

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051019\
 Data File : VX009478.D
 Acq On : 10 May 2019 13:14
 Operator : JC/SP
 Sample : K2800-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 EFFL-4

Quant Time: May 11 02:33:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X050119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 02 06:46:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.01	128	28388	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	160272	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	139173	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	69901	29.68	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.93%
60) 4-Bromofluorobenzene	11.13	95	65866	27.85	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	92.83%
63) Toluene-d8	8.71	98	197215	29.89	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.63%

Target Compounds

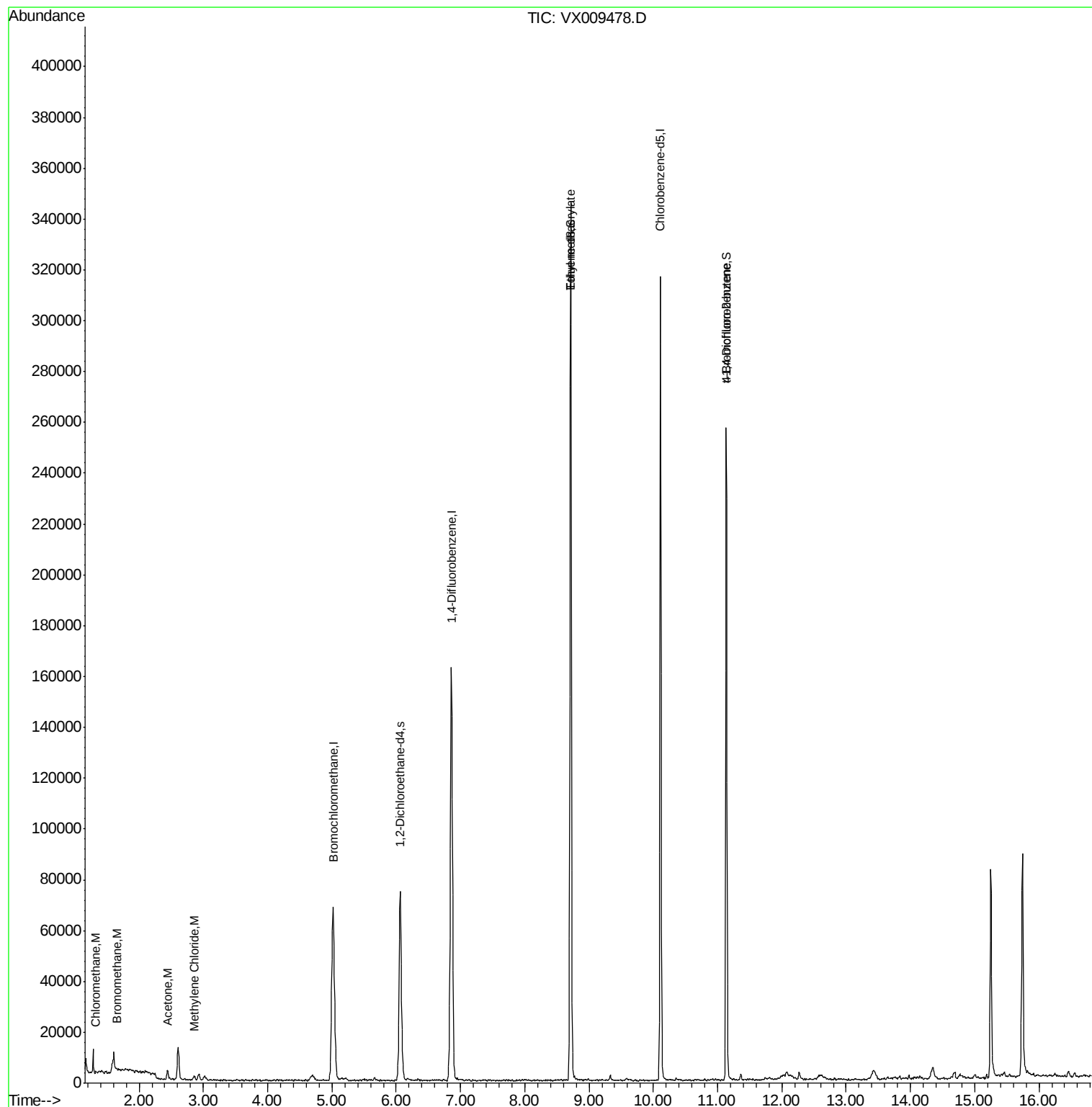
					Ovalue
3) Chloromethane	1.32	50	872	0.430 ug/l	95
5) Bromomethane	1.65	94	276	0.215 ug/l #	1
15) Acetone	2.44	58	1245	3.416 ug/l	81
18) Methylene Chloride	2.85	84	626	0.334 ug/l #	84
51) Ethyl methacrylate	8.72	69	841	0.253 ug/l	95
77) t-1,4-Dichloro-2-butene	11.13	75	32941	32.350 ug/l #	10

