

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052220\
 Data File : VX016414.D
 Acq On : 22 May 2020 15:59
 Operator : JC/SP
 Sample : L2743-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 23 02:45:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 06 06:43:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	215127	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	348942	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	352560	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	175874	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	123277	43.55	ug/l	0.00
Spiked Amount			Recovery	=	87.10%	
35) Dibromofluoromethane	5.47	113	104593	47.31	ug/l	0.00
Spiked Amount			Recovery	=	94.62%	
50) Toluene-d8	8.70	98	432136	50.73	ug/l	0.00
Spiked Amount			Recovery	=	101.46%	
62) 4-Bromofluorobenzene	11.12	95	172926	53.38	ug/l	0.00
Spiked Amount			Recovery	=	106.76%	

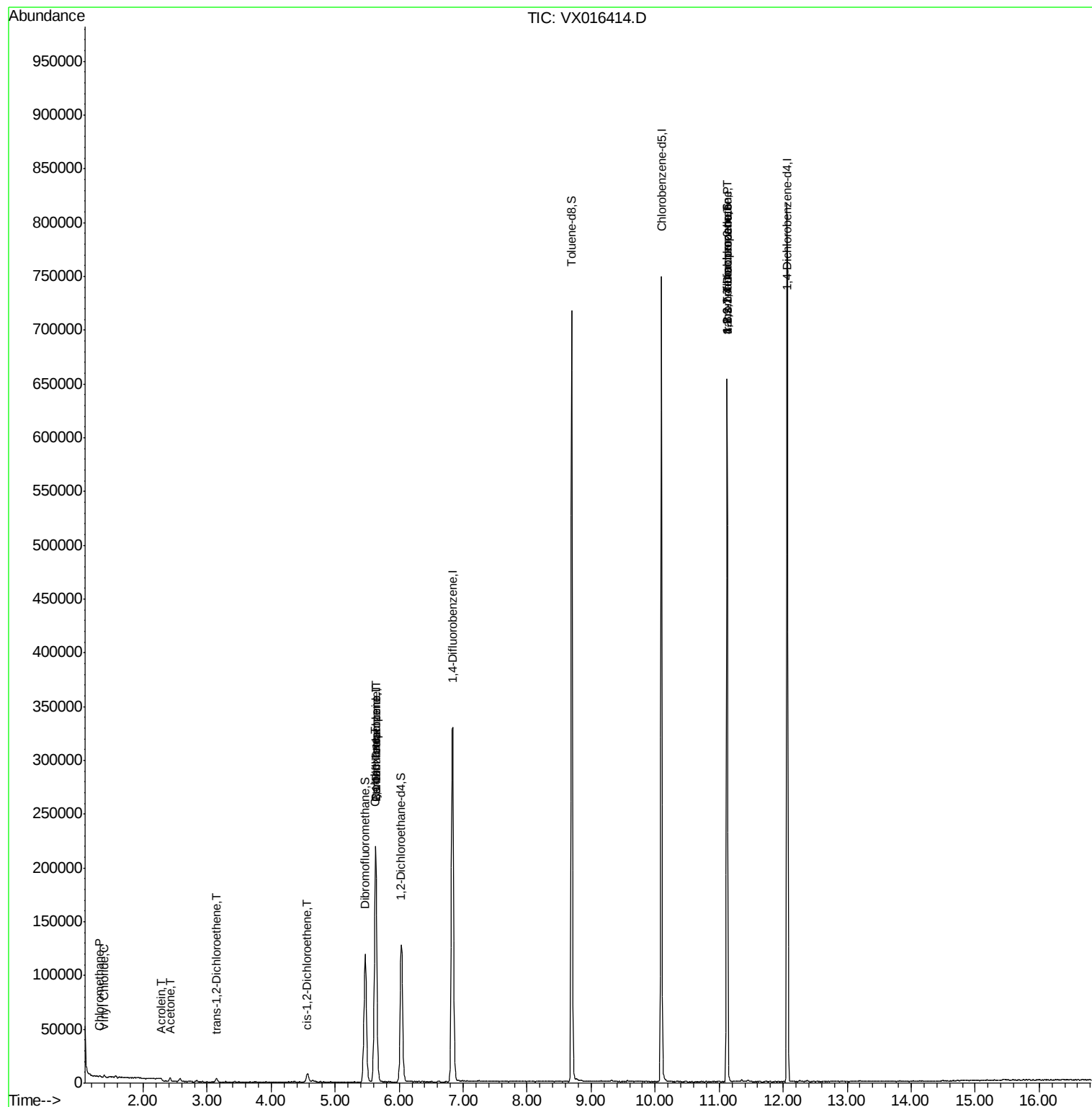
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	1024	0.387	ug/l #	86
4) Vinyl Chloride	1.39	62	1009	0.358	ug/l	96
13) Acrolein	2.28	56	179	0.400	ug/l #	1
16) Acetone	2.42	43	3254	2.576	ug/l	99
17) Carbon Disulfide	2.56	76	799	Below Cal	#	72
21) trans-1,2-Dichloroethene	3.14	96	1525	0.612	ug/l #	81
27) cis-1,2-Dichloroethene	4.57	96	5353	1.965	ug/l	83
31) Cyclohexane	5.62	56	3614	0.919	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	14711	4.283	ug/l #	50
38) Carbon Tetrachloride	5.64	117	19885	5.696	ug/l #	15
75) 1,1,2,2-Tetrachloroethane	11.12	83	161	2.116	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	82290	20.619	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	82290	49.137	ug/l #	13

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

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Quant Title : SW846 8260
QLast Update : Wed May 06 06:43:32 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.00 min

Lab File: VX016414.D

Acq: 22 May 2020 15:59

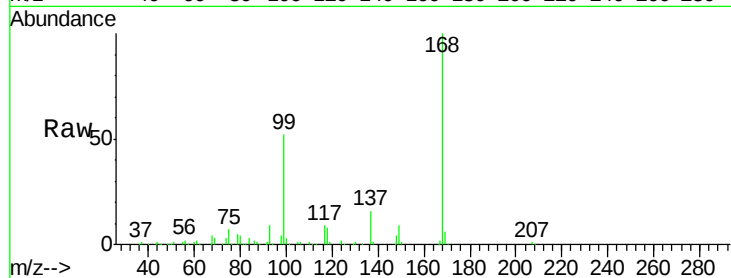
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:168 Resp: 215127

Ion Ratio Lower Upper

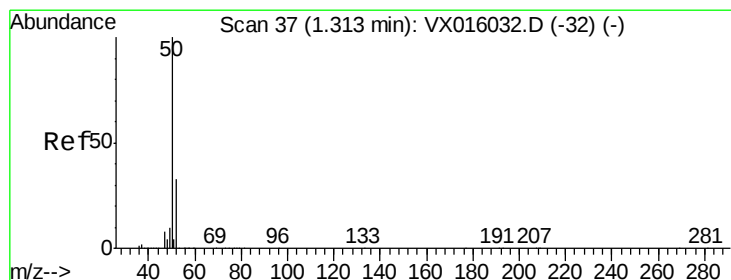
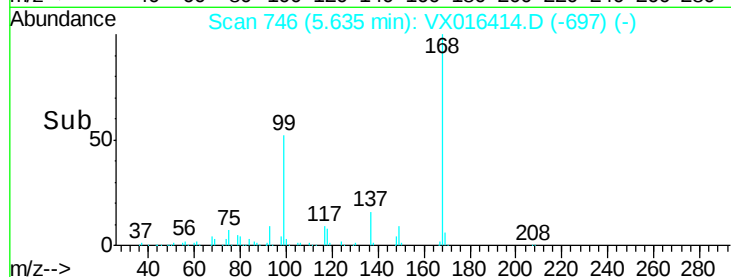
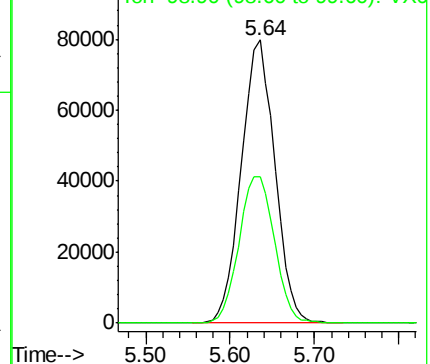
168 100

