

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072519\
 Data File : VX011065.D
 Acq On : 25 Jul 2019 10:05
 Operator : JC/SP
 Sample : VX0725WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0725WBL01

Quant Time: Jul 26 01:22:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 24 05:39:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	215267	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	344908	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	314939	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	147346	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	118863	51.90	ug/l	0.00
Spiked Amount			Recovery	=	103.80%	
35) Dibromofluoromethane	5.49	113	109610	50.07	ug/l	0.00
Spiked Amount			Recovery	=	100.14%	
50) Toluene-d8	8.71	98	409790	49.91	ug/l	0.00
Spiked Amount			Recovery	=	99.82%	
62) 4-Bromofluorobenzene	11.13	95	144778	47.97	ug/l	0.00
Spiked Amount			Recovery	=	95.94%	

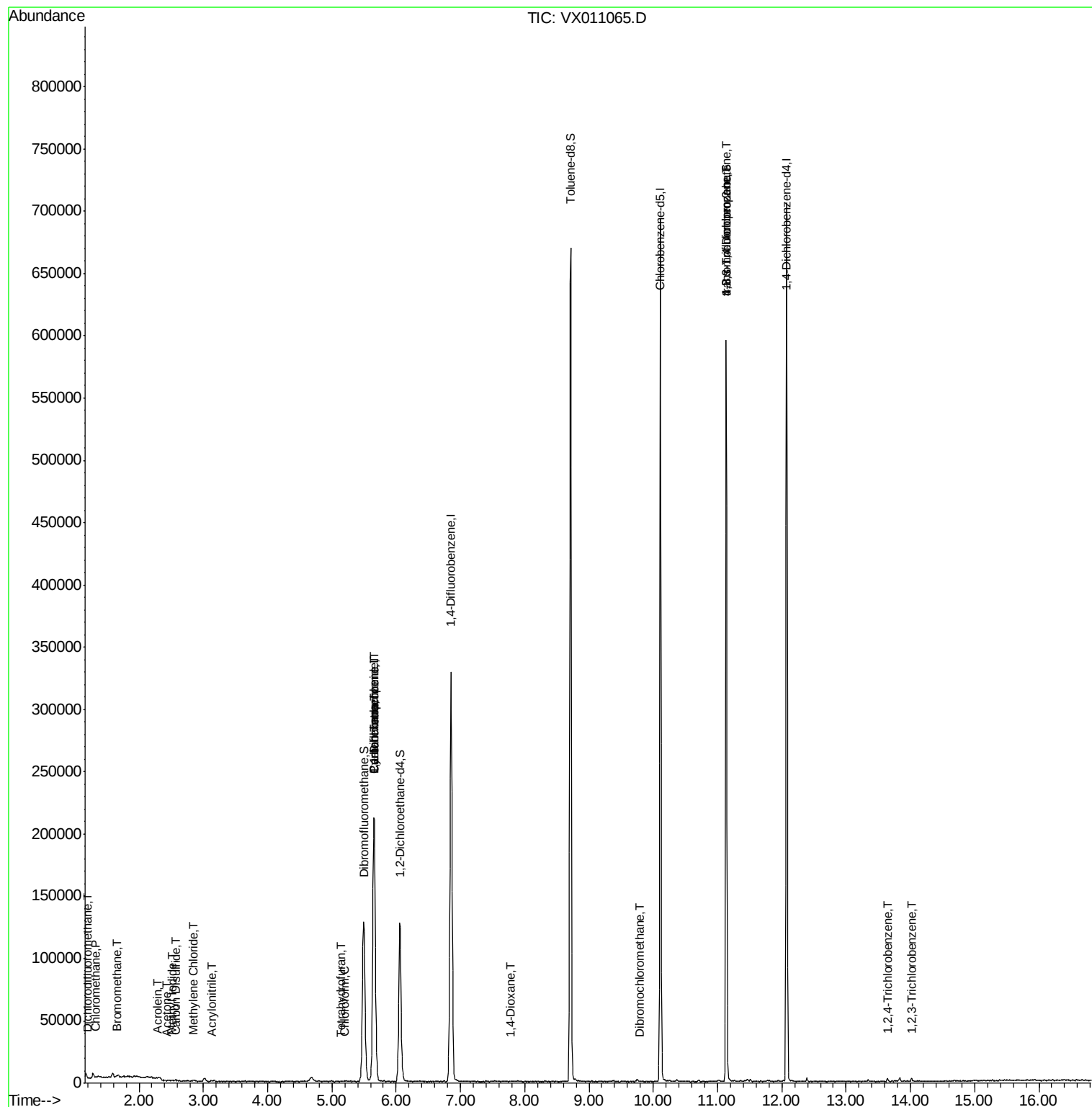
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	57	0.571	ug/l #	43
3) Chloromethane	1.32	50	545	0.275	ug/l #	84
5) Bromomethane	1.65	94	817	0.718	ug/l	87
10) Methyl Iodide	2.52	142	827	0.323	ug/l #	95
13) Acrolein	2.29	56	453	1.470	ug/l #	47
15) Acrylonitrile	3.14	53	446	0.414	ug/l	91
16) Acetone	2.43	43	819	0.792	ug/l	93
17) Carbon Disulfide	2.57	76	1382	0.281	ug/l #	89
20) Methylene Chloride	2.85	84	486	0.222	ug/l #	85
29) Tetrahydrofuran	5.15	42	242	0.257	ug/l #	35
30) Chloroform	5.21	83	793	0.215	ug/l #	72
31) Cyclohexane	5.65	56	4357	1.401	ug/l #	41
36) 1,1-Dichloropropene	5.65	75	14681	5.182	ug/l #	49
38) Carbon Tetrachloride	5.66	117	20166	6.831	ug/l #	18
49) 1,4-Dioxane	7.77	88	57	0.877	ug/l #	42
60) Dibromochloromethane	9.79	129	19	2.535	ug/l #	11
76) 1,2,3-Trichloropropane	11.13	75	73530	27.654	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.13	75	73530	68.466	ug/l #	11
93) 1,2,4-Trichlorobenzene	13.65	180	646	0.202	ug/l	86
96) 1,2,3-Trichlorobenzene	14.02	180	676	0.212	ug/l	94

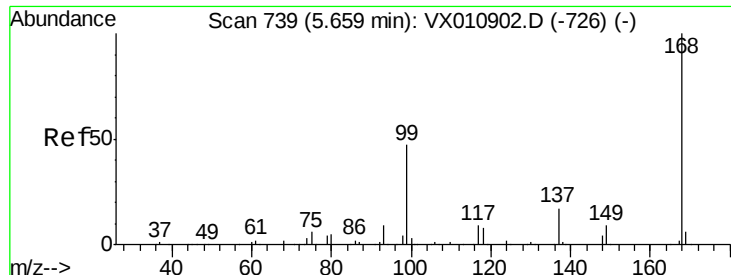
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 26 01:22:59 2019
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Quant Title : SW846 8260
QLast Update : Wed Jul 24 05:39:23 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.00 min

Lab File: VX011065.D

Acq: 25 Jul 2019 10:05

Instrument :

MSVOA_X

ClientSampleId :

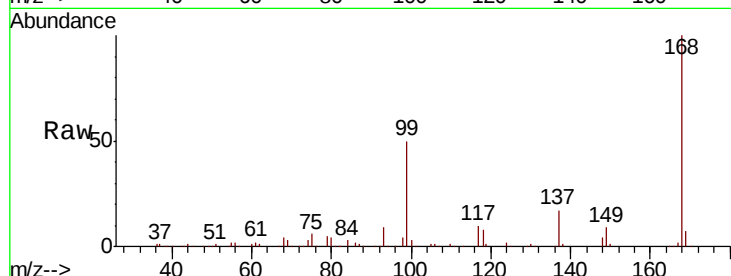
VX0725WBL01

Tot Ion:168 Resp: 215267

Ion Ratio Lower Upper

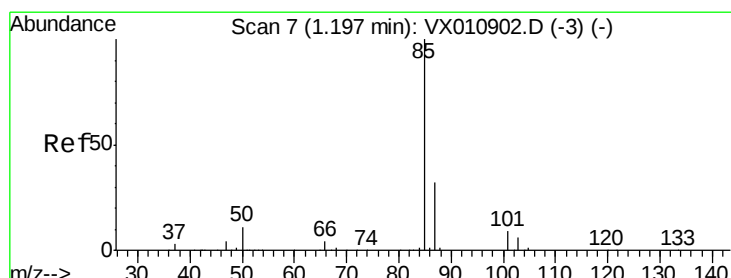
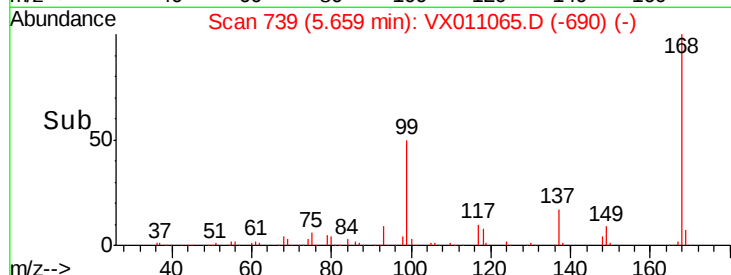
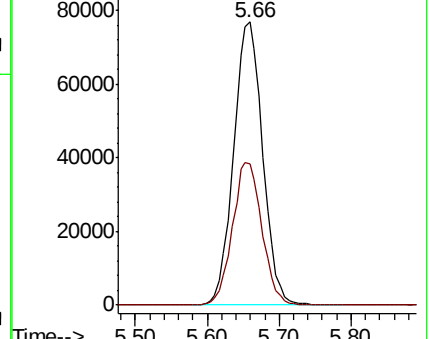
168 100

99 49.8 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 0.571 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX011065.D

