

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032419\
 Data File : VX008385.D
 Acq On : 24 Mar 2019 12:36
 Operator : JC/SP
 Sample : K2059-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FB032019

Quant Time: Mar 25 05:44:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 23 15:27:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	224569	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	392289	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	337191	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	138633	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	168463	49.18	ug/l	0.00
Spiked Amount			Recovery	=	98.36%	
35) Dibromofluoromethane	5.50	113	124338	48.92	ug/l	0.00
Spiked Amount			Recovery	=	97.84%	
50) Toluene-d8	8.71	98	493962	49.14	ug/l	0.00
Spiked Amount			Recovery	=	98.28%	
62) 4-Bromofluorobenzene	11.13	95	164687	44.62	ug/l	0.00
Spiked Amount			Recovery	=	89.24%	

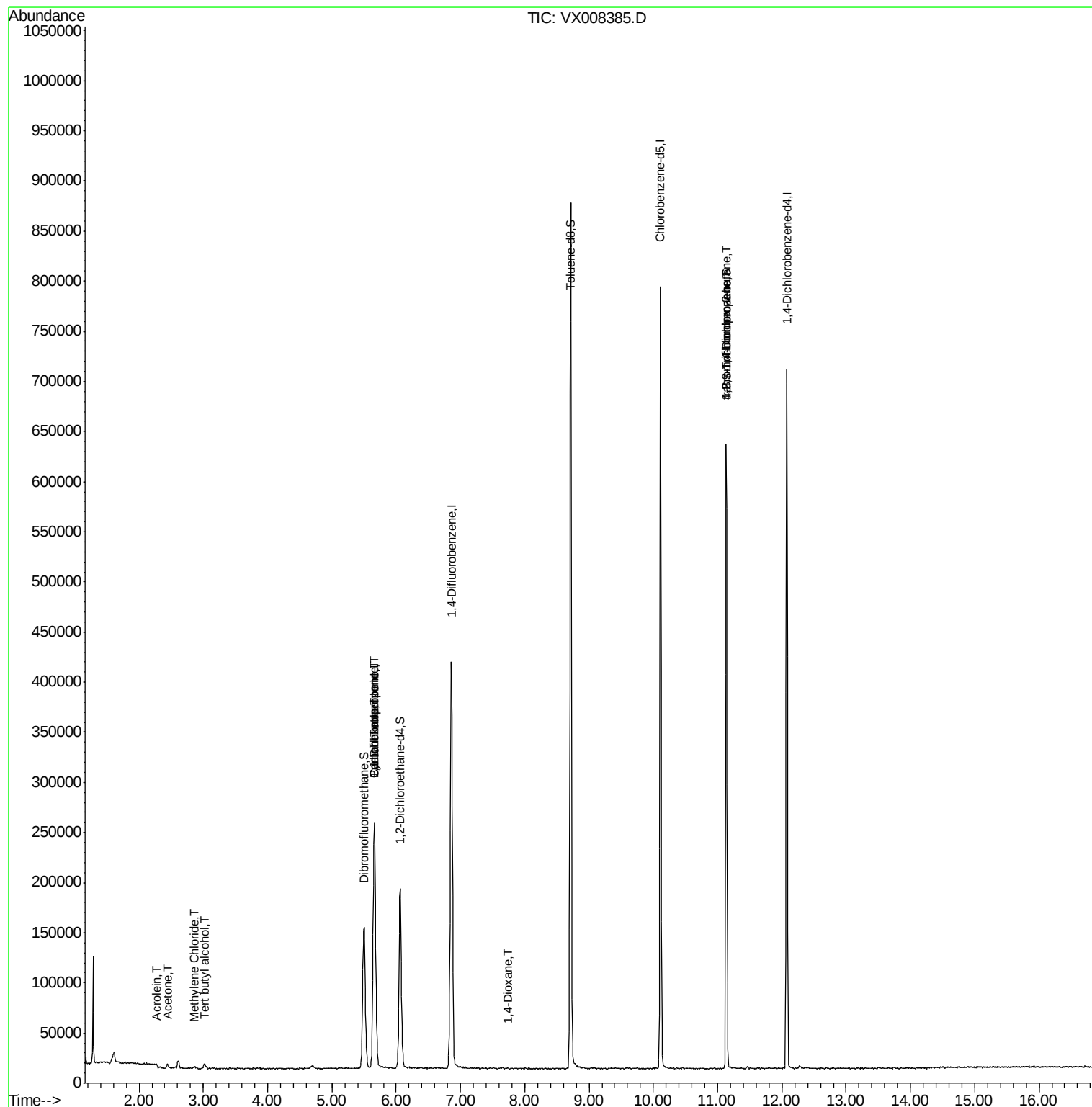
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.01	59	3071	4.025	ug/l #	77
13) Acrolein	2.28	56	142	0.218	ug/l #	67
16) Acetone	2.44	43	4213	2.461	ug/l	99
20) Methylene Chloride	2.85	84	893	0.290	ug/l #	81
31) Cyclohexane	5.66	56	5981	1.110	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	19748	4.926	ug/l #	48
38) Carbon Tetrachloride	5.66	117	22984	6.689	ug/l #	16
49) 1,4-Dioxane	7.73	88	20	0.233	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	86184	23.751	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	86184	67.683	ug/l #	12

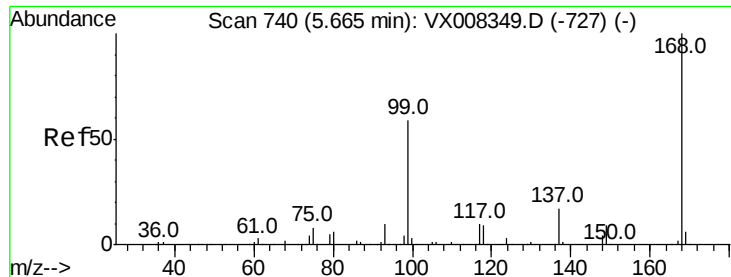
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX008385.D

Acq: 24 Mar 2019 12:36

Instrument :

MSVOA_X

ClientSampleId :

