

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051920\
 Data File : VX016340.D
 Acq On : 19 May 2020 17:18
 Operator : JC/SP
 Sample : L2663-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 1378

Quant Time: May 20 03:49:11 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	144460	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	165630	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	90801	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	23676	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	25526	13.43	ug/l	0.00
Spiked Amount			Recovery	=	26.86%	
35) Dibromofluoromethane	5.47	113	29364	27.98	ug/l	0.00
Spiked Amount			Recovery	=	55.96%	
50) Toluene-d8	8.70	98	180815	44.72	ug/l	0.00
Spiked Amount			Recovery	=	89.44%	
62) 4-Bromofluorobenzene	11.12	95	31990	20.80	ug/l	0.00
Spiked Amount			Recovery	=	41.60%	

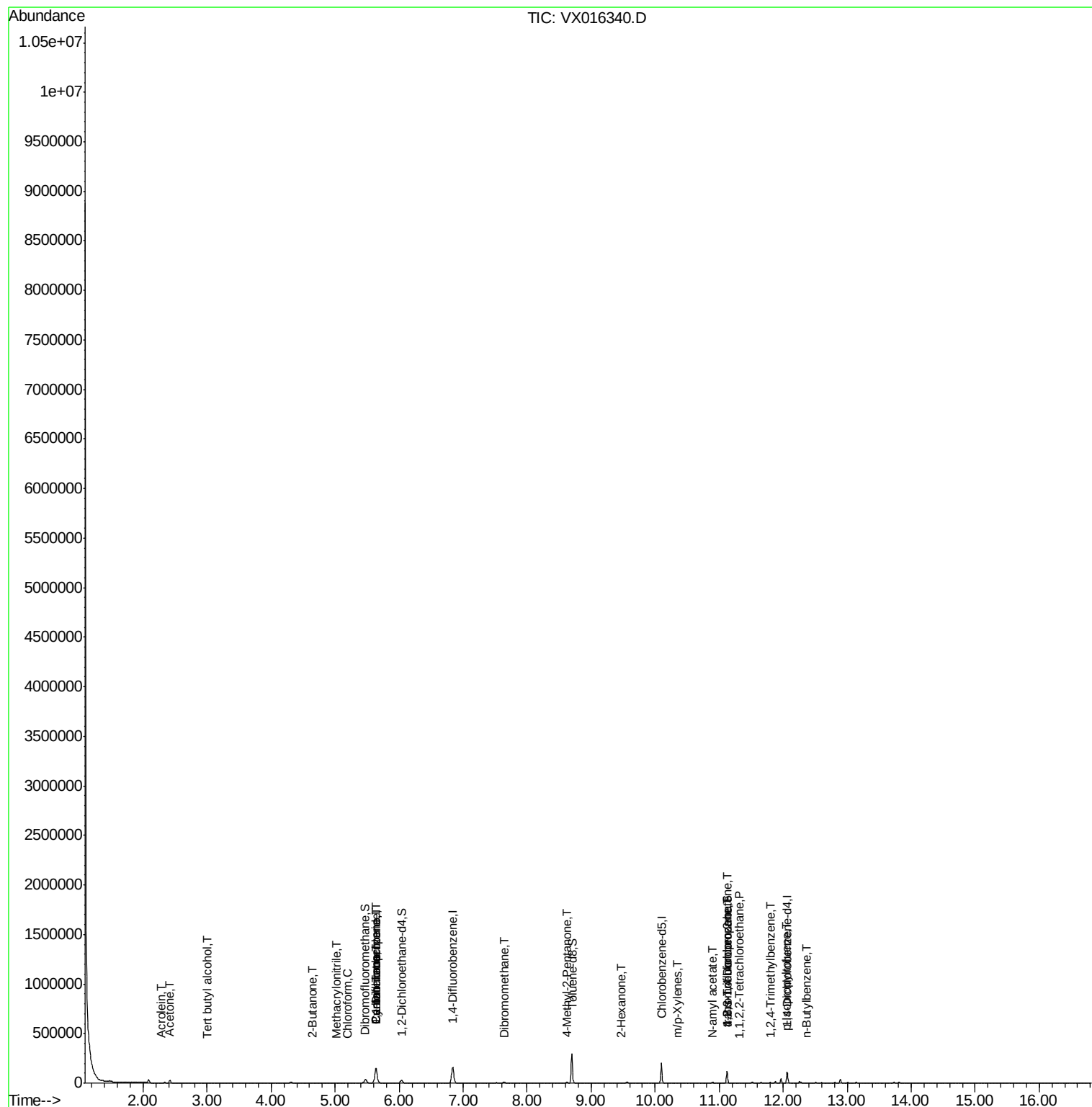
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.01	59	439	0.913	ug/l #	84
13) Acrolein	2.29	56	203	0.675	ug/l #	14
16) Acetone	2.42	43	26905	31.721	ug/l	97
17) Carbon Disulfide	2.55	76	770	Below Cal	#	74
25) 2-Butanone	4.65	43	5790	4.236	ug/l #	89
30) Chloroform	5.19	83	1103	0.381	ug/l	99
31) Cyclohexane	5.63	56	2747	1.040	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	10301	6.318	ug/l #	46
38) Carbon Tetrachloride	5.64	117	14107	8.513	ug/l #	14
41) Methacrylonitrile	5.01	41	232	0.227	ug/l #	23
46) Dibromomethane	7.63	93	339	0.413	ug/l #	81
51) 4-Methyl-2-Pentanone	8.62	43	6017	3.261	ug/l	97
59) 2-Hexanone	9.48	43	1879	1.297	ug/l	85
68) m/p-Xylenes	10.34	106	307	0.242	ug/l	83
74) N-amyl acetate	10.89	43	1275	1.587	ug/l #	19
75) 1,1,2,2-Tetrachloroethane	11.31	83	22	2.117	ug/l #	26
76) 1,2,3-Trichloropropane	11.12	75	15664	29.155	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	15664	69.479	ug/l #	13
84) 1,2,4-Trimethylbenzene	11.79	105	526	0.358	ug/l	83
86) p-Isopropyltoluene	12.05	119	351	0.223	ug/l #	14
89) n-Butylbenzene	12.38	91	361	0.252	ug/l #	55

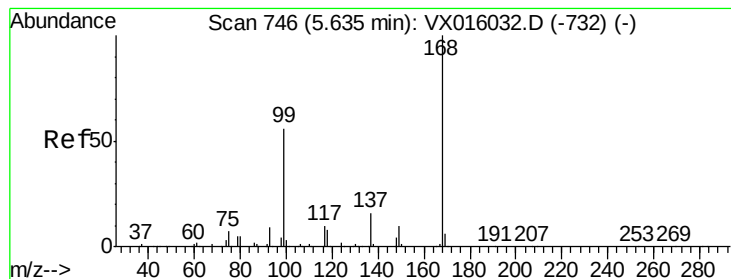
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 747

Delta R.T. 0.01 min

Lab File: VX016340.D

Acq: 19 May 2020 17:18

Instrument :

MSVOA_X

ClientSampleId :

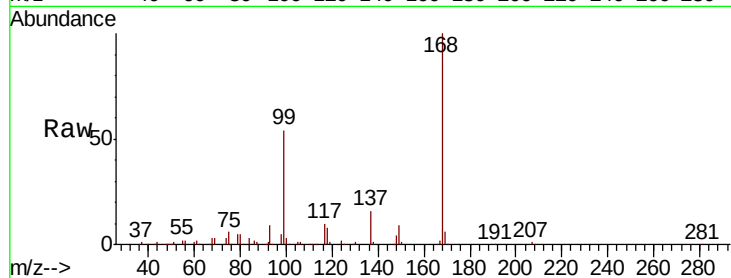
1378

Tot Ion:168 Resp: 144460

Ion Ratio Lower Upper

168 100

99 53.5 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

60000

50000

40000

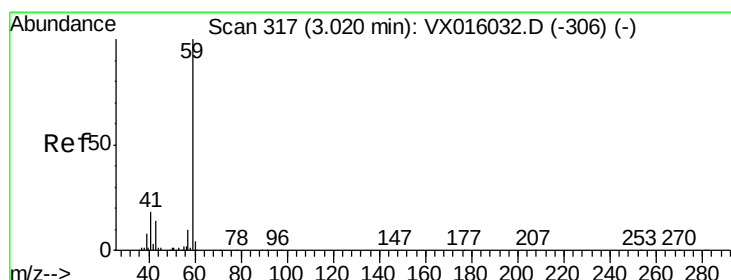
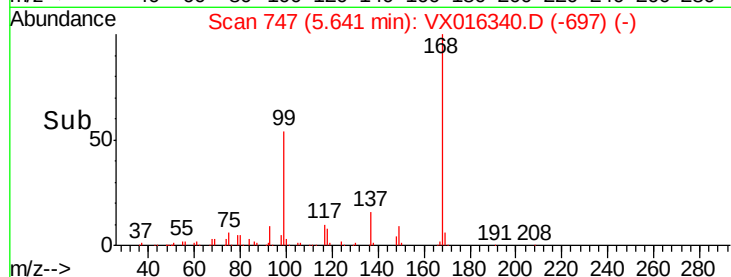
30000

