

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121523\
 Data File : VX039226.D
 Acq On : 15 Dec 2023 12:02
 Operator : JC/MD
 Sample : 05840-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 16 01:13:38 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X112423W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Nov 27 03:22:25 2023
 Response via : Initial Calibration

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

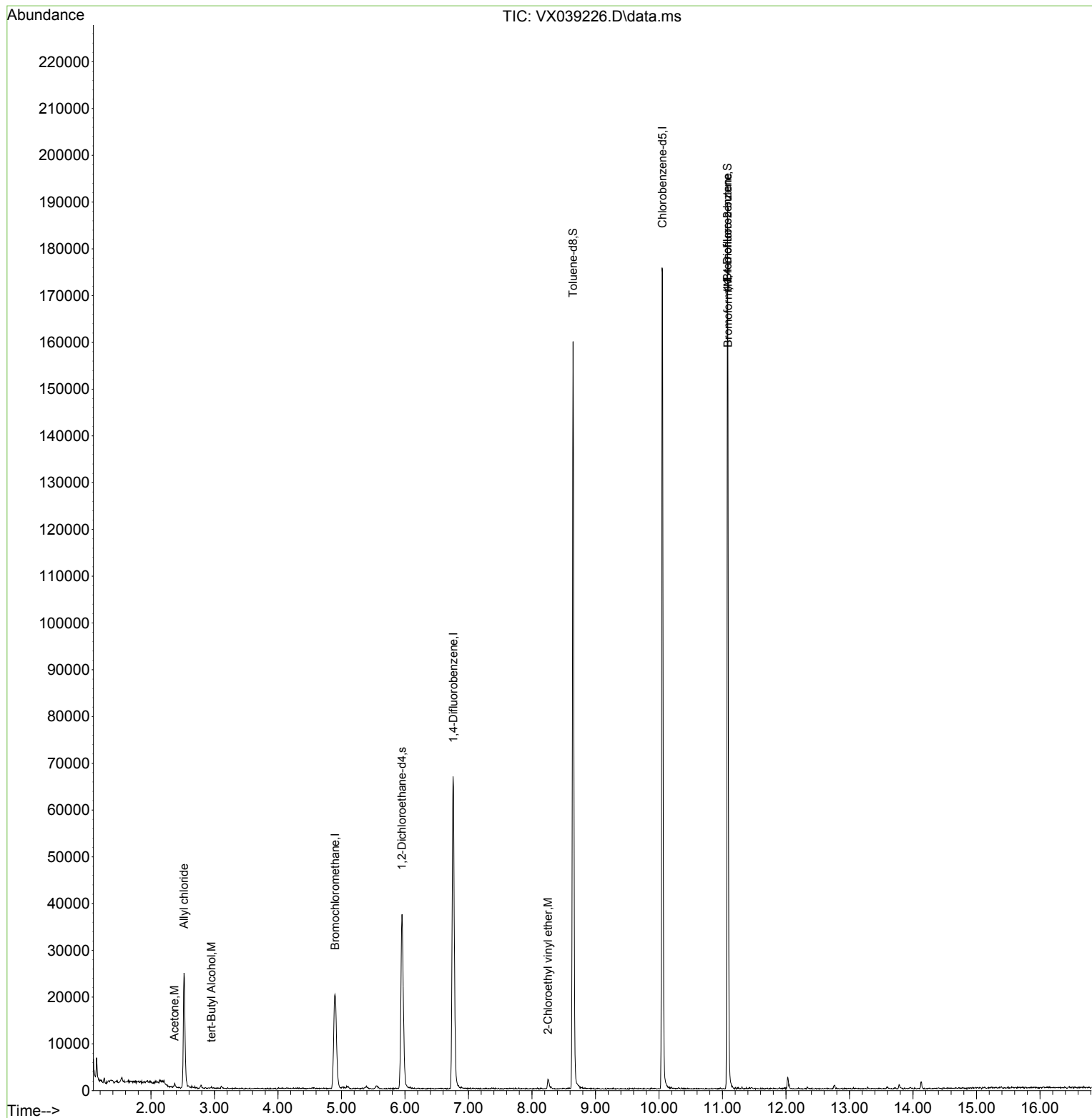
Internal Standards						
1) Bromochloromethane	4.898	128	7977	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	65848	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	79175	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	36171	33.145	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	110.467%#
60) 4-Bromofluorobenzene	11.079	95	52535	30.379	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	101.267%
63) Toluene-d8	8.647	98	91969	29.380	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	97.933%
Target Compounds						
					Qvalue	
15) Acetone	2.368	58	218	0.725	ug/l #	1
17) Allyl chloride	2.520	41	2356	1.094	ug/l	64
23) tert-Butyl Alcohol	2.953	59	111	0.242	ug/l #	100
55) 2-Chloroethyl vinyl ether	8.251	63	734	0.680	ug/l #	70
56) Bromoform	11.085	173	318	0.301	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	28383	36.991	ug/l #	12

