

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080421\
 Data File : VX023533.D
 Acq On : 04 Aug 2021 10:37
 Operator : JC/MD
 Sample : VX0804WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0804WBL01

Quant Time: Aug 05 05:17:10 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)

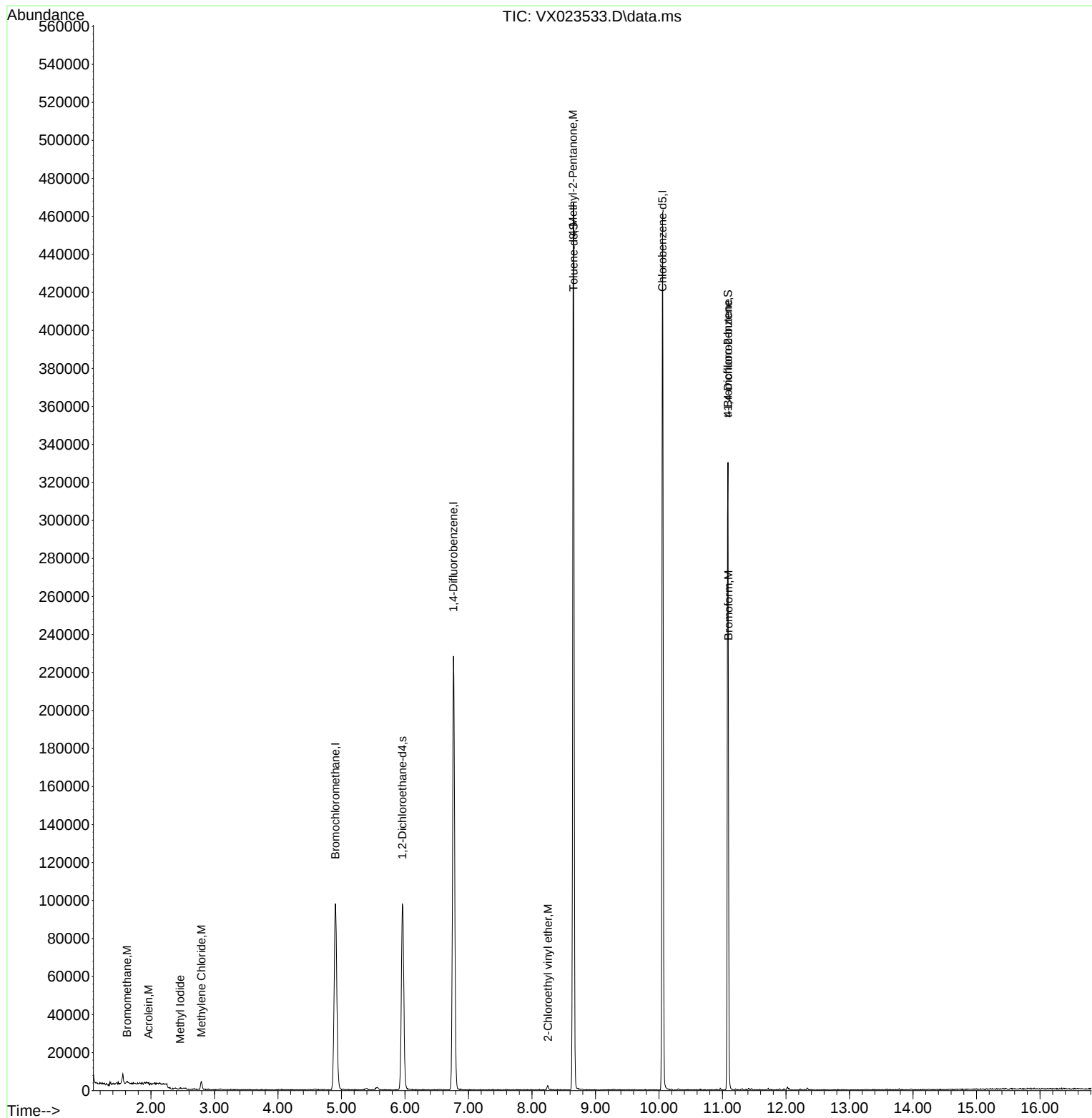
Internal Standards						
1) Bromochloromethane	4.904	128	41684	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	229785	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	199556	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	95879	29.743	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	99.133%
60) 4-Bromofluorobenzene	11.085	95	85410	26.131	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	87.100%
63) Toluene-d8	8.653	98	273264	30.426	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.433%
Target Compounds						
					Qvalue	
5) Bromomethane	1.624	94	527	0.323	ug/l	88
11) Methyl Iodide	2.459	142	835	0.246	ug/l	72
13) Acrolein	1.959	56	150	0.378	ug/l	89
18) Methylene Chloride	2.794	84	1848	0.651	ug/l	91
55) 2-Chloroethyl vinyl ether	8.251	63	944	0.414	ug/l	97
56) Bromoform	11.092	173	650	0.312	ug/l #	1
58) 4-Methyl-2-Pentanone	8.647	43	1239	0.288	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.085	75	45258	33.760	ug/l #	7