20000

10000

0

Time-->



#11

Tert butyl alcohol

Concen: 0.913 ug/l

RT: 3.01 min Scan# 315

Delta R.T. -0.01 min

Lab File: VX016340.D

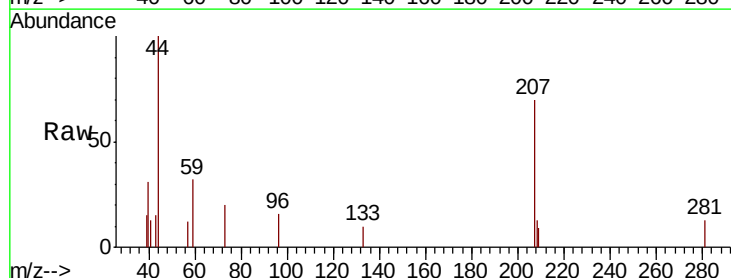
Acq: 19 May 2020 17:18

Tgt Ion: 59 Resp: 439

Ion Ratio Lower Upper

59 100

57 16.4 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.01

200

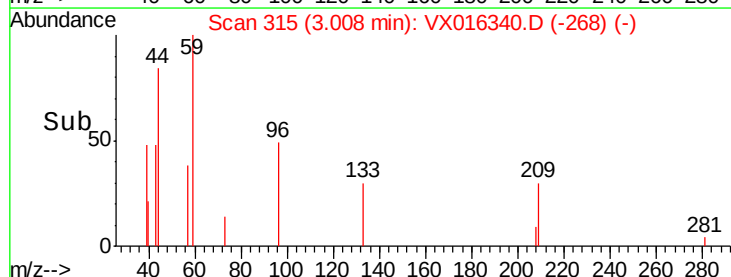
150

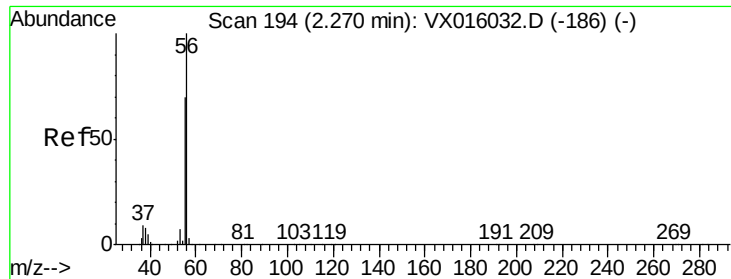
100

50

0

Time-->

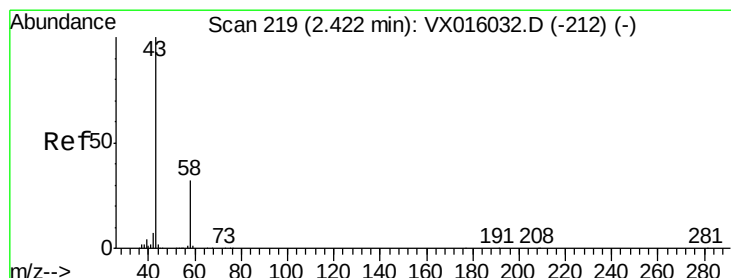
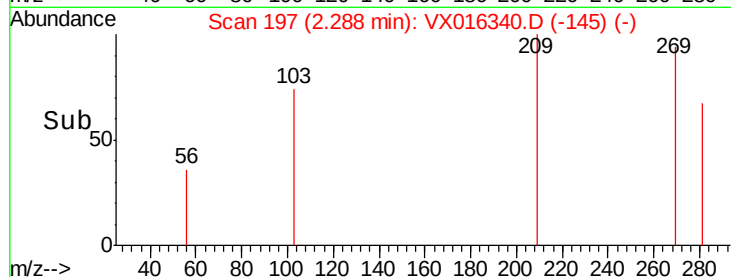
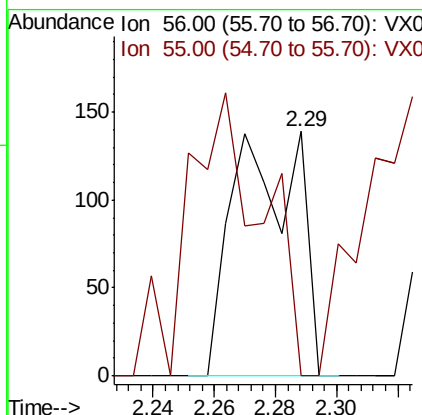
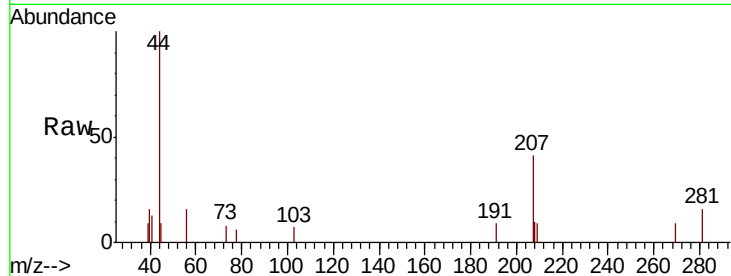




#13
Acrolein
Concen: 0.675 ug/l
RT: 2.29 min Scan# 197
Delta R.T. 0.02 min
Lab File: VX016340.D
Acq: 19 May 2020 17:18

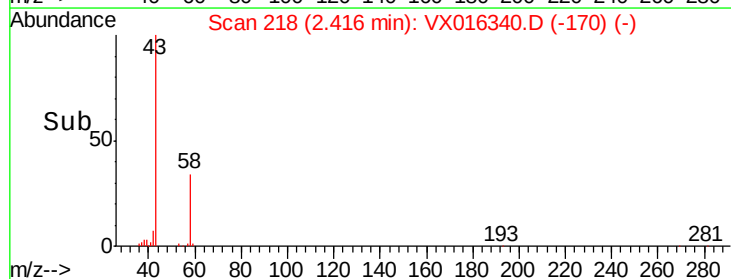
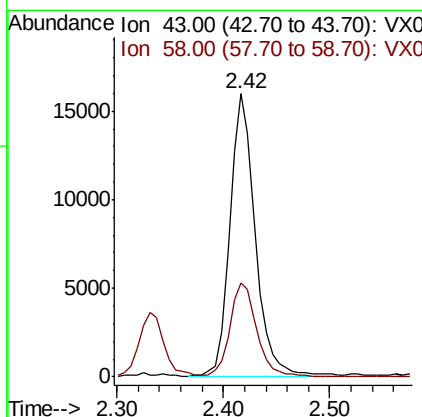
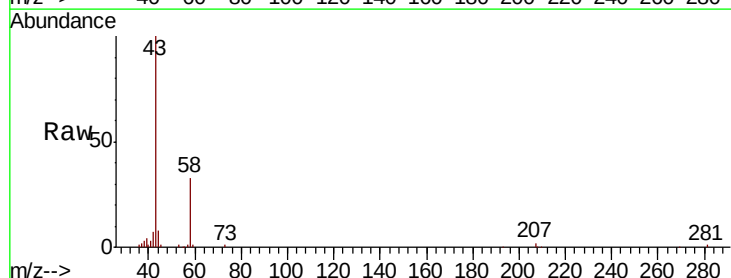
Instrument :
MSVOA_X
ClientSampleId :
1378

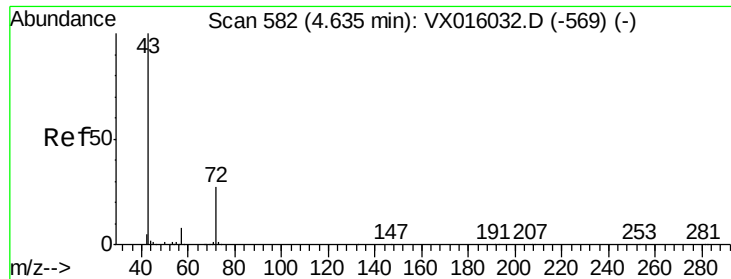
Tot Ion: 56 Resp: 203
Ion Ratio Lower Upper
56 100
55 0.0 56.5 84.7#



#16
Acetone
Concen: 31.721 ug/l
RT: 2.42 min Scan# 218
Delta R.T. -0.01 min
Lab File: VX016340.D
Acq: 19 May 2020 17:18

Tgt Ion: 43 Resp: 26905
Ion Ratio Lower Upper
43 100
58 33.4 25.4 38.0

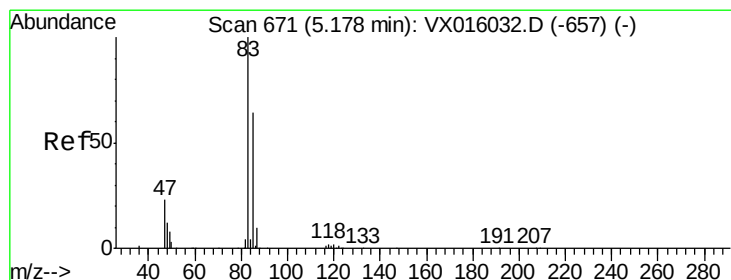
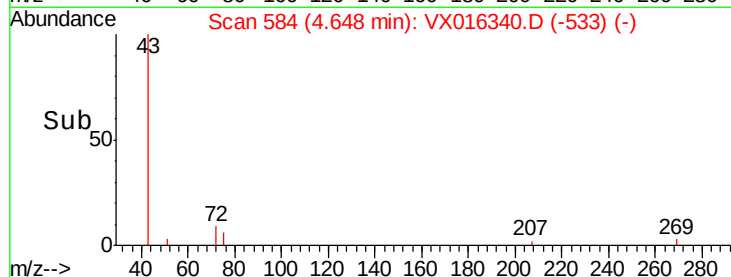
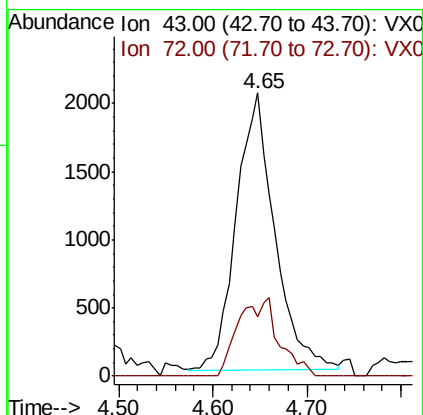
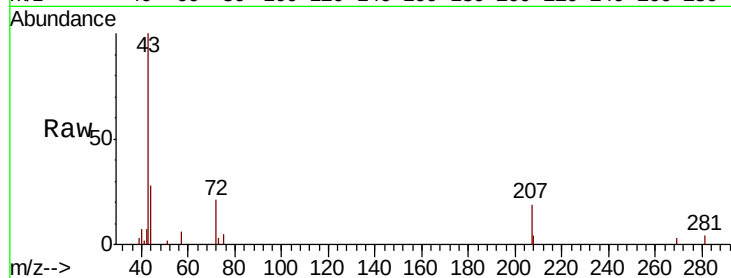




#25
2-Butanone
Concen: 4.236 ug/l
RT: 4.65 min Scan# 584
Delta R.T. 0.01 min
Lab File: VX016340.D
Acq: 19 May 2020 17:18

