

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080421\
 Data File : VX023537.D
 Acq On : 04 Aug 2021 12:40
 Operator : JC/MD
 Sample : M3283-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT-031-IDWGW-20210803

Quant Time: Aug 05 05:18:16 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X080321W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Aug 03 12:05:42 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

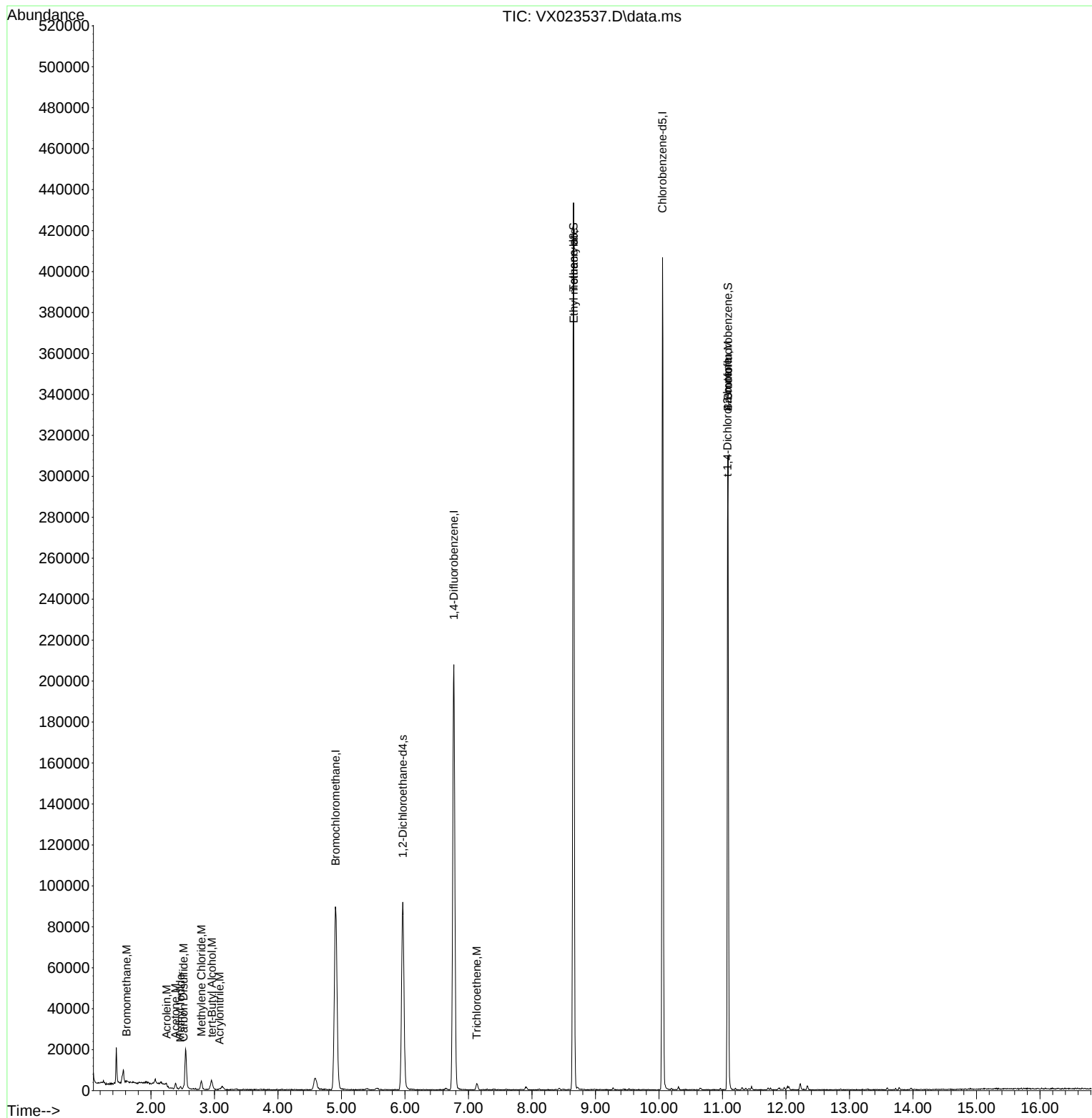
Internal Standards						
1) Bromochloromethane	4.910	128	38312	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.769	114	210498	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	182744	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.964	65	87923	29.675	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	98.933%
60) 4-Bromofluorobenzene	11.085	95	80094	26.758	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	89.200%
63) Toluene-d8	8.653	98	250570	30.466	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.567%
Target Compounds						
					Qvalue	
5) Bromomethane	1.618	94	397	0.265	ug/l	99
11) Methyl Iodide	2.465	142	1204	0.386	ug/l	81
13) Acrolein	2.246	56	146	0.401	ug/l #	27
14) Acrylonitrile	3.081	53	296	0.202	ug/l #	45
15) Acetone	2.386	58	841	1.895	ug/l	90
16) Carbon Disulfide	2.514	76	1258	0.230	ug/l #	87
18) Methylene Chloride	2.794	84	1729	0.662	ug/l #	83
23) tert-Butyl Alcohol	2.959	59	3007	4.525	ug/l #	99
37) Trichloroethene	7.129	130	1222	0.455	ug/l #	65
51) Ethyl methacrylate	8.659	69	840	0.201	ug/l	94
56) Bromoform	11.085	173	648	0.339	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	41340	33.674	ug/l #	7

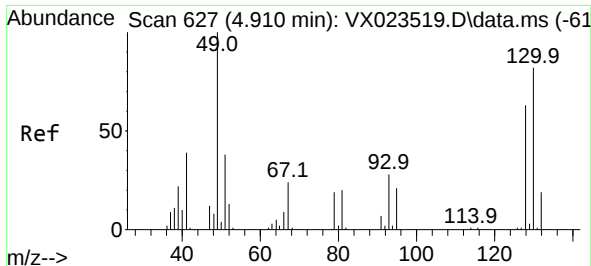
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :
TT-031-IDWGW-20210803

