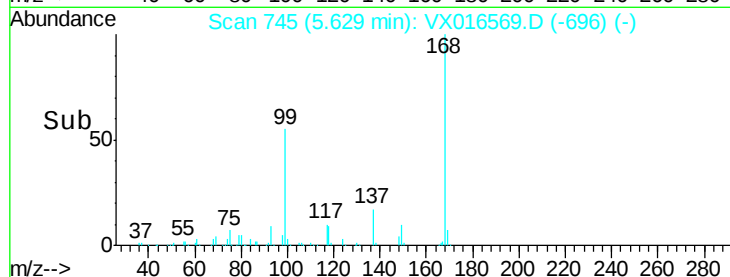
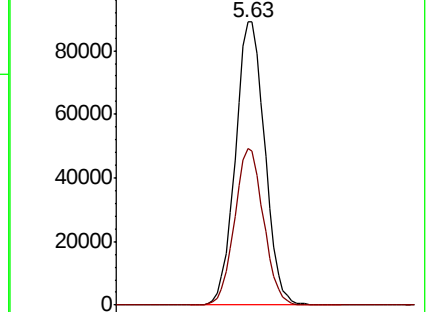
168 100

99 55.2 45.2 67.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#11

Tert butyl alcohol

Concen: 0.270 ug/l

RT: 2.99 min Scan# 312

Delta R.T. -0.03 min

Lab File: VX016569.D

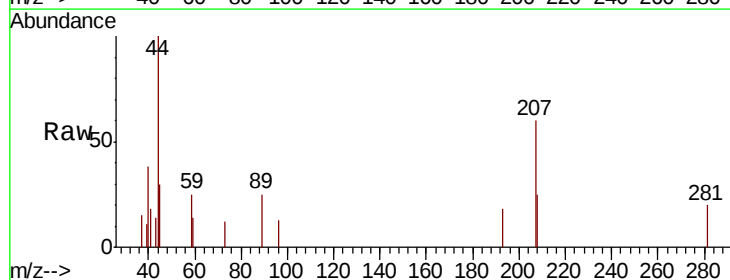
Acq: 03 Jun 2020 16:20

Tgt Ion: 59 Resp: 217

Ion Ratio Lower Upper

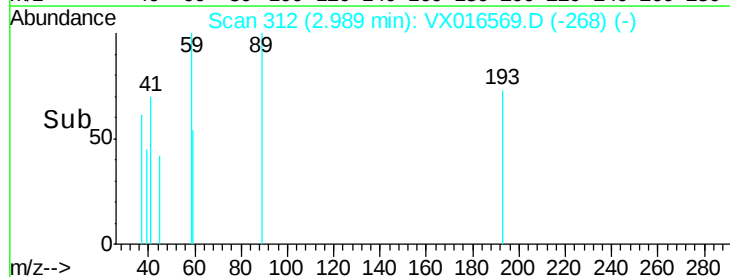
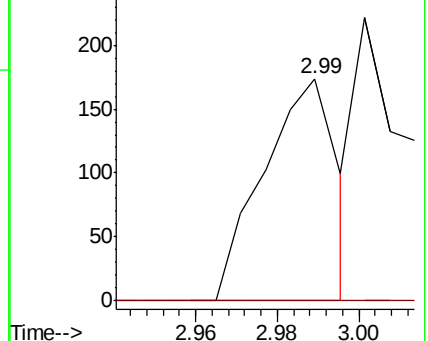
59 100

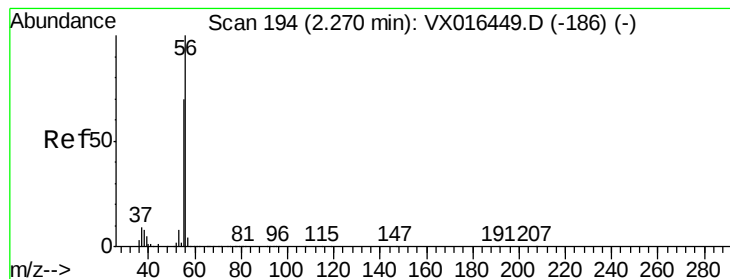
57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.679 ug/l

RT: 2.26 min Scan# 193

Delta R.T. -0.01 min

Lab File: VX016569.D

Acq: 03 Jun 2020 16:20

Instrument :

MSVOA_X

ClientSampleId :

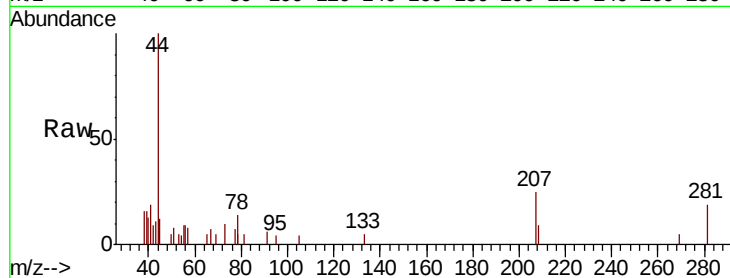
SP20-CHY08

Tot Ion: 56 Resp: 232

Ion Ratio Lower Upper

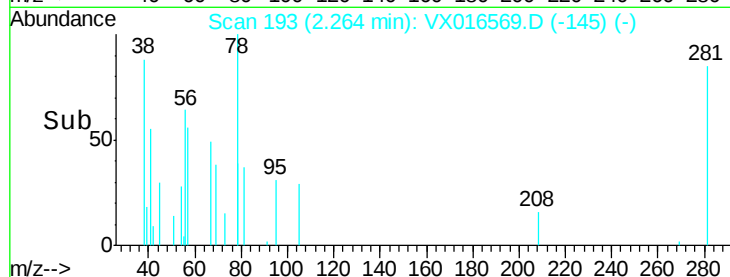
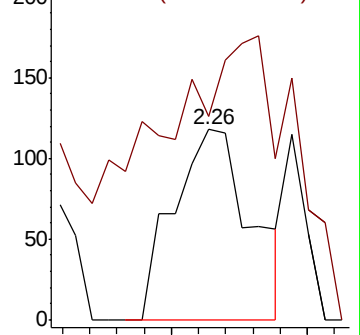
56 100

