

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX011620\
 Data File : VX014635.D
 Acq On : 16 Jan 2020 14:01
 Operator : JC/SP
 Sample : L1135-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: Jan 17 05:55:24 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	71355	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	391135	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	349333	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	158096	31.52	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	105.07%
60) 4-Bromofluorobenzene	11.13	95	150552	26.93	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	89.77%
63) Toluene-d8	8.71	98	467947	29.66	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.87%

Target Compounds

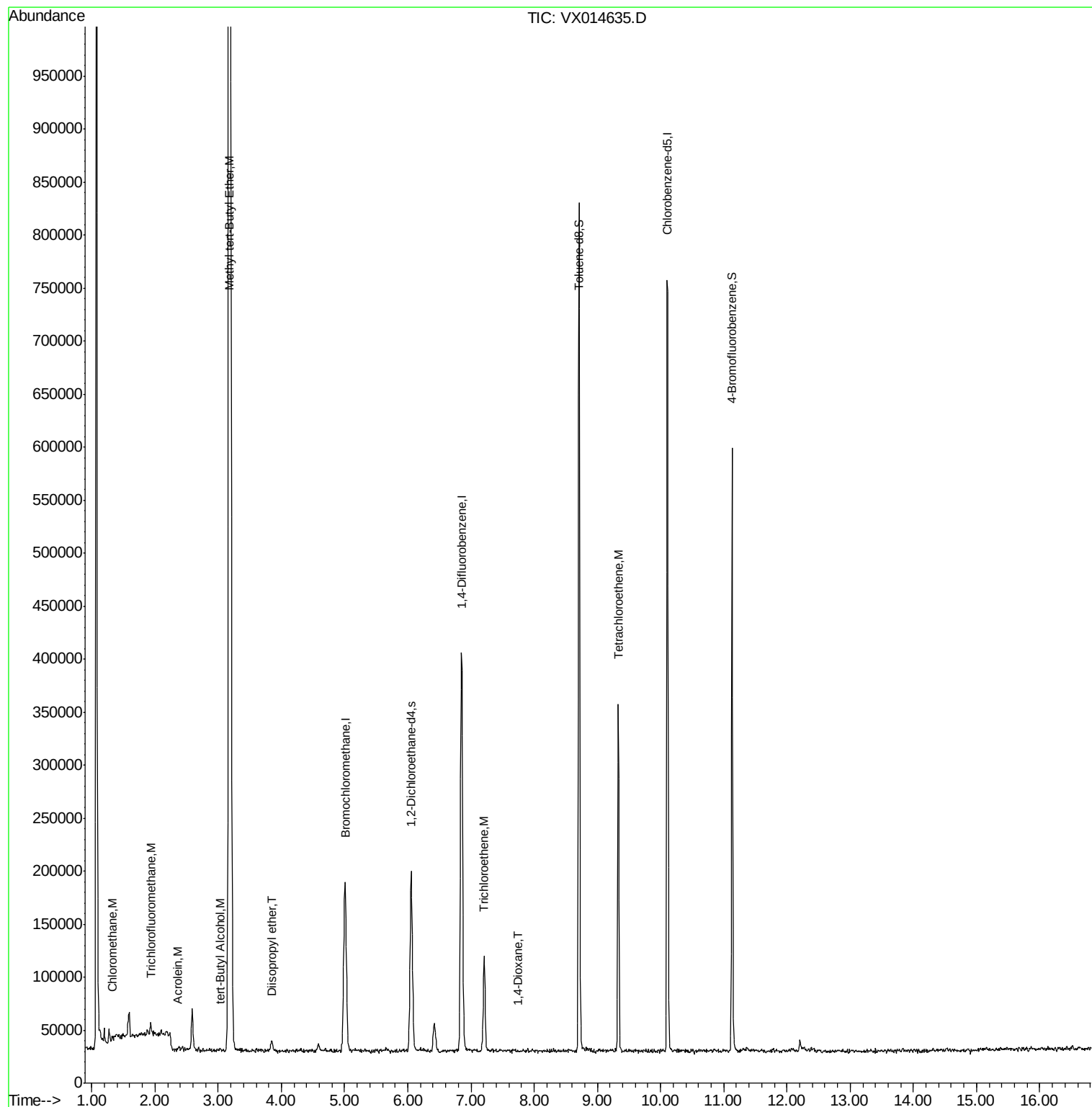
					Ovalue
3) Chloromethane	1.32	50	1088	0.202	ug/l 96
7) Trichlorofluoromethane	1.93	101	6489	0.967	ug/l 100
13) Acrolein	2.36	56	248	0.331	ug/l 100
20) Diisopropyl ether	3.84	45	10025	0.693	ug/l # 74
23) tert-Butyl Alcohol	3.03	59	1657	1.641	ug/l # 90
24) Methyl tert-Butyl Ether	3.18	73	2780998	211.550	ug/l 99
37) Trichloroethene	7.21	130	37036	7.631	ug/l 95
45) 1,4-Dioxane	7.73	88	37	0.349	ug/l # 23
61) Tetrachloroethene	9.33	164	64816	12.553	ug/l 96

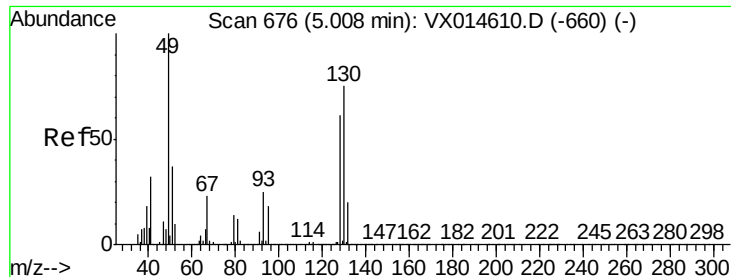
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :
TE-MW-D-1

Quant Time: Jan 17 05:55:24 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





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.01 min Scan# 676

Delta R.T. 0.01 min

Lab File: VX014635.D

Acq: 16 Jan 2020 14:01

Instrument :

