

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121222\
 Data File : VX033374.D
 Acq On : 12 Dec 2022 15:05
 Operator : JC/MD
 Sample : N6005-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP

Quant Time: Dec 13 07:31:27 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X121222W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Dec 12 12:37:35 2022
 Response via : Initial Calibration

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

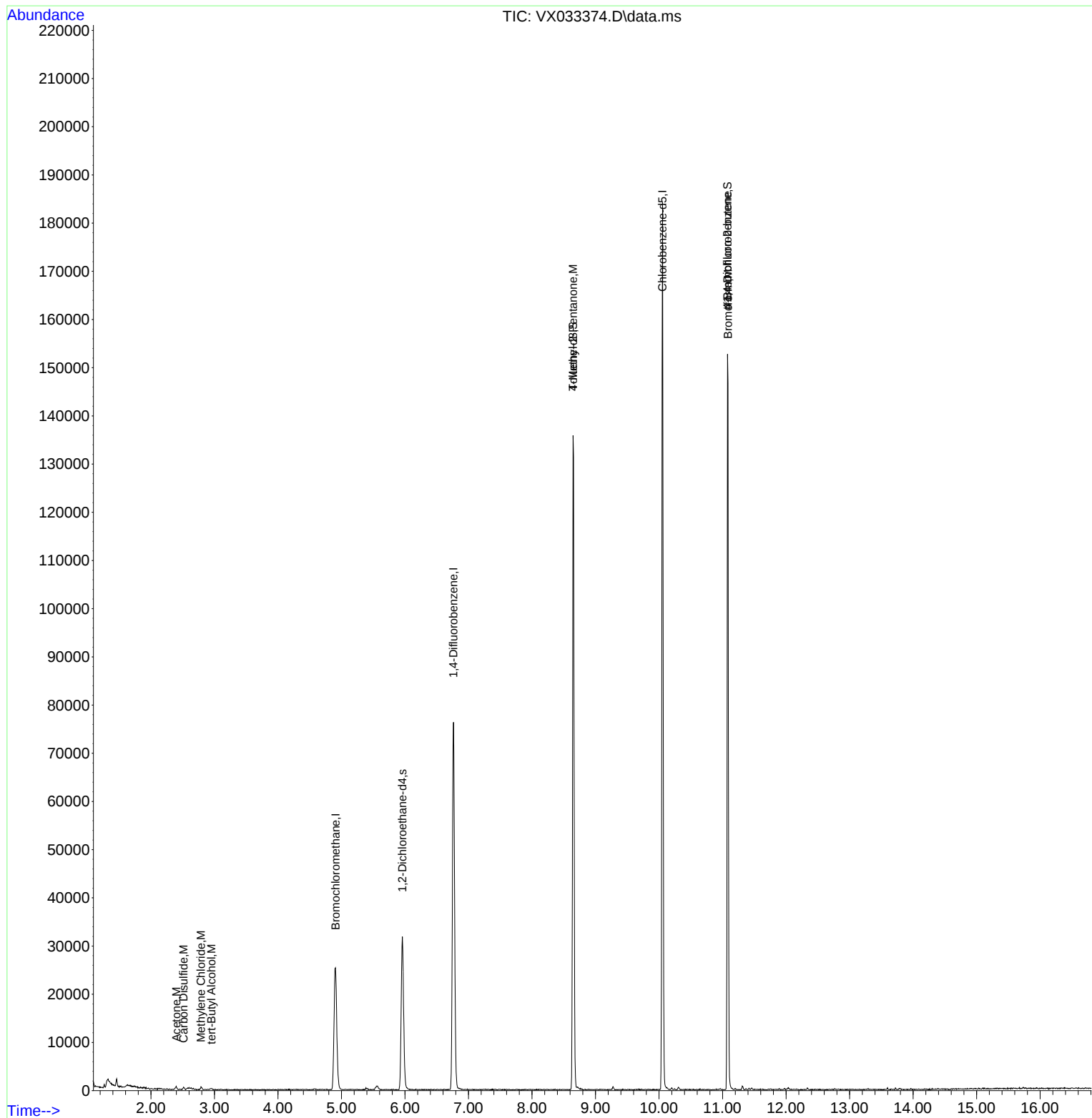
Internal Standards						
1) Bromochloromethane	4.910	128	11612	30.000	ug/l	0.01
28) 1,4-Difluorobenzene	6.763	114	80432	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	83812	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	32489	31.857	ug/l	0.00
Spiked Amount	30.000	Range 91 - 110	Recovery	=	106.200%	
60) 4-Bromofluorobenzene	11.079	95	40759	26.257	ug/l	0.00
Spiked Amount	30.000	Range 63 - 112	Recovery	=	87.533%	
63) Toluene-d8	8.647	98	84112	30.169	ug/l	0.00
Spiked Amount	30.000	Range 91 - 112	Recovery	=	100.567%	
Target Compounds						
						Qvalue
15) Acetone	2.398	58	204	1.157	ug/l #	38
16) Carbon Disulfide	2.514	76	621	0.230	ug/l #	76
18) Methylene Chloride	2.788	84	293	0.252	ug/l #	74
23) tert-Butyl Alcohol	2.953	59	90	0.411	ug/l #	1
56) Bromoform	11.085	173	311	0.292	ug/l #	1
58) 4-Methyl-2-Pentanone	8.647	43	347	0.256	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	21618	42.612	ug/l #	9