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Aug 03 12:05:42 2021
Response via : Initial Calibration

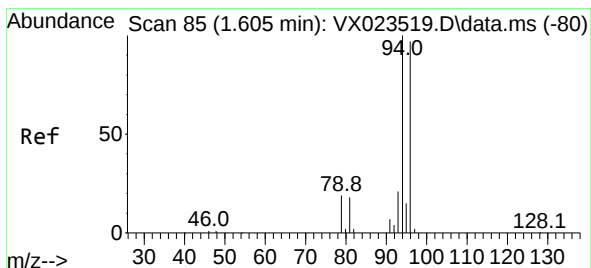
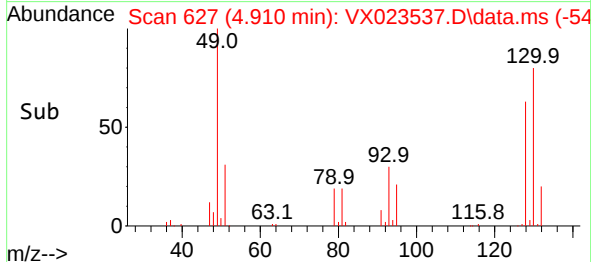
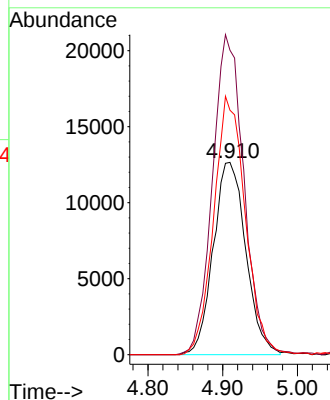
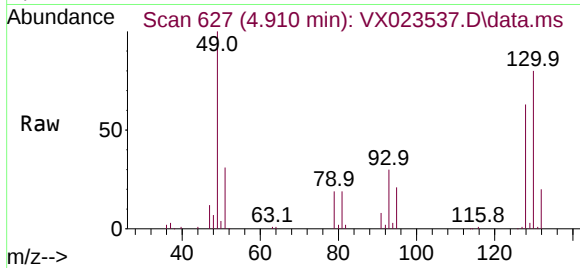




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.910 min Scan# 627
Delta R.T. -0.000 min
Lab File: VX023537.D
Acq: 04 Aug 2021 12:40

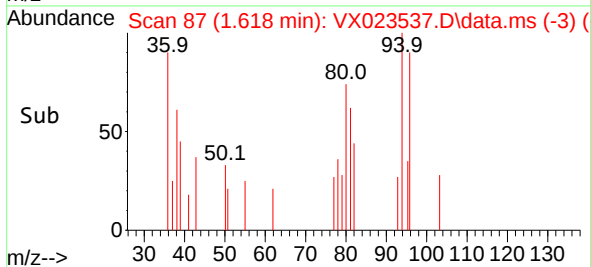
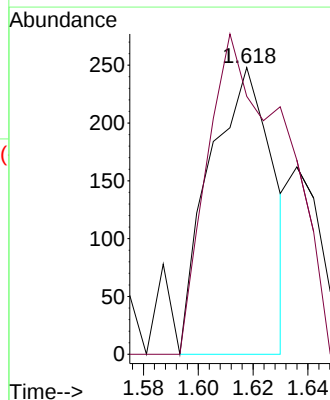
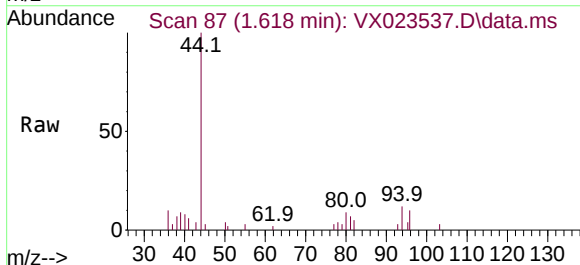
Instrument :
MSVOA_X
ClientSampleId :
TT-031-IDW/GW-20210803

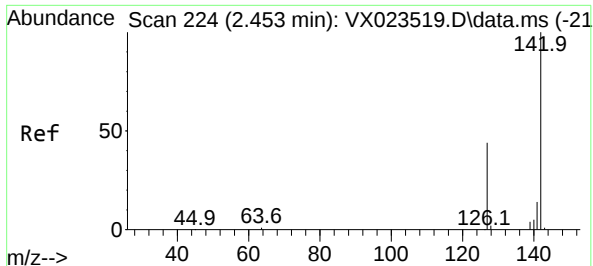
Tgt Ion:	128	Resp:	38312
Ion	Ratio	Lower	Upper
128	100		
49	160.6	0.0	402.5
130	130.1	0.0	326.5



#5
Bromomethane
Concen: 0.265 ug/l
RT: 1.618 min Scan# 87
Delta R.T. 0.012 min
Lab File: VX023537.D
Acq: 04 Aug 2021 12:40

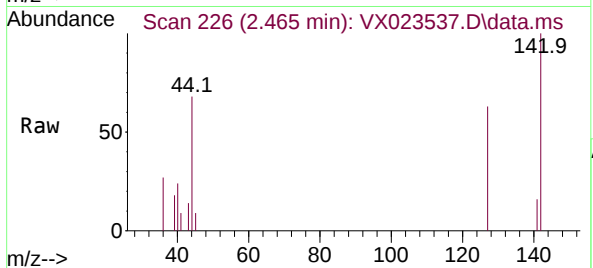
Tgt Ion:	94	Resp:	397
Ion	Ratio	Lower	Upper
94	100		
96	89.9	72.8	109.2