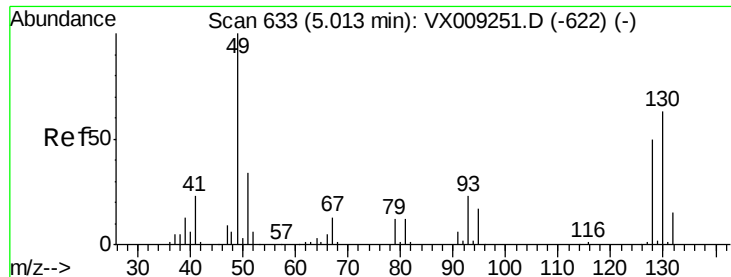
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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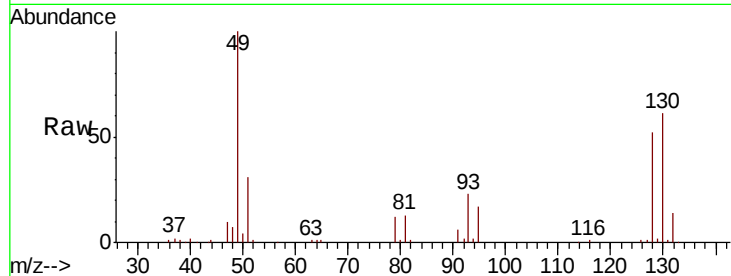


#1

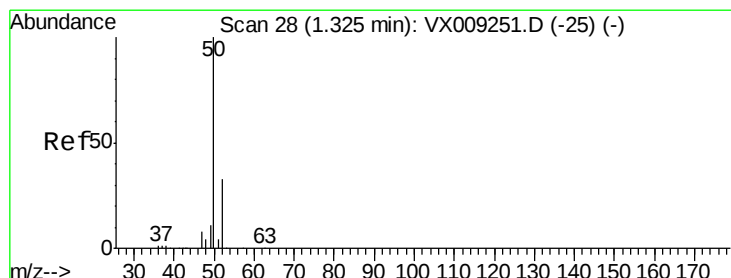
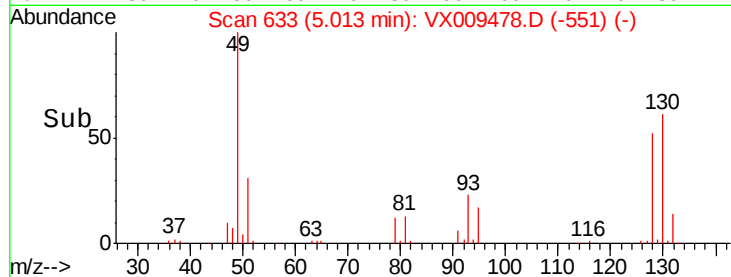
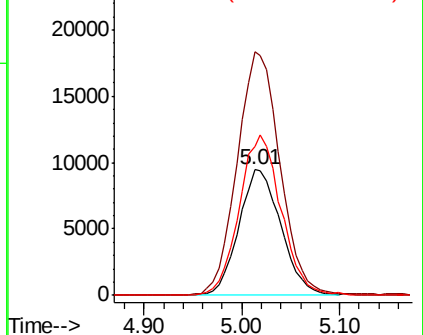
Bromochloromethane
Concen: 30.000 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.00 min
Lab File: VX009478.D
Acq: 10 May 2019 13:14

Instrument :
MSVOA_X
ClientSampleId :
EFFL-4

Tot Ion:128 Resp: 28388
Ion Ratio Lower Upper
128 100
49 196.2 0.0 515.0
130 126.4 0.0 323.3



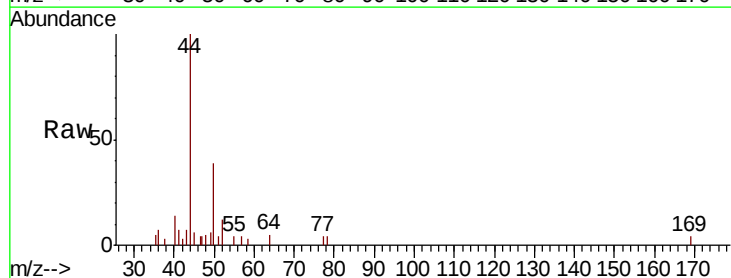
Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VX0
Ion 130.00 (129.70 to 130.70): V



