

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX011520\
 Data File : VX014624.D
 Acq On : 15 Jan 2020 17:24
 Operator : JC/SP
 Sample : L1135-02 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TE-MW-D-1DL

Quant Time: Jan 16 01:13:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X011520W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jan 15 12:41:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.01	128	72861	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	395193	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	348304	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	158466	30.94	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	103.13%
60) 4-Bromofluorobenzene	11.13	95	148534	26.65	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	88.83%
63) Toluene-d8	8.71	98	478721	30.43	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.43%

Target Compounds

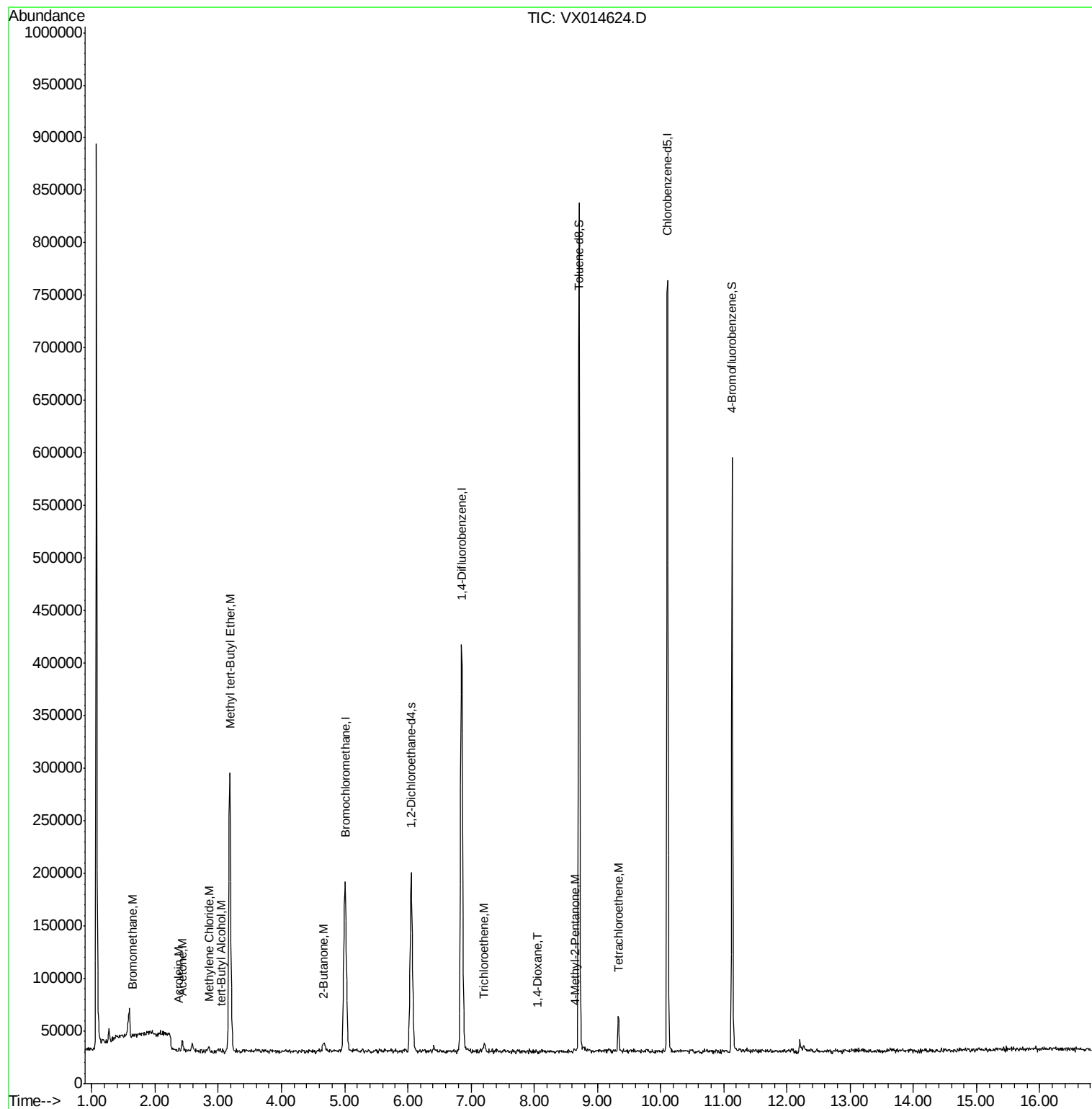
					Qvalue	
5) Bromomethane	1.65	94	775	0.201	ug/l	97
13) Acrolein	2.37	56	318	0.416	ug/l	91
15) Acetone	2.43	58	4051	4.847	ug/l	91
18) Methylene Chloride	2.85	84	1808	0.383	ug/l	88
23) tert-Butyl Alcohol	3.05	59	230	0.223	ug/l #	55
24) Methyl tert-Butyl Ether	3.19	73	292401	21.783	ug/l	98
30) 2-Butanone	4.67	43	2228	0.607	ug/l #	95
37) Trichloroethene	7.21	130	3849	0.785	ug/l	82
45) 1,4-Dioxane	8.04	88	245	2.284	ug/l	87
58) 4-Methyl-2-Pentanone	8.64	43	1900	0.290	ug/l #	75
61) Tetrachloroethene	9.33	164	7519	1.461	ug/l #	87

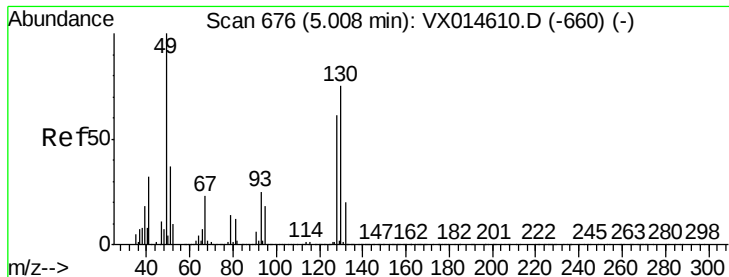
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX011520\
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Instrument :
MSVOA_X
ClientSampleId :
TE-MW-D-1DL

Quant Time: Jan 16 01:13:06 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\624X011520W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jan 15 12:41:12 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.01 min Scan# 676

Delta R.T. 0.01 min

Lab File: VX014624.D

Acq: 15 Jan 2020 17:24

Instrument :

MSVOA_X

ClientSampleId :

