

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082221\
 Data File : VX023875.D
 Acq On : 20 Aug 2021 14:18
 Operator : JC/MD
 Sample : VX0822WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0822WBL01

Quant Time: Aug 21 01:10:39 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)

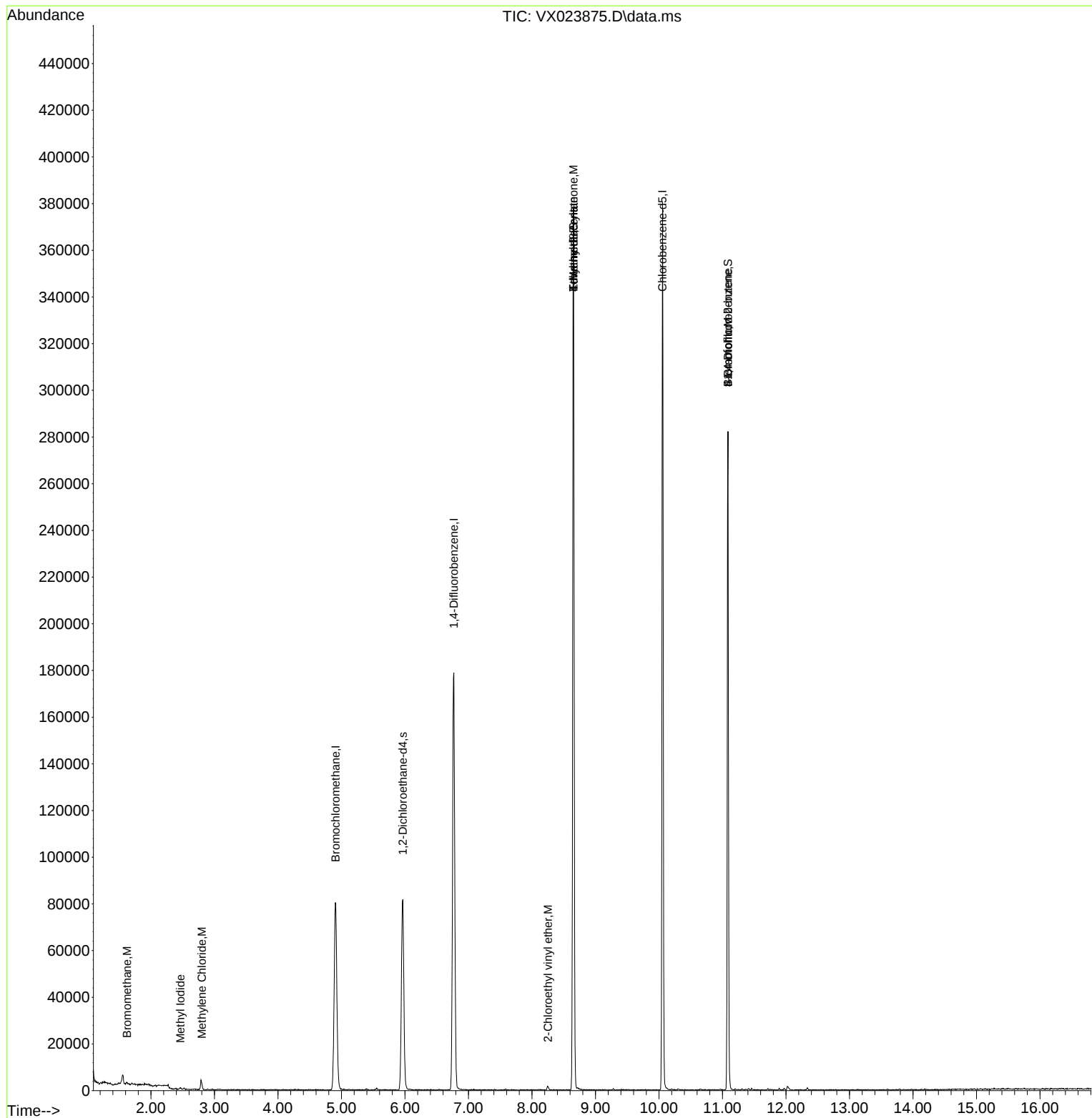
Internal Standards						
1) Bromochloromethane	4.910	128	33291	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.769	114	179610	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	159263	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.964	65	80778	31.376	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 104.600%	
60) 4-Bromofluorobenzene	11.086	95	70779	27.133	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 90.433%	
63) Toluene-d8	8.653	98	217702	30.372	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 101.233%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.624	94	522	0.401	ug/l	91
11) Methyl Iodide	2.465	142	602	0.222	ug/l #	79
18) Methylene Chloride	2.800	84	1540	0.679	ug/l #	63
51) Ethyl methacrylate	8.653	69	732	0.205	ug/l	87
55) 2-Chloroethyl vinyl ether	8.251	63	636	0.357	ug/l #	59
56) Bromoform	11.086	173	615	0.377	ug/l #	1
58) 4-Methyl-2-Pentanone	8.653	43	1286	0.375	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.086	75	38828	36.291	ug/l #	7