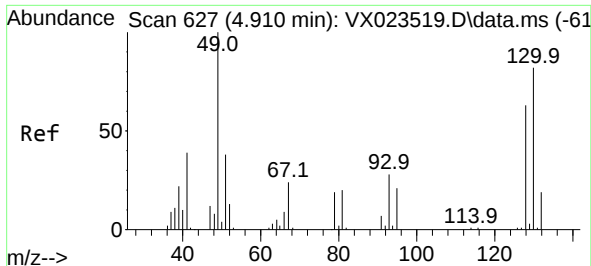
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

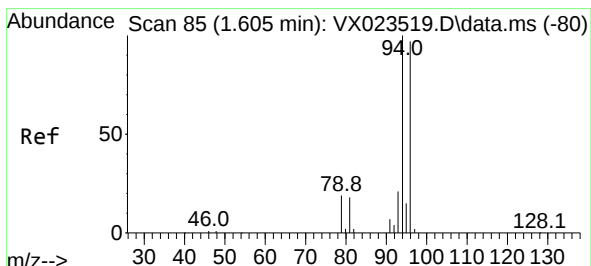
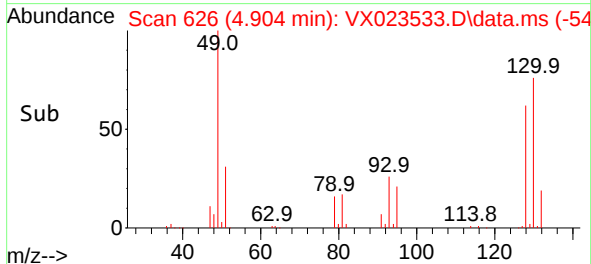
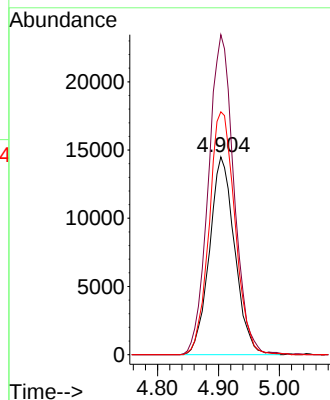
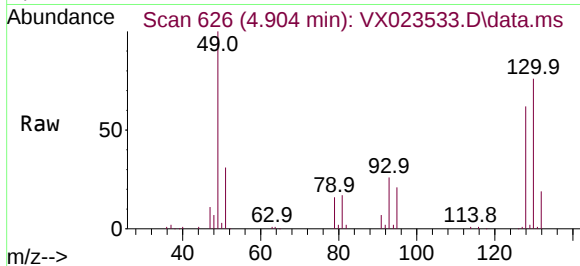




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.904 min Scan# 626
Delta R.T. -0.006 min
Lab File: VX023533.D
Acq: 04 Aug 2021 10:37

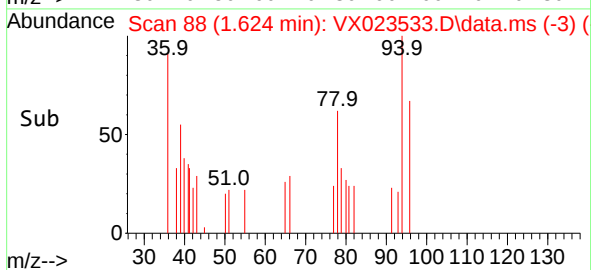
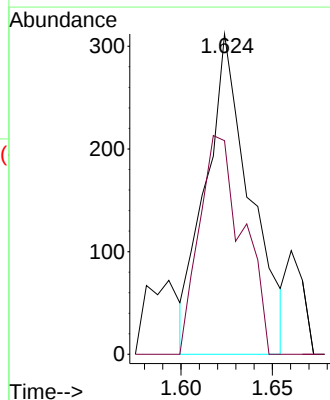
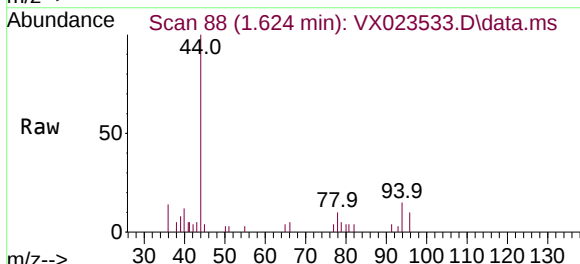
Instrument :
MSVOA_X
ClientSampleId :
VX0804WBL01