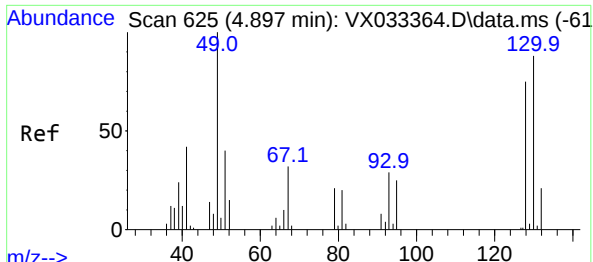
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VX033374.D
Acq On : 12 Dec 2022 15:05
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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TP

Quant Time: Dec 13 07:31:27 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X121222W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Mon Dec 12 12:37:35 2022
Response via : Initial Calibration

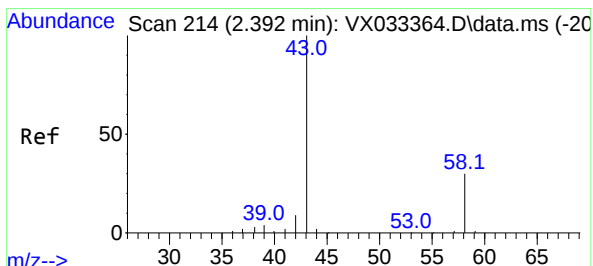
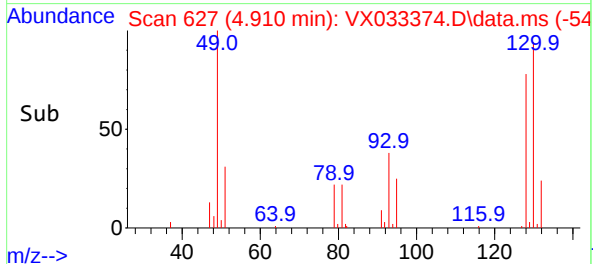
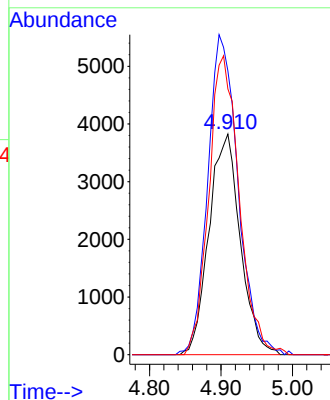
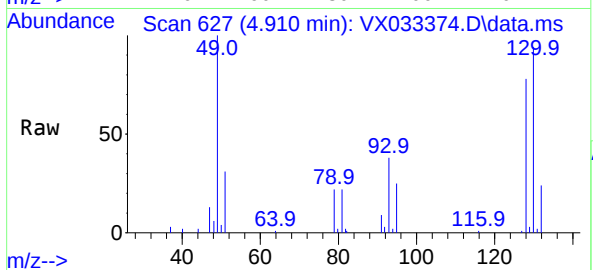




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.910 min Scan# 61
Delta R.T. 0.013 min
Lab File: VX033374.D
Acq: 12 Dec 2022 15:05

