

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061220\
 Data File : VX016740.D
 Acq On : 12 Jun 2020 19:42
 Operator : JC/SP
 Sample : L3005-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 13 04:34:09 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	5.64	168	223780	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	354882	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	368693	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	193718	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	134799	48.51	ug/l	0.00
Spiked Amount			Recovery	=	97.02%	
35) Dibromofluoromethane	5.47	113	112024	51.27	ug/l	0.00
Spiked Amount			Recovery	=	102.54%	
50) Toluene-d8	8.70	98	437739	51.47	ug/l	0.00
Spiked Amount			Recovery	=	102.94%	
62) 4-Bromofluorobenzene	11.12	95	176916	53.83	ug/l	0.00
Spiked Amount			Recovery	=	107.66%	

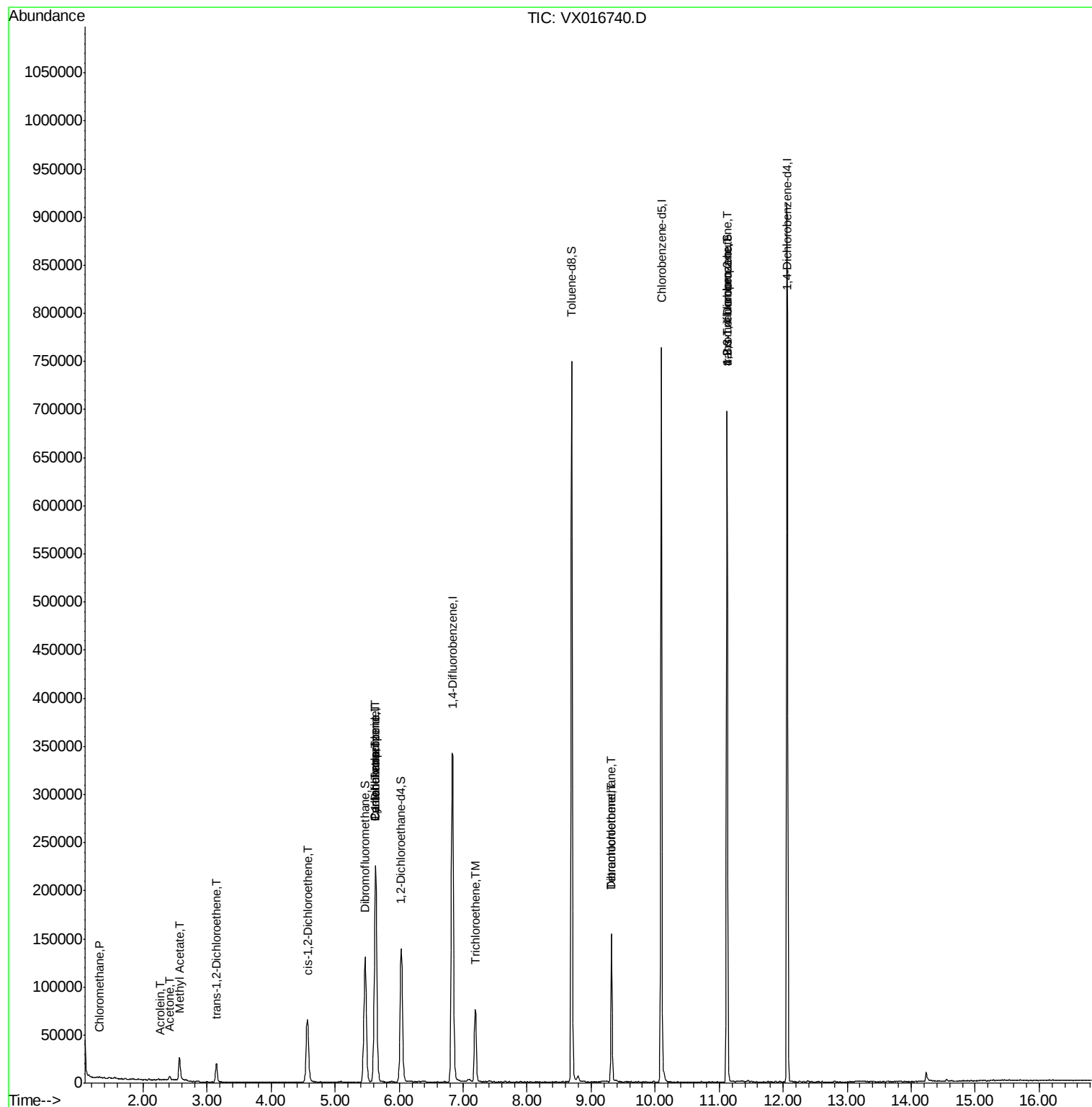
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	926	0.348	ug/l #	88
13) Acrolein	2.27	56	161	0.531	ug/l #	63
16) Acetone	2.41	43	3849	3.161	ug/l	99
18) Methyl Acetate	2.57	43	6096	1.952	ug/l #	51
21) trans-1,2-Dichloroethene	3.15	96	8213	3.448	ug/l	88
27) cis-1,2-Dichloroethene	4.57	96	44395	16.112	ug/l	86
31) Cyclohexane	5.62	56	3871	1.002	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	15445	4.597	ug/l #	51
38) Carbon Tetrachloride	5.64	117	21377	6.054	ug/l #	16
44) Trichloroethene	7.19	130	30387	9.572	ug/l	97
60) Dibromochloromethane	9.32	129	27633	9.788	ug/l #	11
64) Tetrachloroethene	9.32	164	31291	7.586	ug/l	97
76) 1,2,3-Trichloropropane	11.12	75	85817	20.154	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	85817	49.576	ug/l #	14

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

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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: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX016740.D

Acq: 12 Jun 2020 19:42

Instrument :

MSVOA_X

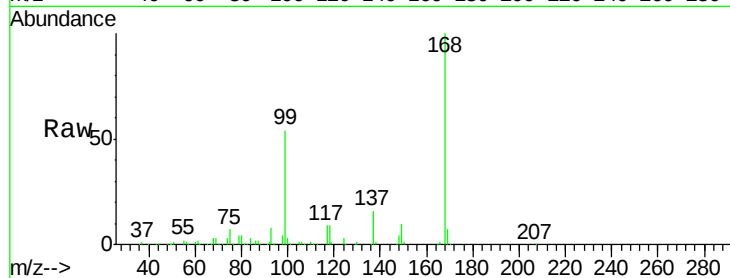
ClientSampleId :

Tot Ion:168 Resp: 223780

Ion Ratio Lower Upper

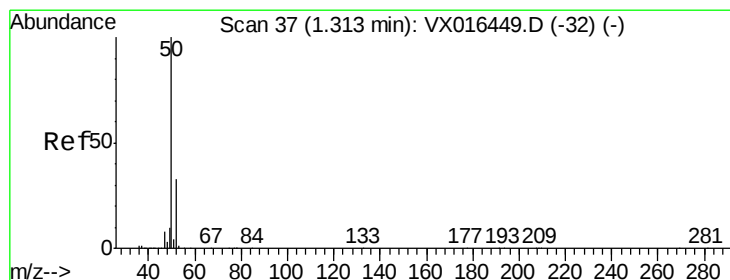
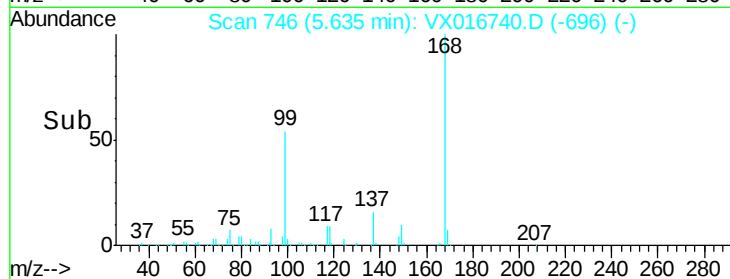
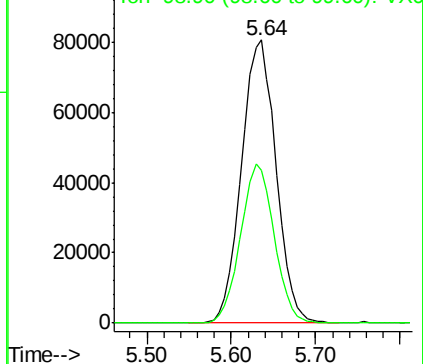
168 100