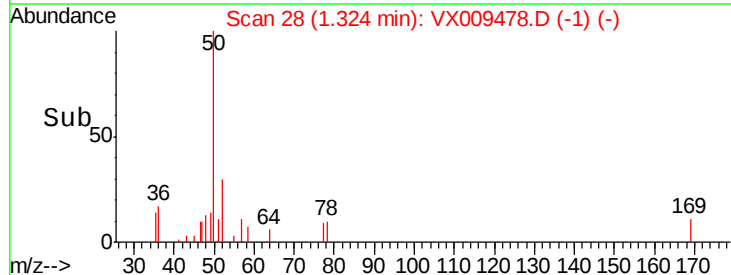
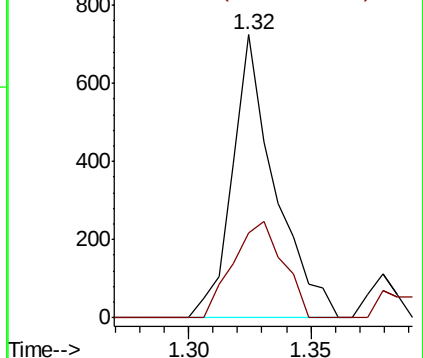
#3

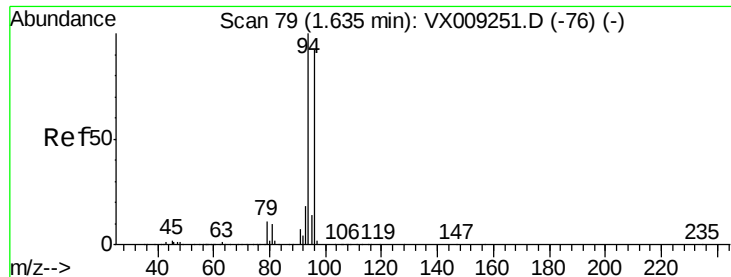
Chloromethane
Concen: 0.430 ug/l
RT: 1.32 min Scan# 28
Delta R.T. -0.00 min
Lab File: VX009478.D
Acq: 10 May 2019 13:14

Tgt Ion: 50 Resp: 872
Ion Ratio Lower Upper
50 100
52 29.8 26.3 39.5



Abundance Ion 50.00 (49.70 to 50.70): VX0
Ion 52.00 (51.70 to 52.70): VX0





#5

Bromomethane

Concen: 0.215 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX009478.D

Acq: 10 May 2019 13:14

Instrument :

MSVOA_X

ClientSampled :

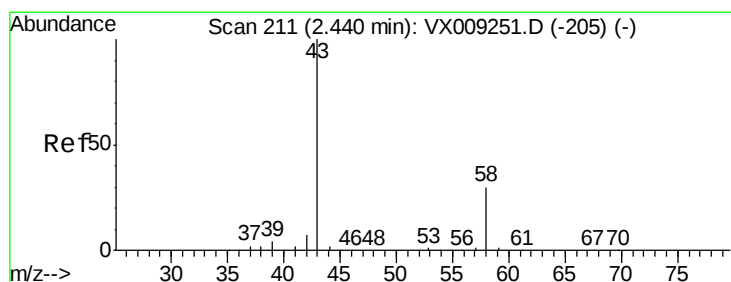
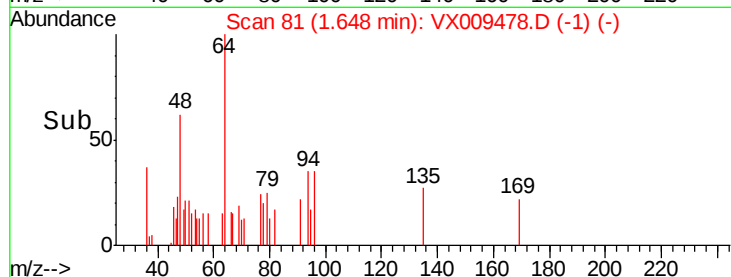
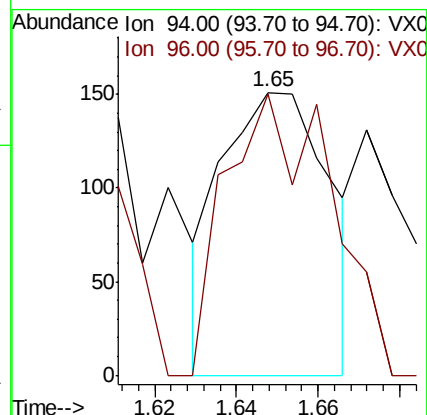
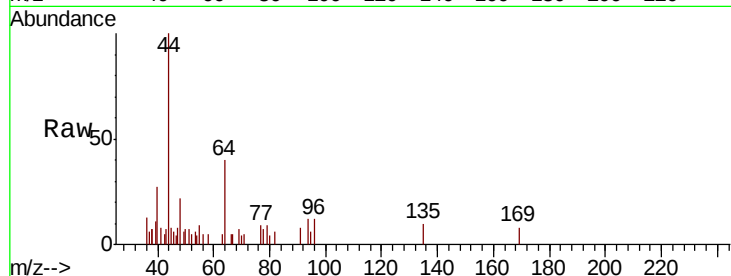
EFFL-4