55 0.0 58.3 87.5#

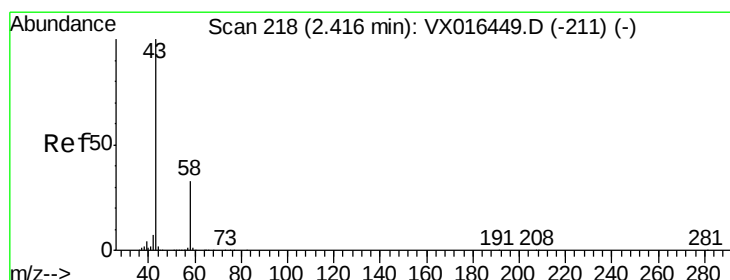


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



Time-->



#16

Acetone

Concen: 3.490 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.00 min

Lab File: VX016569.D

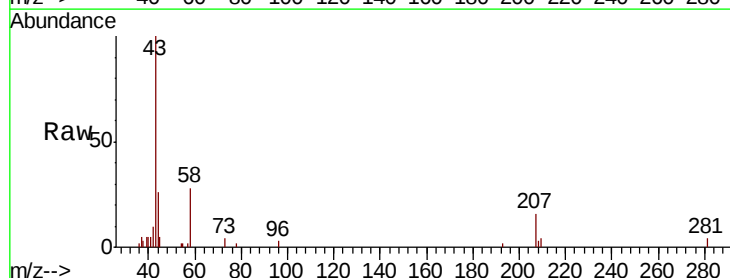
Acq: 03 Jun 2020 16:20

Tgt Ion: 43 Resp: 4789

Ion Ratio Lower Upper

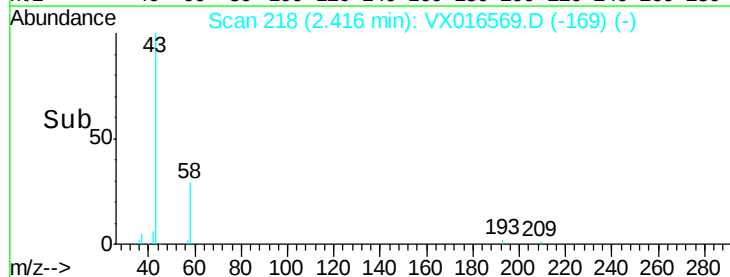
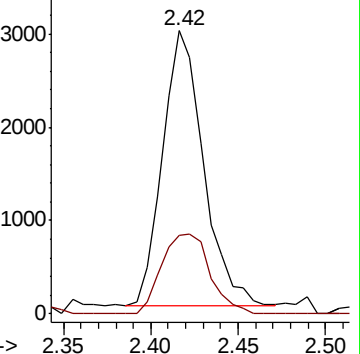
43 100

58 28.6 26.1 39.1

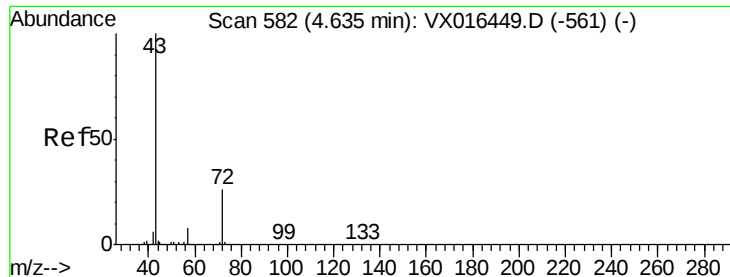


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



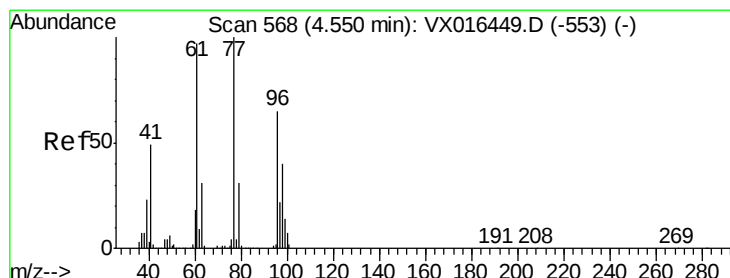
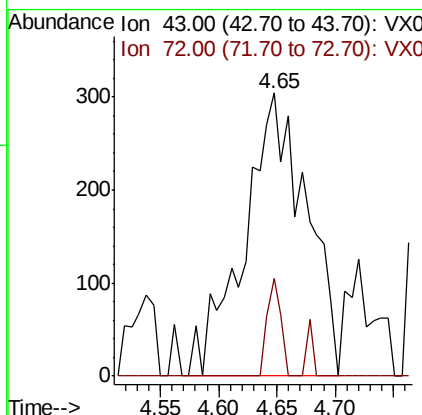
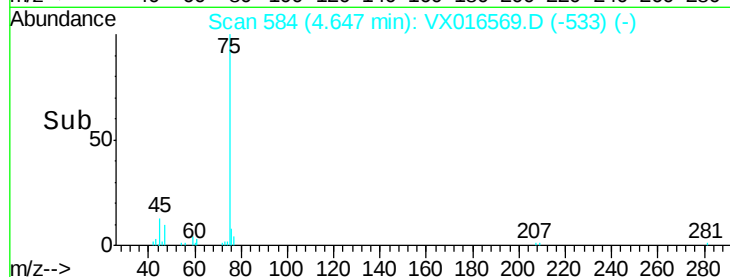
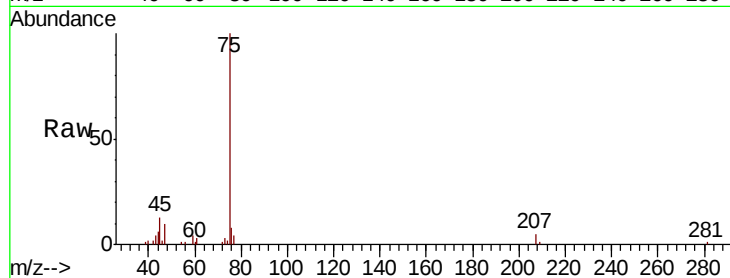
Time-->



#25
 2-Butanone
 Concen: 0.486 ug/l
 RT: 4.65 min Scan# 584
 Delta R.T. 0.01 min
 Lab File: VX016569.D
 Acq: 03 Jun 2020 16:20

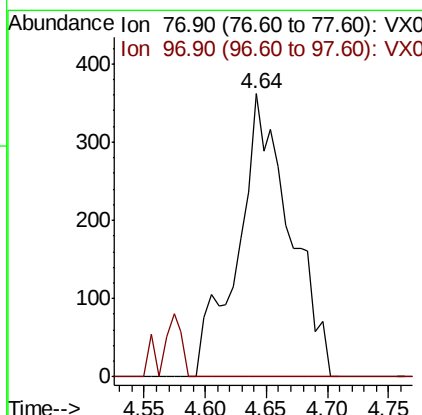
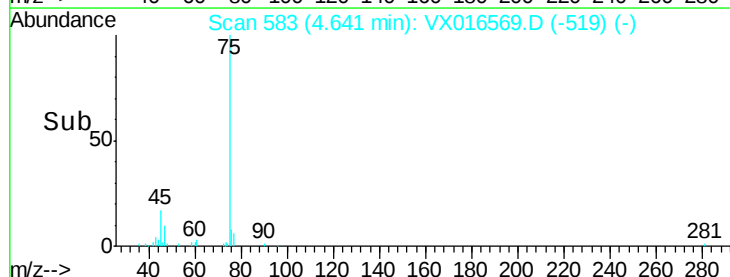
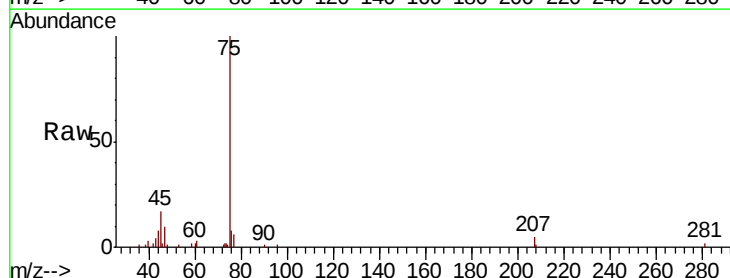
Instrument :
 MSVOA_X
 ClientSampleId :
 SP20-CHY08

