

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052120\
 Data File : VX016392.D
 Acq On : 21 May 2020 18:27
 Operator : JC/SP
 Sample : L2730-05 40X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 22 09:22:22 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	5.63	168	234441	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	383414	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	378527	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	195695	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	133890	43.40	ug/l	0.00
Spiked Amount			Recovery	=	86.80%	
35) Dibromofluoromethane	5.47	113	109988	45.28	ug/l	0.00
Spiked Amount			Recovery	=	90.56%	
50) Toluene-d8	8.70	98	477675	51.04	ug/l	0.00
Spiked Amount			Recovery	=	102.08%	
62) 4-Bromofluorobenzene	11.12	95	192623	54.11	ug/l	0.00
Spiked Amount			Recovery	=	108.22%	

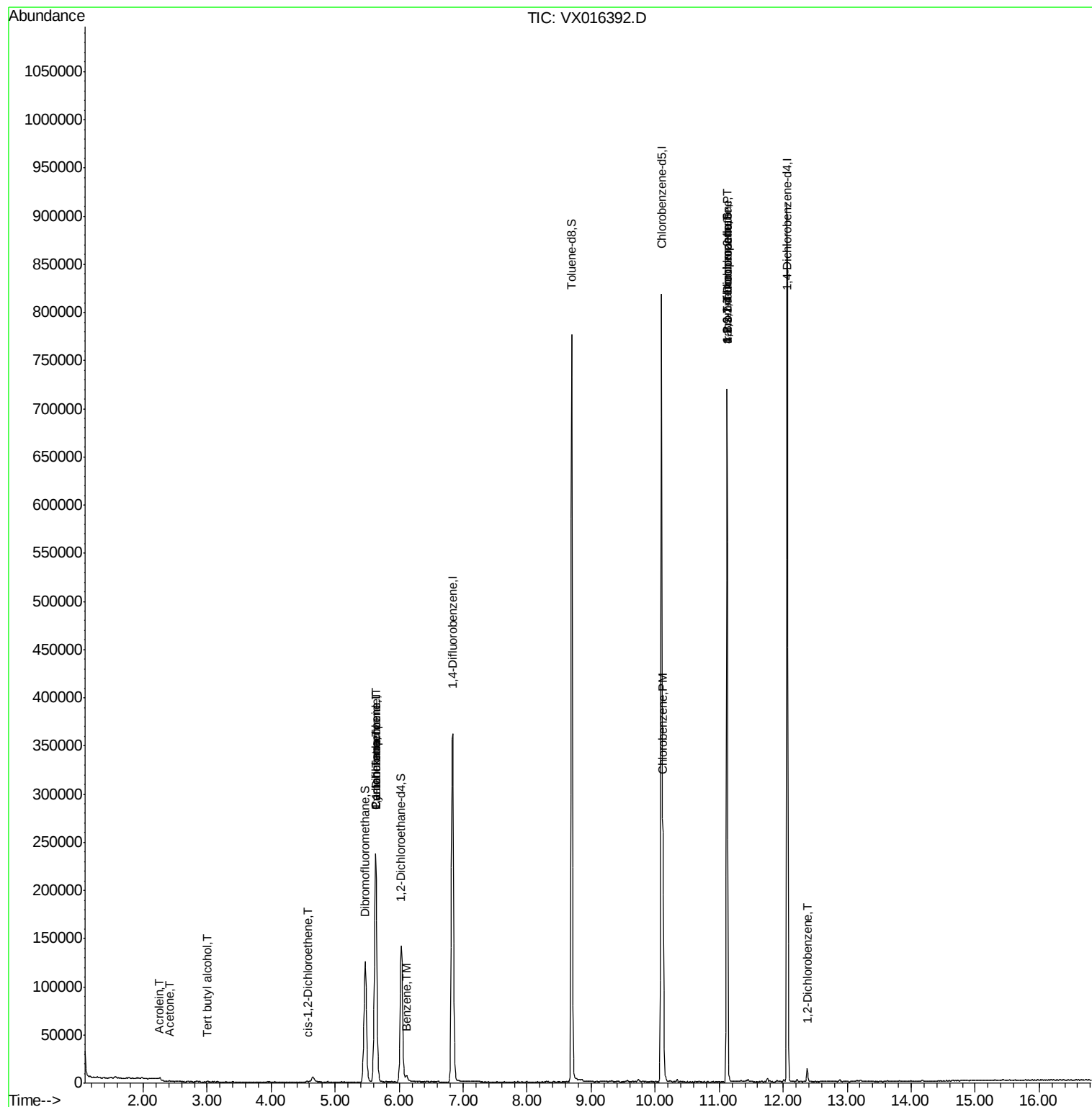
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.00	59	516	0.661	ug/l #	72
13) Acrolein	2.26	56	293	0.600	ug/l #	67
16) Acetone	2.42	43	634	0.461	ug/l #	81
17) Carbon Disulfide	2.55	76	622	Below Cal	#	66
27) cis-1,2-Dichloroethene	4.58	96	723	0.244	ug/l	51
31) Cyclohexane	5.63	56	3918	0.914	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	16841	4.462	ug/l #	49
38) Carbon Tetrachloride	5.63	117	22000	5.735	ug/l #	15
40) Benzene	6.11	78	7004	0.634	ug/l	98
65) Chlorobenzene	10.12	112	106973	13.497	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.12	83	74	2.077	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	91667	20.642	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	91667	49.192	ug/l #	13
91) 1,2-Dichlorobenzene	12.38	146	4473	0.704	ug/l	97

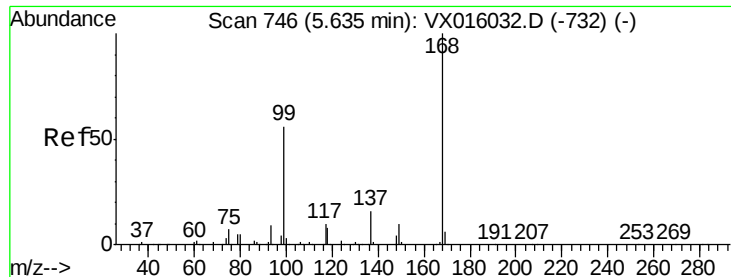
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.63 min Scan# 746

Delta R.T. -0.00 min

Lab File: VX016392.D

Acq: 21 May 2020 18:27

Instrument :

MSVOA_X

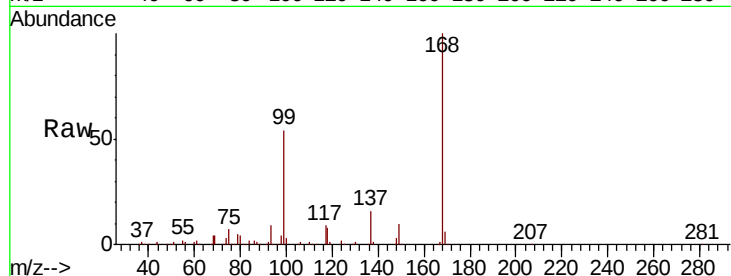
ClientSampleId :