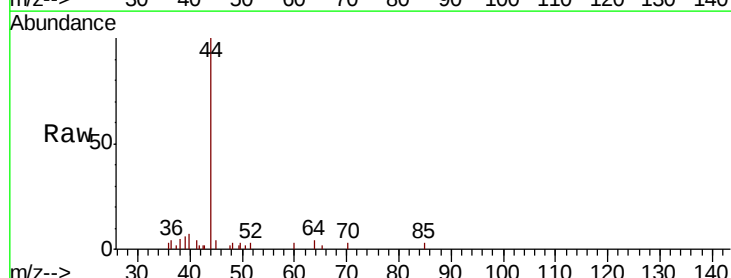
Acq: 25 Jul 2019 10:05

Tgt Ion: 85 Resp: 57

Ion Ratio Lower Upper

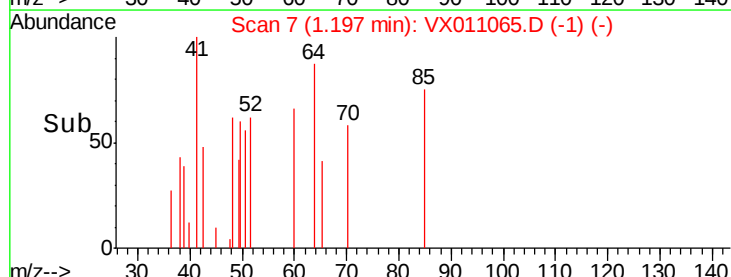
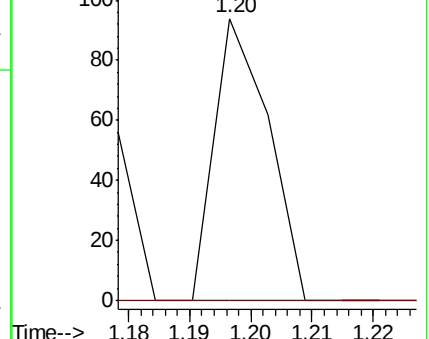
85 100

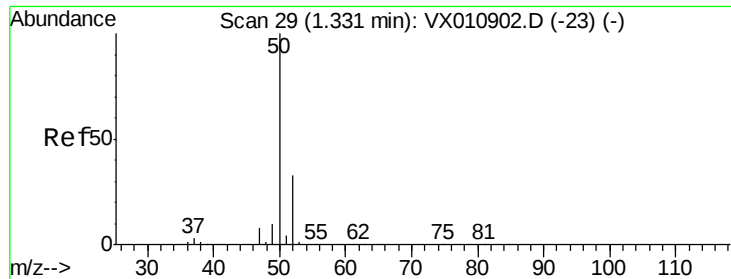
87 0.0 15.9 47.7#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 0.275 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.01 min

Lab File: VX011065.D

Acq: 25 Jul 2019 10:05

Instrument :

MSVOA_X

ClientSampleId :

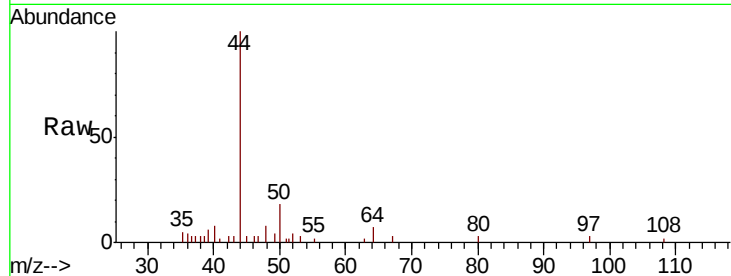
VX0725WBL01

Tot Ion: 50 Resp: 545

Ion Ratio Lower Upper

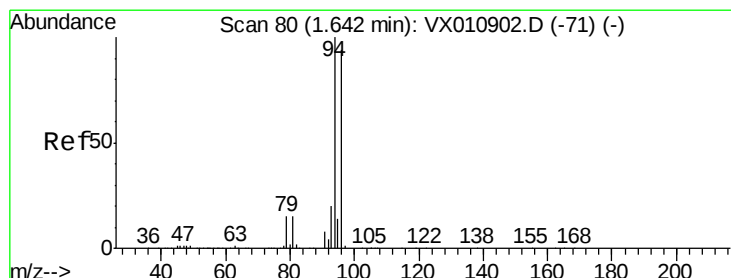
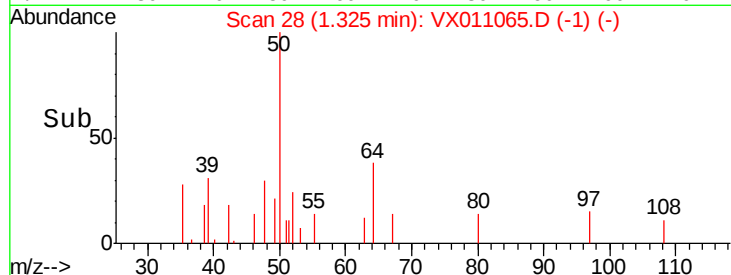
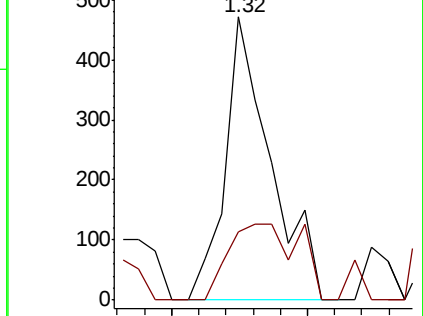
50 100

52 24.0 26.4 39.6#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#5

Bromomethane

Concen: 0.718 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.01 min

Lab File: VX011065.D

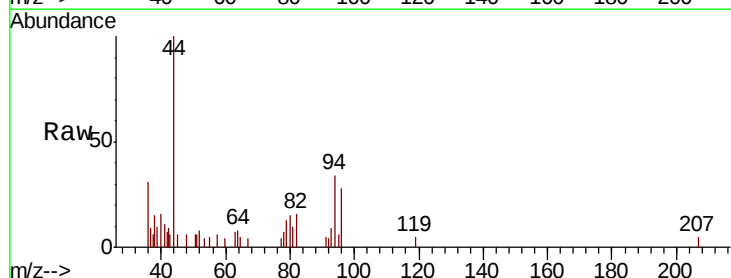
Acq: 25 Jul 2019 10:05

Tgt Ion: 94 Resp: 817

Ion Ratio Lower Upper

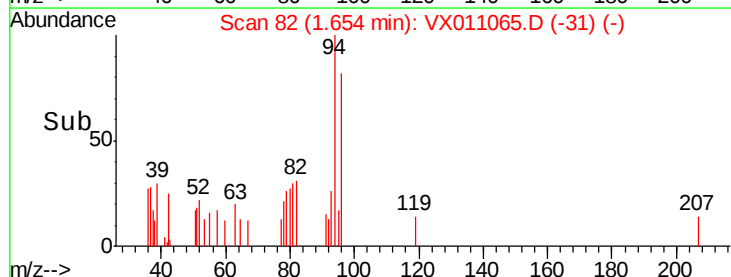
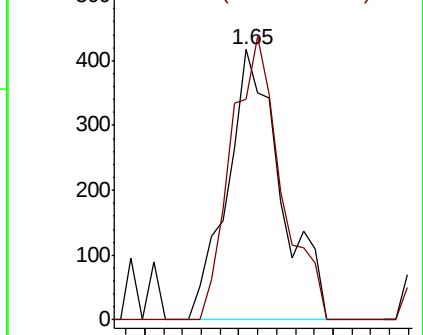
94 100

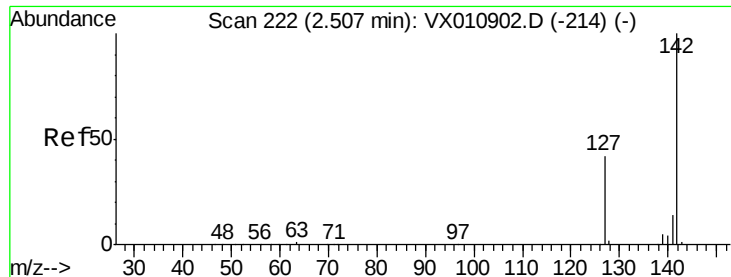
96 81.5 75.6 113.4



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

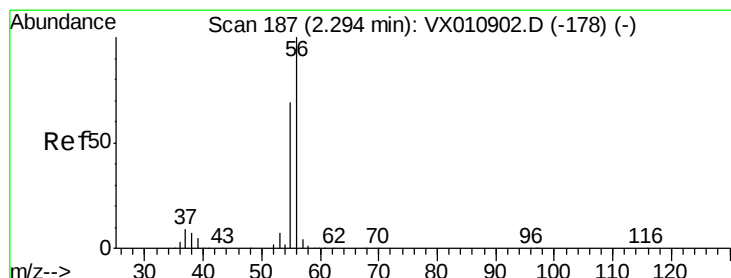
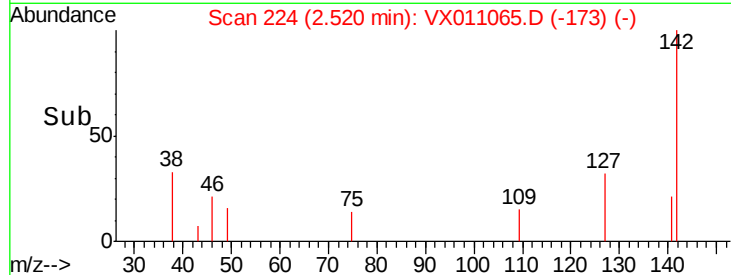
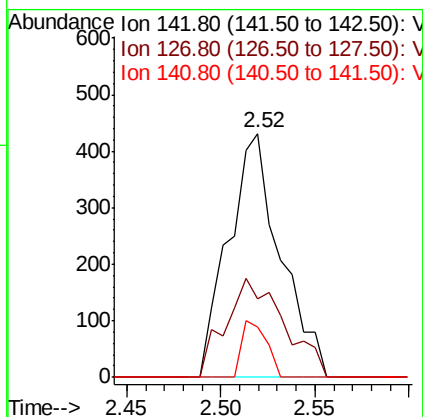
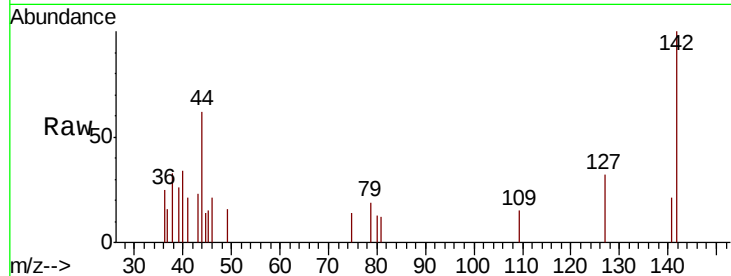




#10
Methvl Iodide
Concen: 0.323 ug/l
RT: 2.52 min Scan# 224
Delta R.T. 0.01 min
Lab File: VX011065.D
Acq: 25 Jul 2019 10:05