MSVOA_X

ClientSampled :

TE-MW-D-1

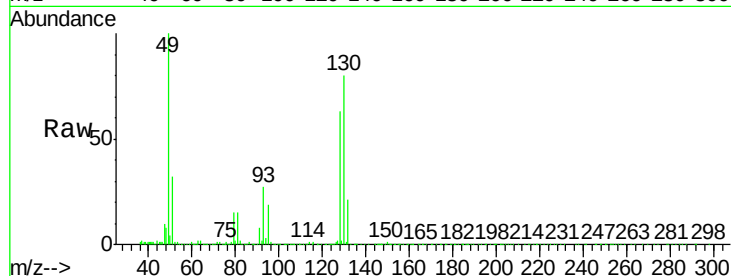
Tot Ion:128 Resp: 71355

Ion Ratio Lower Upper

128 100

49 166.3 0.0 405.0

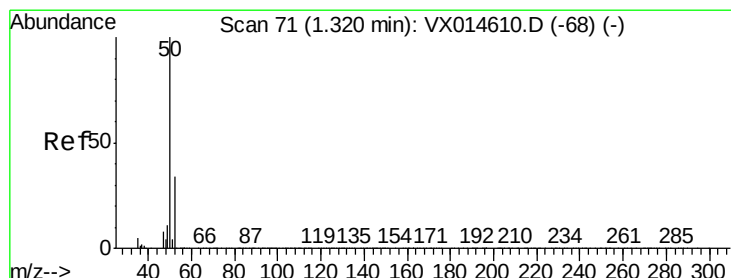
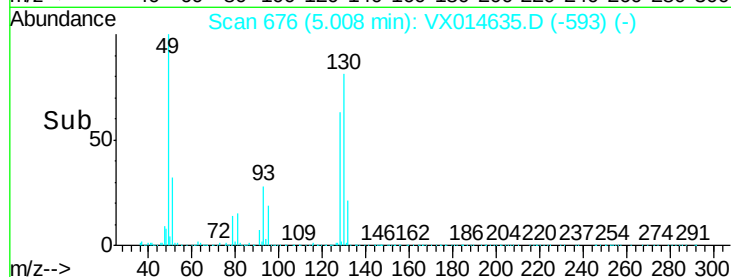
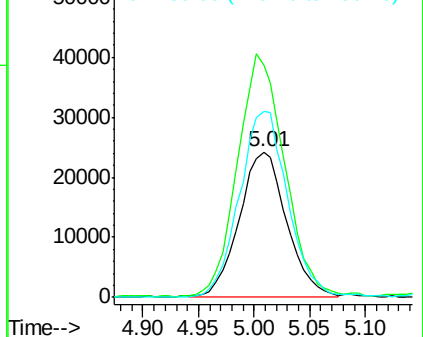
130 131.5 0.0 321.5



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



#3

Chloromethane

Concen: 0.202 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX014635.D

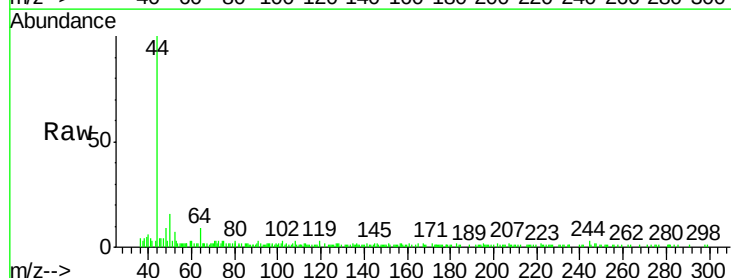
Acq: 16 Jan 2020 14:01

Tgt Ion: 50 Resp: 1088

Ion Ratio Lower Upper

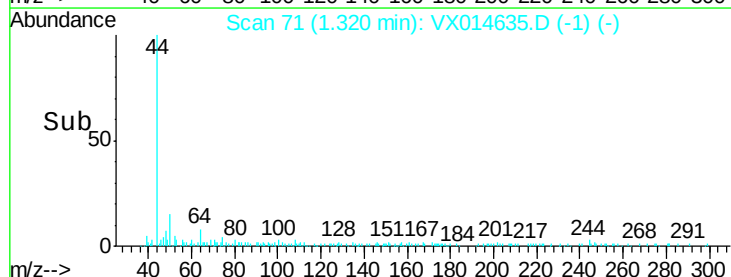
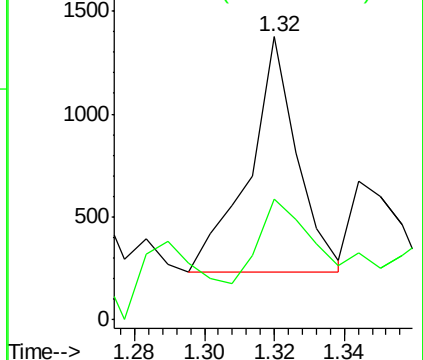
50 100