Tot Ion: 94 Resp: 276

Ion Ratio Lower Upper

94 100

96 187.5 73.5 110.3#



#15

Acetone

Concen: 3.416 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX009478.D

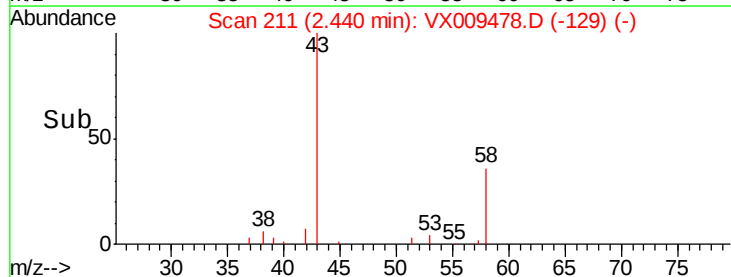
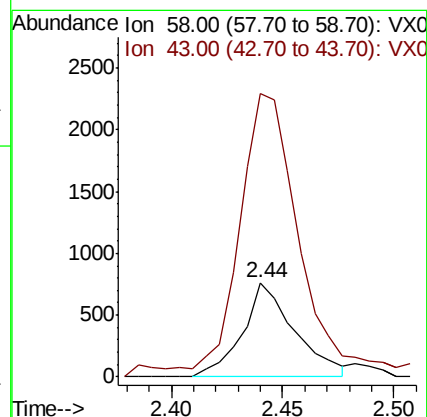
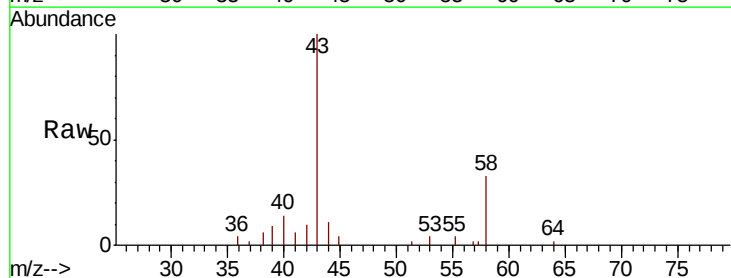
Acq: 10 May 2019 13:14

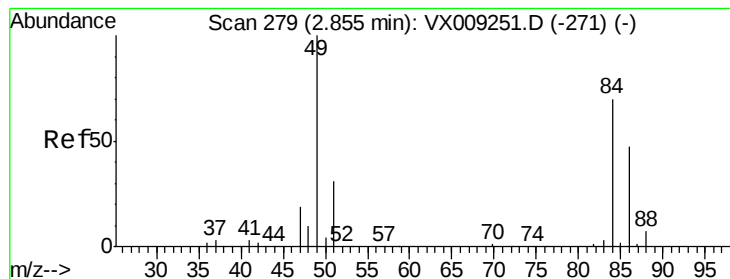
Tgt Ion: 58 Resp: 1245

Ion Ratio Lower Upper

58 100

43 290.6 264.0 396.0





#18

Methylene Chloride

Concen: 0.334 ug/l

RT: 2.85 min Scan# 279

Delta R.T. -0.00 min

Lab File: VX009478.D

Acq: 10 May 2019 13:14

Instrument :

MSVOA_X

ClientSampled :

EFFL-4

Tot Ion: 84 Resp: 626

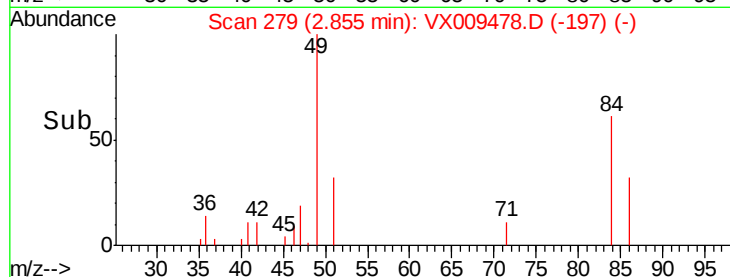
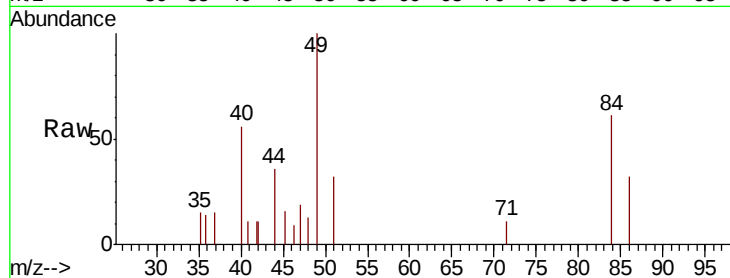
Ion Ratio Lower Upper