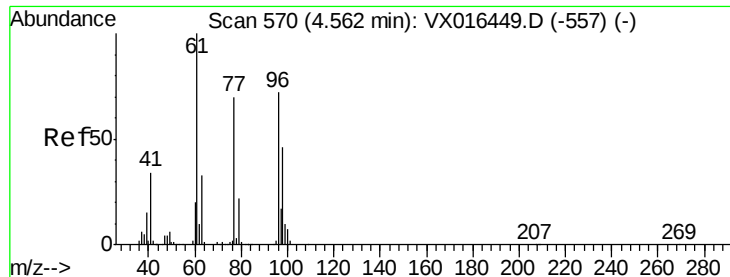
Tot Ion: 43 Resp: 1131
 Ion Ratio Lower Upper
 43 100
 72 34.5 21.0 31.6#



#26
 2,2-Dichloropropane
 Concen: 0.271 ug/l
 RT: 4.64 min Scan# 583
 Delta R.T. 0.09 min
 Lab File: VX016569.D
 Acq: 03 Jun 2020 16:20

Tgt Ion: 77 Resp: 1075
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.5 34.4#



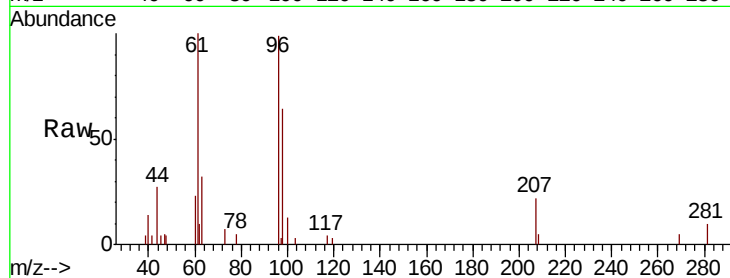


#27

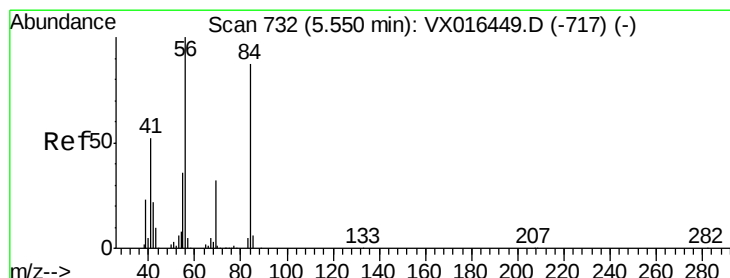
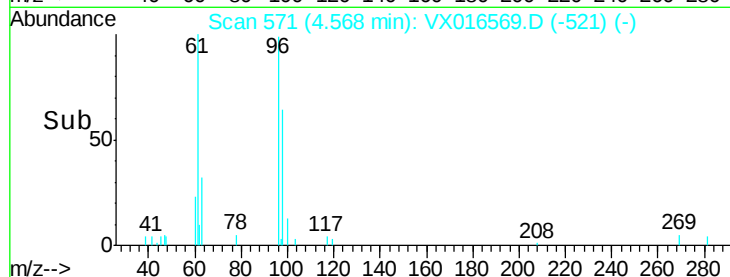
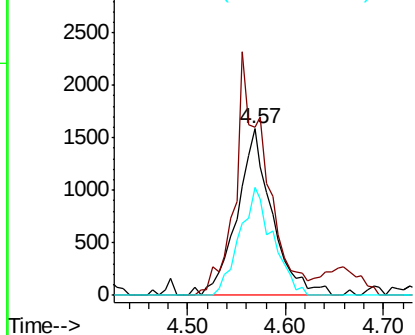
cis-1,2-Dichloroethene
 Concen: 1.269 ug/l
 RT: 4.57 min Scan# 571
 Delta R.T. 0.01 min
 Lab File: VX016569.D
 Acq: 03 Jun 2020 16:20

Instrument :
 MSVOA_X
 ClientSampleId :
 SP20-CHY08

Tot Ion: 96 Resp: 3940
 Ion Ratio Lower Upper
 96 100
 61 126.0 0.0 284.6
 98 61.3 0.0 127.2



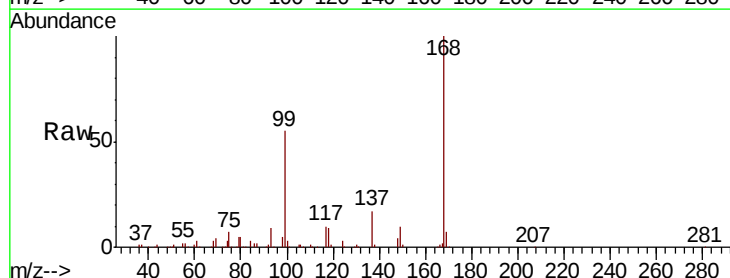
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



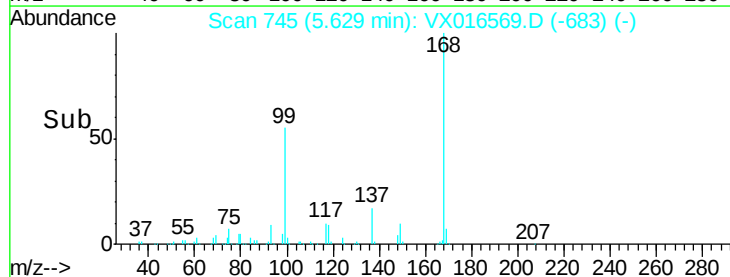
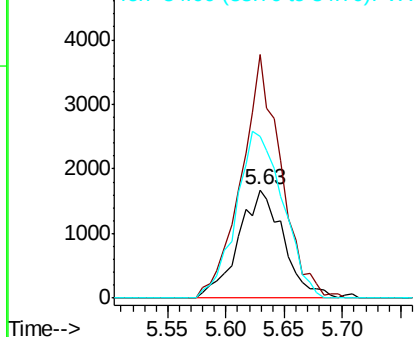
#31

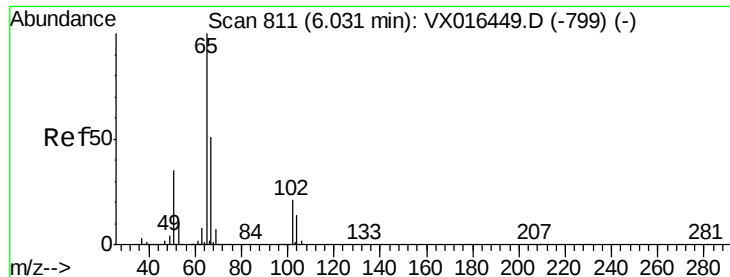
Cyclohexane
 Concen: 1.040 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. 0.08 min
 Lab File: VX016569.D
 Acq: 03 Jun 2020 16:20