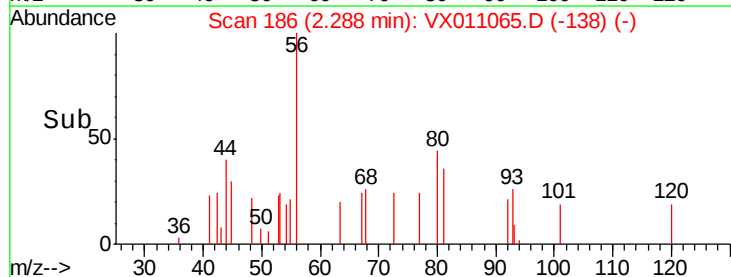
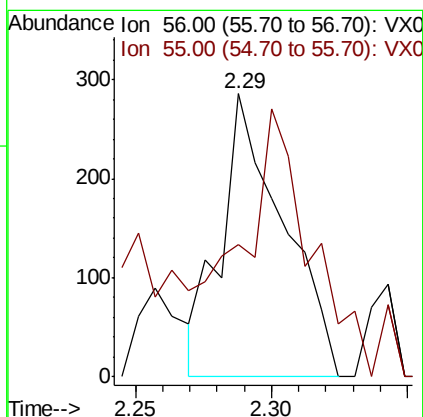
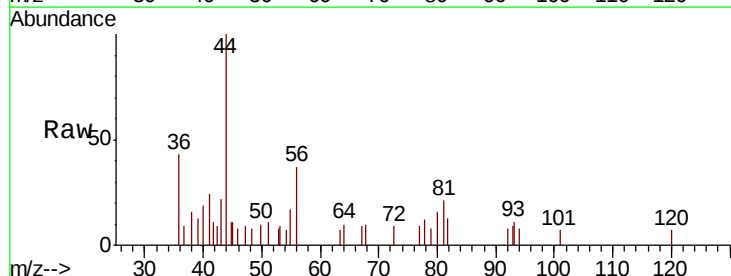
Instrument :
MSVOA_X
ClientSampleId :
VX0725WBL01

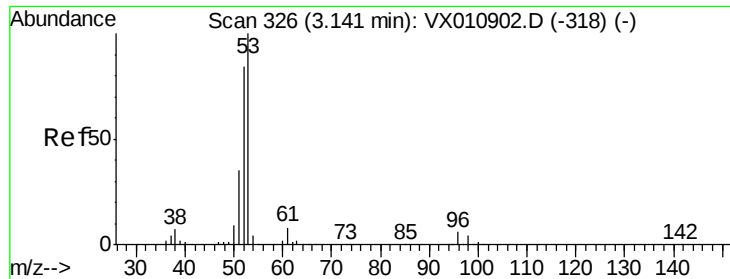
Tot Ion:142 Resp: 827
Ion Ratio Lower Upper
142 100
127 45.5 34.2 51.4
141 11.0 11.7 17.5#



#13
Acrolein
Concen: 1.470 ug/l
RT: 2.29 min Scan# 186
Delta R.T. -0.01 min
Lab File: VX011065.D
Acq: 25 Jul 2019 10:05

Tgt Ion: 56 Resp: 453
Ion Ratio Lower Upper
56 100
55 113.2 55.9 83.9#

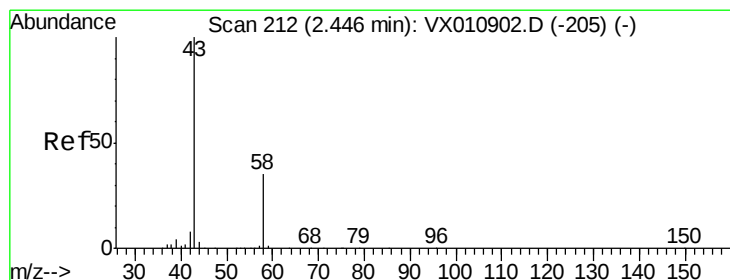
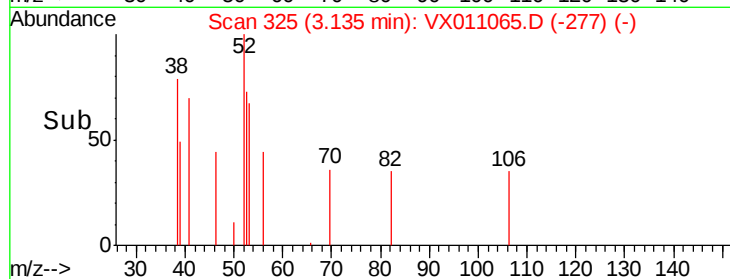
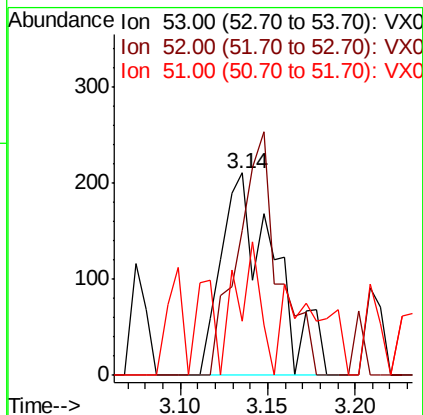
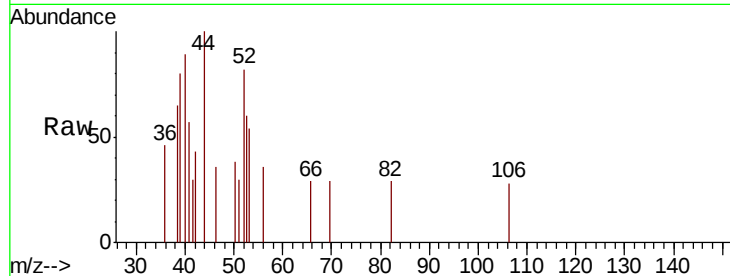




#15
 Acrylonitrile
 Concen: 0.414 ug/l
 RT: 3.14 min Scan# 325
 Delta R.T. -0.01 min
 Lab File: VX011065.D
 Acq: 25 Jul 2019 10:05

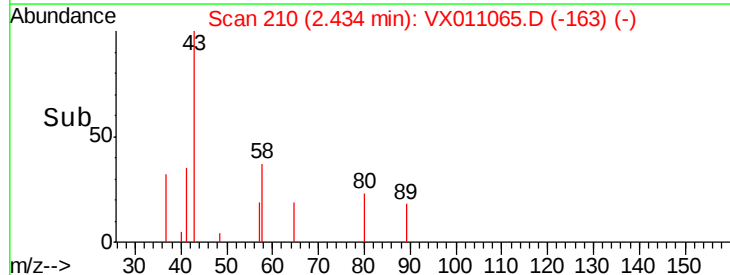
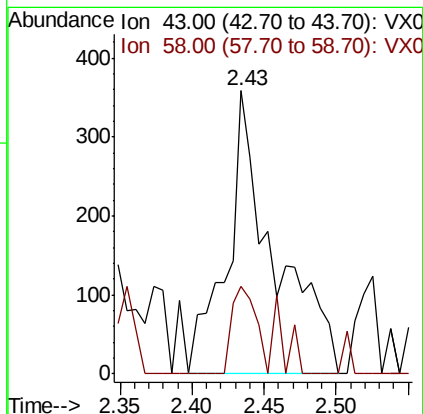
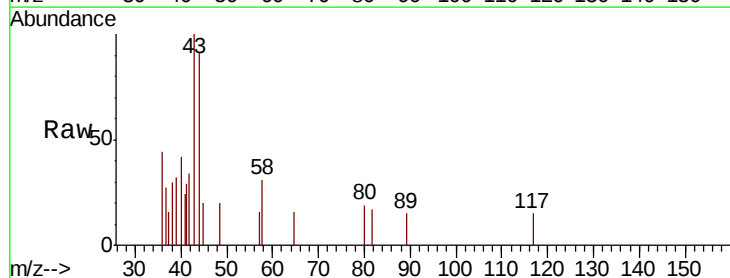
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0725WBL01

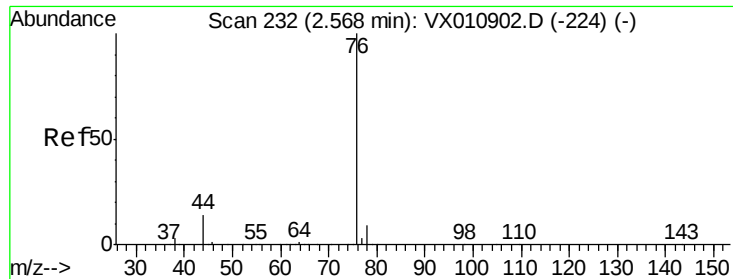
Tot Ion: 53 Resp: 446
 Ion Ratio Lower Upper
 53 100
 52 90.8 66.5 99.7
 51 29.1 28.2 42.4



#16
 Acetone
 Concen: 0.792 ug/l
 RT: 2.43 min Scan# 210
 Delta R.T. -0.01 min
 Lab File: VX011065.D
 Acq: 25 Jul 2019 10:05

Tgt Ion: 43 Resp: 819
 Ion Ratio Lower Upper
 43 100
 58 30.7 27.7 41.5

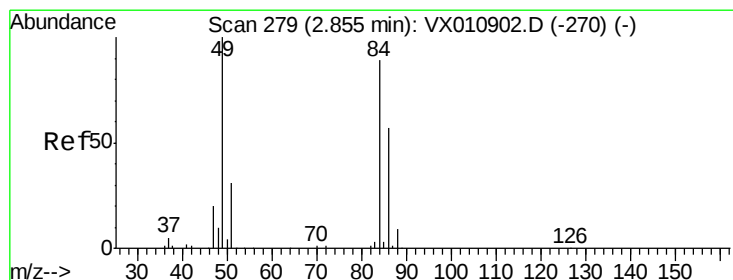
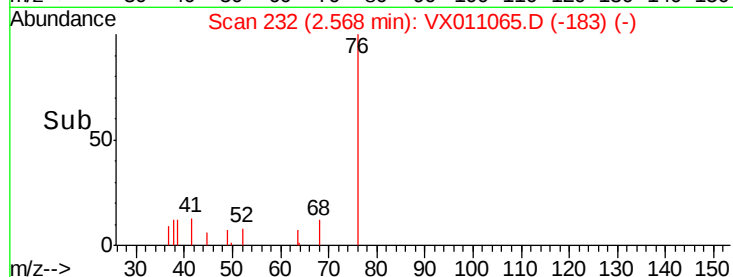
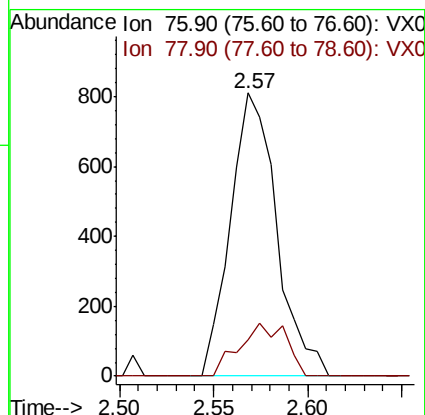
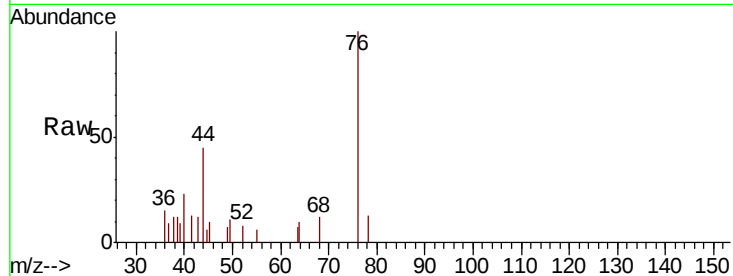




