

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080421\
 Data File : VX023538.D
 Acq On : 04 Aug 2021 13:03
 Operator : JC/MD
 Sample : M3283-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 05 05:18:24 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)

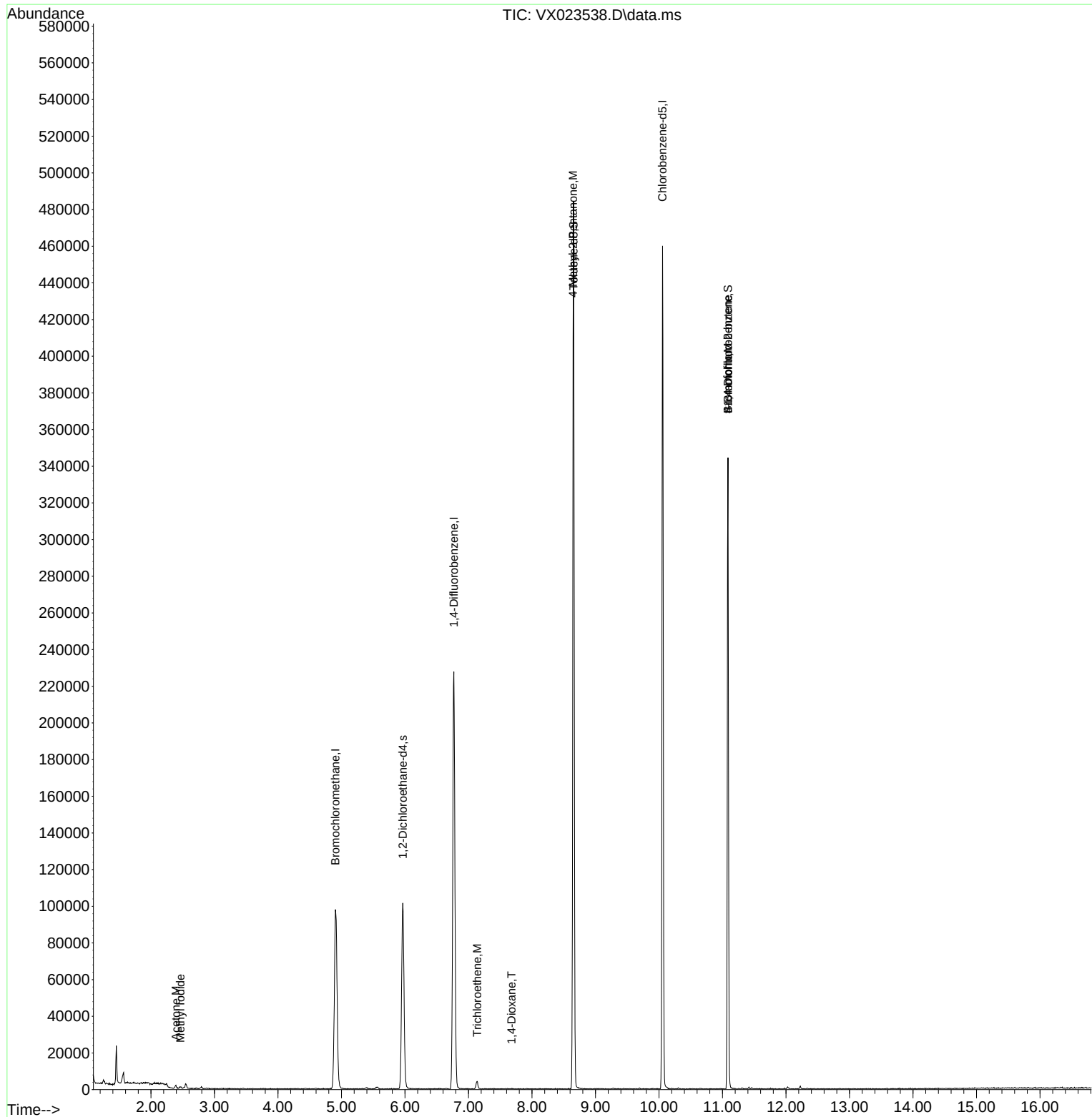
Internal Standards						
1) Bromochloromethane	4.904	128	41429	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.769	114	231701	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	203828	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.964	65	97059	30.294	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	100.967%
60) 4-Bromofluorobenzene	11.085	95	86384	25.875	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	86.233%
63) Toluene-d8	8.653	98	276043	30.092	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.300%
Target Compounds						
					Qvalue	
11) Methyl Iodide	2.465	142	982	0.291	ug/l	81
15) Acetone	2.392	58	433	0.902	ug/l	74
37) Trichloroethene	7.135	130	1738	0.588	ug/l	100
45) 1,4-Dioxane	7.678	88	191	2.577	ug/l #	67
56) Bromoform	11.085	173	759	0.361	ug/l #	1
58) 4-Methyl-2-Pentanone	8.647	43	1451	0.330	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.085	75	46282	33.800	ug/l #	7