99 51.9 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.387 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX016414.D

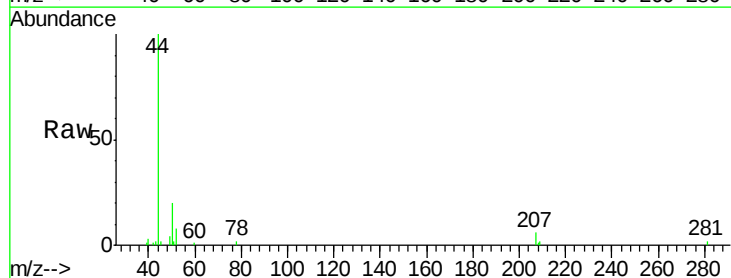
Acq: 22 May 2020 15:59

Tgt Ion: 50 Resp: 1024

Ion Ratio Lower Upper

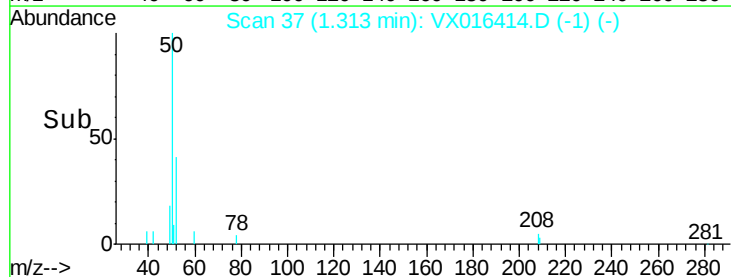
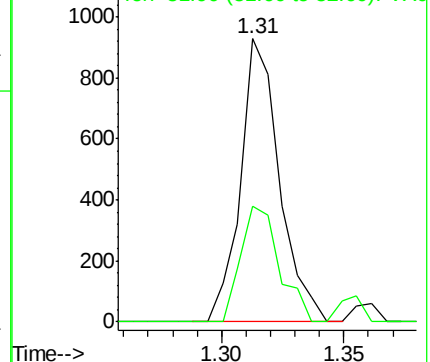
50 100

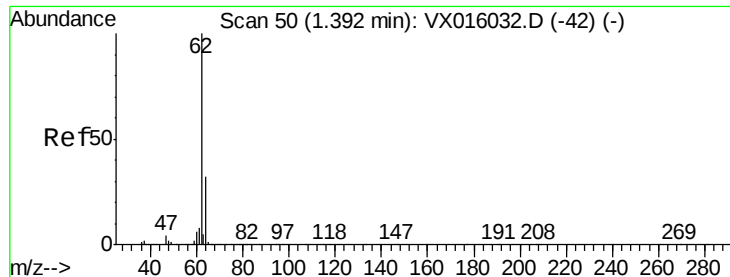
52 40.7 26.1 39.1#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#4

Vinyl Chloride

Concen: 0.358 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX016414.D

Acq: 22 May 2020 15:59

Instrument :

MSVOA_X

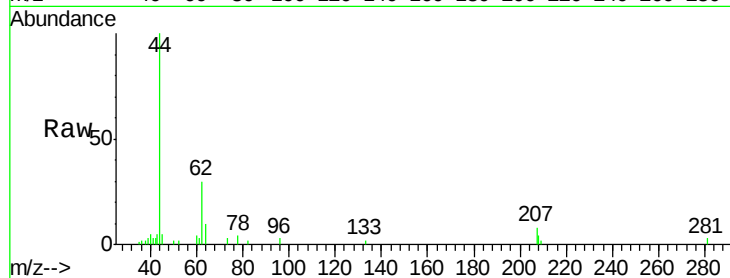
ClientSampled :

Tot Ion: 62 Resp: 1009

Ion Ratio Lower Upper

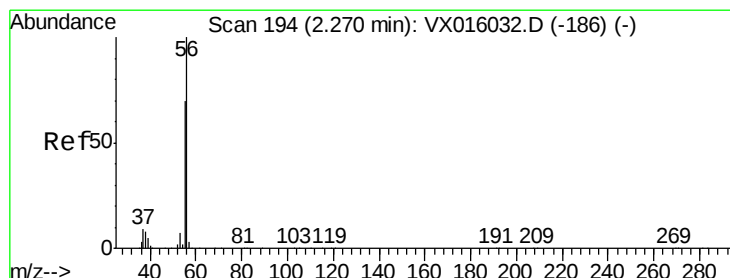
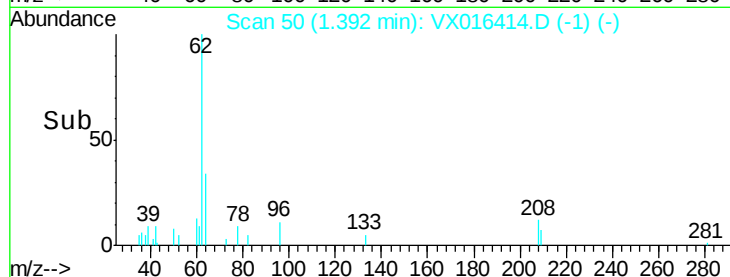
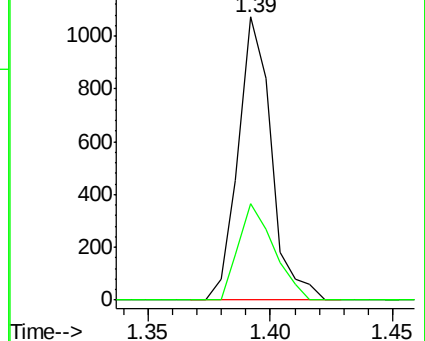
62 100