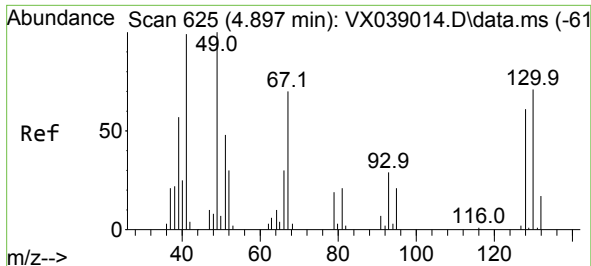
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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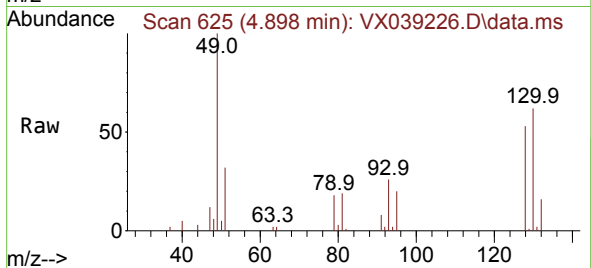
Quant Time: Dec 16 01:13:38 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X112423W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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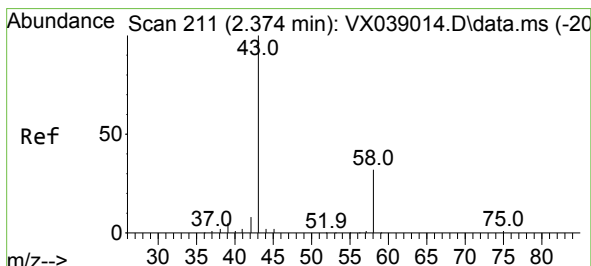
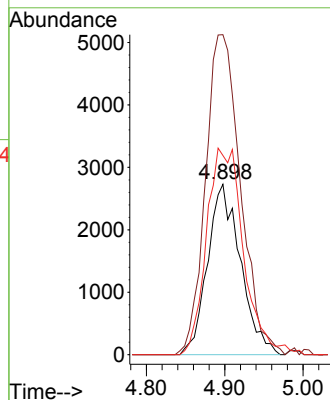
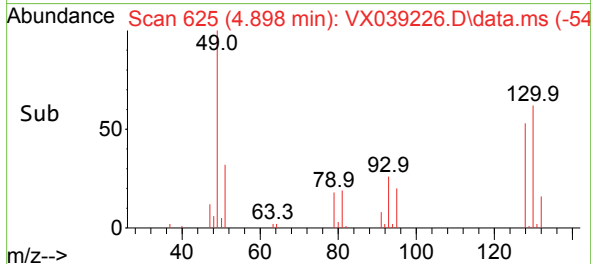


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.898 min Scan# 61
Delta R.T. 0.001 min
Lab File: VX039226.D
Acq: 15 Dec 2023 12:02

Instrument :
MSVOA_X
ClientSampleId :