Tgt Ion: 56 Resp: 4529
 Ion Ratio Lower Upper
 56 100
 69 224.8 25.7 38.5#
 84 149.4 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: 46.950 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.01 min

Lab File: VX016569.D

Acq: 03 Jun 2020 16:20

Instrument :

MSVOA_X

ClientSampleId :

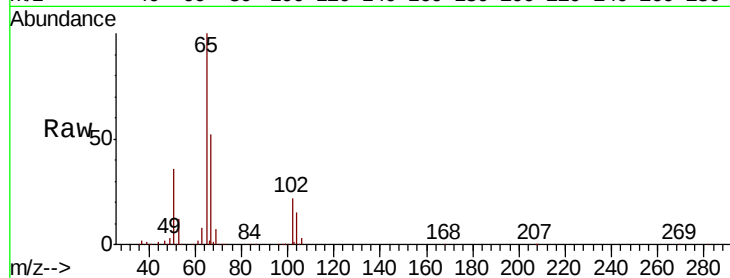
SP20-CHY08

Tot Ion: 65 Resp: 147068

Ion Ratio Lower Upper

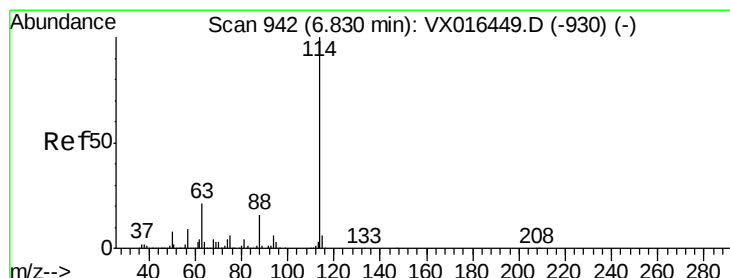
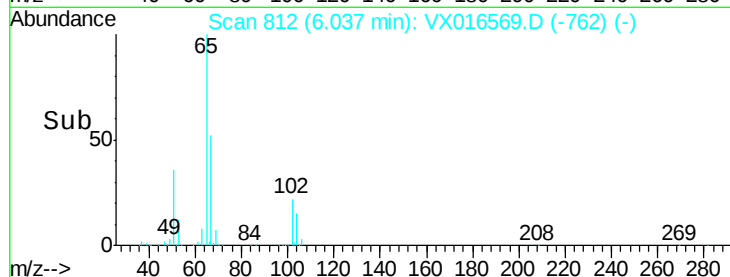
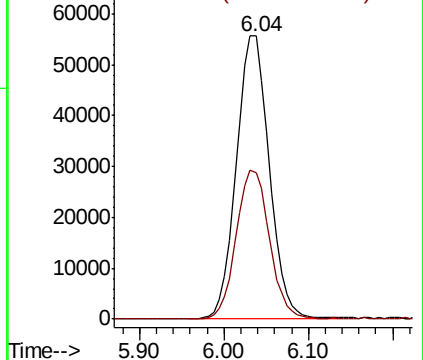
65 100

67 53.0 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: VX016569.D

Acq: 03 Jun 2020 16:20

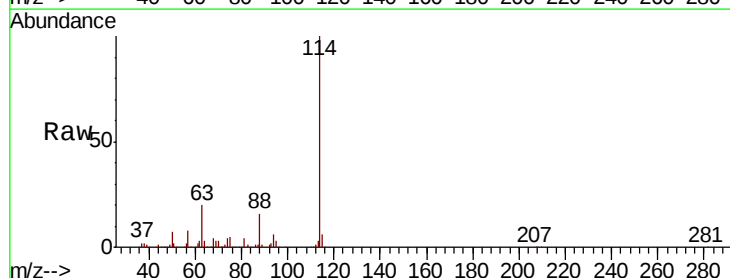
Tgt Ion: 114 Resp: 405454

Ion Ratio Lower Upper

114 100

63 19.5 0.0 42.6

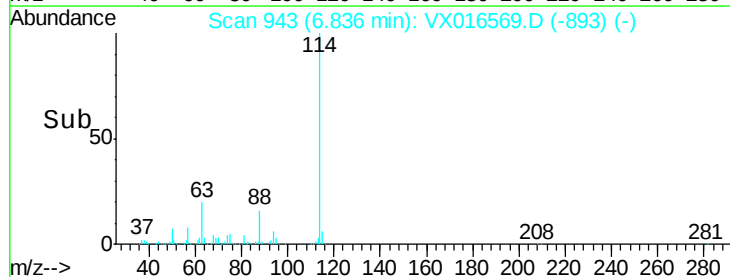
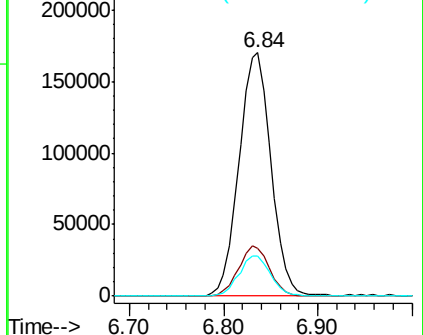
88 16.3 0.0 32.8

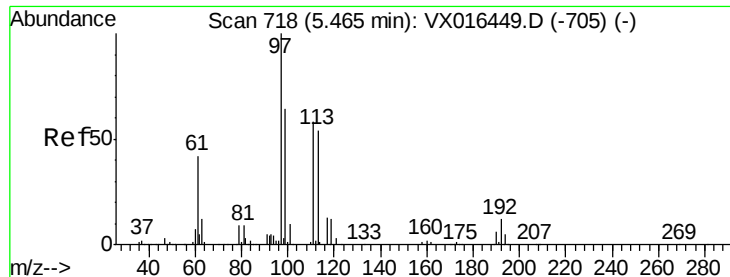


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 48.037 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX016569.D

Acq: 03 Jun 2020 16:20

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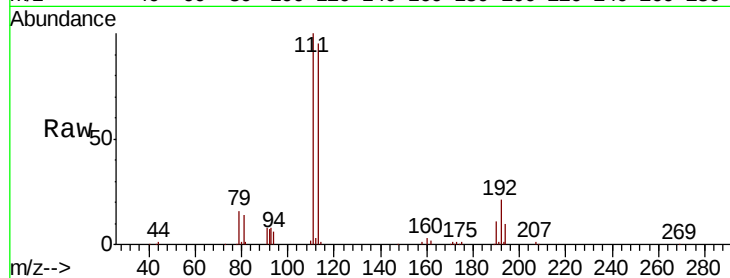
Tot Ion:113 Resp: 119928