64 34.1 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



#13

Acrolein

Concen: 0.400 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.01 min

Lab File: VX016414.D

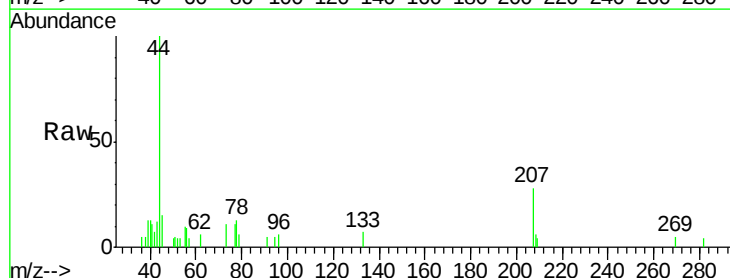
Acq: 22 May 2020 15:59

Tgt Ion: 56 Resp: 179

Ion Ratio Lower Upper

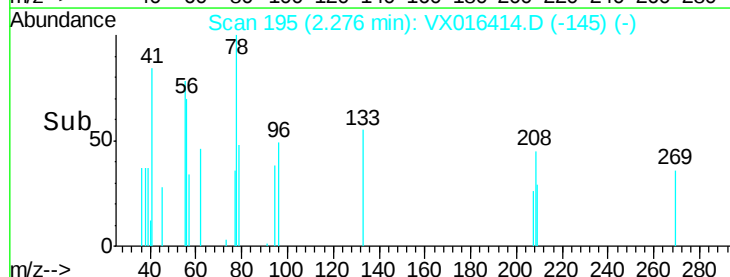
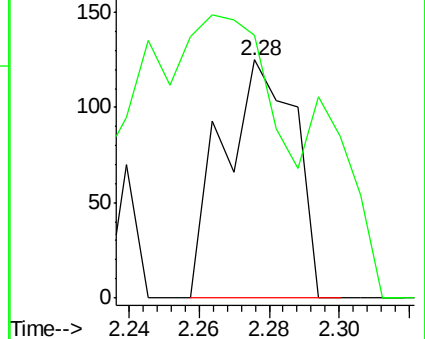
56 100

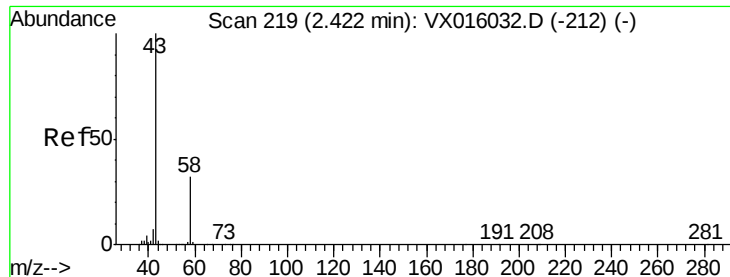
55 155.9 56.5 84.7#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

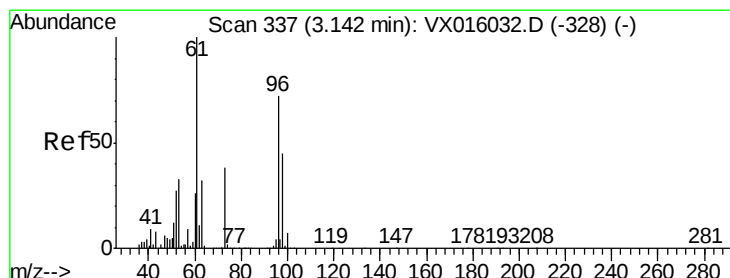
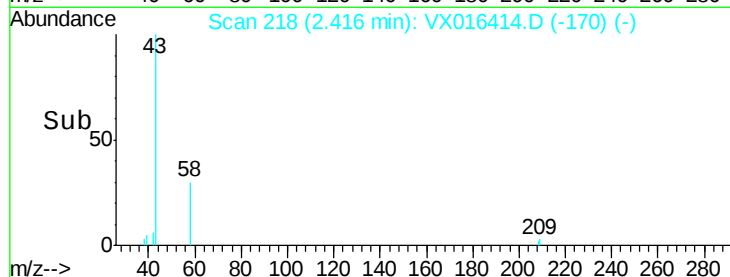
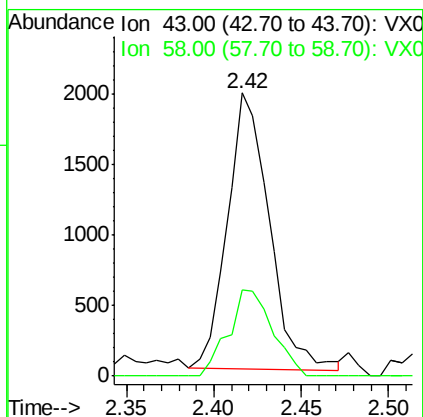
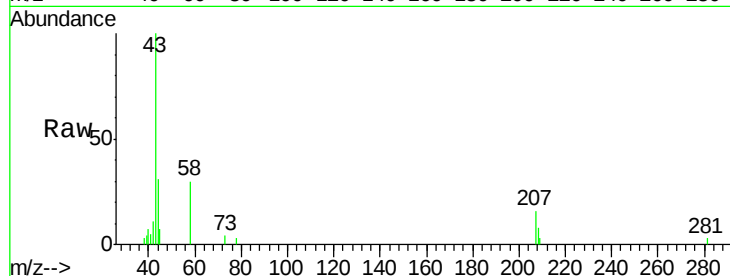




#16
Acetone
Concen: 2.576 ug/l
RT: 2.42 min Scan# 218
Delta R.T. -0.01 min
Lab File: VX016414.D
Acq: 22 May 2020 15:59

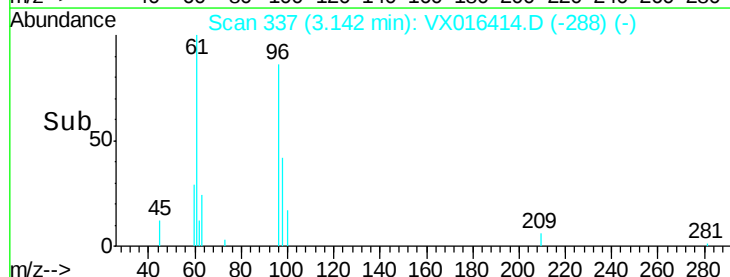
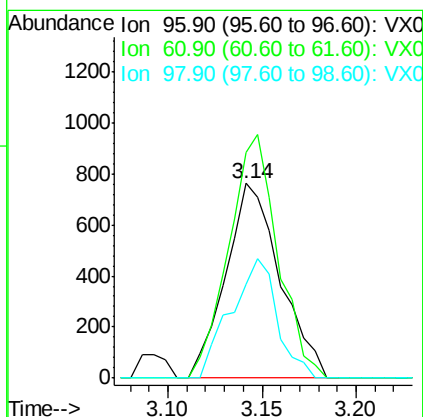
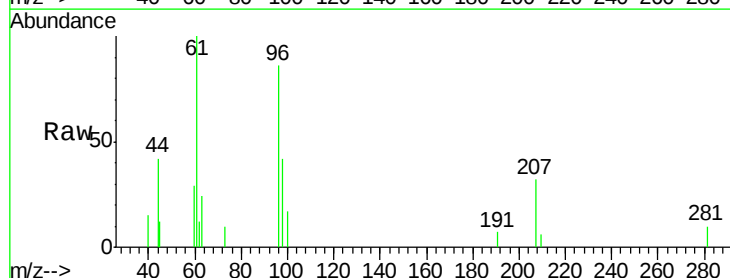
Instrument :
MSVOA_X
ClientSampleId :

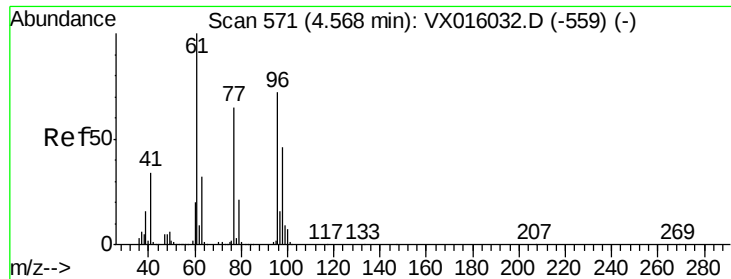
Tot Ion: 43 Resp: 3254
Ion Ratio Lower Upper
43 100
58 31.4 25.4 38.0