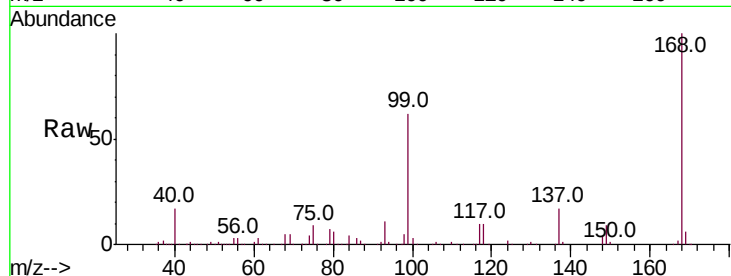
FB032019

Tot Ion:168 Resp: 224569

Ion Ratio Lower Upper

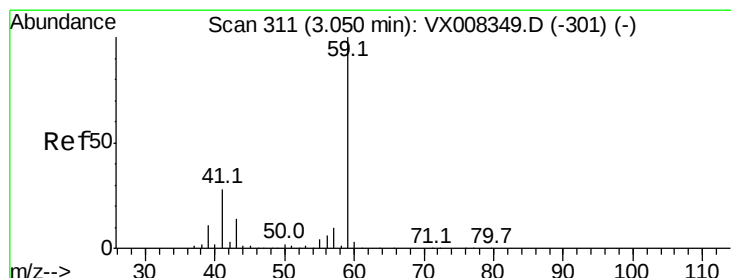
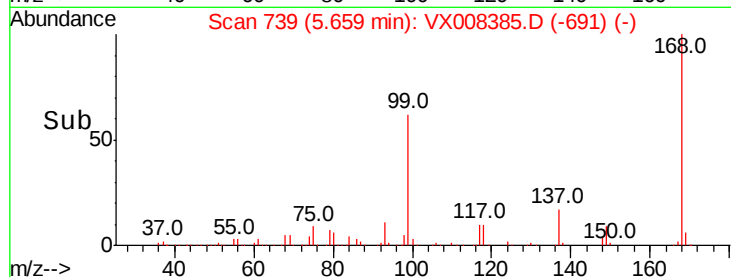
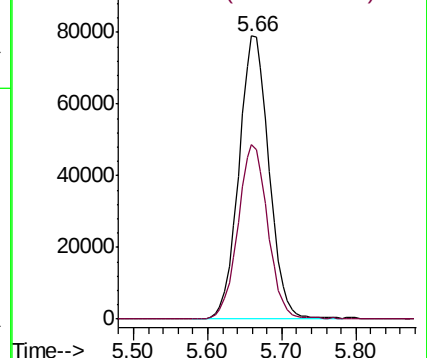
168 100

99 61.6 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#11

Tert butyl alcohol

Concen: 4.025 ug/l

RT: 3.01 min Scan# 305

Delta R.T. -0.04 min

Lab File: VX008385.D

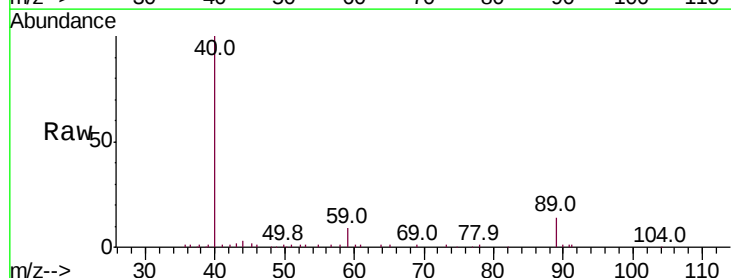
Acq: 24 Mar 2019 12:36

Tgt Ion: 59 Resp: 3071

Ion Ratio Lower Upper

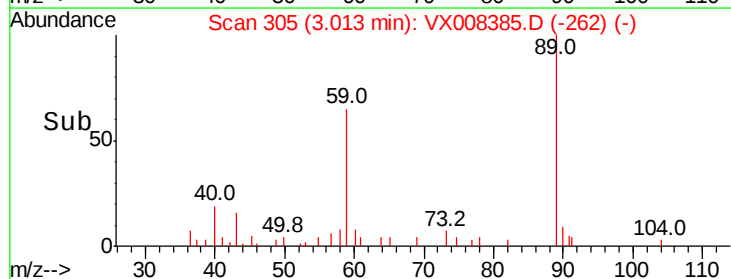
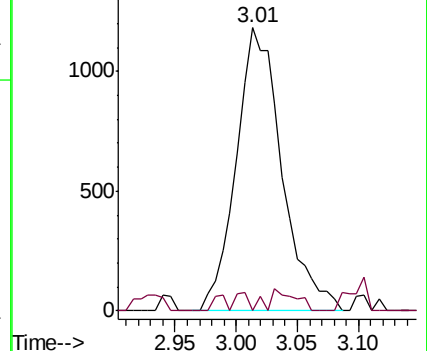
59 100

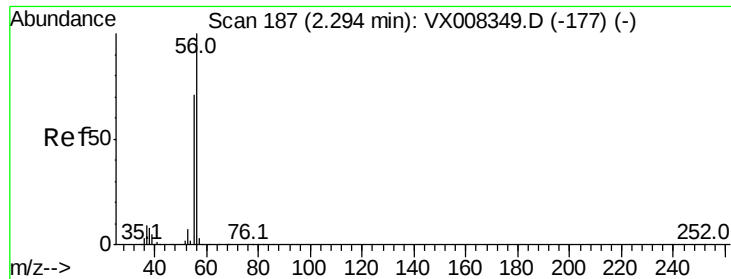
57 1.8 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

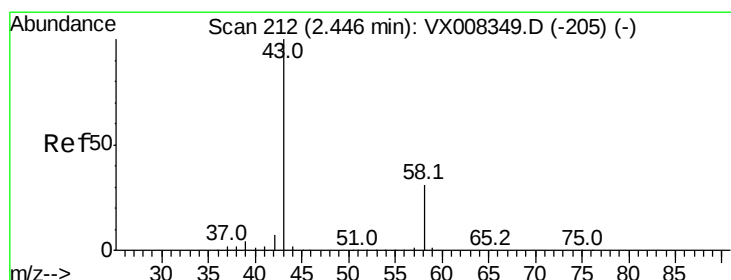
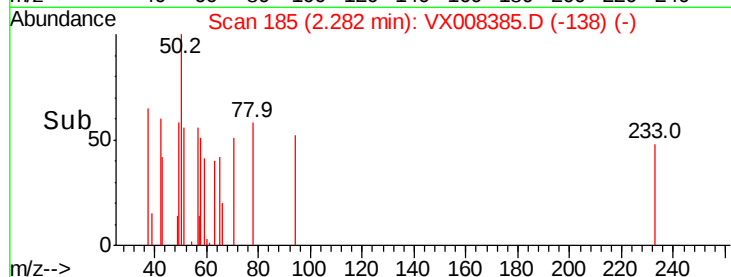
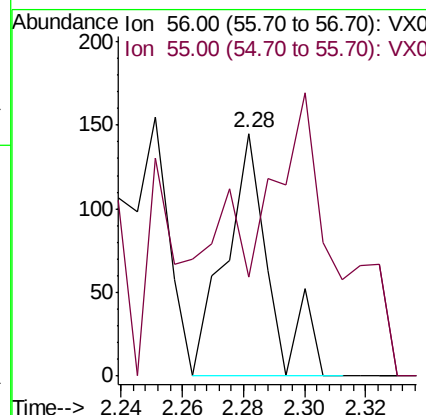
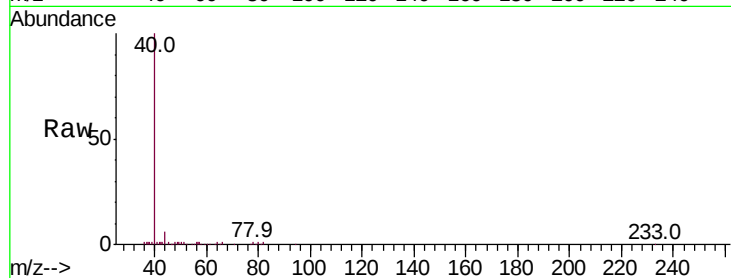