TE-MW-D-1DL

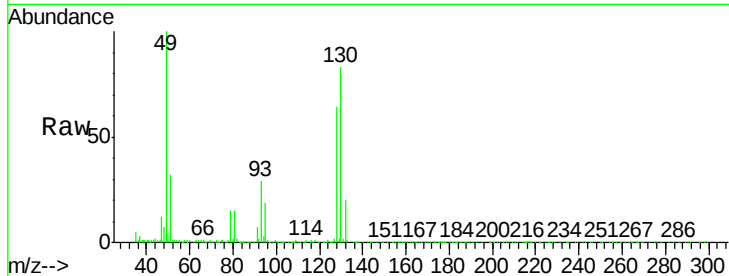
Tgt Ion:128 Resp: 72861

Ion Ratio Lower Upper

128 100

49 158.8 0.0 405.0

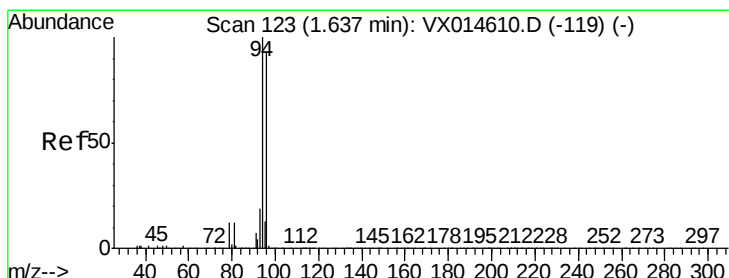
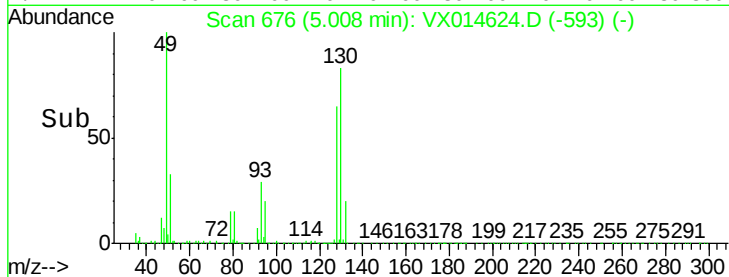
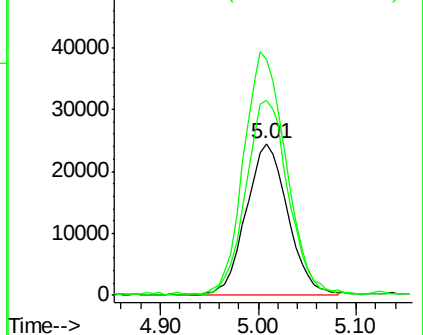
130 130.7 0.0 321.5



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



#5

Bromomethane

Concen: 0.201 ug/l

RT: 1.65 min Scan# 125

Delta R.T. 0.02 min

Lab File: VX014624.D

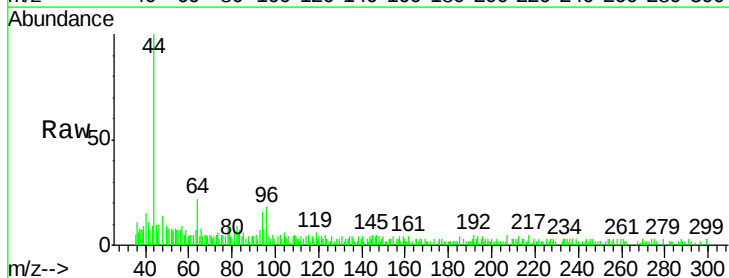
Acq: 15 Jan 2020 17:24

Tgt Ion: 94 Resp: 775

Ion Ratio Lower Upper

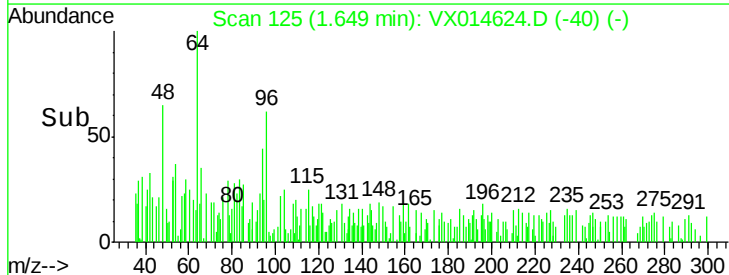
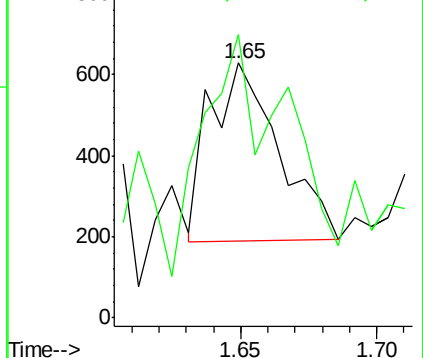
94 100

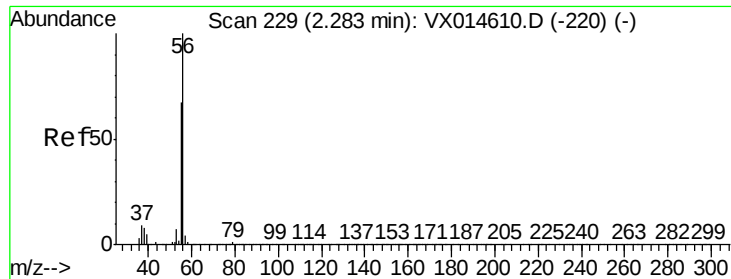
96 90.1 74.4 111.6



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0





#13

Acrolein

Concen: 0.416 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.09 min

Lab File: VX014624.D

Acq: 15 Jan 2020 17:24

Instrument :

MSVOA_X

ClientSampled :