Tot Ion:168 Resp: 234441

Ion Ratio Lower Upper

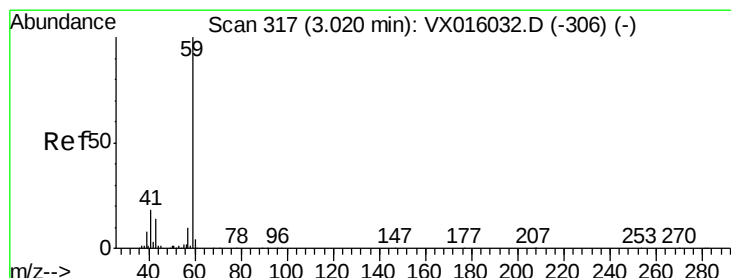
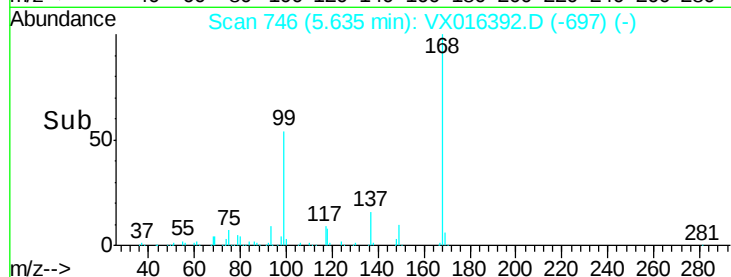
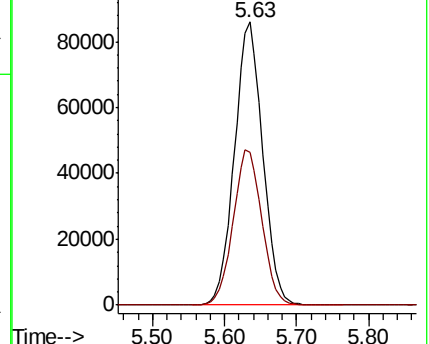
168 100

99 53.9 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#11

Tert butyl alcohol

Concen: 0.661 ug/l

RT: 3.00 min Scan# 314

Delta R.T. -0.02 min

Lab File: VX016392.D

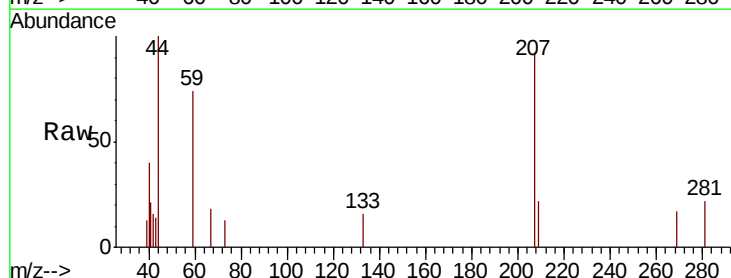
Acq: 21 May 2020 18:27

Tgt Ion: 59 Resp: 516

Ion Ratio Lower Upper

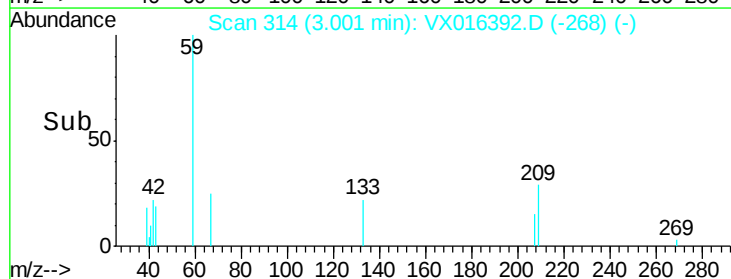
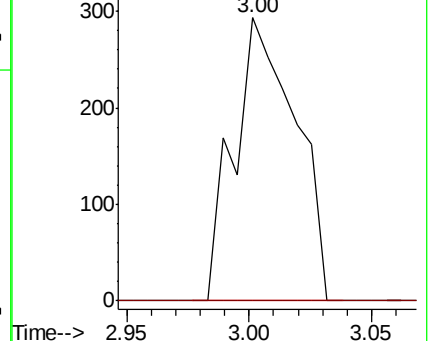
59 100

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

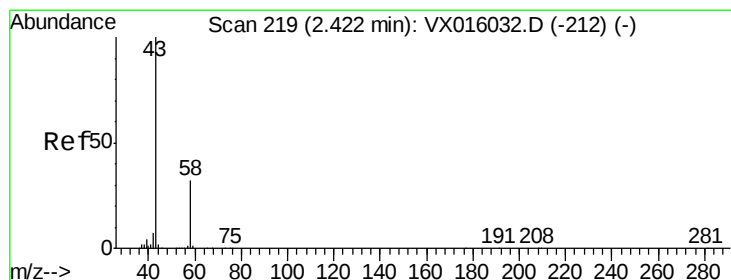
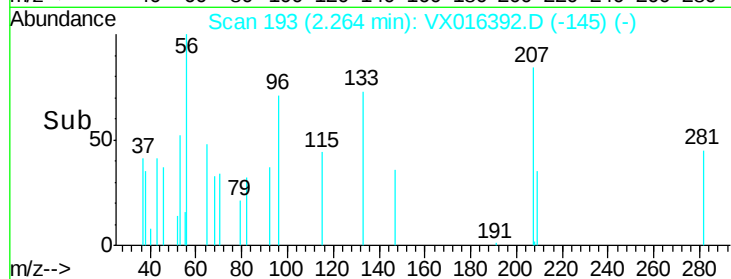
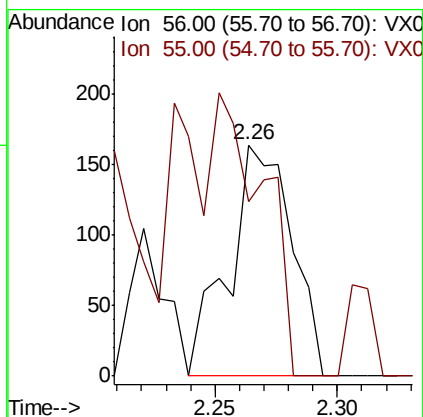
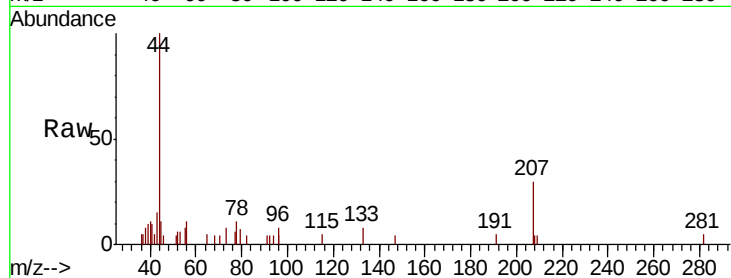




#13
Acrolein
Concen: 0.600 ug/l
RT: 2.26 min Scan# 193
Delta R.T. -0.01 min
Lab File: VX016392.D
Acq: 21 May 2020 18:27

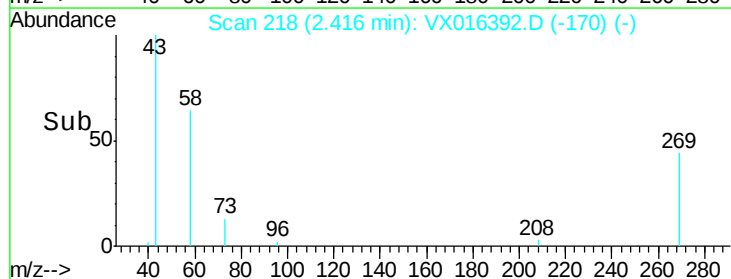
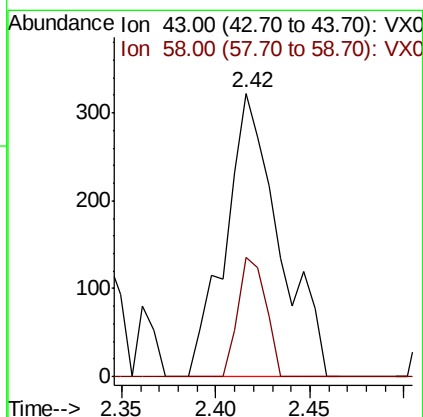
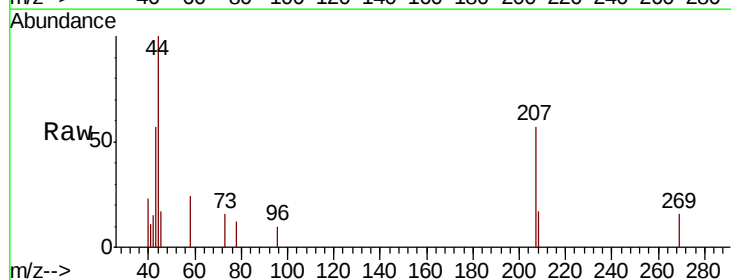
Instrument :
MSVOA_X
ClientSampled :