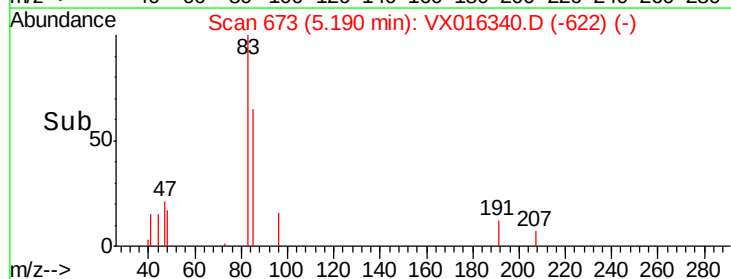
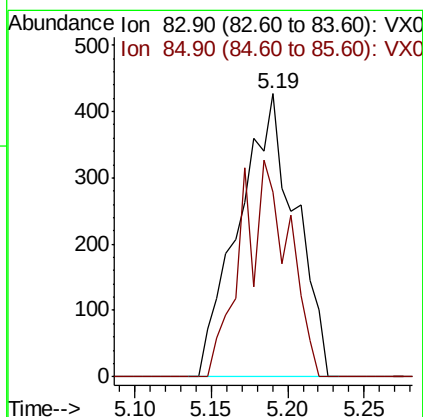
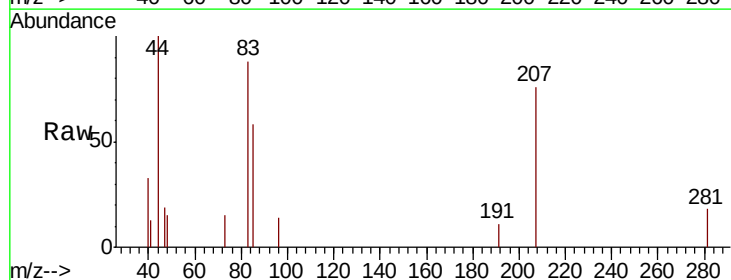
Instrument :
MSVOA_X
ClientSampleId :
1378

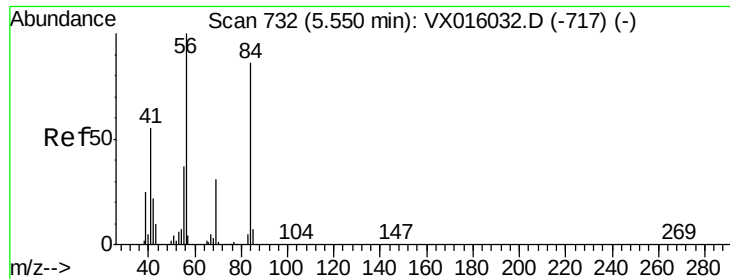
Tot Ion: 43 Resp: 5790
Ion Ratio Lower Upper
43 100
72 21.6 21.8 32.8#



#30
Chloroform
Concen: 0.381 ug/l
RT: 5.19 min Scan# 673
Delta R.T. 0.01 min
Lab File: VX016340.D
Acq: 19 May 2020 17:18

Tgt Ion: 83 Resp: 1103
Ion Ratio Lower Upper
83 100
85 65.1 51.6 77.4

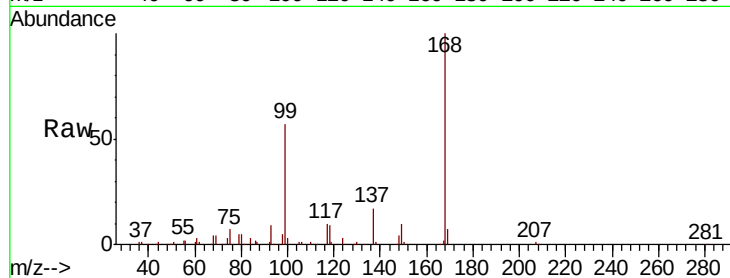




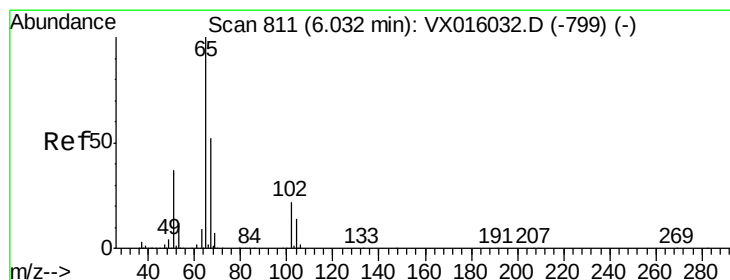
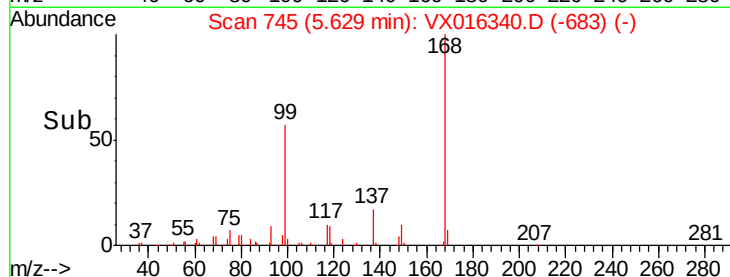
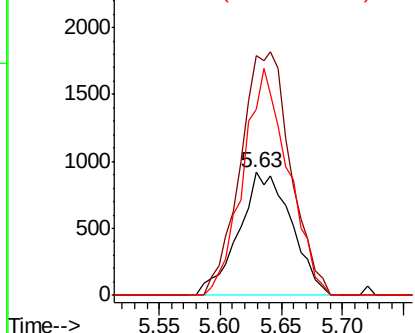
#31
Cyclohexane
Concen: 1.040 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX016340.D
Acq: 19 May 2020 17:18

Instrument :
MSVOA_X
ClientSampled :
1378

Tot Ion: 56 Resp: 2747
Ion Ratio Lower Upper
56 100
69 194.3 25.0 37.6#
84 151.3 69.0 103.6#

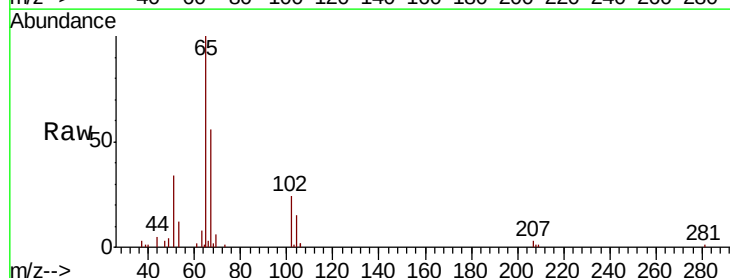


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

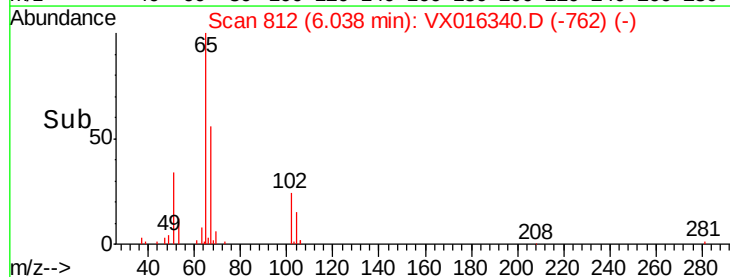
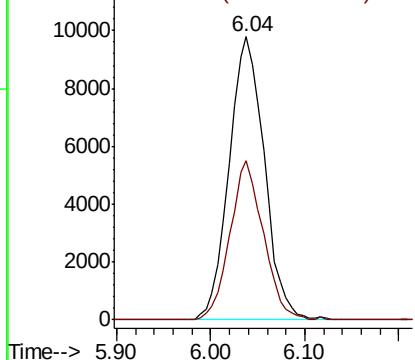


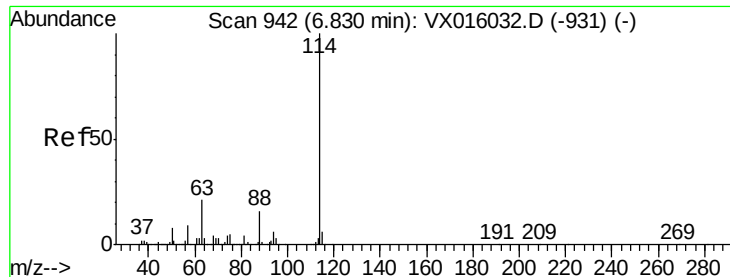
#33
1,2-Dichloroethane-d4
Concen: 13.428 ug/l
RT: 6.04 min Scan# 812
Delta R.T. 0.01 min
Lab File: VX016340.D
Acq: 19 May 2020 17:18

Tgt Ion: 65 Resp: 25526
Ion Ratio Lower Upper
65 100
67 53.2 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: VX016340.D

Acq: 19 May 2020 17:18

Instrument :

MSVOA_X

ClientSampleId :

1378

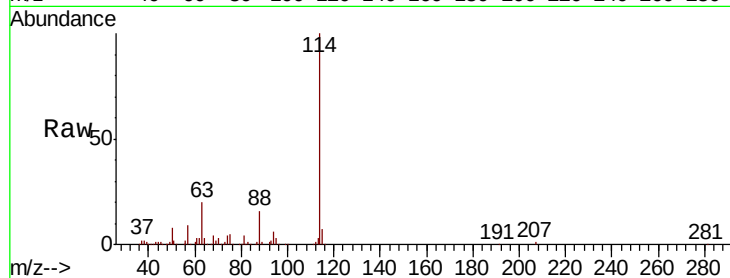
Tot Ion:114 Resp: 165630

Ion Ratio Lower Upper

114 100

63 20.4 0.0 42.8

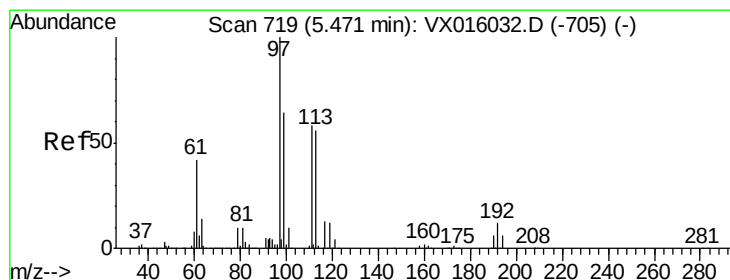
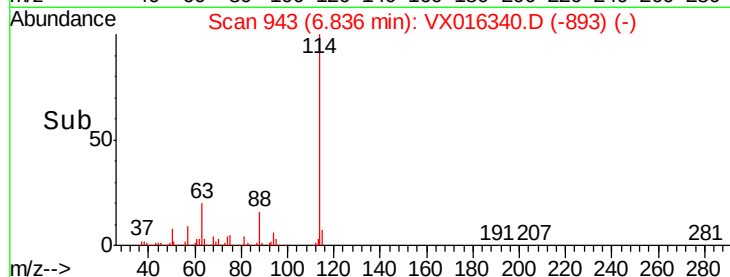
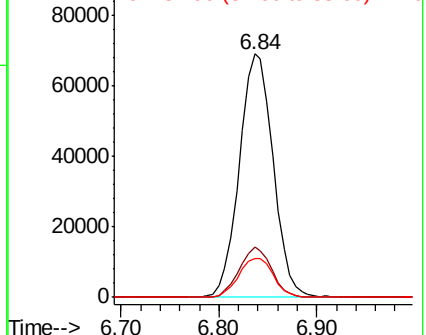
88 15.9 0.0 31.4