#21
trans-1,2-Dichloroethene
Concen: 0.612 ug/l
RT: 3.14 min Scan# 337
Delta R.T. -0.00 min
Lab File: VX016414.D
Acq: 22 May 2020 15:59

Tgt Ion: 96 Resp: 1525
Ion Ratio Lower Upper
96 100
61 115.7 111.2 166.8
98 48.5 50.2 75.4#



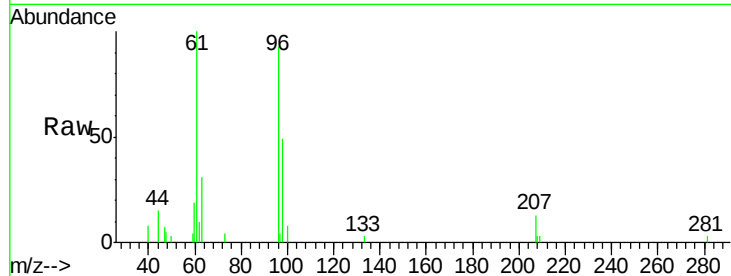


#27

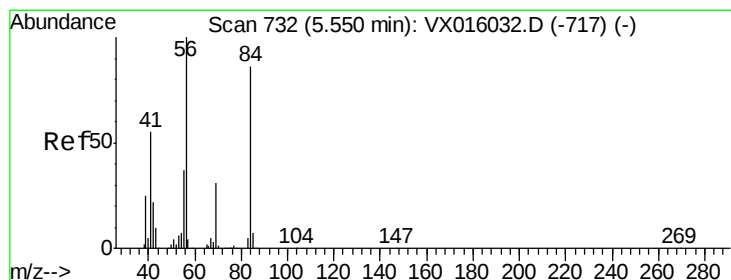
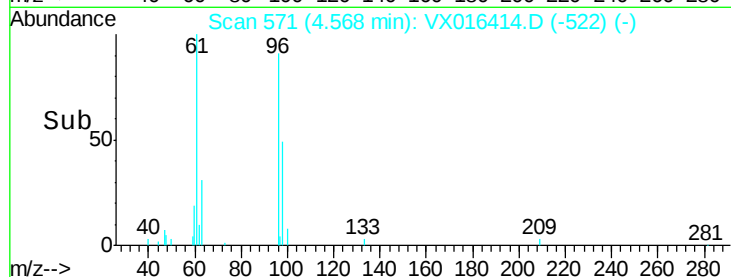
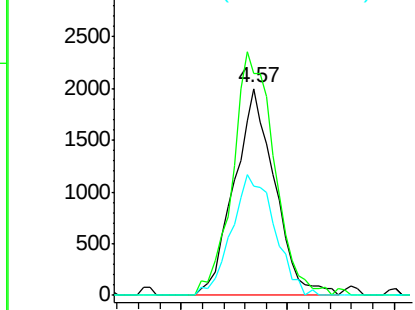
cis-1,2-Dichloroethene
Concen: 1.965 ug/l
RT: 4.57 min Scan# 571
Delta R.T. -0.00 min
Lab File: VX016414.D
Acq: 22 May 2020 15:59

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
96	100		
61	119.9	0.0	296.2
98	61.6	0.0	129.4



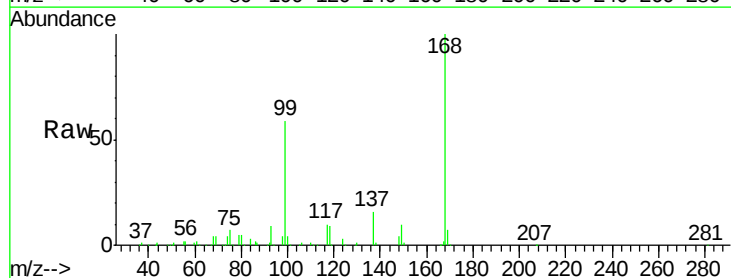
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



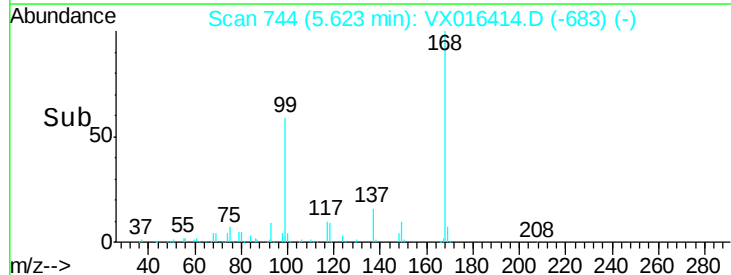
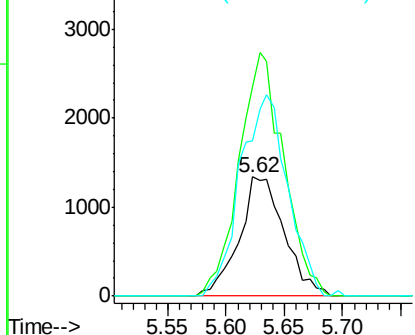
#31

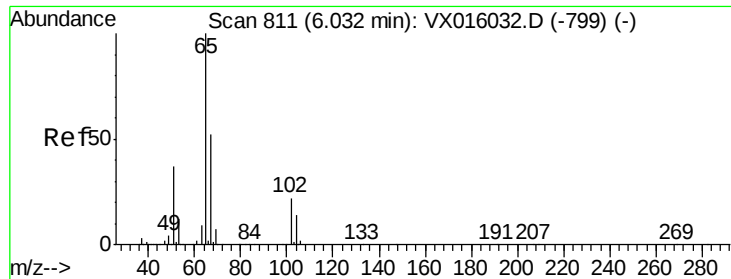
Cyclohexane
Concen: 0.919 ug/l
RT: 5.62 min Scan# 744
Delta R.T. 0.07 min
Lab File: VX016414.D
Acq: 22 May 2020 15:59

Tgt Ion	Ratio	Lower	Upper
56	100		
69	175.4	25.0	37.6#
84	130.7	69.0	103.6#



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: 43.548 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX016414.D

Acq: 22 May 2020 15:59

Instrument :

MSVOA_X

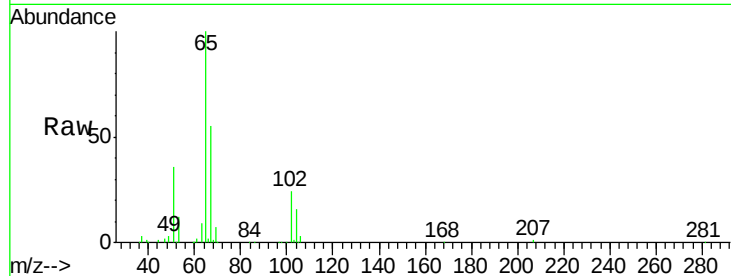
ClientSampleId :