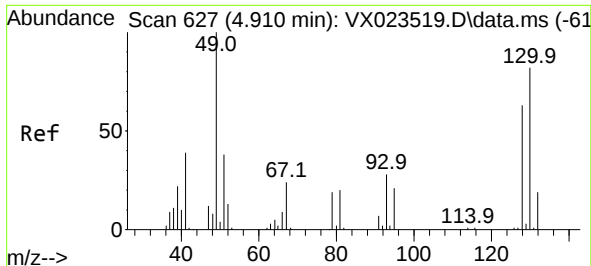
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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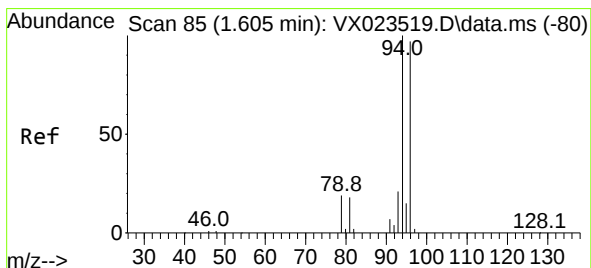
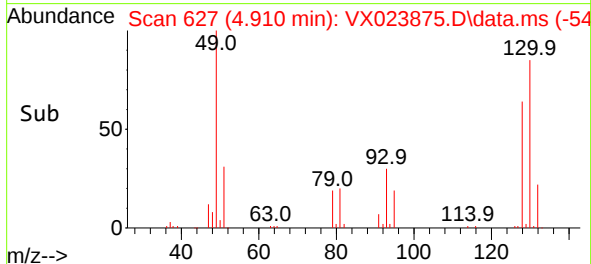
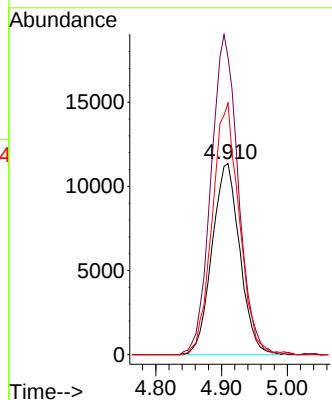
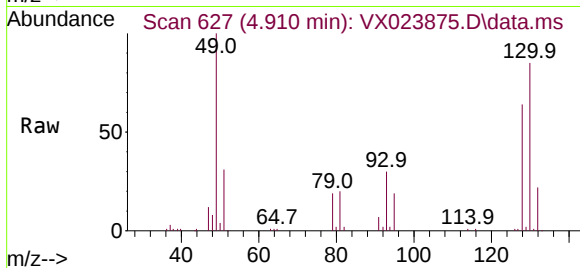




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.910 min Scan# 627
Delta R.T. -0.000 min
Lab File: VX023875.D
Acq: 20 Aug 2021 14:18

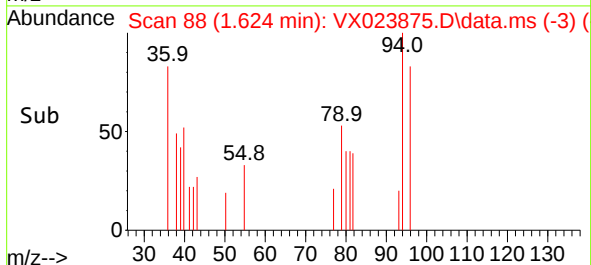
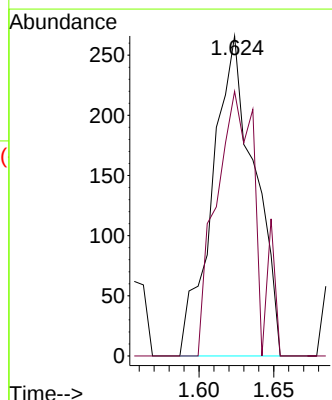
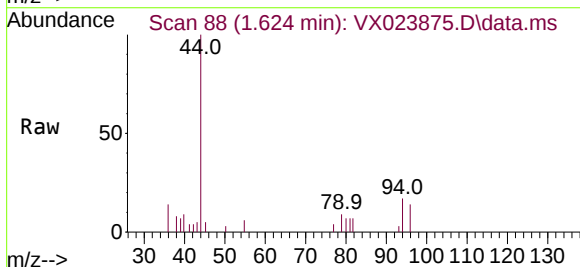
Instrument :
MSVOA_X
ClientSampleId :
VX0822WBL01