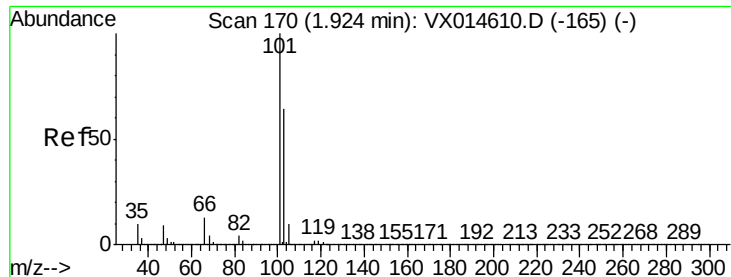
52 28.4 24.3 36.5



Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



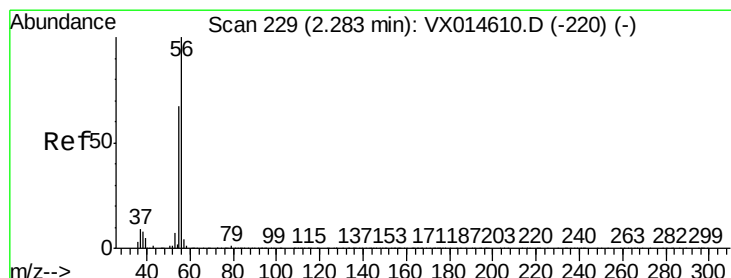
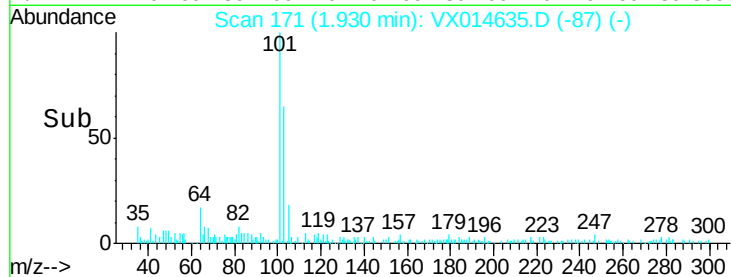
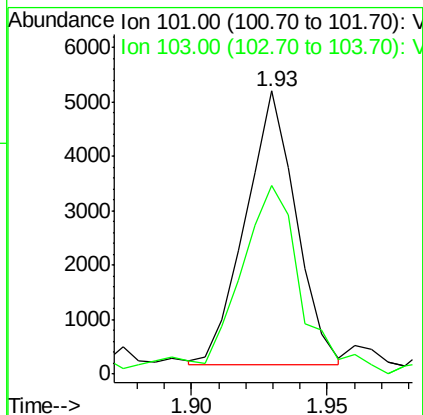
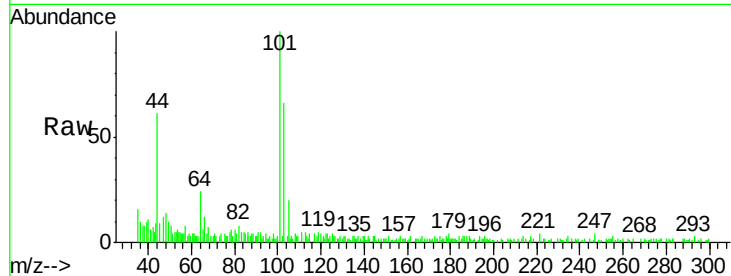


#7

Trichlorofluoromethane
Concen: 0.967 ug/l
RT: 1.93 min Scan# 171
Delta R.T. 0.01 min
Lab File: VX014635.D
Acq: 16 Jan 2020 14:01

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

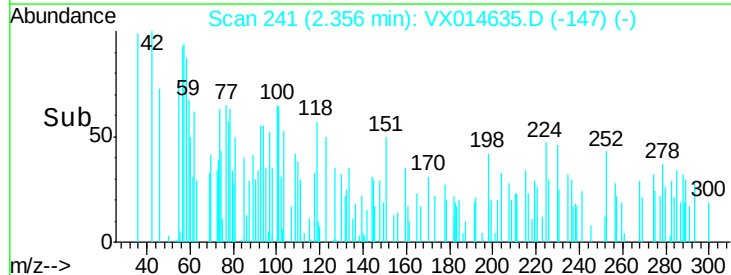
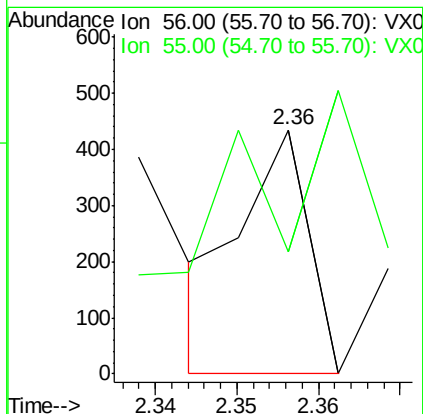
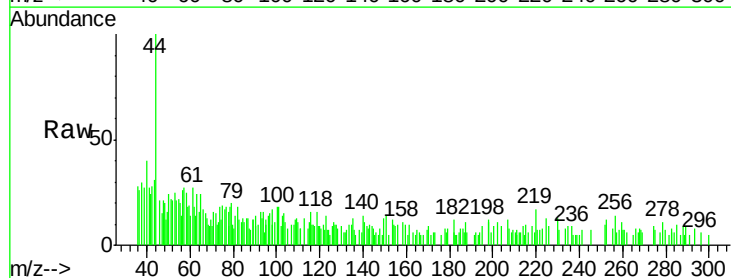
Tot Ion:101 Resp: 6489
Ion Ratio Lower Upper
101 100
103 64.8 51.6 77.4

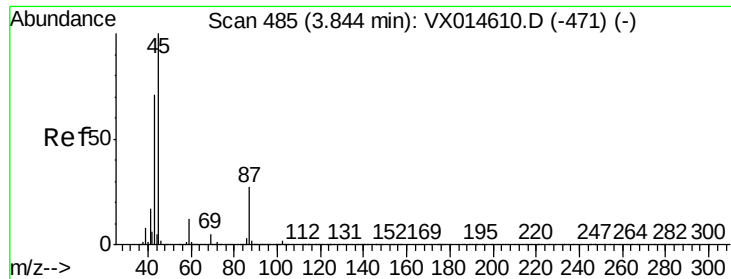


#13

Acrolein
Concen: 0.331 ug/l
RT: 2.36 min Scan# 241
Delta R.T. 0.07 min
Lab File: VX014635.D
Acq: 16 Jan 2020 14:01