Ion Ratio Lower Upper

113 100

111 103.1 83.0 124.6

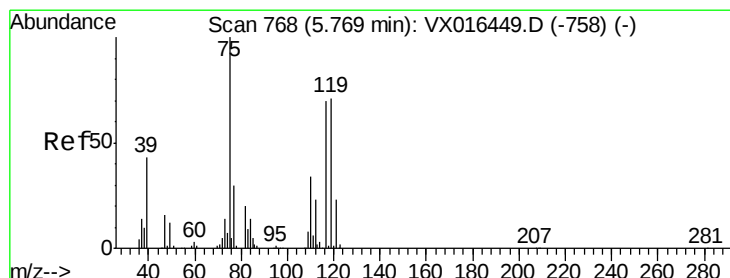
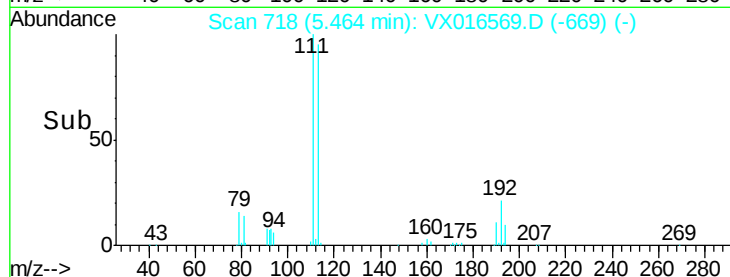
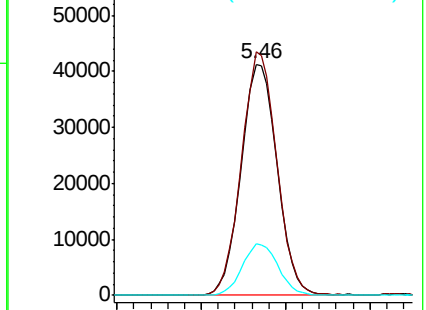
192 22.2 17.7 26.5



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: 4.648 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX016569.D

Acq: 03 Jun 2020 16:20

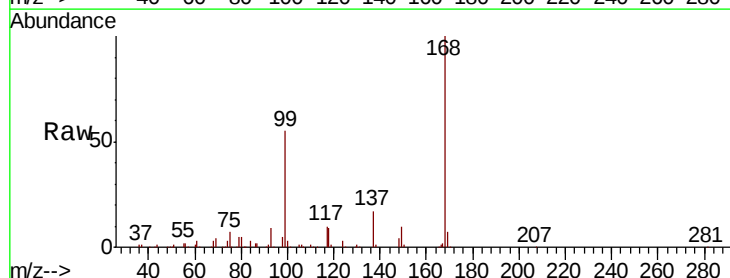
Tgt Ion: 75 Resp: 17845

Ion Ratio Lower Upper

75 100

110 9.2 17.4 52.3#

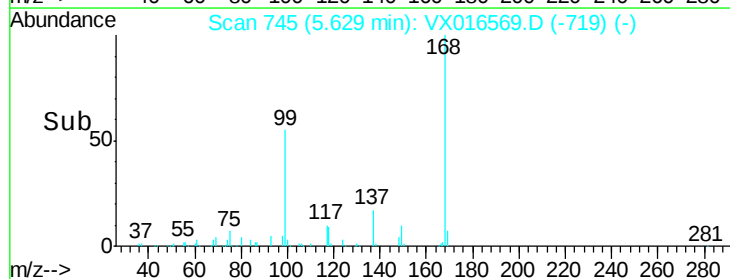
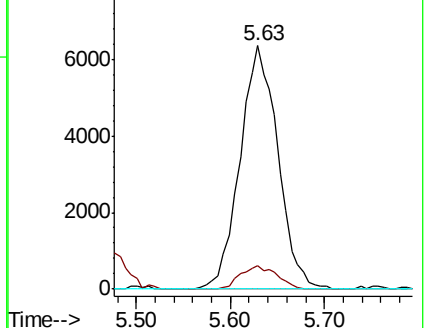
77 0.0 24.2 36.4#

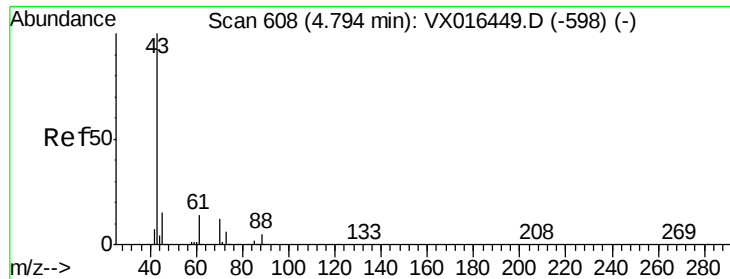


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

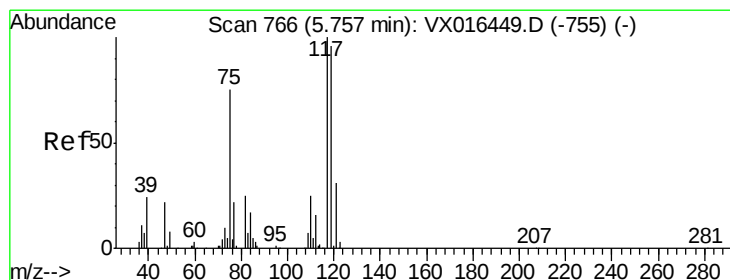
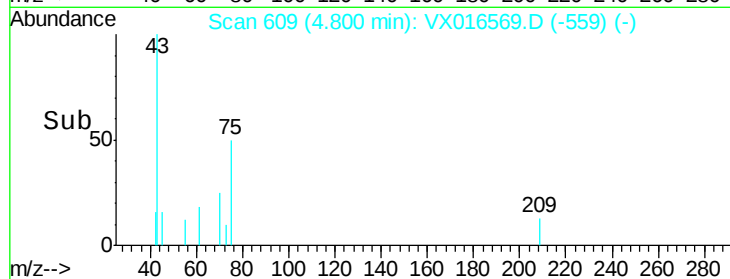
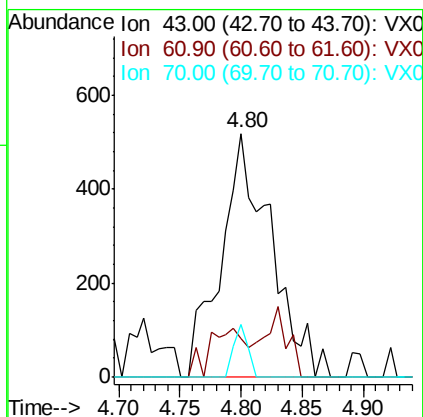
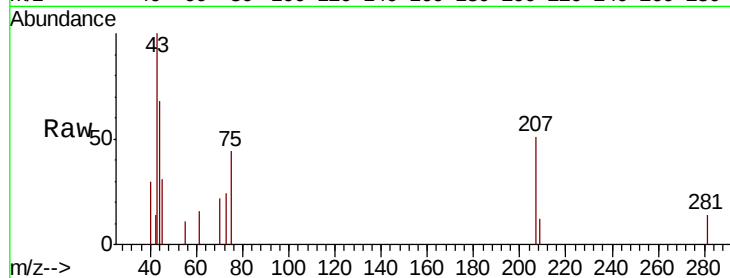