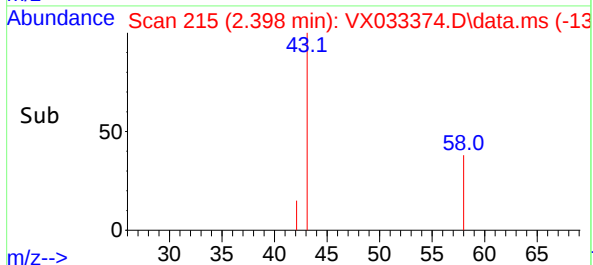
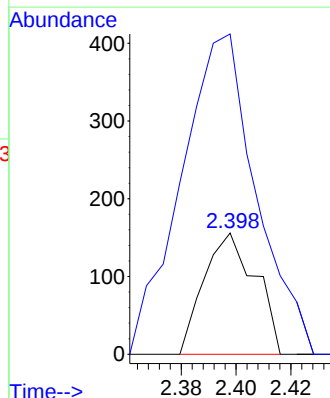
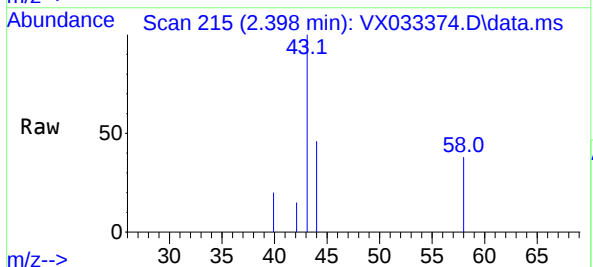
Instrument :
MSVOA_X
ClientSampleId :
TP

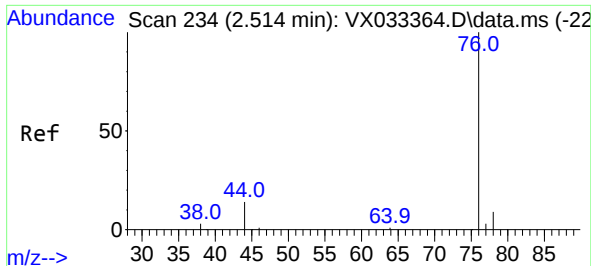
Tgt Ion:128 Resp: 11612
Ion Ratio Lower Upper
128 100
49 140.7 0.0 339.5
130 131.5 0.0 318.0



#15
Acetone
Concen: 1.157 ug/l
RT: 2.398 min Scan# 215
Delta R.T. 0.006 min
Lab File: VX033374.D
Acq: 12 Dec 2022 15:05

Tgt Ion: 58 Resp: 204
Ion Ratio Lower Upper
58 100
43 199.4 262.9 394.3#

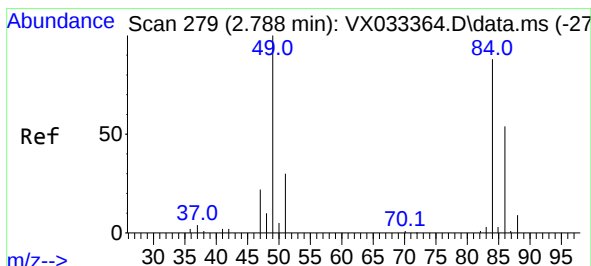
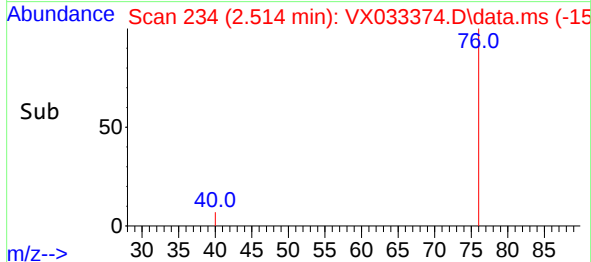
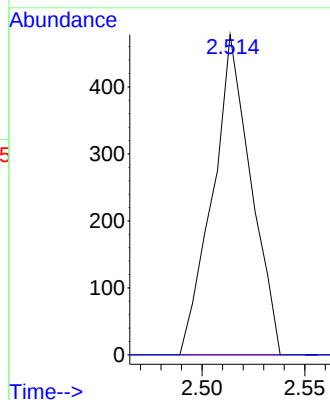
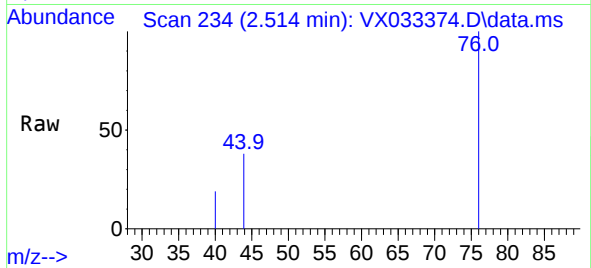




#16
Carbon Disulfide
Concen: 0.230 ug/l
RT: 2.514 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX033374.D
Acq: 12 Dec 2022 15:05