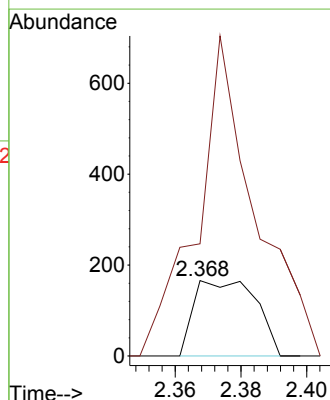
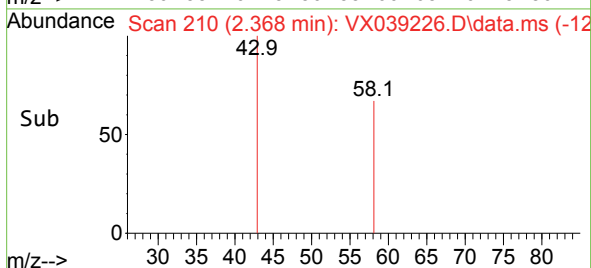
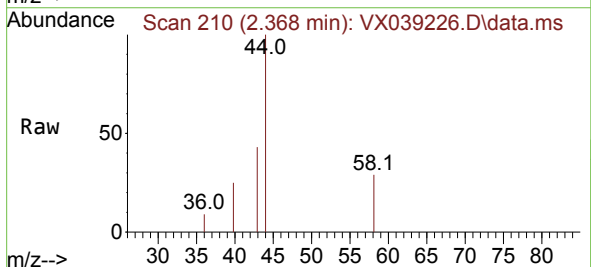


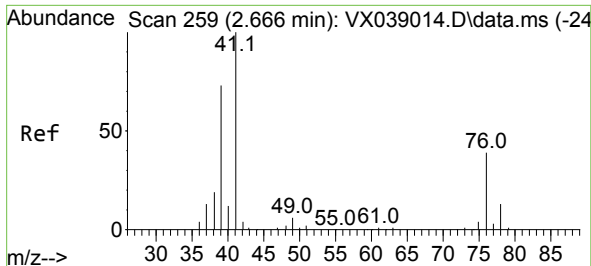
Tgt Ion:128 Resp: 7977
Ion Ratio Lower Upper
128 100
49 199.7 0.0 444.0
130 80.9 0.0 297.8



#15
Acetone
Concen: 0.725 ug/l
RT: 2.368 min Scan# 210
Delta R.T. -0.006 min
Lab File: VX039226.D
Acq: 15 Dec 2023 12:02

Tgt Ion: 58 Resp: 218
Ion Ratio Lower Upper
58 100
43 7.2 249.9 374.9#





#17

Allyl chloride

Concen: 1.094 ug/l

RT: 2.520 min Scan# 21

Delta R.T. -0.146 min

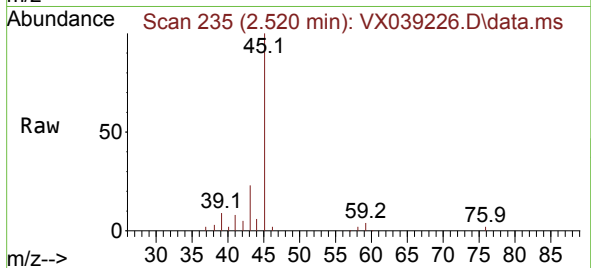
Lab File: VX039226.D

Acq: 15 Dec 2023 12:02

Instrument :

MSVOA_X

ClientSampleId :



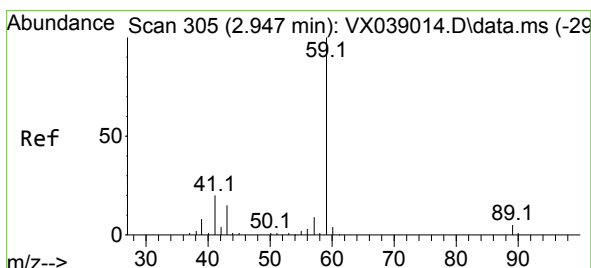
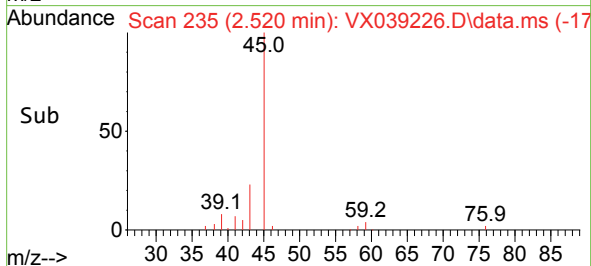
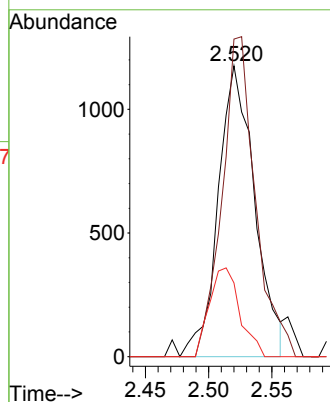
Tgt Ion: 41 Resp: 2356

