

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061424\
 Data File : VX041883.D
 Acq On : 14 Jun 2024 17:24
 Operator : JC/MD
 Sample : P2893-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 15 04:14:03 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X061424W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Jun 15 04:02:59 2024
 Response via : Initial Calibration

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

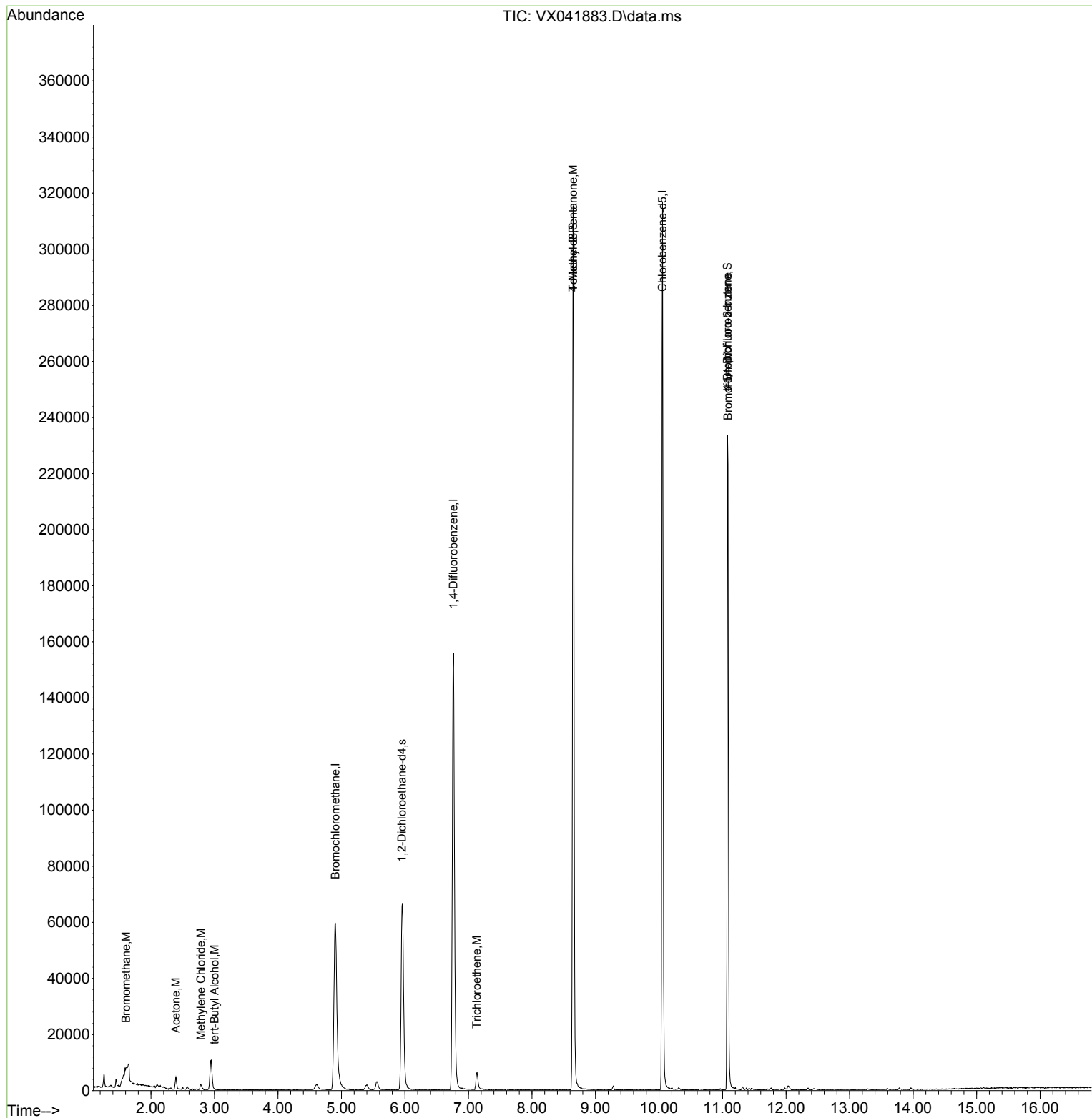
Internal Standards						
1) Bromochloromethane	4.904	128	32177	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	175314	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	155481	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	64551	29.142	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	97.133%
60) 4-Bromofluorobenzene	11.079	95	64408	26.762	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	89.200%
63) Toluene-d8	8.647	98	202202	30.397	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.333%
Target Compounds						
					Qvalue	
5) Bromomethane	1.605	94	562	0.462	ug/l #	71
15) Acetone	2.392	58	1482	4.354	ug/l	92
18) Methylene Chloride	2.788	84	1073	0.476	ug/l #	80
23) tert-Butyl Alcohol	3.001	59	128	0.289	ug/l #	100
37) Trichloroethene	7.129	130	2906	1.396	ug/l	95
56) Bromoform	11.085	173	351	0.201	ug/l #	1
58) 4-Methyl-2-Pentanone	8.647	43	652	0.234	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	29238	32.508	ug/l #	7