Tot Ion: 65 Resp: 123277

Ion Ratio Lower Upper

65 100

67 53.5 0.0 104.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.03

50000

40000

30000

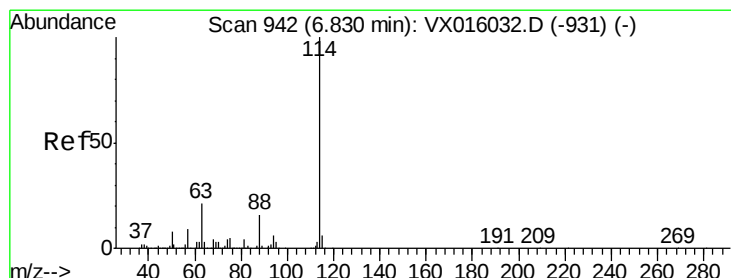
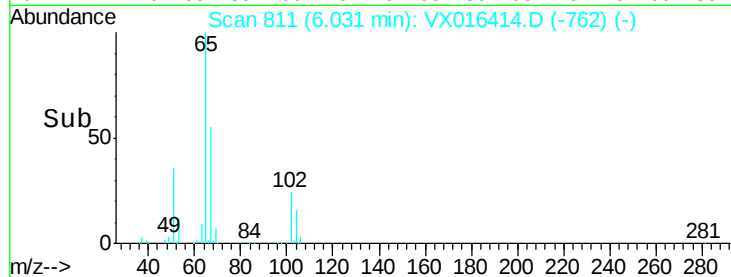
20000

10000

0

Time-->

5.90 6.00 6.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX016414.D

Acq: 22 May 2020 15:59

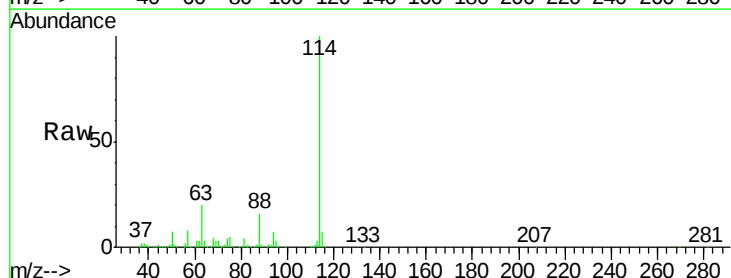
Tgt Ion: 114 Resp: 348942

Ion Ratio Lower Upper

114 100

63 19.6 0.0 42.8

88 15.7 0.0 31.4



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

200000

150000

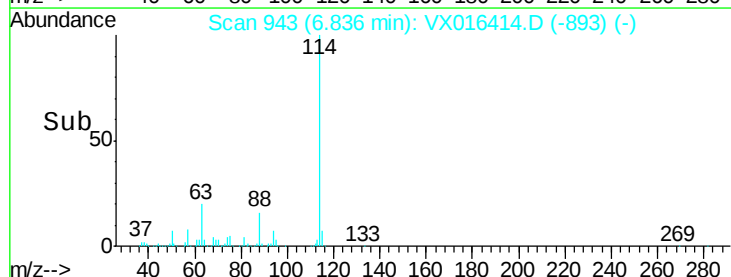
100000

50000

0

Time-->

6.70 6.80 6.90 7.00

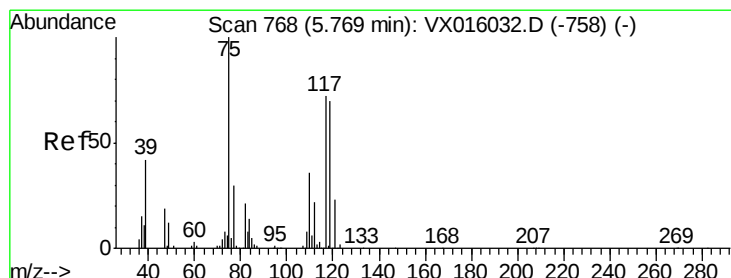
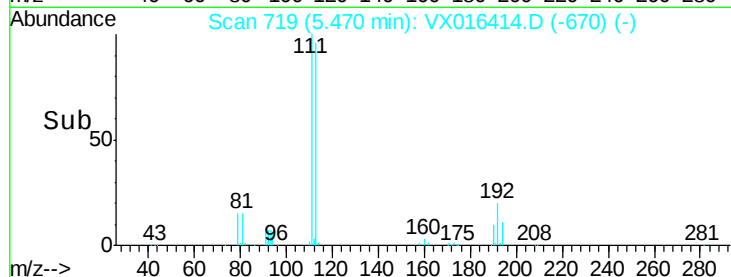
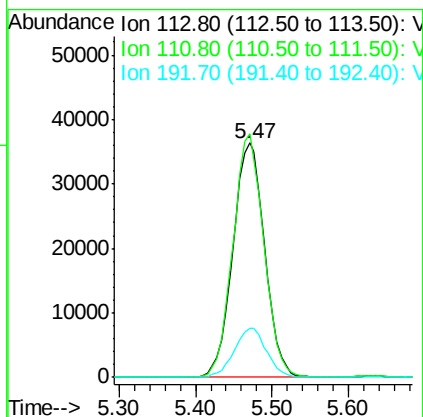
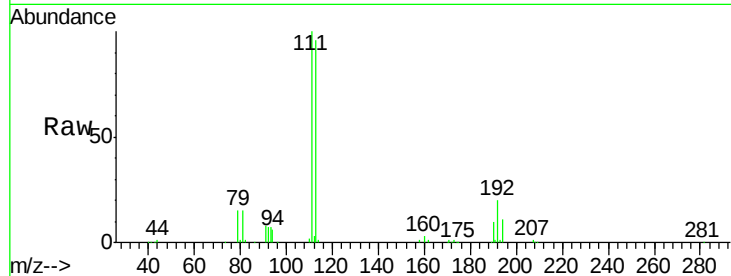




#35
 Dibromofluoromethane
 Concen: 47.312 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. -0.00 min
 Lab File: VX016414.D
 Acq: 22 May 2020 15:59

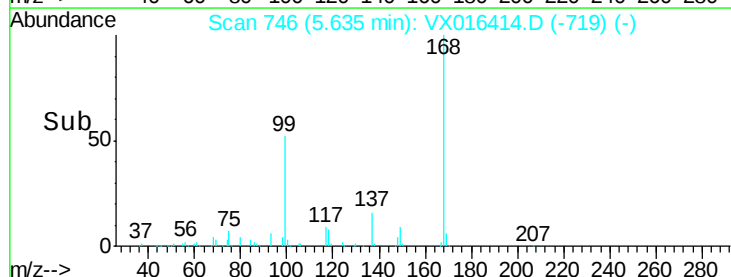
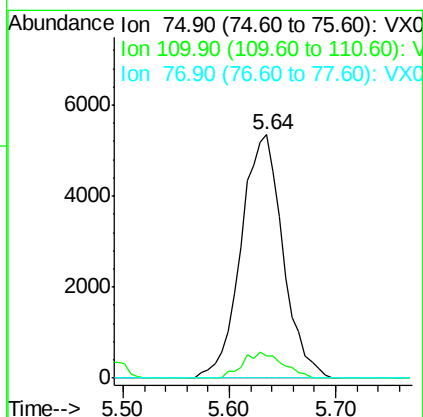
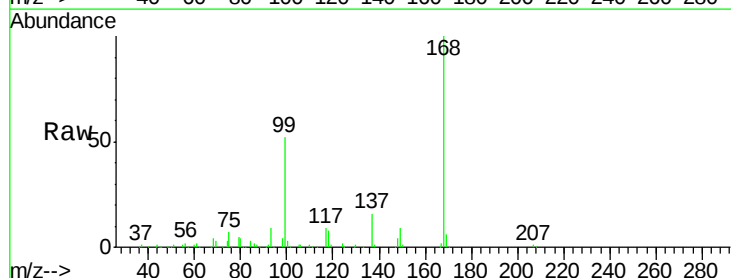
Instrument :
 MSVOA_X
 ClientSampleId :