84 100

49 163.4 114.6 171.8

51 51.8 35.5 53.3

86 52.3 53.4 80.2#

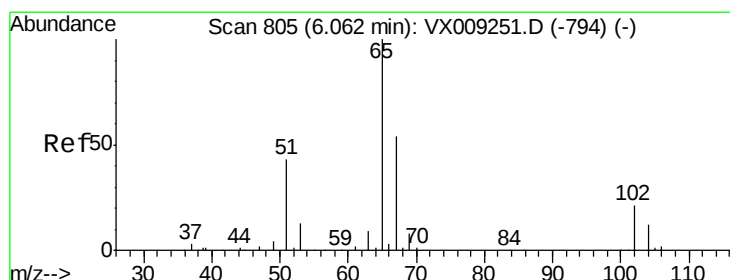
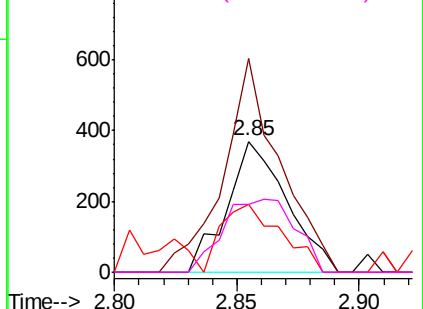


Abundance Ion 84.00 (83.70 to 84.70): VX0

Ion 49.00 (48.70 to 49.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#27

1,2-Dichloroethane-d4

Concen: 29.683 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX009478.D

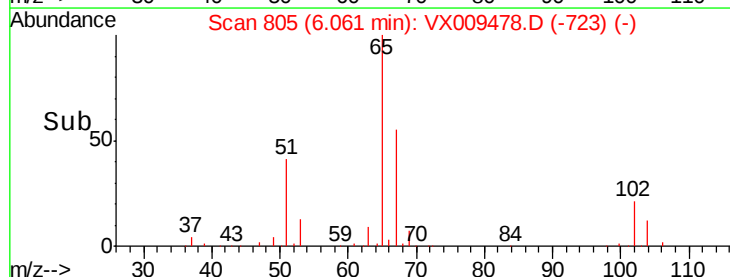
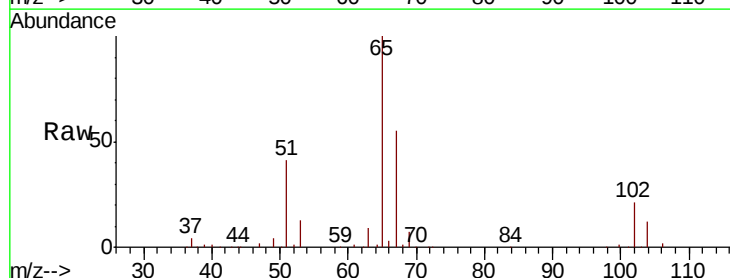
Acq: 10 May 2019 13:14