99 54.0 45.2 67.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.348 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX016740.D

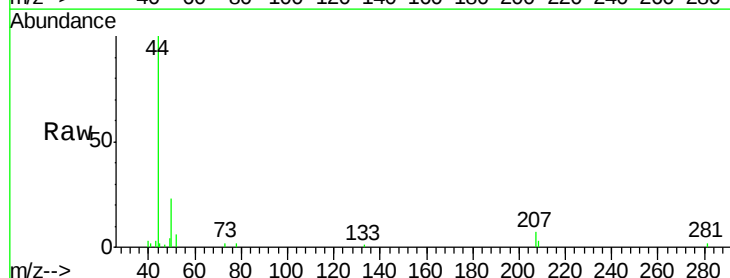
Acq: 12 Jun 2020 19:42

Tgt Ion: 50 Resp: 926

Ion Ratio Lower Upper

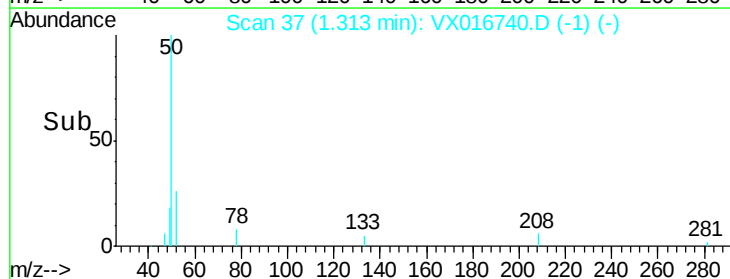
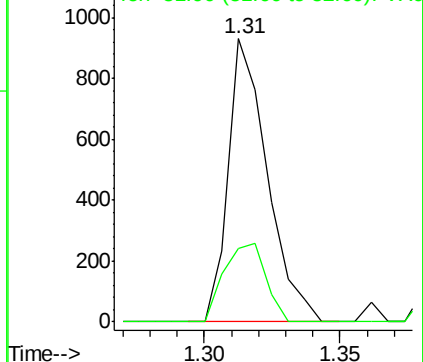
50 100

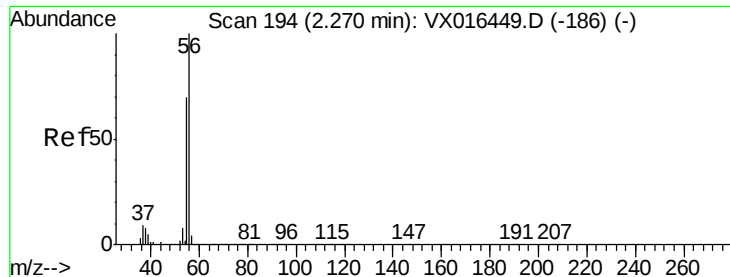
52 25.8 26.2 39.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#13

Acrolein

Concen: 0.531 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.00 min

Lab File: VX016740.D

Acq: 12 Jun 2020 19:42

Instrument :

MSVOA_X

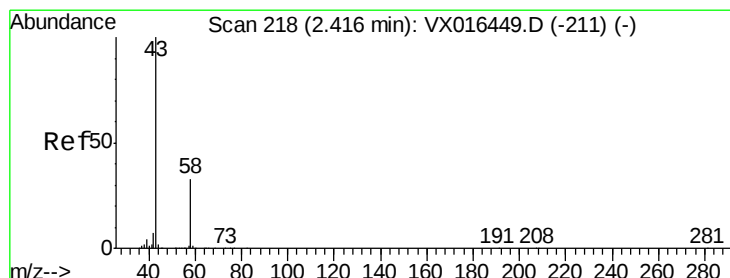
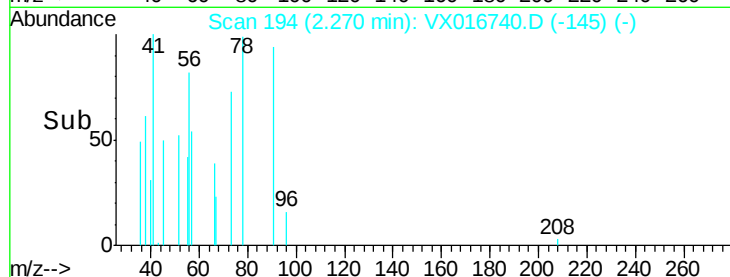
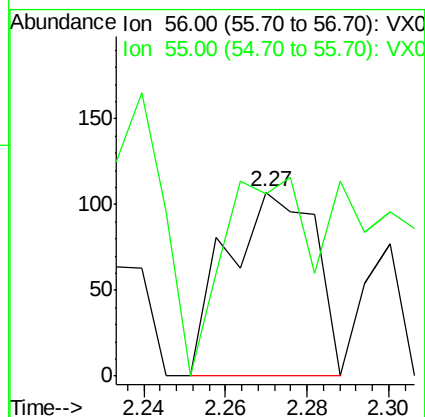
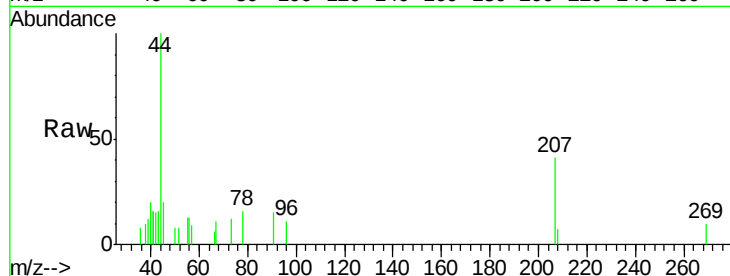
ClientSampleId :

Tot Ion: 56 Resp: 161

Ion Ratio Lower Upper

56 100

55 103.7 58.3 87.5#



#16

Acetone

Concen: 3.161 ug/l

RT: 2.41 min Scan# 217

Delta R.T. -0.01 min

Lab File: VX016740.D

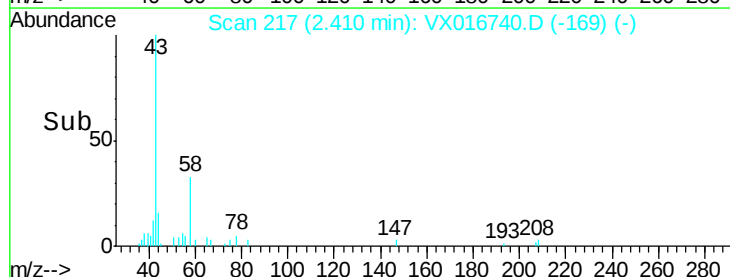
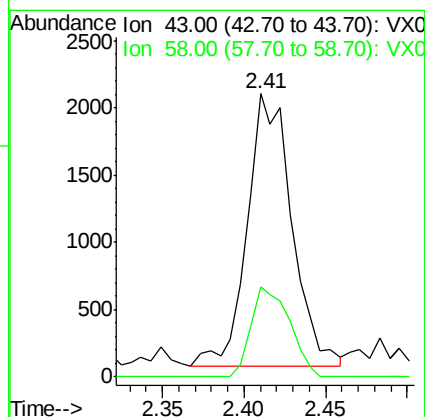
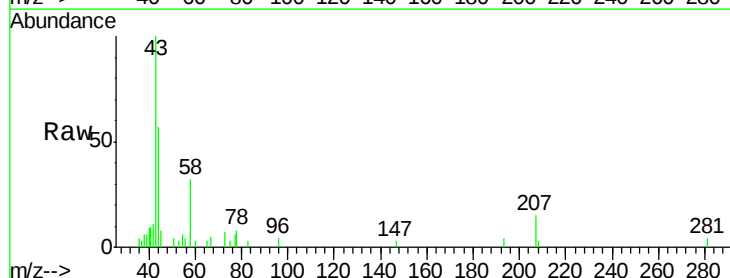
Acq: 12 Jun 2020 19:42