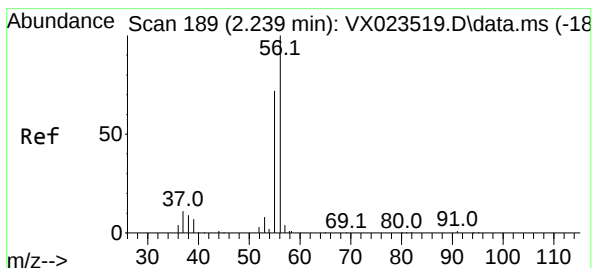
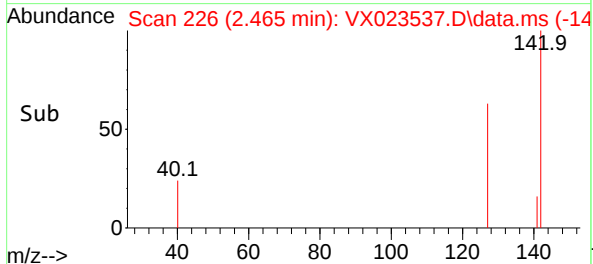
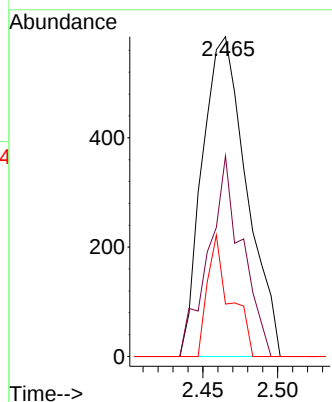


#11
Methyl Iodide
Concen: 0.386 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX023537.D
Acq: 04 Aug 2021 12:40

Instrument :
MSVOA_X
ClientSampleId :
TT-031-IDW/GW-20210803

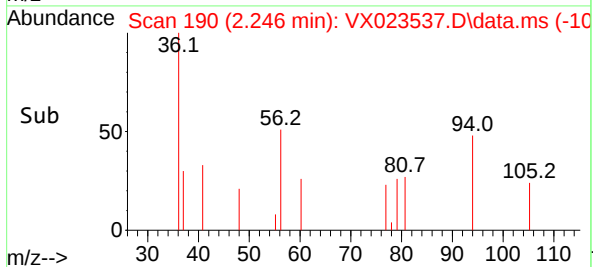
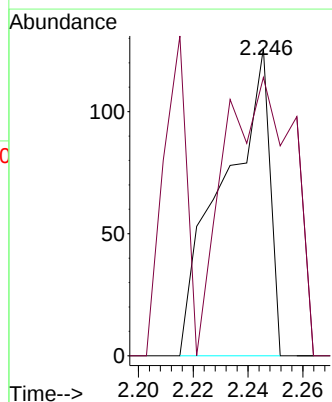
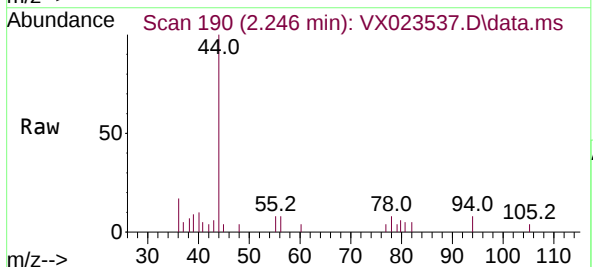


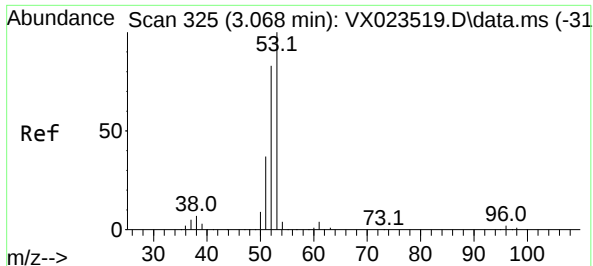
Tgt Ion:142 Resp: 1204
Ion Ratio Lower Upper
142 100
127 62.7 23.6 71.0
141 16.4 7.1 21.3



#13
Acrolein
Concen: 0.401 ug/l
RT: 2.246 min Scan# 190
Delta R.T. 0.006 min
Lab File: VX023537.D
Acq: 04 Aug 2021 12:40

Tgt Ion: 56 Resp: 146
Ion Ratio Lower Upper
56 100
55 136.3 59.5 89.3#

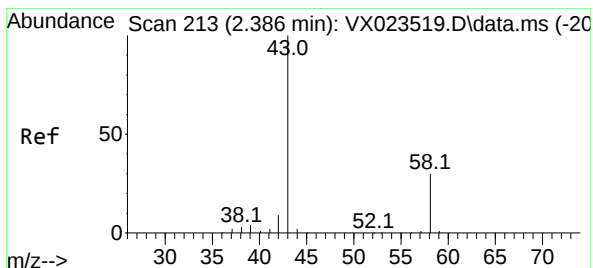
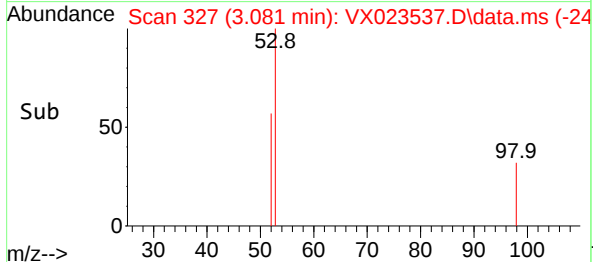
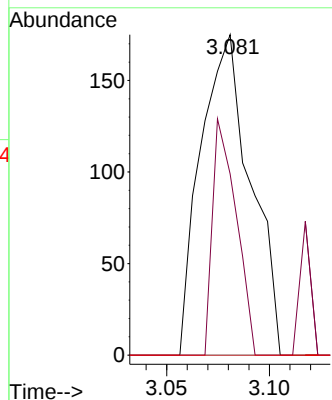
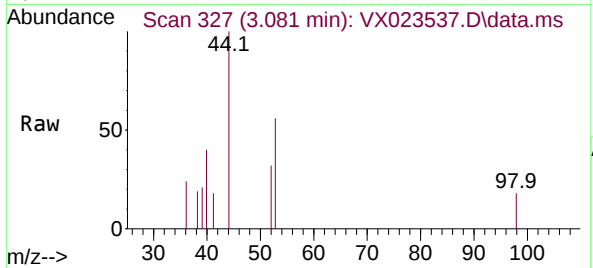