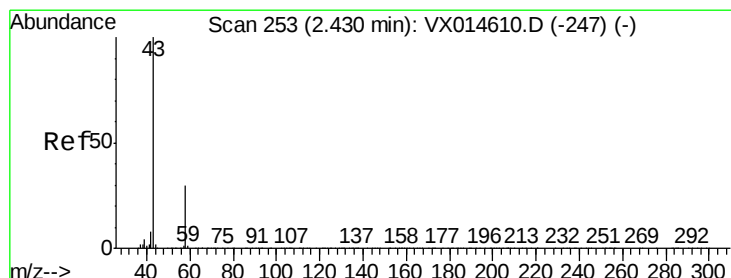
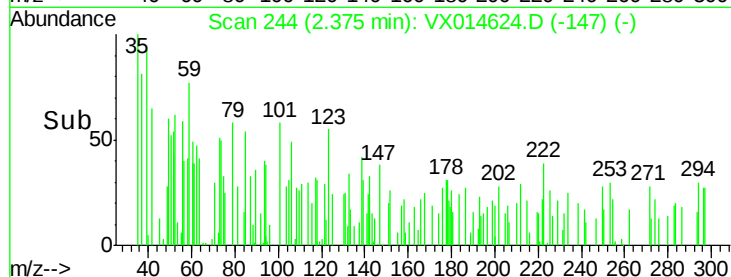
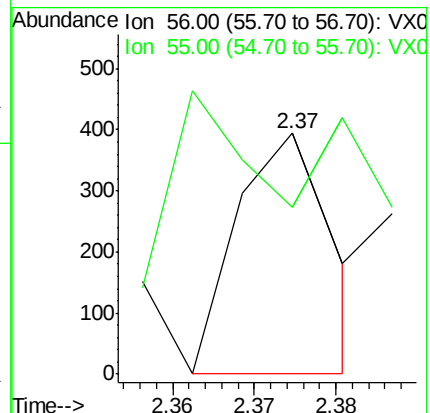
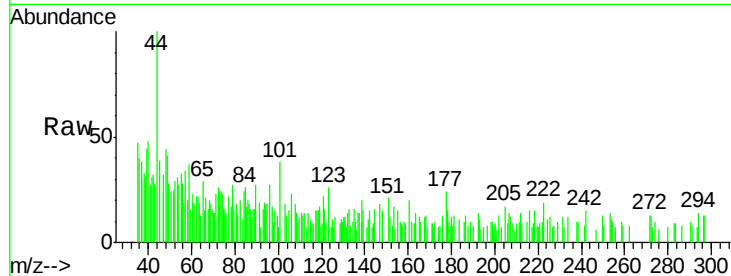
TE-MW-D-1DL

Tgt Ion: 56 Resp: 318

Ion Ratio Lower Upper

56 100

55 76.1 54.9 82.3



#15

Acetone

Concen: 4.847 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX014624.D

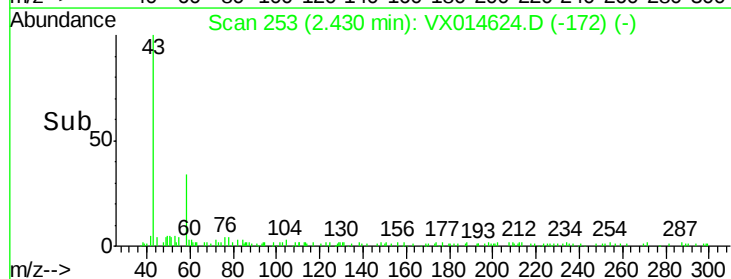
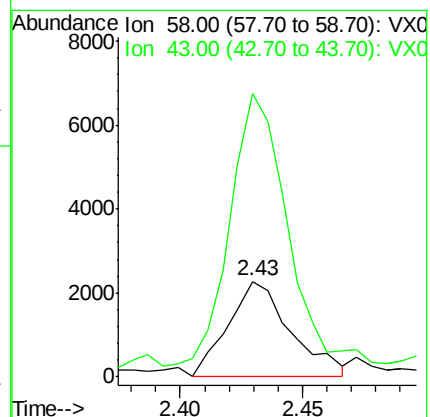
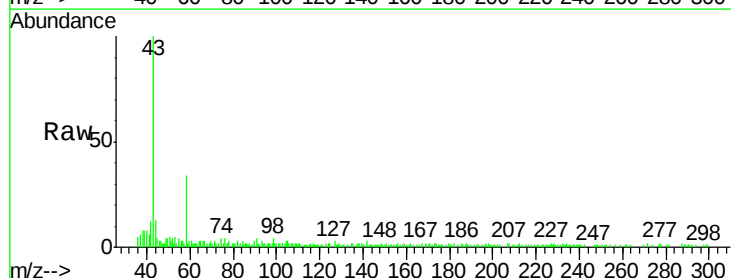
Acq: 15 Jan 2020 17:24

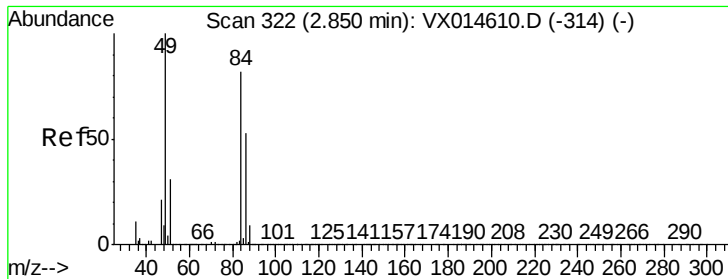
Tgt Ion: 58 Resp: 4051

Ion Ratio Lower Upper

58 100

43 313.0 236.3 354.5

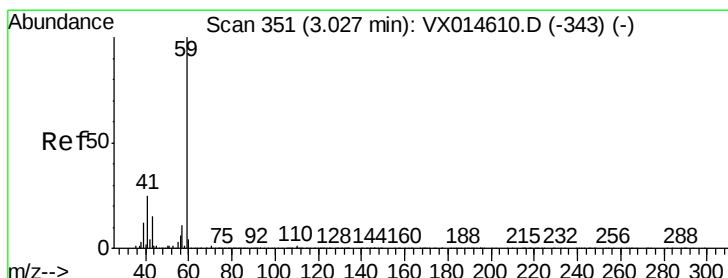
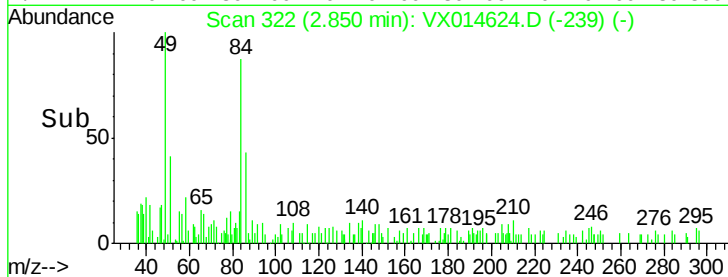
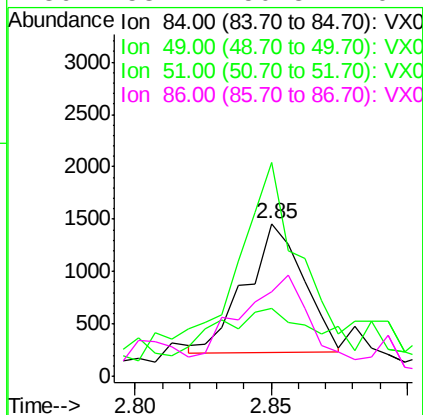
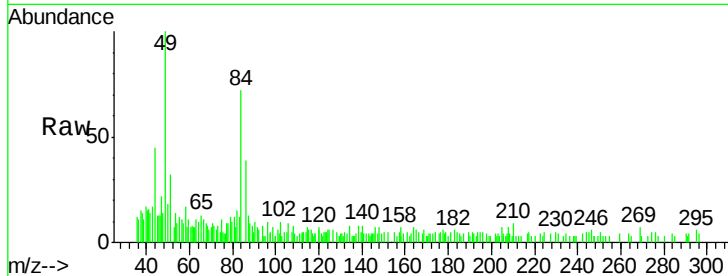