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



#35

Dibromofluoromethane

Concen: 27.983 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX016340.D

Acq: 19 May 2020 17:18

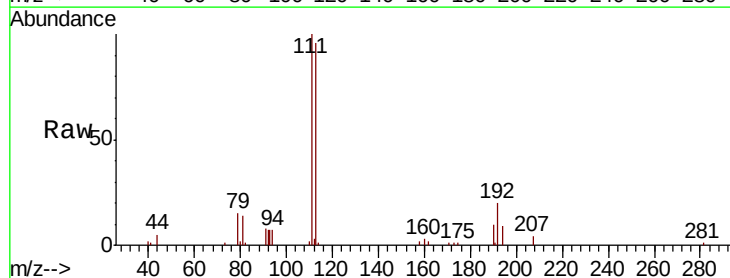
Tgt Ion:113 Resp: 29364

Ion Ratio Lower Upper

113 100

111 103.9 81.6 122.4

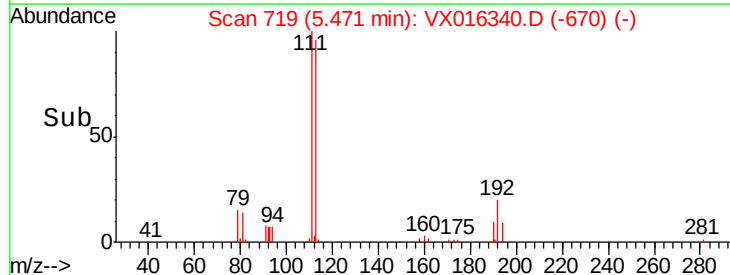
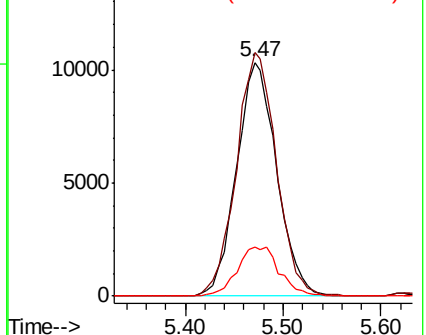
192 22.1 17.0 25.4

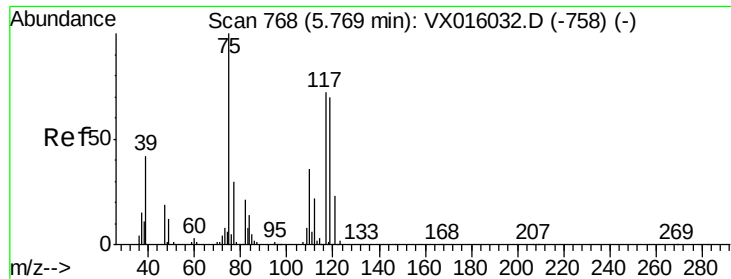


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 6.318 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.13 min

Lab File: VX016340.D

Acq: 19 May 2020 17:18

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1378

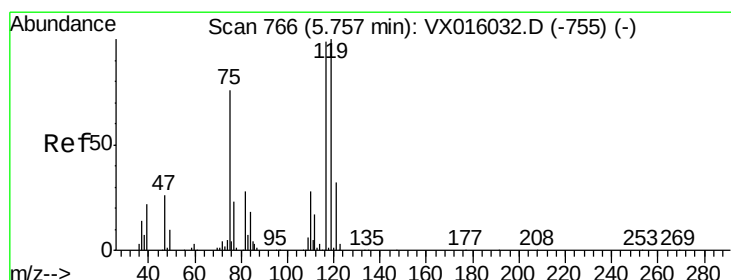
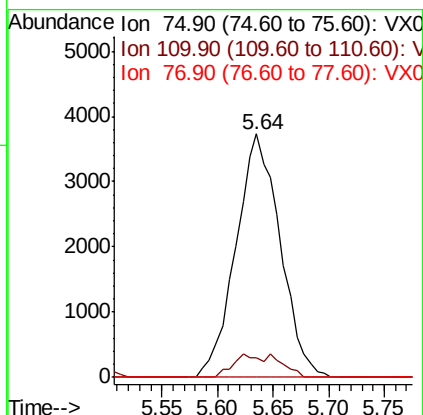
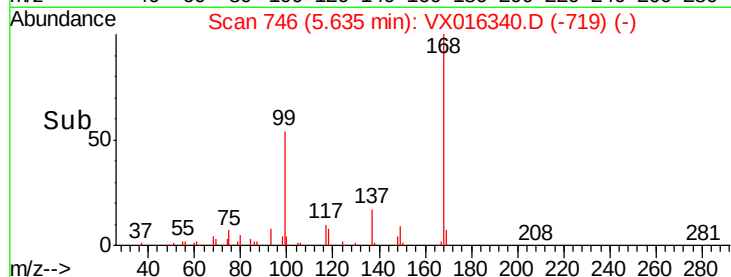
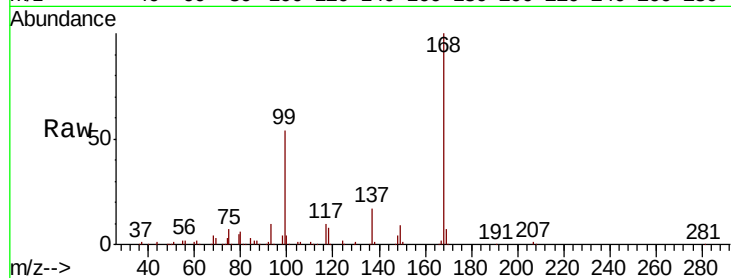
Tot Ion: 75 Resp: 10301

Ion Ratio Lower Upper

75 100

110 6.0 18.1 54.1#

77 0.0 25.0 37.6#



#38

Carbon Tetrachloride

Concen: 8.513 ug/l

RT: 5.64 min Scan# 747

Delta R.T. -0.12 min

Lab File: VX016340.D

Acq: 19 May 2020 17:18

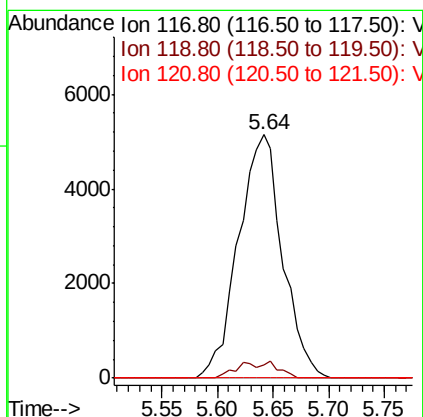
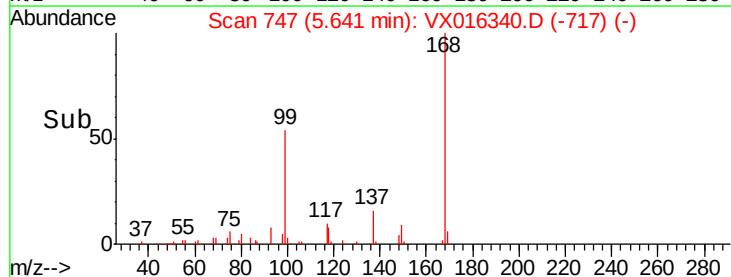
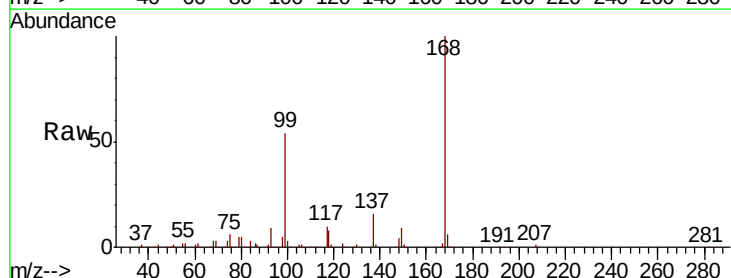
Tgt Ion: 117 Resp: 14107

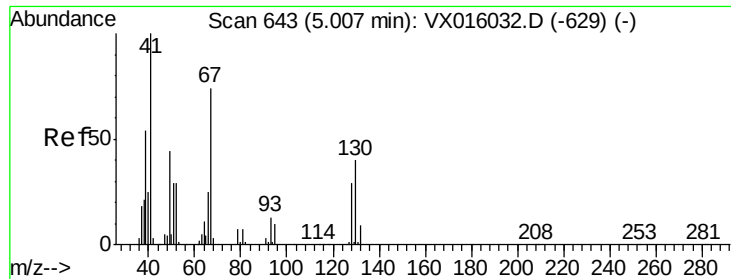
Ion Ratio Lower Upper

117 100

119 5.4 80.3 120.5#

121 0.0 25.7 38.5#

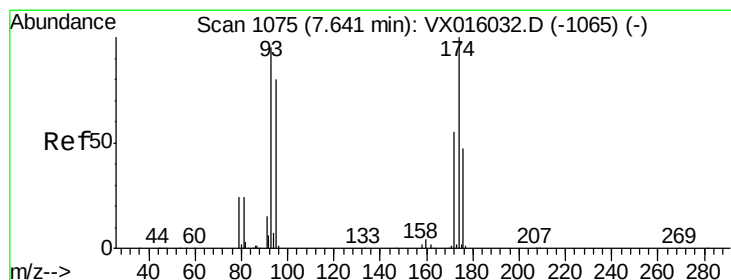
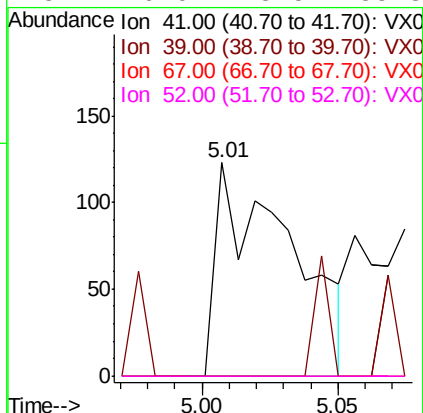
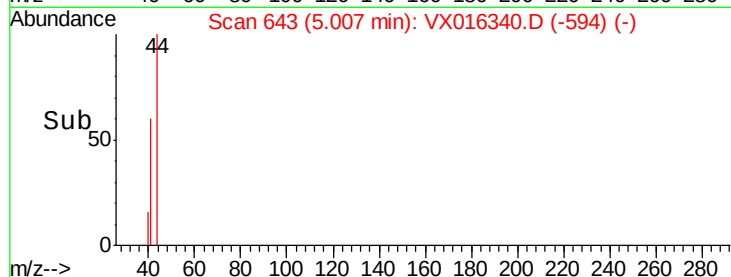
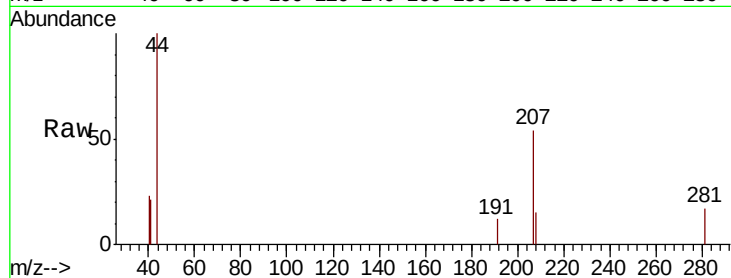