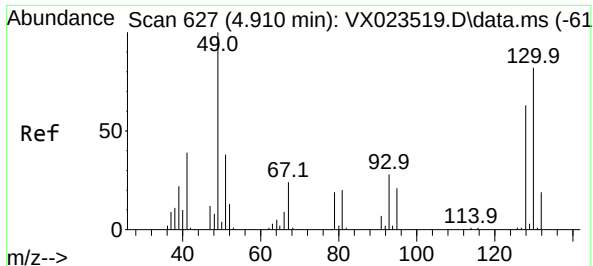
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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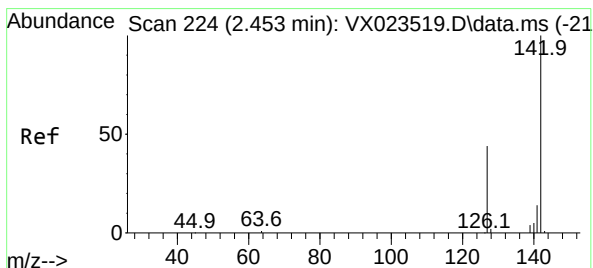
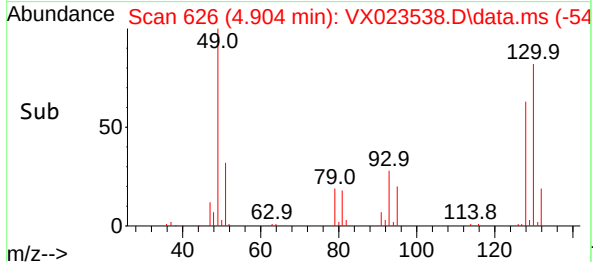
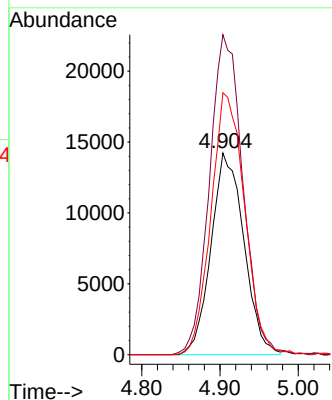
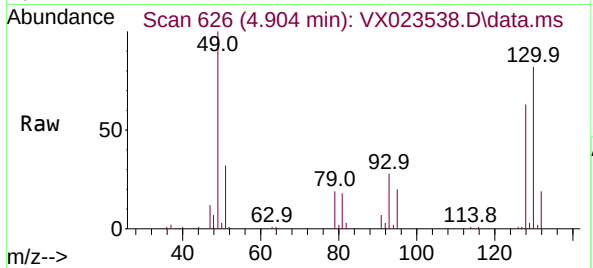




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.904 min Scan# 626
Delta R.T. -0.006 min
Lab File: VX023538.D
Acq: 04 Aug 2021 13:03

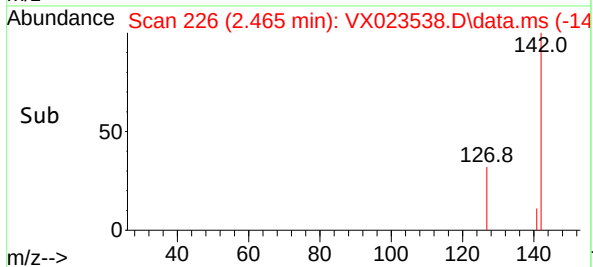
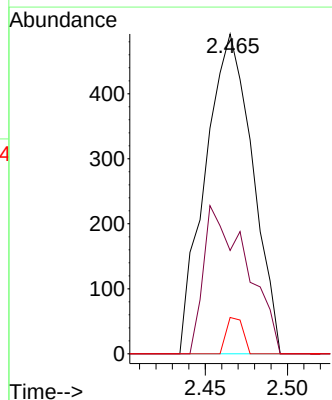
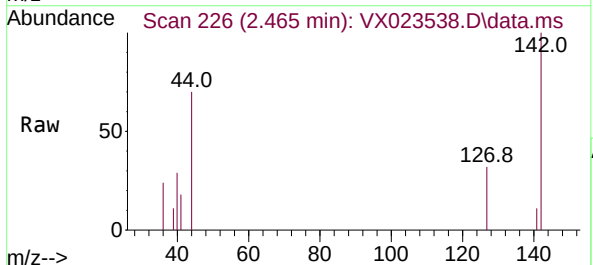
Instrument :
MSVOA_X
ClientSampled :