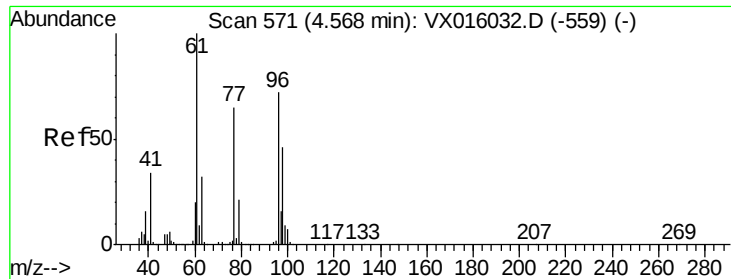
Tot Ion: 56 Resp: 293
Ion Ratio Lower Upper
56 100
55 98.0 56.5 84.7#



#16
Acetone
Concen: 0.461 ug/l
RT: 2.42 min Scan# 218
Delta R.T. -0.01 min
Lab File: VX016392.D
Acq: 21 May 2020 18:27

Tgt Ion: 43 Resp: 634
Ion Ratio Lower Upper
43 100
58 42.2 25.4 38.0#



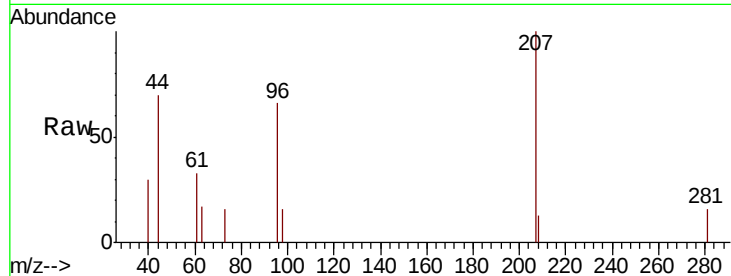


#27

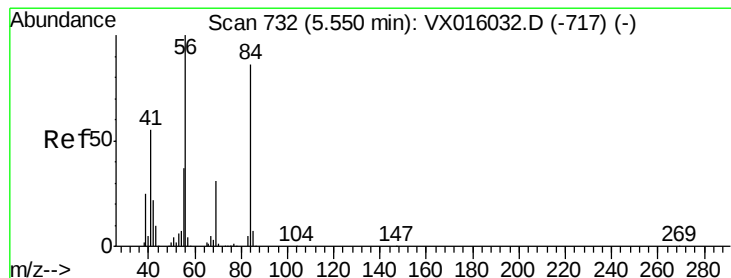
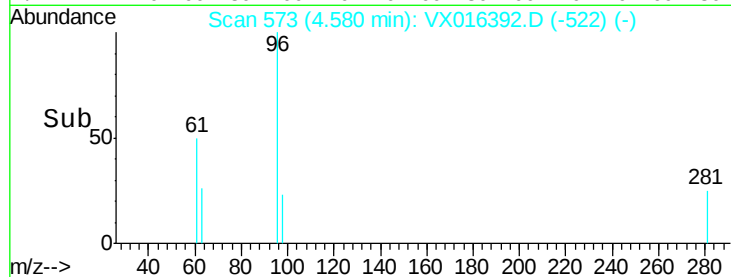
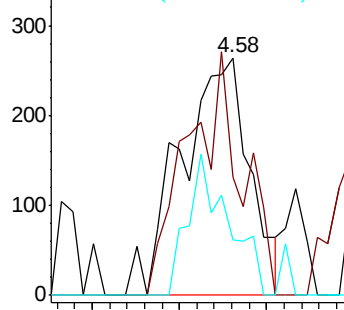
cis-1,2-Dichloroethene
 Concen: 0.244 ug/l
 RT: 4.58 min Scan# 573
 Delta R.T. 0.01 min
 Lab File: VX016392.D
 Acq: 21 May 2020 18:27

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
96	100		
61	80.6	0.0	296.2
98	35.4	0.0	129.4



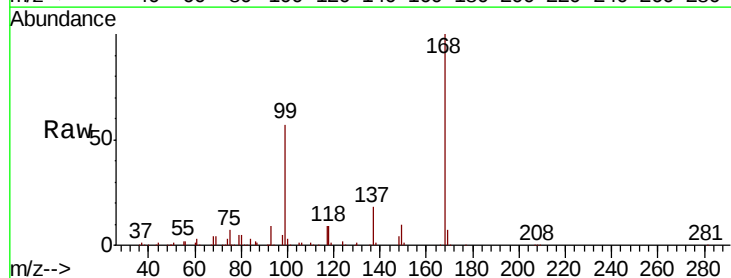
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



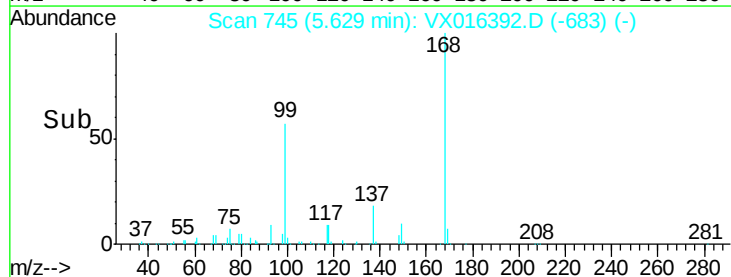
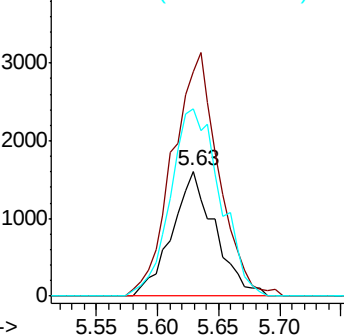
#31

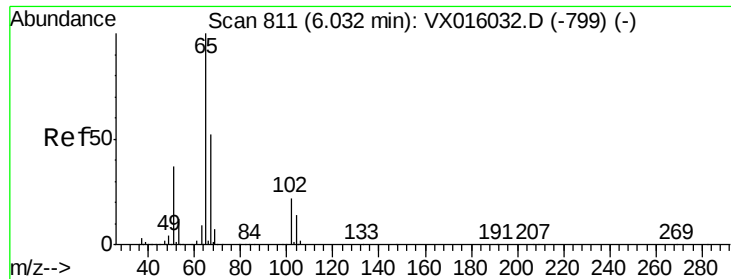
Cyclohexane
 Concen: 0.914 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. 0.08 min
 Lab File: VX016392.D
 Acq: 21 May 2020 18:27

Tgt Ion	Ratio	Lower	Upper
56	100		
69	179.4	25.0	37.6#
84	150.2	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: 43.400 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.01 min

Lab File: VX016392.D

Acq: 21 May 2020 18:27

Instrument :

MSVOA_X

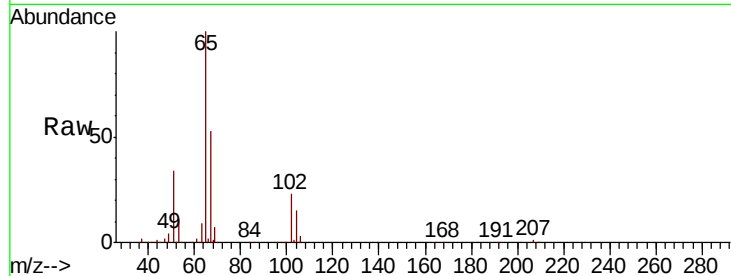
ClientSampleId :