#13
Acrolein
Concen: 0.218 ug/l
RT: 2.28 min Scan# 185
Delta R.T. -0.01 min
Lab File: VX008385.D
Acq: 24 Mar 2019 12:36

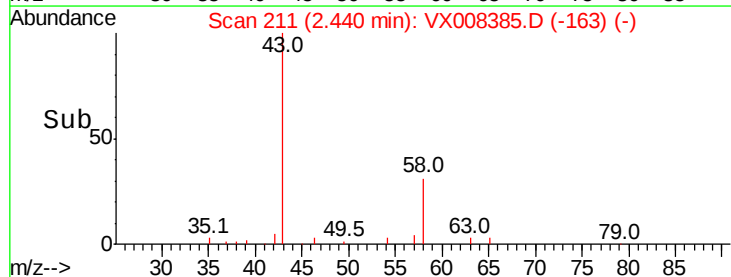
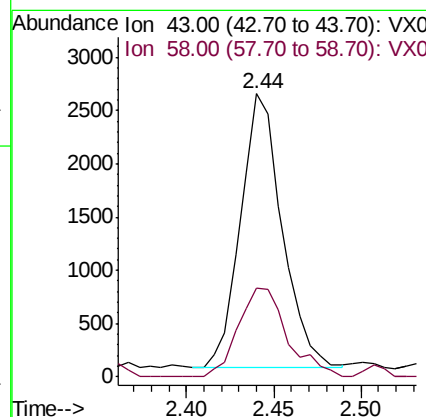
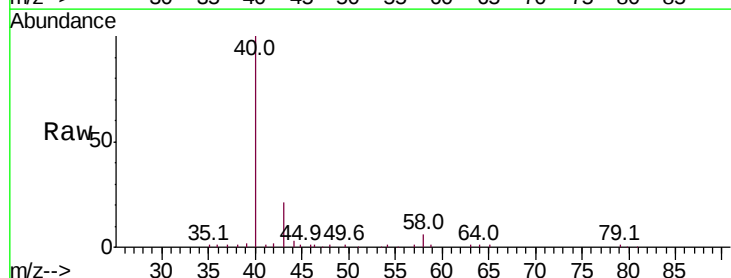
Instrument :
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ClientSampleId :
FB032019

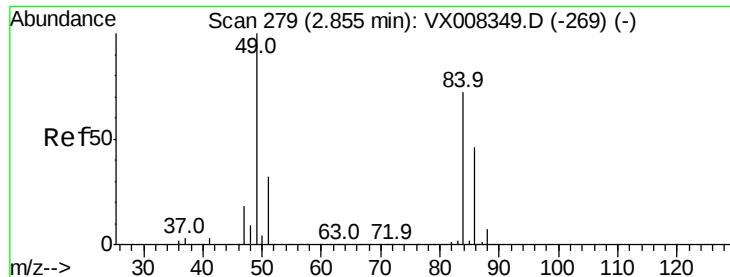
Tot Ion: 56 Resp: 142
Ion Ratio Lower Upper
56 100
55 45.1 57.8 86.6#



#16
Acetone
Concen: 2.461 ug/l
RT: 2.44 min Scan# 211
Delta R.T. -0.01 min
Lab File: VX008385.D
Acq: 24 Mar 2019 12:36

Tgt Ion: 43 Resp: 4213
Ion Ratio Lower Upper
43 100
58 32.3 25.5 38.3

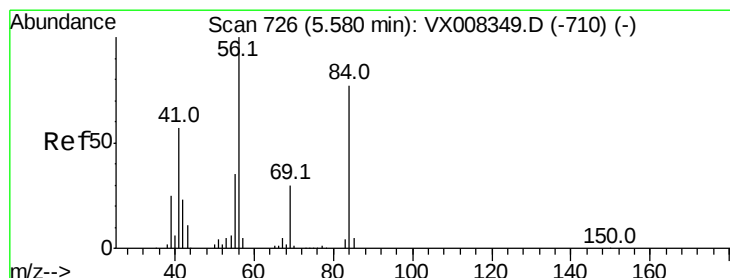
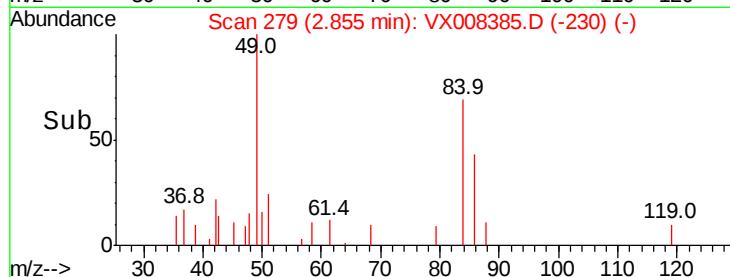
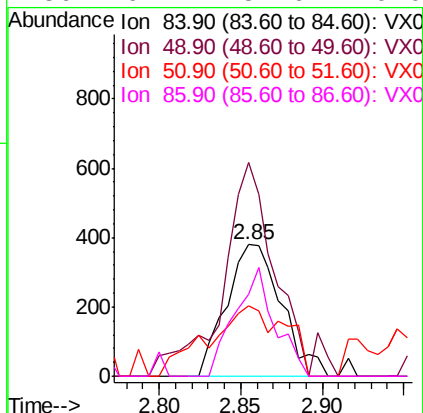
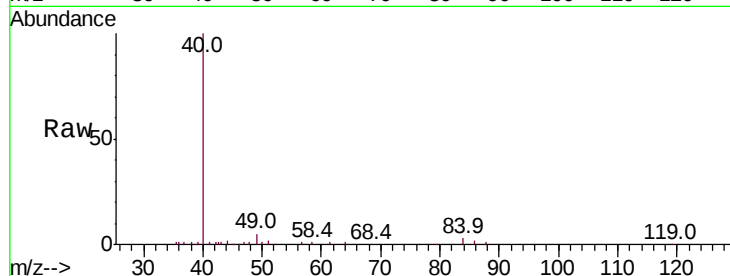




#20
Methvlene Chloride
Concen: 0.290 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX008385.D
Acq: 24 Mar 2019 12:36