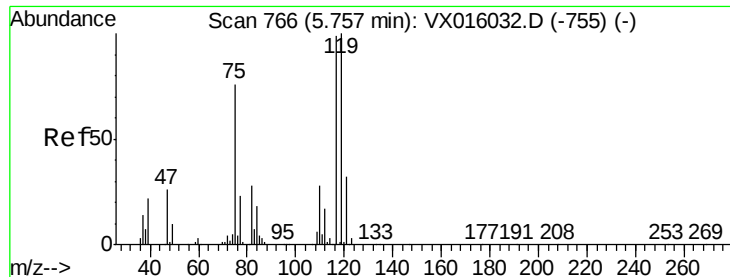
Tot Ion	Ratio	Lower	Upper
113	100		
111	100.9	81.6	122.4
192	21.2	17.0	25.4



#36
 1,1-Dichloropropene
 Concen: 4.283 ug/l
 RT: 5.64 min Scan# 746
 Delta R.T. -0.13 min
 Lab File: VX016414.D
 Acq: 22 May 2020 15:59

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.2	18.1	54.1#
77	0.0	25.0	37.6#





#38

Carbon Tetrachloride

Concen: 5.696 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX016414.D

Acq: 22 May 2020 15:59

Instrument :

MSVOA_X

ClientSampleId :

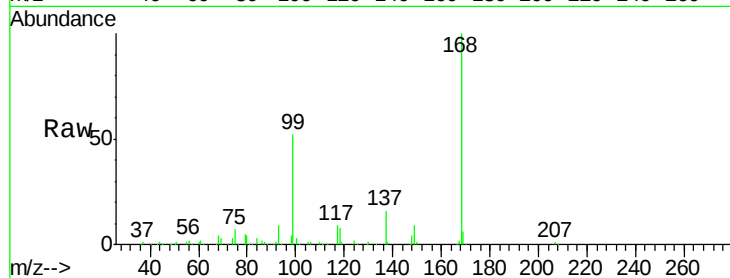
Tot Ion:117 Resp: 19885

Ion Ratio Lower Upper

117 100

119 5.8 80.3 120.5#

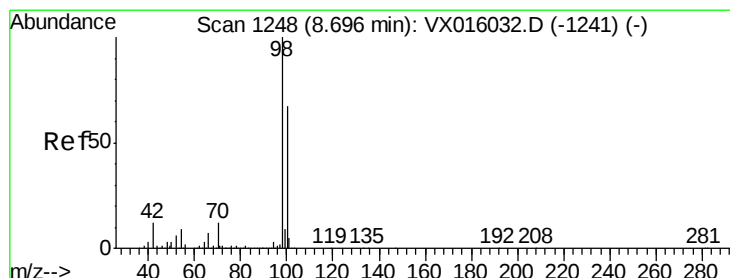
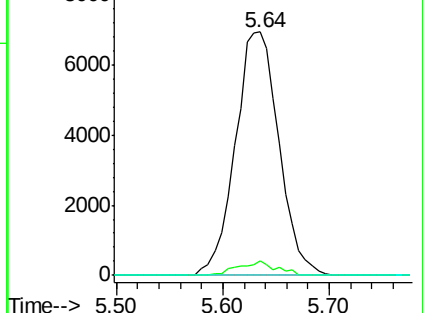
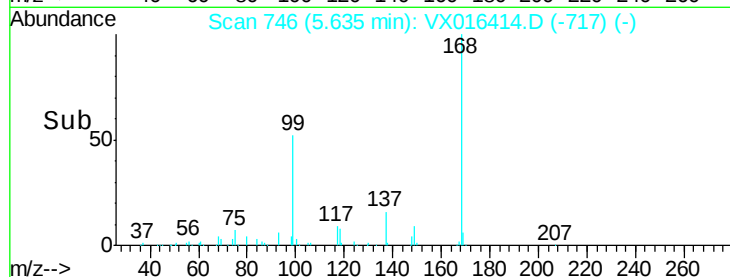
121 0.0 25.7 38.5#



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



#50

Toluene-d8

Concen: 50.732 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016414.D

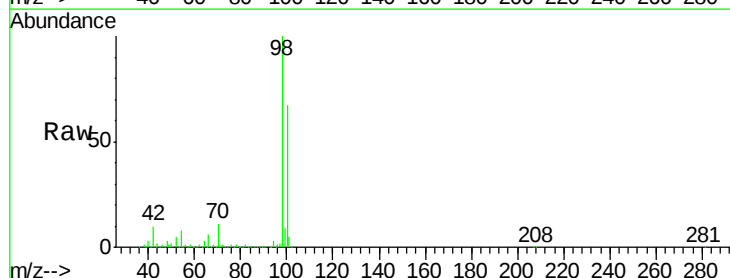
Acq: 22 May 2020 15:59

Tgt Ion: 98 Resp: 432136

Ion Ratio Lower Upper

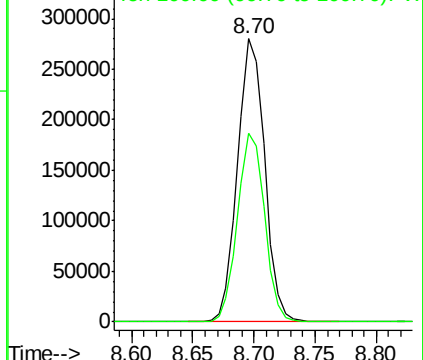
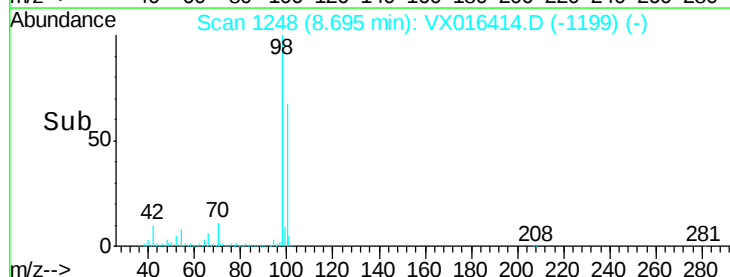
98 100

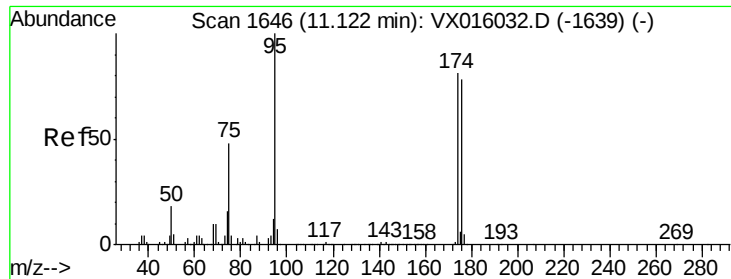
100 66.8 53.7 80.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 53.375 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016414.D

Acq: 22 May 2020 15:59

Instrument :

MSVOA_X

ClientSampleId :