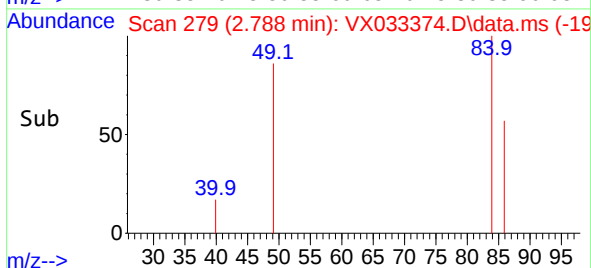
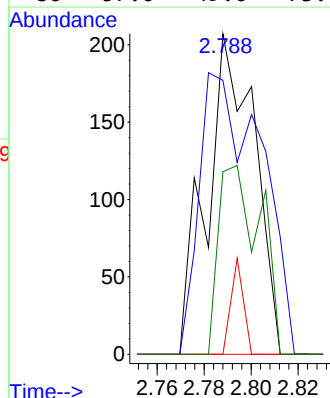
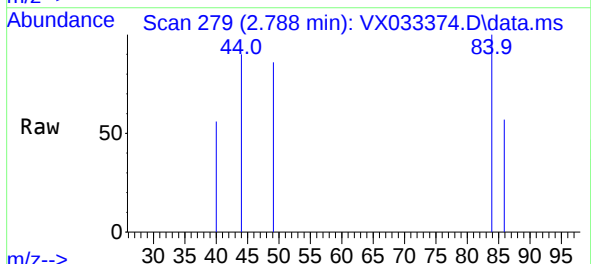
Instrument :
MSVOA_X
ClientSampleId :
TP

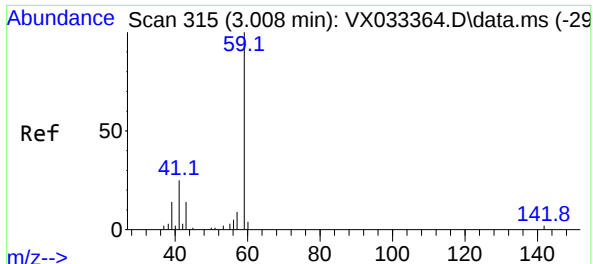
Tgt Ion: 76 Resp: 621
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.4#



#18
Methylene Chloride
Concen: 0.252 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX033374.D
Acq: 12 Dec 2022 15:05

Tgt Ion: 84 Resp: 293
Ion Ratio Lower Upper
84 100
49 85.5 91.2 136.8#
51 0.0 27.3 40.9#
86 57.0 49.0 73.4

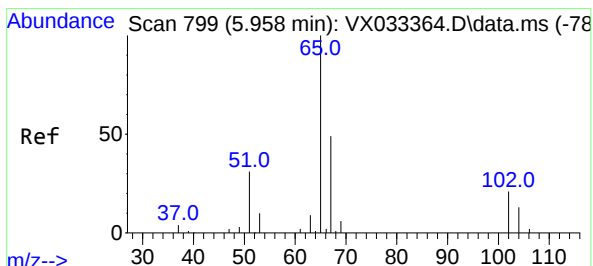
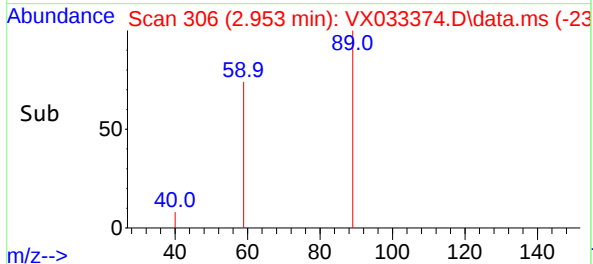
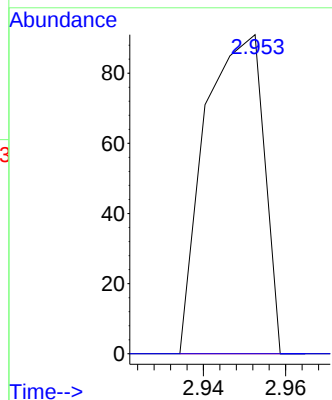
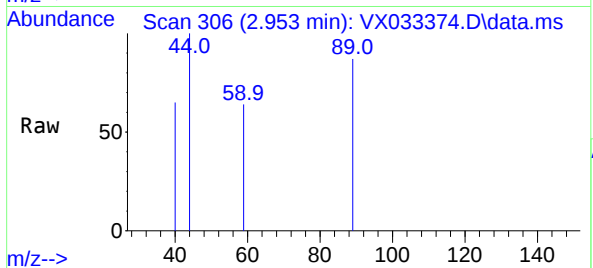