Tgt Ion: 65 Resp: 69901

Ion Ratio Lower Upper

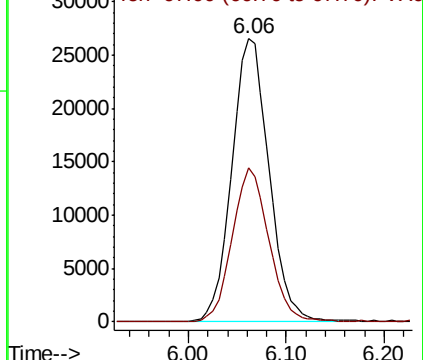
65 100

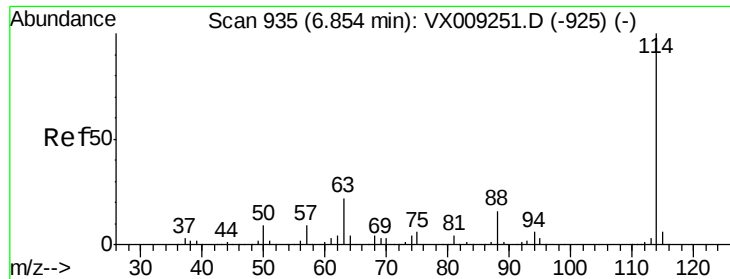
67 53.5 43.1 64.7



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

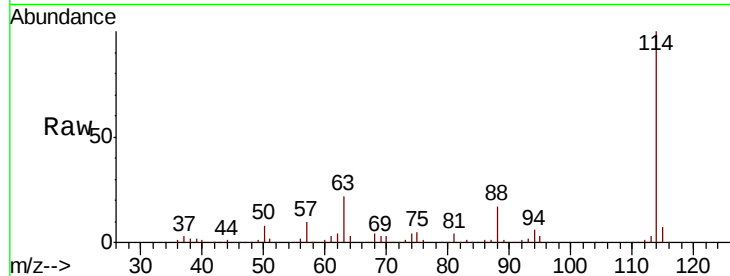




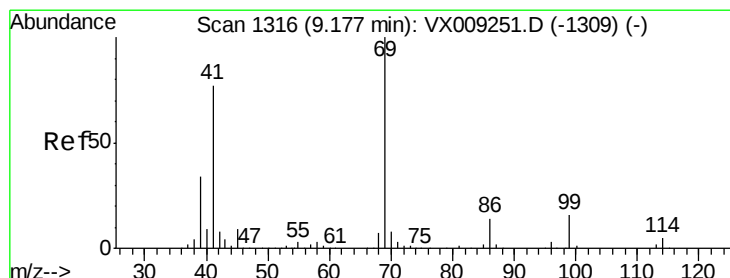
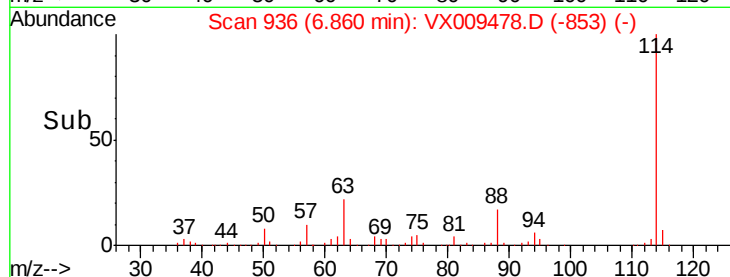
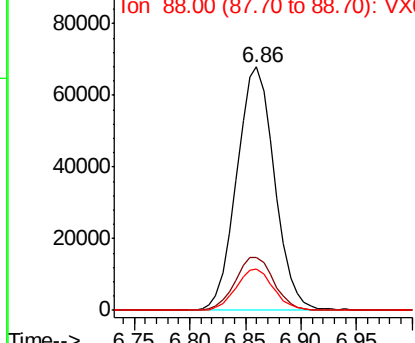
#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. 0.01 min
Lab File: VX009478.D
Acq: 10 May 2019 13:14

Instrument :
MSVOA_X
ClientSampleId :
EFFL-4

Tot Ion:114 Resp: 160272
Ion Ratio Lower Upper
114 100
63 22.5 18.0 27.0
88 16.8 13.4 20.0

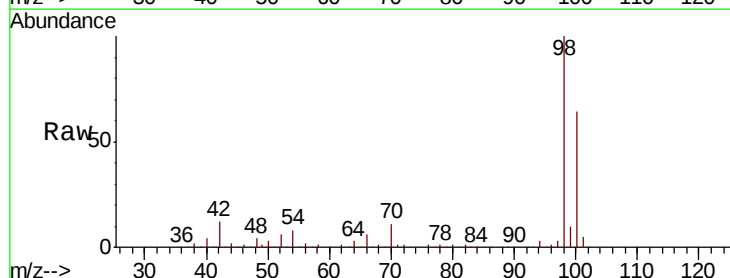


Abundance Ion 114.00 (113.70 to 114.70): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 88.00 (87.70 to 88.70): VX0

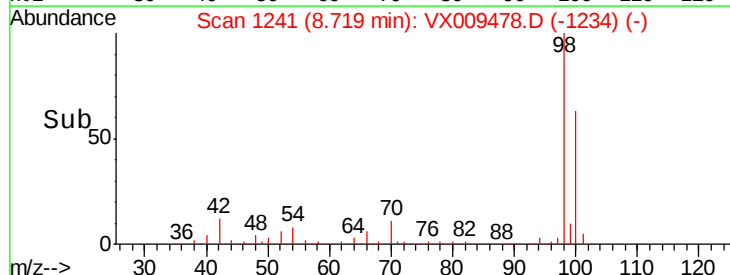
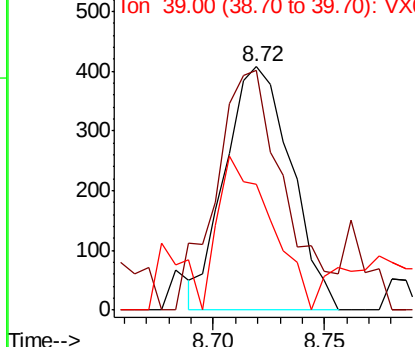


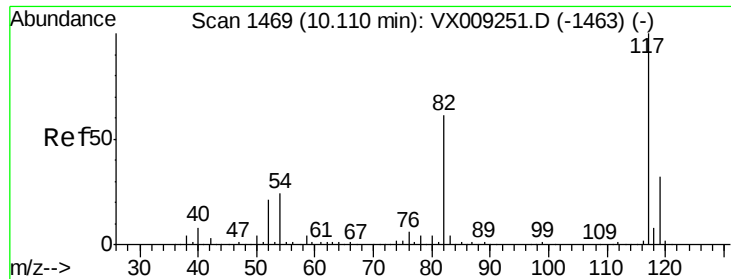
#51
Ethyl methacrylate
Concen: 0.253 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. -0.46 min
Lab File: VX009478.D
Acq: 10 May 2019 13:14

Tgt Ion: 69 Resp: 841
Ion Ratio Lower Upper
69 100
41 83.1 38.4 115.2
39 33.8 17.2 51.5



Abundance Ion 69.00 (68.70 to 69.70): VX0
Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0