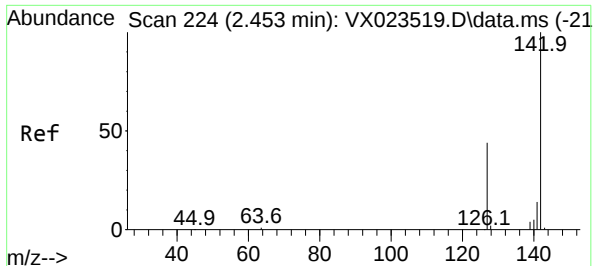
Tgt Ion:128 Resp: 41684
Ion Ratio Lower Upper
128 100
49 163.3 0.0 402.5
130 126.2 0.0 326.5



#5
Bromomethane
Concen: 0.323 ug/l
RT: 1.624 min Scan# 88
Delta R.T. 0.018 min
Lab File: VX023533.D
Acq: 04 Aug 2021 10:37

Tgt Ion: 94 Resp: 527
Ion Ratio Lower Upper
94 100
96 79.4 72.8 109.2





#11

Methyl Iodide

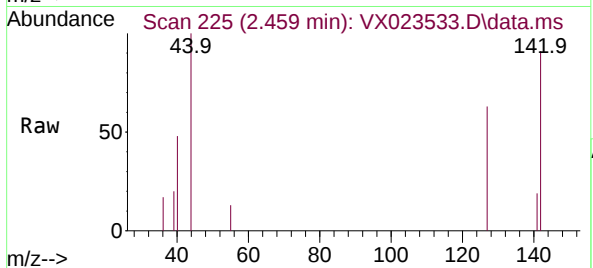
Concen: 0.246 ug/l

RT: 2.459 min Scan# 225

Delta R.T. 0.006 min

Lab File: VX023533.D

Acq: 04 Aug 2021 10:37



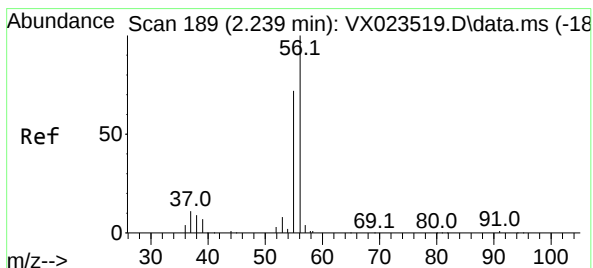
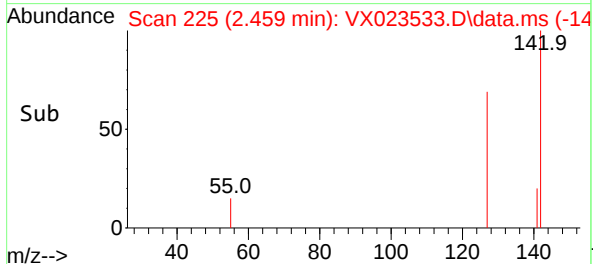
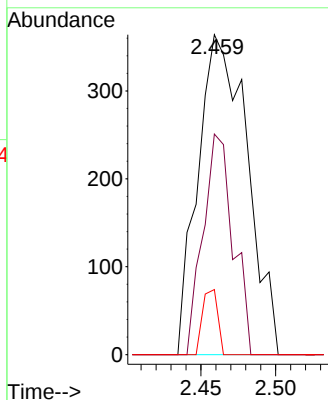
Tgt Ion:142 Resp: 835

Ion Ratio Lower Upper

142 100

127 69.0 23.6 71.0

141 20.3 7.1 21.3



#13

Acrolein

Concen: 0.378 ug/l

RT: 1.959 min Scan# 143

Delta R.T. -0.280 min

Lab File: VX023533.D

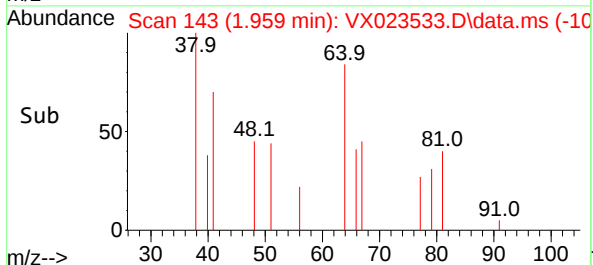
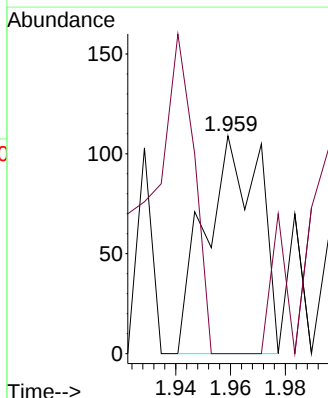
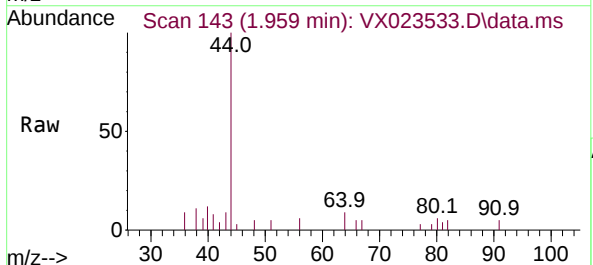
Acq: 04 Aug 2021 10:37