#23
tert-Butyl Alcohol
Concen: 0.411 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.055 min
Lab File: VX033374.D
Acq: 12 Dec 2022 15:05

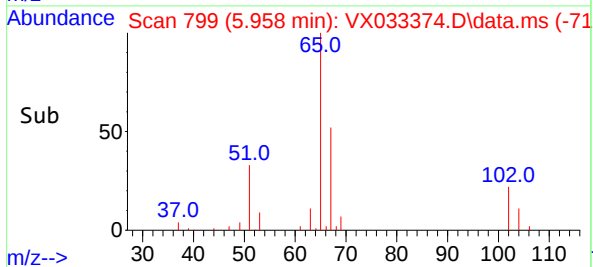
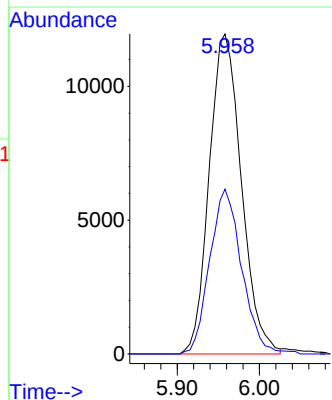
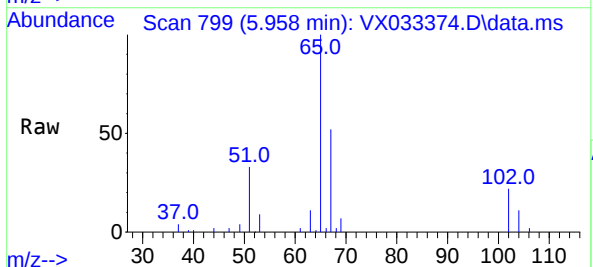
Instrument :
MSVOA_X
ClientSampleId :
TP

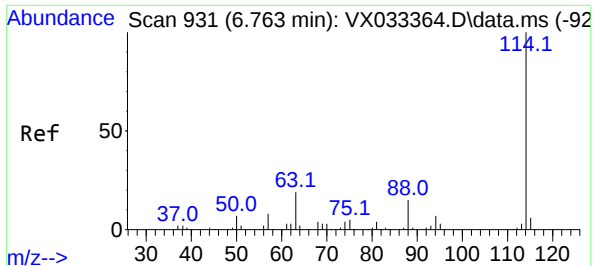
Tgt Ion: 59 Resp: 90
Ion Ratio Lower Upper
59 100
52 0.0 149.0 223.6#



#27
1,2-Dichloroethane-d4
Concen: 31.857 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX033374.D
Acq: 12 Dec 2022 15:05

Tgt Ion: 65 Resp: 32489
Ion Ratio Lower Upper
65 100
67 51.3 39.8 59.8



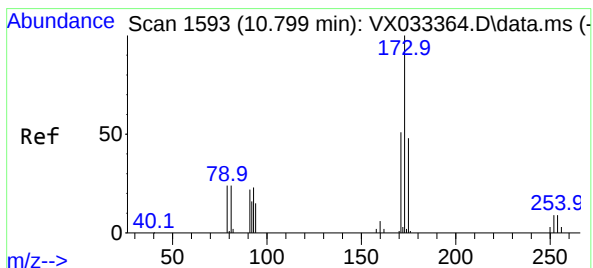
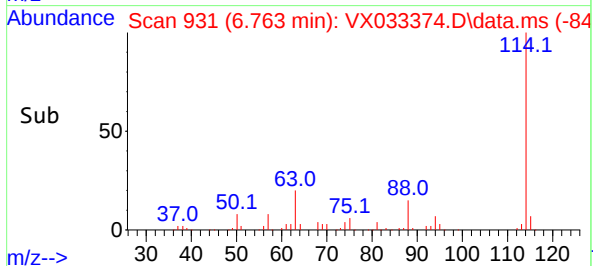
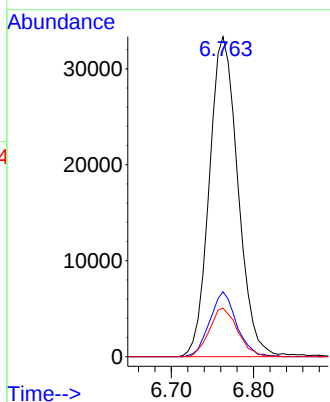
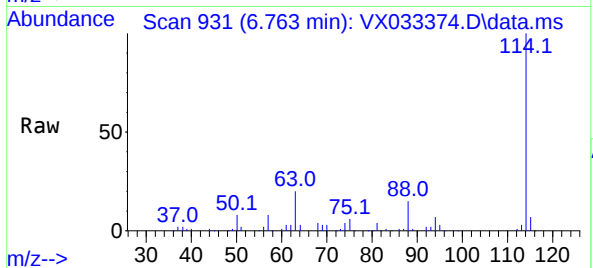