Tgt Ion: 56 Resp: 248
Ion Ratio Lower Upper
56 100
55 68.5 54.9 82.3

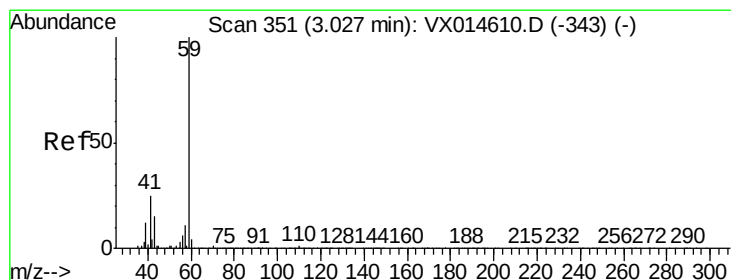
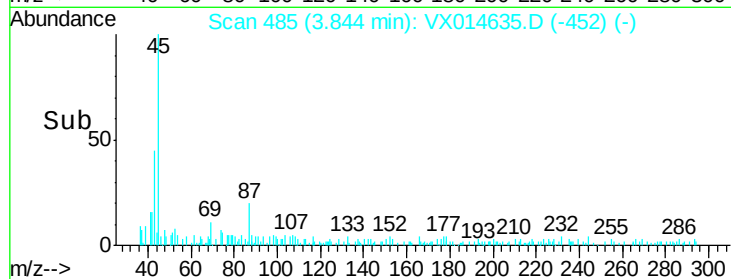
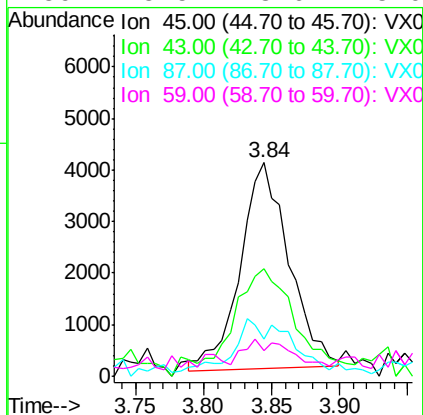
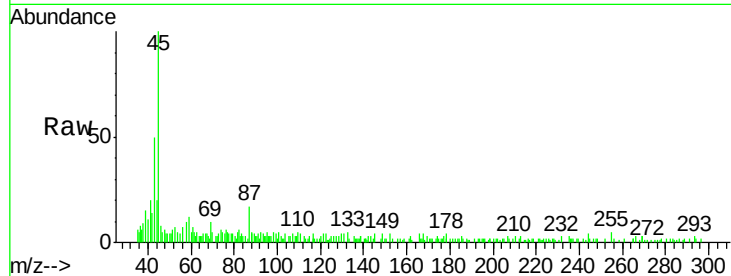




#20
Diisopropyl ether
Concen: 0.693 ug/l
RT: 3.84 min Scan# 485
Delta R.T. -0.00 min
Lab File: VX014635.D
Acq: 16 Jan 2020 14:01

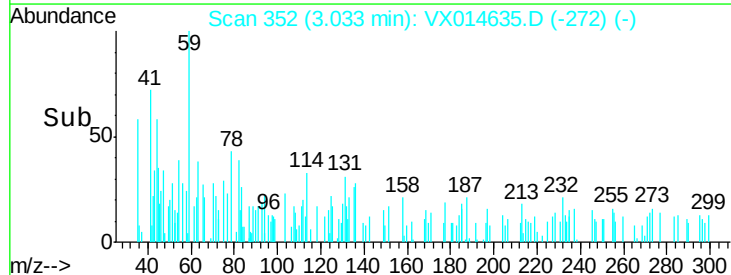
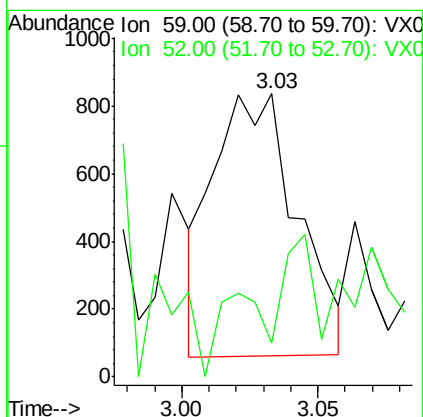
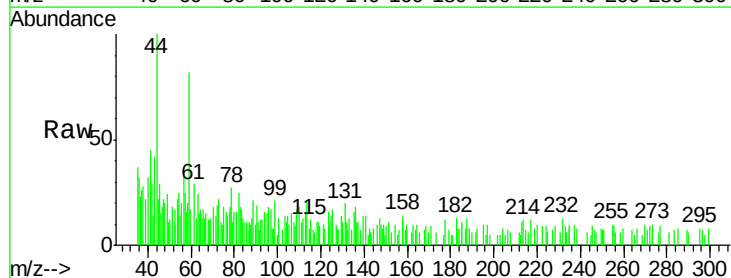
Instrument :
MSVOA_X
ClientSampled :
TE-MW-D-1

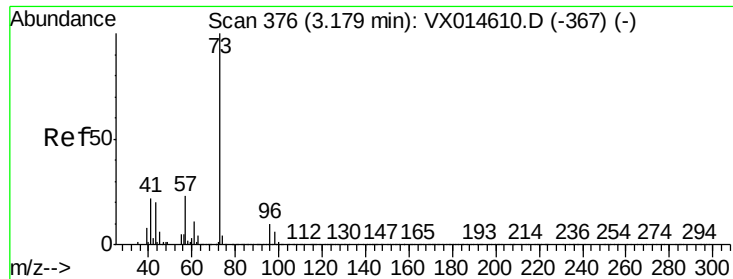
Tot Ion:	45	Resp:	10025
Ion	Ratio	Lower	Upper
45	100		
43	46.7	55.9	83.9#
87	14.2	22.2	33.2#
59	5.5	8.6	13.0#



#23
tert-Butyl Alcohol
Concen: 1.641 ug/l
RT: 3.03 min Scan# 352
Delta R.T. -0.01 min
Lab File: VX014635.D
Acq: 16 Jan 2020 14:01