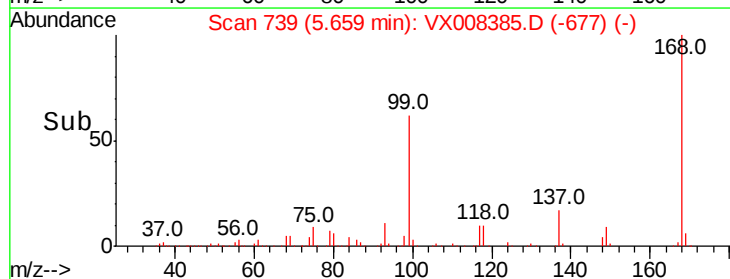
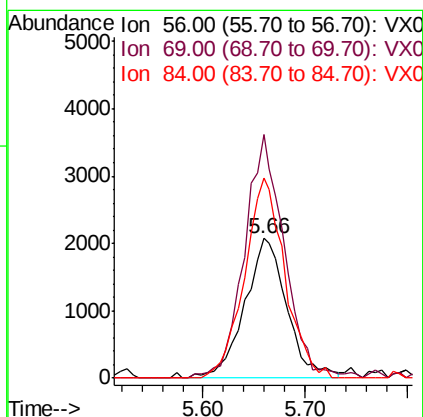
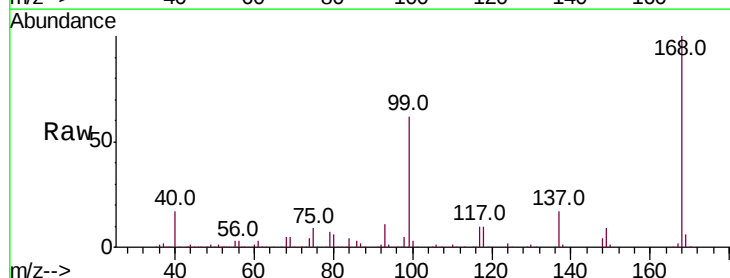
Instrument :
MSVOA_X
ClientSampleId :
FB032019

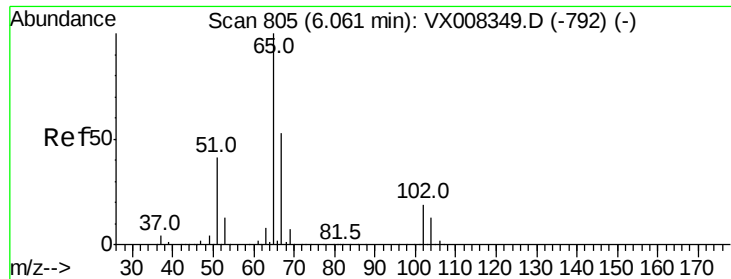
Tot Ion: 84 Resp: 893
Ion Ratio Lower Upper
84 100
49 162.1 99.3 148.9#
51 39.2 31.3 46.9
86 62.4 52.6 79.0



#31
Cyclohexane
Concen: 1.110 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.08 min
Lab File: VX008385.D
Acq: 24 Mar 2019 12:36

Tgt Ion: 56 Resp: 5981
Ion Ratio Lower Upper
56 100
69 174.3 24.0 36.0#
84 143.0 65.3 97.9#





#33

1,2-Dichloroethane-d4

Concen: 49.184 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX008385.D

Acq: 24 Mar 2019 12:36

Instrument :

MSVOA_X

ClientSampleId :

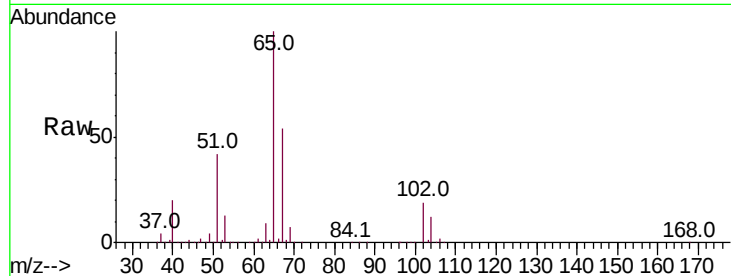
FB032019

Tot Ion: 65 Resp: 168463

Ion Ratio Lower Upper

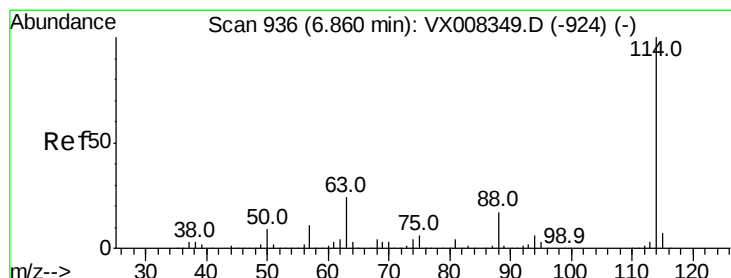
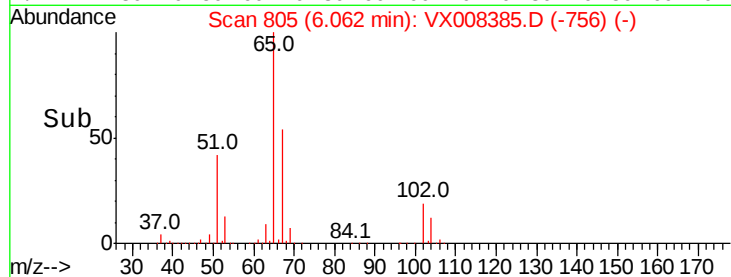
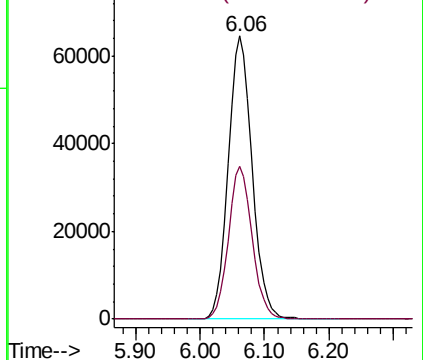
65 100

67 53.6 0.0 110.0



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: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX008385.D

Acq: 24 Mar 2019 12:36

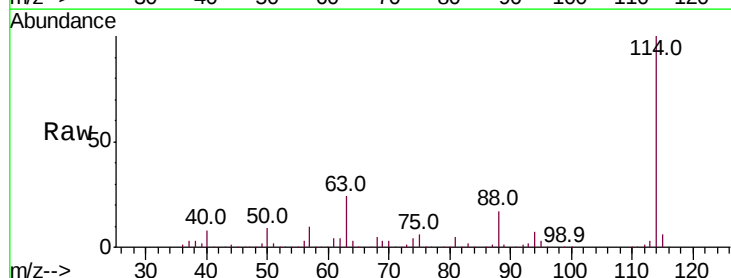
Tgt Ion:114 Resp: 392289

Ion Ratio Lower Upper

114 100

63 24.0 0.0 39.8

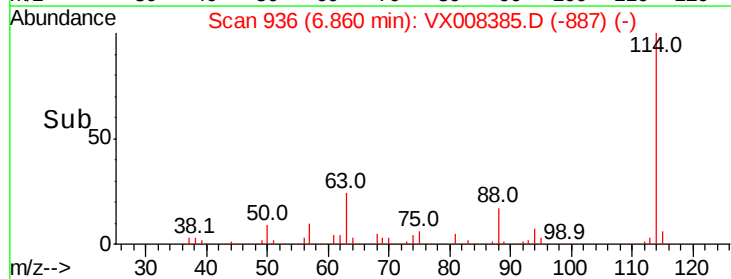
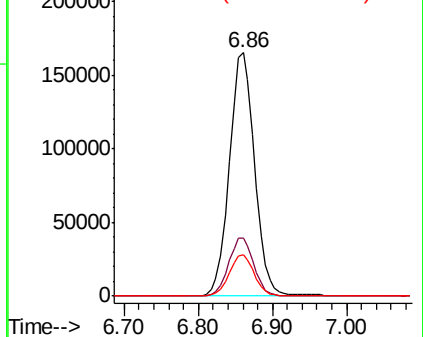
88 17.1 0.0 31.4