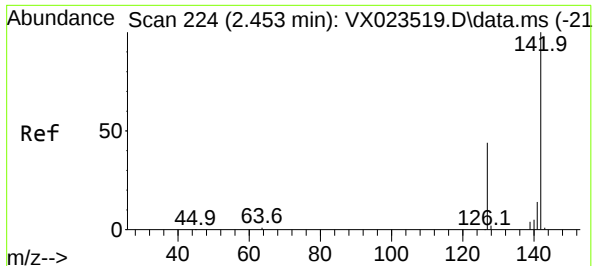
Tgt Ion:128 Resp: 33291
Ion Ratio Lower Upper
128 100
49 165.0 0.0 402.5
130 128.4 0.0 326.5



#5
Bromomethane
Concen: 0.401 ug/l
RT: 1.624 min Scan# 88
Delta R.T. 0.018 min
Lab File: VX023875.D
Acq: 20 Aug 2021 14:18

Tgt Ion: 94 Resp: 522
Ion Ratio Lower Upper
94 100
96 82.7 72.8 109.2





#11

Methyl Iodide

Concen: 0.222 ug/l

RT: 2.465 min Scan# 226

Delta R.T. 0.012 min

Lab File: VX023875.D

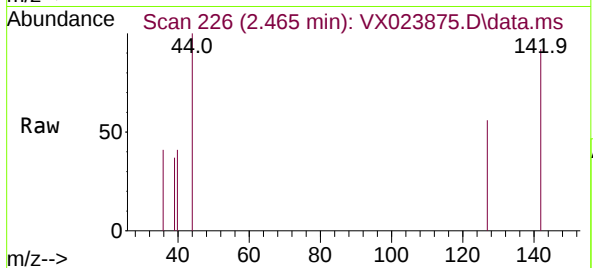
Acq: 20 Aug 2021 14:18

Instrument :

MSVOA_X

ClientSampleId :

VX0822WBL01



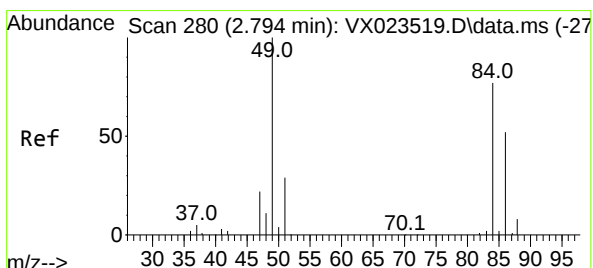
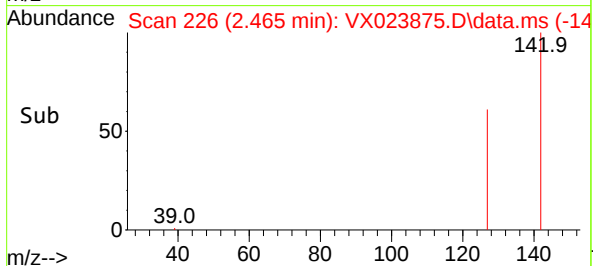
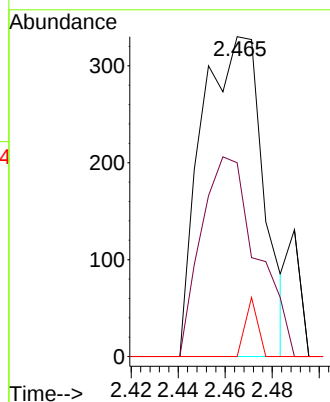
Tgt Ion:142 Resp: 602

Ion Ratio Lower Upper

142 100

127 59.0 23.6 71.0

141 0.0 7.1 21.3#



#18

Methylene Chloride

Concen: 0.679 ug/l

RT: 2.800 min Scan# 281

Delta R.T. 0.006 min

Lab File: VX023875.D

Acq: 20 Aug 2021 14:18

Tgt Ion: 84 Resp: 1540

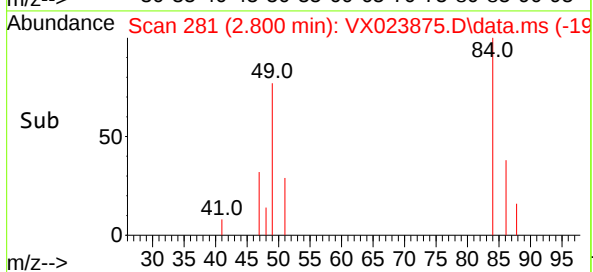
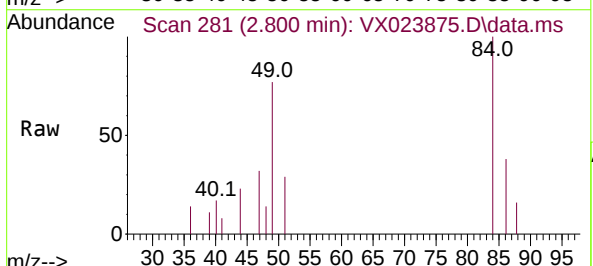
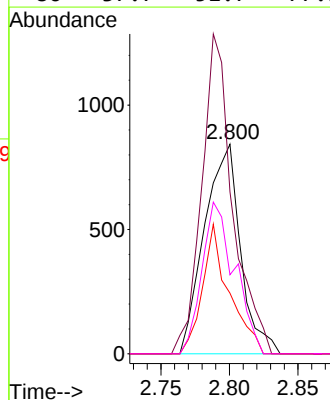
Ion Ratio Lower Upper