Tgt Ion:	59	Resp:	1657
Ion	Ratio	Lower	Upper
59	100		
52	13.2	0.2	0.2#



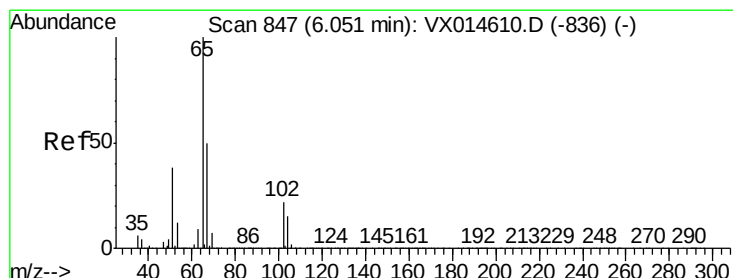
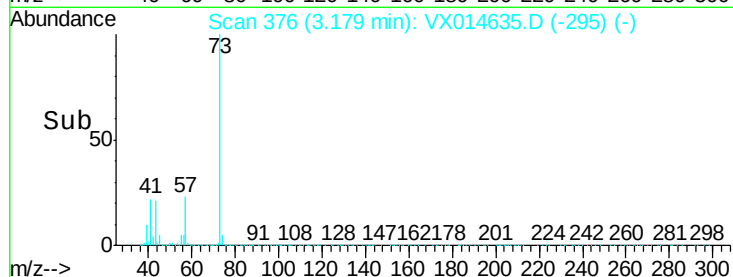
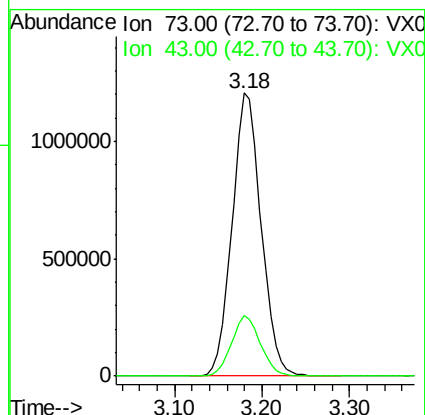
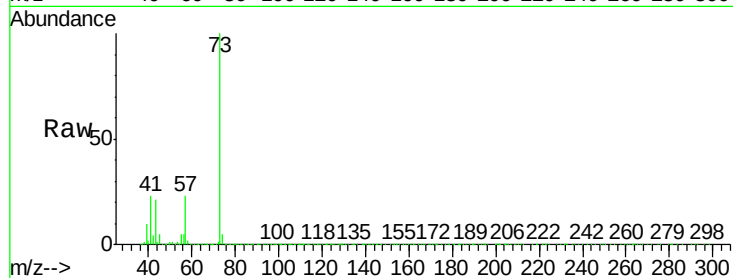


#24

Methvl tert-Butvl Ether
Concen: 211.550 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.01 min
Lab File: VX014635.D
Acq: 16 Jan 2020 14:01

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

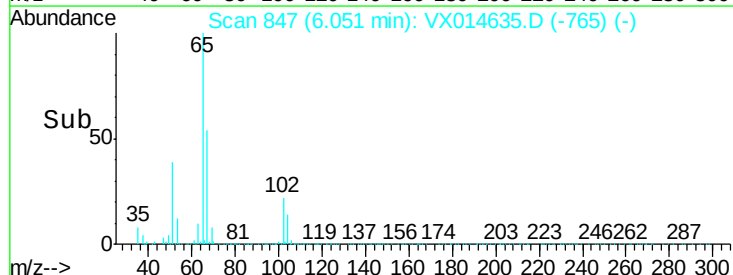
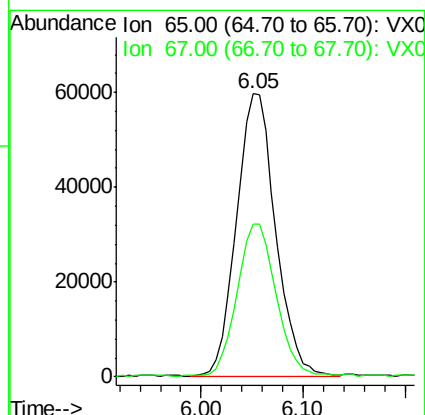
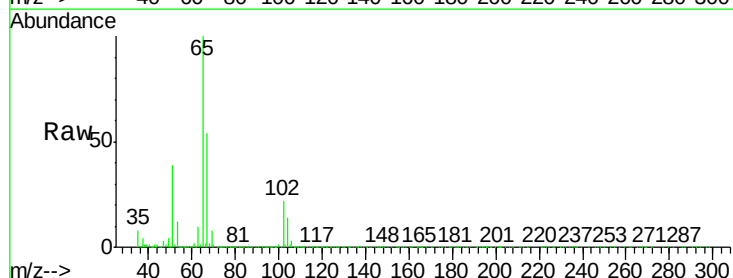
Tot Ion: 73 Resp: 2780998
Ion Ratio Lower Upper
73 100
43 21.2 16.6 25.0

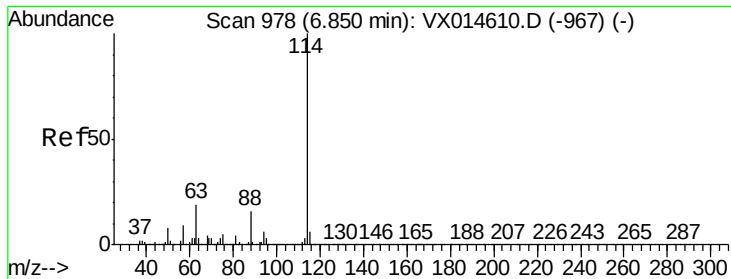


#27

1,2-Dichloroethane-d4
Concen: 31.522 ug/l
RT: 6.05 min Scan# 847
Delta R.T. -0.00 min
Lab File: VX014635.D
Acq: 16 Jan 2020 14:01