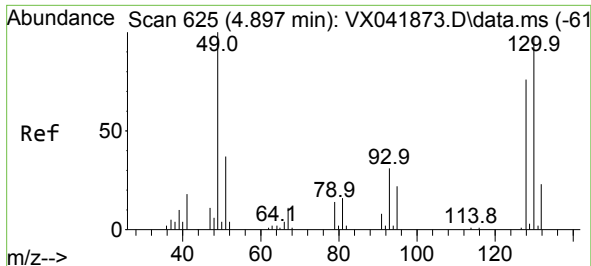
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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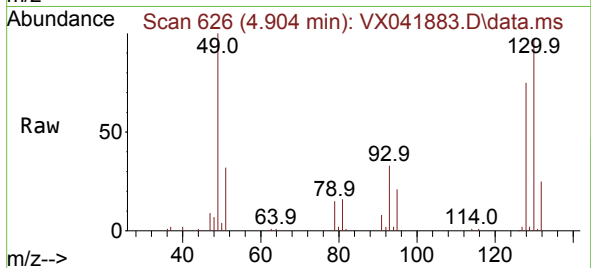
Quant Time: Jun 15 04:14:03 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X061424W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Jun 15 04:02:59 2024
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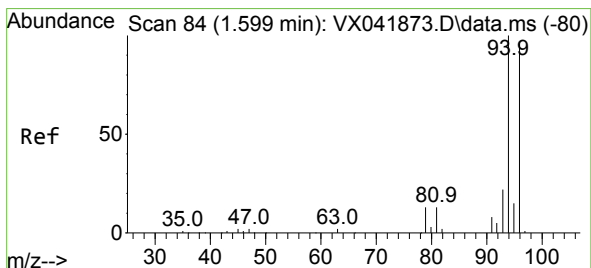
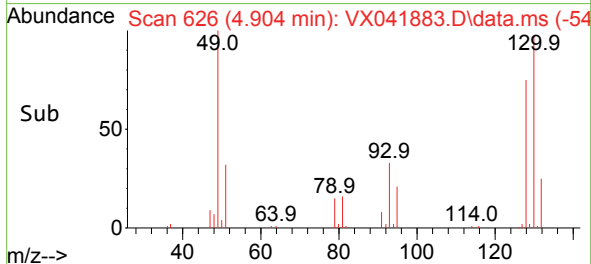
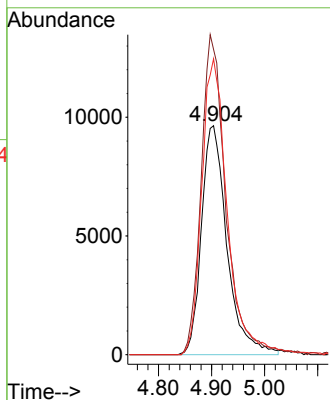


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.904 min Scan# 61
Delta R.T. 0.007 min
Lab File: VX041883.D
Acq: 14 Jun 2024 17:24

Instrument :
MSVOA_X
ClientSampleId :

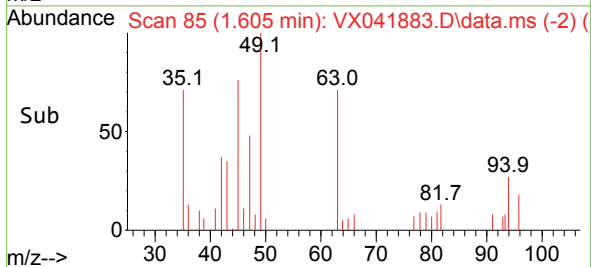
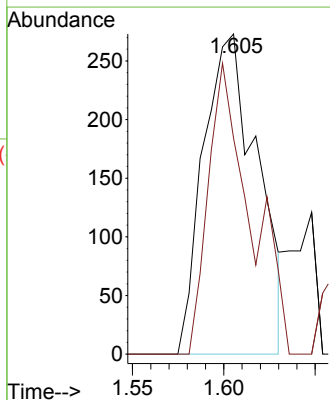
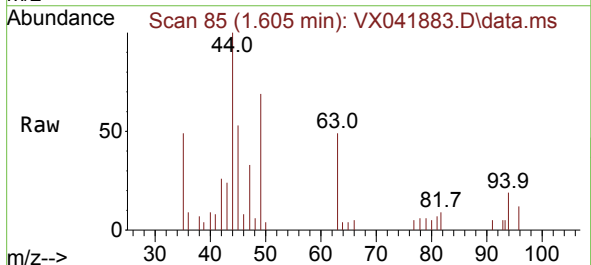