#41
Methacrylonitrile
Concen: 0.227 ug/l
RT: 5.01 min Scan# 643
Delta R.T. -0.00 min
Lab File: VX016340.D
Acq: 19 May 2020 17:18

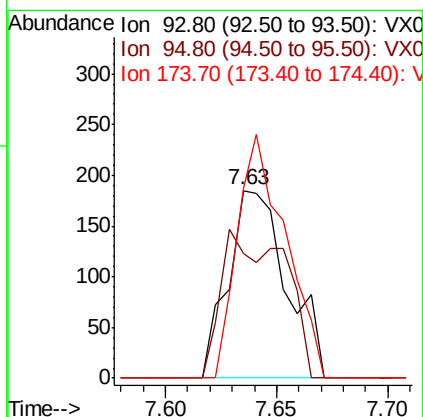
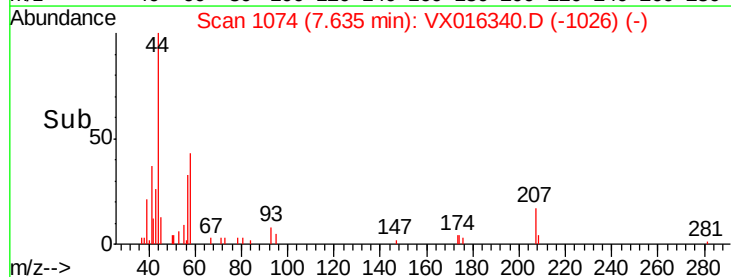
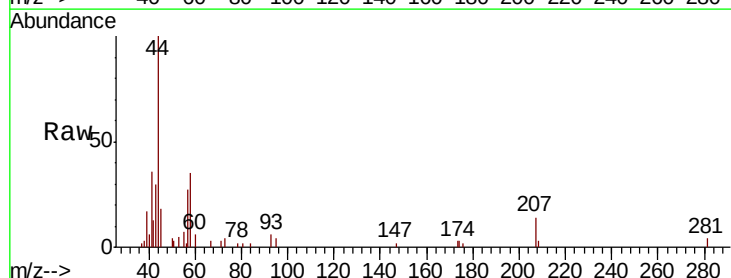
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MSVOA_X
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1378

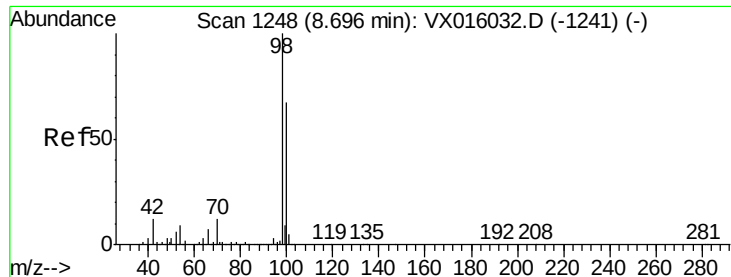
Tot Ion:	41	Resp:	232
Ion	Ratio	Lower	Upper
41	100		
39	0.0	43.2	64.8#
67	0.0	59.3	88.9#
52	0.0	23.5	35.3#



#46
Dibromomethane
Concen: 0.413 ug/l
RT: 7.63 min Scan# 1074
Delta R.T. -0.01 min
Lab File: VX016340.D
Acq: 19 May 2020 17:18

Tgt Ion:	93	Resp:	339
Ion	Ratio	Lower	Upper
93	100		
95	47.2	66.6	100.0#
174	107.1	84.2	126.4





#50

Toluene-d8

Concen: 44.721 ug/l

RT: 8.70 min Scan# 1249

Delta R.T. 0.01 min

Lab File: VX016340.D

Acq: 19 May 2020 17:18

Instrument :

MSVOA_X

ClientSampled :

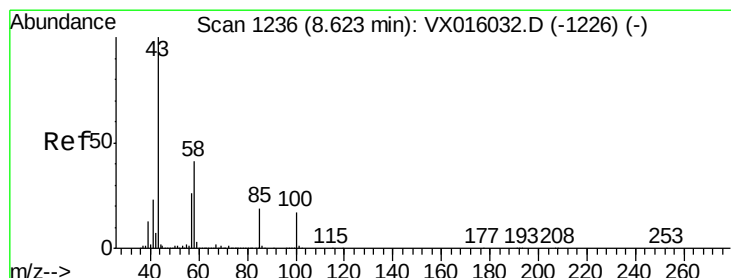
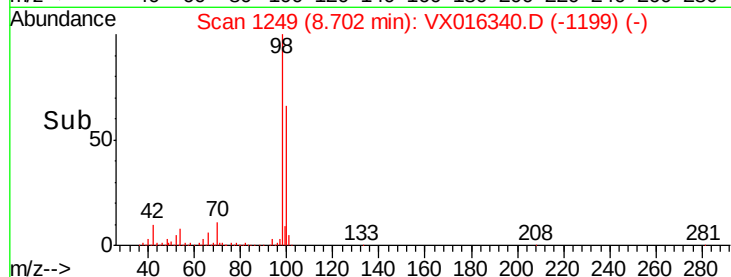
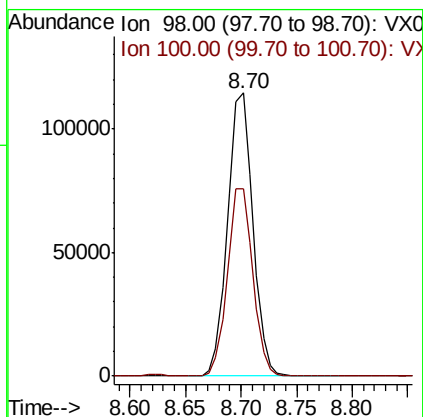
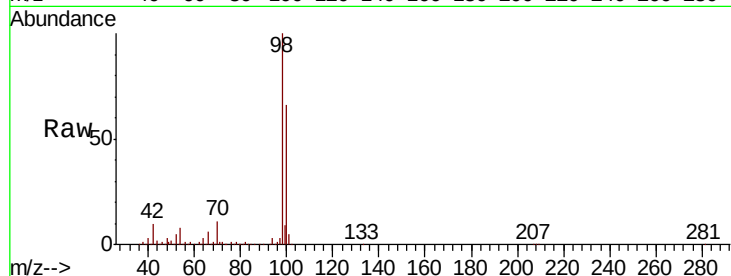
1378

Tot Ion: 98 Resp: 180815

Ion Ratio Lower Upper

98 100

100 66.5 53.7 80.5



#51

4-Methyl-2-Pentanone

Concen: 3.261 ug/l

RT: 8.62 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VX016340.D

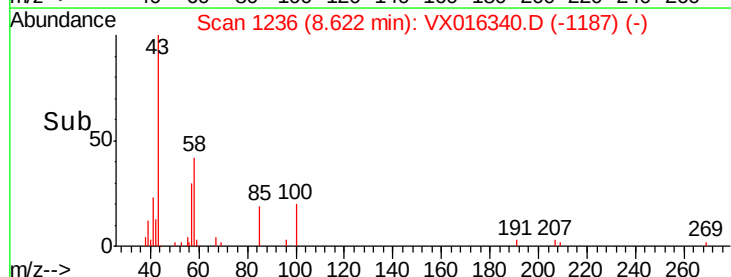
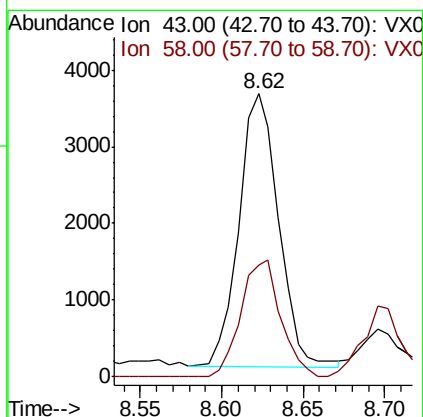
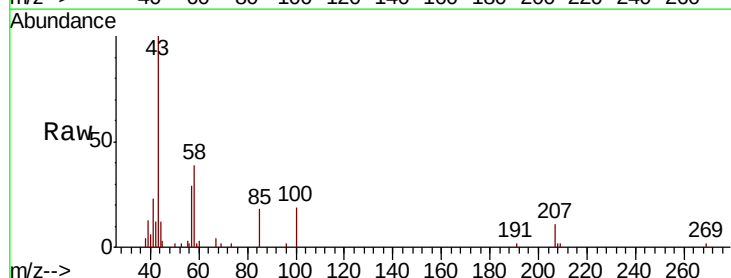
Acq: 19 May 2020 17:18