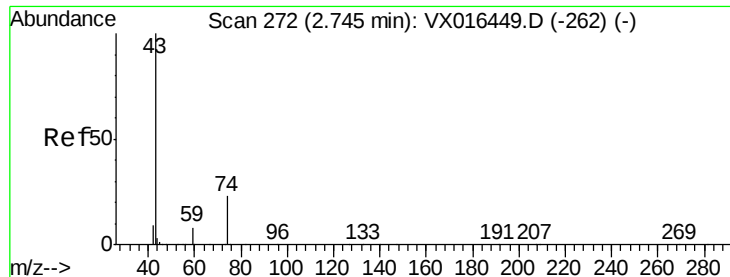
Tgt Ion: 43 Resp: 3849

Ion Ratio Lower Upper

43 100

58 33.0 26.1 39.1

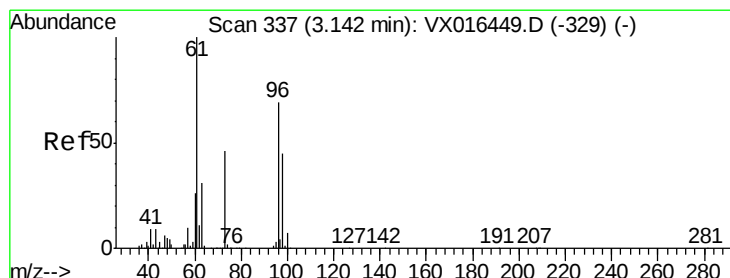
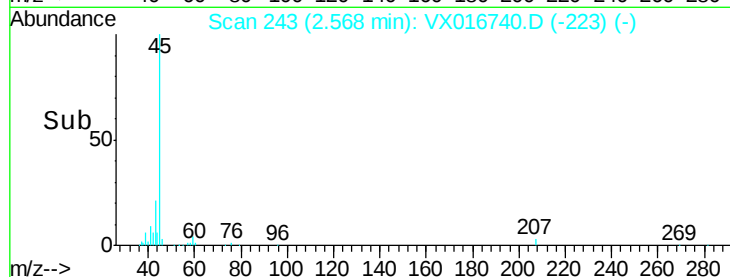
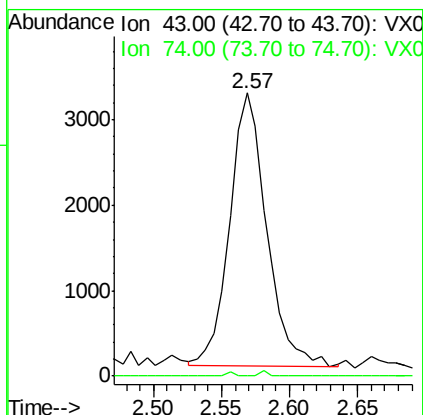
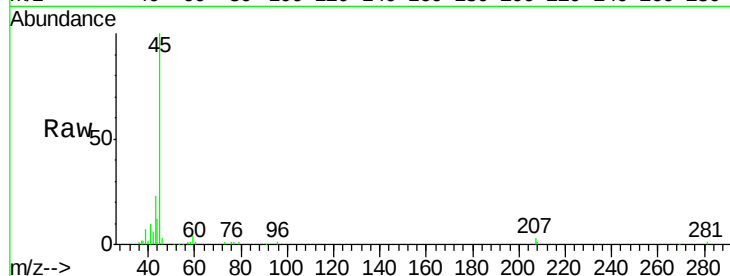




#18
Methvl Acetate
Concen: 1.952 ug/l
RT: 2.57 min Scan# 243
Delta R.T. -0.18 min
Lab File: VX016740.D
Acq: 12 Jun 2020 19:42

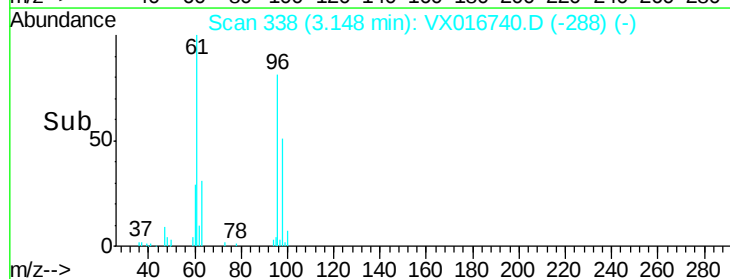
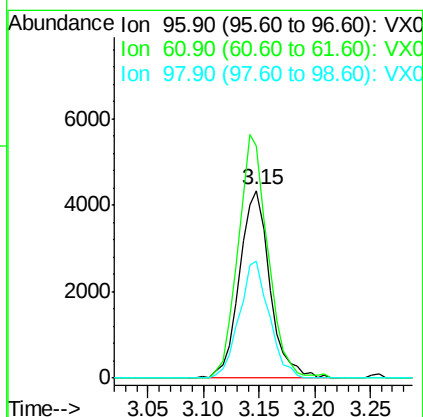
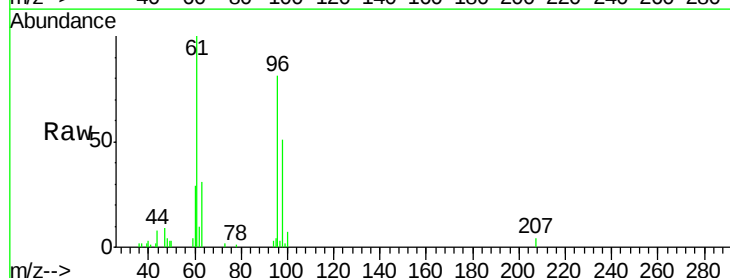
Instrument :
MSVOA_X
ClientSampleId :

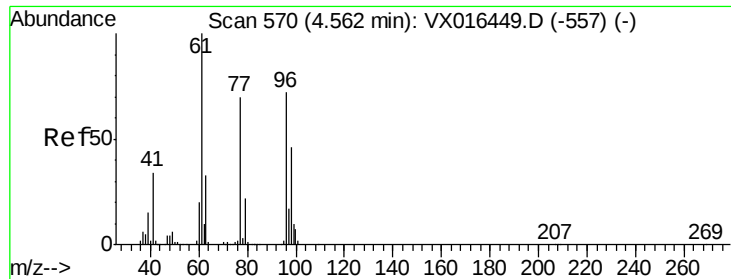
Tot Ion: 43 Resp: 6096
Ion Ratio Lower Upper
43 100
74 0.3 19.7 29.5#



#21
trans-1,2-Dichloroethene
Concen: 3.448 ug/l
RT: 3.15 min Scan# 338
Delta R.T. 0.01 min
Lab File: VX016740.D
Acq: 12 Jun 2020 19:42

Tgt Ion: 96 Resp: 8213
Ion Ratio Lower Upper
96 100
61 123.7 115.3 172.9
98 62.6 51.9 77.9



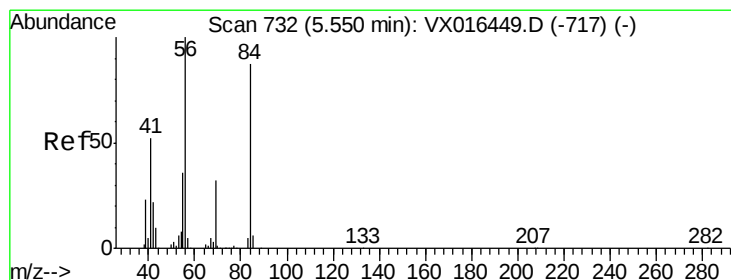
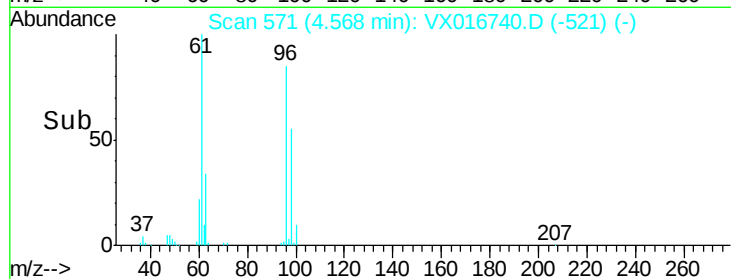
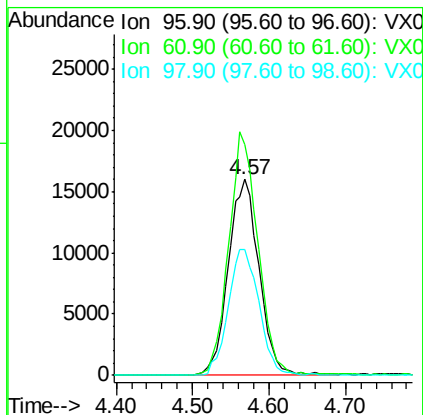
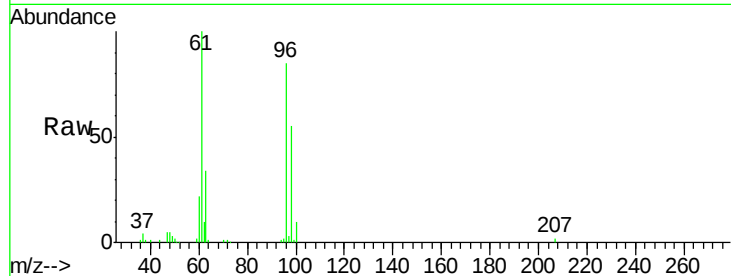