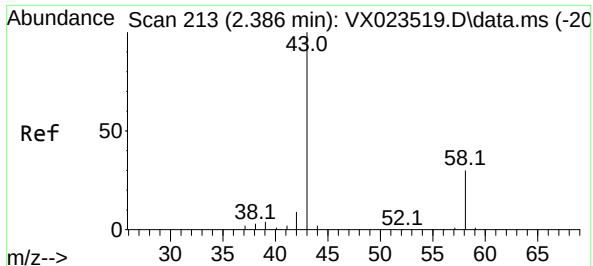
Tgt Ion:128 Resp: 41429
Ion Ratio Lower Upper
128 100
49 160.8 0.0 402.5
130 132.6 0.0 326.5



#11
Methyl Iodide
Concen: 0.291 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX023538.D
Acq: 04 Aug 2021 13:03

Tgt Ion:142 Resp: 982
Ion Ratio Lower Upper
142 100
127 32.3 23.6 71.0
141 11.4 7.1 21.3

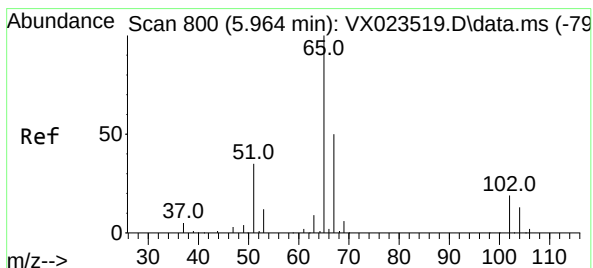
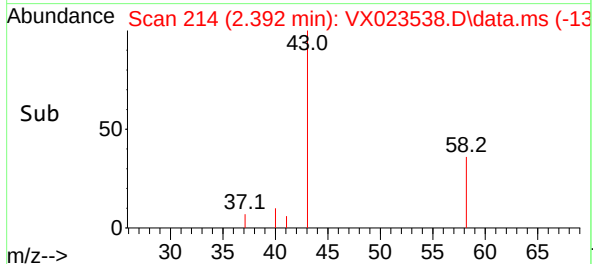
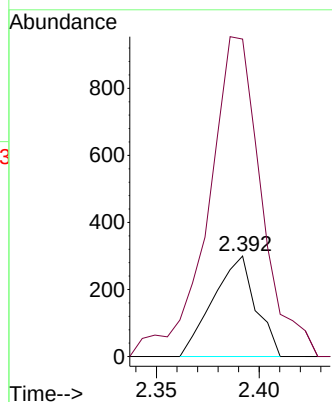
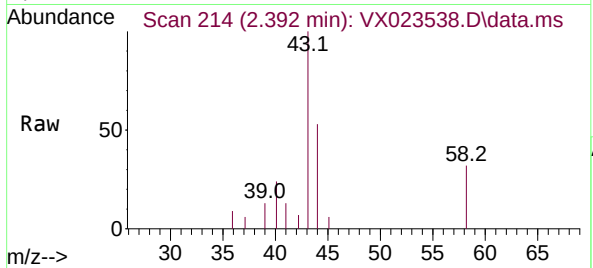




#15
Acetone
Concen: 0.902 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX023538.D
Acq: 04 Aug 2021 13:03