Tgt Ion: 65 Resp: 158096
Ion Ratio Lower Upper
65 100
67 53.6 43.1 64.7

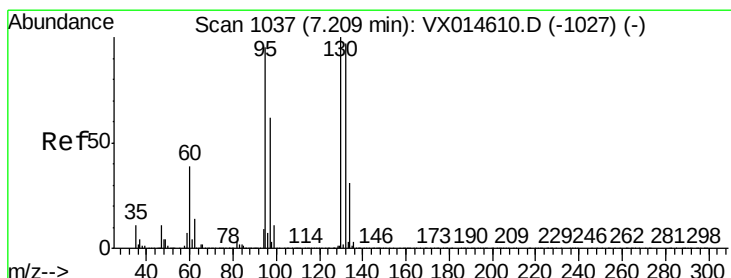
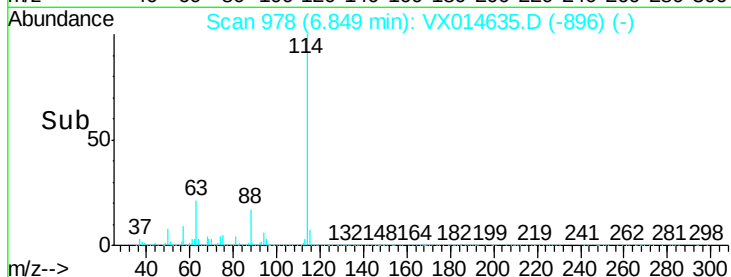
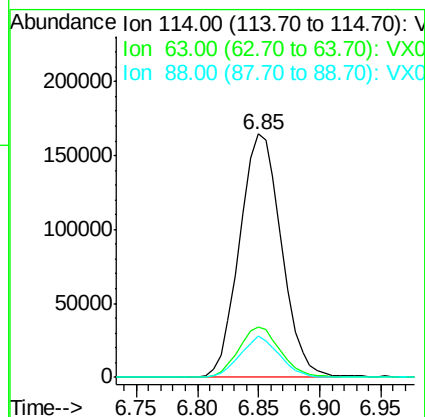
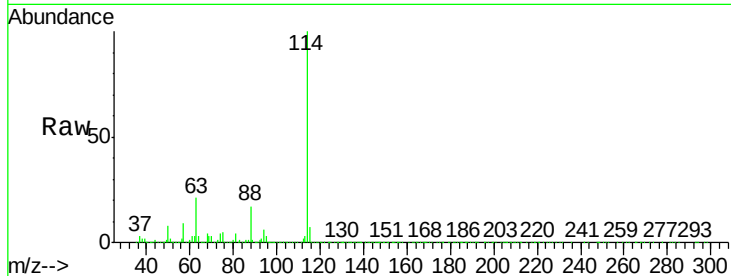




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.85 min Scan# 978
Delta R.T. -0.00 min
Lab File: VX014635.D
Acq: 16 Jan 2020 14:01

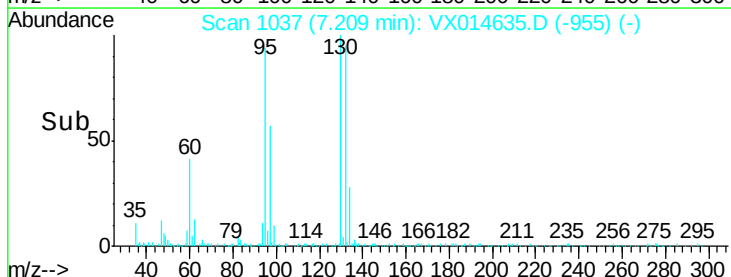
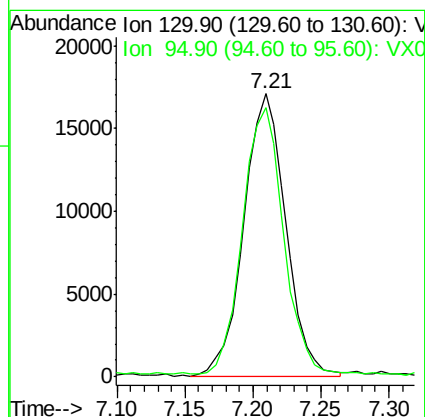
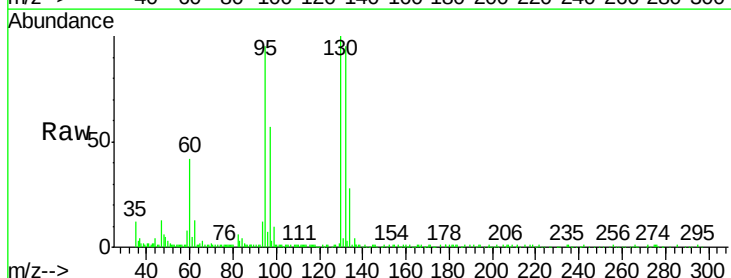
Instrument :
MSVOA_X
ClientSampleId :
TE-MW-D-1

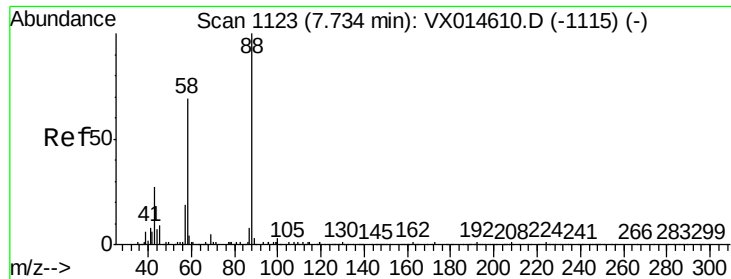
Tot Ion:	114	Resp:	391135
Ion	Ratio	Lower	Upper
114	100		
63	20.6	16.1	24.1
88	15.7	12.5	18.7



#37
Trichloroethene
Concen: 7.631 ug/l
RT: 7.21 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VX014635.D
Acq: 16 Jan 2020 14:01

