

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080321\
 Data File : VX023525.D
 Acq On : 03 Aug 2021 14:03
 Operator : JC/MD
 Sample : VX0803WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0803WBL01

Quant Time: Aug 04 04:54:51 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)

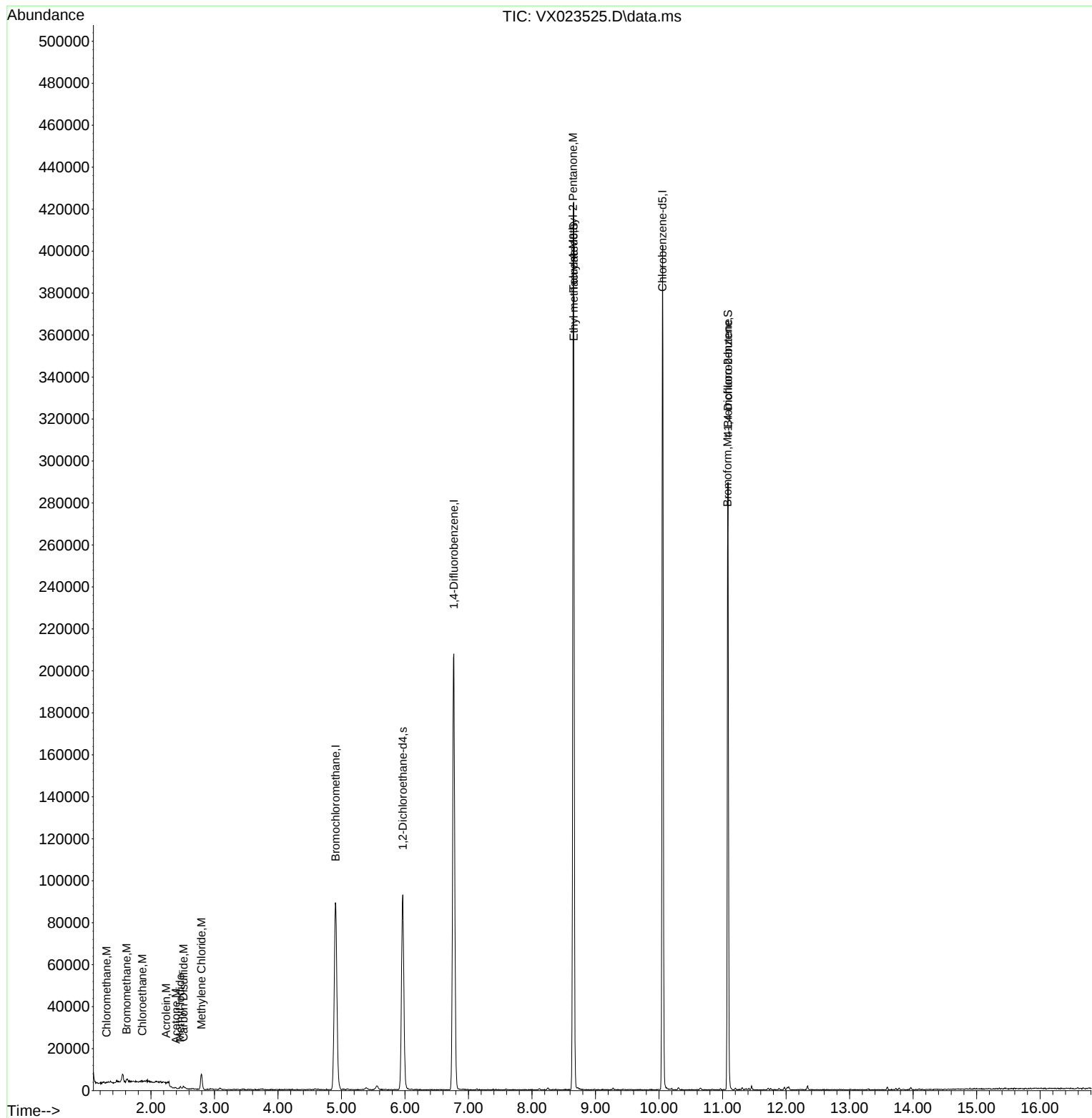
Internal Standards						
1) Bromochloromethane	4.909	128	37356	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.769	114	208488	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	174580	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.964	65	87309	30.222	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	100.733%
60) 4-Bromofluorobenzene	11.085	95	75538	26.417	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	88.067%
63) Toluene-d8	8.653	98	244723	31.147	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	103.833%
Target Compounds						
					Qvalue	
3) Chloromethane	1.300	50	498	0.200	ug/l	98
5) Bromomethane	1.617	94	443	0.303	ug/l #	47
6) Chloroethane	1.861	64	613	0.393	ug/l	95
11) Methyl Iodide	2.459	142	1112	0.366	ug/l #	90
13) Acrolein	2.239	56	100	0.281	ug/l	97
15) Acetone	2.392	58	94	0.217	ug/l #	1
16) Carbon Disulfide	2.513	76	1427	0.267	ug/l #	74
18) Methylene Chloride	2.794	84	3389	1.331	ug/l	90
51) Ethyl methacrylate	8.659	69	959	0.232	ug/l	92
56) Bromoform	11.079	173	543	0.287	ug/l #	1
58) 4-Methyl-2-Pentanone	8.646	43	1260	0.335	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.085	75	39256	33.472	ug/l #	7