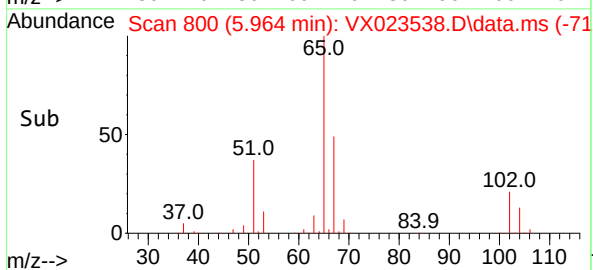
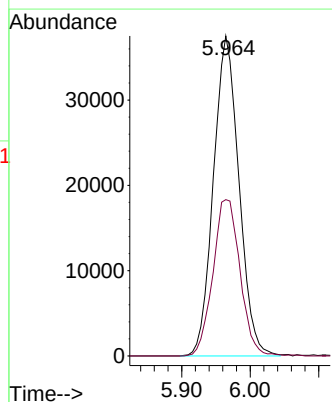
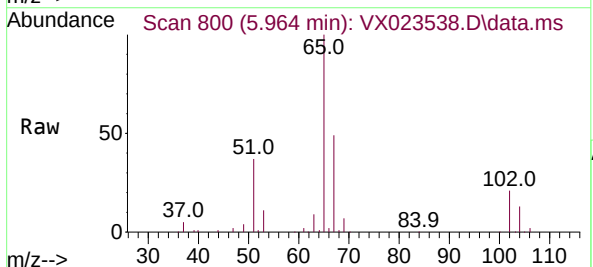
Instrument :
MSVOA_X
ClientSampled :

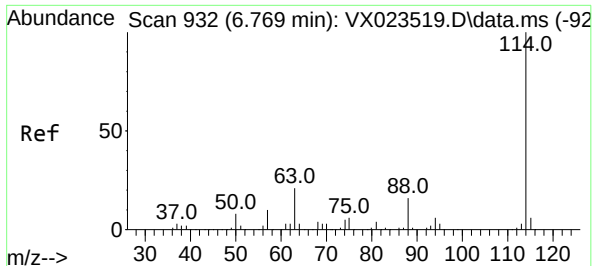
Tgt Ion: 58 Resp: 433
Ion Ratio Lower Upper
58 100
43 279.3 266.6 400.0



#27
1,2-Dichloroethane-d4
Concen: 30.294 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023538.D
Acq: 04 Aug 2021 13:03

Tgt Ion: 65 Resp: 97059
Ion Ratio Lower Upper
65 100
67 51.8 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: VX023538.D

Acq: 04 Aug 2021 13:03

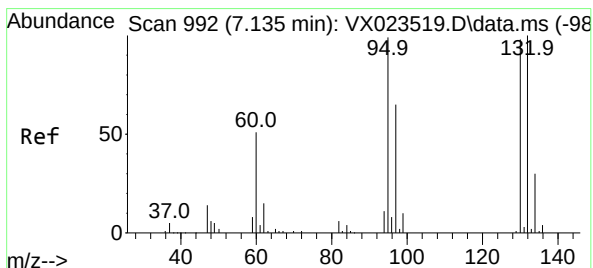
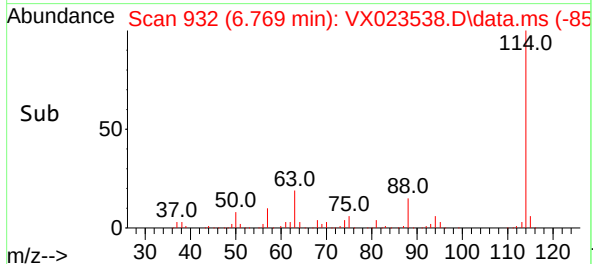
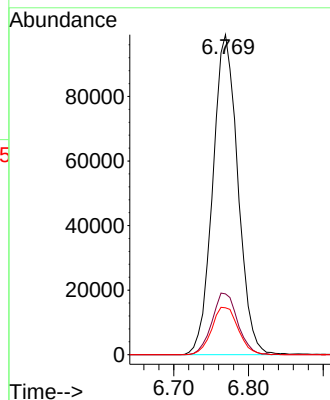
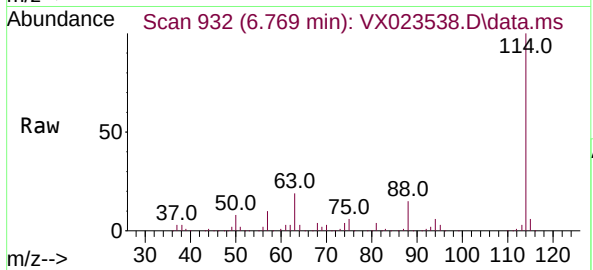
Tgt Ion:114 Resp: 231701