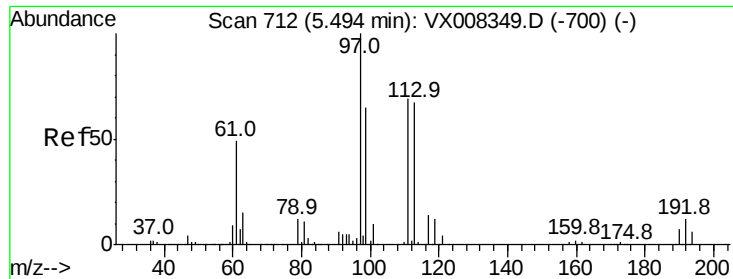


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

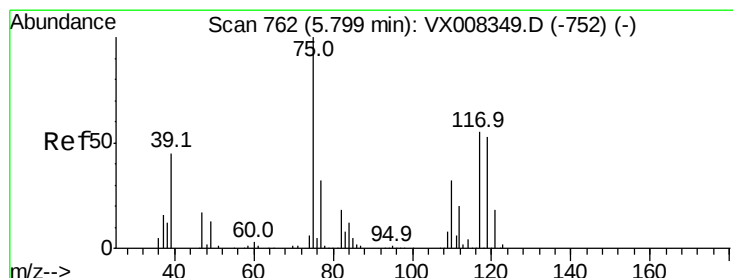
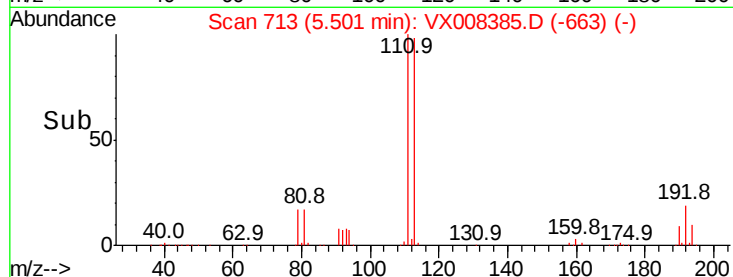
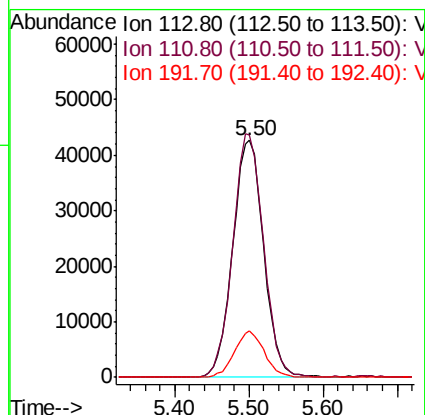
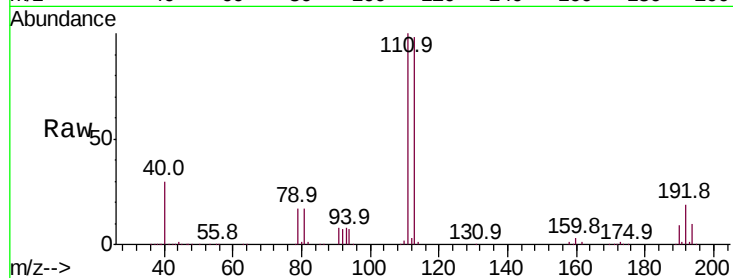




#35
 Dibromofluoromethane
 Concen: 48.921 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX008385.D
 Acq: 24 Mar 2019 12:36

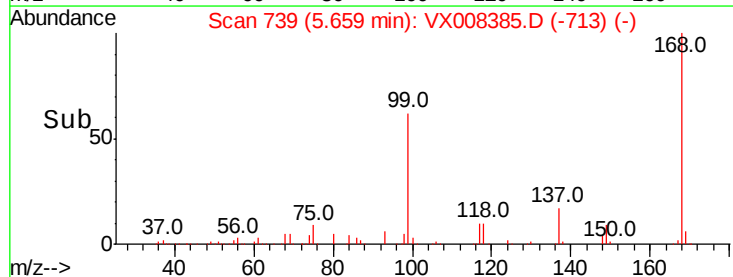
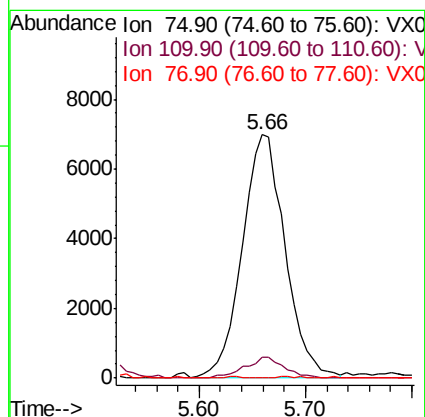
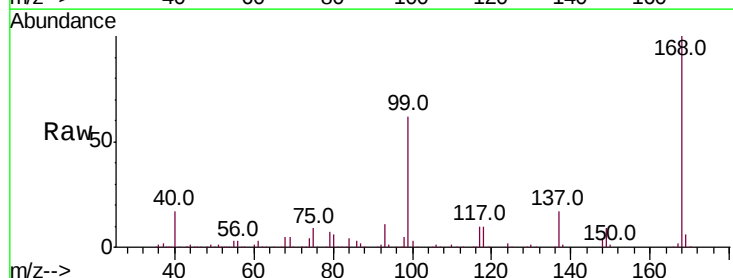
Instrument :
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 ClientSampleId :
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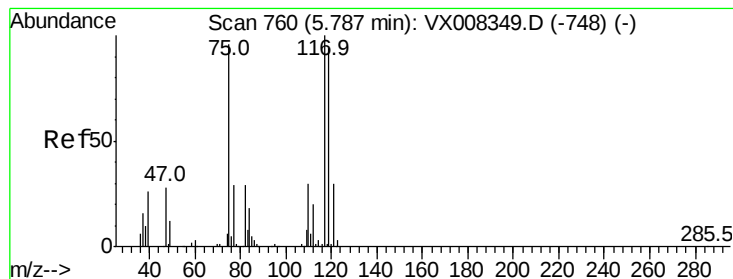
Tot Ion:113 Resp: 124338
 Ion Ratio Lower Upper
 113 100
 111 101.9 81.4 122.0
 192 18.9 19.4 29.0#



#36
 1,1-Dichloropropene
 Concen: 4.926 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX008385.D
 Acq: 24 Mar 2019 12:36