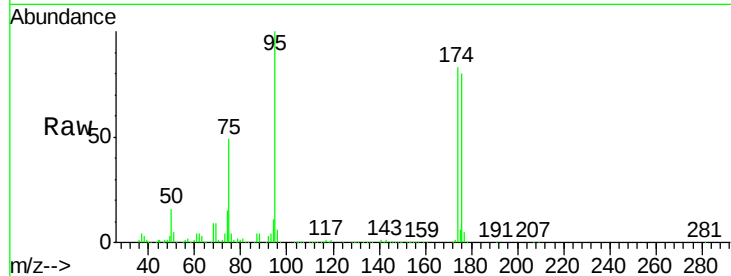
Tot Ion: 95 Resp: 172926

Ion Ratio Lower Upper

95 100

174 83.0 0.0 159.4

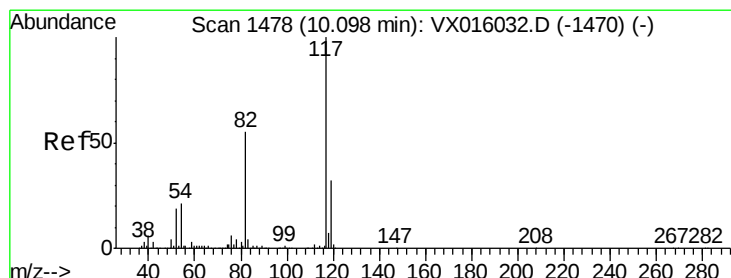
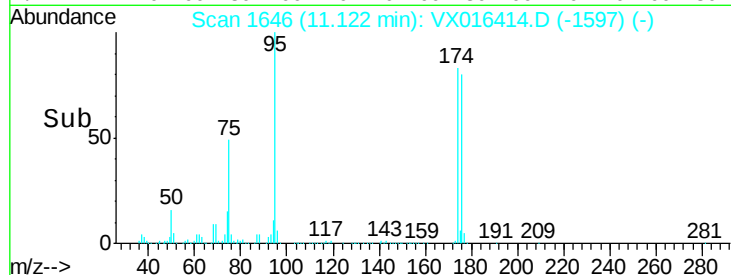
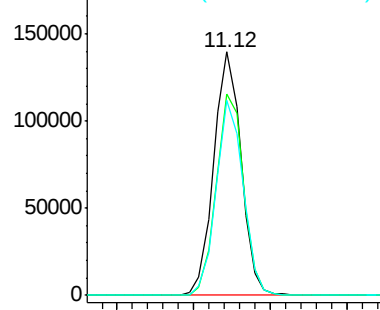
176 79.3 0.0 157.6



Abundance Ion 94.90 (94.60 to 95.60): VX016032.D (-1639) (-)

Ion 173.80 (173.50 to 174.50): VX016032.D (-1639) (-)

Ion 175.80 (175.50 to 176.50): VX016032.D (-1639) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX016414.D

Acq: 22 May 2020 15:59

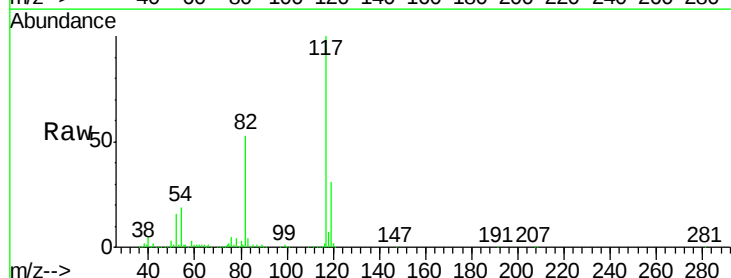
Tgt Ion: 117 Resp: 352560

Ion Ratio Lower Upper

117 100

82 53.1 44.4 66.6

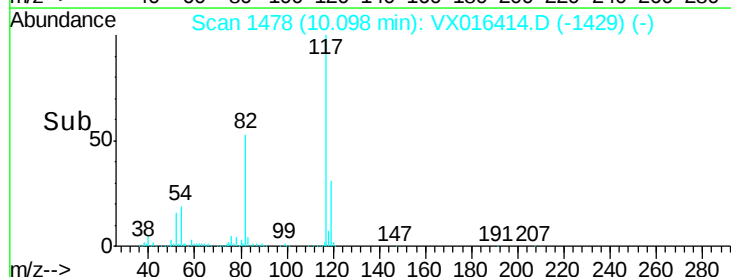
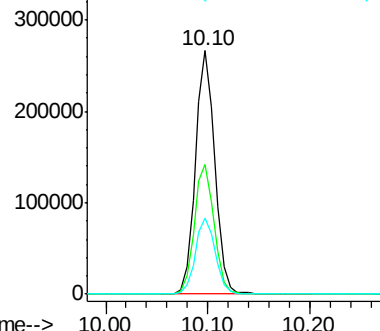
119 31.1 25.5 38.3

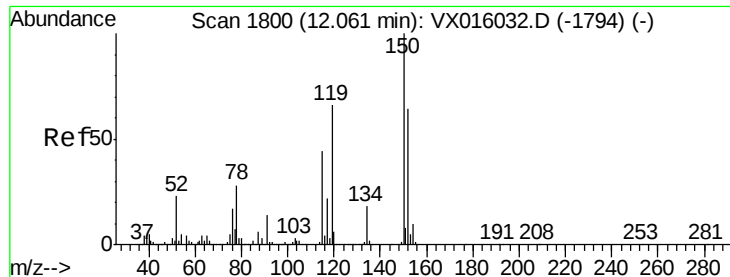


Abundance Ion 116.90 (116.60 to 117.60): VX016032.D (-1470) (-)

Ion 82.00 (81.70 to 82.70): VX016032.D (-1470) (-)

Ion 118.90 (118.60 to 119.60): VX016032.D (-1470) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016414.D

Acq: 22 May 2020 15:59

Instrument :

MSVOA_X

ClientSampleId :