Ion Ratio Lower Upper

114 100

63 19.7 16.4 24.6

88 15.6 12.7 19.1



#37

Trichloroethene

Concen: 0.588 ug/l

RT: 7.135 min Scan# 992

Delta R.T. 0.000 min

Lab File: VX023538.D

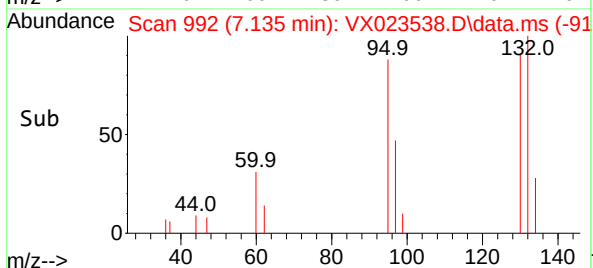
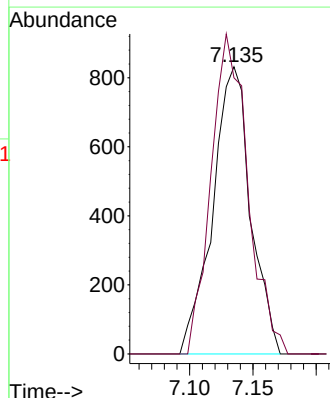
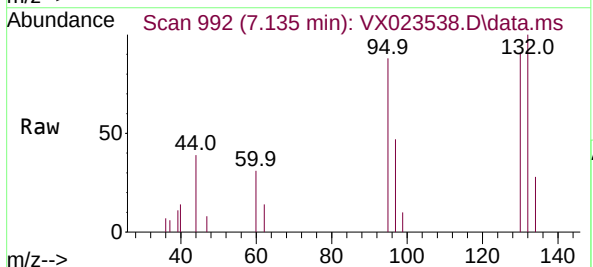
Acq: 04 Aug 2021 13:03

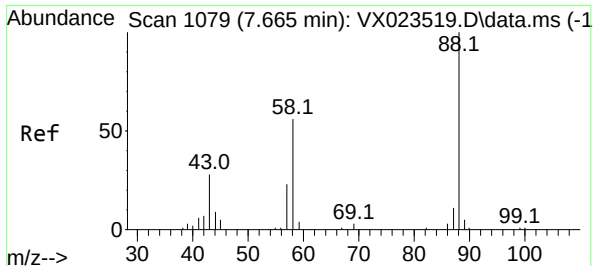
Tgt Ion:130 Resp: 1738

Ion Ratio Lower Upper

130 100

95 96.2 77.0 115.4

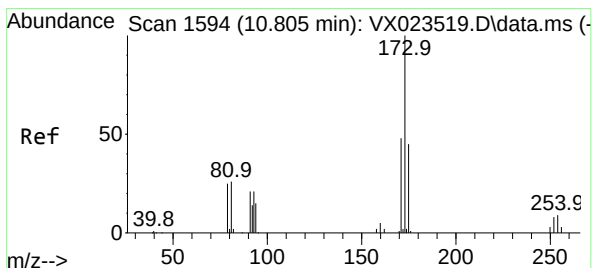
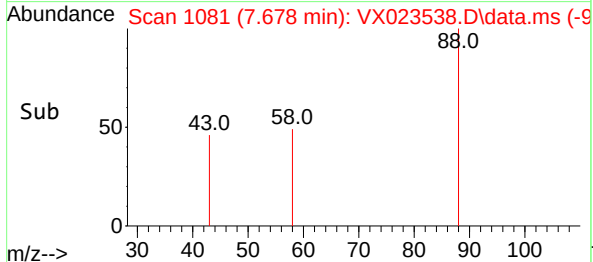
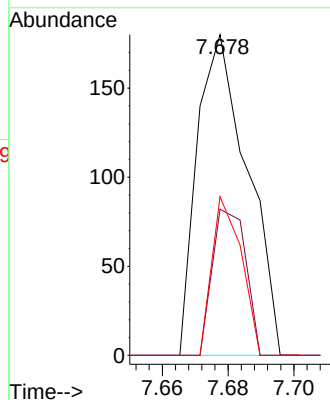
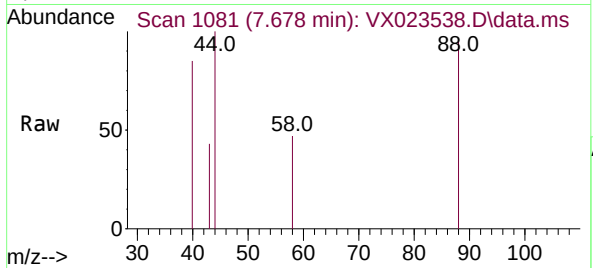




#45
1,4-Dioxane
Concen: 2.577 ug/l
RT: 7.678 min Scan# 1081
Delta R.T. 0.012 min
Lab File: VX023538.D
Acq: 04 Aug 2021 13:03