#18
Methylene Chloride
Concen: 0.383 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX014624.D
Acq: 15 Jan 2020 17:24

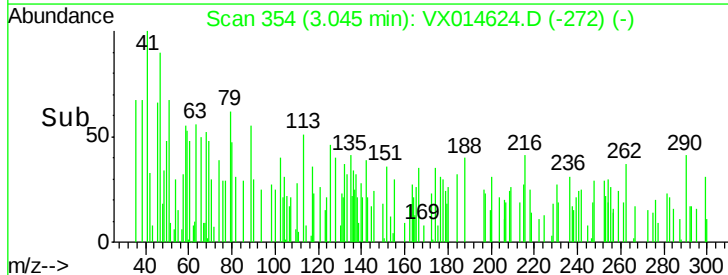
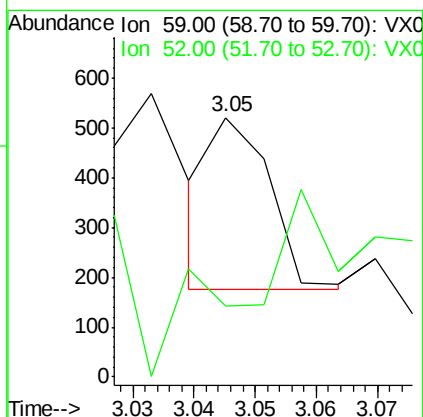
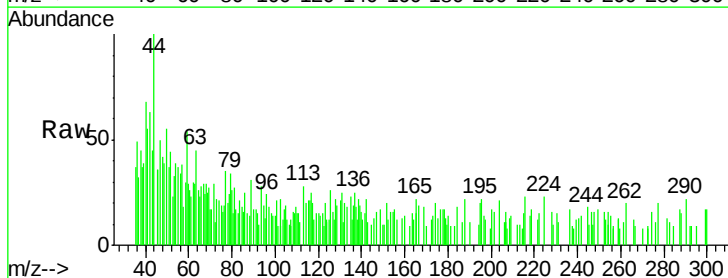
Instrument :
MSVOA_X
ClientSampleId :
TE-MW-D-1DL

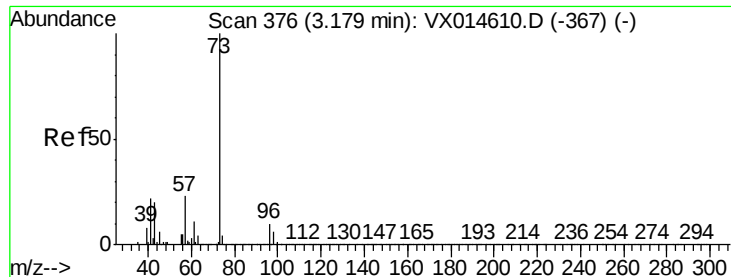
Tgt Ion:	84	Resp:	1808
Ion	Ratio	Lower	Upper
84	100		
49	140.9	102.2	153.2
51	32.5	31.4	47.0
86	53.1	50.8	76.2



#23
tert-Butyl Alcohol
Concen: 0.223 ug/l
RT: 3.05 min Scan# 354
Delta R.T. 0.00 min
Lab File: VX014624.D
Acq: 15 Jan 2020 17:24

Tgt Ion:	59	Resp:	230
Ion	Ratio	Lower	Upper
59	100		
52	57.4	0.2	0.2#



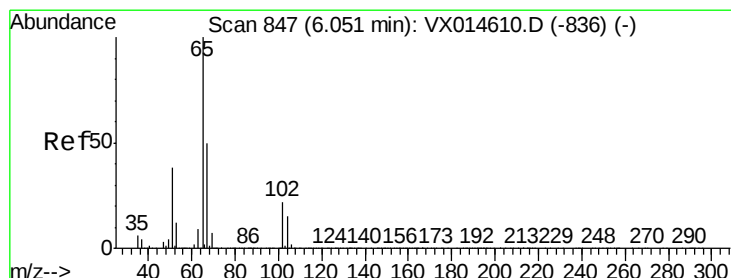
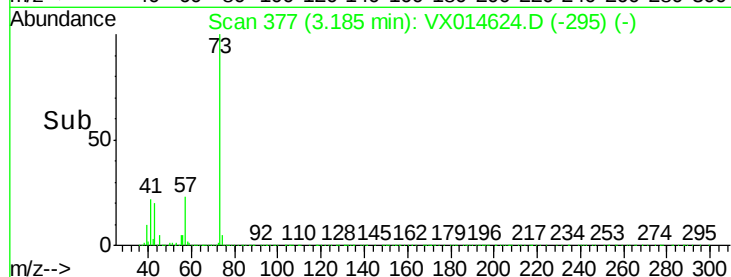
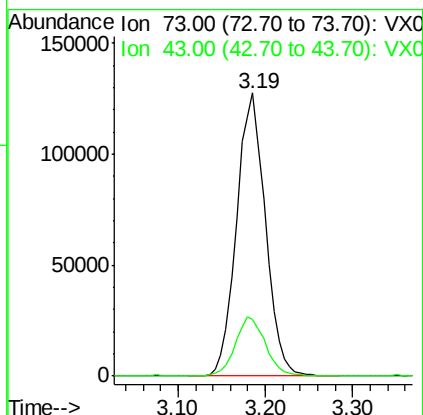
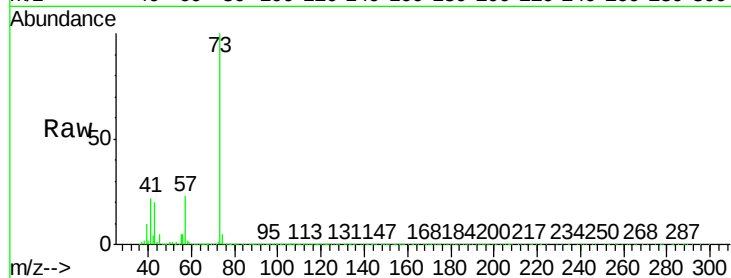


#24

Methyl tert-Butyl Ether
Concen: 21.783 ug/l
RT: 3.19 min Scan# 377
Delta R.T. 0.00 min
Lab File: VX014624.D
Acq: 15 Jan 2020 17:24