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX033374.D
Acq: 12 Dec 2022 15:05

Instrument :
MSVOA_X
ClientSampleId :
TP

Tgt Ion:114 Resp: 80432

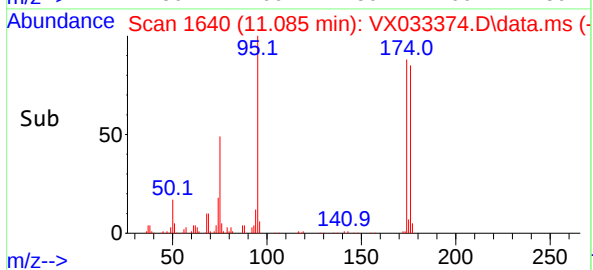
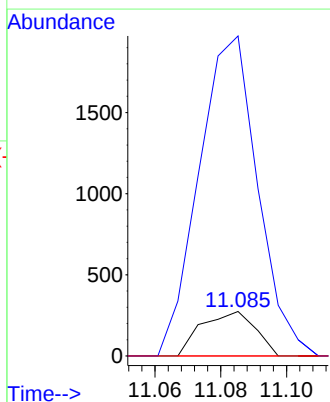
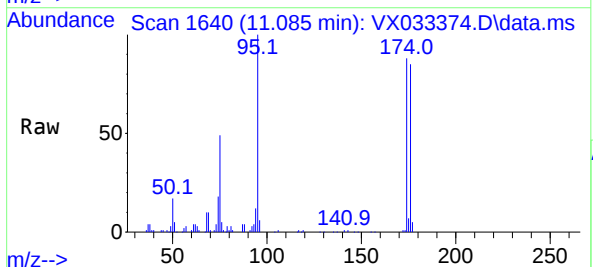
Ion	Ratio	Lower	Upper
114	100		
63	19.1	15.2	22.8
88	15.0	12.2	18.4

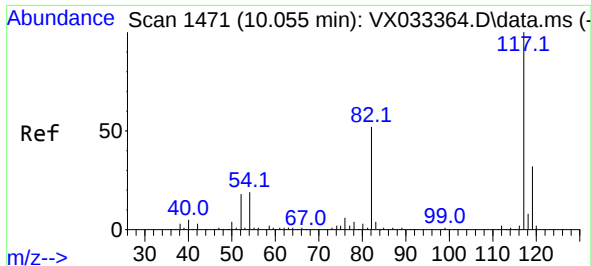


#56
Bromoform
Concen: 0.292 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.286 min
Lab File: VX033374.D
Acq: 12 Dec 2022 15:05

Tgt Ion:173 Resp: 311

Ion	Ratio	Lower	Upper
173	100		
175	789.4	39.6	59.4#
254	0.0	7.1	10.7#





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VX033374.D

Acq: 12 Dec 2022 15:05

Instrument :

MSVOA_X

ClientSampleId :

TP

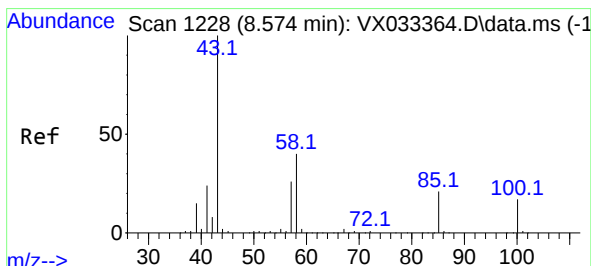
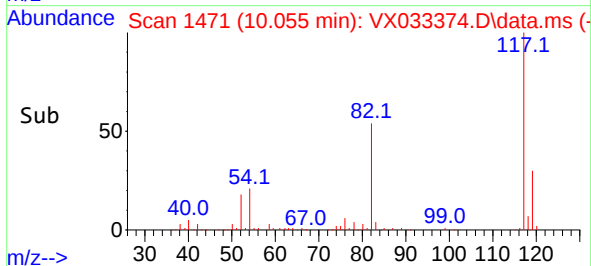
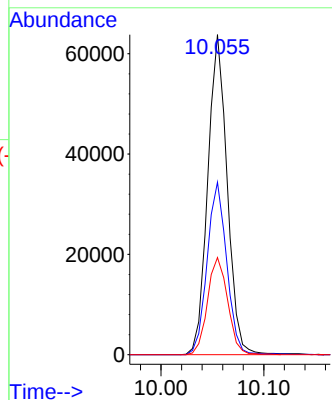
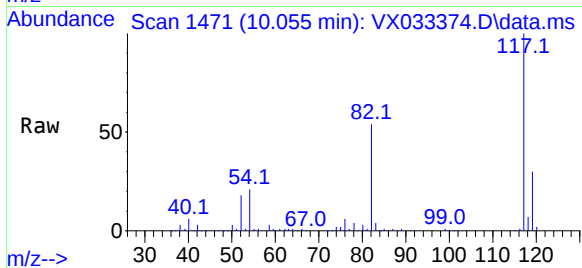
Tgt Ion:117 Resp: 83812