Ion Ratio Lower Upper

41 100

39 109.2 36.5 109.5

76 25.3 19.7 59.0



#23

tert-Butyl Alcohol

Concen: 0.242 ug/l

RT: 2.953 min Scan# 306

Delta R.T. 0.006 min

Lab File: VX039226.D

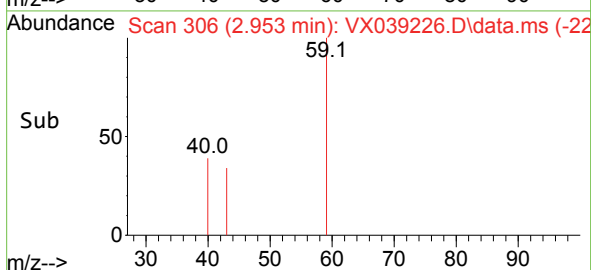
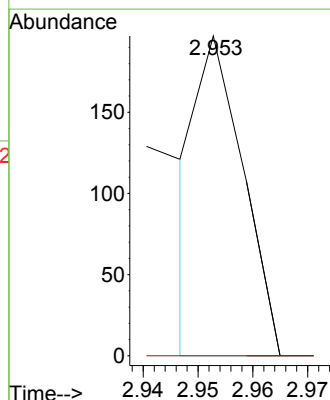
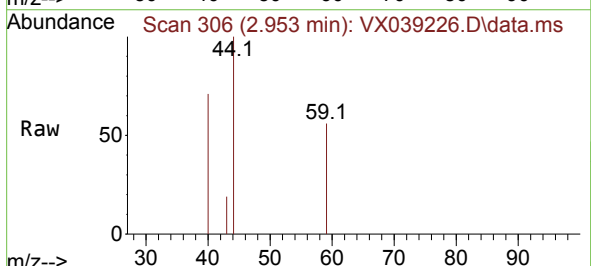
Acq: 15 Dec 2023 12:02

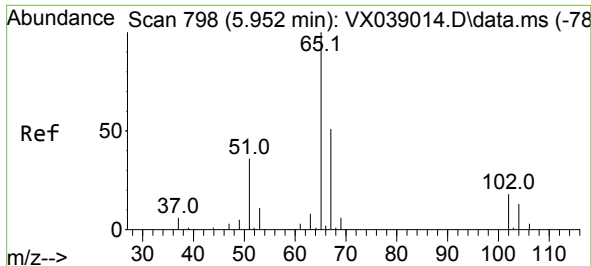
Tgt Ion: 59 Resp: 111

Ion Ratio Lower Upper

59 100

52 0.0 0.0 0.0





#27

1,2-Dichloroethane-d4

Concen: 33.145 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX039226.D

Acq: 15 Dec 2023 12:02

Instrument :