#14
Acrylonitrile
Concen: 0.202 ug/l
RT: 3.081 min Scan# 327
Delta R.T. 0.012 min
Lab File: VX023537.D
Acq: 04 Aug 2021 12:40

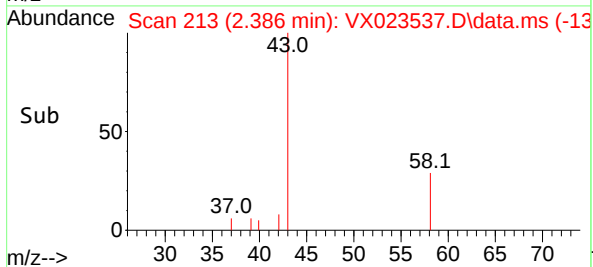
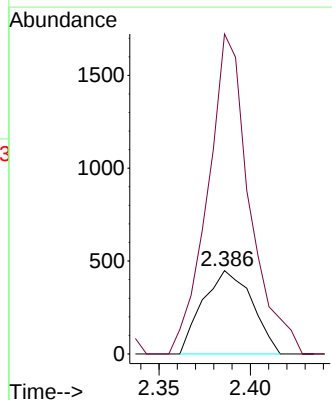
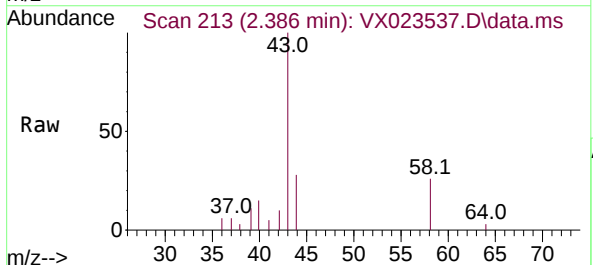
Instrument :
MSVOA_X
ClientSampleId :
TT-031-IDW/GW-20210803

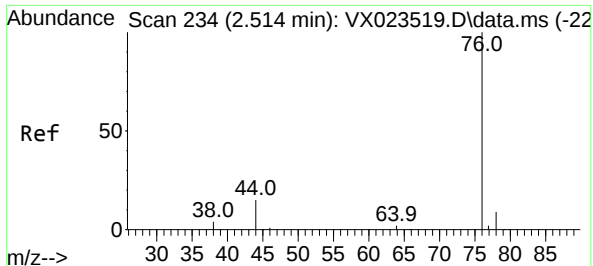
Tgt Ion: 53 Resp: 296
Ion Ratio Lower Upper
53 100
52 34.8 40.4 121.2#
51 0.0 18.1 54.1#



#15
Acetone
Concen: 1.895 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX023537.D
Acq: 04 Aug 2021 12:40

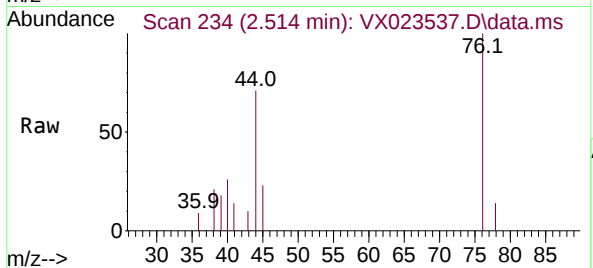
Tgt Ion: 58 Resp: 841
Ion Ratio Lower Upper
58 100
43 354.3 266.6 400.0



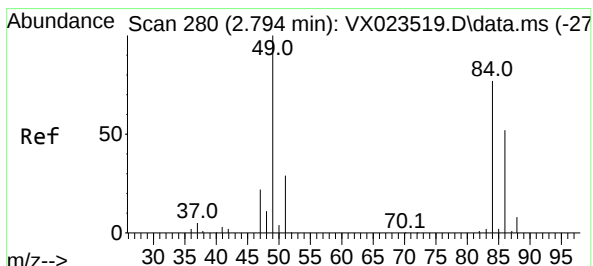
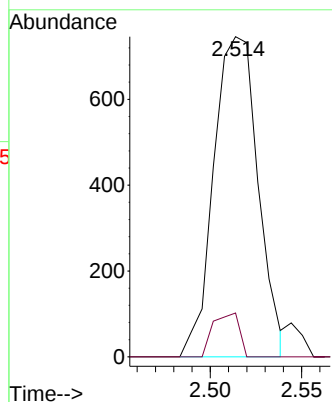
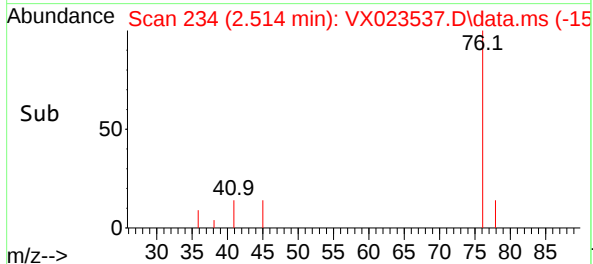


#16
Carbon Disulfide
Concen: 0.230 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.000 min
Lab File: VX023537.D
Acq: 04 Aug 2021 12:40

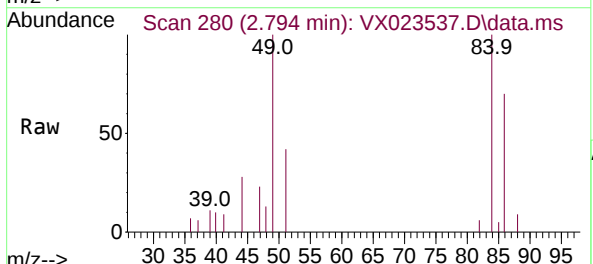
Instrument :
MSVOA_X
ClientSampleId :
TT-031-IDWGW-20210803