Tot Ion: 65 Resp: 133890

Ion Ratio Lower Upper

65 100

67 53.4 0.0 104.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.04

50000

40000

30000

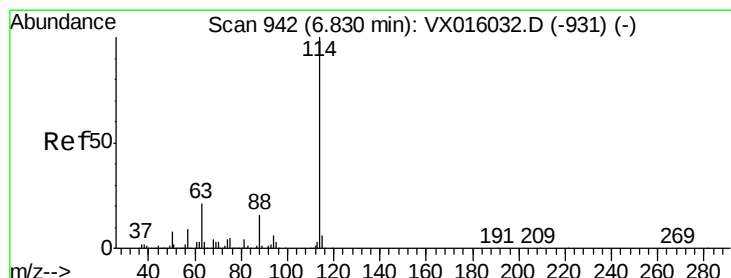
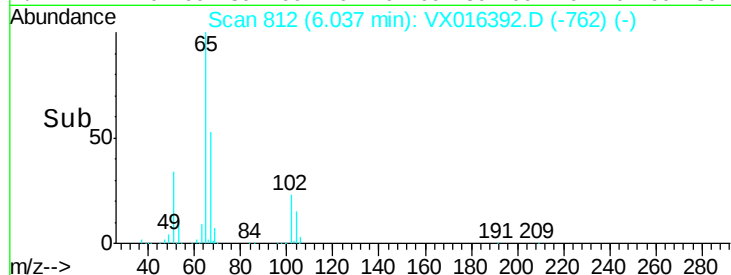
20000

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: VX016392.D

Acq: 21 May 2020 18:27

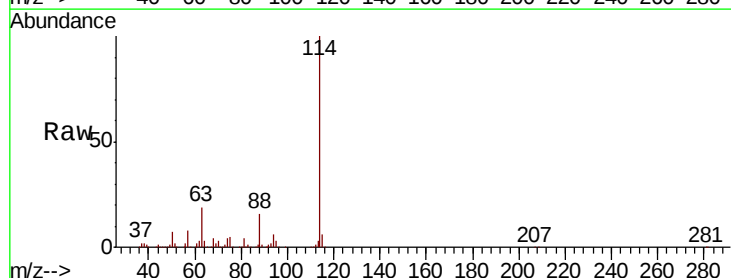
Tgt Ion: 114 Resp: 383414

Ion Ratio Lower Upper

114 100

63 19.4 0.0 42.8

88 16.3 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

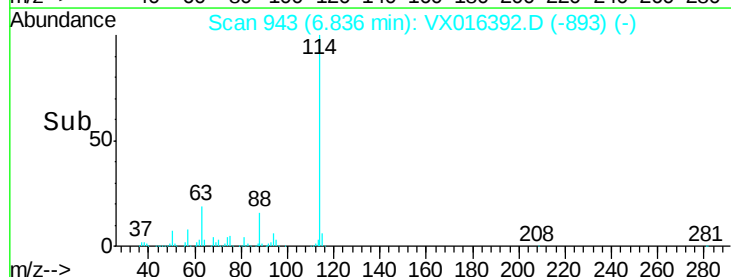
100000

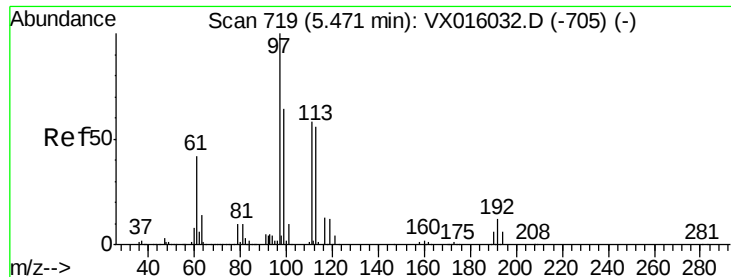
50000

0

Time-->

6.70 6.80 6.90

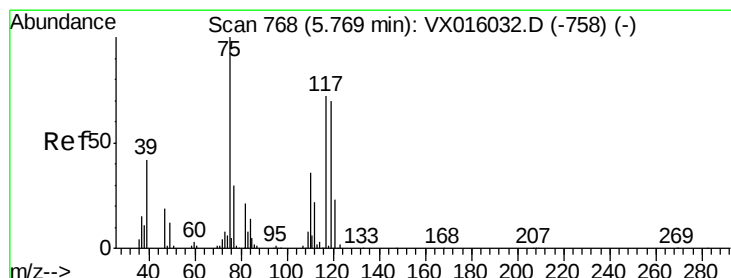
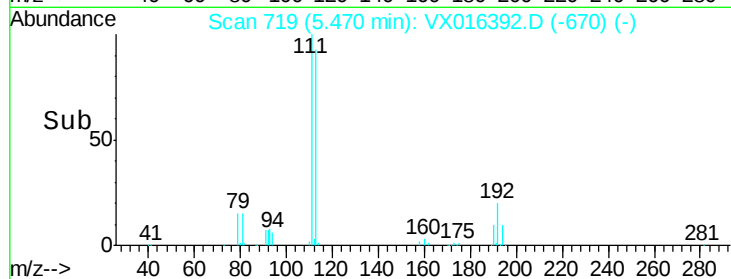
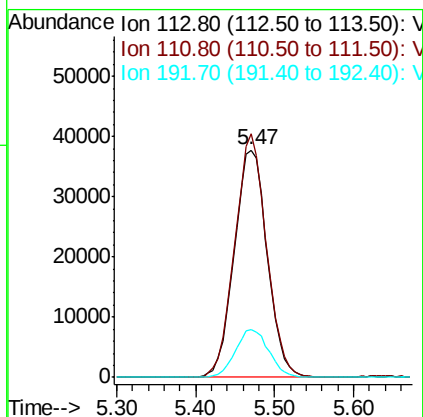
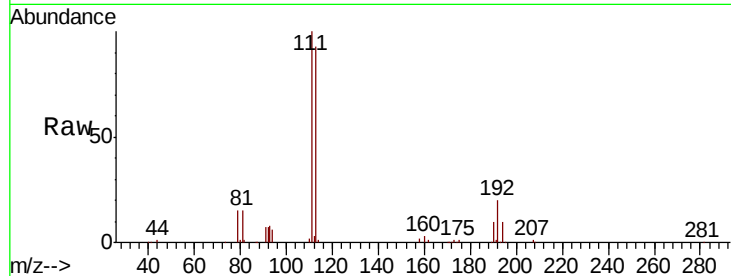




#35
 Dibromofluoromethane
 Concen: 45.279 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. -0.00 min
 Lab File: VX016392.D
 Acq: 21 May 2020 18:27

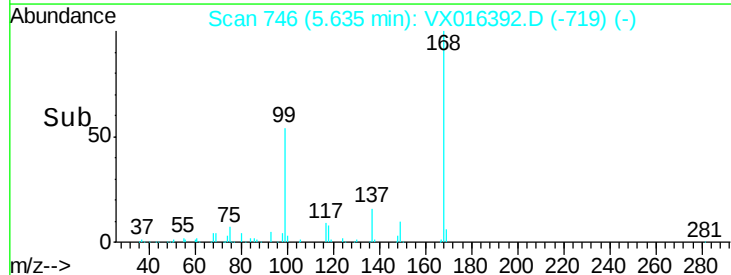
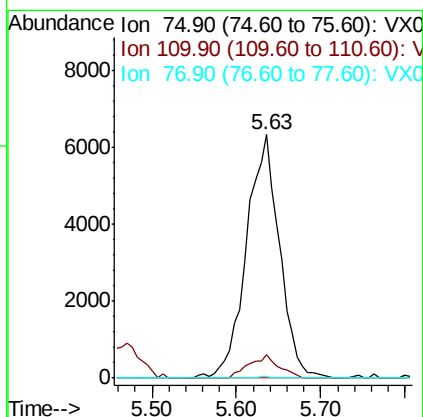
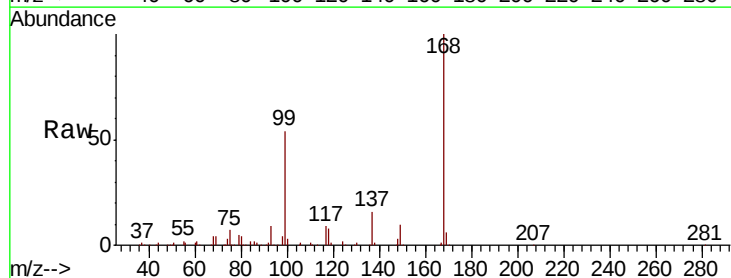
Instrument :
 MSVOA_X
 ClientSampled :