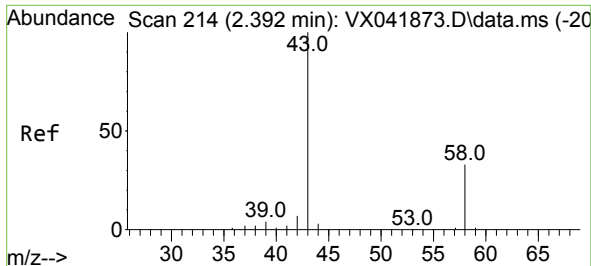
Tgt Ion:128 Resp: 32177
Ion Ratio Lower Upper
128 100
49 136.0 0.0 338.5
130 126.9 0.0 324.5



#5
Bromomethane
Concen: 0.462 ug/l
RT: 1.605 min Scan# 85
Delta R.T. 0.006 min
Lab File: VX041883.D
Acq: 14 Jun 2024 17:24

Tgt Ion: 94 Resp: 562
Ion Ratio Lower Upper
94 100
96 67.4 76.6 115.0#





#15

Acetone

Concen: 4.354 ug/l

RT: 2.392 min Scan# 214

Delta R.T. -0.000 min

Lab File: VX041883.D

Acq: 14 Jun 2024 17:24

Instrument :

MSVOA_X

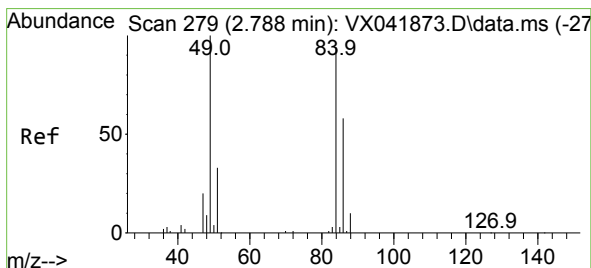
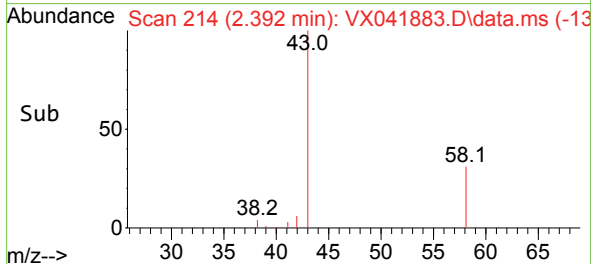
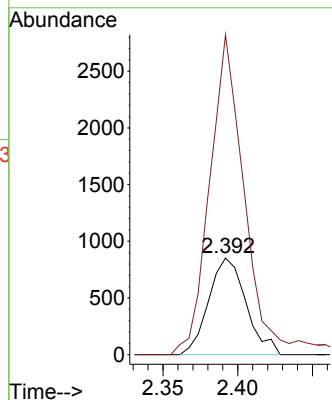
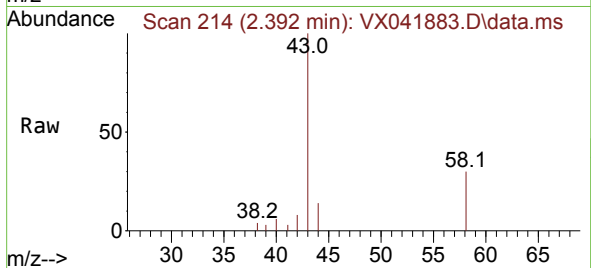
ClientSampleId :