Tgt Ion:	130	Resp:	37036
Ion	Ratio	Lower	Upper
130	100		
95	93.9	71.7	107.5

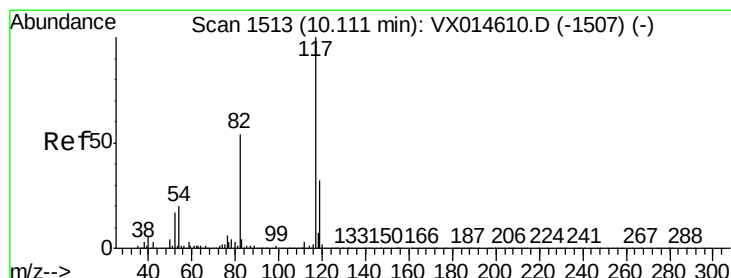
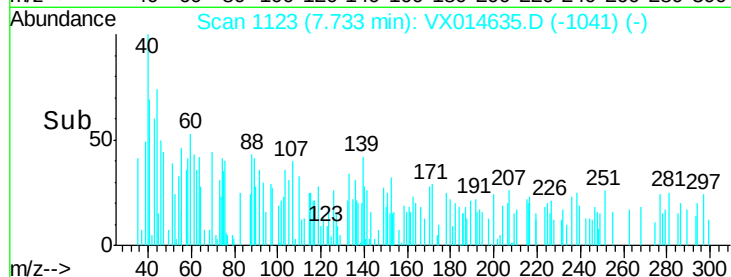
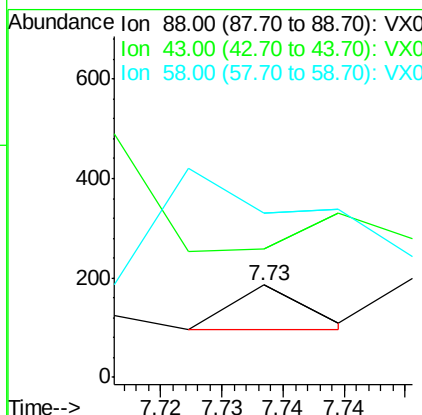
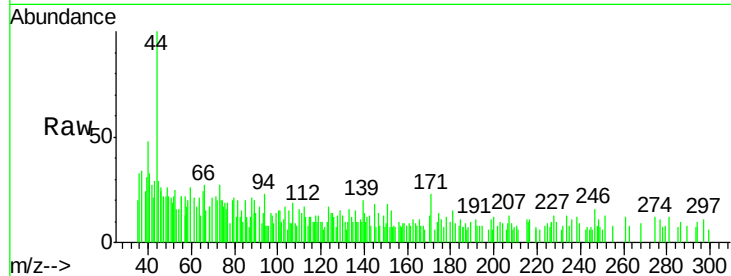




#45
1,4-Dioxane
Concen: 0.349 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. -0.00 min
Lab File: VX014635.D
Acq: 16 Jan 2020 14:01

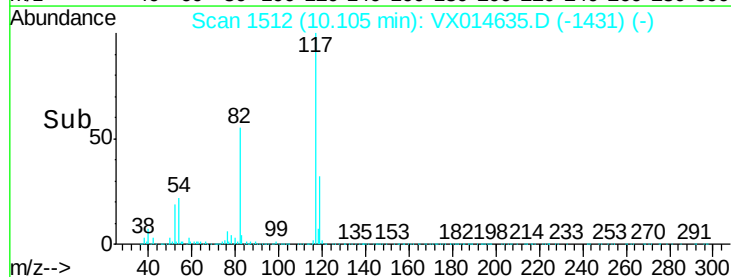
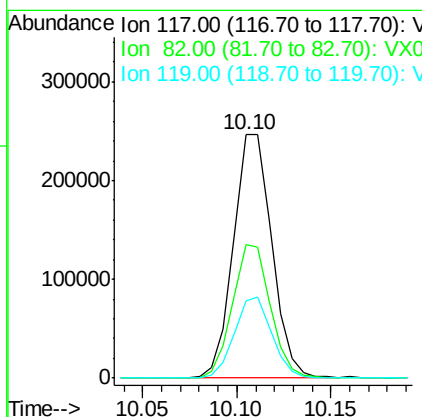
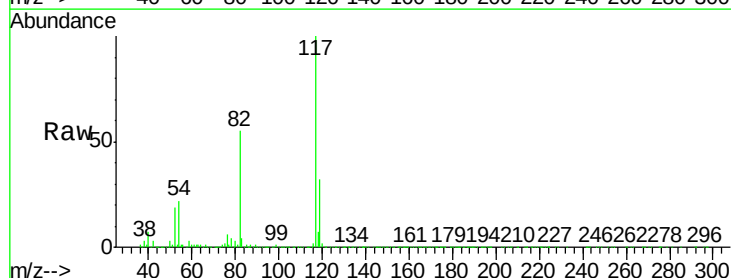
Instrument :
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TE-MW-D-1

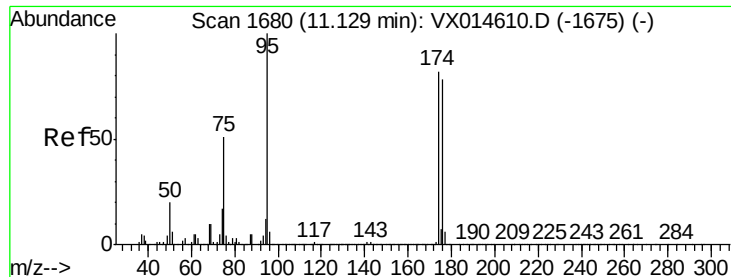
Tot Ion: 88 Resp: 37
Ion Ratio Lower Upper
88 100
43 0.0 25.4 38.2#
58 0.0 56.5 84.7#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.10 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX014635.D
Acq: 16 Jan 2020 14:01

Tgt Ion: 117 Resp: 349333
Ion Ratio Lower Upper
117 100
82 54.3 43.8 65.6
119 32.3 25.8 38.6