MSVOA_X

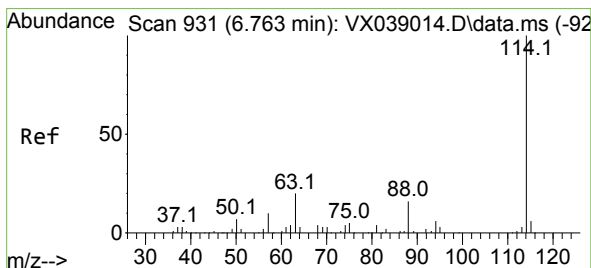
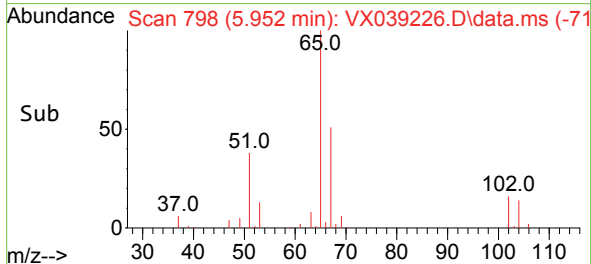
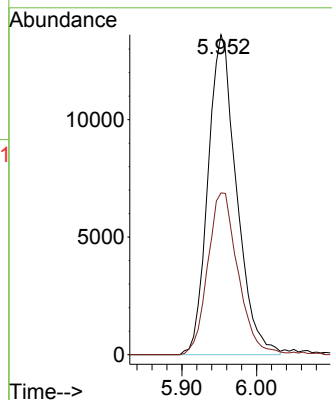
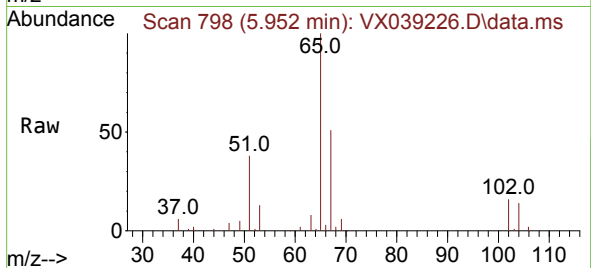
ClientSampleId :

Tgt Ion: 65 Resp: 36171

Ion Ratio Lower Upper

65 100

67 53.5 42.5 63.7



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX039226.D

Acq: 15 Dec 2023 12:02

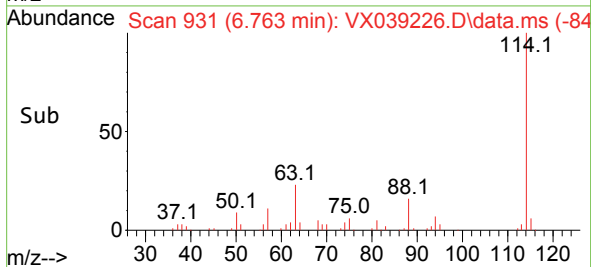
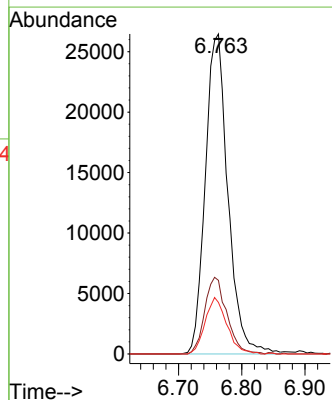
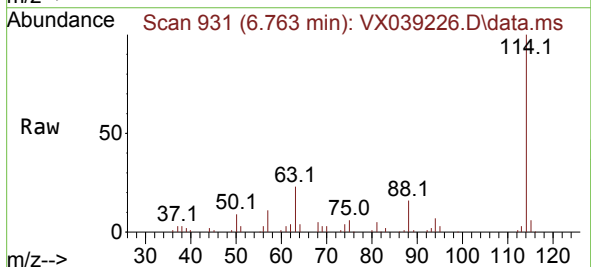
Tgt Ion: 114 Resp: 65848