#17
Carbon Disulfide
Concen: 0.281 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX011065.D
Acq: 25 Jul 2019 10:05

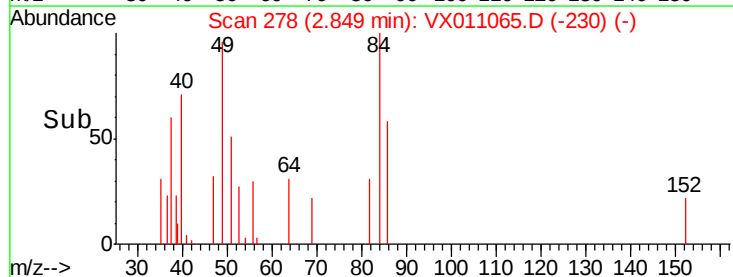
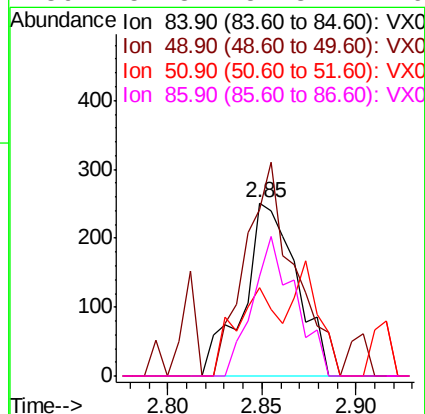
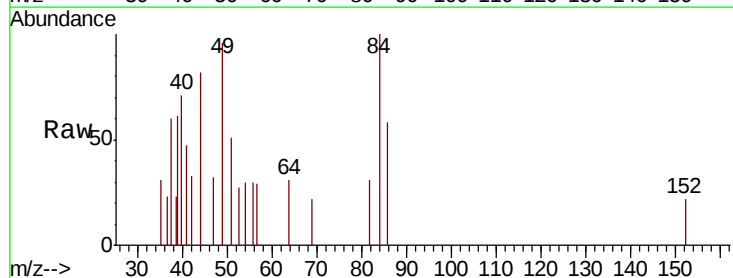
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MSVOA_X
ClientSampleId :
VX0725WBL01

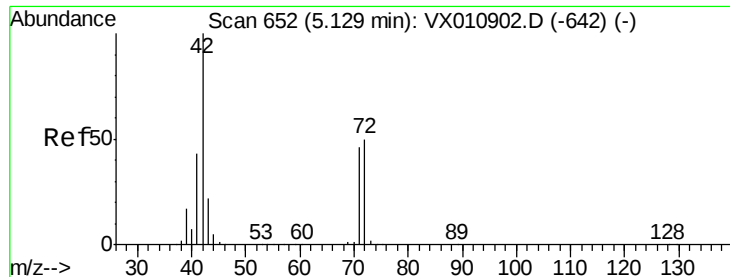
Tot Ion: 76 Resp: 1382
Ion Ratio Lower Upper
76 100
78 13.1 7.4 11.0#



#20
Methylene Chloride
Concen: 0.222 ug/l
RT: 2.85 min Scan# 278
Delta R.T. -0.01 min
Lab File: VX011065.D
Acq: 25 Jul 2019 10:05

Tgt Ion: 84 Resp: 486
Ion Ratio Lower Upper
84 100
49 96.4 89.9 134.9
51 51.4 27.8 41.6#
86 57.8 51.8 77.6

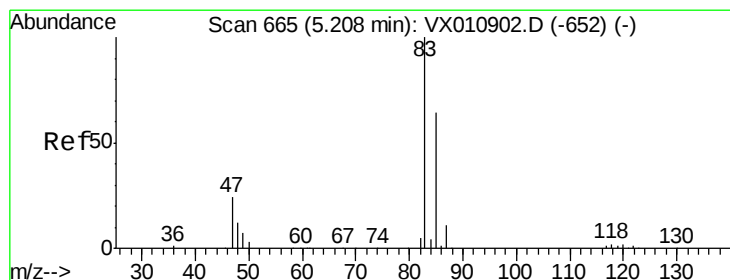
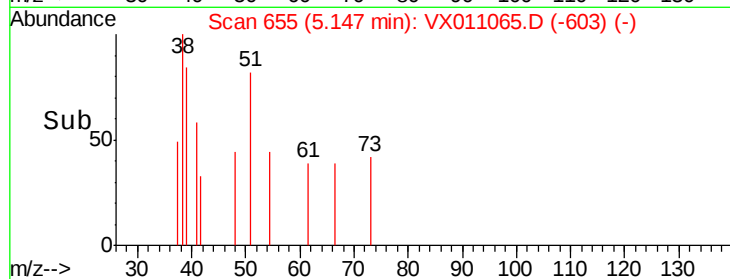
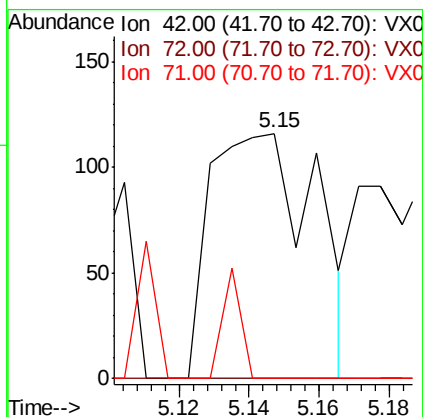
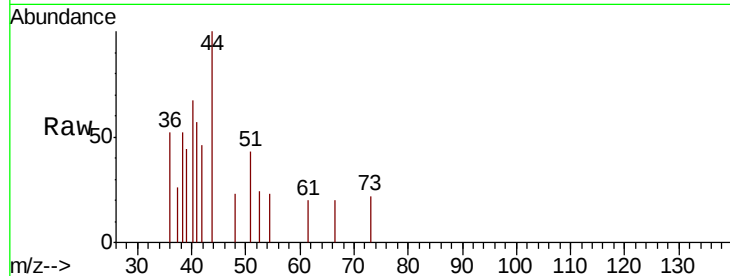




#29
Tetrahydrofuran
Concen: 0.257 ug/l
RT: 5.15 min Scan# 655
Delta R.T. 0.02 min
Lab File: VX011065.D
Acq: 25 Jul 2019 10:05

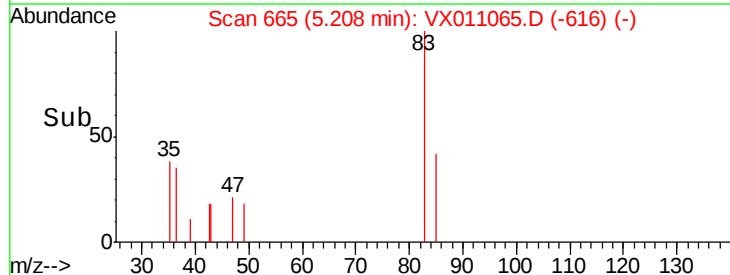
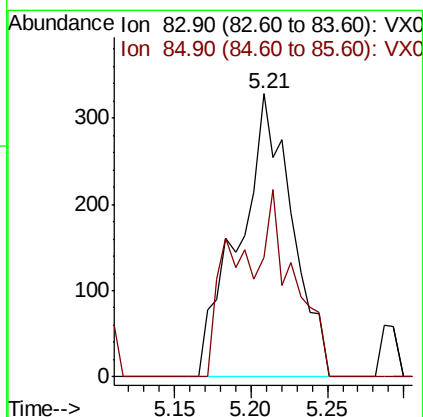
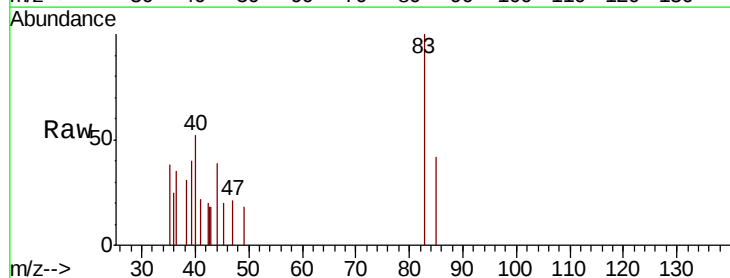
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MSVOA_X
ClientSampled :
VX0725WBL01

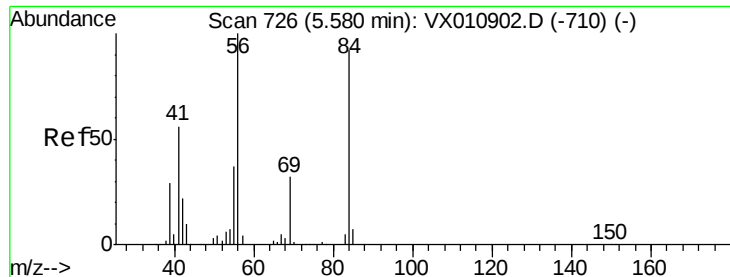
Tot Ion: 42 Resp: 242
Ion Ratio Lower Upper
42 100
72 0.0 39.8 59.8#
71 7.9 37.0 55.4#



#30
Chloroform
Concen: 0.215 ug/l
RT: 5.21 min Scan# 665
Delta R.T. 0.00 min
Lab File: VX011065.D
Acq: 25 Jul 2019 10:05