Instrument :
MSVOA_X
ClientSampled :
TE-MW-D-1DL

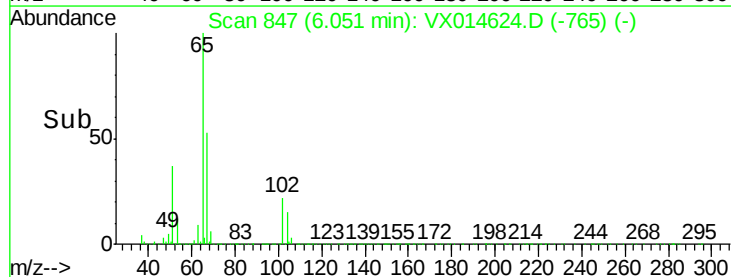
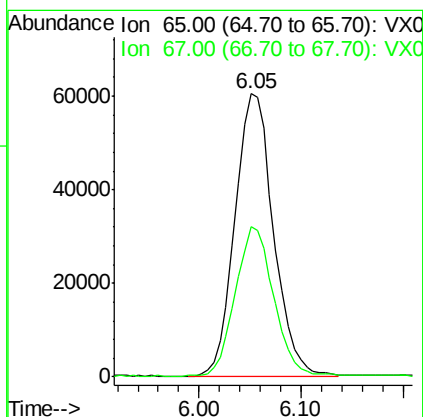
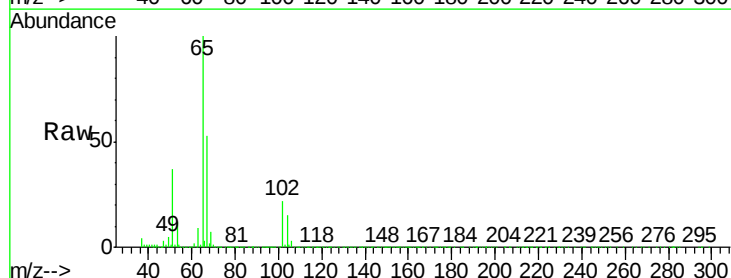
Tgt Ion: 73 Resp: 292401
Ion Ratio Lower Upper
73 100
43 21.5 16.6 25.0

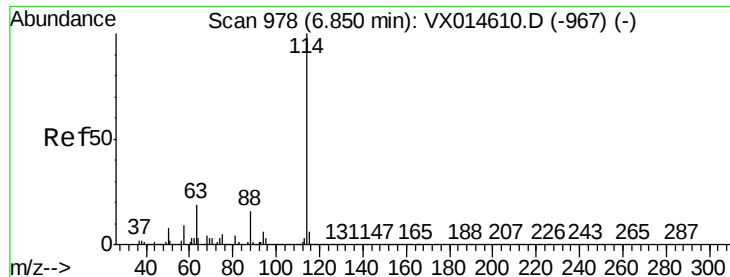


#27

1,2-Dichloroethane-d4
Concen: 30.943 ug/l
RT: 6.05 min Scan# 847
Delta R.T. 0.00 min
Lab File: VX014624.D
Acq: 15 Jan 2020 17:24

Tgt Ion: 65 Resp: 158466
Ion Ratio Lower Upper
65 100
67 53.0 43.1 64.7

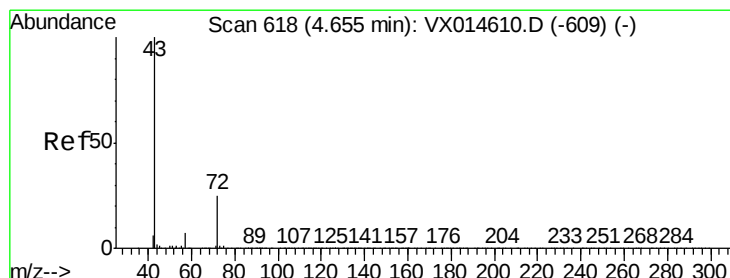
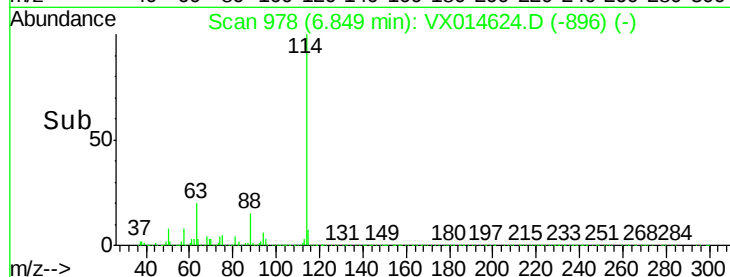
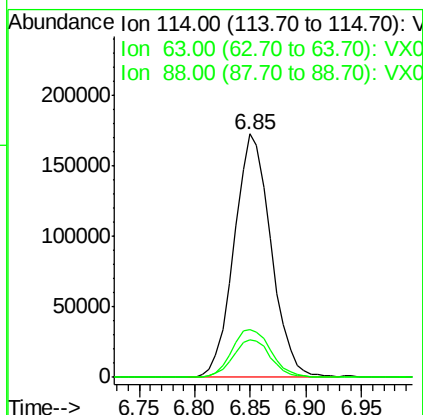
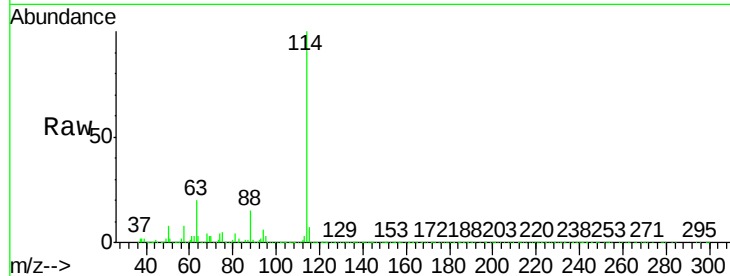




#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX014624.D
 Acq: 15 Jan 2020 17:24