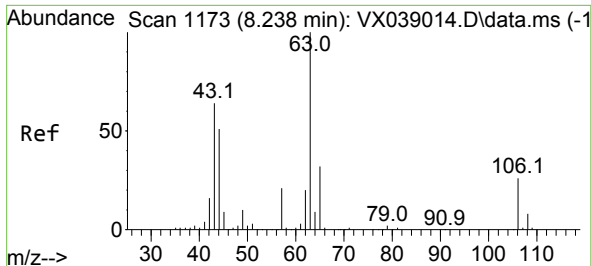
Ion Ratio Lower Upper

114 100

63 23.4 17.0 25.4

88 16.9 12.7 19.1

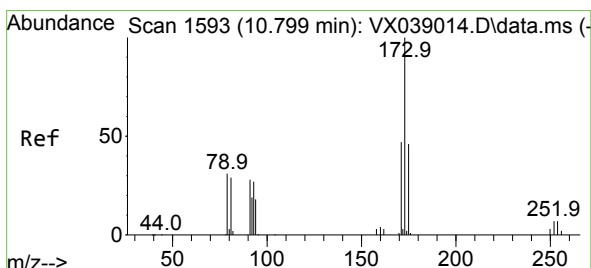
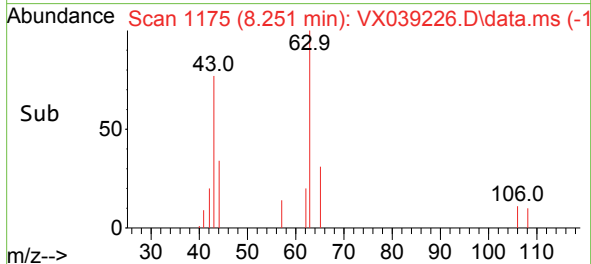
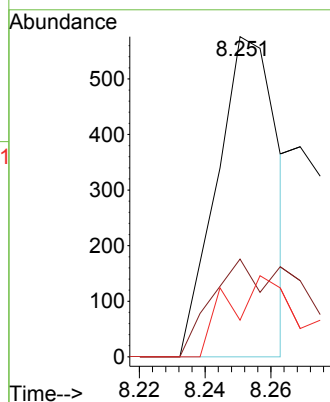
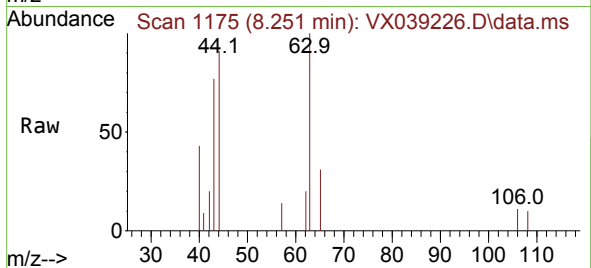




#55
2-Chloroethyl vinyl ether
Concen: 0.680 ug/l
RT: 8.251 min Scan# 1175
Delta R.T. 0.012 min
Lab File: VX039226.D
Acq: 15 Dec 2023 12:02

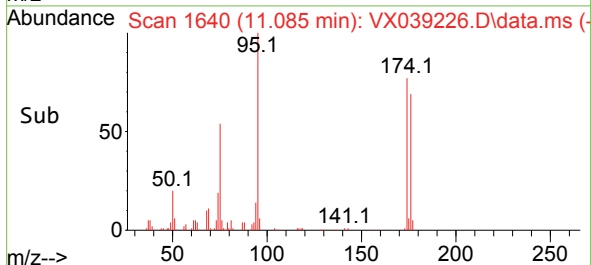
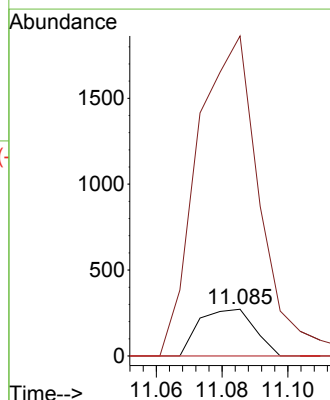
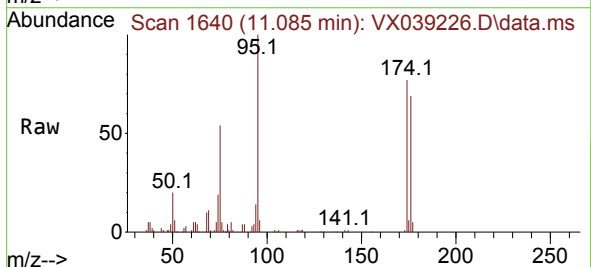
Instrument :
MSVOA_X
ClientSampleId :