Tgt Ion: 83 Resp: 793
Ion Ratio Lower Upper
83 100
85 42.1 51.4 77.0#

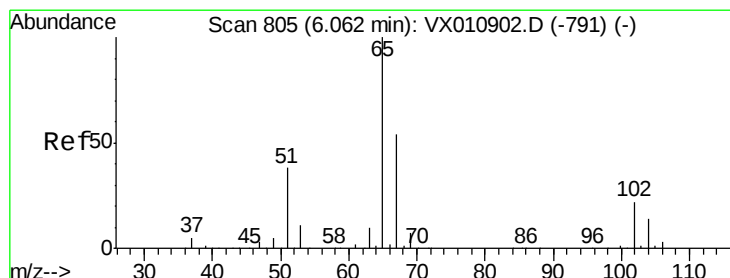
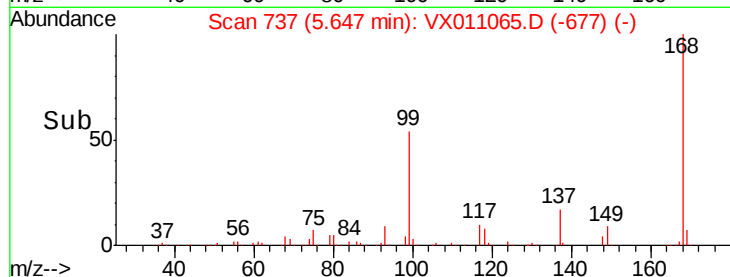
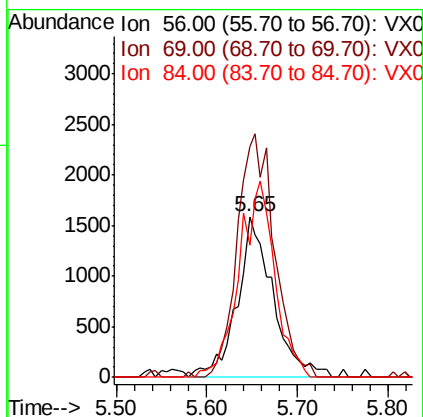
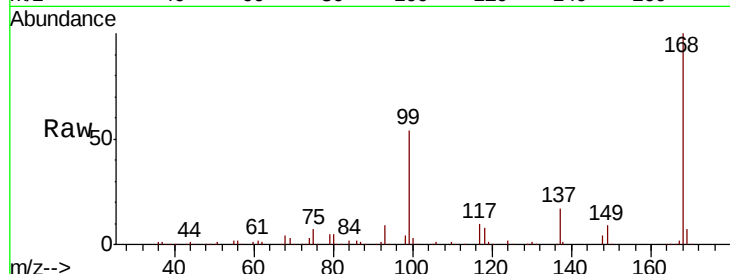




#31
Cyclohexane
Concen: 1.401 ug/l
RT: 5.65 min Scan# 737
Delta R.T. 0.07 min
Lab File: VX011065.D
Acq: 25 Jul 2019 10:05

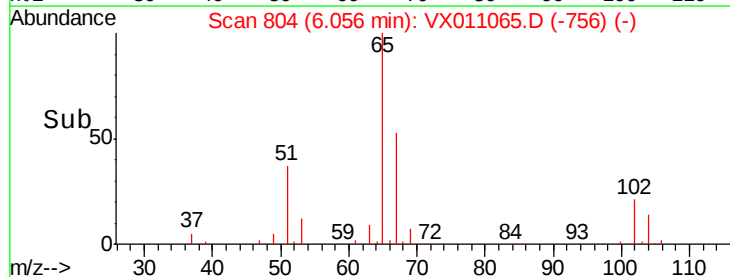
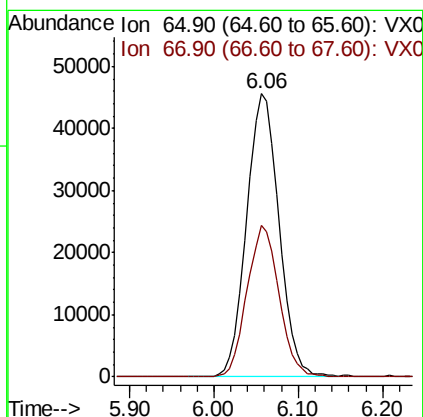
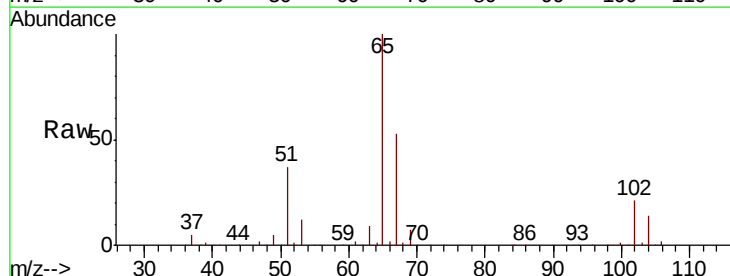
Instrument :
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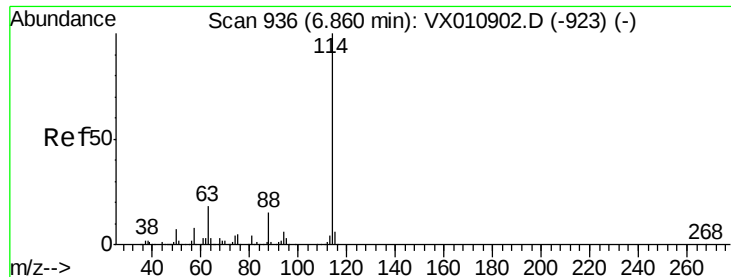
Tot Ion: 56 Resp: 4357
Ion Ratio Lower Upper
56 100
69 143.9 25.8 38.8#
84 82.4 73.8 110.6



#33
1,2-Dichloroethane-d4
Concen: 51.903 ug/l
RT: 6.06 min Scan# 804
Delta R.T. -0.01 min
Lab File: VX011065.D
Acq: 25 Jul 2019 10:05

Tgt Ion: 65 Resp: 118863
Ion Ratio Lower Upper
65 100
67 53.0 0.0 107.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. -0.01 min

Lab File: VX011065.D

Acq: 25 Jul 2019 10:05

Instrument :

MSVOA_X

ClientSampleId :

VX0725WBL01

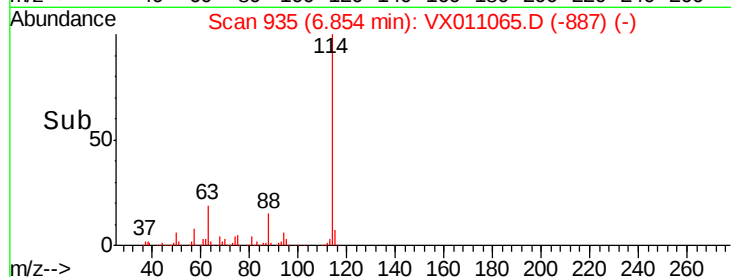
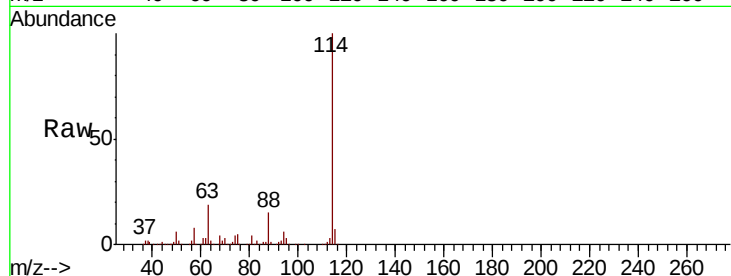
Tot Ion:114 Resp: 344908

Ion Ratio Lower Upper

114 100

63 18.8 0.0 35.6

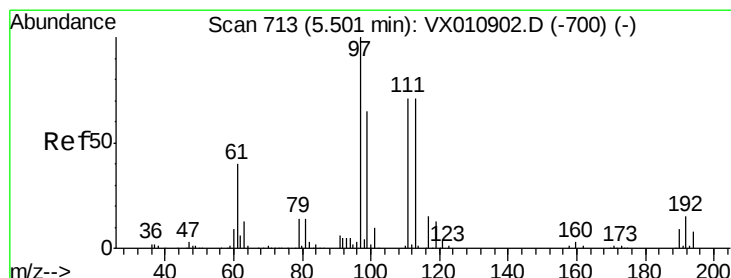
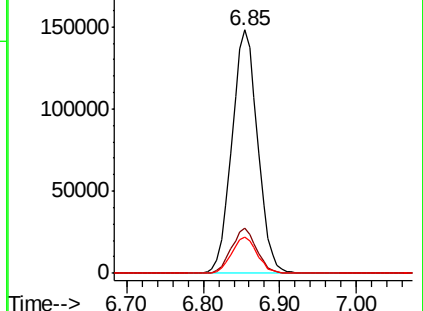
88 14.9 0.0 29.8



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: 50.068 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX011065.D

Acq: 25 Jul 2019 10:05

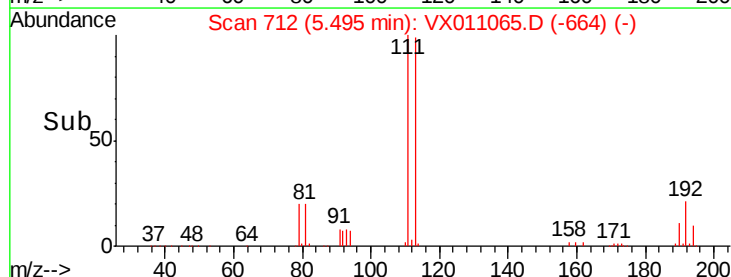
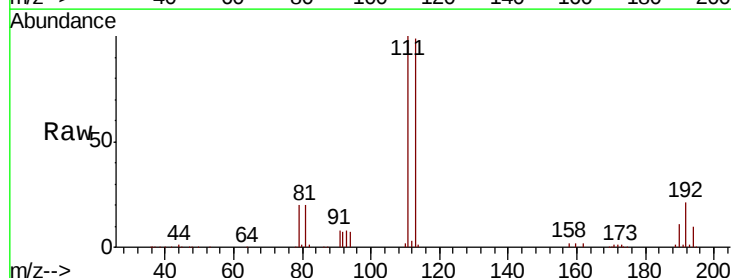
Tgt Ion:113 Resp: 109610

Ion Ratio Lower Upper

113 100

111 102.1 82.3 123.5

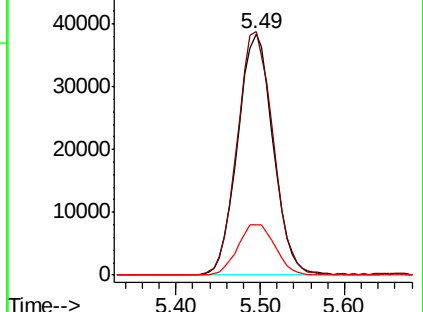
192 22.0 17.4 26.2

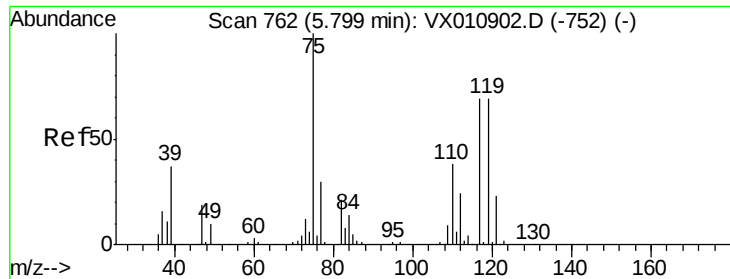


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.182 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.15 min

Lab File: VX011065.D

Acq: 25 Jul 2019 10:05

Instrument :

MSVOA_X

ClientSampleId :