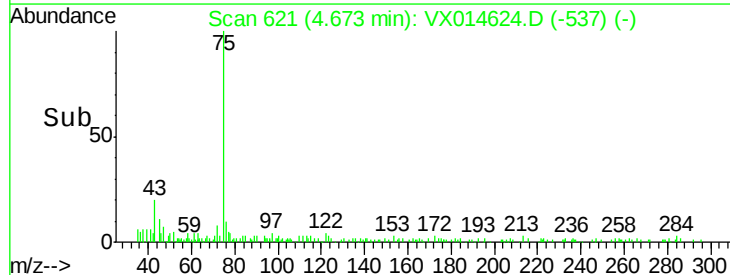
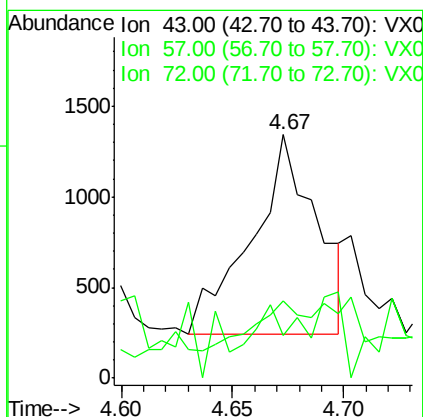
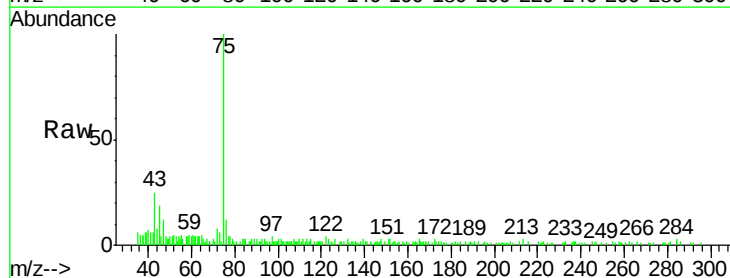
Instrument :
 MSVOA_X
 ClientSampleId :
 TE-MW-D-1DL

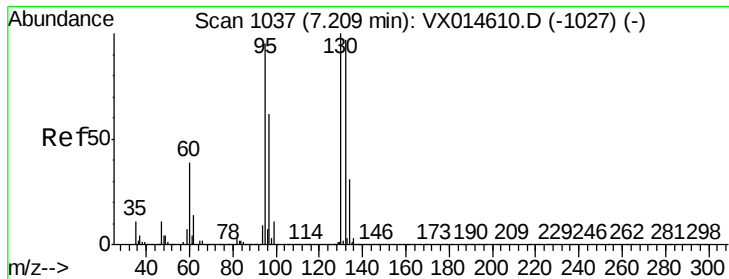
Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.5	16.1	24.1
88	15.9	12.5	18.7



#30
 2-Butanone
 Concen: 0.607 ug/l
 RT: 4.67 min Scan# 621
 Delta R.T. 0.01 min
 Lab File: VX014624.D
 Acq: 15 Jan 2020 17:24

Tgt Ion	Ratio	Lower	Upper
43	100		
57	13.2	6.2	9.2#
72	24.4	20.3	30.5





#37

Trichloroethene

Concen: 0.785 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VX014624.D

Acq: 15 Jan 2020 17:24

Instrument :

MSVOA_X

ClientSampled :

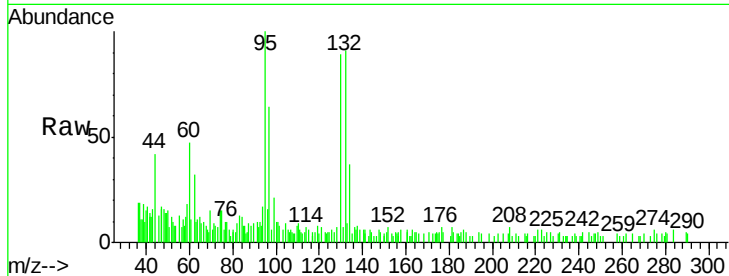
TE-MW-D-1DL

Tgt Ion:130 Resp: 3849

Ion Ratio Lower Upper

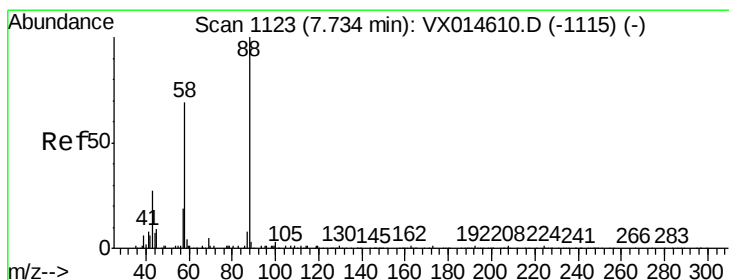
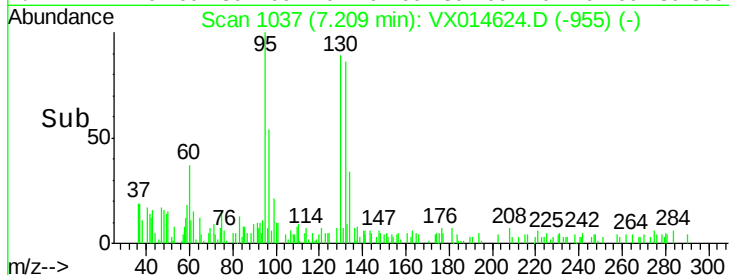
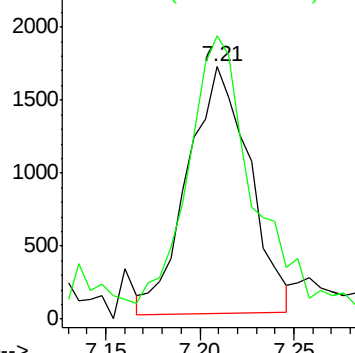
130 100

95 106.9 71.7 107.5



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0



#45

1,4-Dioxane

Concen: 2.284 ug/l

RT: 8.04 min Scan# 1174

Delta R.T. 0.31 min

Lab File: VX014624.D

Acq: 15 Jan 2020 17:24

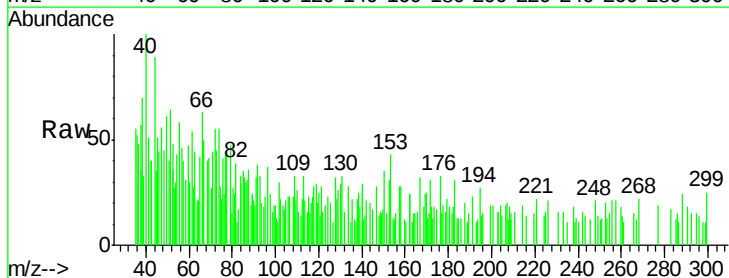
Tgt Ion: 88 Resp: 245

Ion Ratio Lower Upper

88 100

43 26.9 25.4 38.2

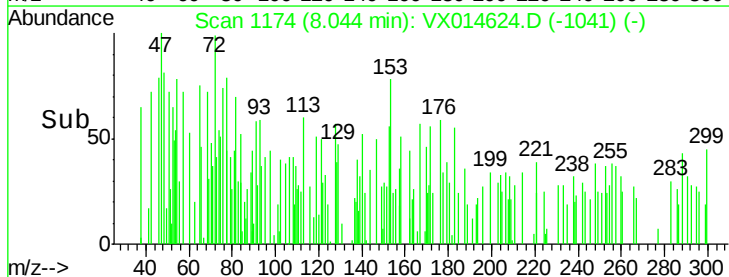
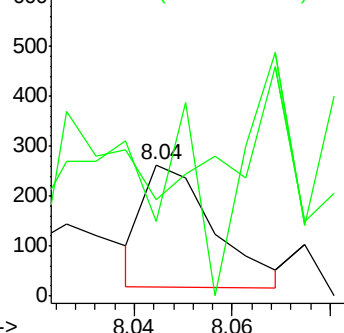
58 58.0 56.5 84.7