#27

cis-1,2-Dichloroethene
 Concen: 16.112 ug/l
 RT: 4.57 min Scan# 571
 Delta R.T. 0.01 min
 Lab File: VX016740.D
 Acq: 12 Jun 2020 19:42

Instrument :
 MSVOA_X
 ClientSampled :

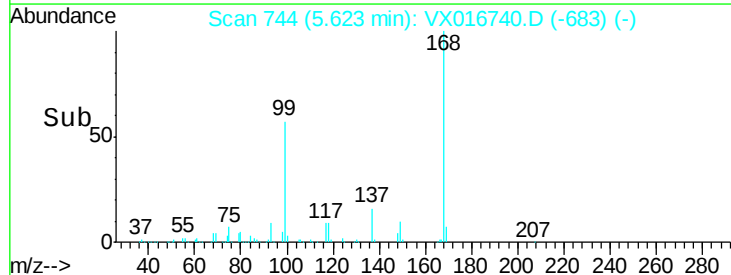
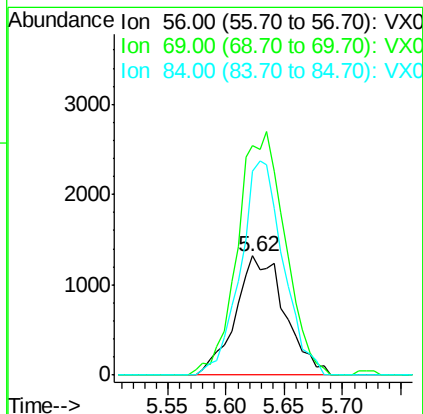
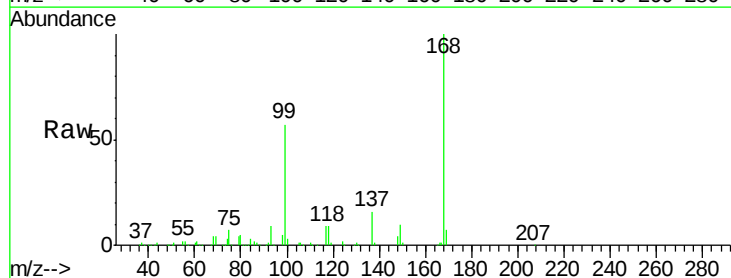
Tot Ion	96	Resp	44395
Ion	Ratio	Lower	Upper
96	100		
61	117.8	0.0	284.6
98	64.3	0.0	127.2

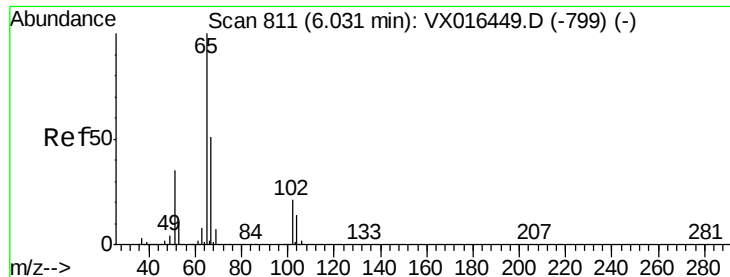


#31

Cyclohexane
 Concen: 1.002 ug/l
 RT: 5.62 min Scan# 744
 Delta R.T. 0.07 min
 Lab File: VX016740.D
 Acq: 12 Jun 2020 19:42

Tgt Ion	56	Resp	3871
Ion	Ratio	Lower	Upper
56	100		
69	192.3	25.7	38.5#
84	170.9	70.0	105.0#

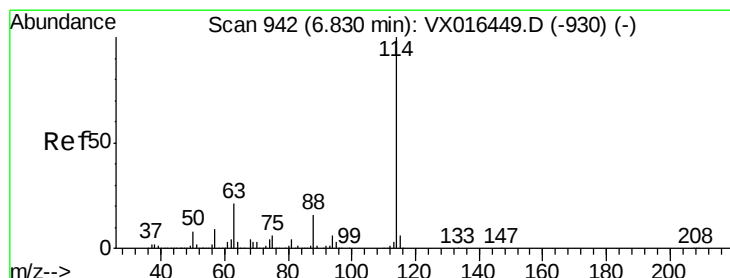
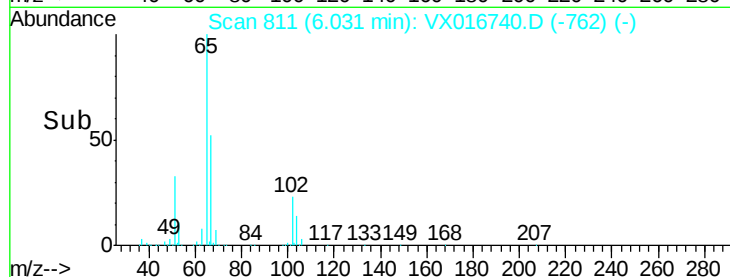
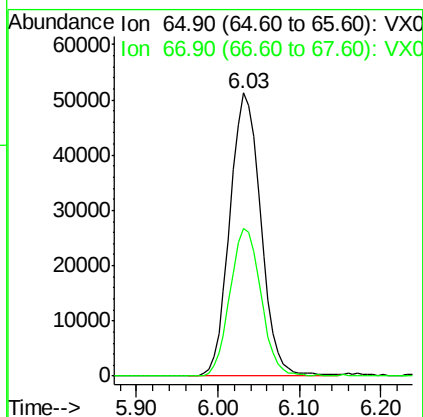
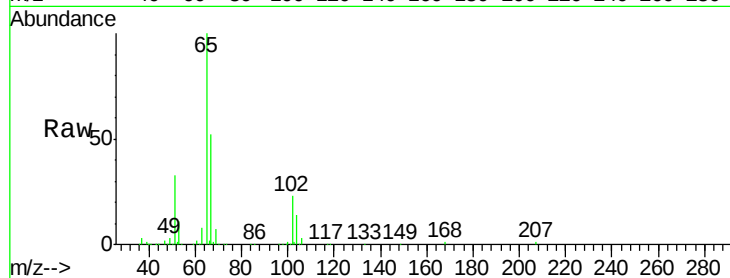




#33
 1,2-Dichloroethane-d4
 Concen: 48.505 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX016740.D
 Acq: 12 Jun 2020 19:42

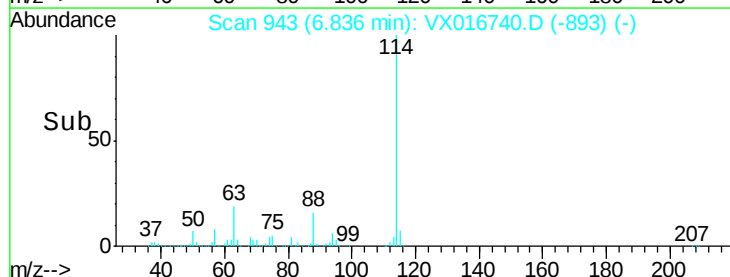
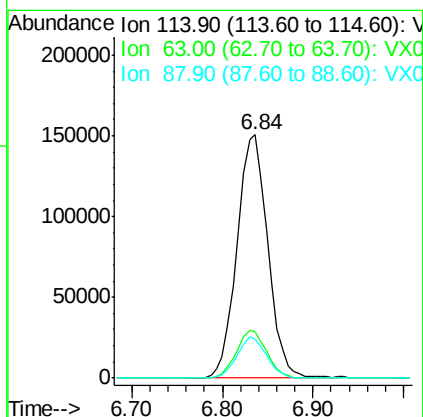
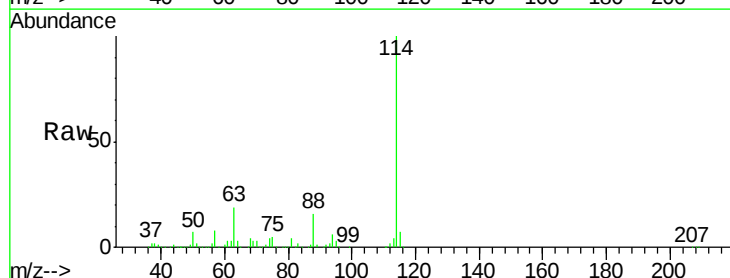
Instrument :
 MSVOA_X
 ClientSampleId :