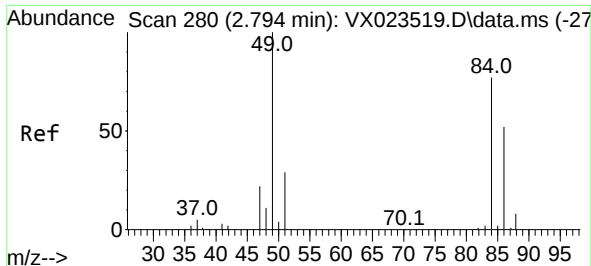
Tgt Ion: 56 Resp: 150

Ion Ratio Lower Upper

56 100

55 84.0 59.5 89.3

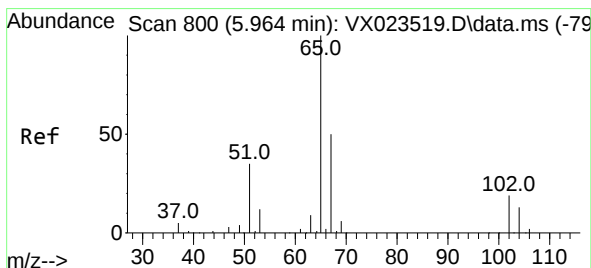
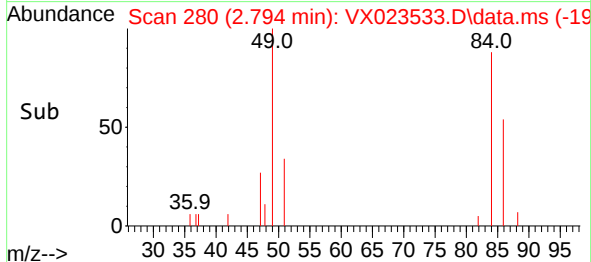
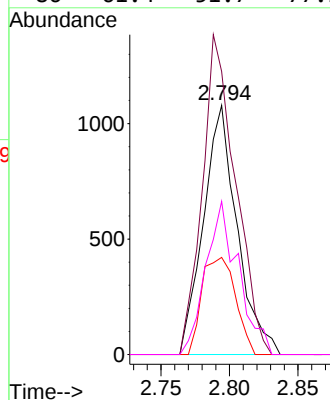
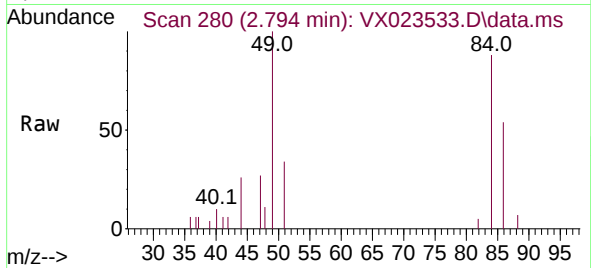




#18
Methylene Chloride
Concen: 0.651 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023533.D
Acq: 04 Aug 2021 10:37

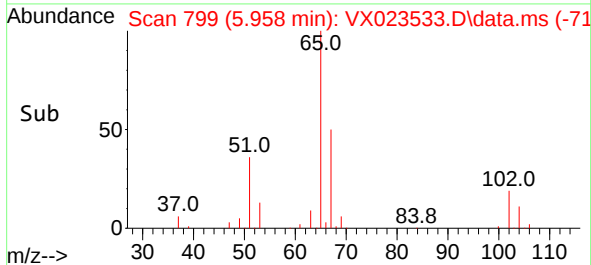
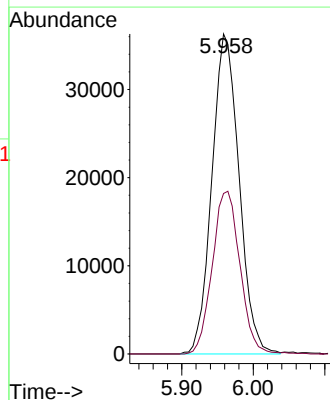
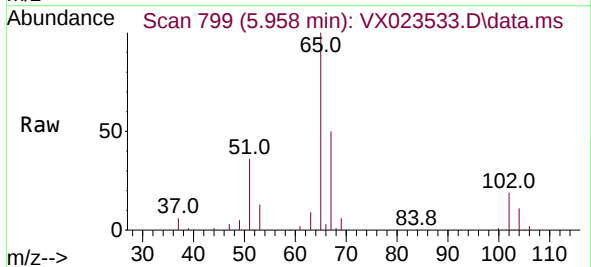
Instrument :
MSVOA_X
ClientSampleId :
VX0804WBL01