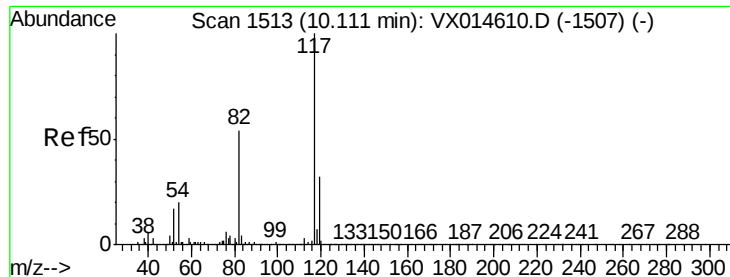


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

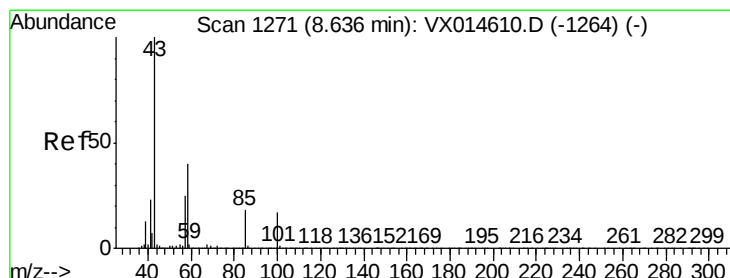
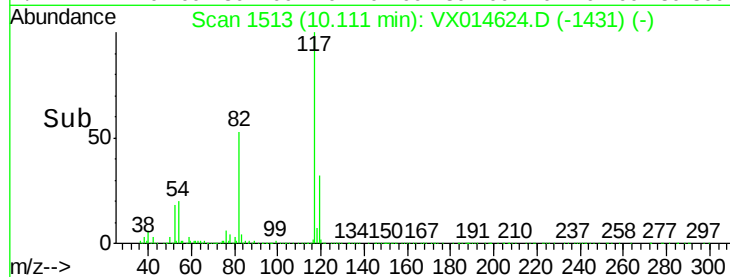
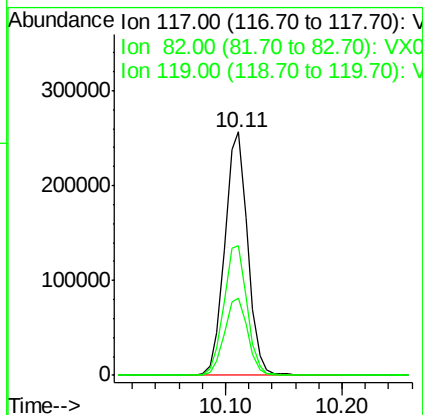
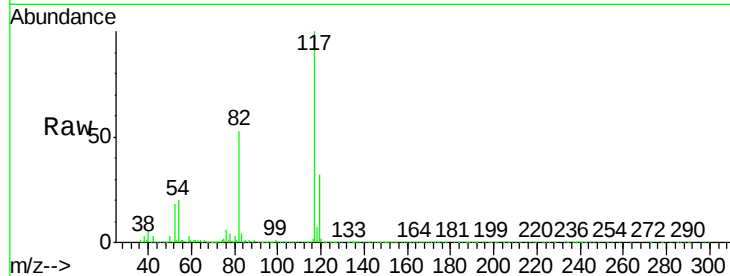




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX014624.D
Acq: 15 Jan 2020 17:24

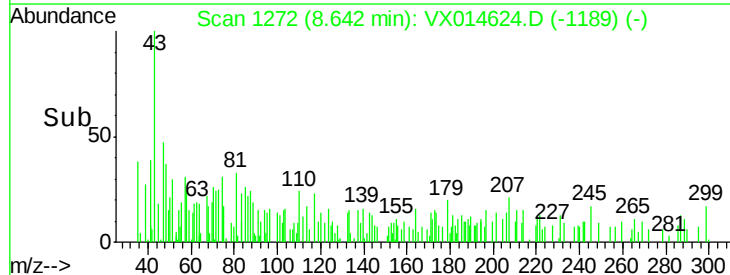
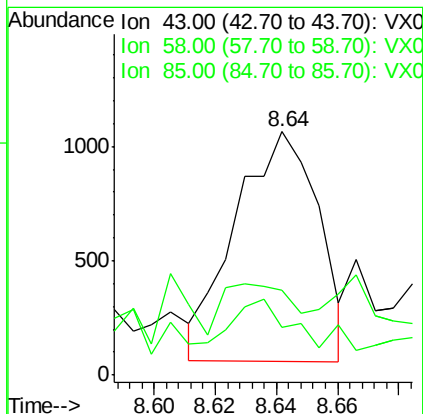
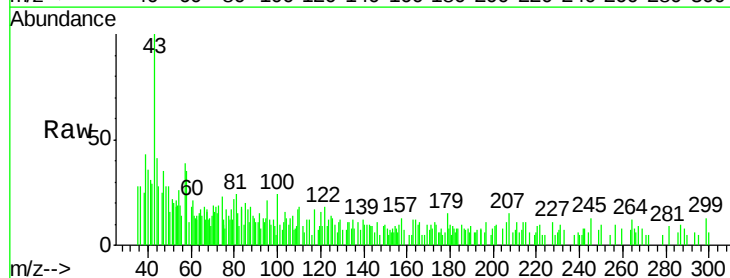
Instrument :
MSVOA_X
ClientSampleId :
TE-MW-D-1DL

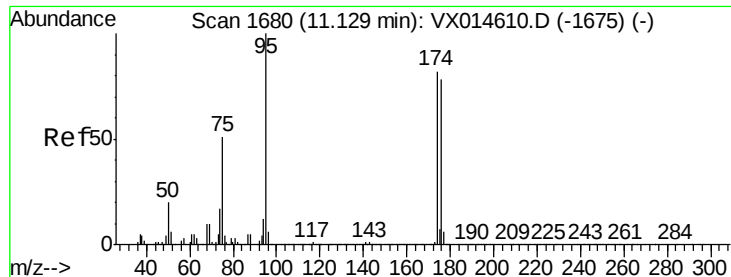
Tgt Ion: 117 Resp: 348304
Ion Ratio Lower Upper
117 100
82 54.4 43.8 65.6
119 32.2 25.8 38.6