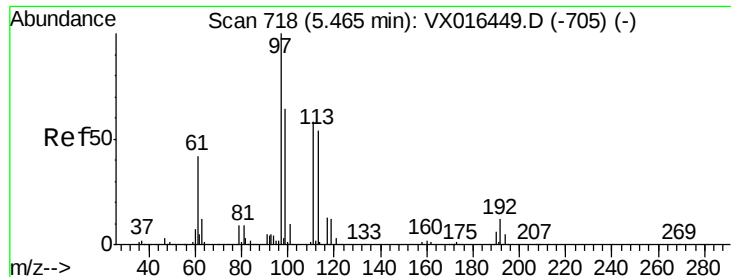
Tot Ion: 65 Resp: 134799
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 943
 Delta R.T. 0.01 min
 Lab File: VX016740.D
 Acq: 12 Jun 2020 19:42

Tgt Ion: 114 Resp: 354882
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 42.6
 88 16.0 0.0 32.8





#35

Dibromofluoromethane

Concen: 51.266 ug/l

RT: 5.47 min Scan# 719

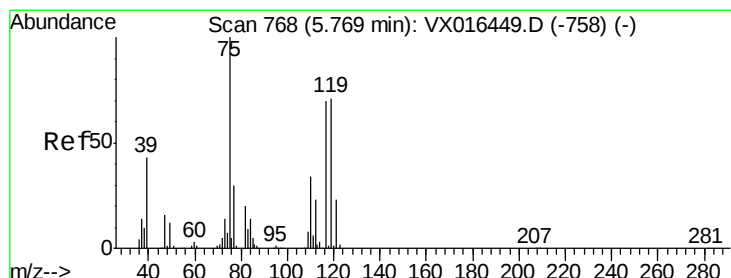
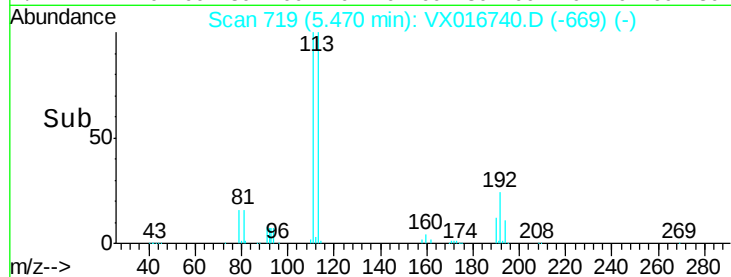
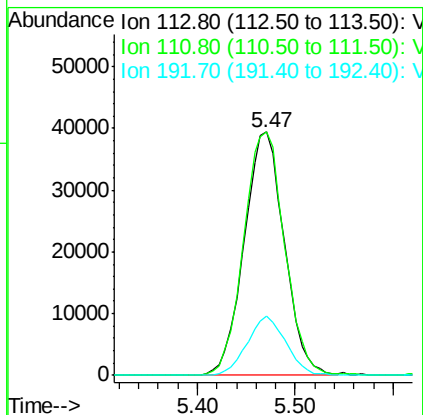
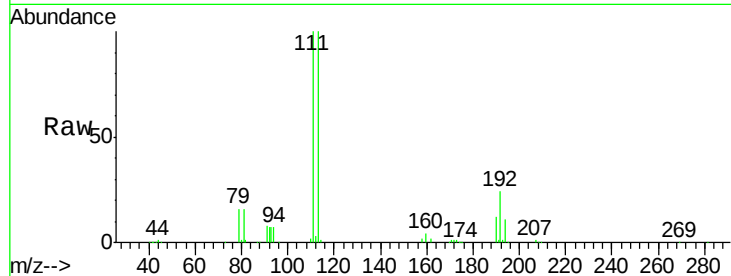
Delta R.T. 0.01 min

Lab File: VX016740.D

Acq: 12 Jun 2020 19:42

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:113 Resp: 112024
Ion Ratio Lower Upper
113 100
111 102.3 83.0 124.6
192 23.5 17.7 26.5



#36

1,1-Dichloropropene

Concen: 4.597 ug/l

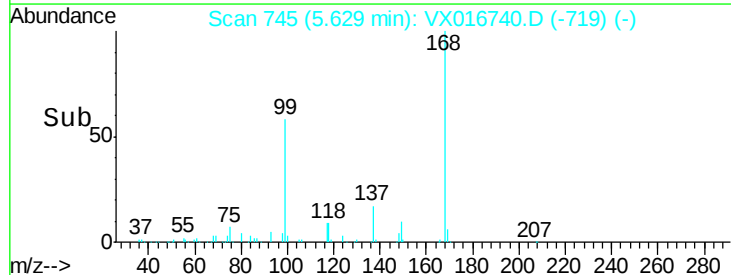
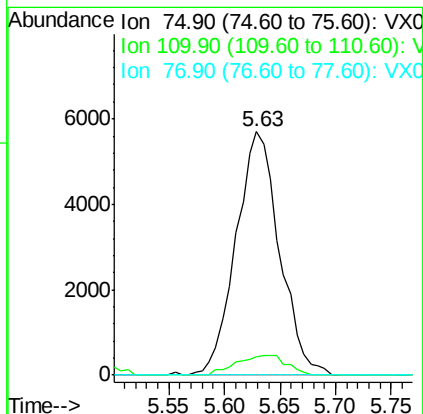
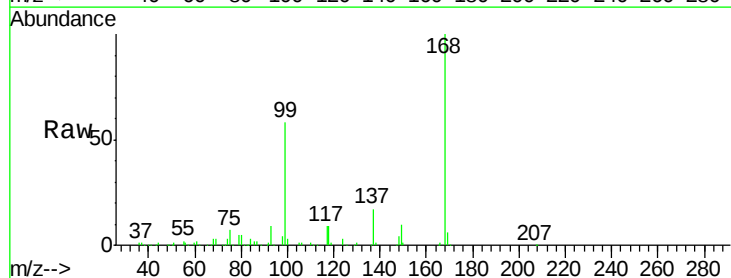
RT: 5.63 min Scan# 745

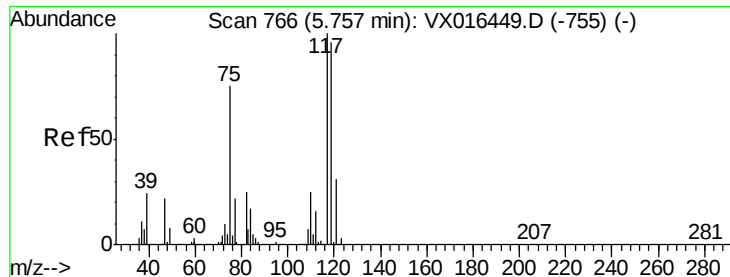
Delta R.T. -0.14 min

Lab File: VX016740.D

Acq: 12 Jun 2020 19:42

Tgt Ion: 75 Resp: 15445
Ion Ratio Lower Upper
75 100
110 9.5 17.4 52.3#
77 0.0 24.2 36.4#





#38

Carbon Tetrachloride

Concen: 6.054 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX016740.D

Acq: 12 Jun 2020 19:42

Instrument :

MSVOA_X

ClientSampleId :