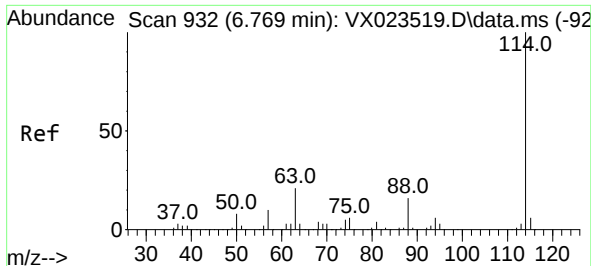
Tgt Ion:	84	Resp:	1848
Ion	Ratio	Lower	Upper
84	100		
49	113.6	104.3	156.5
51	39.0	30.3	45.5
86	61.4	51.7	77.5



#27
1,2-Dichloroethane-d4
Concen: 29.743 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.006 min
Lab File: VX023533.D
Acq: 04 Aug 2021 10:37

Tgt Ion:	65	Resp:	95879
Ion	Ratio	Lower	Upper
65	100		
67	51.6	42.4	63.6





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.006 min

Lab File: VX023533.D

Acq: 04 Aug 2021 10:37

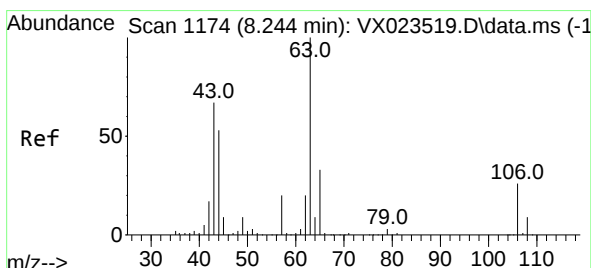
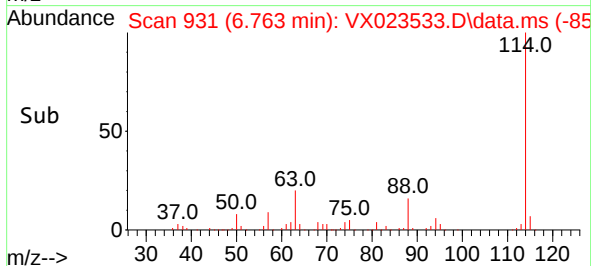
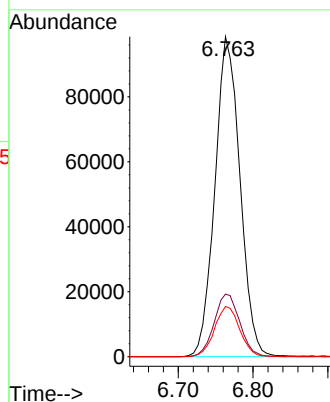
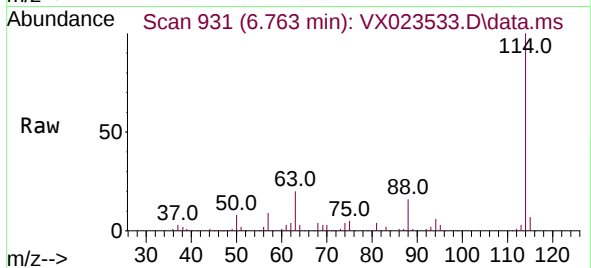
Tgt Ion:114 Resp: 229785