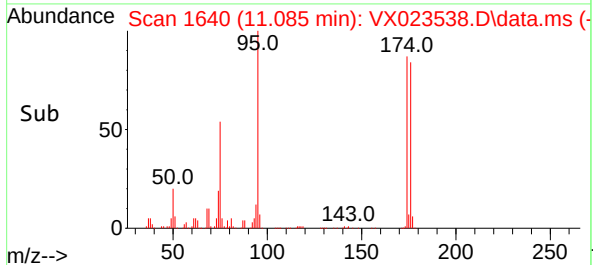
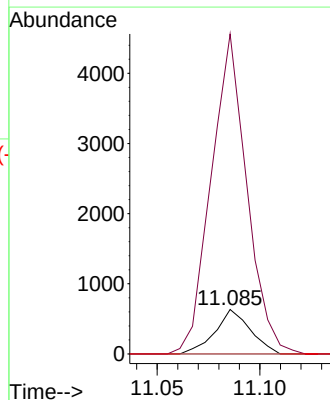
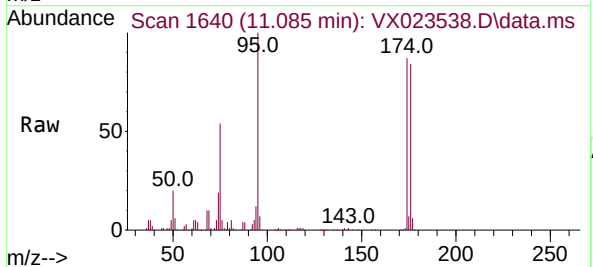
Instrument :
MSVOA_X
ClientSampled :

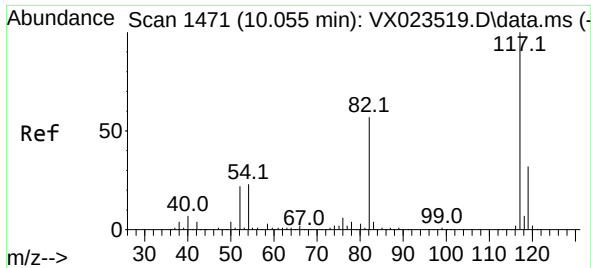
Tgt Ion:	88	Resp:	191
Ion	Ratio	Lower	Upper
88	100		
43	30.4	25.3	37.9
58	28.8	53.1	79.7#



#56
Bromoform
Concen: 0.361 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.281 min
Lab File: VX023538.D
Acq: 04 Aug 2021 13:03

Tgt Ion:	173	Resp:	759
Ion	Ratio	Lower	Upper
173	100		
175	727.7	38.4	57.6#
254	0.0	7.3	10.9#

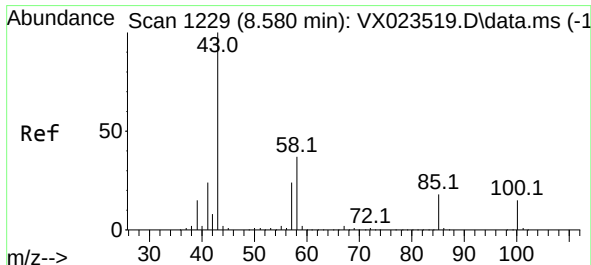
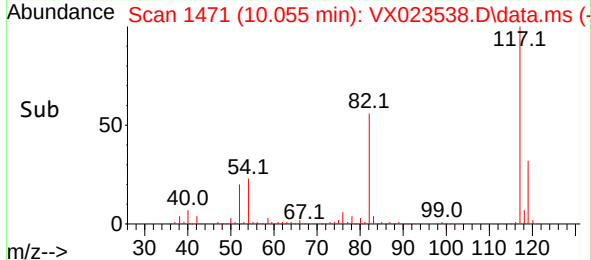
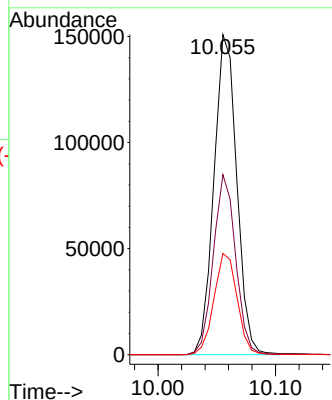
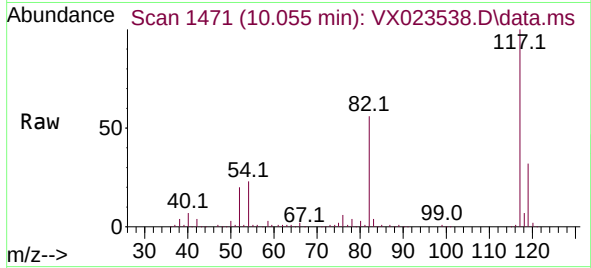