VX0725WBL01

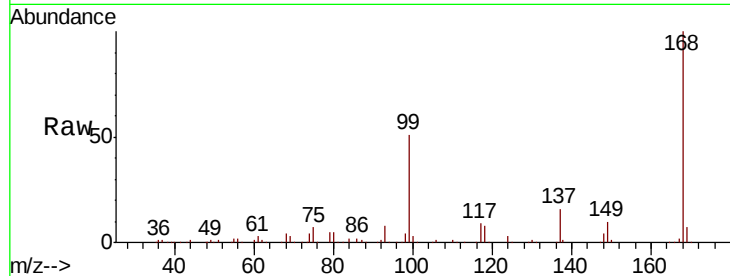
Tot Ion: 75 Resp: 14681

Ion Ratio Lower Upper

75 100

110 11.0 19.9 59.7#

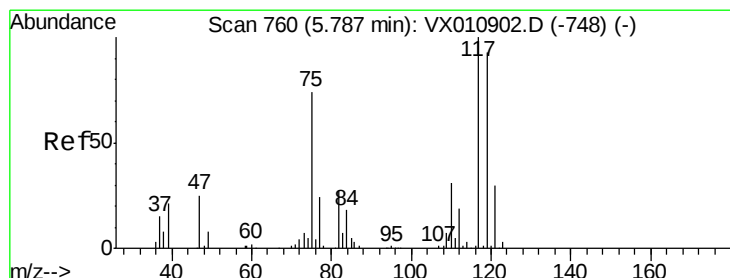
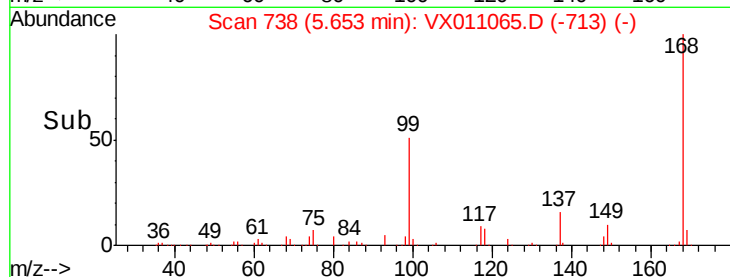
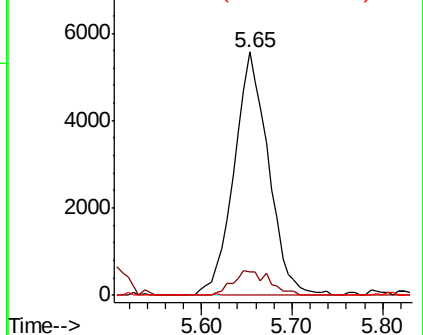
77 0.0 25.0 37.4#



Abundance Ion 74.90 (74.60 to 75.60): VX011065.D (-713) (-)

Ion 109.90 (109.60 to 110.60): VX011065.D (-713) (-)

Ion 76.90 (76.60 to 77.60): VX011065.D (-713) (-)



#38

Carbon Tetrachloride

Concen: 6.831 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX011065.D

Acq: 25 Jul 2019 10:05

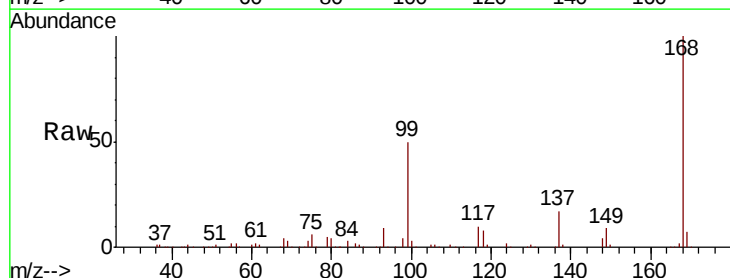
Tgt Ion: 117 Resp: 20166

Ion Ratio Lower Upper

117 100

119 5.4 74.2 111.2#

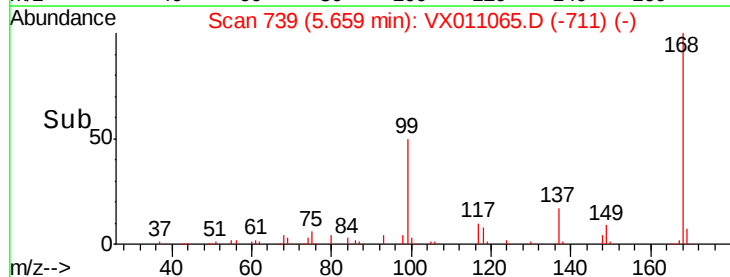
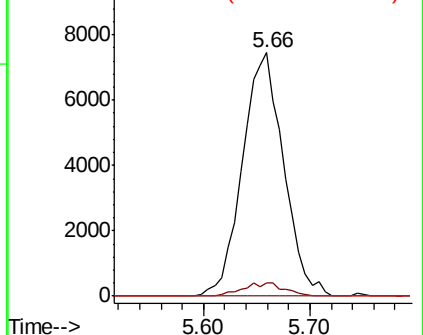
121 0.0 24.2 36.2#

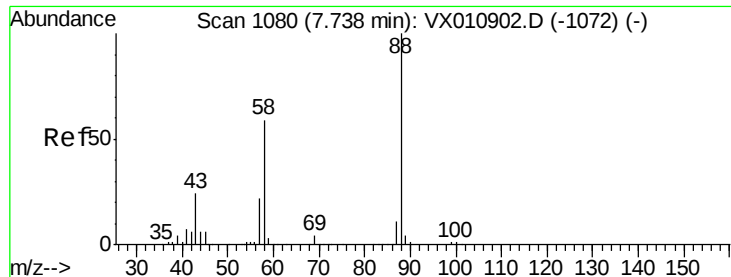


Abundance Ion 116.80 (116.50 to 117.50): VX011065.D (-711) (-)

Ion 118.80 (118.50 to 119.50): VX011065.D (-711) (-)

Ion 120.80 (120.50 to 121.50): VX011065.D (-711) (-)

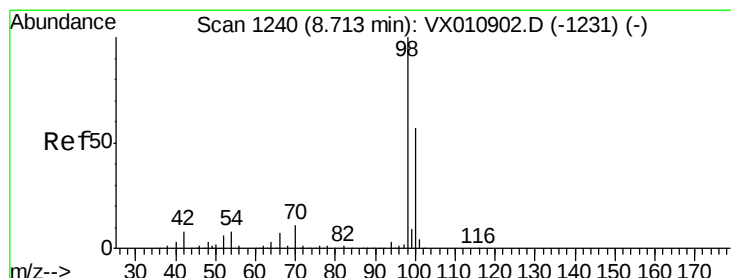
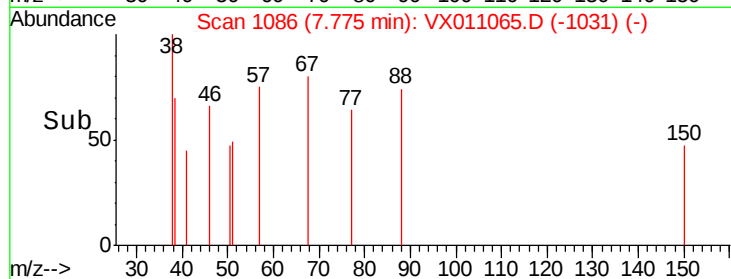
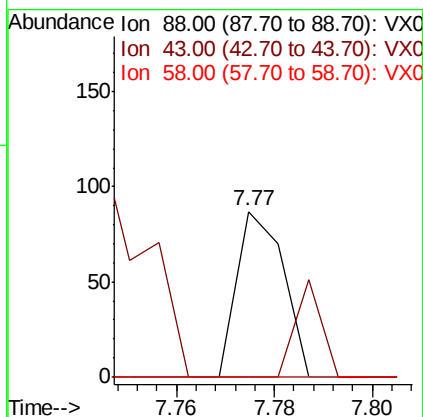
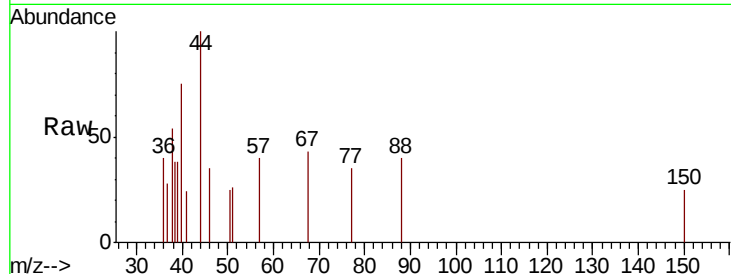




#49
 1,4-Dioxane
 Concen: 0.877 ug/l
 RT: 7.77 min Scan# 1086
 Delta R.T. 0.04 min
 Lab File: VX011065.D
 Acq: 25 Jul 2019 10:05

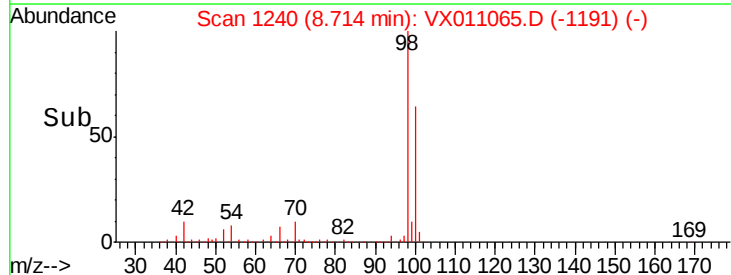
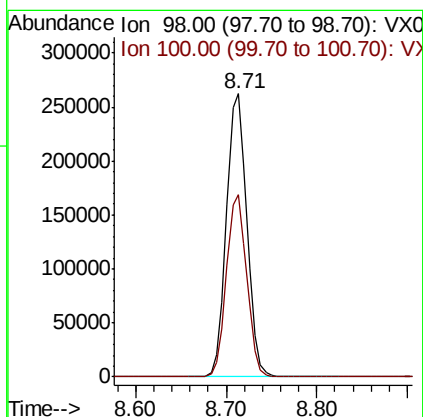
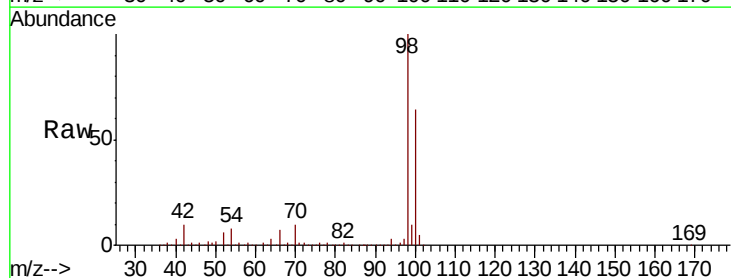
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0725WBL01