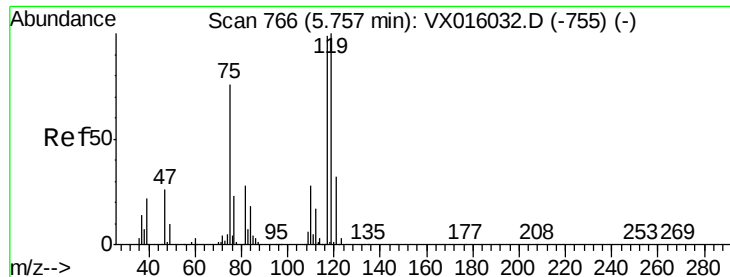
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.8	81.6	122.4
192	21.2	17.0	25.4



#36
 1,1-Dichloropropene
 Concen: 4.462 ug/l
 RT: 5.63 min Scan# 746
 Delta R.T. -0.13 min
 Lab File: VX016392.D
 Acq: 21 May 2020 18:27

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.6	18.1	54.1#
77	0.2	25.0	37.6#

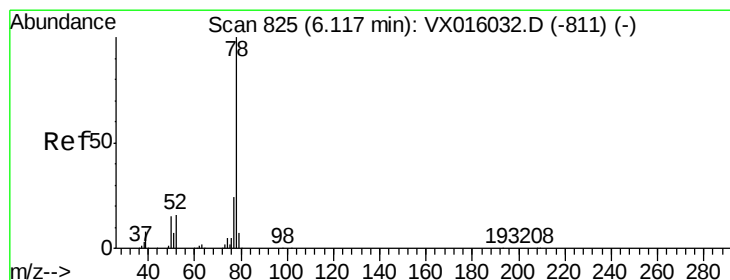
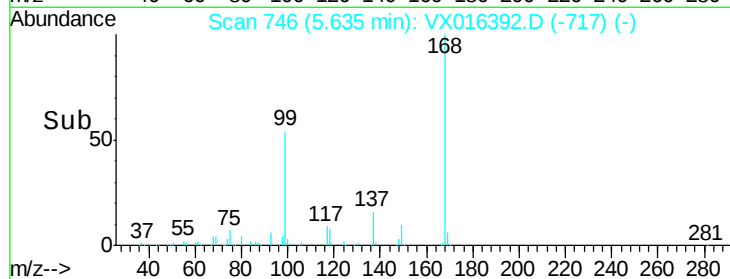
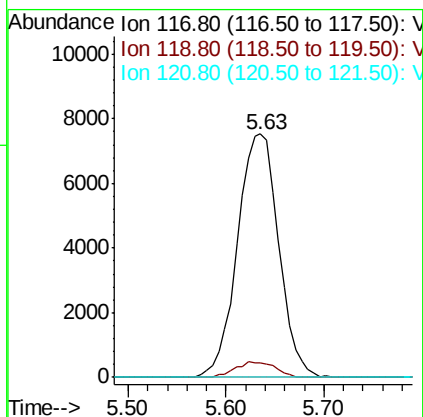
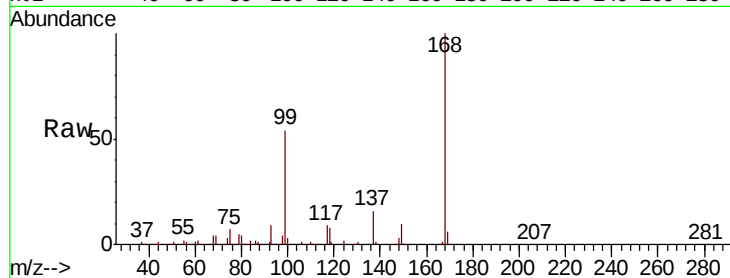




#38
Carbon Tetrachloride
Concen: 5.735 ug/l
RT: 5.63 min Scan# 746
Delta R.T. -0.12 min
Lab File: VX016392.D
Acq: 21 May 2020 18:27

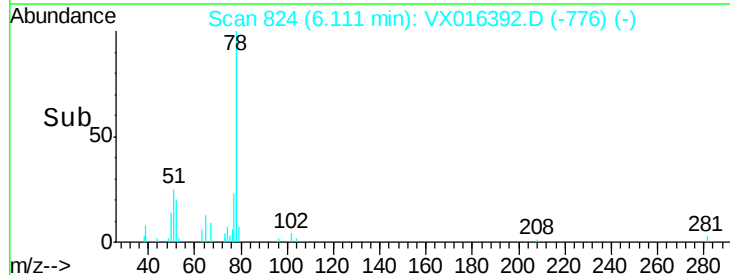
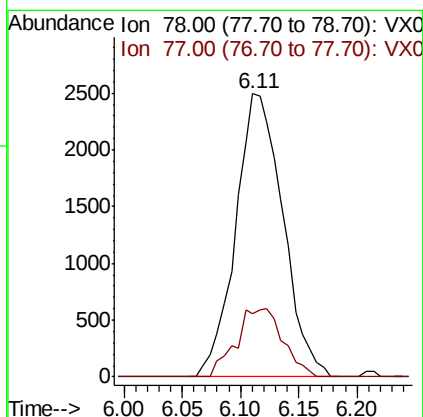
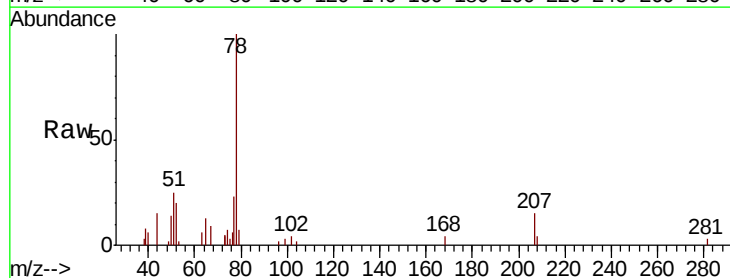
Instrument :
MSVOA_X
ClientSampleId :

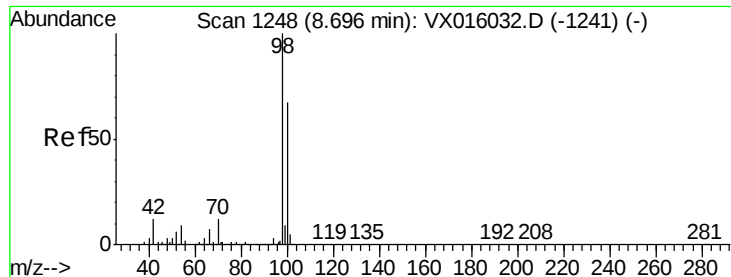
Tot Ion:117 Resp: 22000
Ion Ratio Lower Upper
117 100
119 6.0 80.3 120.5#
121 0.0 25.7 38.5#



#40
Benzene
Concen: 0.634 ug/l
RT: 6.11 min Scan# 824
Delta R.T. -0.01 min
Lab File: VX016392.D
Acq: 21 May 2020 18:27