#37
Ethyl Acetate
Concen: 0.320 ug/l
RT: 4.80 min Scan# 609
Delta R.T. 0.01 min
Lab File: VX016569.D
Acq: 03 Jun 2020 16:20

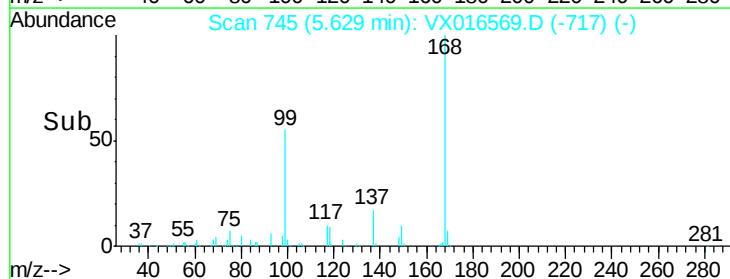
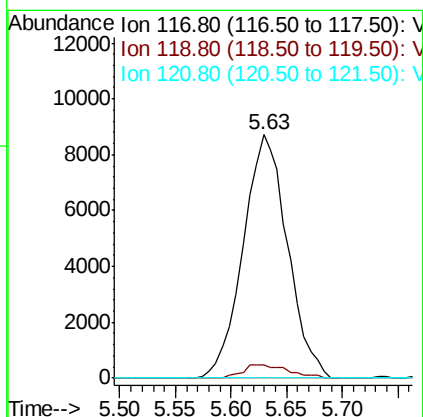
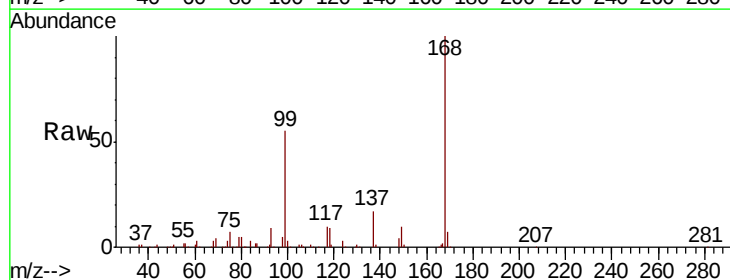
Instrument :
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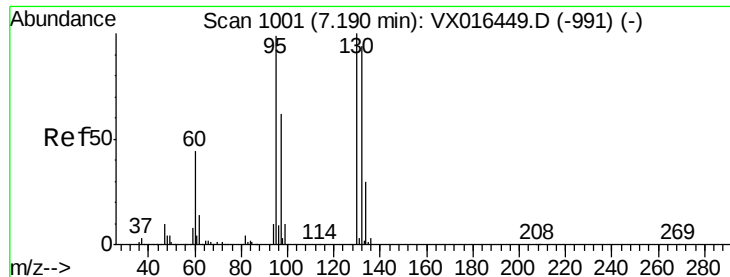
Tot Ion: 43 Resp: 1474
Ion Ratio Lower Upper
43 100
61 14.5 11.3 16.9
70 6.0 9.3 13.9#



#38
Carbon Tetrachloride
Concen: 5.983 ug/l
RT: 5.63 min Scan# 745
Delta R.T. -0.13 min
Lab File: VX016569.D
Acq: 03 Jun 2020 16:20

Tgt Ion: 117 Resp: 24135
Ion Ratio Lower Upper
117 100
119 5.3 76.3 114.5#
121 0.0 24.6 37.0#





#44

Trichloroethene

Concen: 3.855 ug/l

RT: 7.18 min Scan# 1000

Delta R.T. -0.01 min

Lab File: VX016569.D

Acq: 03 Jun 2020 16:20

Instrument :

MSVOA_X

ClientSampleId :

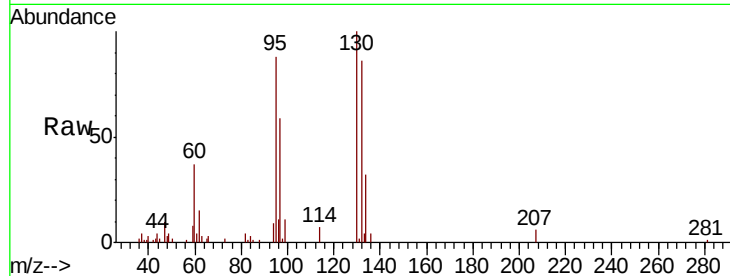
SP20-CHY08

Tot Ion:130 Resp: 13981

Ion Ratio Lower Upper

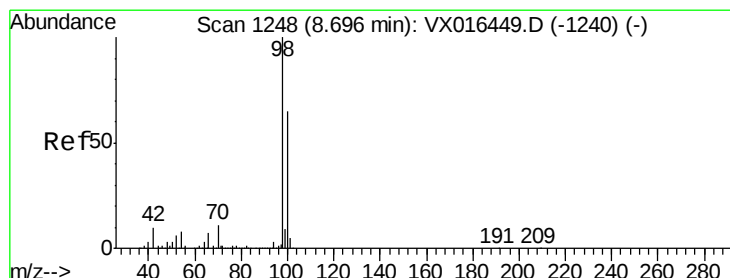
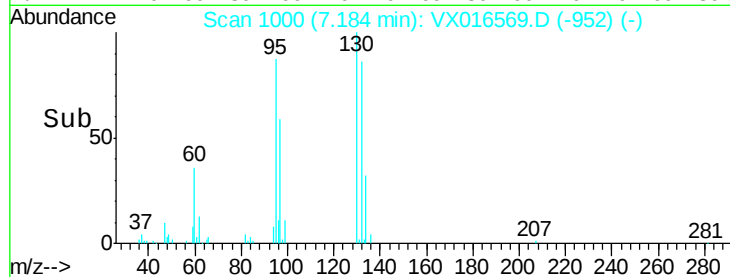
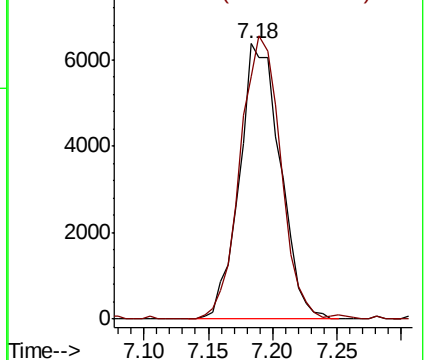
130 100

95 87.8 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: 51.764 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016569.D