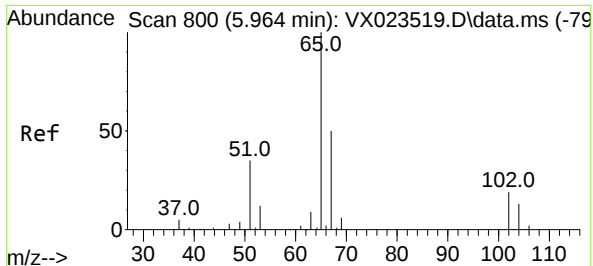
84 100

49 77.3 104.3 156.5#

51 28.9 30.3 45.5#

86 37.7 51.7 77.5#





#27

1,2-Dichloroethane-d4

Concen: 31.376 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX023875.D

Acq: 20 Aug 2021 14:18

Tgt Ion: 65 Resp: 80778

Ion Ratio Lower Upper

65 100

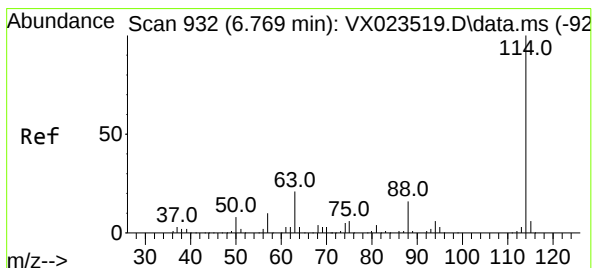
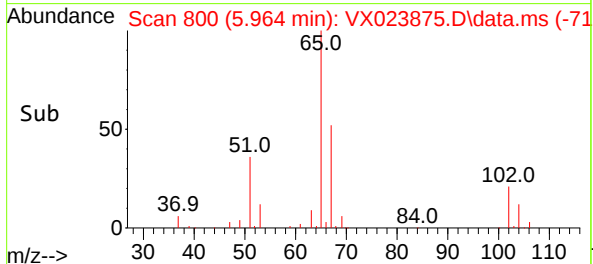
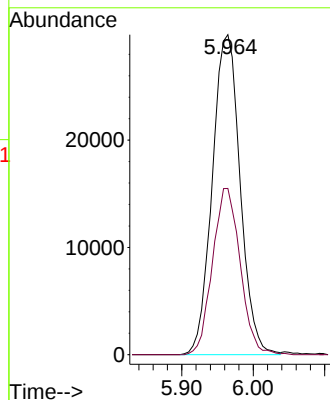
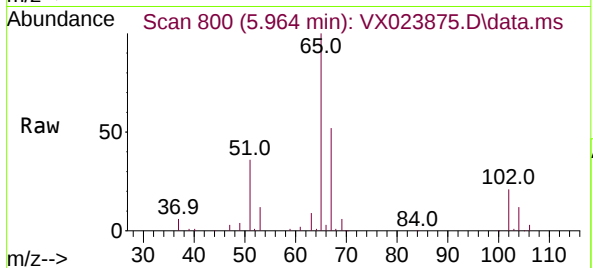
67 51.5 42.4 63.6

Instrument :

MSVOA_X

ClientSampleId :

VX0822WBL01



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.000 min

Lab File: VX023875.D

Acq: 20 Aug 2021 14:18

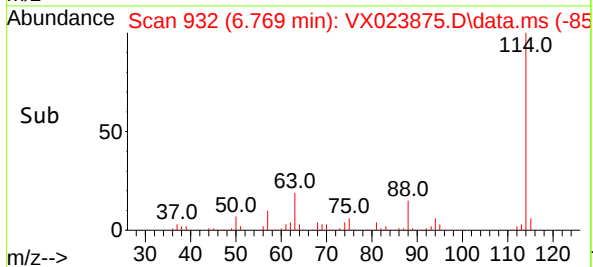
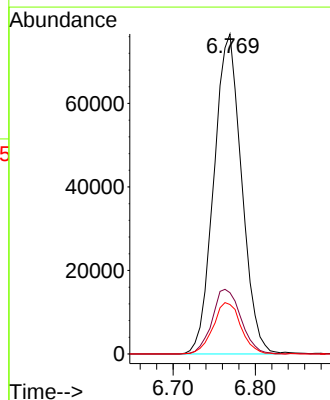
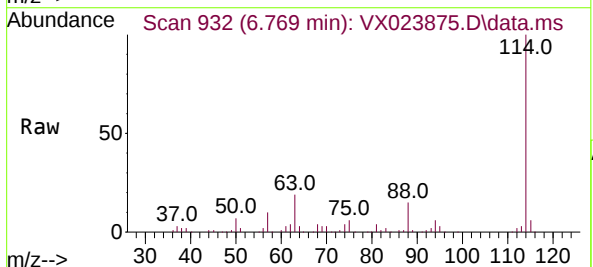
Tgt Ion: 114 Resp: 179610