Tgt Ion: 78 Resp: 7004
Ion Ratio Lower Upper
78 100
77 22.5 19.0 28.4

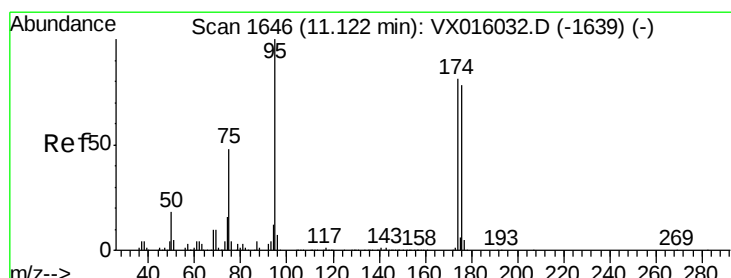
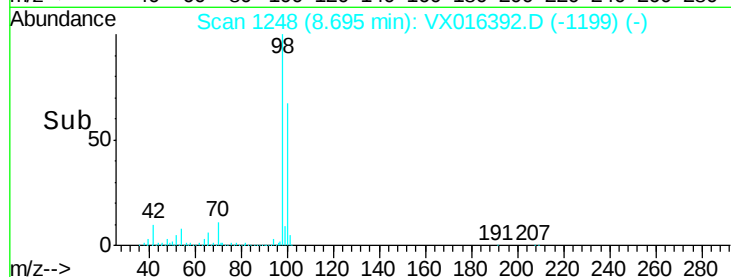
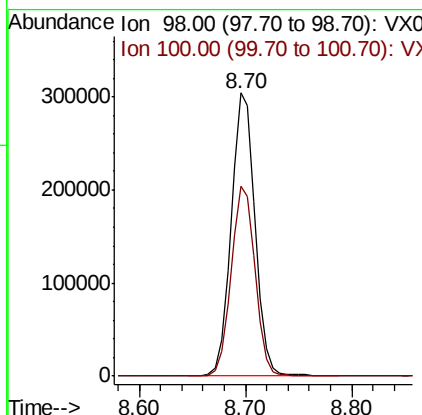
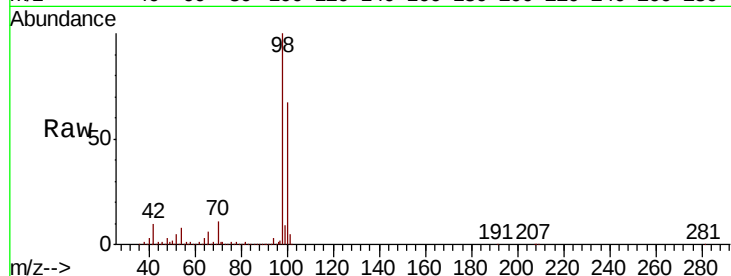




#50
Toluene-d8
Concen: 51.037 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX016392.D
Acq: 21 May 2020 18:27

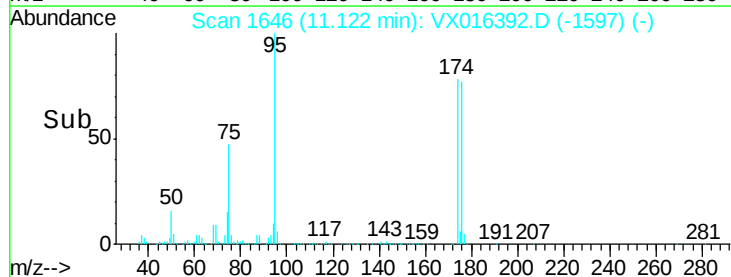
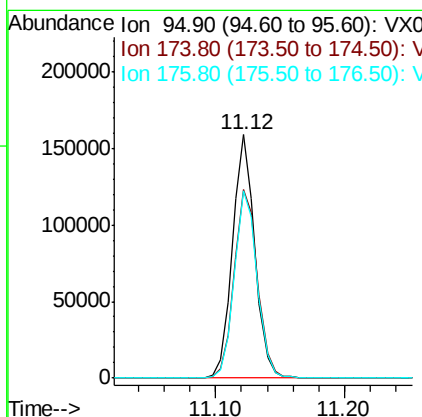
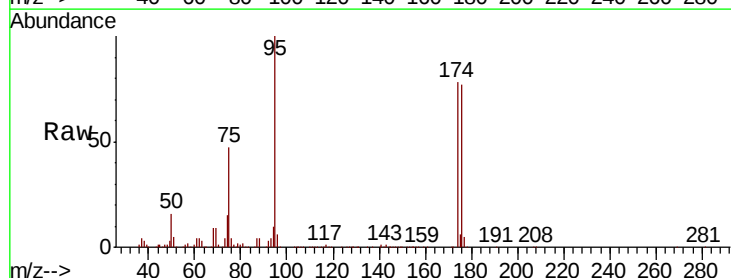
Instrument :
MSVOA_X
ClientSampleId :

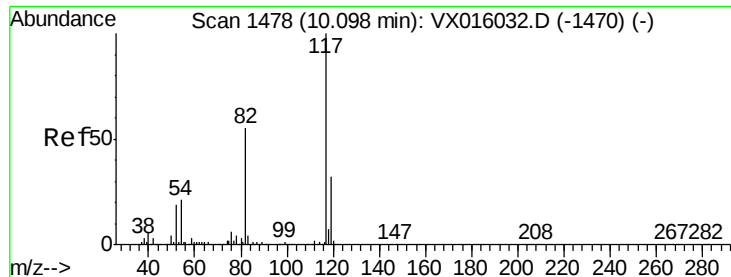
Tot Ion: 98 Resp: 477675
Ion Ratio Lower Upper
98 100
100 67.5 53.7 80.5



#62
4-Bromofluorobenzene
Concen: 54.109 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX016392.D
Acq: 21 May 2020 18:27

Tgt Ion: 95 Resp: 192623
Ion Ratio Lower Upper
95 100
174 80.6 0.0 159.4
176 78.6 0.0 157.6

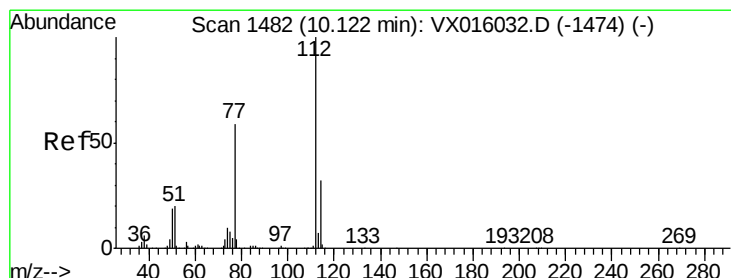
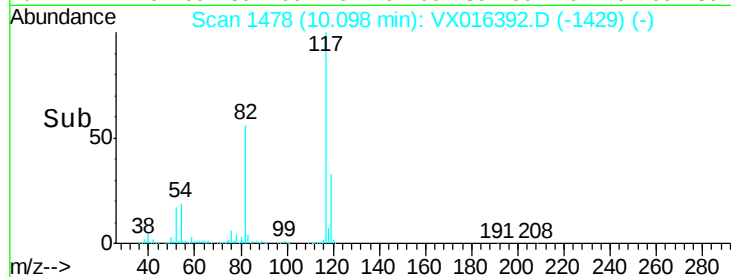
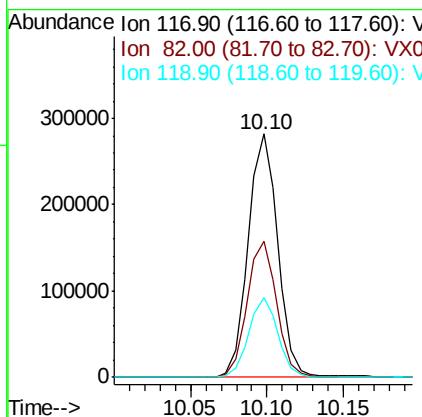
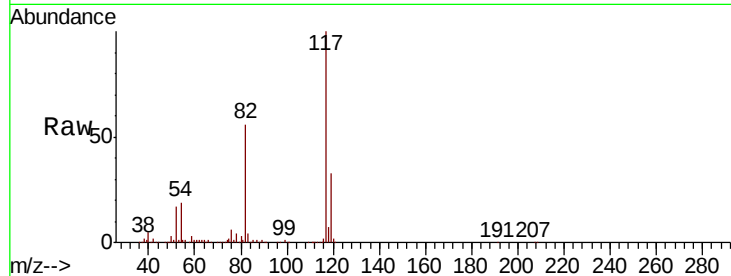