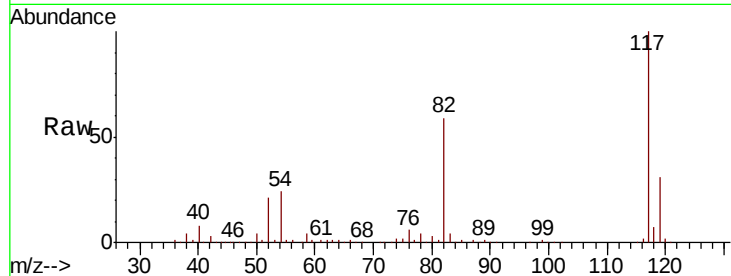




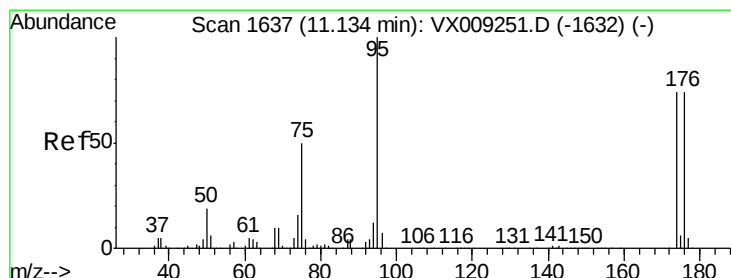
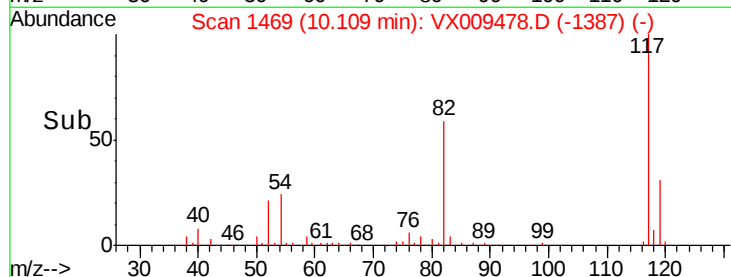
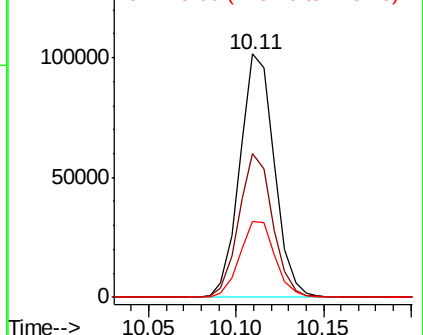
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009478.D
Acq: 10 May 2019 13:14

Instrument :
MSVOA_X
ClientSampled :
EFFL-4

Tot Ion:117 Resp: 139173
Ion Ratio Lower Upper
117 100
82 57.9 47.8 71.8
119 31.8 25.6 38.4

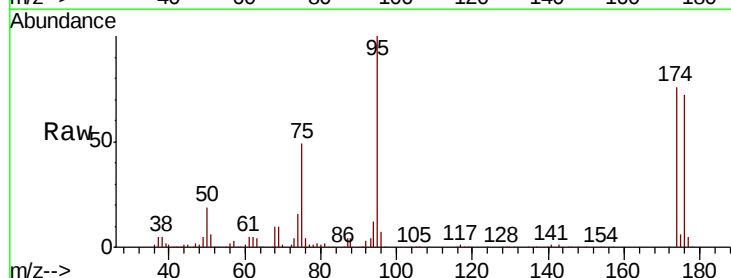


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 119.00 (118.70 to 119.70): V

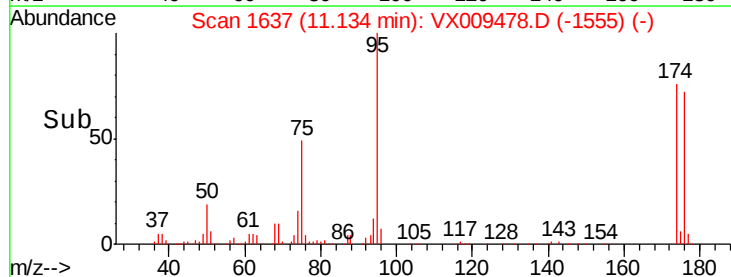
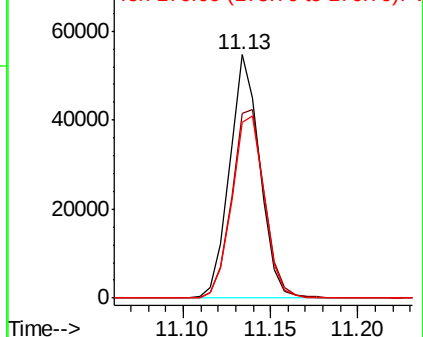