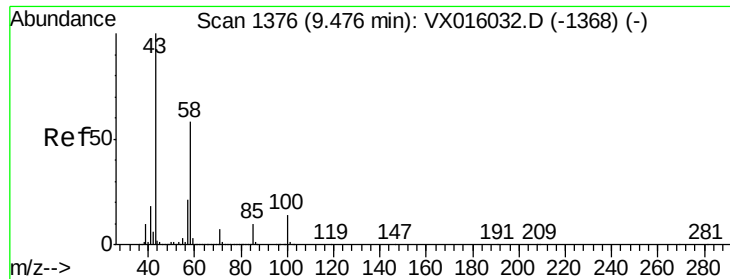
Tgt Ion: 43 Resp: 6017

Ion Ratio Lower Upper

43 100

58 43.0 33.0 49.4

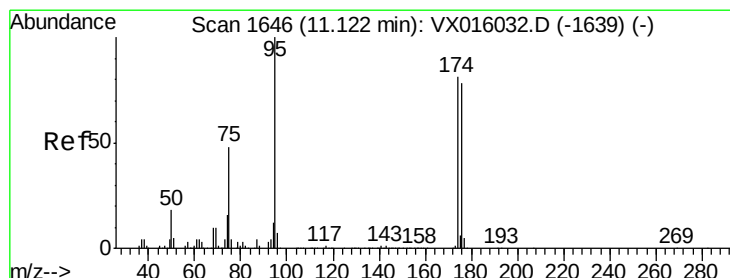
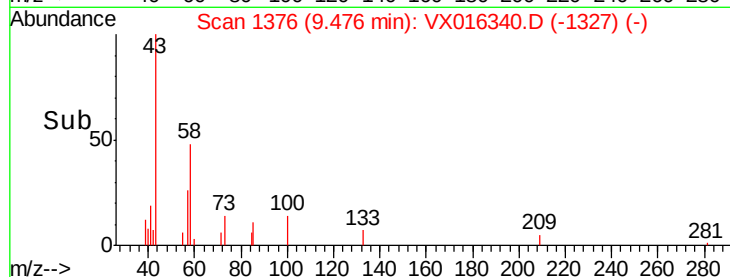
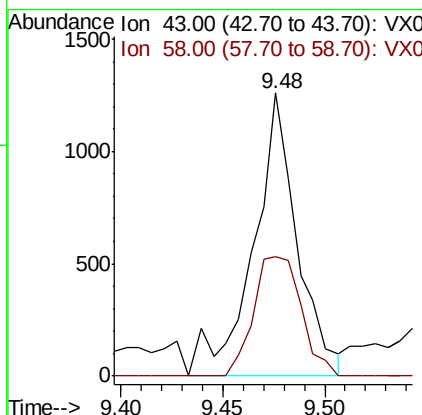
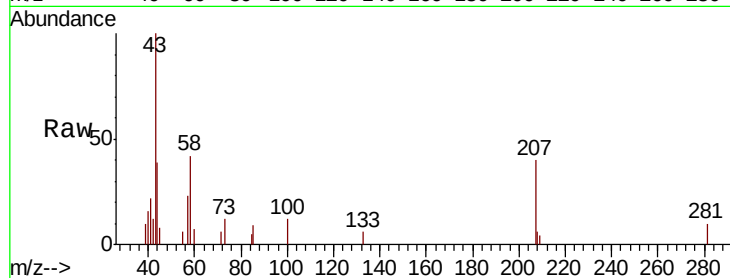




#59
2-Hexanone
Concen: 1.297 ug/l
RT: 9.48 min Scan# 1376
Delta R.T. -0.00 min
Lab File: VX016340.D
Acq: 19 May 2020 17:18

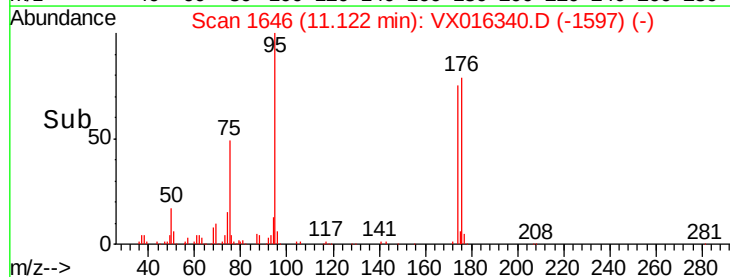
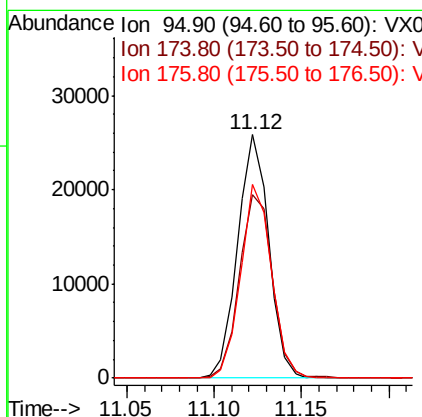
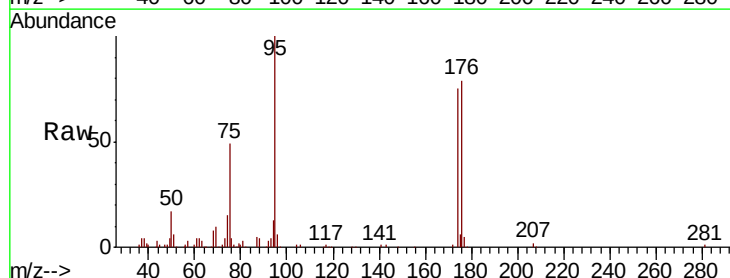
Instrument :
MSVOA_X
ClientSampled :
1378

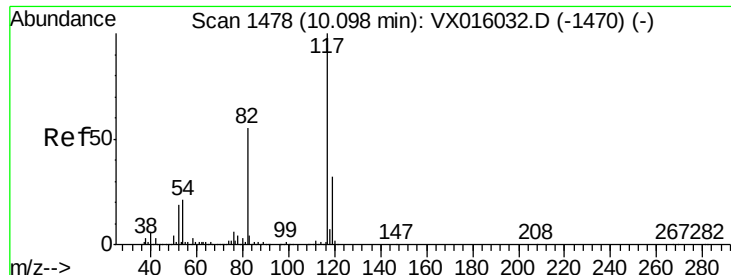
Tot Ion: 43 Resp: 1879
Ion Ratio Lower Upper
43 100
58 46.0 28.6 85.9



#62
4-Bromofluorobenzene
Concen: 20.802 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX016340.D
Acq: 19 May 2020 17:18

Tgt Ion: 95 Resp: 31990
Ion Ratio Lower Upper
95 100
174 80.0 0.0 159.4
176 78.8 0.0 157.6

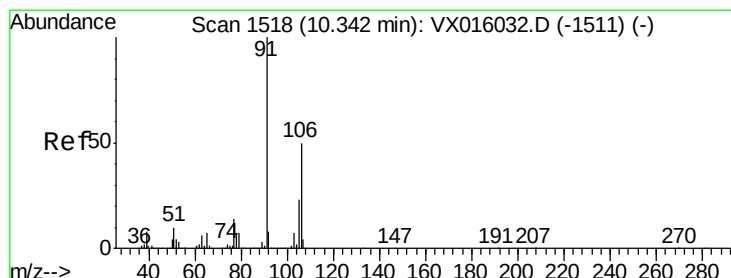
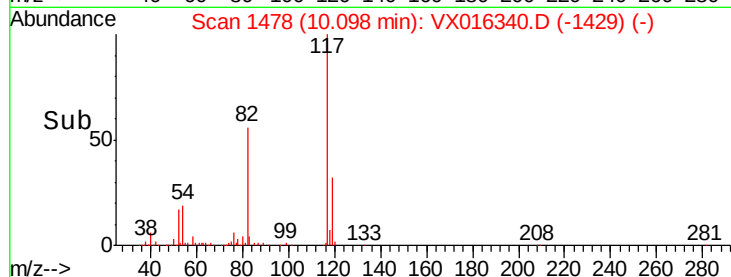
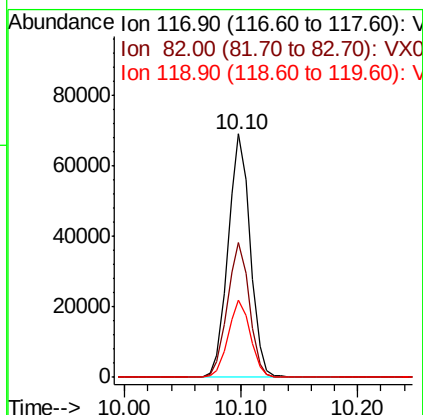
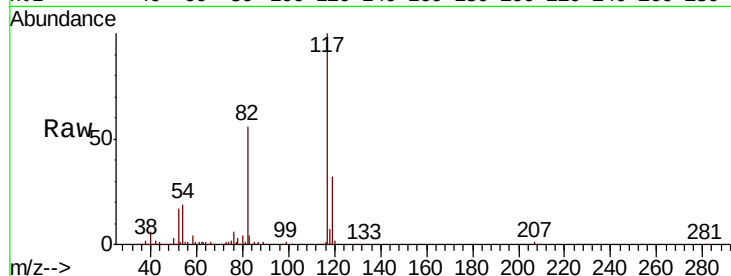




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016340.D
Acq: 19 May 2020 17:18

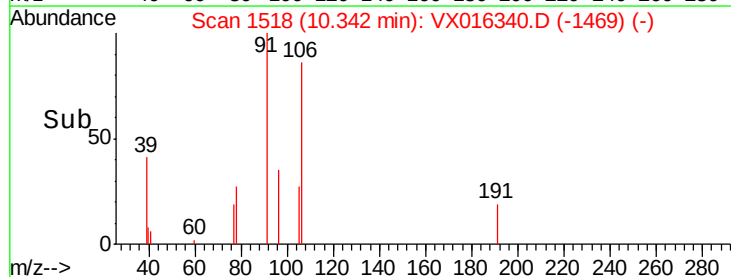
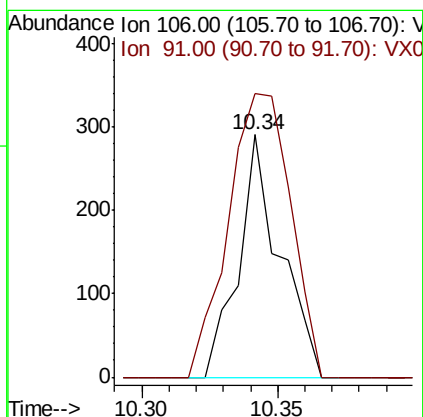
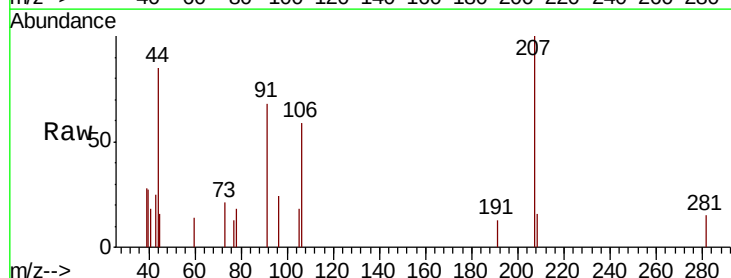
Instrument :
MSVOA_X
ClientSampled :
1378

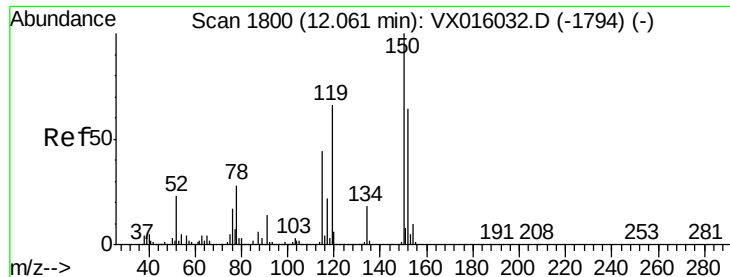
Tot Ion:117 Resp: 90801
Ion Ratio Lower Upper
117 100
82 55.5 44.4 66.6
119 31.7 25.5 38.3