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016392.D
Acq: 21 May 2020 18:27

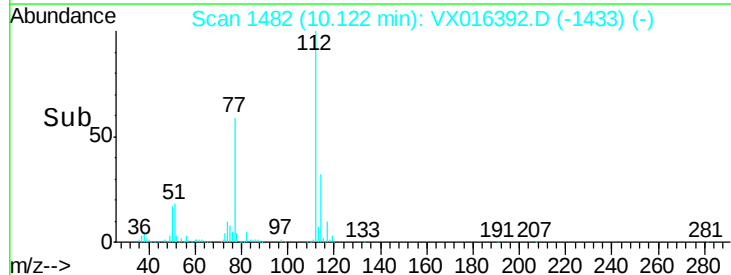
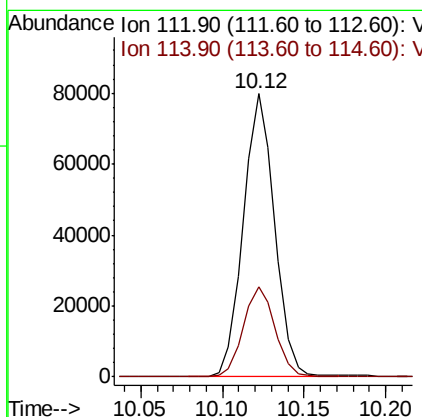
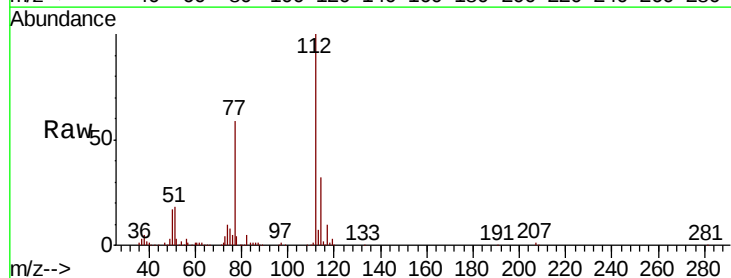
Instrument :
MSVOA_X
ClientSampleId :

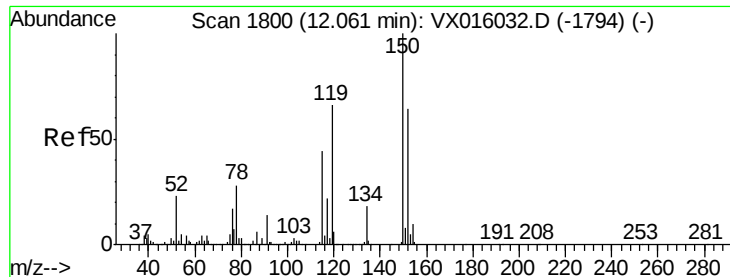
Tot Ion:117 Resp: 378527
Ion Ratio Lower Upper
117 100
82 56.0 44.4 66.6
119 32.9 25.5 38.3



#65
Chlorobenzene
Concen: 13.497 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. -0.00 min
Lab File: VX016392.D
Acq: 21 May 2020 18:27

Tgt Ion:112 Resp: 106973
Ion Ratio Lower Upper
112 100
114 31.6 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016392.D

Acq: 21 May 2020 18:27

Instrument :

MSVOA_X

ClientSampleId :

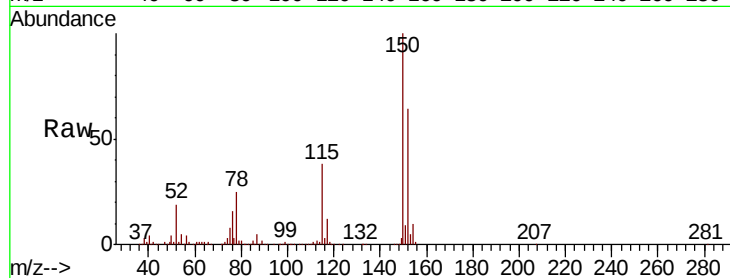
Tot Ion:152 Resp: 195695

Ion Ratio Lower Upper

152 100

115 58.9 41.3 124.1

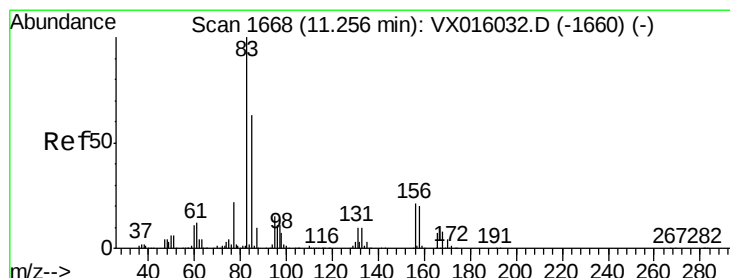
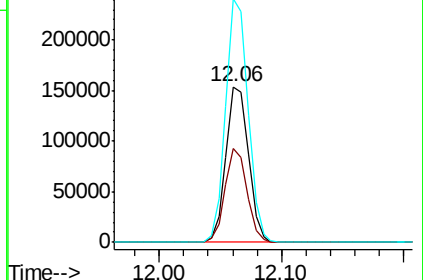
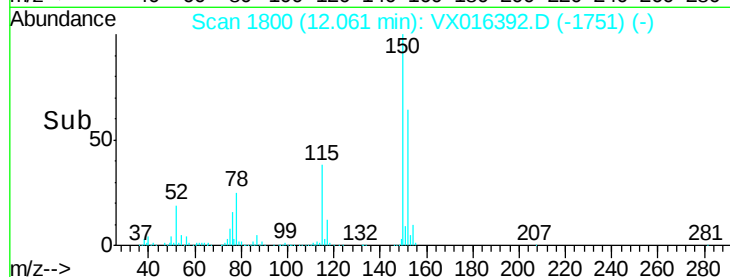
150 155.2 0.0 352.2



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: 2.077 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.13 min

Lab File: VX016392.D

Acq: 21 May 2020 18:27

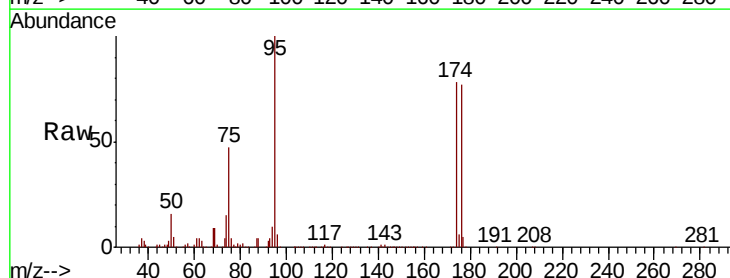
Tgt Ion: 83 Resp: 74

Ion Ratio Lower Upper

83 100

131 273.0 5.1 15.4#

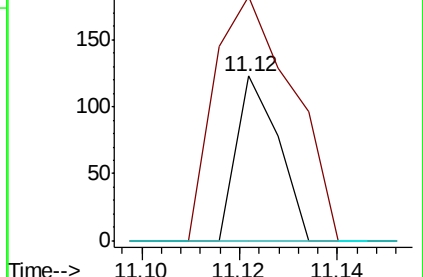
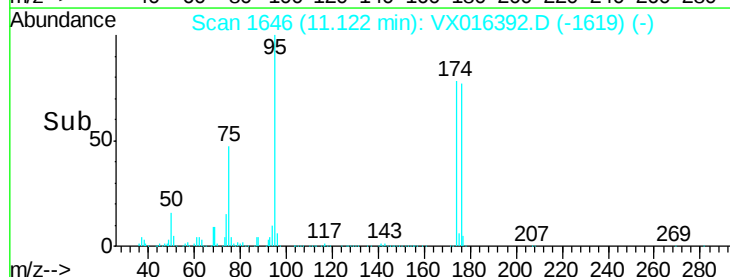
85 0.0 32.0 96.0#