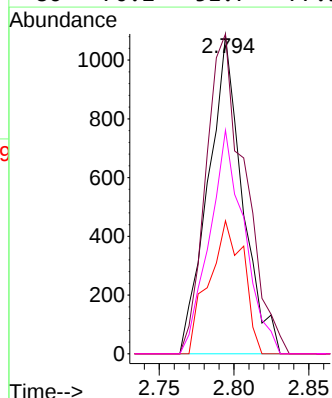
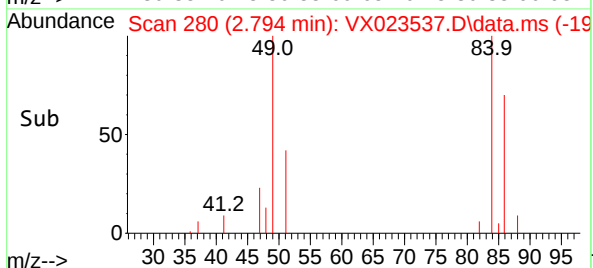
Tgt Ion: 76 Resp: 1258
Ion Ratio Lower Upper
76 100
78 13.7 7.3 10.9#

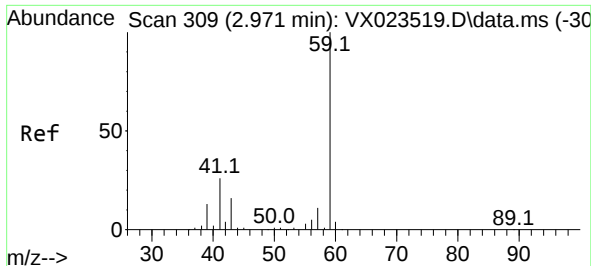


#18
Methylene Chloride
Concen: 0.662 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023537.D
Acq: 04 Aug 2021 12:40



Tgt Ion: 84 Resp: 1729
Ion Ratio Lower Upper
84 100
49 100.5 104.3 156.5#
51 41.8 30.3 45.5
86 70.2 51.7 77.5

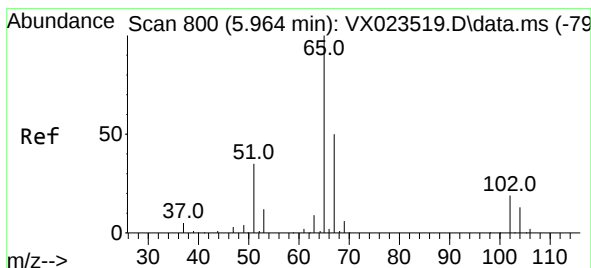
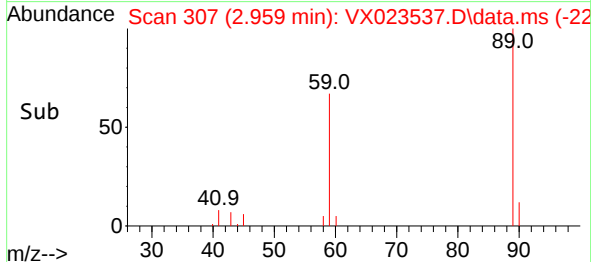
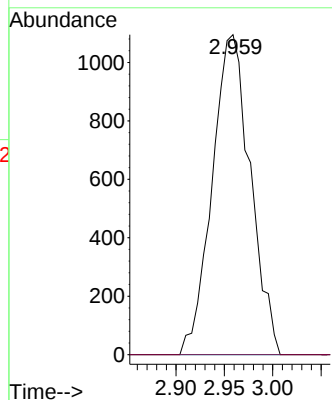
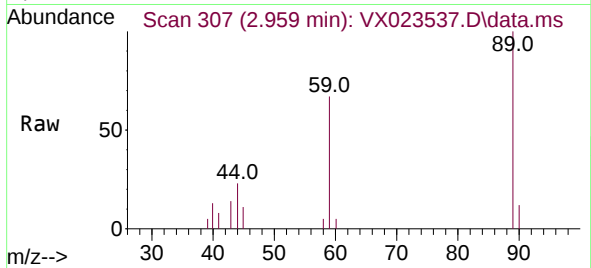




#23
tert-Butyl Alcohol
Concen: 4.525 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.012 min
Lab File: VX023537.D
Acq: 04 Aug 2021 12:40

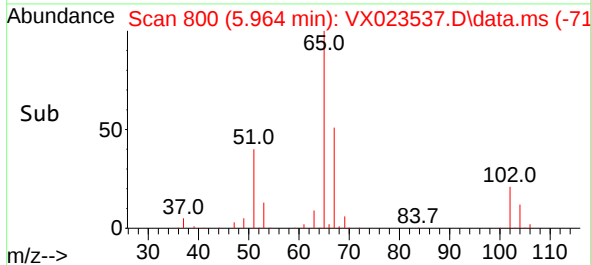
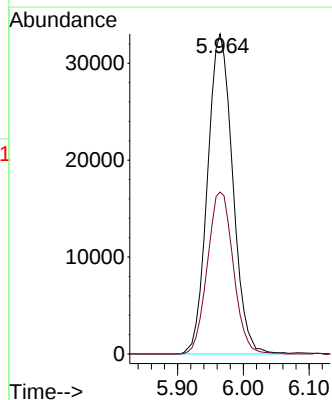
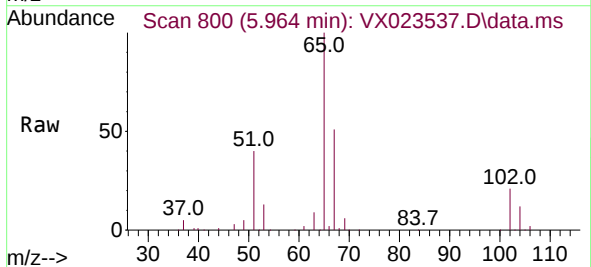
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ClientSampleId :
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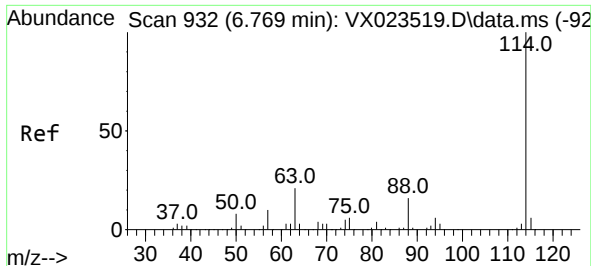
Tgt Ion: 59 Resp: 3007
Ion Ratio Lower Upper
59 100
52 3.4 0.1 0.1#