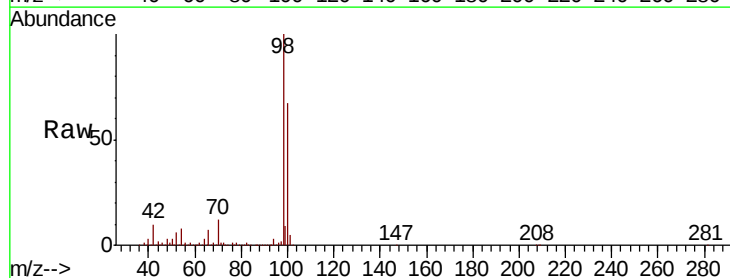
Acq: 03 Jun 2020 16:20

Tgt Ion: 98 Resp: 502999

Ion Ratio Lower Upper

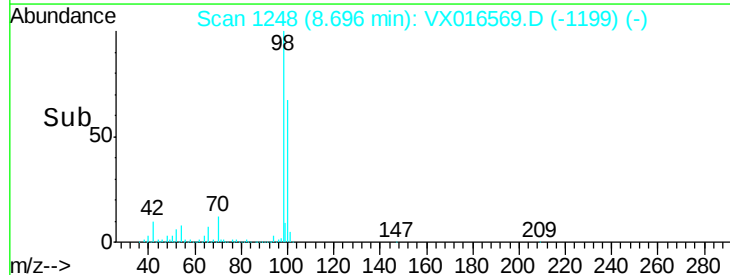
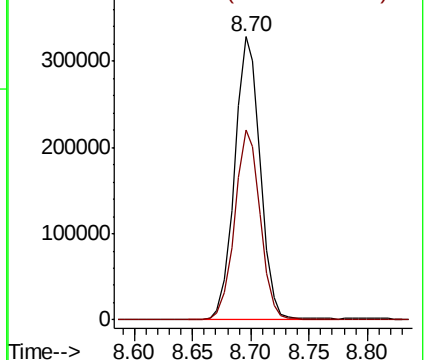
98 100

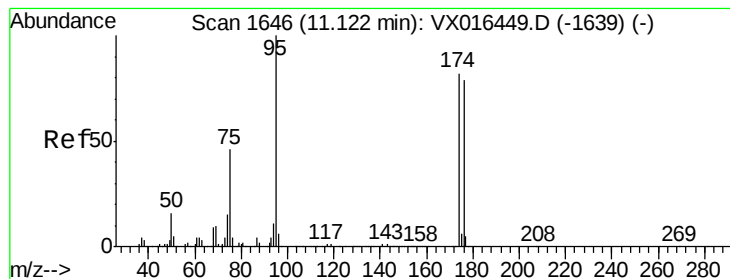
100 66.7 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 55.169 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016569.D

Acq: 03 Jun 2020 16:20

Instrument :

MSVOA_X

ClientSampleId :

SP20-CHY08

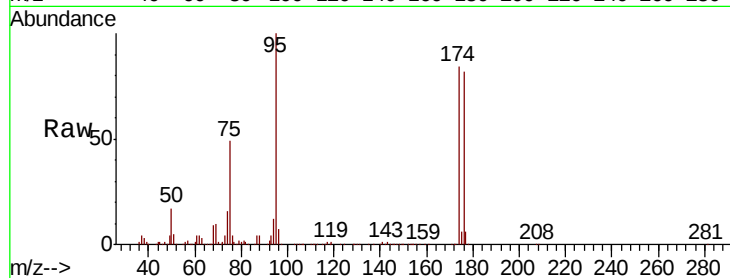
Tot Ion: 95 Resp: 207142

Ion Ratio Lower Upper

95 100

174 82.7 0.0 163.0

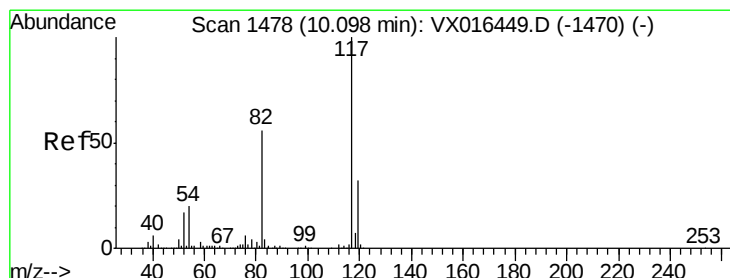
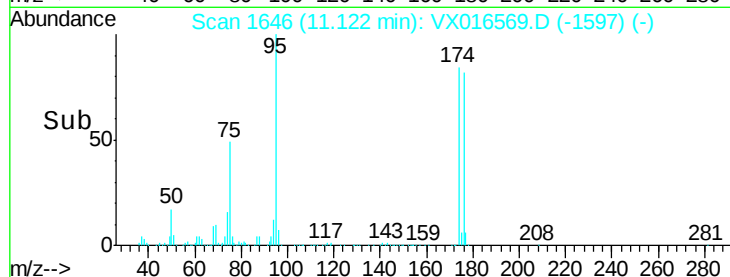
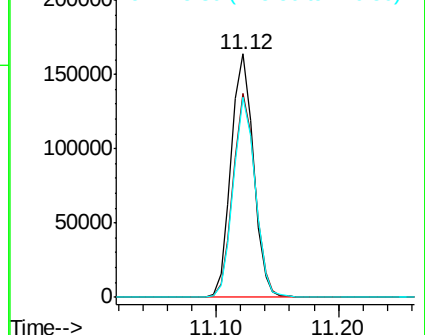
176 80.6 0.0 156.8



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: VX016569.D

Acq: 03 Jun 2020 16:20

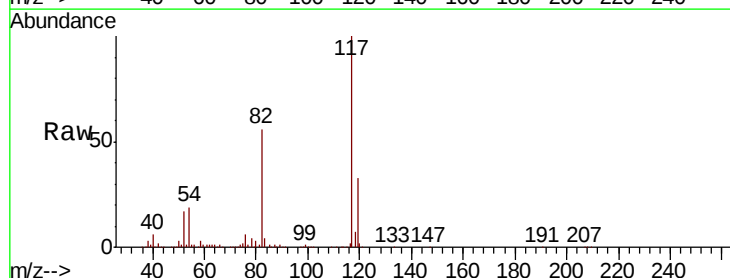
Tgt Ion: 117 Resp: 410872

Ion Ratio Lower Upper

117 100

82 55.8 45.0 67.6

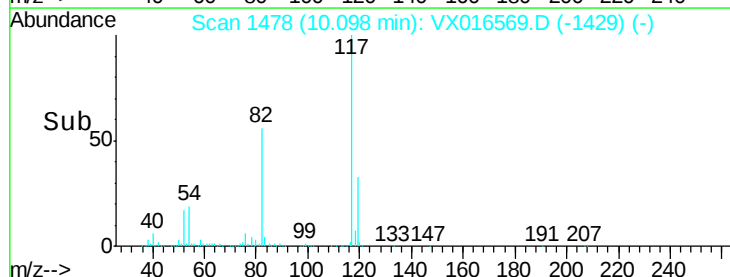
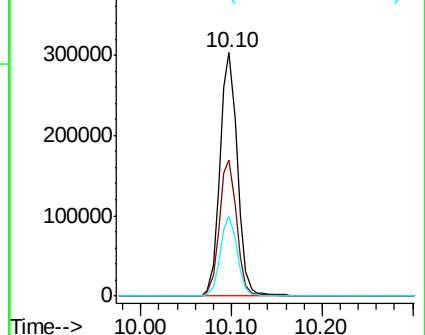
119 32.5 25.8 38.8