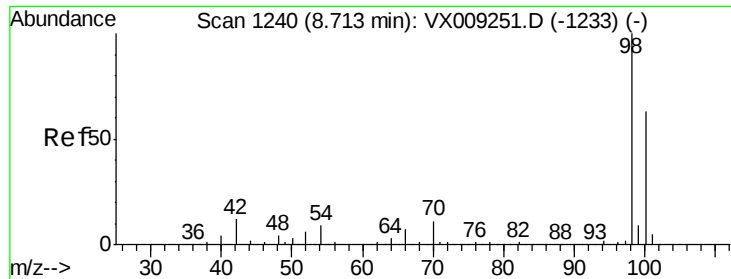
#60
4-Bromofluorobenzene
Concen: 27.852 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX009478.D
Acq: 10 May 2019 13:14

Tgt Ion: 95 Resp: 65866
Ion Ratio Lower Upper
95 100
174 83.6 63.6 95.4
176 80.5 62.4 93.6



Abundance Ion 95.00 (94.70 to 95.70): VX0
Ion 174.00 (173.70 to 174.70): V
Ion 176.00 (175.70 to 176.70): V





#63

Toluene-d8

Concen: 29.889 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX009478.D

Acq: 10 May 2019 13:14

Instrument :

MSVOA_X

ClientSampled :

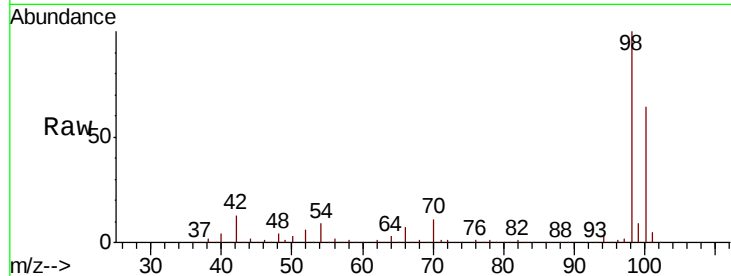
EFFL-4

Tot Ion: 98 Resp: 197215

Ion Ratio Lower Upper

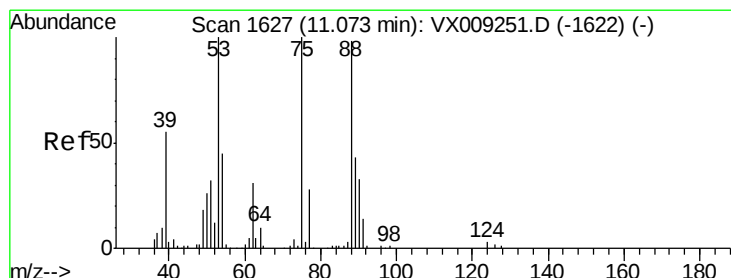
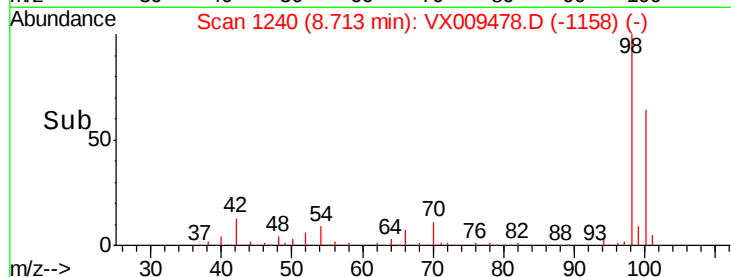
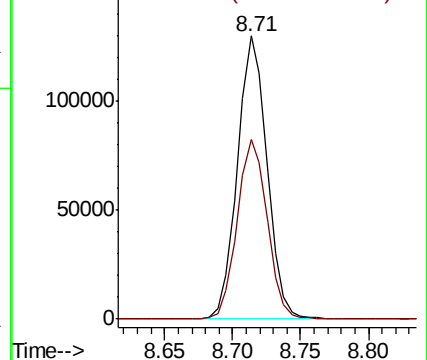
98 100

100 64.5 52.3 78.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#77

t-1,4-Dichloro-2-butene

Concen: 32.350 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009478.D

Acq: 10 May 2019 13:14

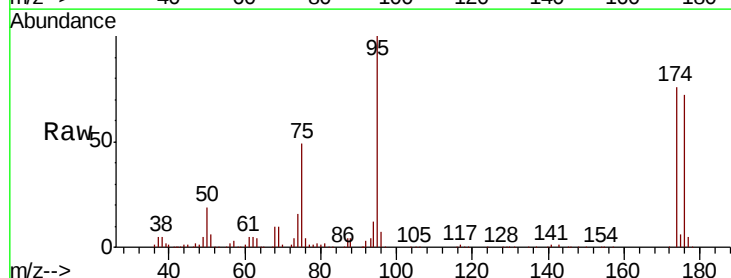
Tgt Ion: 75 Resp: 32941

Ion Ratio Lower Upper

75 100

53 0.3 50.0 149.8#

89 0.0 21.6 65.0#



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 89.00 (88.70 to 89.70): VX0