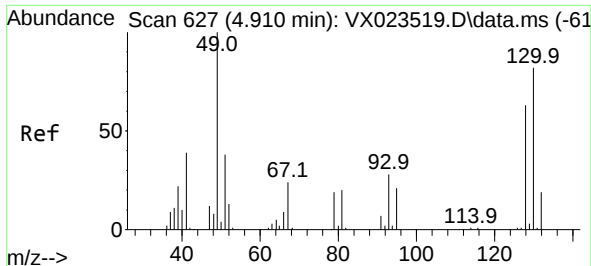
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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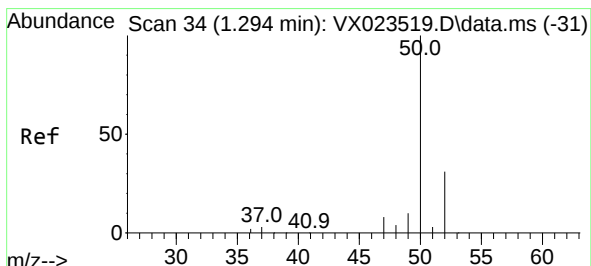
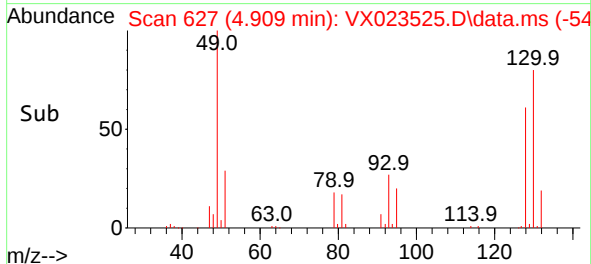
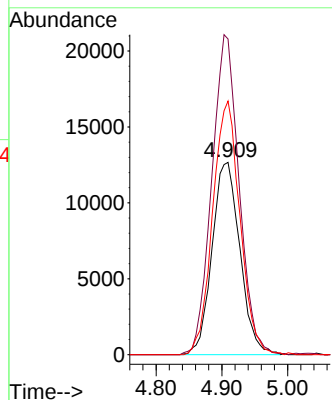
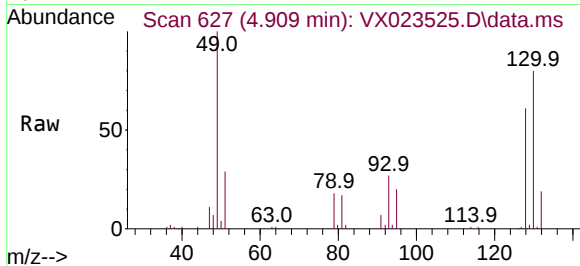




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.909 min Scan# 627
Delta R.T. -0.001 min
Lab File: VX023525.D
Acq: 03 Aug 2021 14:03

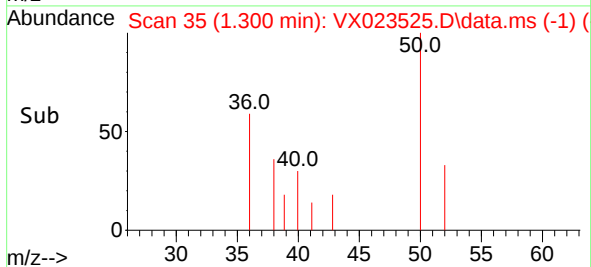
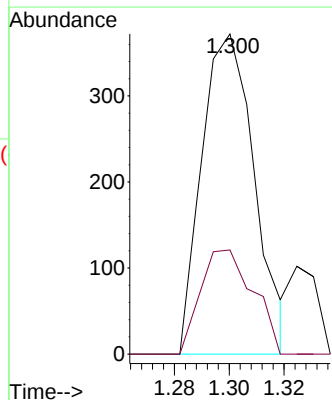
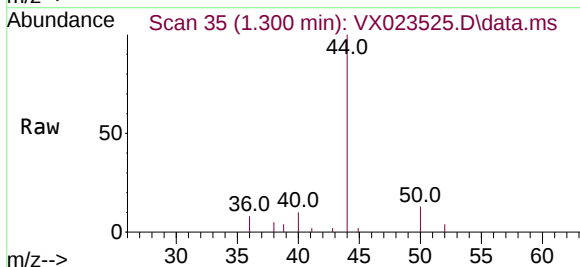
Instrument :
MSVOA_X
ClientSampleId :
VX0803WBL01

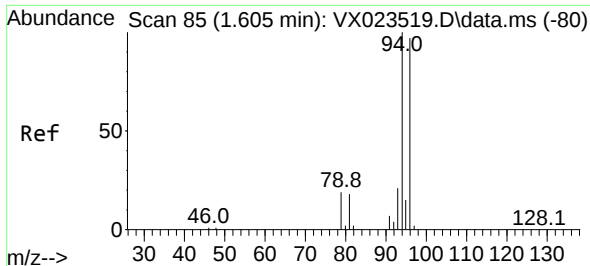
Tgt Ion:128 Resp: 37356
Ion Ratio Lower Upper
128 100
49 162.8 0.0 402.5
130 129.5 0.0 326.5



#3
Chloromethane
Concen: 0.200 ug/l
RT: 1.300 min Scan# 35
Delta R.T. 0.006 min
Lab File: VX023525.D
Acq: 03 Aug 2021 14:03

Tgt Ion: 50 Resp: 498
Ion Ratio Lower Upper
50 100
52 32.5 26.9 40.3

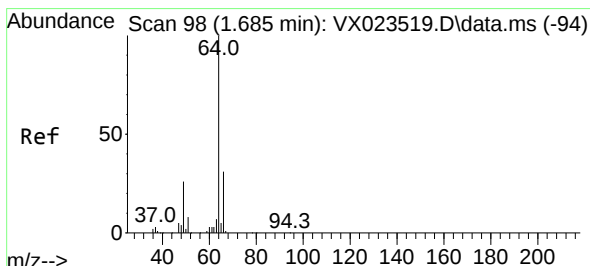
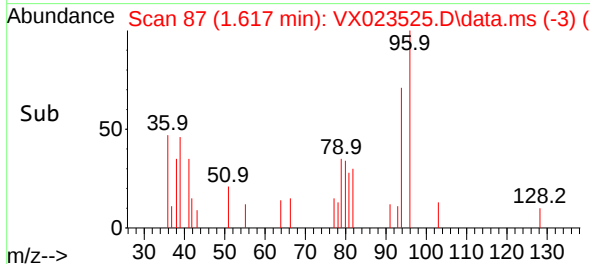
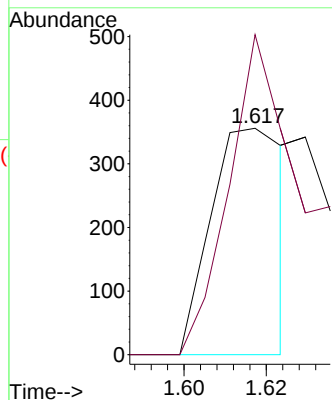
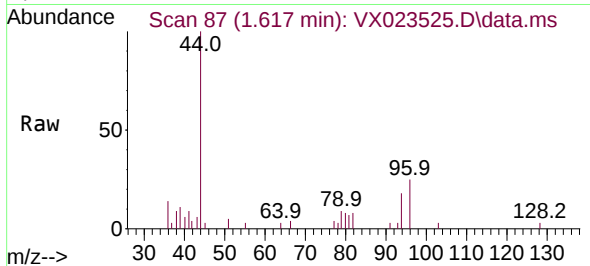