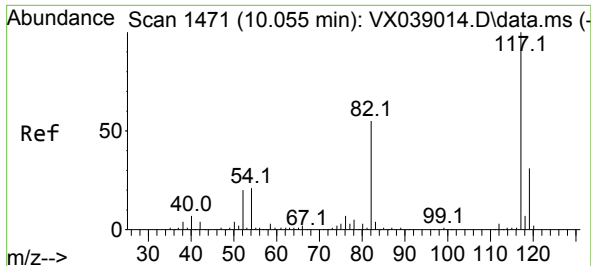
Tgt Ion: 63 Resp: 734
Ion Ratio Lower Upper
63 100
65 24.8 25.8 38.6#
106 0.0 20.6 31.0#



#56
Bromoform
Concen: 0.301 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.287 min
Lab File: VX039226.D
Acq: 15 Dec 2023 12:02

Tgt Ion: 173 Resp: 318
Ion Ratio Lower Upper
173 100
175 775.8 37.6 56.4#
254 0.0 5.8 8.8#

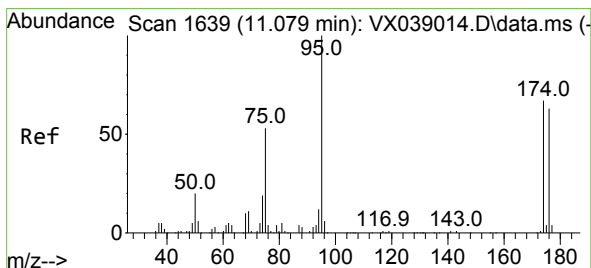
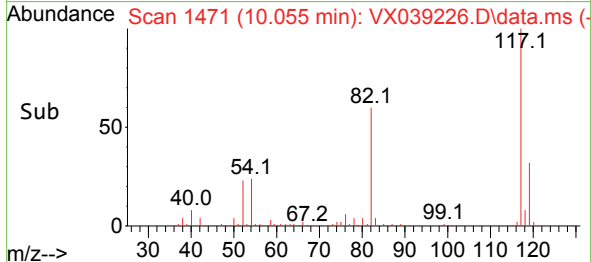
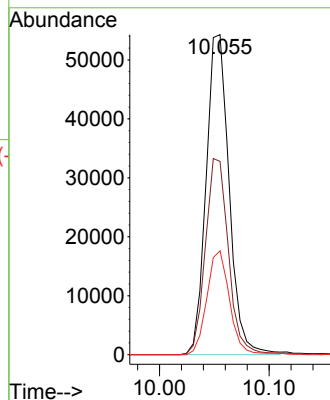
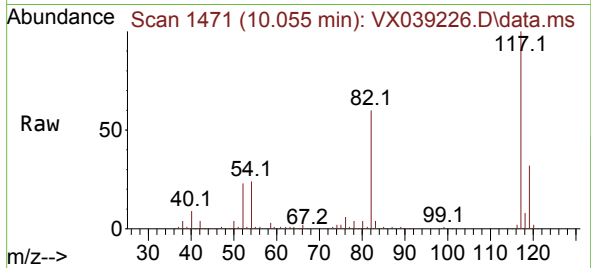




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX039226.D
Acq: 15 Dec 2023 12:02

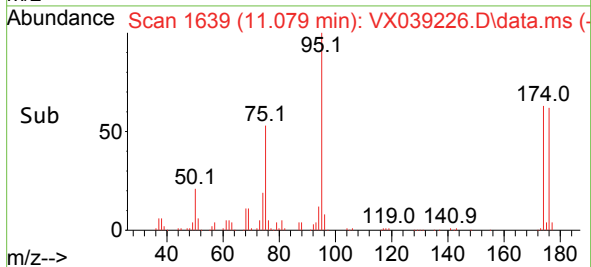
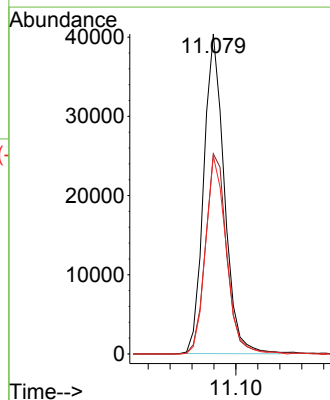
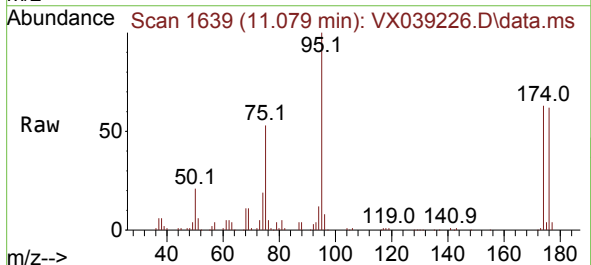
Instrument :
MSVOA_X
ClientSampleId :