#27
1,2-Dichloroethane-d4
Concen: 29.675 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023537.D
Acq: 04 Aug 2021 12:40

Tgt Ion: 65 Resp: 87923
Ion Ratio Lower Upper
65 100
67 52.1 42.4 63.6

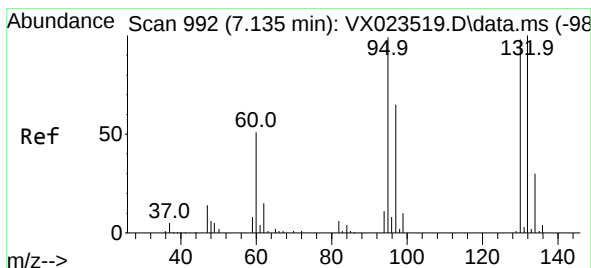
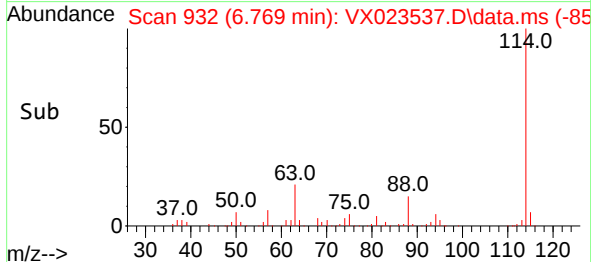
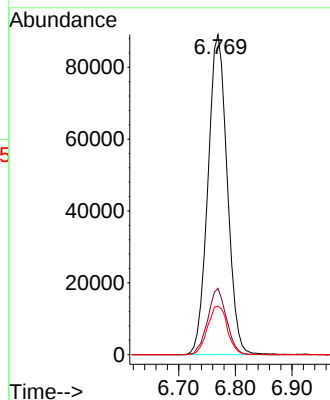
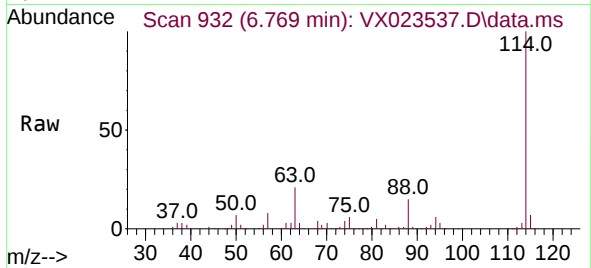




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX023537.D
Acq: 04 Aug 2021 12:40

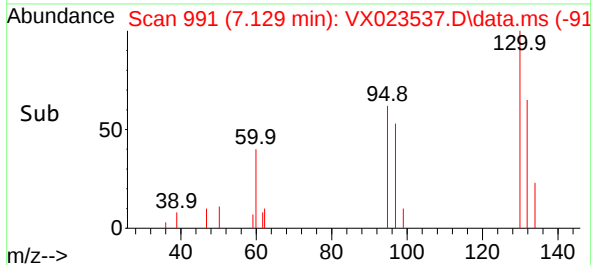
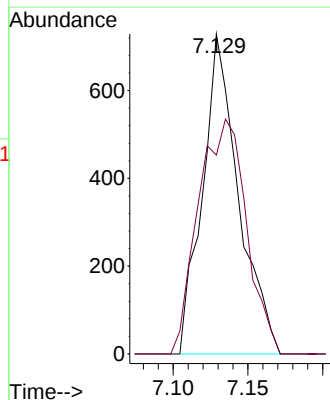
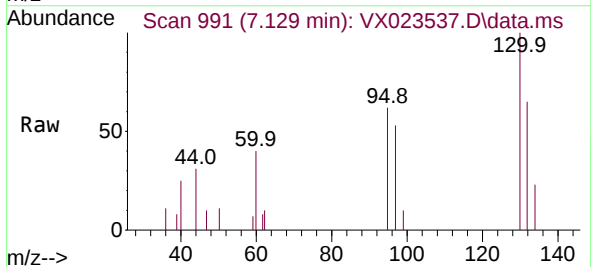
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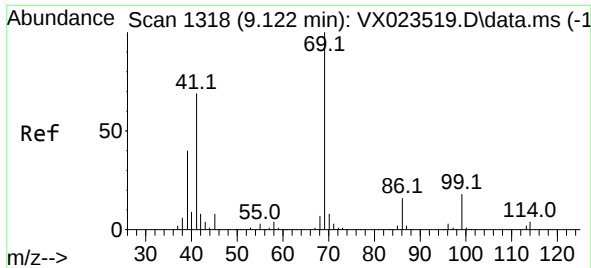
Tgt Ion:114 Resp: 210498
Ion Ratio Lower Upper
114 100
63 20.2 16.4 24.6
88 15.6 12.7 19.1



#37
Trichloroethene
Concen: 0.455 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.006 min
Lab File: VX023537.D
Acq: 04 Aug 2021 12:40