#5
Bromomethane
Concen: 0.303 ug/l
RT: 1.617 min Scan# 87
Delta R.T. 0.012 min
Lab File: VX023525.D
Acq: 03 Aug 2021 14:03

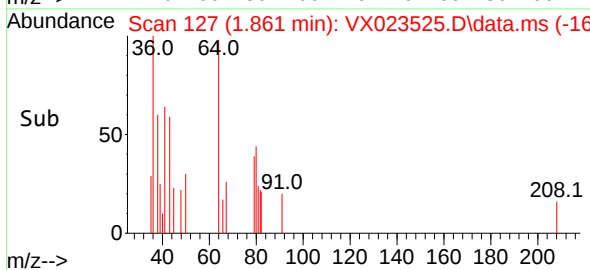
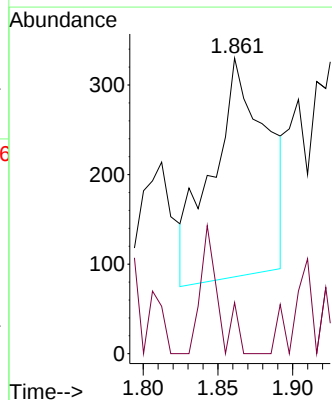
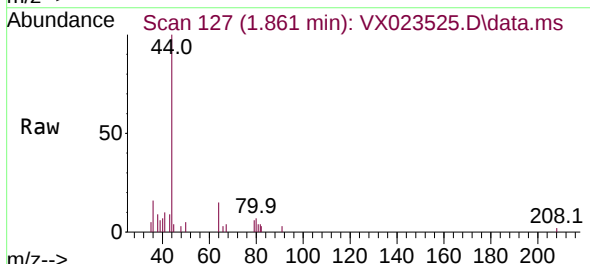
Instrument :
MSVOA_X
ClientSampled :
VX0803WBL01

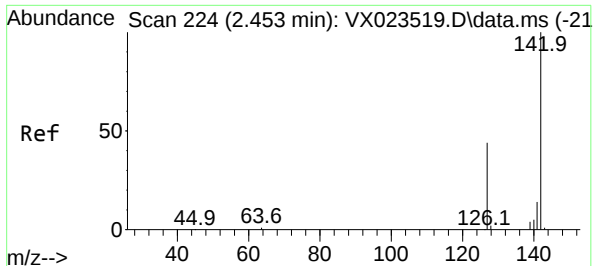
Tgt Ion: 94 Resp: 443
Ion Ratio Lower Upper
94 100
96 141.3 72.8 109.2#



#6
Chloroethane
Concen: 0.393 ug/l
RT: 1.861 min Scan# 127
Delta R.T. 0.177 min
Lab File: VX023525.D
Acq: 03 Aug 2021 14:03

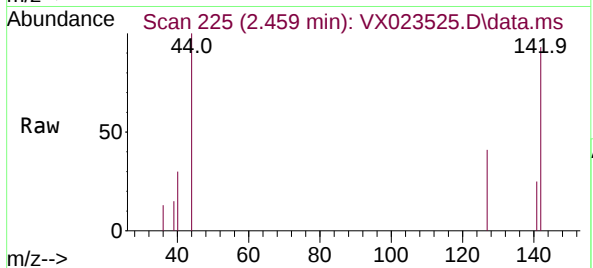
Tgt Ion: 64 Resp: 613
Ion Ratio Lower Upper
64 100
66 30.8 26.8 40.2



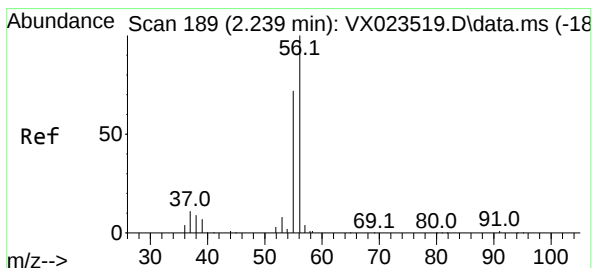
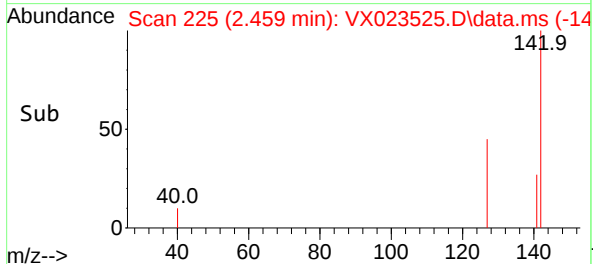
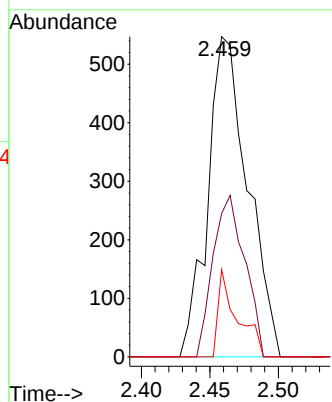


#11
Methyl Iodide
Concen: 0.366 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX023525.D
Acq: 03 Aug 2021 14:03