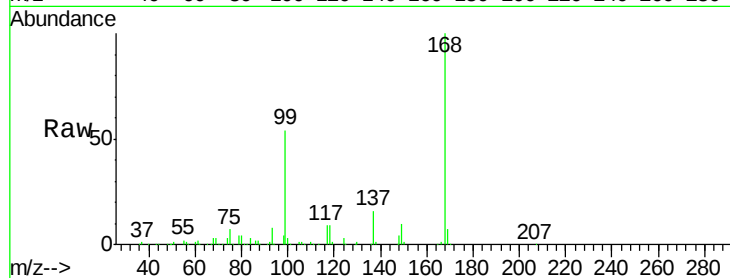
Tot Ion:117 Resp: 21377

Ion Ratio Lower Upper

117 100

119 5.5 76.3 114.5#

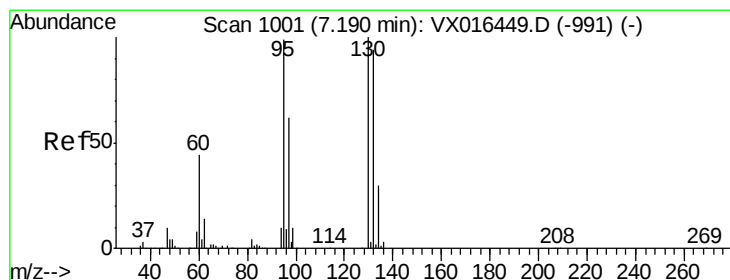
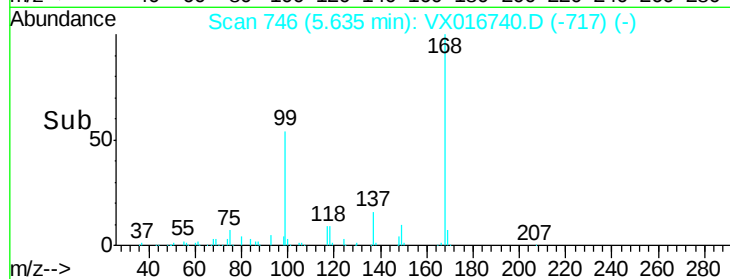
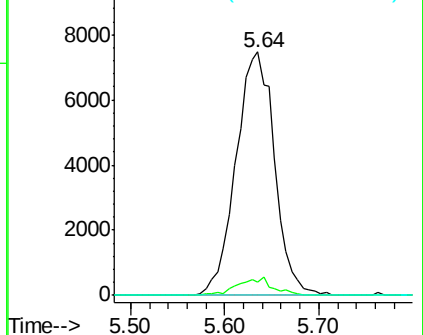
121 0.0 24.6 37.0#



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



#44

Trichloroethene

Concen: 9.572 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VX016740.D

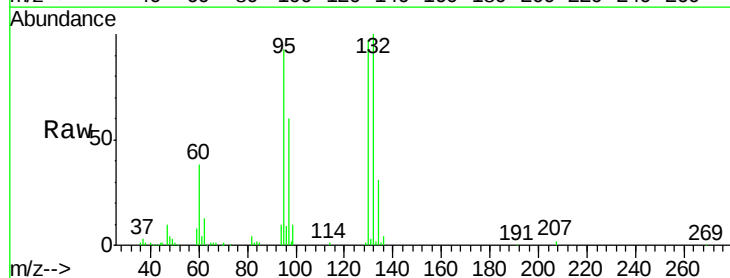
Acq: 12 Jun 2020 19:42

Tgt Ion:130 Resp: 30387

Ion Ratio Lower Upper

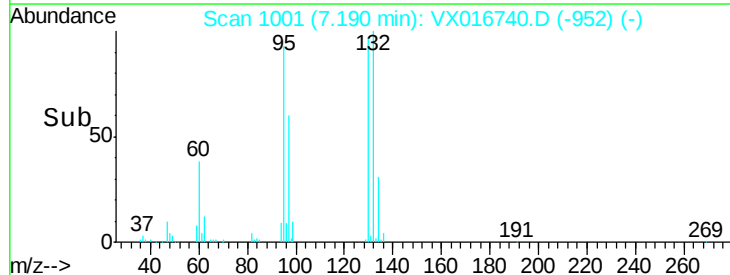
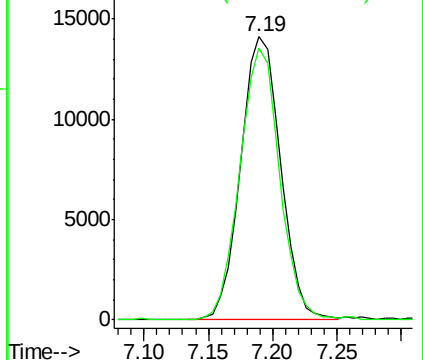
130 100

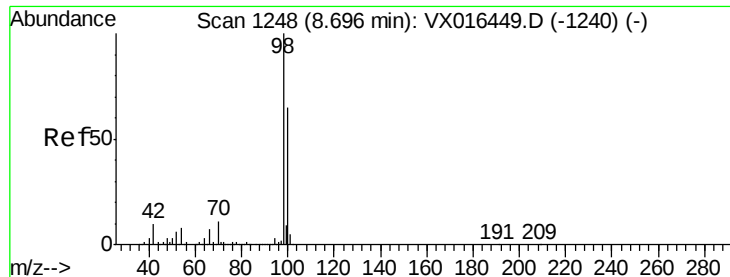
95 96.1 0.0 198.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#50

Toluene-d8

Concen: 51.468 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016740.D

Acq: 12 Jun 2020 19:42

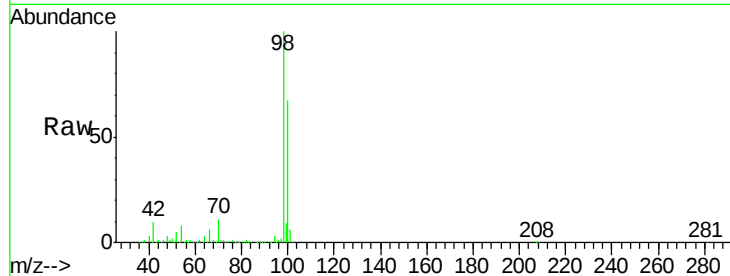
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 98 Resp: 437739

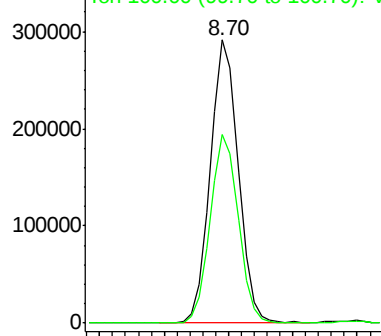
Ion Ratio Lower Upper

98 100

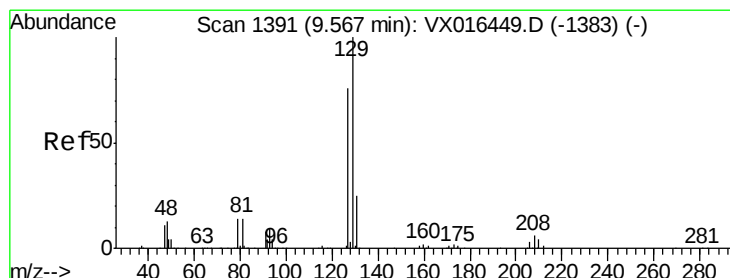
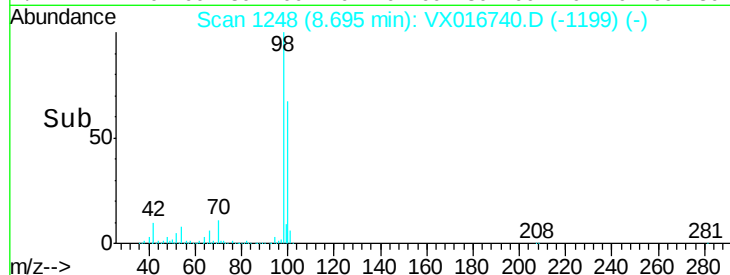
100 66.8 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VX016740.D (-1199) (-)