Tgt Ion:130 Resp: 1222
Ion Ratio Lower Upper
130 100
95 62.1 77.0 115.4#

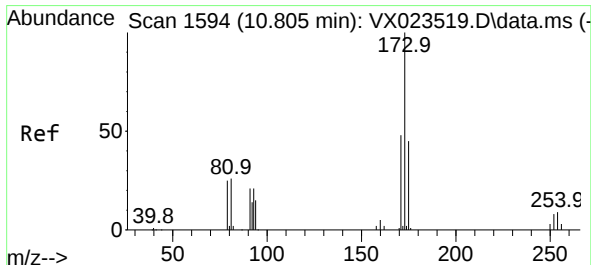
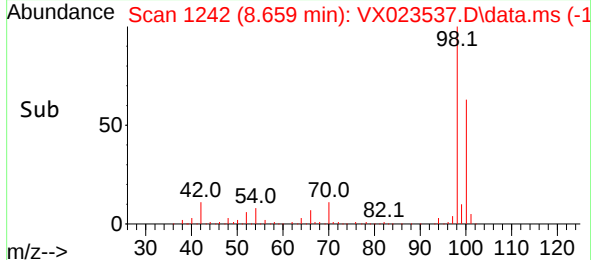
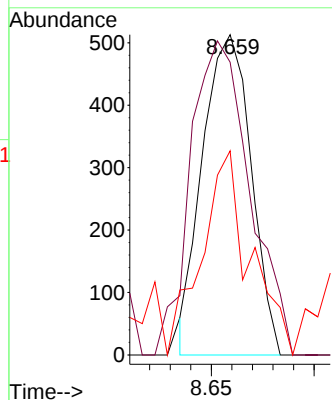
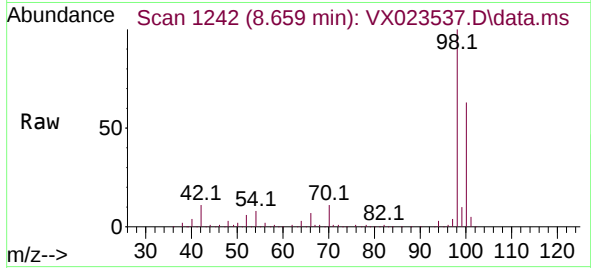




#51
Ethyl methacrylate
Concen: 0.201 ug/l
RT: 8.659 min Scan# 1242
Delta R.T. -0.463 min
Lab File: VX023537.D
Acq: 04 Aug 2021 12:40

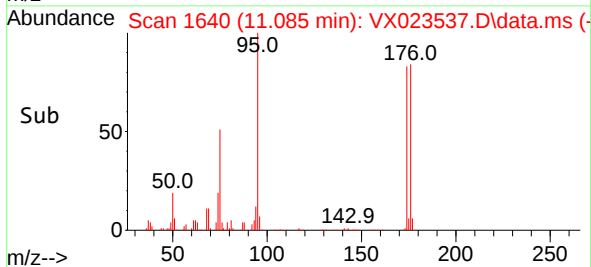
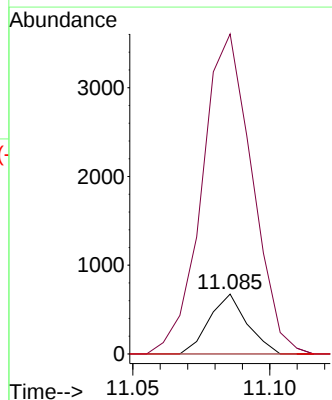
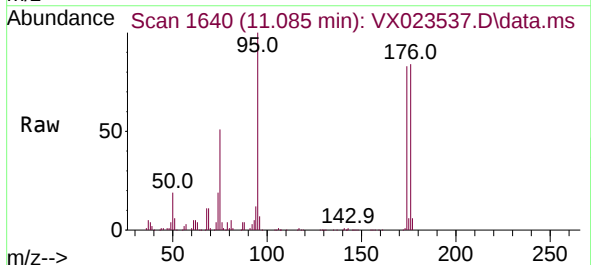
Instrument :
MSVOA_X
ClientSampleId :
TT-031-IDW/GW-20210803

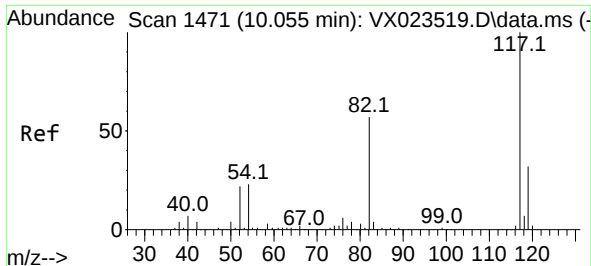
Tgt Ion:	69	Resp:	840
Ion	Ratio	Lower	Upper
69	100		
41	72.9	35.8	107.3
39	48.9	20.3	60.8



#56
Bromoform
Concen: 0.339 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.281 min
Lab File: VX023537.D
Acq: 04 Aug 2021 12:40

Tgt Ion:	173	Resp:	648
Ion	Ratio	Lower	Upper
173	100		
175	709.6	38.4	57.6#
254	0.0	7.3	10.9#

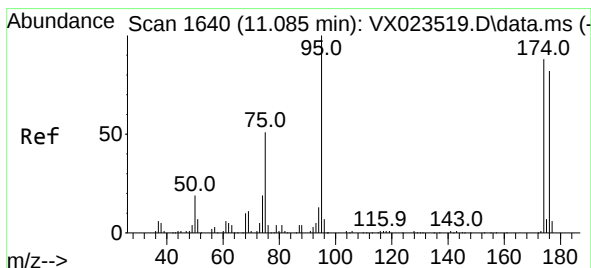
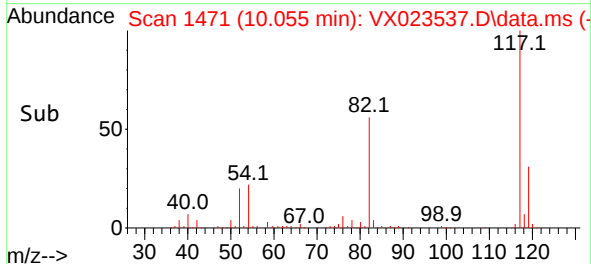
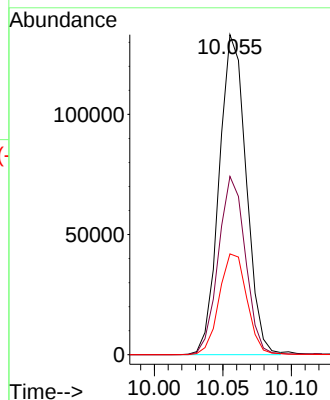
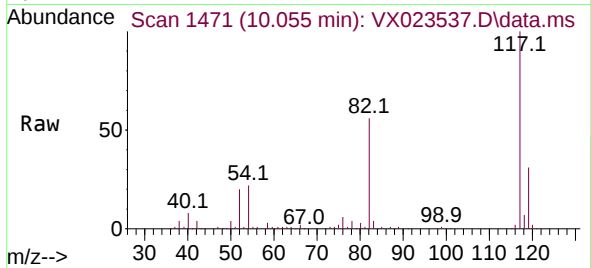