Instrument :
MSVOA_X
ClientSampleId :
VX0803WBL01

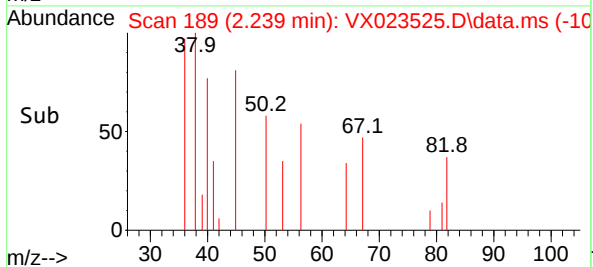
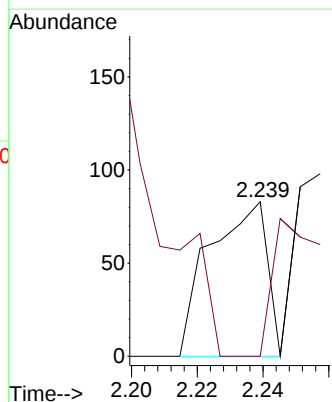
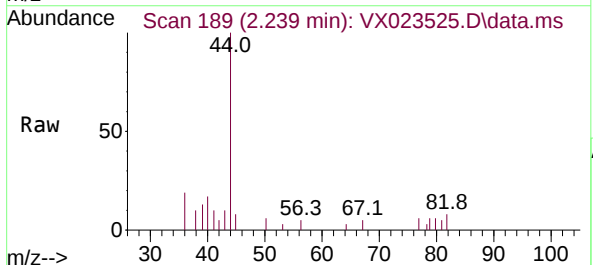


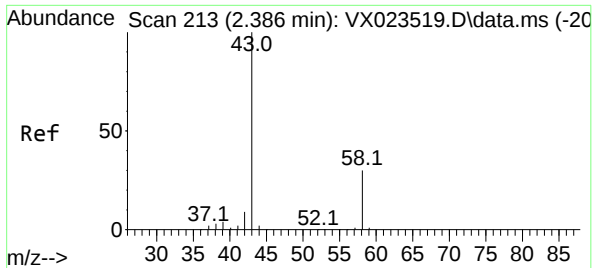
Tgt Ion:142 Resp: 1112
Ion Ratio Lower Upper
142 100
127 44.8 23.6 71.0
141 27.2 7.1 21.3#



#13
Acrolein
Concen: 0.281 ug/l
RT: 2.239 min Scan# 189
Delta R.T. -0.000 min
Lab File: VX023525.D
Acq: 03 Aug 2021 14:03

Tgt Ion: 56 Resp: 100
Ion Ratio Lower Upper
56 100
55 72.0 59.5 89.3

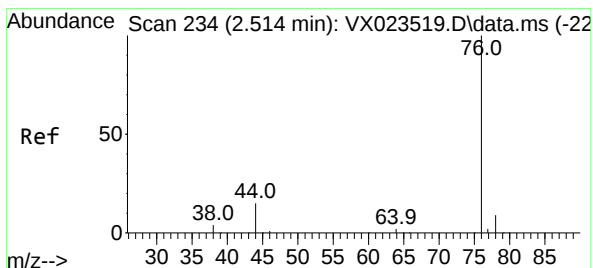
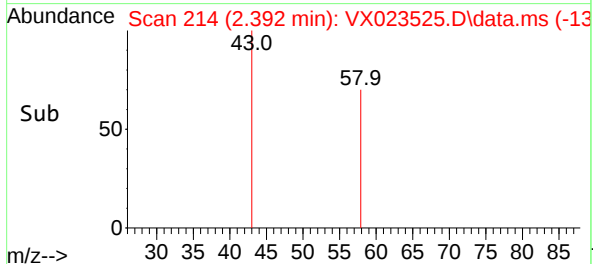
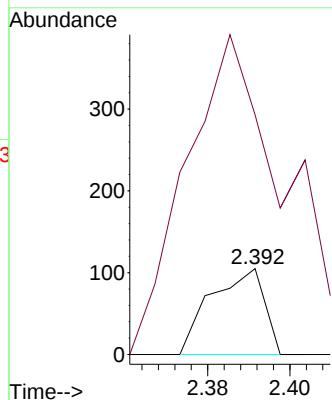
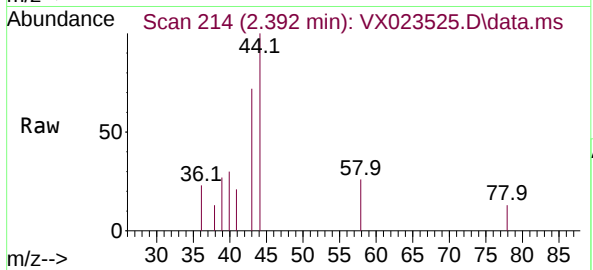




#15
Acetone
Concen: 0.217 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX023525.D
Acq: 03 Aug 2021 14:03

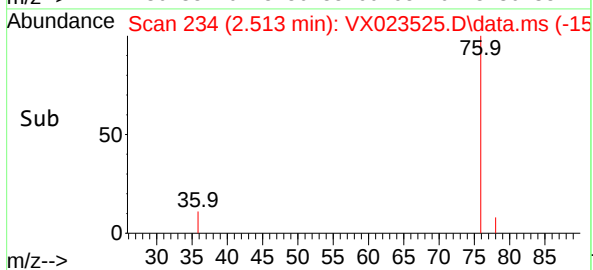
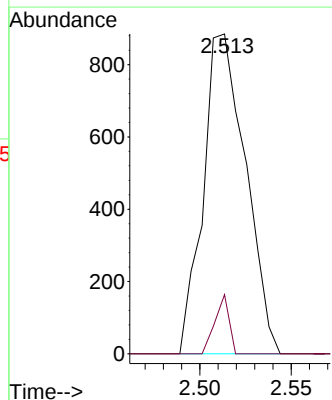
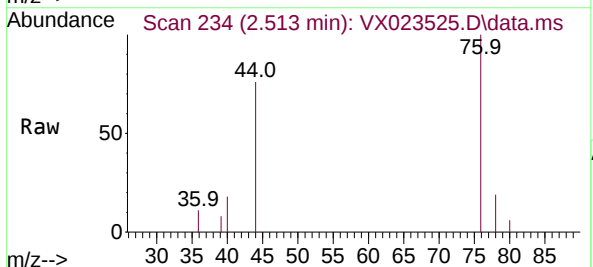
Instrument :
MSVOA_X
ClientSampled :
VX0803WBL01