Time--> 8.60 8.65 8.70 8.75 8.80



#60

Dibromochloromethane

Concen: 9.788 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. -0.25 min

Lab File: VX016740.D

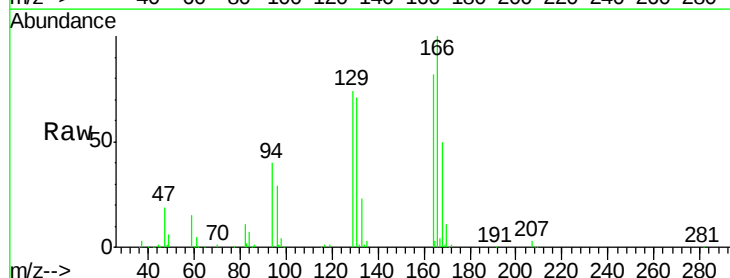
Acq: 12 Jun 2020 19:42

Tgt Ion: 129 Resp: 27633

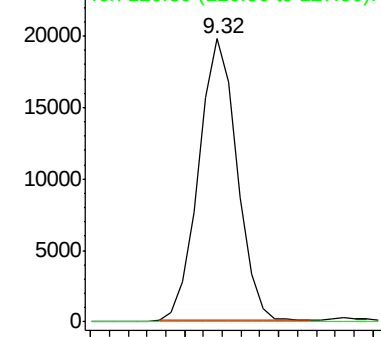
Ion Ratio Lower Upper

129 100

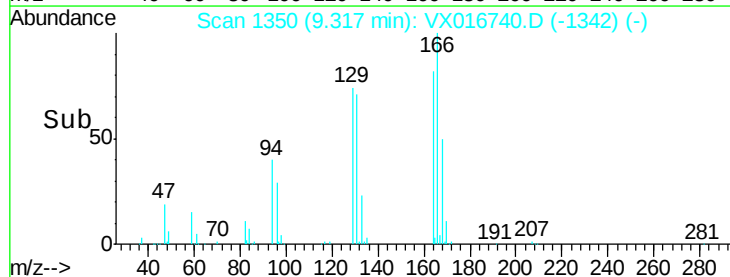
127 0.0 38.6 116.0#

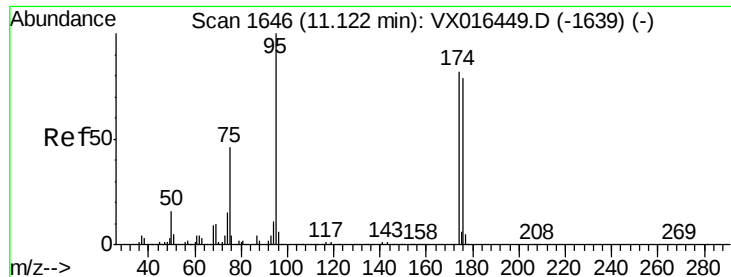


Abundance Ion 128.80 (128.50 to 129.50): VX016740.D (-1342) (-)



Time--> 9.25 9.30 9.35





#62

4-Bromofluorobenzene

Concen: 53.833 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016740.D

Acq: 12 Jun 2020 19:42

Instrument :

MSVOA_X

ClientSampleId :

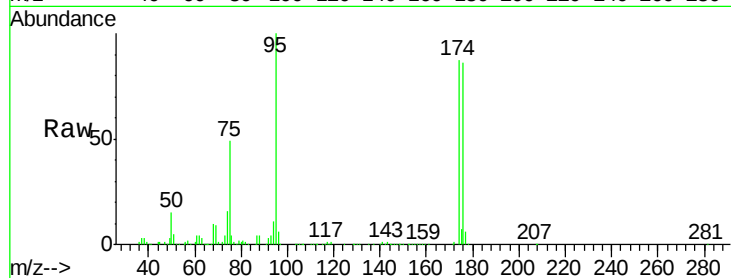
Tot Ion: 95 Resp: 176916

Ion Ratio Lower Upper

95 100

174 87.3 0.0 163.0

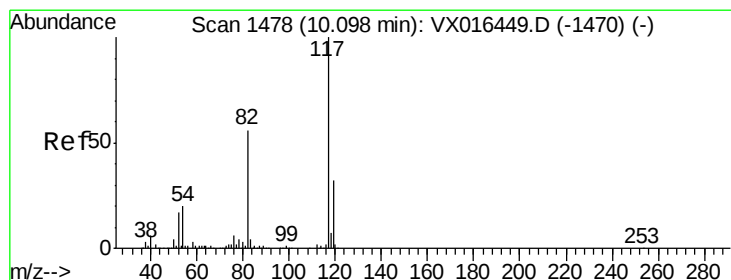
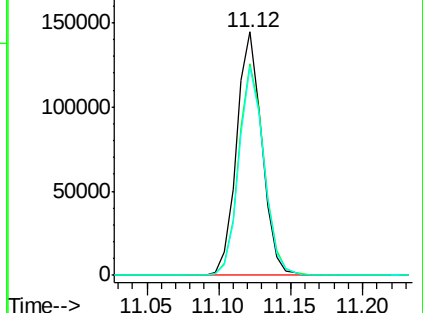
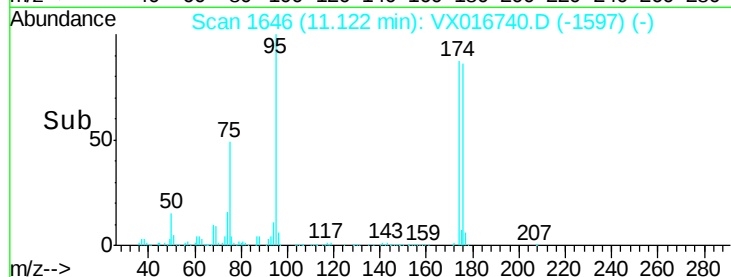
176 84.6 0.0 156.8



Abundance Ion 94.90 (94.60 to 95.60): VX016740.D (-1597) (-)

Ion 173.80 (173.50 to 174.50): VX016740.D (-1597) (-)

Ion 175.80 (175.50 to 176.50): VX016740.D (-1597) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX016740.D

Acq: 12 Jun 2020 19:42

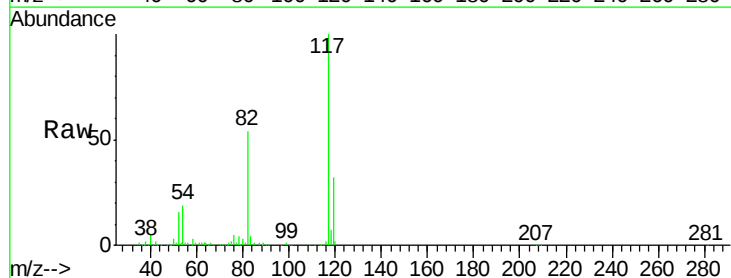
Tgt Ion: 117 Resp: 368693

Ion Ratio Lower Upper

117 100

82 53.5 45.0 67.6

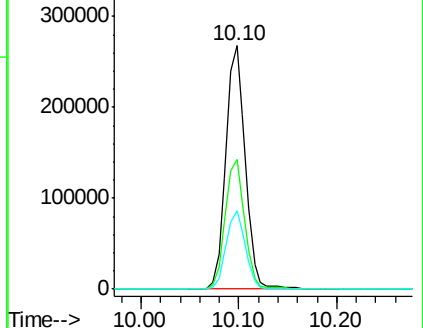
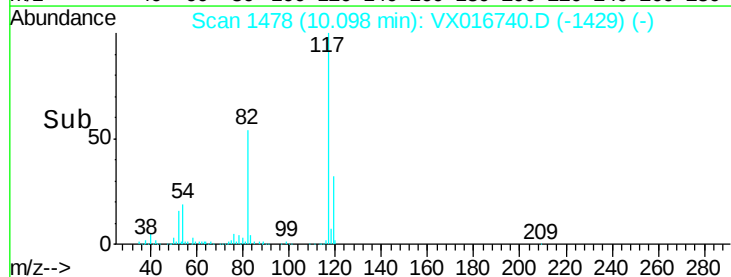
119 32.5 25.8 38.8

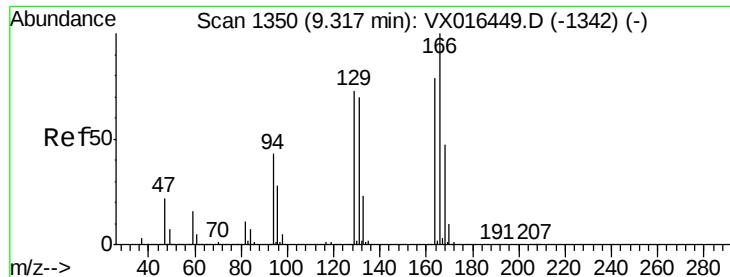


Abundance Ion 116.90 (116.60 to 117.60): VX016740.D (-1429) (-)

Ion 82.00 (81.70 to 82.70): VX016740.D (-1429) (-)

Ion 118.90 (118.60 to 119.60): VX016740.D (-1429) (-)