#68
m/p-Xylenes
Concen: 0.242 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. -0.00 min
Lab File: VX016340.D
Acq: 19 May 2020 17:18

Tgt Ion:106 Resp: 307
Ion Ratio Lower Upper
106 100
91 176.2 161.7 242.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016340.D

Acq: 19 May 2020 17:18

Instrument :

MSVOA_X

ClientSampleId :

1378

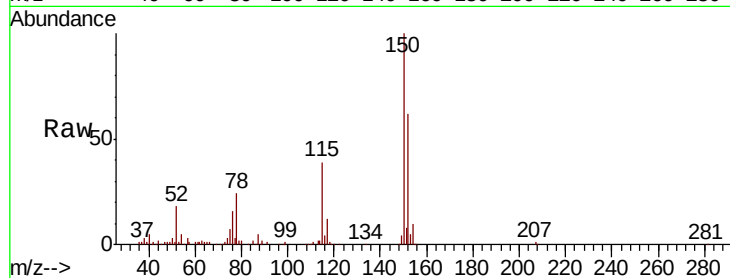
Tot Ion:152 Resp: 23676

Ion Ratio Lower Upper

152 100

115 59.6 41.3 124.1

150 159.3 0.0 352.2

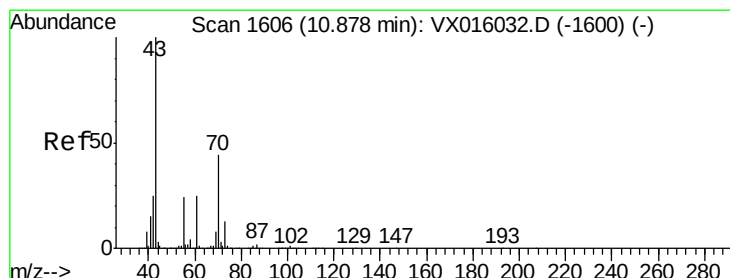
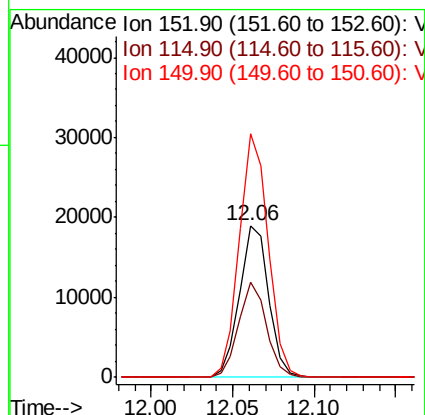
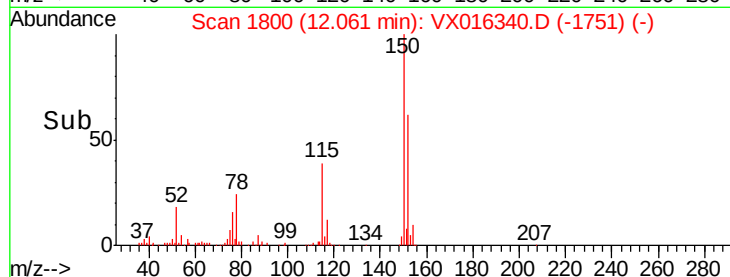


Abundance

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



#74

N-ethyl acetate

Concen: 1.587 ug/l

RT: 10.89 min Scan# 1608

Delta R.T. 0.01 min

Lab File: VX016340.D

Acq: 19 May 2020 17:18

Tgt Ion: 43 Resp: 1275

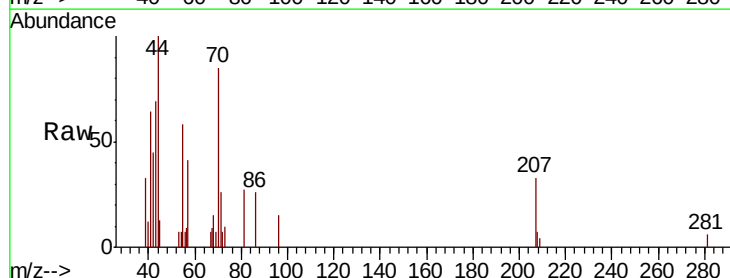
Ion Ratio Lower Upper

43 100

70 104.8 36.5 54.7#

55 72.8 19.7 29.5#

61 0.0 20.9 31.3#



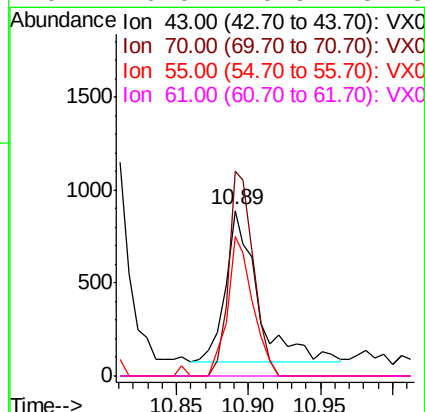
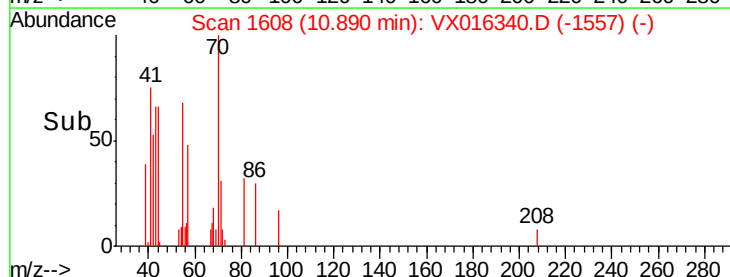
Abundance

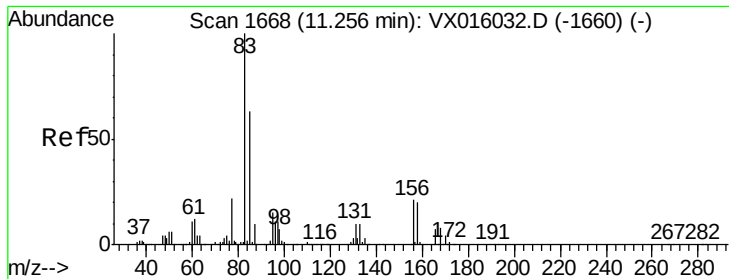
Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 2.117 ug/l

RT: 11.31 min Scan# 1677

Delta R.T. 0.06 min

Lab File: VX016340.D

Acq: 19 May 2020 17:18

Instrument :

MSVOA_X

ClientSampleId :

1378

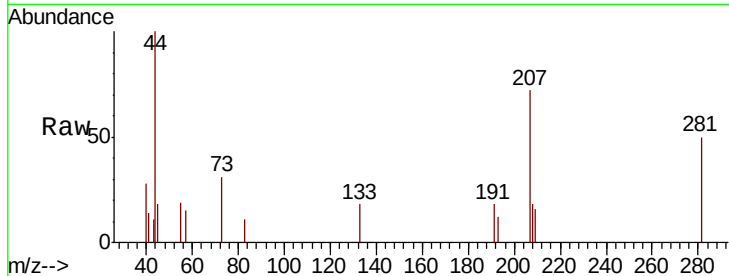
Tot Ion: 83 Resp: 22

Ion Ratio Lower Upper

83 100

131 0.0 5.1 15.4#

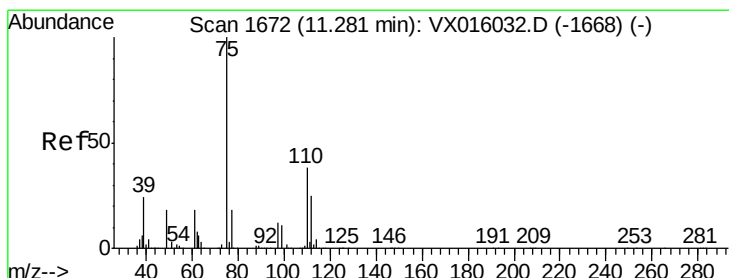
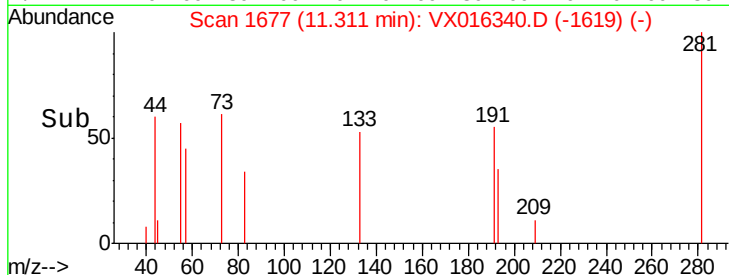
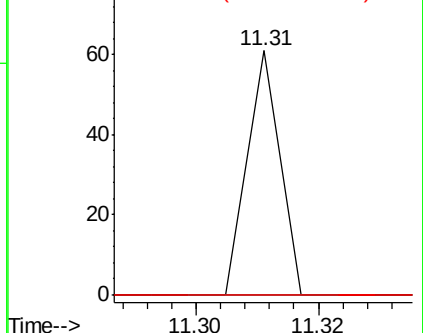
85 0.0 32.0 96.0#



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: 29.155 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016340.D

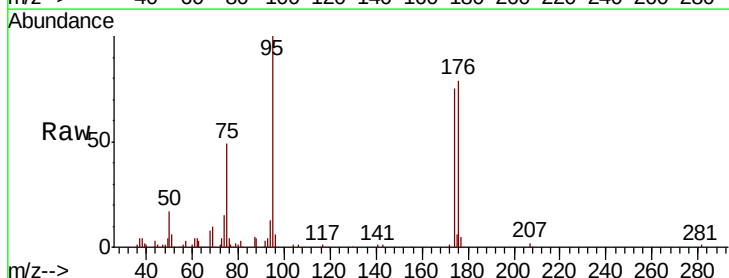
Acq: 19 May 2020 17:18

Tgt Ion: 75 Resp: 15664

Ion Ratio Lower Upper

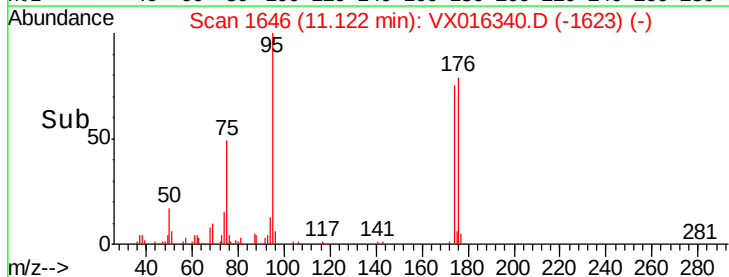
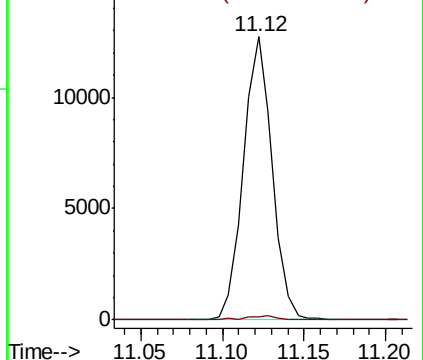
75 100