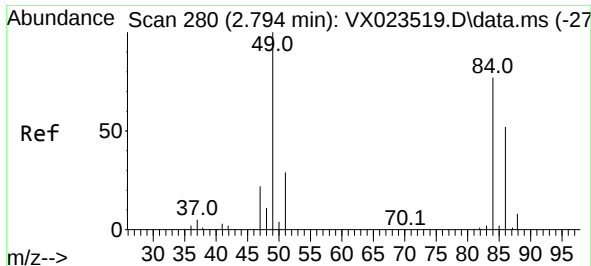
Tgt Ion: 58 Resp: 94
Ion Ratio Lower Upper
58 100
43 108.6 266.6 400.0#



#16
Carbon Disulfide
Concen: 0.267 ug/l
RT: 2.513 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX023525.D
Acq: 03 Aug 2021 14:03

Tgt Ion: 76 Resp: 1427
Ion Ratio Lower Upper
76 100
78 18.5 7.3 10.9#

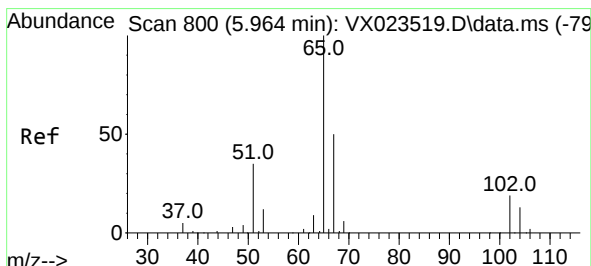
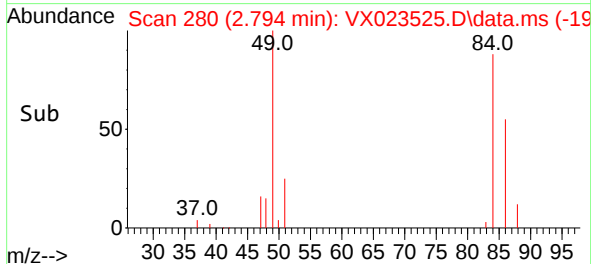
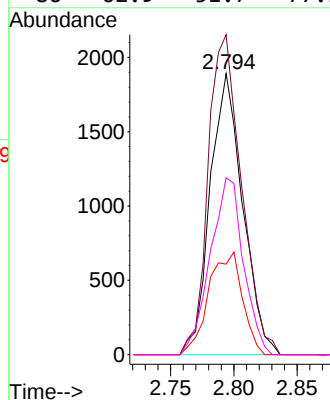
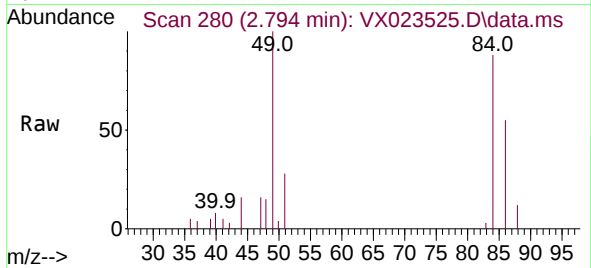




#18
Methylene Chloride
Concen: 1.331 ug/l
RT: 2.794 min Scan# 280
Delta R.T. -0.000 min
Lab File: VX023525.D
Acq: 03 Aug 2021 14:03

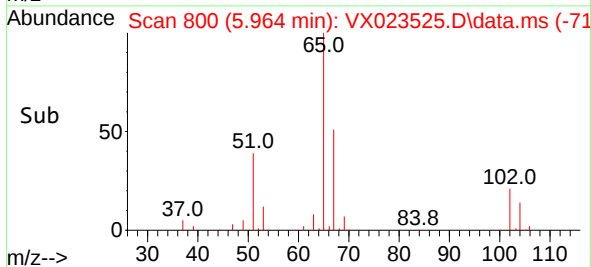
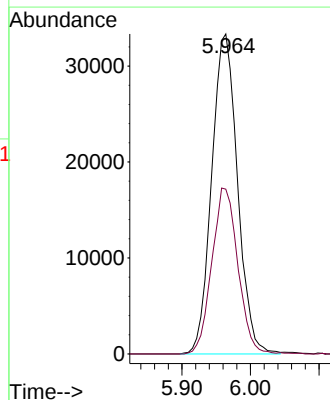
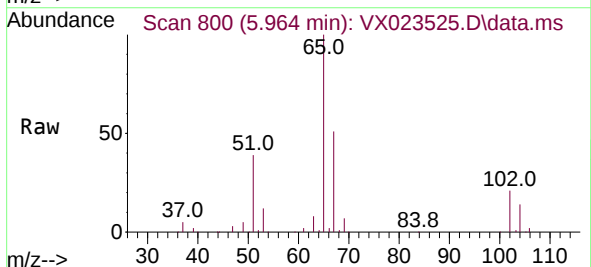
Instrument :
MSVOA_X
ClientSampleId :
VX0803WBL01

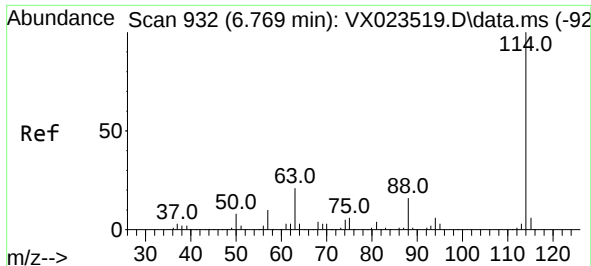
Tgt Ion:	84	Resp:	3389
Ion	Ratio	Lower	Upper
84	100		
49	113.9	104.3	156.5
51	32.2	30.3	45.5
86	62.9	51.7	77.5