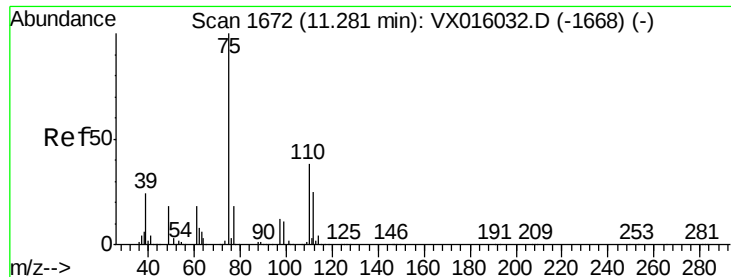


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0





#76

1,2,3-Trichloropropane

Concen: 20.642 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016392.D

Acq: 21 May 2020 18:27

Instrument :

MSVOA_X

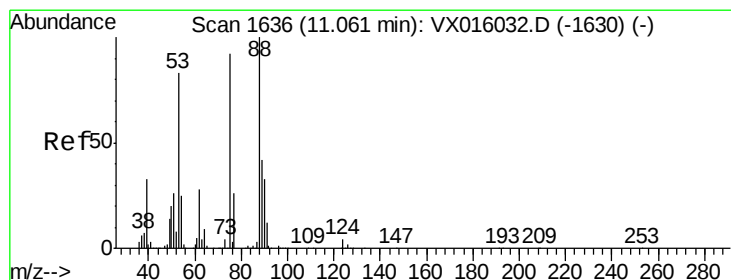
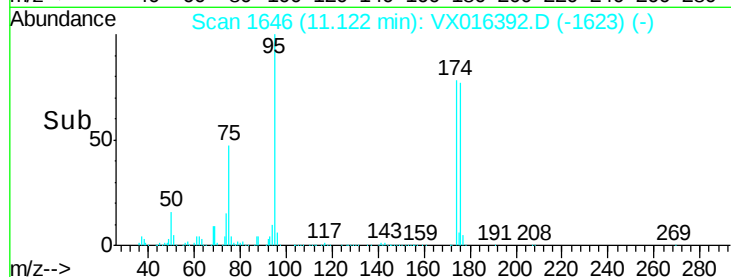
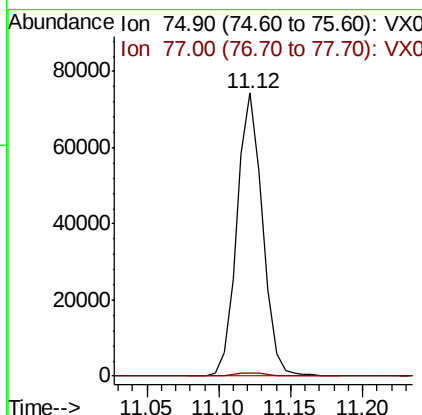
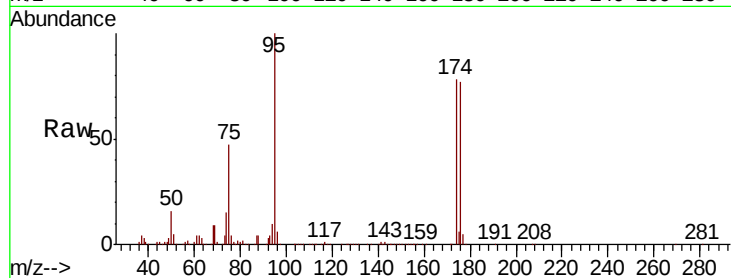
ClientSampleId :

Tot Ion: 75 Resp: 91667

Ion Ratio Lower Upper

75 100

77 1.4 21.2 63.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 49.192 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016392.D

Acq: 21 May 2020 18:27

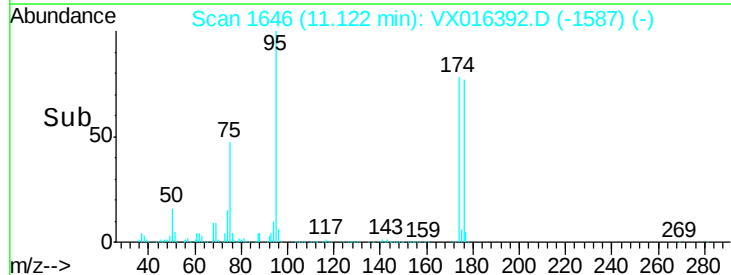
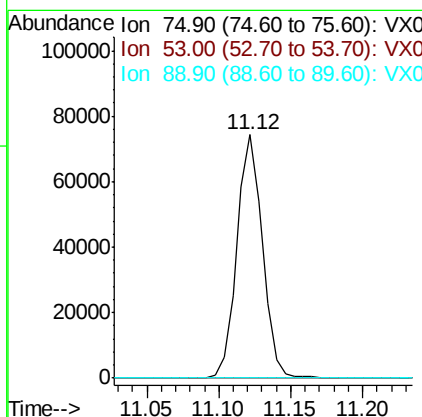
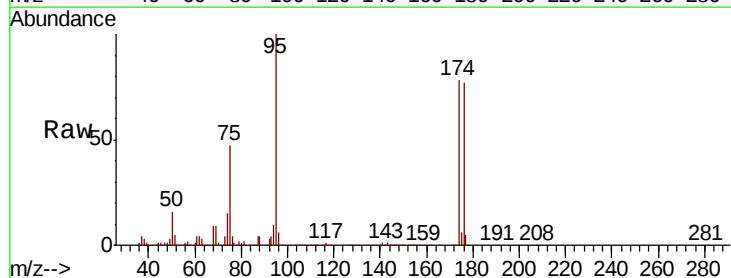
Tgt Ion: 75 Resp: 91667

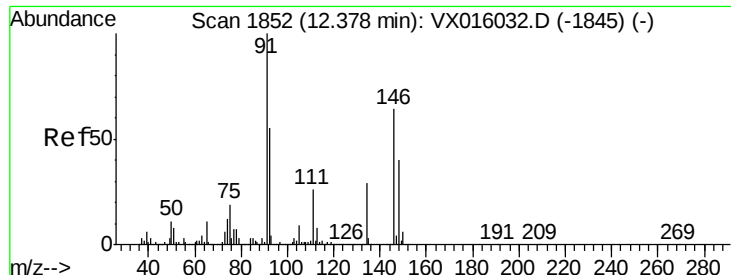
Ion Ratio Lower Upper

75 100

53 0.0 73.1 109.7#

89 0.0 36.7 55.1#





#91

1,2-Dichlorobenzene

Concen: 0.704 ug/l

RT: 12.38 min Scan# 1852

Delta R.T. -0.00 min

Lab File: VX016392.D

Acq: 21 May 2020 18:27

Instrument :

MSVOA_X

ClientSampleId :

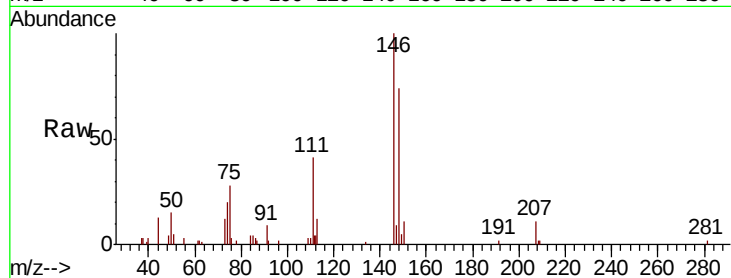
Tot Ion:146 Resp: 4473

Ion Ratio Lower Upper

146 100

111 41.4 21.1 63.1

148 68.6 32.4 97.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