Ion Ratio Lower Upper

114 100

63 19.9 16.4 24.6

88 15.8 12.7 19.1



#55

2-Chloroethyl vinyl ether

Concen: 0.414 ug/l

RT: 8.251 min Scan# 1175

Delta R.T. 0.006 min

Lab File: VX023533.D

Acq: 04 Aug 2021 10:37

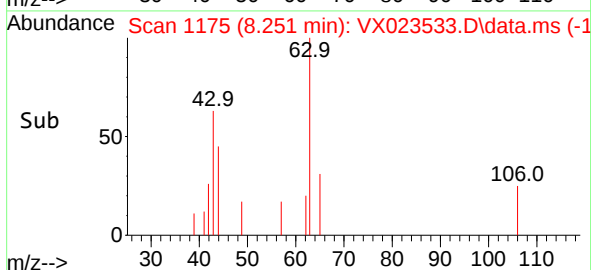
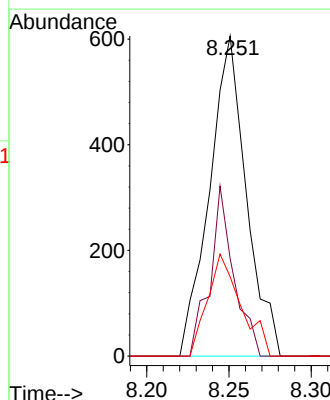
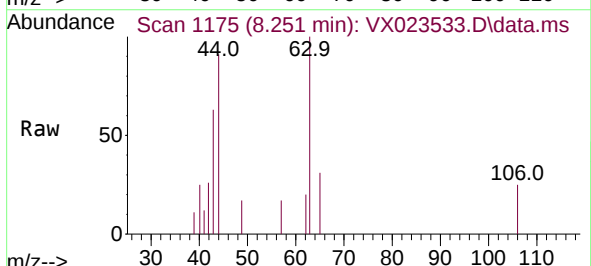
Tgt Ion: 63 Resp: 944

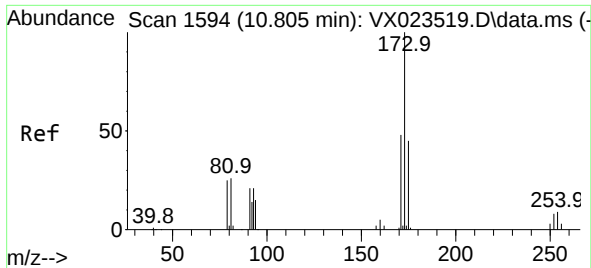
Ion Ratio Lower Upper

63 100

65 34.3 25.8 38.6

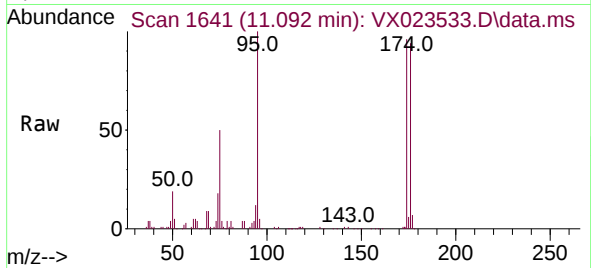
106 28.8 21.8 32.8



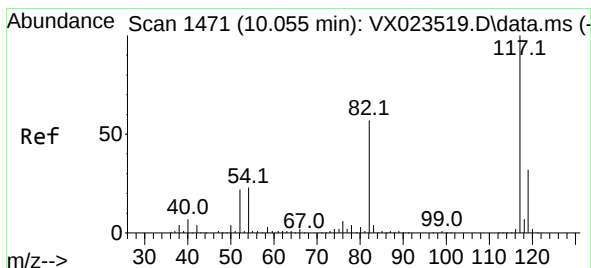
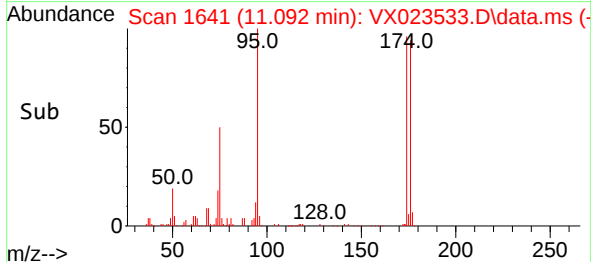
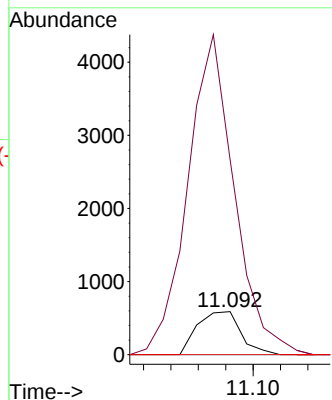


#56
Bromoform
Concen: 0.312 ug/l
RT: 11.092 min Scan# 1641
Delta R.T. 0.287 min
Lab File: VX023533.D
Acq: 04 Aug 2021 10:37