#58
4-Methyl-2-Pentanone
Concen: 0.290 ug/l
RT: 8.64 min Scan# 1272
Delta R.T. 0.01 min
Lab File: VX014624.D
Acq: 15 Jan 2020 17:24

Tgt Ion: 43 Resp: 1900
Ion Ratio Lower Upper
43 100
58 19.0 31.2 46.8#
85 21.6 14.2 21.2#

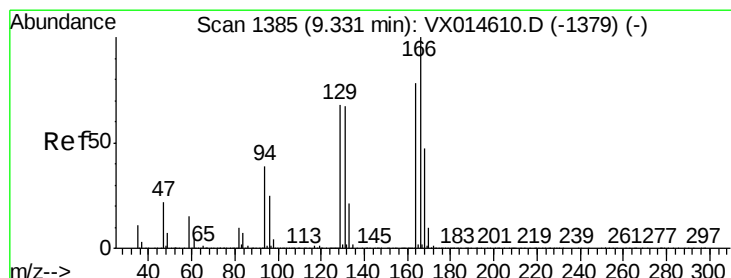
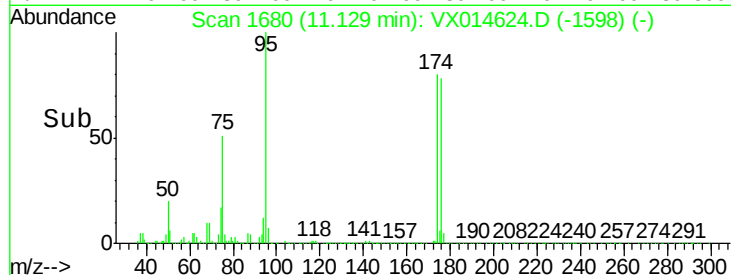
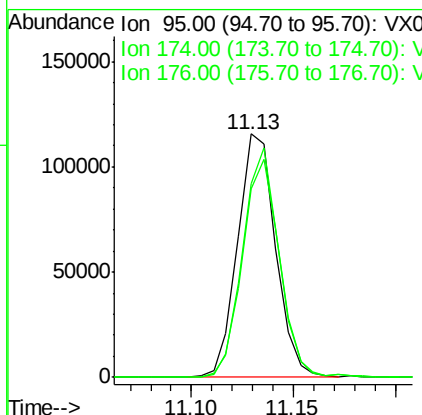
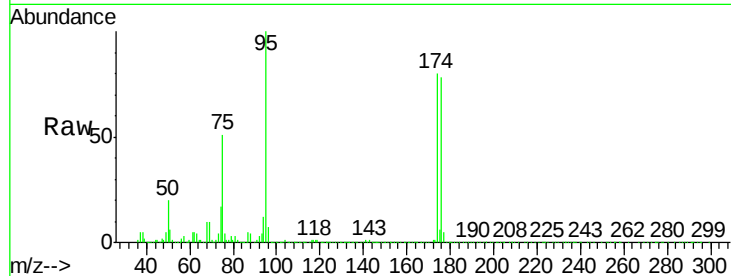




#60
4-Bromofluorobenzene
Concen: 26.650 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VX014624.D
Acq: 15 Jan 2020 17:24

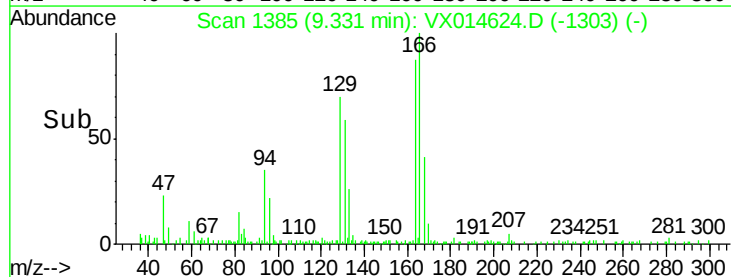
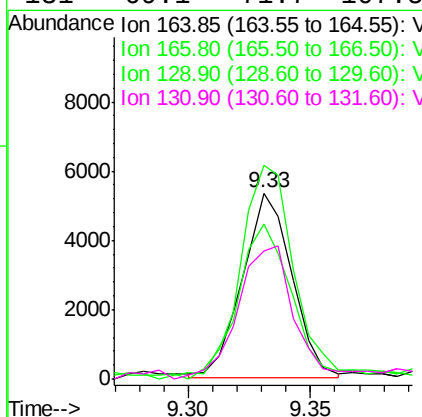
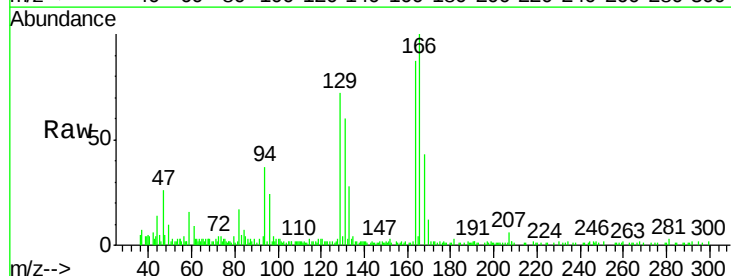
Instrument :
MSVOA_X
ClientSampleId :
TE-MW-D-1DL

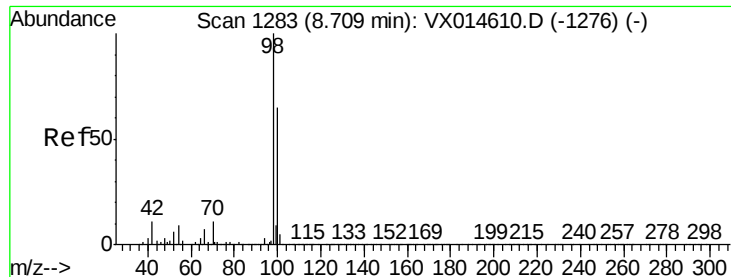
Tgt Ion: 95 Resp: 148534
Ion Ratio Lower Upper
95 100
174 91.7 70.2 105.2
176 87.9 68.3 102.5



#61
Tetrachloroethene
Concen: 1.461 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX014624.D
Acq: 15 Jan 2020 17:24

Tgt Ion: 164 Resp: 7519
Ion Ratio Lower Upper
164 100
166 118.5 104.2 156.2
129 82.0 71.6 107.4
131 69.1 71.7 107.5#





#63

Toluene-d8

Concen: 30.428 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014624.D

Acq: 15 Jan 2020 17:24

Instrument :

MSVOA_X

ClientSampleId :

TE-MW-D-1DL

Tgt Ion: 98 Resp: 478721

Ion Ratio Lower Upper

98 100

100 65.5 52.2 78.2