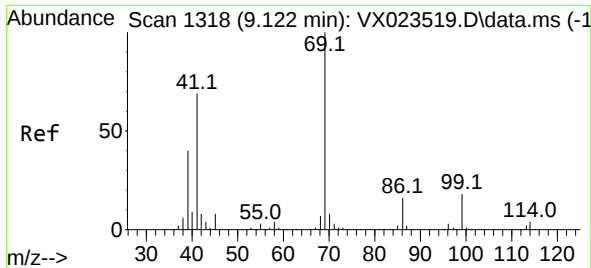
Ion Ratio Lower Upper

114 100

63 21.0 16.4 24.6

88 16.1 12.7 19.1

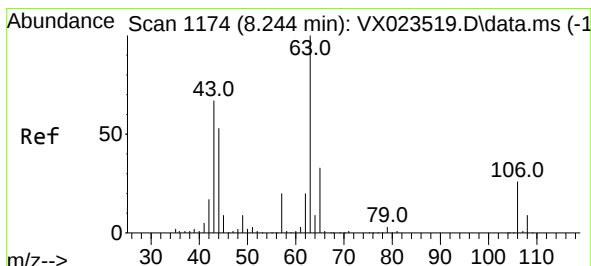
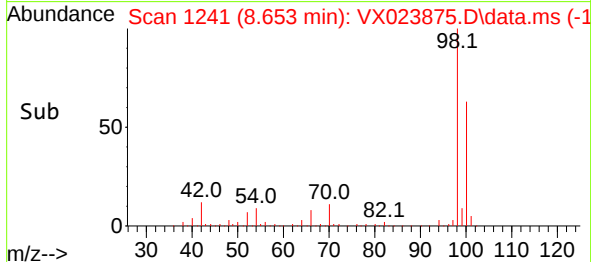
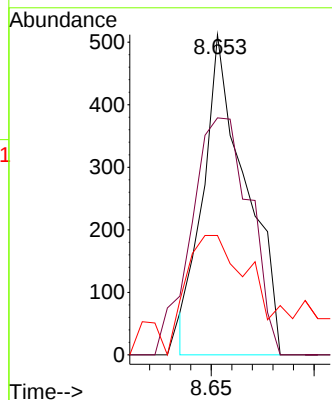
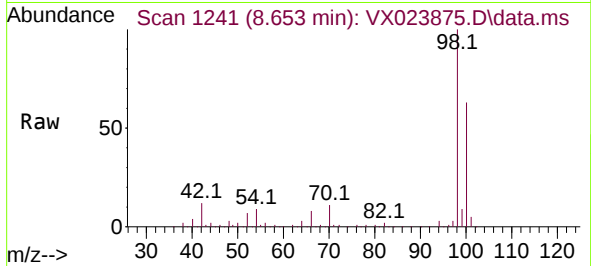




#51
Ethyl methacrylate
Concen: 0.205 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.469 min
Lab File: VX023875.D
Acq: 20 Aug 2021 14:18

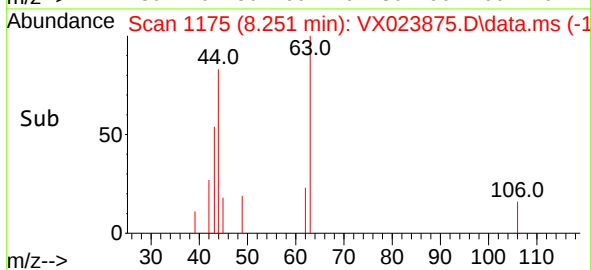
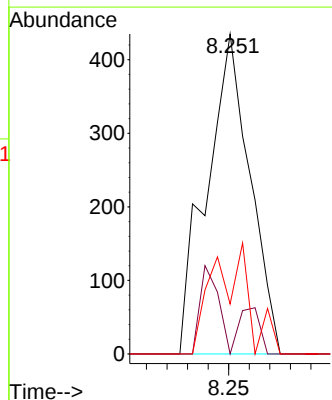
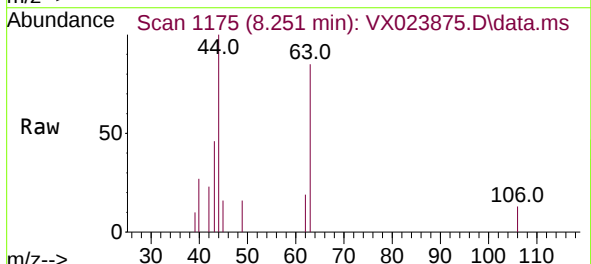
Instrument :
MSVOA_X
ClientSampleId :
VX0822WBL01