Tgt Ion: 75 Resp: 19748
 Ion Ratio Lower Upper
 75 100
 110 8.0 18.4 55.0#
 77 0.3 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 6.689 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX008385.D

Acq: 24 Mar 2019 12:36

Instrument :

MSVOA_X

ClientSampled :

FB032019

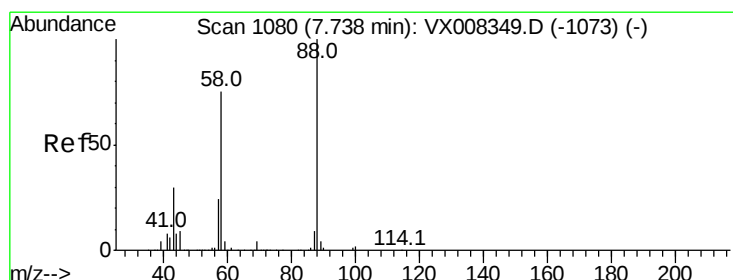
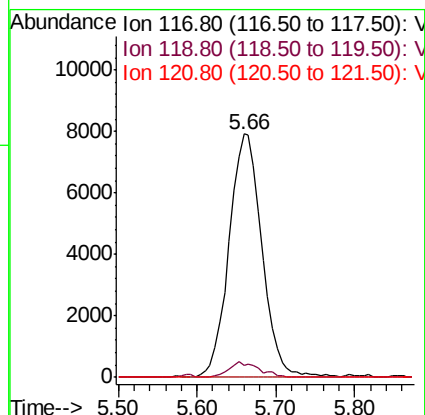
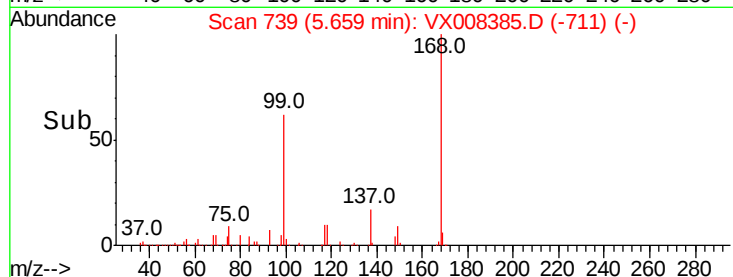
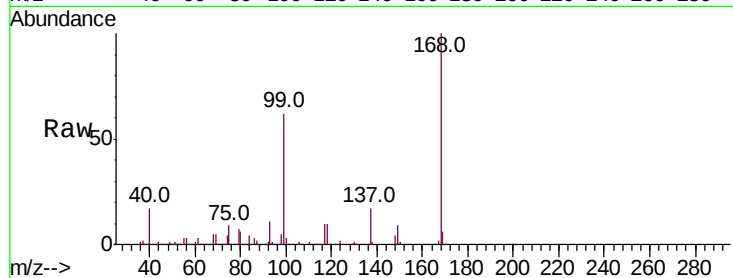
Tot Ion:117 Resp: 22984

Ion Ratio Lower Upper

117 100

119 4.9 76.2 114.2#

121 0.0 24.6 36.8#



#49

1,4-Dioxane

Concen: 0.233 ug/l

RT: 7.73 min Scan# 1078

Delta R.T. -0.01 min

Lab File: VX008385.D

Acq: 24 Mar 2019 12:36

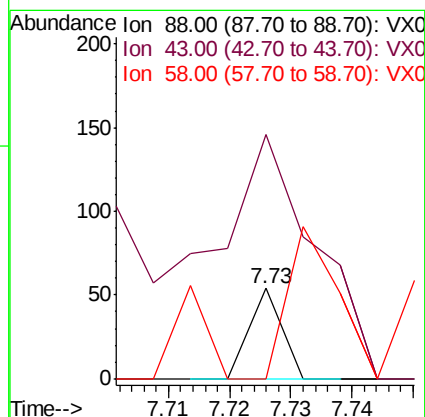
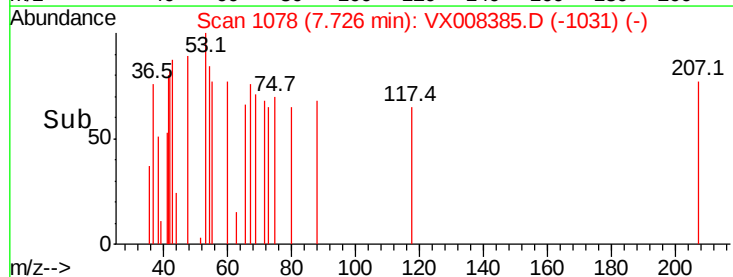
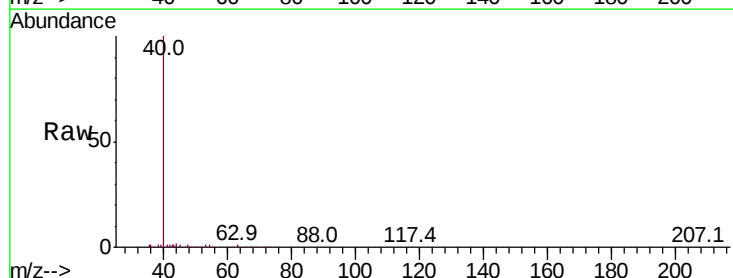
Tgt Ion: 88 Resp: 20