Instrument :
MSVOA_X
ClientSampleId :
VX0804WBL01

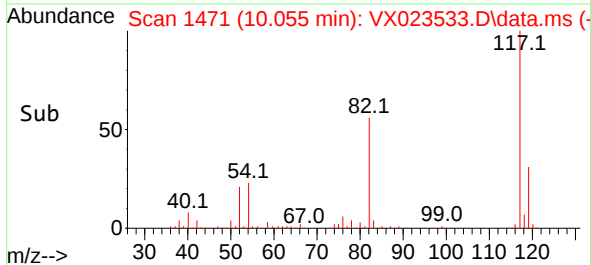
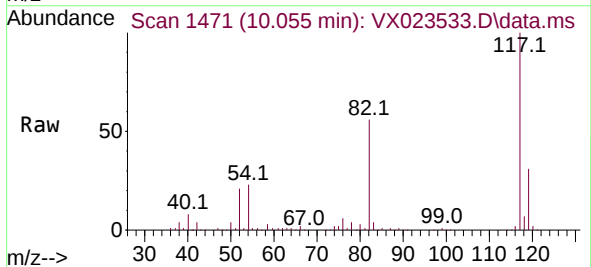
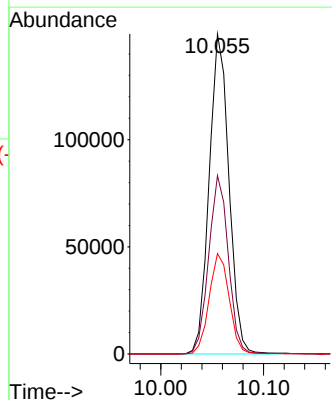


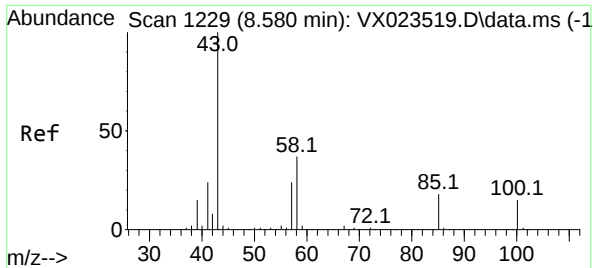
Tgt Ion:173 Resp: 650
Ion Ratio Lower Upper
173 100
175 796.5 38.4 57.6#
254 0.0 7.3 10.9#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX023533.D
Acq: 04 Aug 2021 10:37

Tgt Ion:117 Resp: 199556
Ion Ratio Lower Upper
117 100
82 55.5 45.0 67.4
119 31.7 26.2 39.2

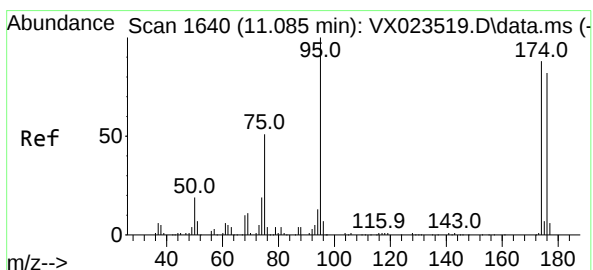
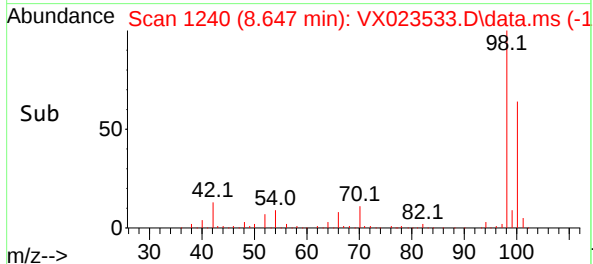
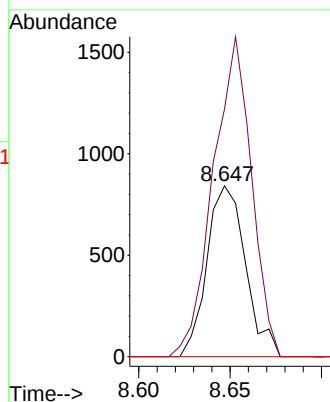
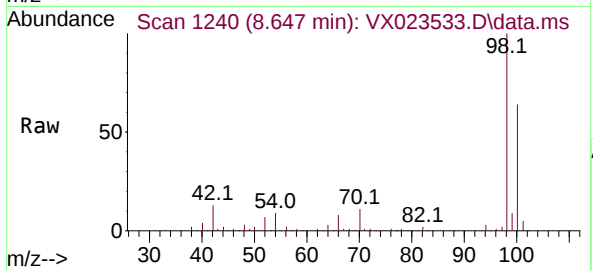




#58
4-Methyl-2-Pentanone
Concen: 0.288 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.067 min
Lab File: VX023533.D
Acq: 04 Aug 2021 10:37