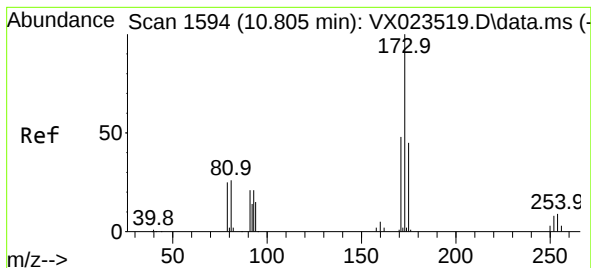
Tgt Ion:	69	Resp:	732
Ion	Ratio	Lower	Upper
69	100		
41	74.0	35.8	107.3
39	21.9	20.3	60.8



#55
2-Chloroethyl vinyl ether
Concen: 0.357 ug/l
RT: 8.251 min Scan# 1175
Delta R.T. 0.006 min
Lab File: VX023875.D
Acq: 20 Aug 2021 14:18

Tgt Ion:	63	Resp:	636
Ion	Ratio	Lower	Upper
63	100		
65	7.1	25.8	38.6#
106	8.6	21.8	32.8#

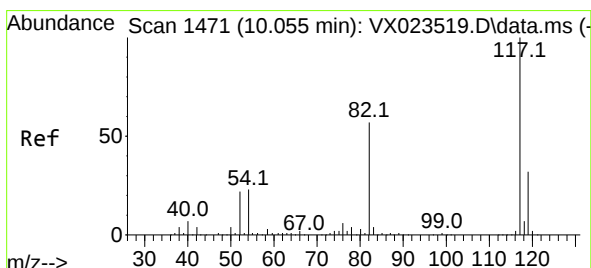
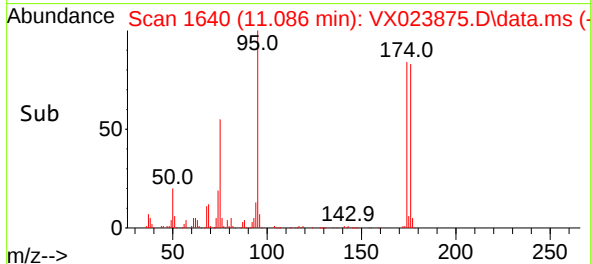
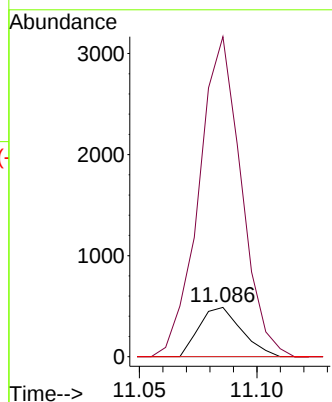
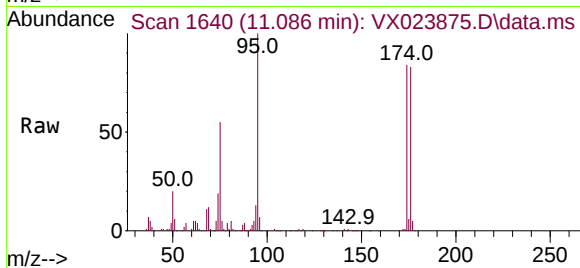




#56
Bromoform
Concen: 0.377 ug/l
RT: 11.086 min Scan# 1640
Delta R.T. 0.281 min
Lab File: VX023875.D
Acq: 20 Aug 2021 14:18