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX023538.D
Acq: 04 Aug 2021 13:03

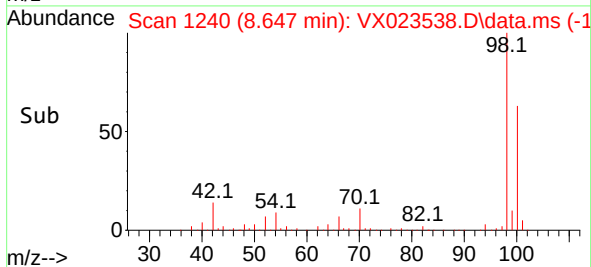
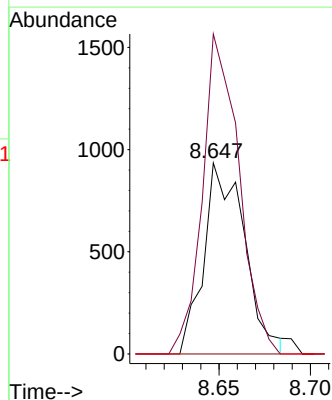
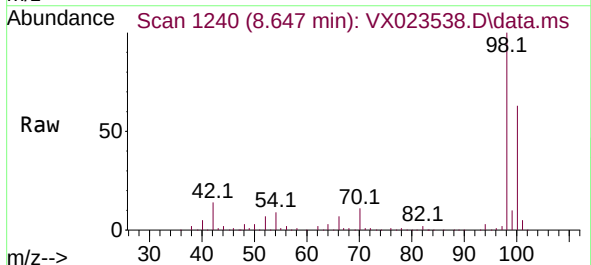
Instrument :
MSVOA_X
ClientSampled :

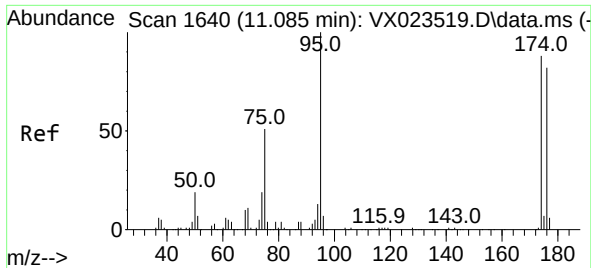
Tgt Ion:	117	Resp:	203828
Ion	Ratio	Lower	Upper
117	100		
82	55.1	45.0	67.4
119	32.2	26.2	39.2



#58
4-Methyl-2-Pentanone
Concen: 0.330 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.067 min
Lab File: VX023538.D
Acq: 04 Aug 2021 13:03

Tgt Ion:	43	Resp:	1451
Ion	Ratio	Lower	Upper
43	100		
58	149.6	30.5	45.7#
85	0.0	14.0	21.0#

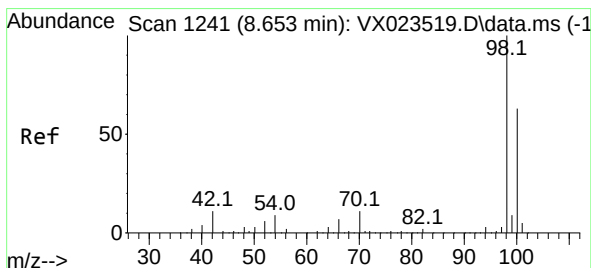
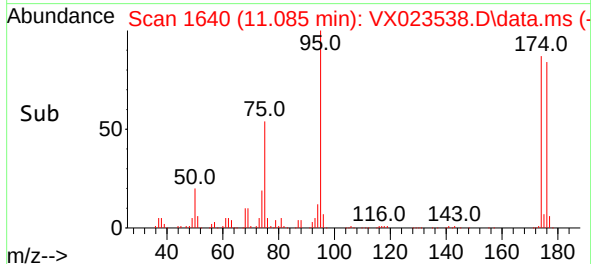
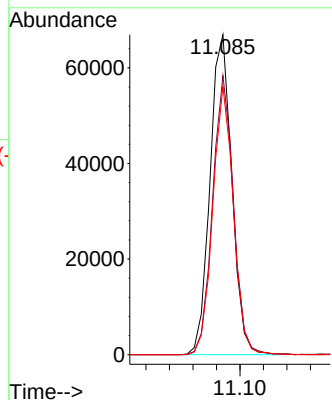
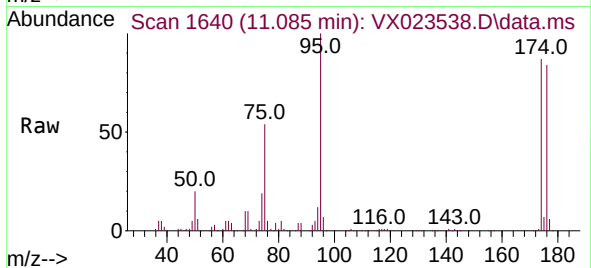