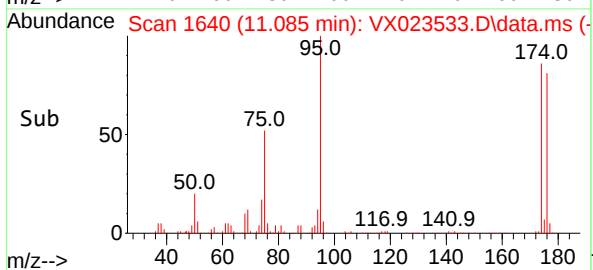
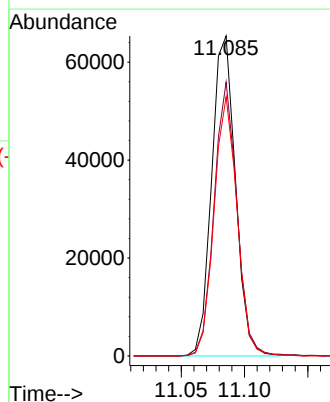
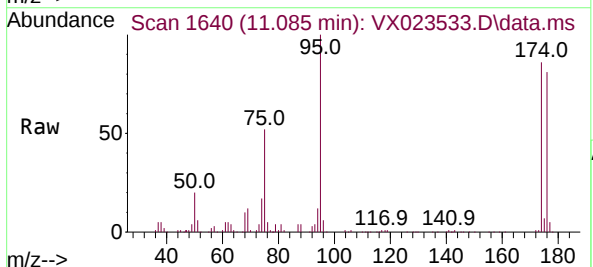
Instrument :
MSVOA_X
ClientSampleId :
VX0804WBL01

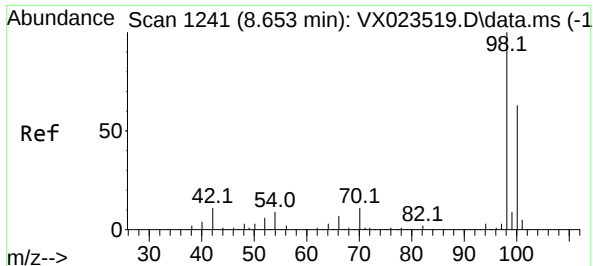
Tgt Ion:	43	Resp:	1239
Ion	Ratio	Lower	Upper
43	100		
58	185.5	30.5	45.7#
85	0.0	14.0	21.0#



#60
4-Bromofluorobenzene
Concen: 26.131 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023533.D
Acq: 04 Aug 2021 10:37

Tgt Ion:	95	Resp:	85410
Ion	Ratio	Lower	Upper
95	100		
174	82.4	63.5	95.3
176	78.6	63.0	94.4

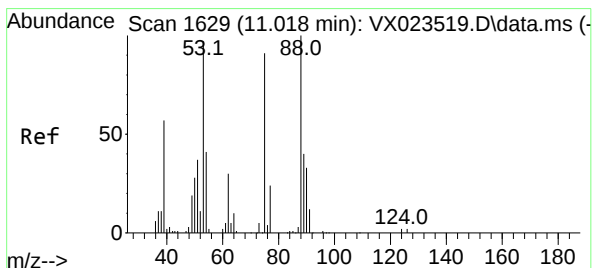
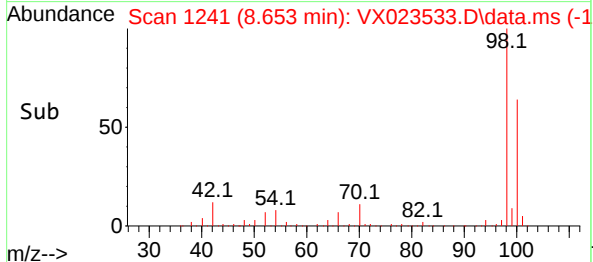
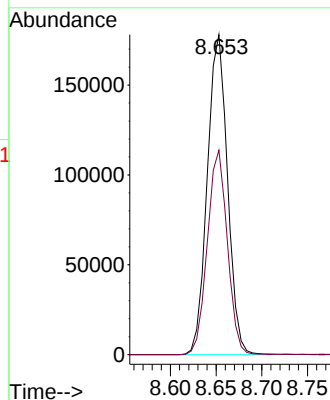
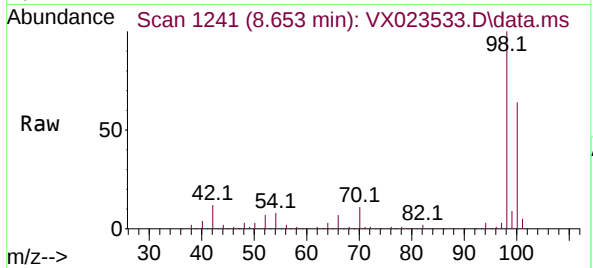




#63
Toluene-d8
Concen: 30.426 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX023533.D
Acq: 04 Aug 2021 10:37

Instrument :
MSVOA_X
ClientSampleId :
VX0804WBL01

Tgt Ion: 98 Resp: 273264
Ion Ratio Lower Upper
98 100
100 63.2 51.4 77.0



#77
t-1,4-Dichloro-2-butene
Concen: 33.760 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.067 min
Lab File: VX023533.D
Acq: 04 Aug 2021 10:37

Tgt Ion: 75 Resp: 45258
Ion Ratio Lower Upper
75 100
53 0.0 53.9 161.7#
89 0.0 22.9 68.7#