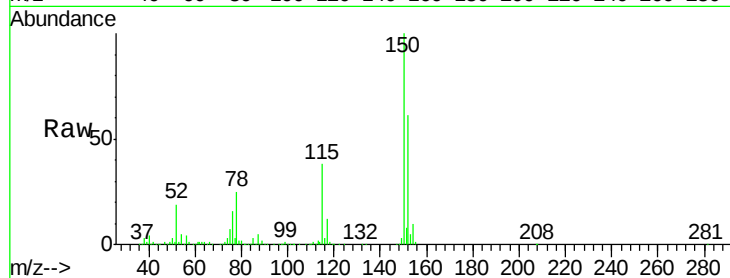
Tot Ion:152 Resp: 175874

Ion Ratio Lower Upper

152 100

115 59.3 41.3 124.1

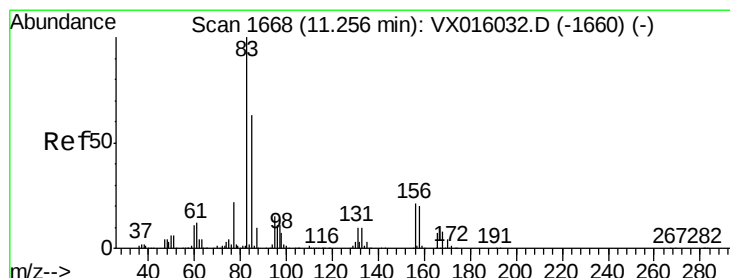
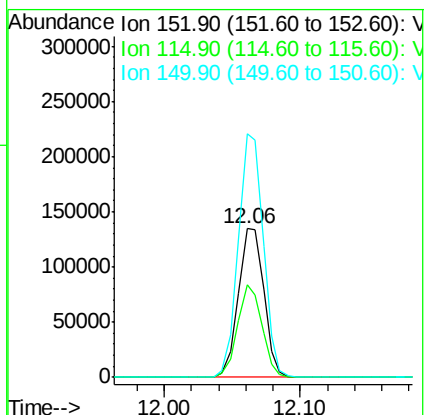
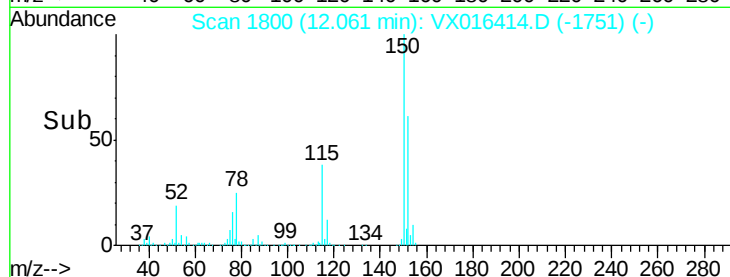
150 160.2 0.0 352.2



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



#75

1,1,2,2-Tetrachloroethane

Concen: 2.116 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.13 min

Lab File: VX016414.D

Acq: 22 May 2020 15:59

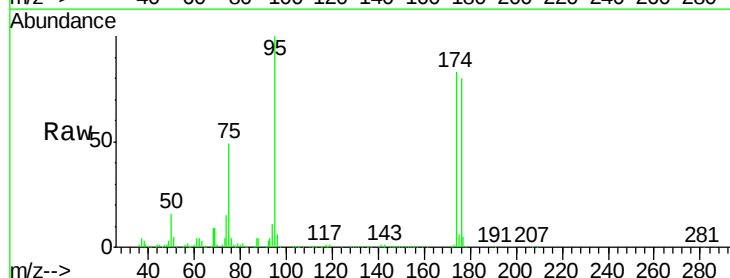
Tgt Ion: 83 Resp: 161

Ion Ratio Lower Upper

83 100

131 116.1 5.1 15.4#

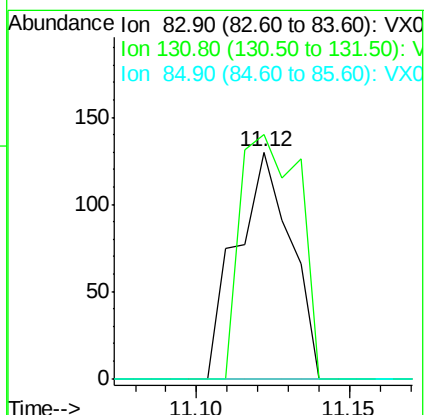
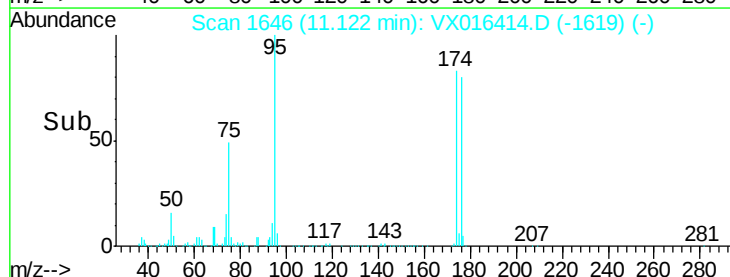
85 0.0 32.0 96.0#

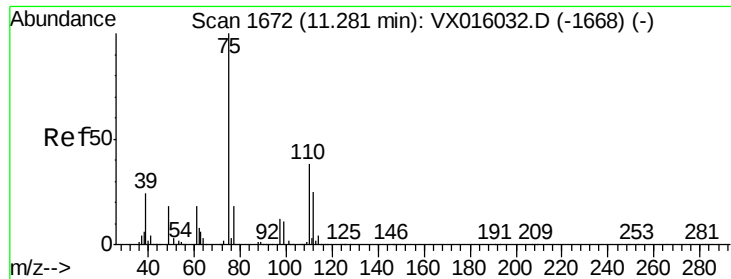


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0





#76

1,2,3-Trichloropropane

Concen: 20.619 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016414.D

Acq: 22 May 2020 15:59

Instrument :

MSVOA_X

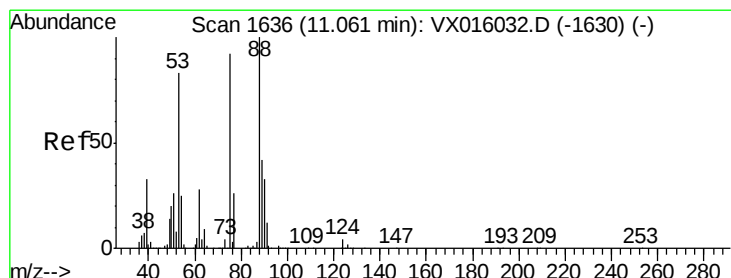
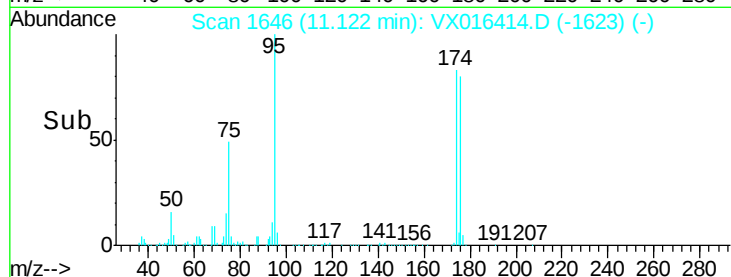
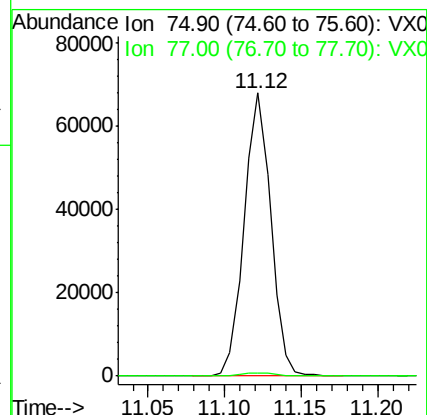
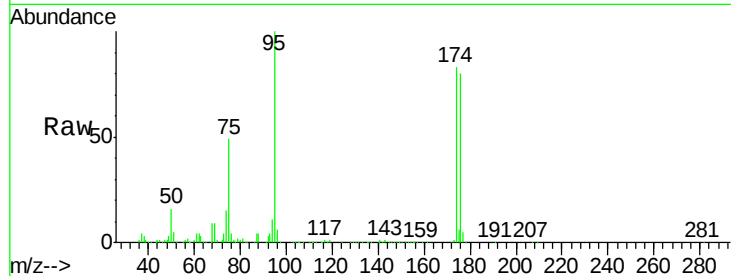
ClientSampleId :

Tot Ion: 75 Resp: 82290

Ion Ratio Lower Upper

75 100

77 1.4 21.2 63.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 49.137 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016414.D

Acq: 22 May 2020 15:59

Tgt Ion: 75 Resp: 82290

Ion Ratio Lower Upper

75 100

53 0.0 73.1 109.7#

89 0.0 36.7 55.1#