#60
4-Bromofluorobenzene
Concen: 25.875 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023538.D
Acq: 04 Aug 2021 13:03

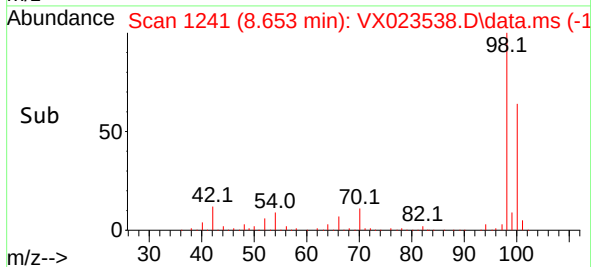
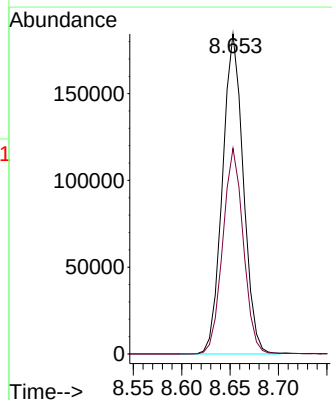
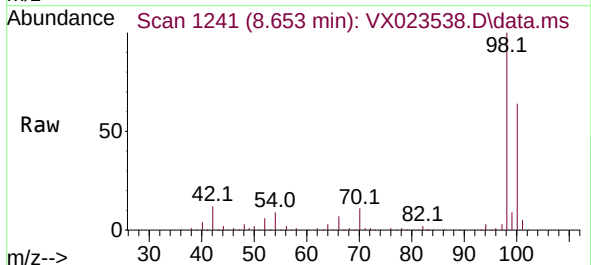
Instrument :
MSVOA_X
ClientSampled :

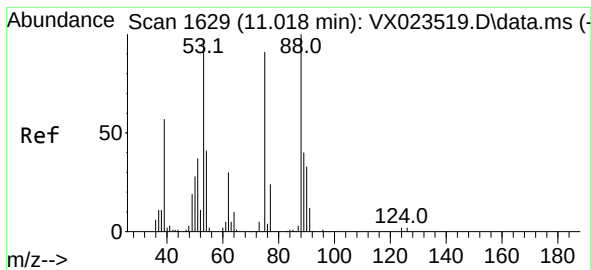
Tgt Ion: 95 Resp: 86384
Ion Ratio Lower Upper
95 100
174 83.4 63.5 95.3
176 79.3 63.0 94.4



#63
Toluene-d8
Concen: 30.092 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX023538.D
Acq: 04 Aug 2021 13:03

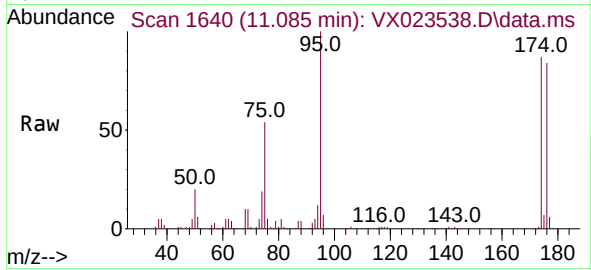
Tgt Ion: 98 Resp: 276043
Ion Ratio Lower Upper
98 100
100 63.3 51.4 77.0





#77
t-1,4-Dichloro-2-butene
Concen: 33.800 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.067 min
Lab File: VX023538.D
Acq: 04 Aug 2021 13:03

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:	75	Resp:	46282
Ion	Ratio	Lower	Upper
75	100		
53	0.0	53.9	161.7#
89	0.0	22.9	68.7#