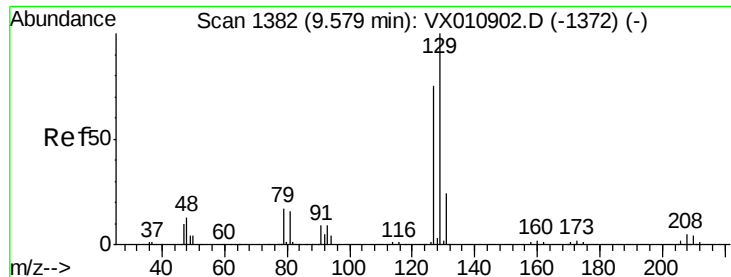
Tot Ion: 88 Resp: 57
 Ion Ratio Lower Upper
 88 100
 43 33.3 22.9 34.3
 58 0.0 49.8 74.8#



#50
 Toluene-d8
 Concen: 49.908 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VX011065.D
 Acq: 25 Jul 2019 10:05

Tgt Ion: 98 Resp: 409790
 Ion Ratio Lower Upper
 98 100
 100 64.1 50.6 75.8





#60

Dibromochloromethane

Concen: 2.535 ug/l

RT: 9.79 min Scan# 1417

Delta R.T. 0.21 min

Lab File: VX011065.D

Acq: 25 Jul 2019 10:05

Instrument :

MSVOA_X

ClientSampleId :

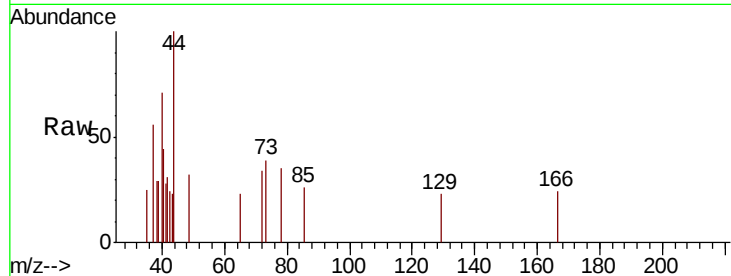
VX0725WBL01

Tot Ion:129 Resp: 19

Ion Ratio Lower Upper

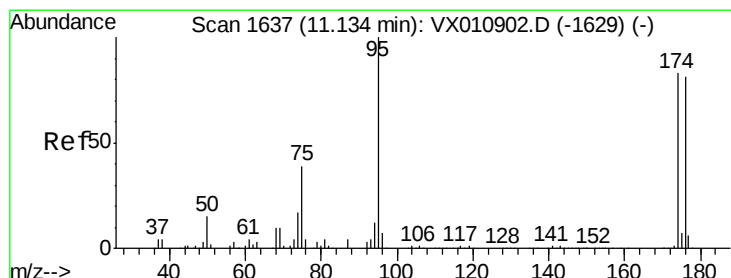
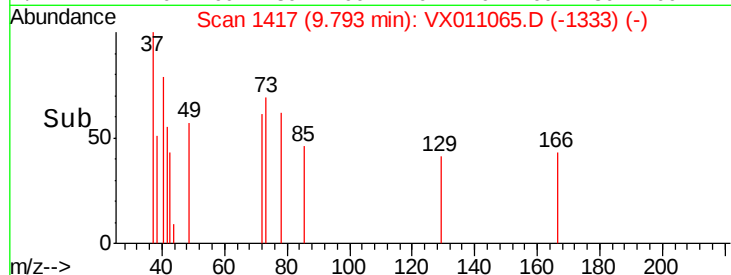
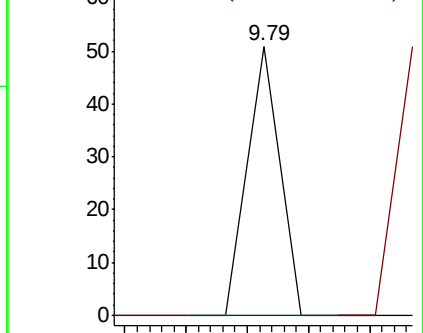
129 100

127 0.0 38.6 115.8#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 47.970 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011065.D

Acq: 25 Jul 2019 10:05

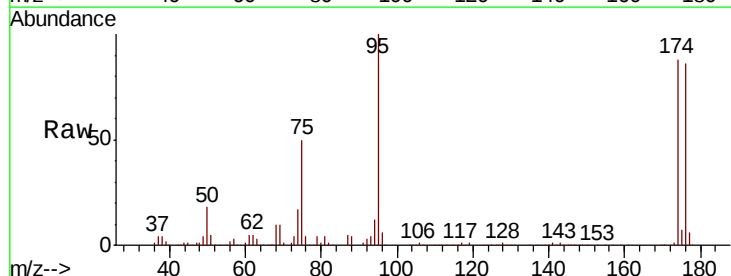
Tgt Ion: 95 Resp: 144778

Ion Ratio Lower Upper

95 100

174 90.6 0.0 180.6

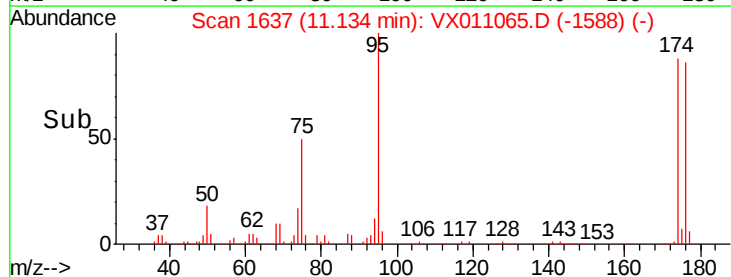
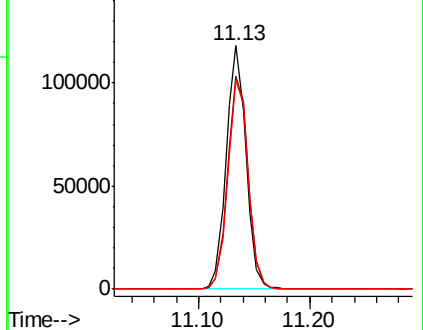
176 88.4 0.0 173.8

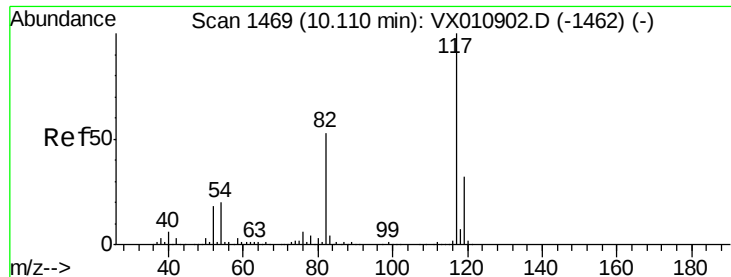


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

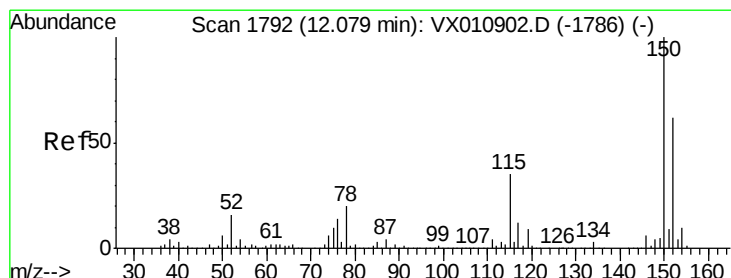
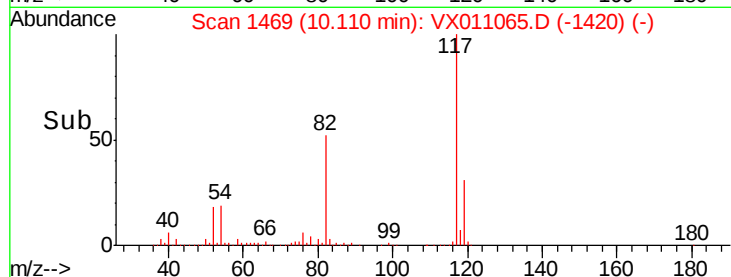
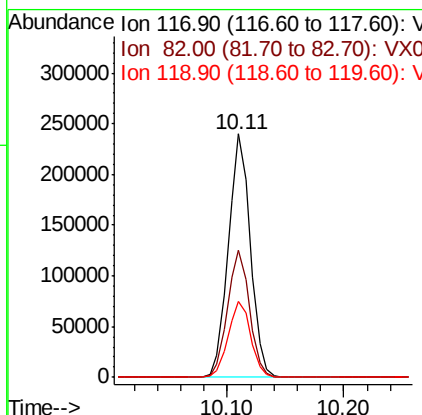
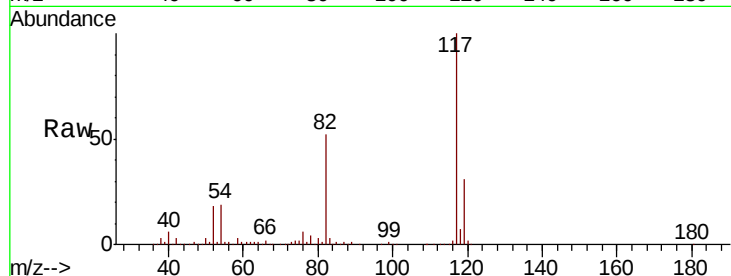




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011065.D
Acq: 25 Jul 2019 10:05

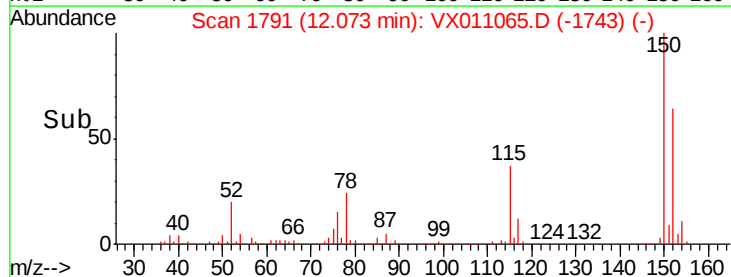
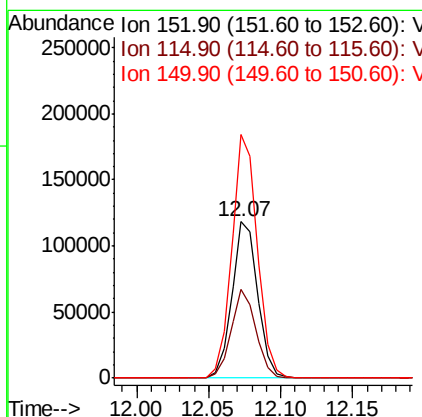
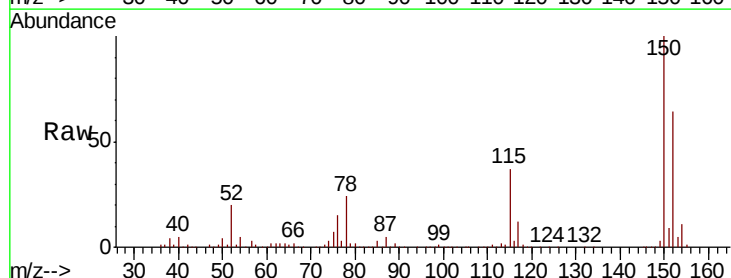
Instrument :
MSVOA_X
ClientSampleId :
VX0725WBL01