Ion Ratio Lower Upper

117 100

82 54.2 43.7 65.5

119 31.6 25.6 38.4



#58

4-Methyl-2-Pentanone

Concen: 0.256 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.073 min

Lab File: VX033374.D

Acq: 12 Dec 2022 15:05

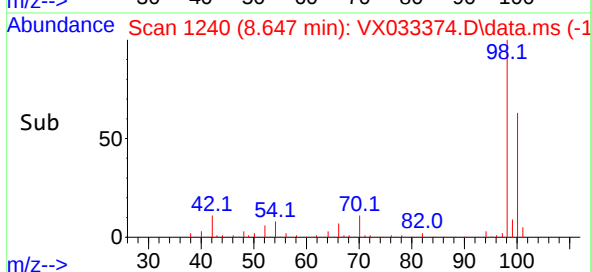
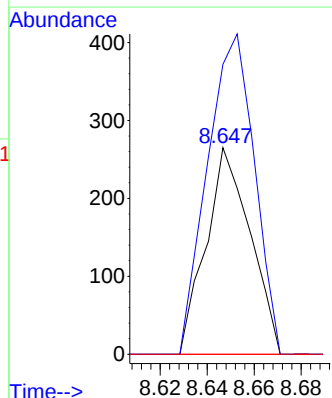
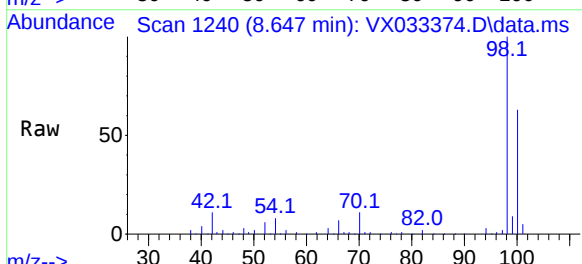
Tgt Ion: 43 Resp: 347

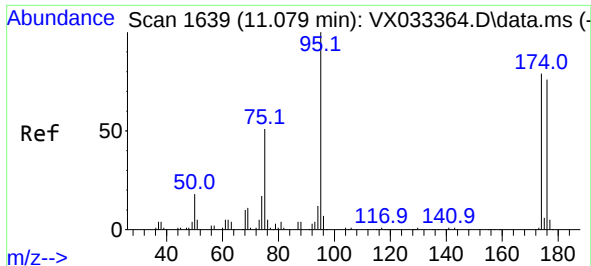
Ion Ratio Lower Upper

43 100

58 164.6 32.3 48.5#

85 0.0 16.6 24.8#

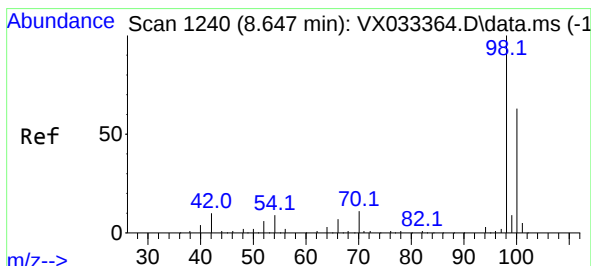
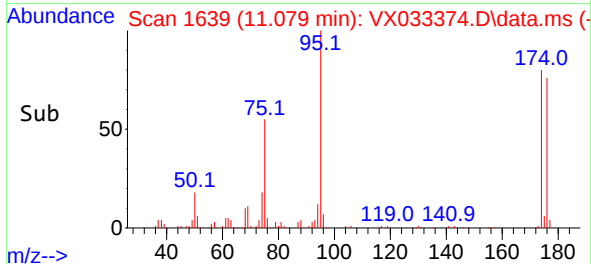
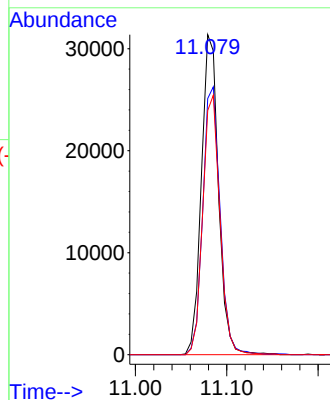
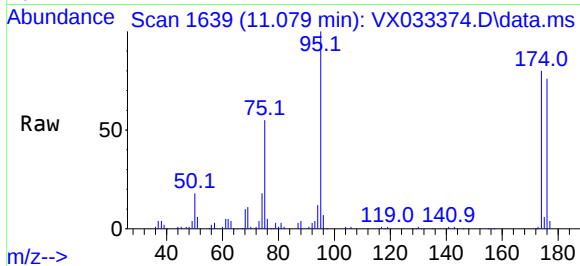