#64

Tetrachloroethene

Concen: 7.586 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. -0.00 min

Lab File: VX016740.D

Acq: 12 Jun 2020 19:42

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:164 Resp: 31291

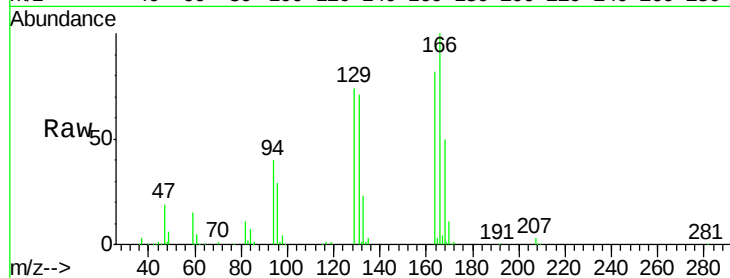
Ion Ratio Lower Upper

164 100

166 121.6 100.9 151.3

129 89.7 73.2 109.8

131 86.0 70.8 106.2



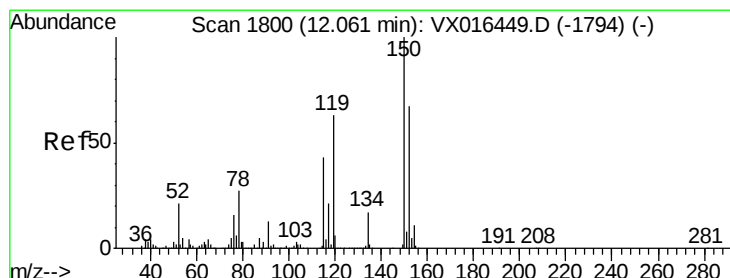
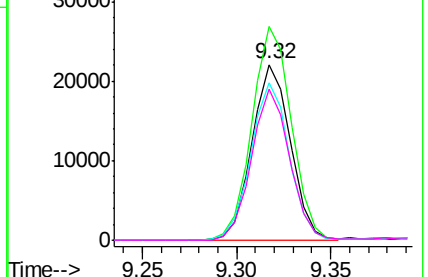
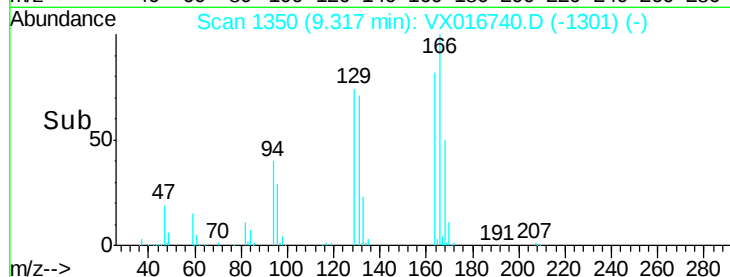
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016740.D

Acq: 12 Jun 2020 19:42

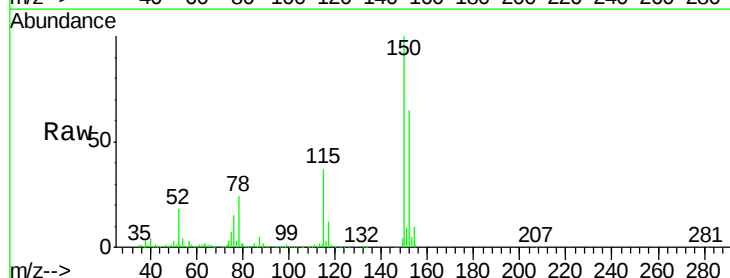
Tgt Ion:152 Resp: 193718

Ion Ratio Lower Upper

152 100

115 57.4 39.9 119.6

150 155.0 0.0 341.0

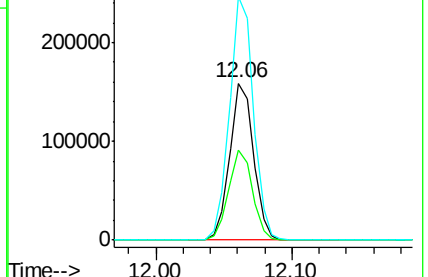
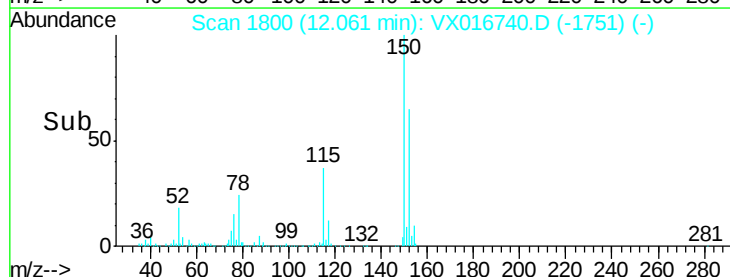


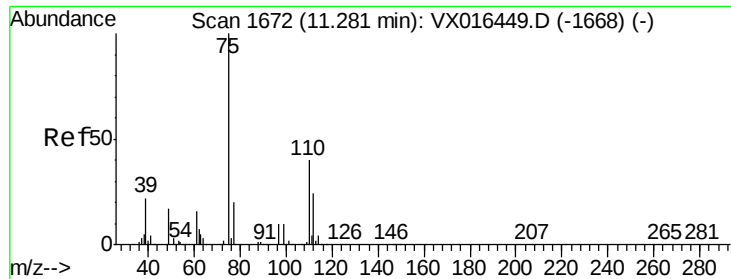
Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

Time-->

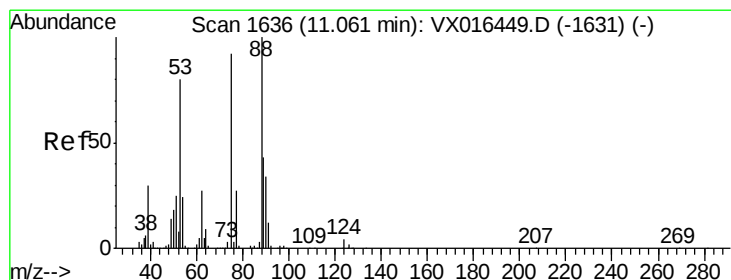
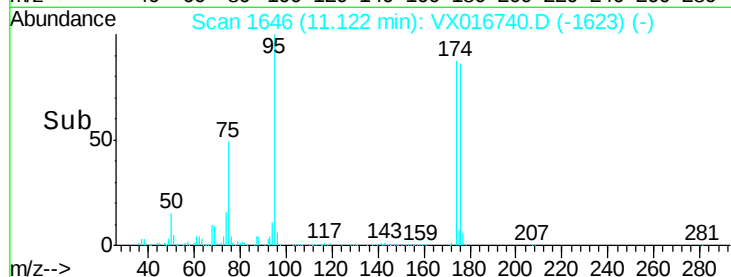
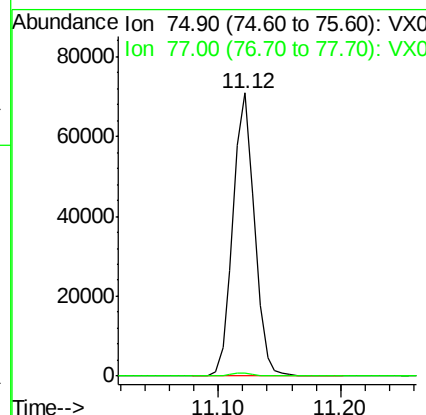
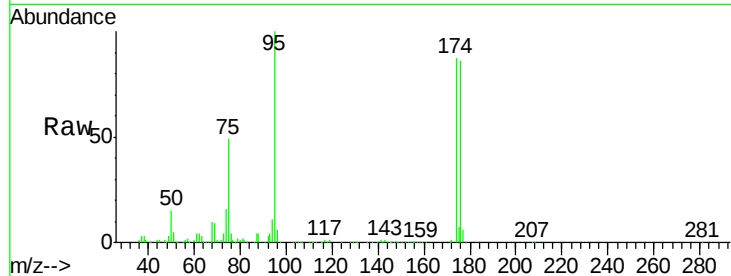




#76
 1,2,3-Trichloropropane
 Concen: 20.154 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. -0.16 min
 Lab File: VX016740.D
 Acq: 12 Jun 2020 19:42

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 85817
 Ion Ratio Lower Upper
 75 100
 77 1.3 21.3 63.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 49.576 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.06 min
 Lab File: VX016740.D
 Acq: 12 Jun 2020 19:42

Tgt Ion: 75 Resp: 85817
 Ion Ratio Lower Upper
 75 100
 53 0.2 71.3 106.9#
 89 0.2 36.6 55.0#