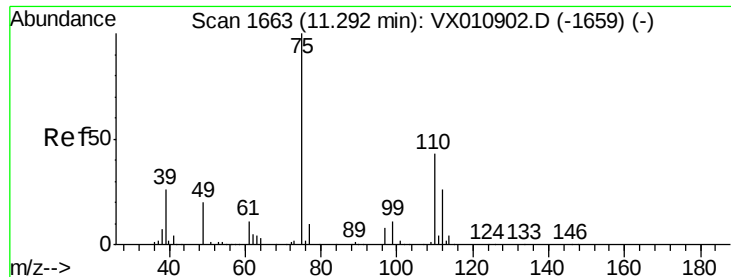
Tot Ion:117 Resp: 314939
Ion Ratio Lower Upper
117 100
82 52.1 42.6 63.8
119 31.4 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1791
Delta R.T. -0.01 min
Lab File: VX011065.D
Acq: 25 Jul 2019 10:05

Tgt Ion:152 Resp: 147346
Ion Ratio Lower Upper
152 100
115 55.2 39.7 119.1
150 155.1 0.0 345.6

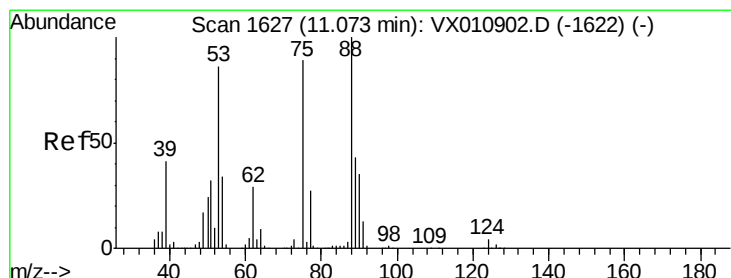
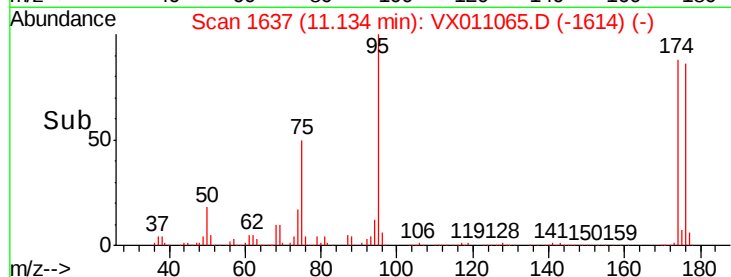
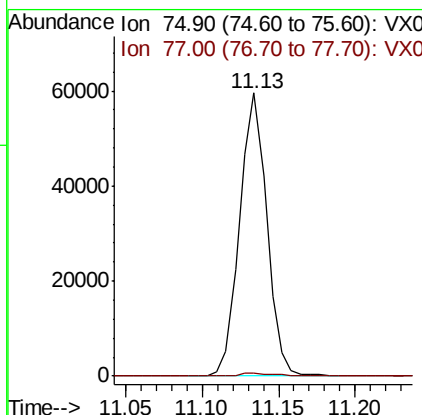
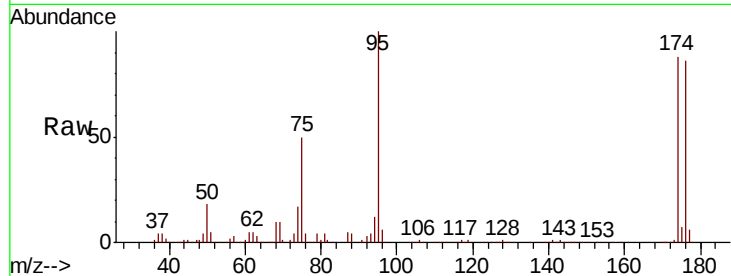




#76
 1,2,3-Trichloropropane
 Concen: 27.654 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX011065.D
 Acq: 25 Jul 2019 10:05

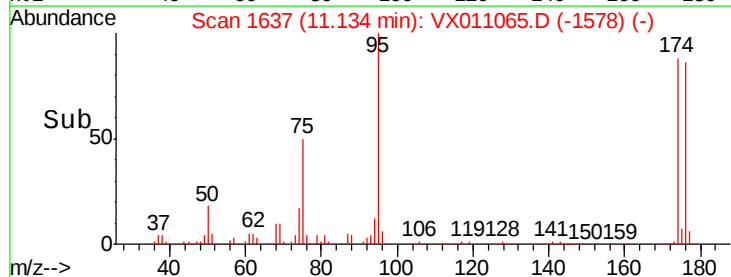
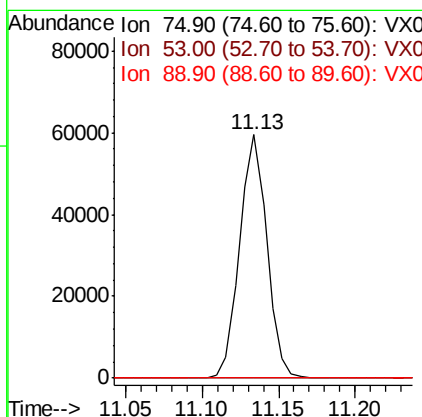
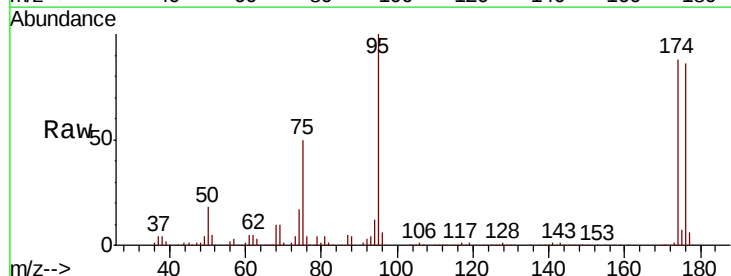
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0725WBL01

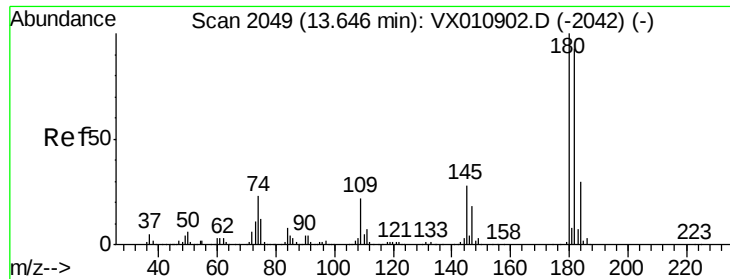
Tot Ion: 75 Resp: 73530
 Ion Ratio Lower Upper
 75 100
 77 1.2 21.3 64.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.466 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX011065.D
 Acq: 25 Jul 2019 10:05

Tgt Ion: 75 Resp: 73530
 Ion Ratio Lower Upper
 75 100
 53 0.1 76.7 115.1#
 89 0.0 38.5 57.7#

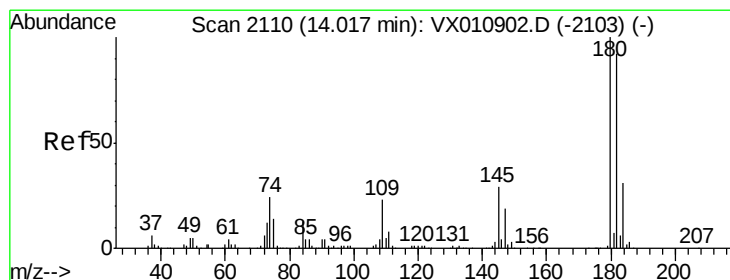
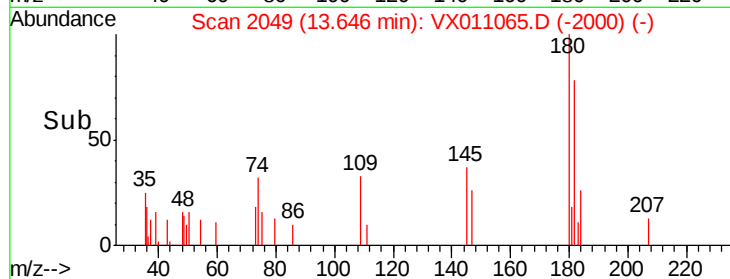
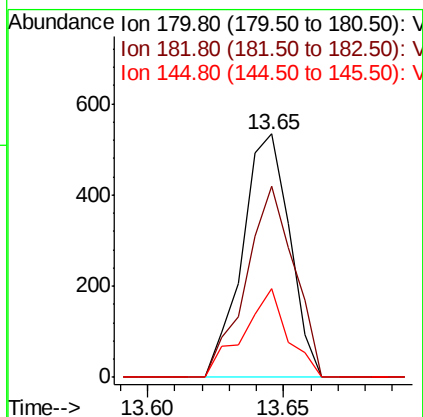
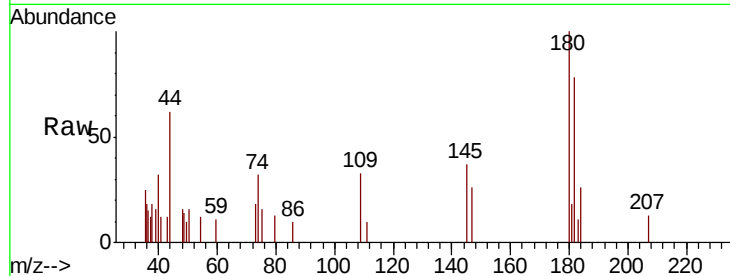




#93
 1,2,4-Trichlorobenzene
 Concen: 0.202 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX011065.D
 Acq: 25 Jul 2019 10:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0725WBL01

Tot Ion:180 Resp: 646
 Ion Ratio Lower Upper
 180 100
 182 79.4 47.1 141.3
 145 34.1 14.8 44.4



#96
 1,2,3-Trichlorobenzene
 Concen: 0.212 ug/l
 RT: 14.02 min Scan# 2110
 Delta R.T. 0.00 min
 Lab File: VX011065.D
 Acq: 25 Jul 2019 10:05

Tgt Ion:180 Resp: 676
 Ion Ratio Lower Upper
 180 100
 182 89.3 47.4 142.3
 145 34.3 15.1 45.3