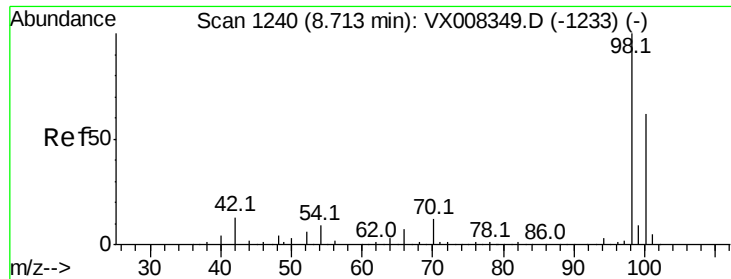
Ion Ratio Lower Upper

88 100

43 825.0 25.1 37.7#

58 260.0 57.8 86.6#

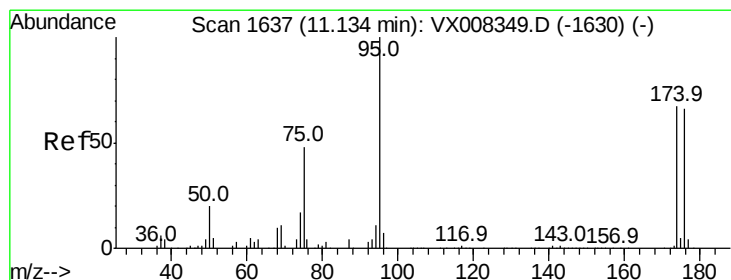
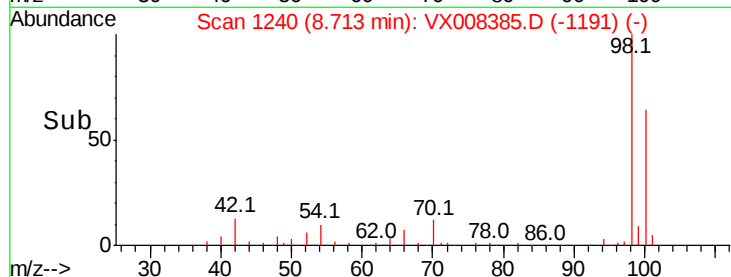
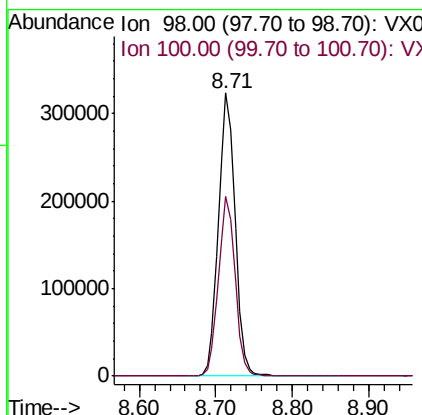
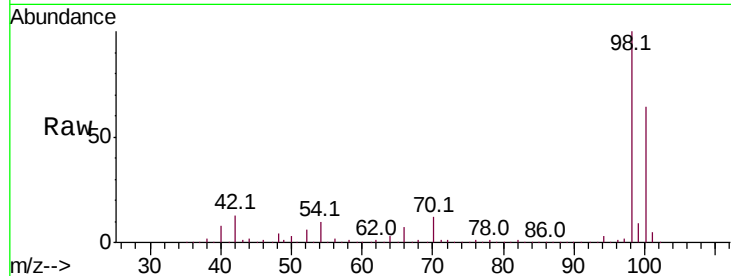




#50
Toluene-d8
Concen: 49.137 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX008385.D
Acq: 24 Mar 2019 12:36

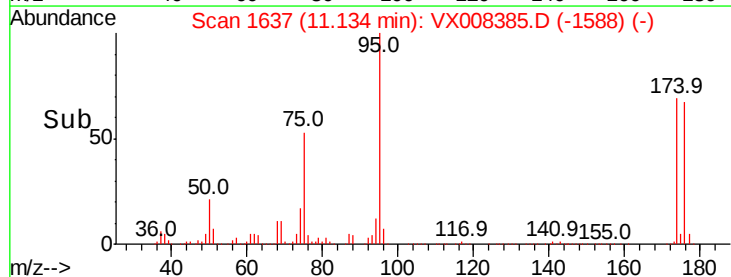
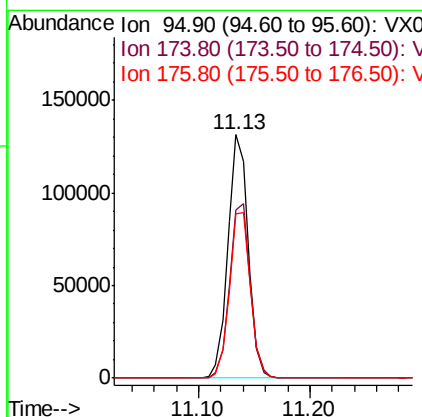
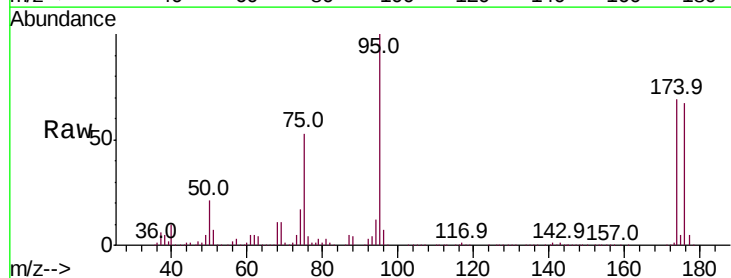
Instrument :
MSVOA_X
ClientSampleId :
FB032019

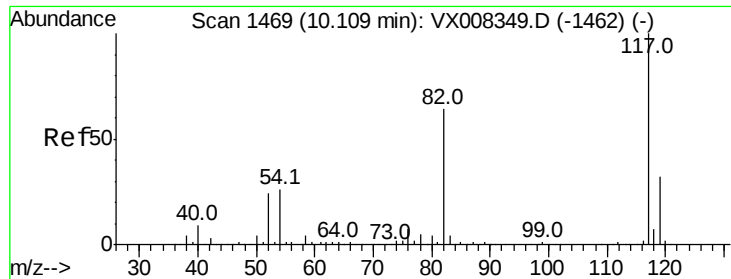
Tot Ion: 98 Resp: 493962
Ion Ratio Lower Upper
98 100
100 63.4 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 44.618 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX008385.D
Acq: 24 Mar 2019 12:36

Tgt Ion: 95 Resp: 164687
Ion Ratio Lower Upper
95 100
174 73.3 0.0 182.8
176 70.9 0.0 178.0

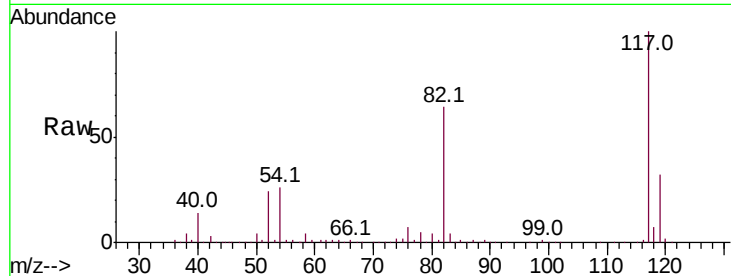




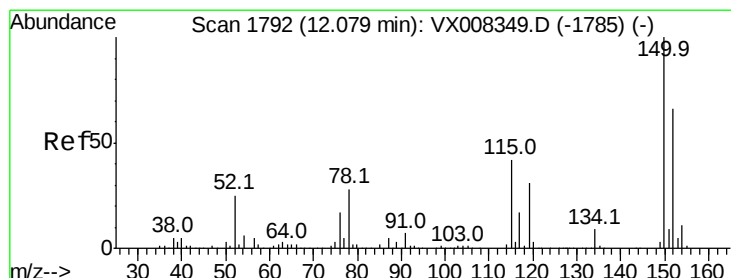
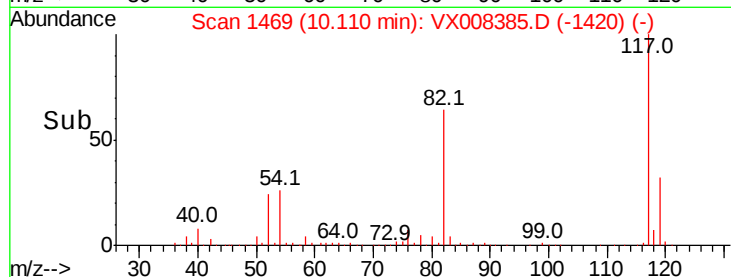
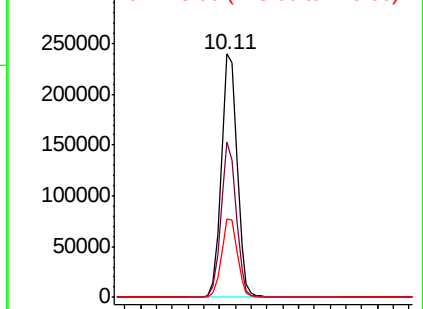
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008385.D
Acq: 24 Mar 2019 12:36