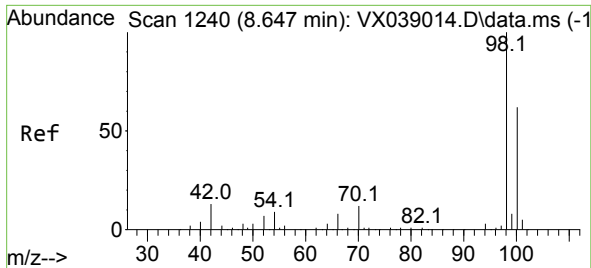
Tgt Ion	Ratio	Lower	Upper
117	100		
82	61.6	47.0	70.6
119	31.8	25.2	37.8



#60
4-Bromofluorobenzene
Concen: 30.379 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX039226.D
Acq: 15 Dec 2023 12:02

Tgt Ion	Ratio	Lower	Upper
95	100		
174	65.0	55.4	83.2
176	62.6	52.6	78.8

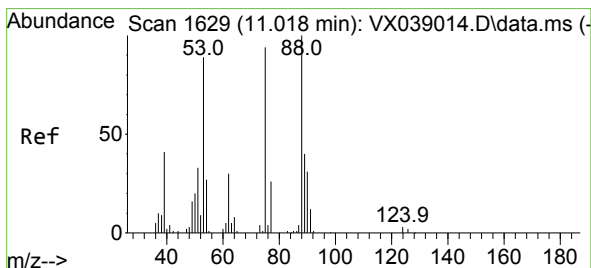
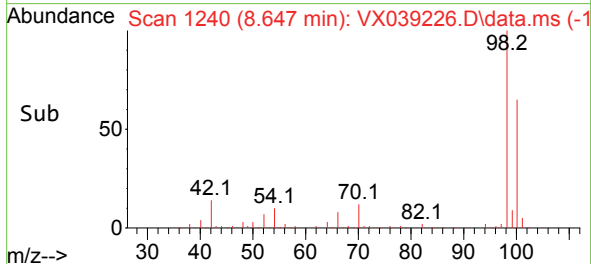
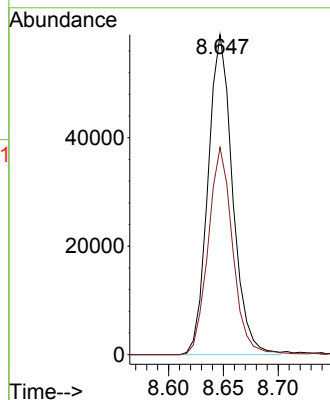
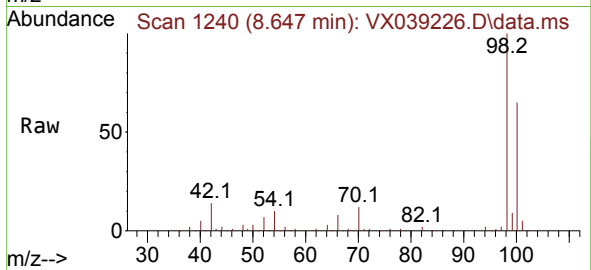




#63
Toluene-d8
Concen: 29.380 ug/l
RT: 8.647 min Scan# 11969
Delta R.T. 0.000 min
Lab File: VX039226.D
Acq: 15 Dec 2023 12:02

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 98 Resp: 91969
Ion Ratio Lower Upper
98 100
100 64.7 51.0 76.4



#77
t-1,4-Dichloro-2-butene
Concen: 36.991 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX039226.D
Acq: 15 Dec 2023 12:02

Tgt Ion: 75 Resp: 28383
Ion Ratio Lower Upper
75 100
53 0.0 46.9 140.8#
89 0.0 21.3 63.7#