#60
4-Bromofluorobenzene
Concen: 26.257 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX033374.D
Acq: 12 Dec 2022 15:05

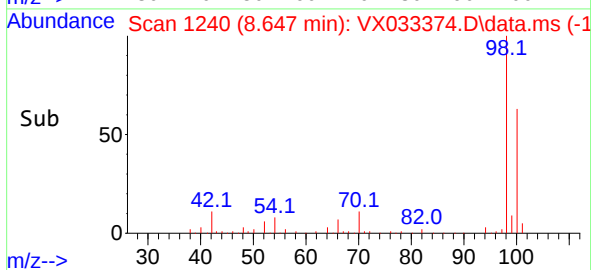
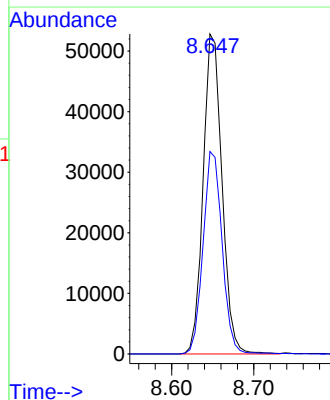
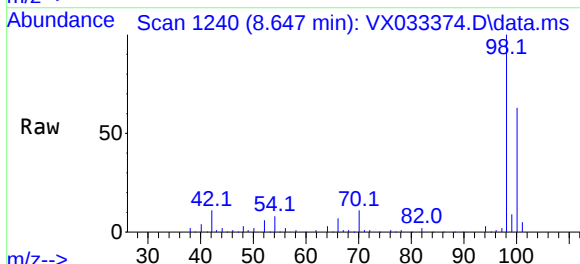
Instrument :
MSVOA_X
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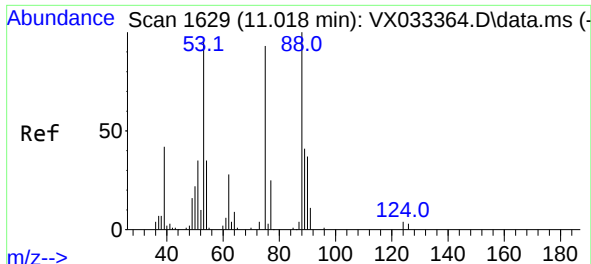
Tgt Ion: 95 Resp: 40759
Ion Ratio Lower Upper
95 100
174 84.3 65.9 98.9
176 81.4 63.3 94.9



#63
Toluene-d8
Concen: 30.169 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX033374.D
Acq: 12 Dec 2022 15:05

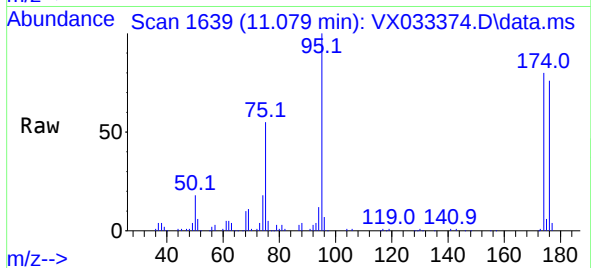
Tgt Ion: 98 Resp: 84112
Ion Ratio Lower Upper
98 100
100 63.7 51.4 77.2





#77
 t-1,4-Dichloro-2-butene
 Concen: 42.612 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX033374.D
 Acq: 12 Dec 2022 15:05

Instrument :
 MSVOA_X
 ClientSampleId :
 TP



Tgt Ion: 75 Resp: 21618

Ion	Ratio	Lower	Upper
75	100		
53	0.0	51.4	154.3#
89	0.0	22.2	66.6#