#27
1,2-Dichloroethane-d4
Concen: 30.222 ug/l
RT: 5.964 min Scan# 800
Delta R.T. -0.000 min
Lab File: VX023525.D
Acq: 03 Aug 2021 14:03

Tgt Ion:	65	Resp:	87309
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: VX023525.D

Acq: 03 Aug 2021 14:03

Instrument :

MSVOA_X

ClientSampleId :

VX0803WBL01

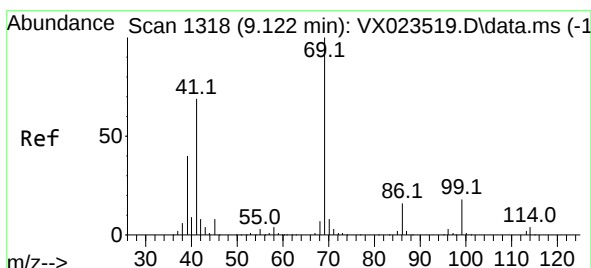
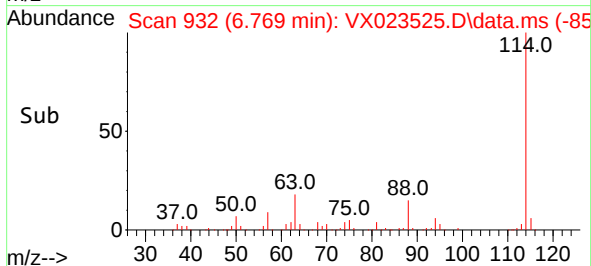
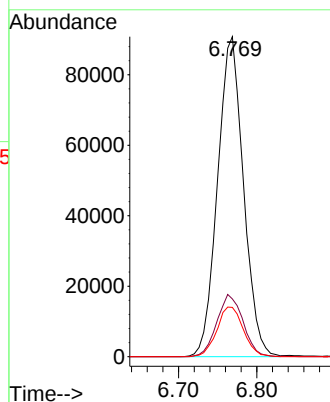
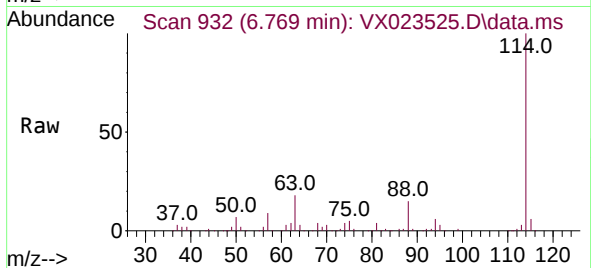
Tgt Ion:114 Resp: 208488

Ion Ratio Lower Upper

114 100

63 19.7 16.4 24.6

88 15.9 12.7 19.1



#51

Ethyl methacrylate

Concen: 0.232 ug/l

RT: 8.659 min Scan# 1242

Delta R.T. -0.464 min

Lab File: VX023525.D

Acq: 03 Aug 2021 14:03

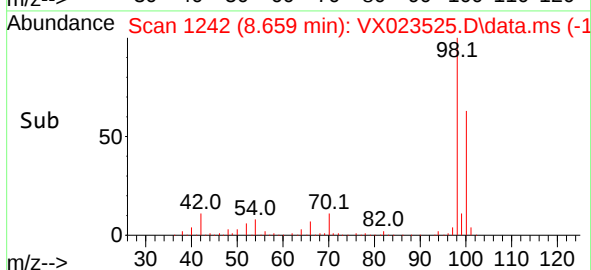
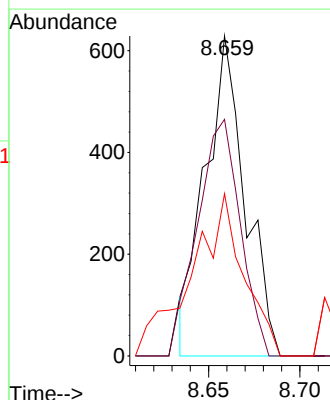
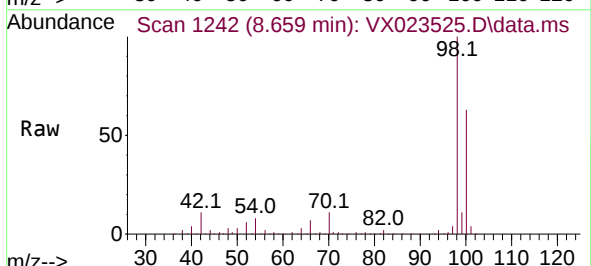
Tgt Ion: 69 Resp: 959