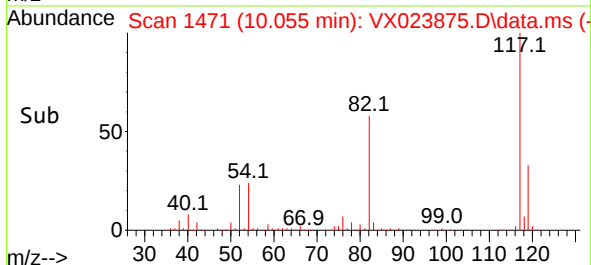
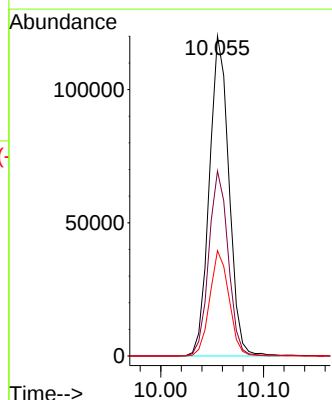
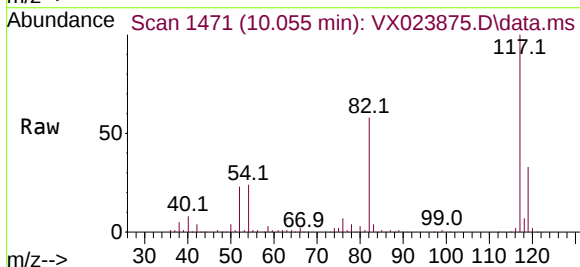
Instrument :
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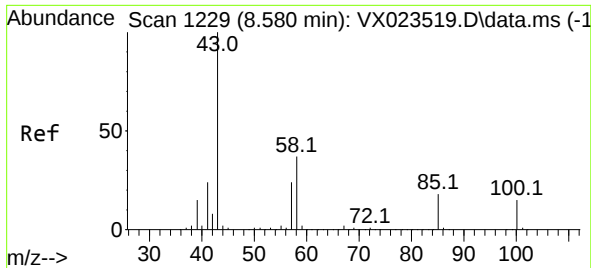
Tgt Ion:173 Resp: 615
Ion Ratio Lower Upper
173 100
175 646.5 38.4 57.6#
254 0.0 7.3 10.9#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX023875.D
Acq: 20 Aug 2021 14:18

Tgt Ion:117 Resp: 159263
Ion Ratio Lower Upper
117 100
82 57.1 45.0 67.4
119 32.2 26.2 39.2

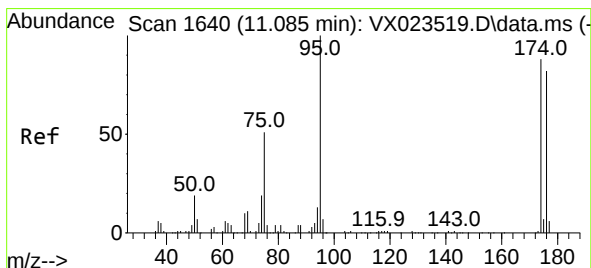
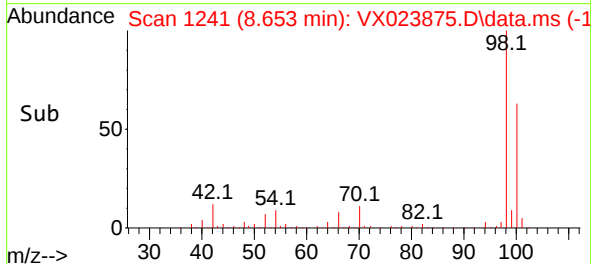
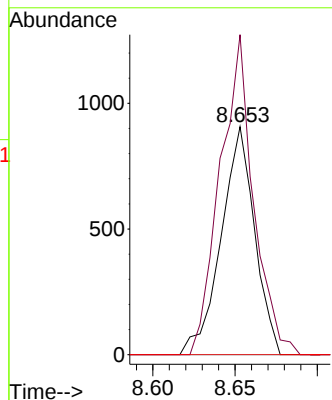
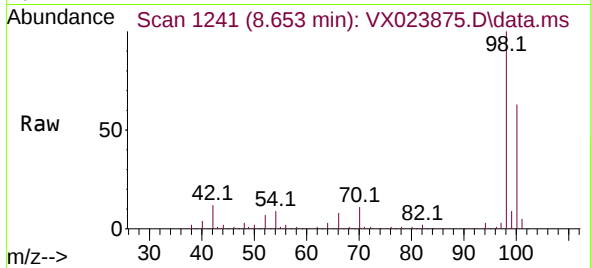




#58
4-Methyl-2-Pentanone
Concen: 0.375 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.073 min
Lab File: VX023875.D
Acq: 20 Aug 2021 14:18