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX023537.D
Acq: 04 Aug 2021 12:40

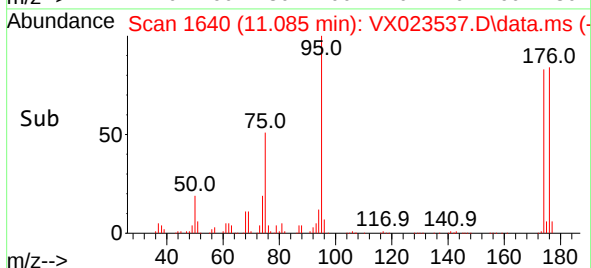
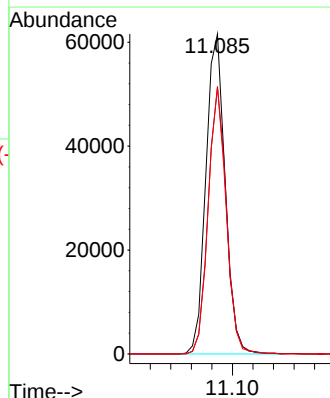
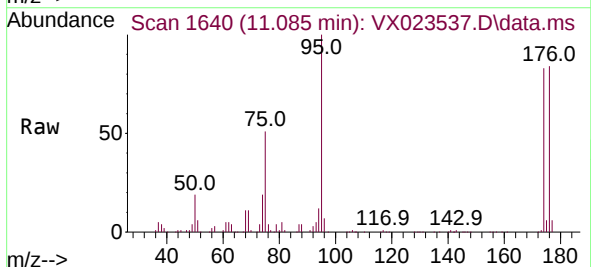
Instrument :
MSVOA_X
ClientSampleId :
TT-031-IDWGW-20210803

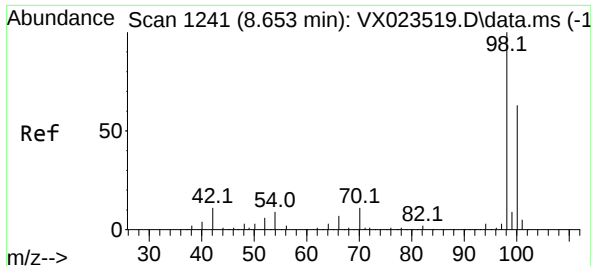
Tgt Ion:117 Resp: 182744
Ion Ratio Lower Upper
117 100
82 55.7 45.0 67.4
119 32.5 26.2 39.2



#60
4-Bromofluorobenzene
Concen: 26.758 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023537.D
Acq: 04 Aug 2021 12:40

Tgt Ion: 95 Resp: 80094
Ion Ratio Lower Upper
95 100
174 79.4 63.5 95.3
176 77.8 63.0 94.4

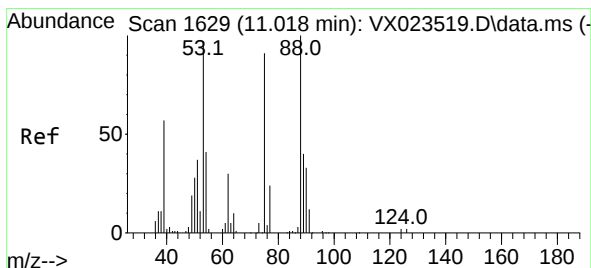
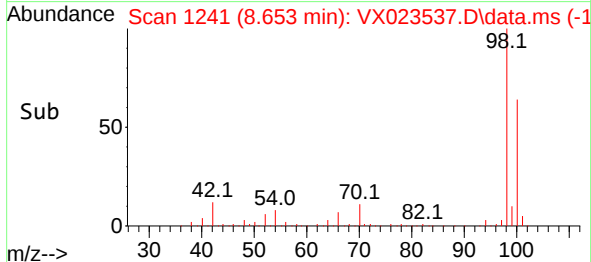
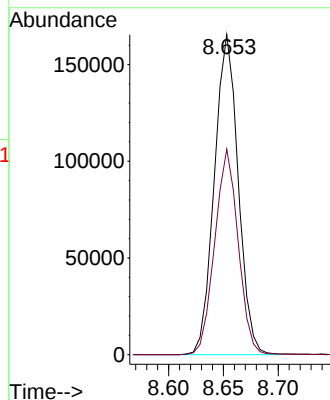
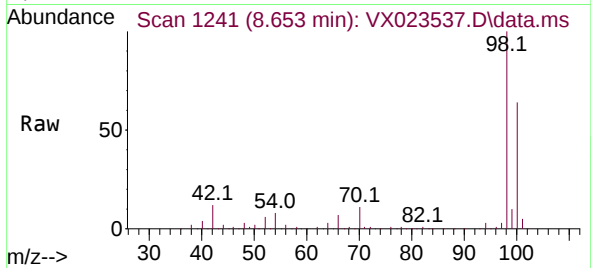




#63
Toluene-d8
Concen: 30.466 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX023537.D
Acq: 04 Aug 2021 12:40

Instrument :
MSVOA_X
ClientSampleId :
TT-031-IDWGW-20210803

Tgt Ion: 98 Resp: 250570
Ion Ratio Lower Upper
98 100
100 62.9 51.4 77.0



#77
t-1,4-Dichloro-2-butene
Concen: 33.674 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX023537.D
Acq: 04 Aug 2021 12:40

Tgt Ion: 75 Resp: 41340
Ion Ratio Lower Upper
75 100
53 0.0 53.9 161.7#
89 0.3 22.9 68.7#