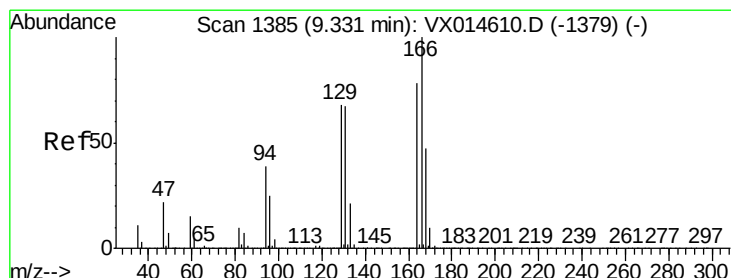
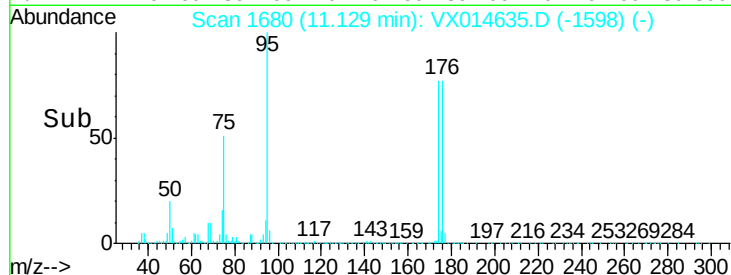
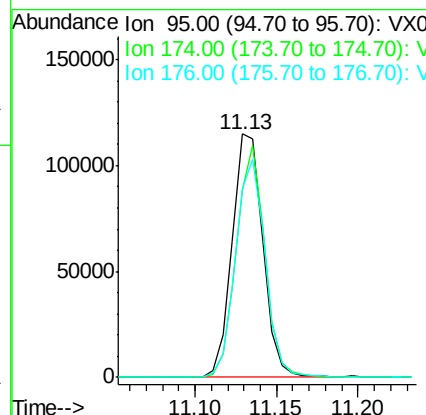
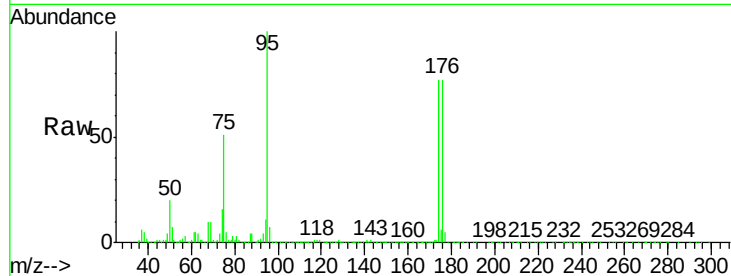




#60
4-Bromofluorobenzene
Concen: 26.932 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VX014635.D
Acq: 16 Jan 2020 14:01

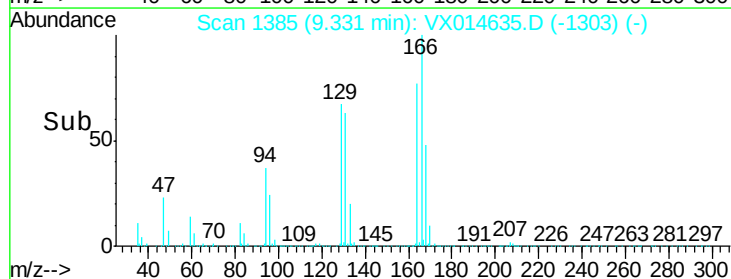
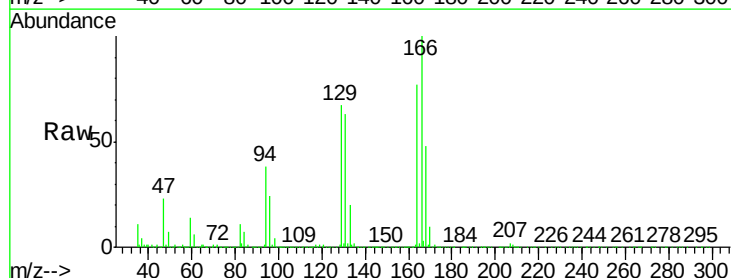
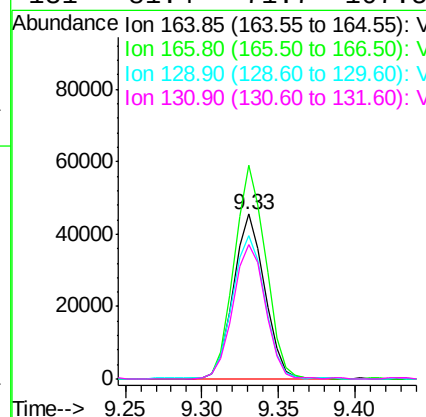
Instrument :
MSVOA_X
ClientSampled :
TE-MW-D-1

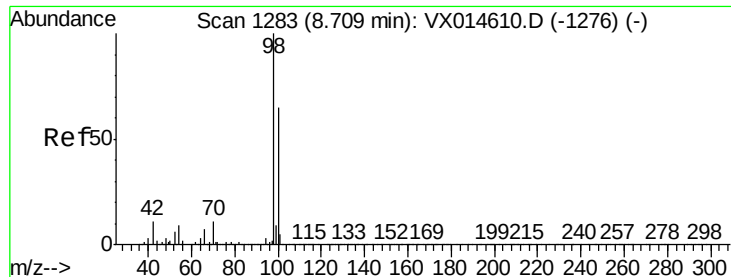
Tot Ion	Ratio	Lower	Upper
95	100		
174	88.5	70.2	105.2
176	86.4	68.3	102.5



#61
Tetrachloroethene
Concen: 12.553 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX014635.D
Acq: 16 Jan 2020 14:01

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.2	104.2	156.2
129	86.5	71.6	107.4
131	81.4	71.7	107.5





#63

Toluene-d8

Concen: 29.656 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX014635.D

Acq: 16 Jan 2020 14:01

Instrument :

MSVOA_X

ClientSampleId :

TE-MW-D-1

Tot Ion: 98 Resp: 467947

Ion Ratio Lower Upper

98 100

100 65.3 52.2 78.2