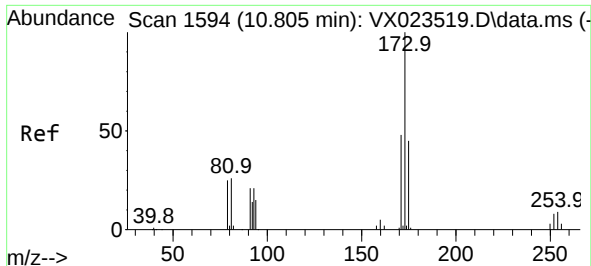
Ion Ratio Lower Upper

69 100

41 73.9 35.8 107.3

39 50.7 20.3 60.8

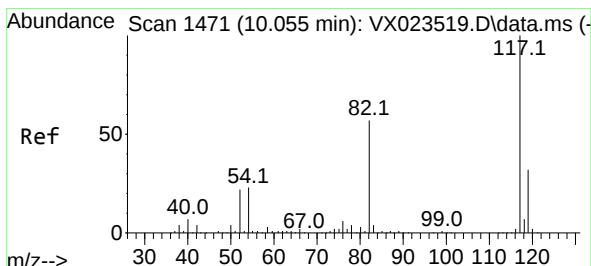
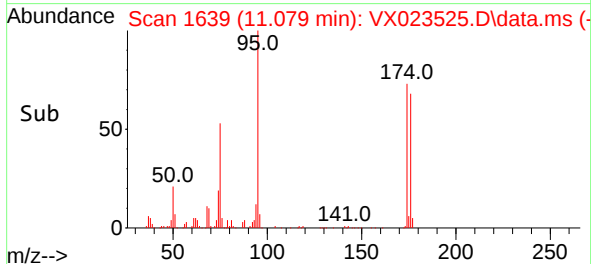
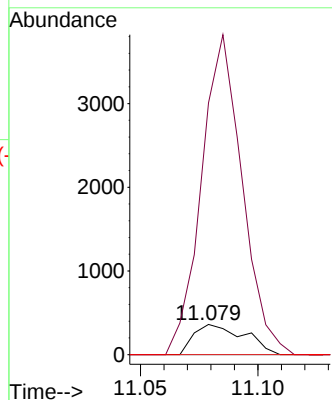
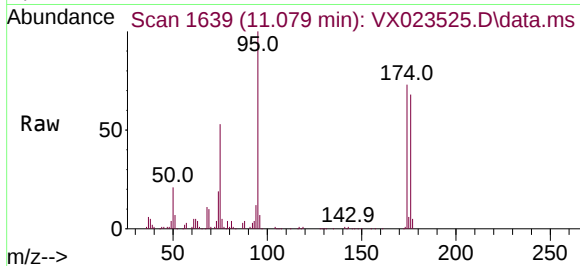




#56
Bromoform
Concen: 0.287 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.274 min
Lab File: VX023525.D
Acq: 03 Aug 2021 14:03

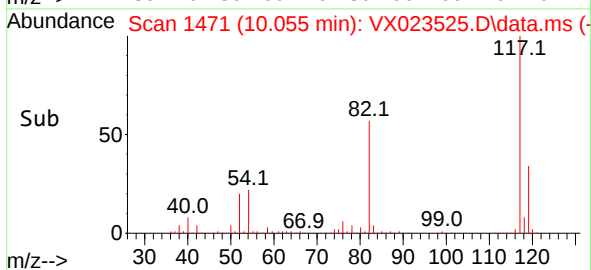
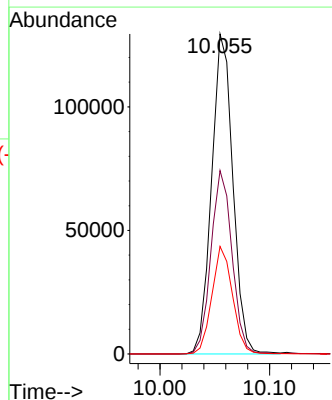
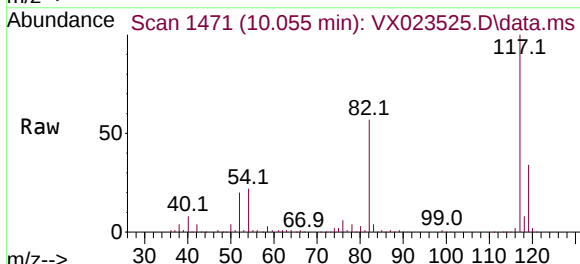
Instrument :
MSVOA_X
ClientSampleId :
VX0803WBL01

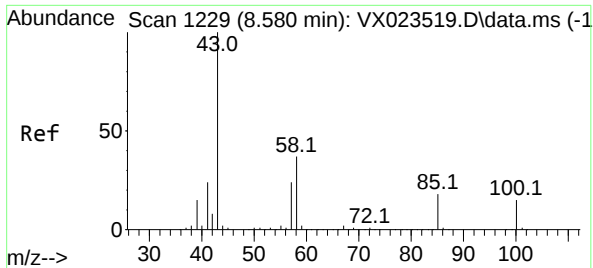
Tgt Ion:173 Resp: 543
Ion Ratio Lower Upper
173 100
175 851.0 38.4 57.6#
254 0.0 7.3 10.9#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX023525.D
Acq: 03 Aug 2021 14:03

Tgt Ion:117 Resp: 174580
Ion Ratio Lower Upper
117 100
82 57.0 45.0 67.4
119 32.6 26.2 39.2

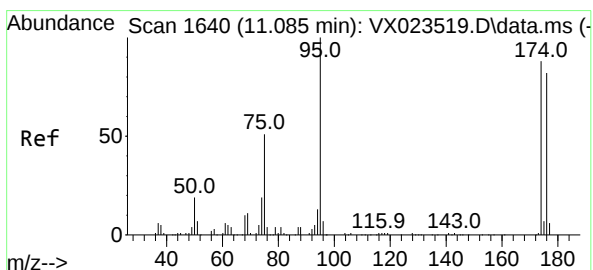
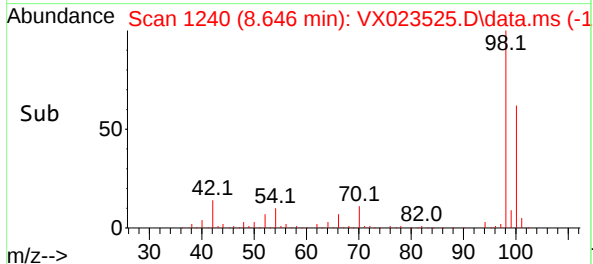
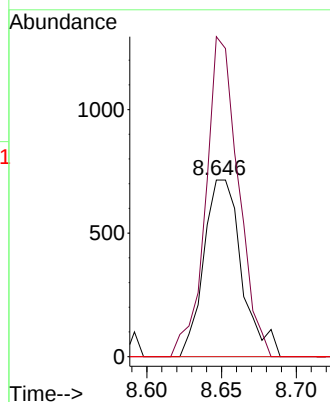
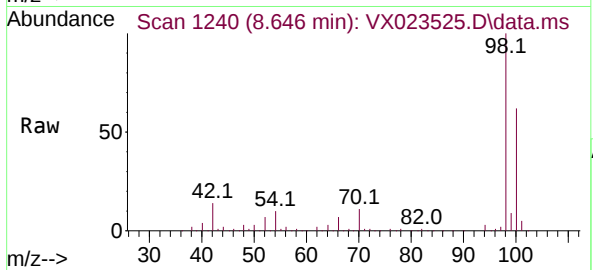