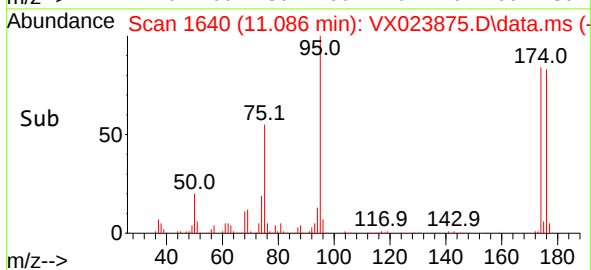
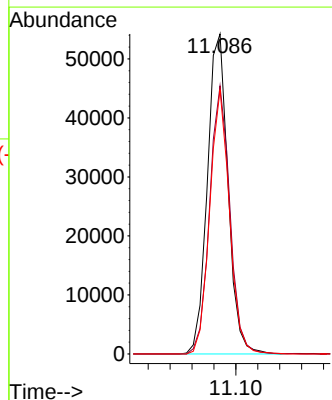
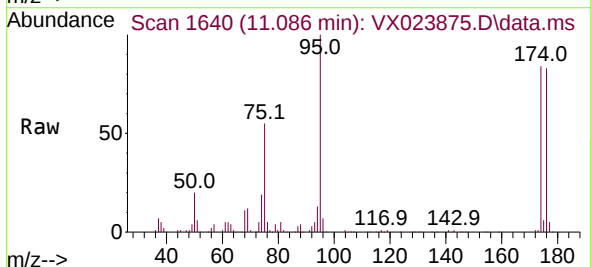
Instrument :
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ClientSampleId :
VX0822WBL01

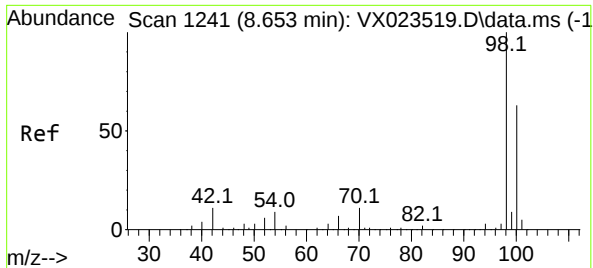
Tgt Ion: 43 Resp: 1286
Ion Ratio Lower Upper
43 100
58 140.1 30.5 45.7#
85 0.0 14.0 21.0#



#60
4-Bromofluorobenzene
Concen: 27.133 ug/l
RT: 11.086 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023875.D
Acq: 20 Aug 2021 14:18

Tgt Ion: 95 Resp: 70779
Ion Ratio Lower Upper
95 100
174 82.5 63.5 95.3
176 78.8 63.0 94.4

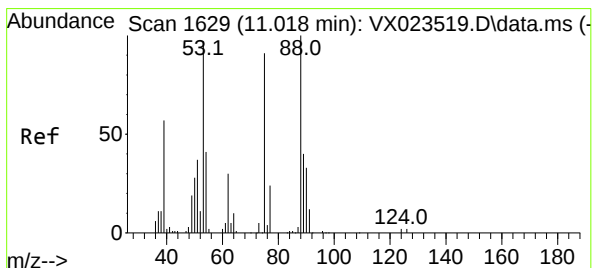
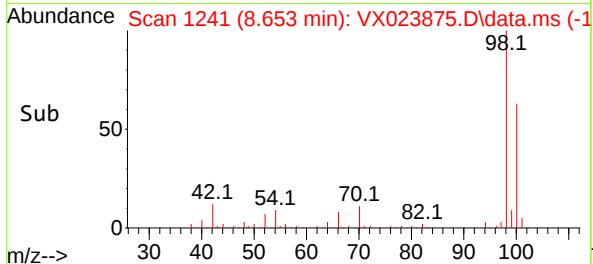
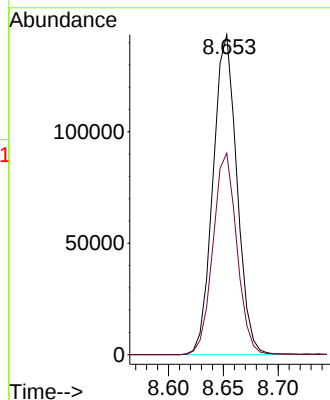
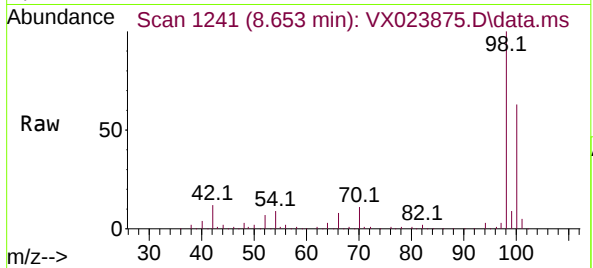




#63
Toluene-d8
Concen: 30.372 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX023875.D
Acq: 20 Aug 2021 14:18

Instrument :
MSVOA_X
ClientSampleId :
VX0822WBL01

Tgt Ion: 98 Resp: 217702
Ion Ratio Lower Upper
98 100
100 62.9 51.4 77.0



#77
t-1,4-Dichloro-2-butene
Concen: 36.291 ug/l
RT: 11.086 min Scan# 1640
Delta R.T. 0.067 min
Lab File: VX023875.D
Acq: 20 Aug 2021 14:18

Tgt Ion: 75 Resp: 38828
Ion Ratio Lower Upper
75 100
53 0.0 53.9 161.7#
89 0.4 22.9 68.7#