Instrument :
MSVOA_X
ClientSampled :
FB032019

Tot Ion:117 Resp: 337191
Ion Ratio Lower Upper
117 100
82 63.6 44.3 66.5
119 32.1 25.3 37.9

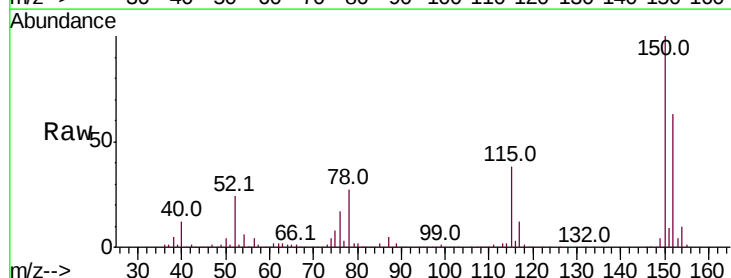


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

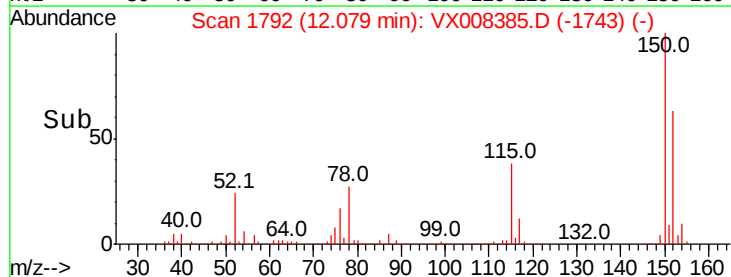
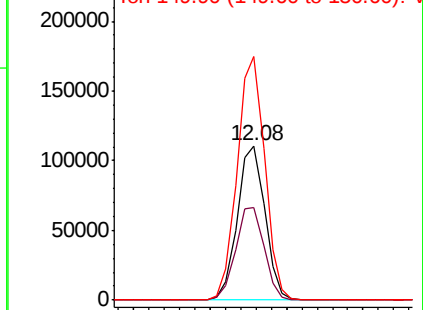


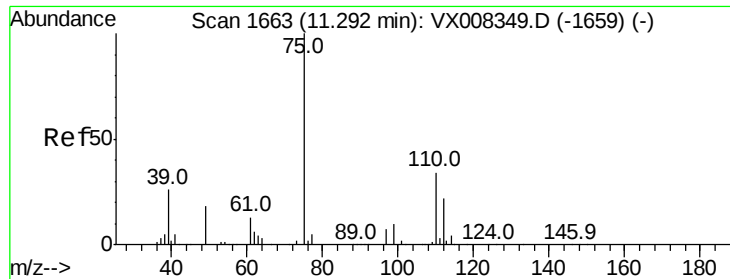
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX008385.D
Acq: 24 Mar 2019 12:36

Tgt Ion:152 Resp: 138633
Ion Ratio Lower Upper
152 100
115 62.1 38.6 115.7
150 157.7 0.0 348.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 23.751 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008385.D

Acq: 24 Mar 2019 12:36

Instrument :

MSVOA_X

ClientSampleId :

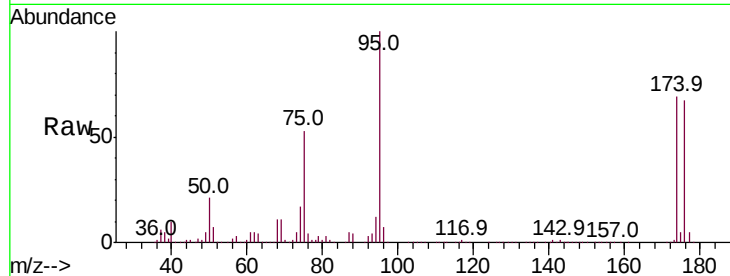
FB032019

Tot Ion: 75 Resp: 86184

Ion Ratio Lower Upper

75 100

77 1.3 18.9 56.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.13

80000

60000

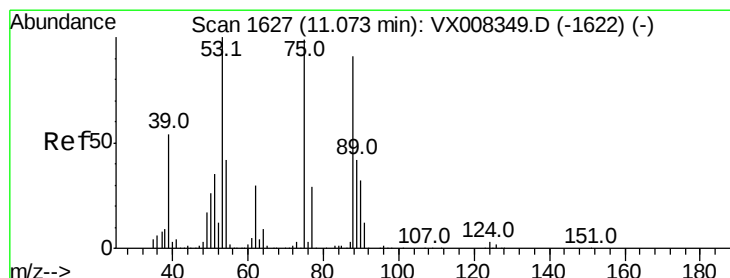
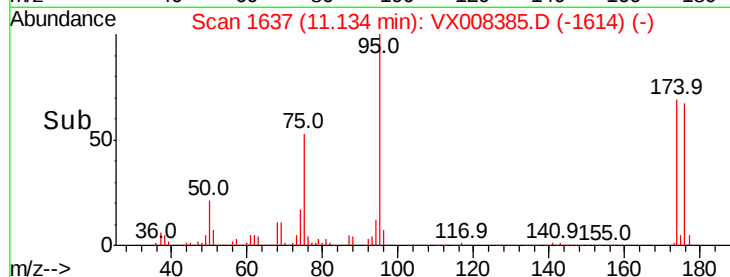
40000

20000

0

Time-->

11.10 11.20



#81

trans-1,4-Dichloro-2-butene

Concen: 67.683 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008385.D

Acq: 24 Mar 2019 12:36

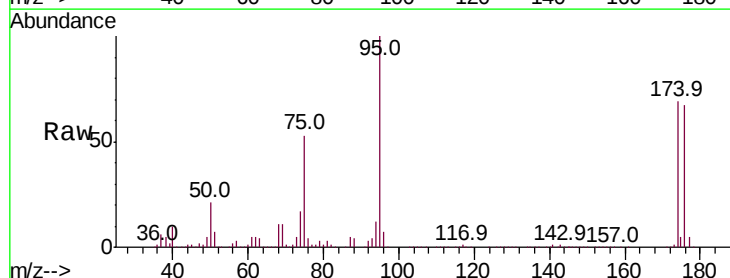
Tgt Ion: 75 Resp: 86184

Ion Ratio Lower Upper

75 100

53 0.2 76.1 114.1#

89 0.0 36.3 54.5#



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

11.13

80000

60000

40000

20000

0

Time-->

11.10 11.20