#58
4-Methyl-2-Pentanone
Concen: 0.335 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. 0.067 min
Lab File: VX023525.D
Acq: 03 Aug 2021 14:03

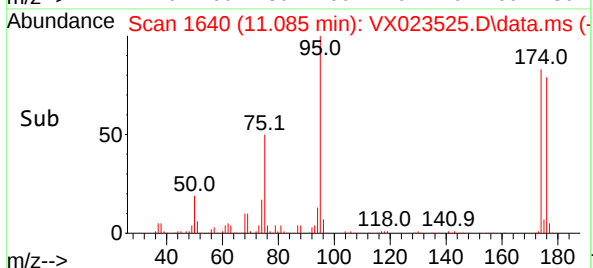
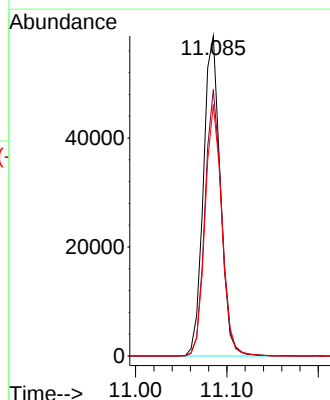
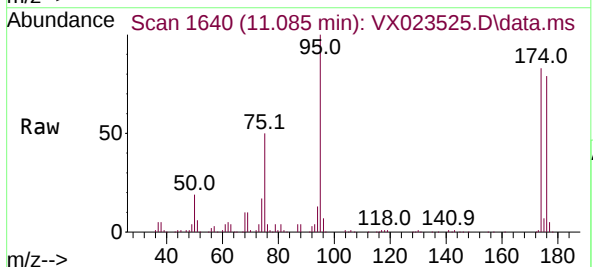
Instrument :
MSVOA_X
ClientSampleId :
VX0803WBL01

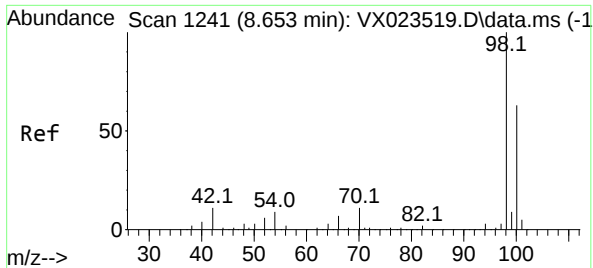
Tgt Ion: 43 Resp: 1260
Ion Ratio Lower Upper
43 100
58 156.1 30.5 45.7#
85 0.0 14.0 21.0#



#60
4-Bromofluorobenzene
Concen: 26.417 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.000 min
Lab File: VX023525.D
Acq: 03 Aug 2021 14:03

Tgt Ion: 95 Resp: 75538
Ion Ratio Lower Upper
95 100
174 81.7 63.5 95.3
176 77.6 63.0 94.4

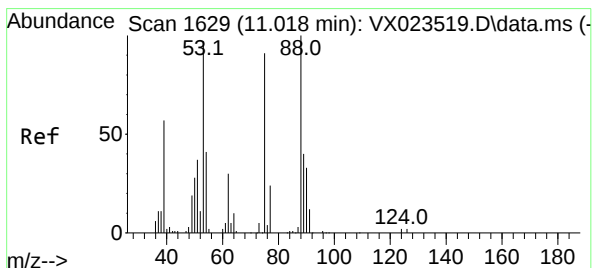
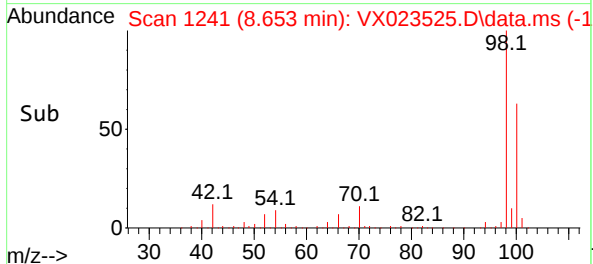
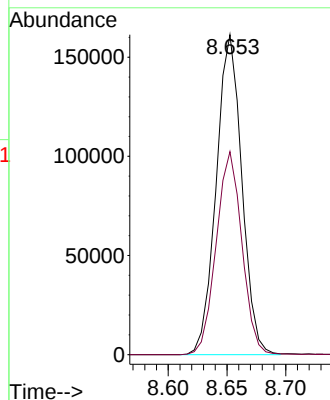
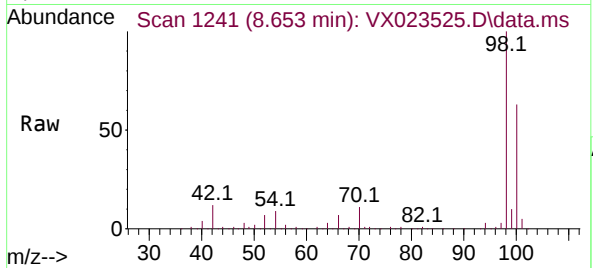




#63
Toluene-d8
Concen: 31.147 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023525.D
Acq: 03 Aug 2021 14:03

Instrument :
MSVOA_X
ClientSampleId :
VX0803WBL01

Tgt Ion: 98 Resp: 244723
Ion Ratio Lower Upper
98 100
100 63.7 51.4 77.0



#77
t-1,4-Dichloro-2-butene
Concen: 33.472 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.067 min
Lab File: VX023525.D
Acq: 03 Aug 2021 14:03

Tgt Ion: 75 Resp: 39256
Ion Ratio Lower Upper
75 100
53 0.0 53.9 161.7#
89 0.0 22.9 68.7#