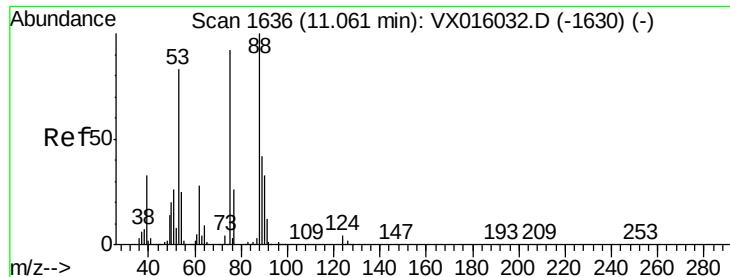
77 1.4 21.2 63.6#



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: 69.479 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016340.D

Acq: 19 May 2020 17:18

Instrument :

MSVOA_X

ClientSampleId :

1378

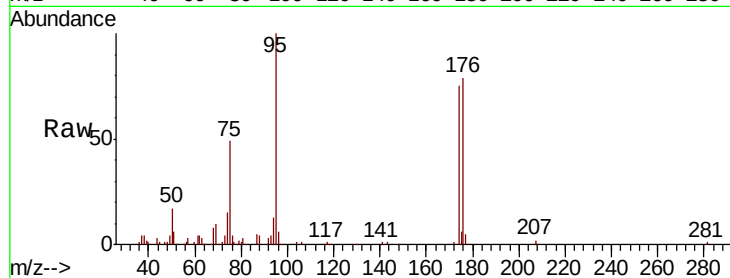
Tot Ion: 75 Resp: 15664

Ion Ratio Lower Upper

75 100

53 0.0 73.1 109.7#

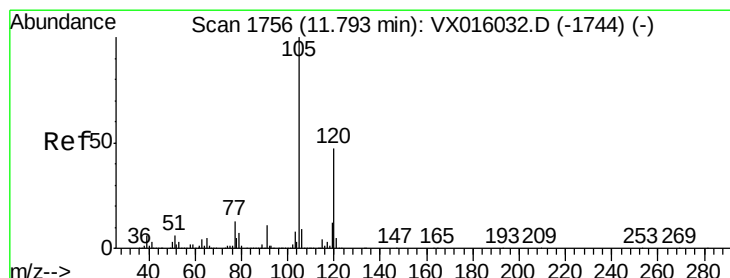
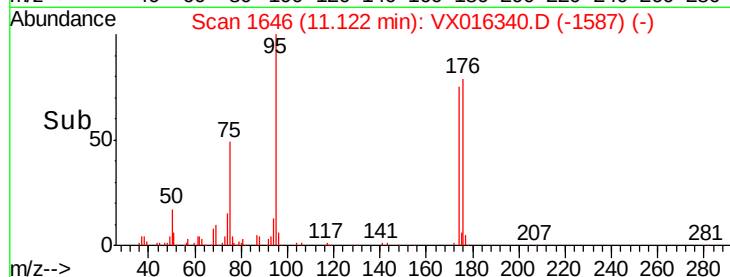
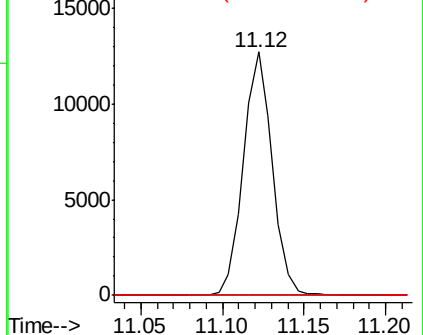
89 0.0 36.7 55.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#84

1,2,4-Trimethylbenzene

Concen: 0.358 ug/l

RT: 11.79 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VX016340.D

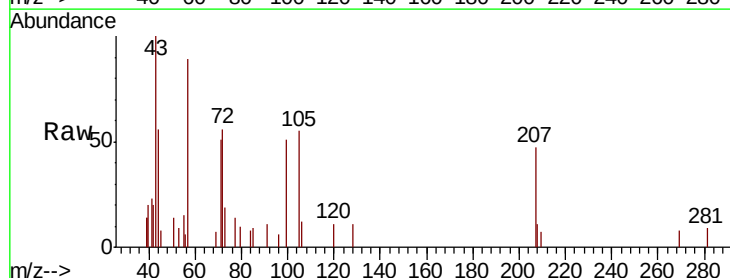
Acq: 19 May 2020 17:18

Tgt Ion: 105 Resp: 526

Ion Ratio Lower Upper

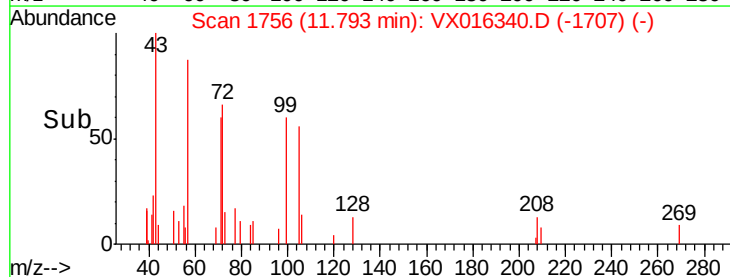
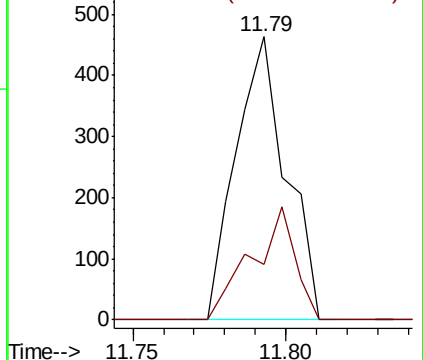
105 100

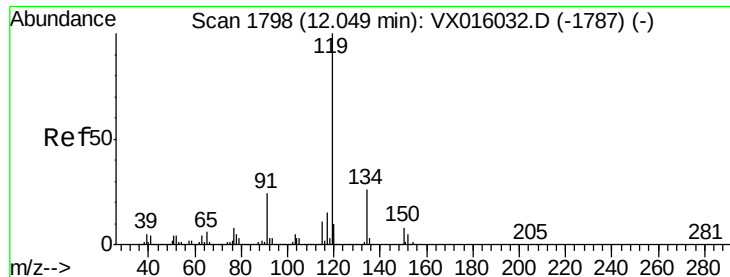
120 34.8 23.0 69.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

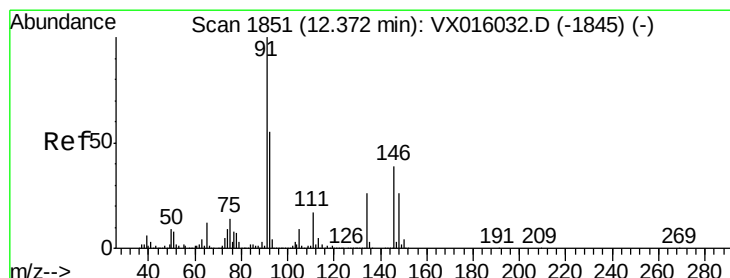
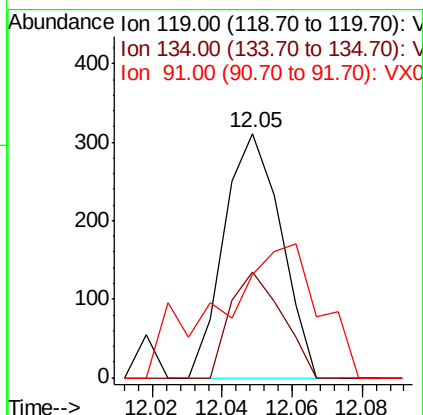
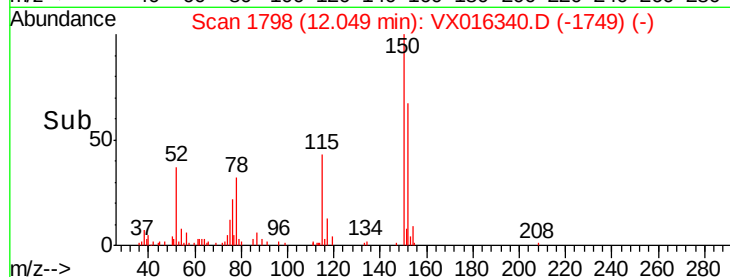
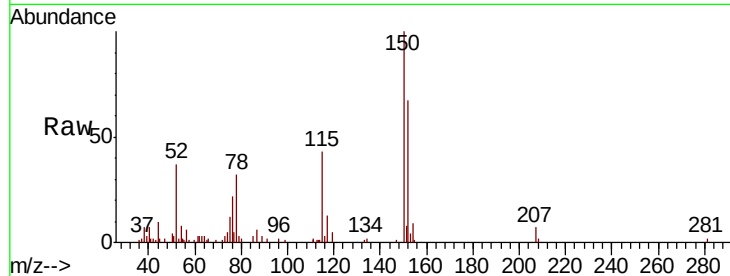




#86
p-Isopropyltoluene
Concen: 0.223 ug/l
RT: 12.05 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VX016340.D
Acq: 19 May 2020 17:18

Instrument :
MSVOA_X
ClientSampleId :
1378

Tot Ion	Ratio	Lower	Upper
119	100		
134	39.6	13.1	39.3#
91	98.3	11.8	35.4#



#89
n-Butylbenzene
Concen: 0.252 ug/l
RT: 12.38 min Scan# 1852
Delta R.T. 0.01 min
Lab File: VX016340.D
Acq: 19 May 2020 17:18

Tgt Ion	Ratio	Lower	Upper
91	100		
92	28.5	27.6	82.7
134	58.2	13.4	40.1#