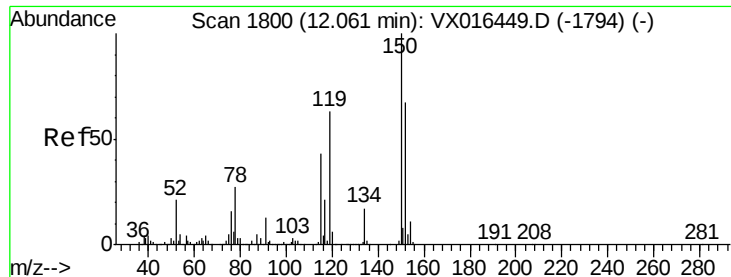


Abundance Ion 116.90 (116.60 to 117.60): V

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: VX016569.D

Acq: 03 Jun 2020 16:20

Instrument :

MSVOA_X

ClientSampleId :

SP20-CHY08

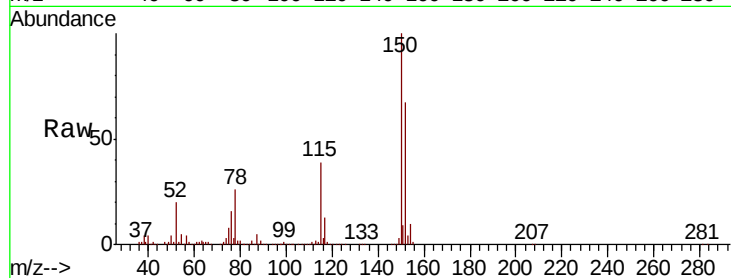
Tot Ion:152 Resp: 219210

Ion Ratio Lower Upper

152 100

115 58.1 39.9 119.6

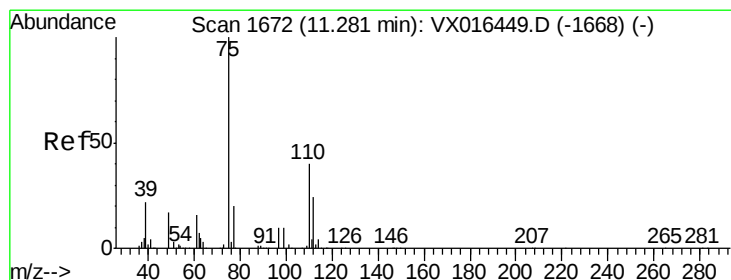
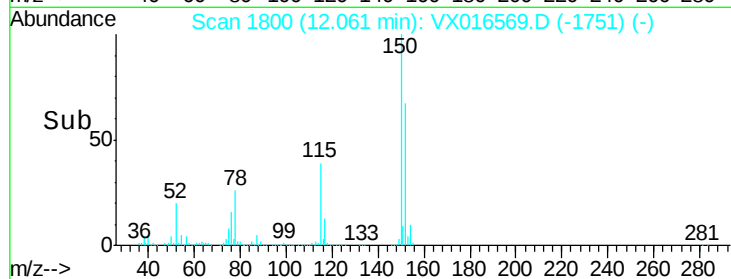
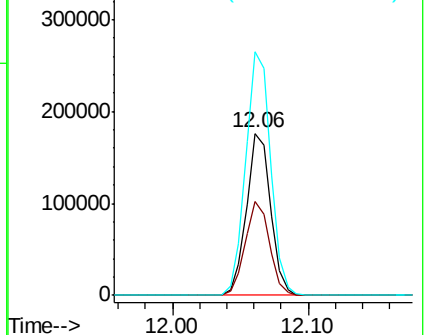
150 155.1 0.0 341.0



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: 21.044 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016569.D

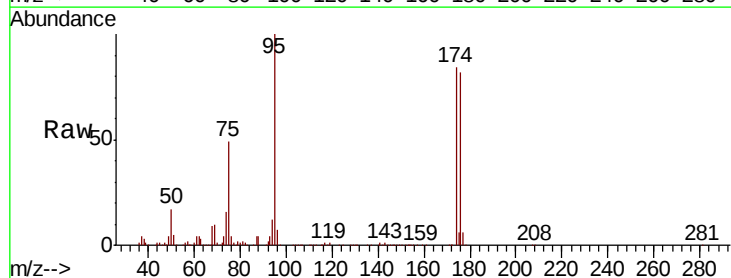
Acq: 03 Jun 2020 16:20

Tgt Ion: 75 Resp: 101395

Ion Ratio Lower Upper

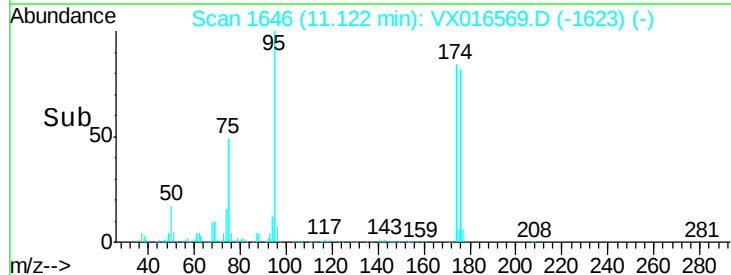
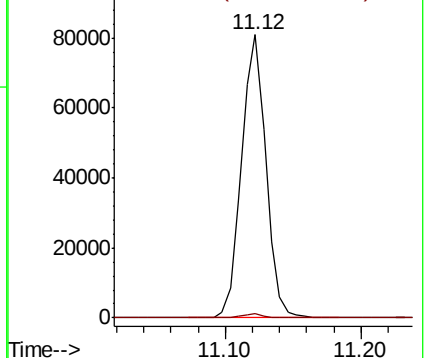
75 100

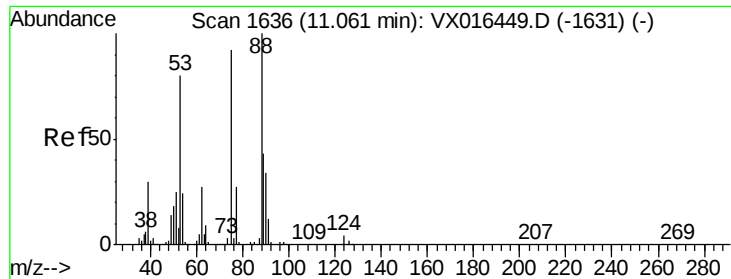
77 1.3 21.3 63.7#



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: 51.764 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.06 min
 Lab File: VX016569.D
 Acq: 03 Jun 2020 16:20

Instrument :
 MSVOA_X
 ClientSampleId :
 SP20-CHY08

Tot Ion: 75 Resp: 101395
 Ion Ratio Lower Upper
 75 100
 53 0.0 71.3 106.9#
 89 0.0 36.6 55.0#