Tgt Ion: 58 Resp: 1482

Ion Ratio Lower Upper

58 100

43 320.9 243.4 365.2



#18

Methylene Chloride

Concen: 0.476 ug/l

RT: 2.788 min Scan# 279

Delta R.T. -0.000 min

Lab File: VX041883.D

Acq: 14 Jun 2024 17:24

Tgt Ion: 84 Resp: 1073

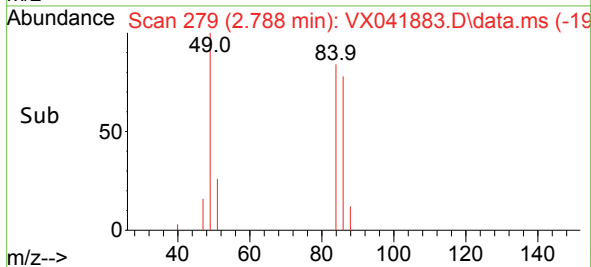
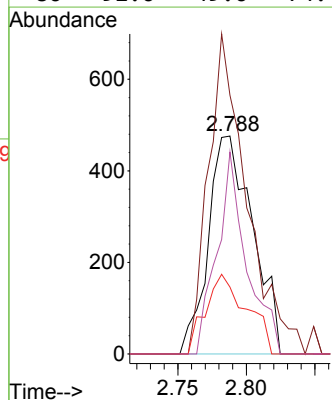
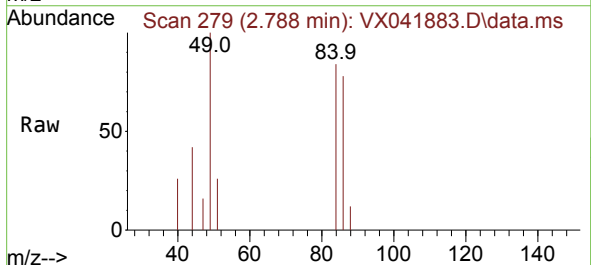
Ion Ratio Lower Upper

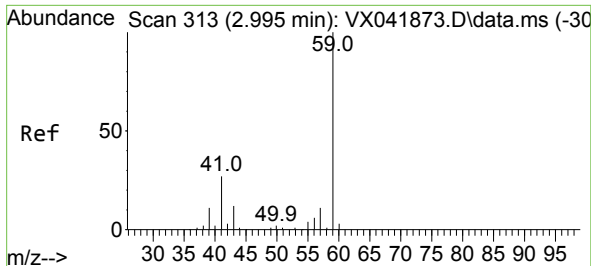
84 100

49 118.7 85.3 127.9

51 30.7 28.5 42.7

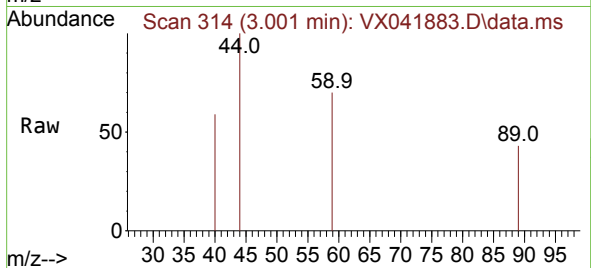
86 92.6 49.6 74.4#



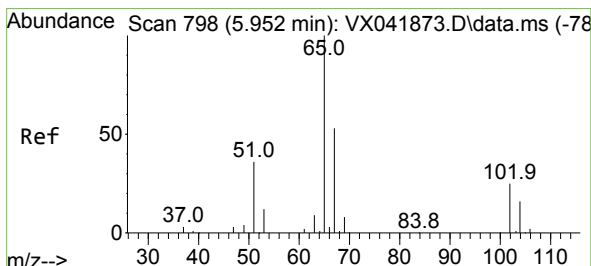
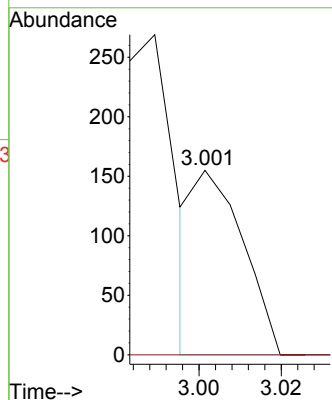
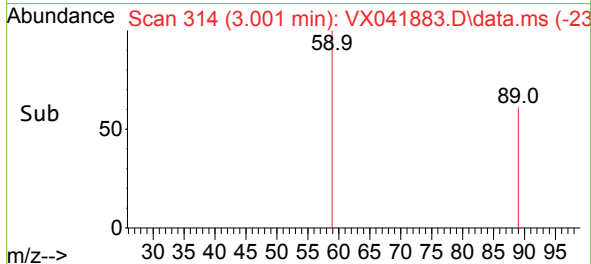


#23
tert-Butyl Alcohol
Concen: 0.289 ug/l
RT: 3.001 min Scan# 313
Delta R.T. 0.006 min
Lab File: VX041883.D
Acq: 14 Jun 2024 17:24

Instrument :
MSVOA_X
ClientSampleId :

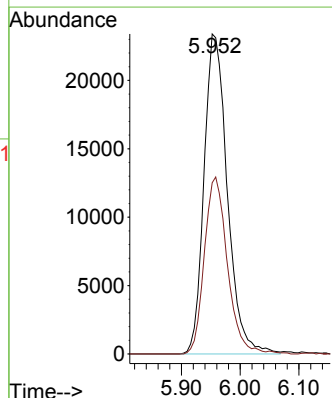
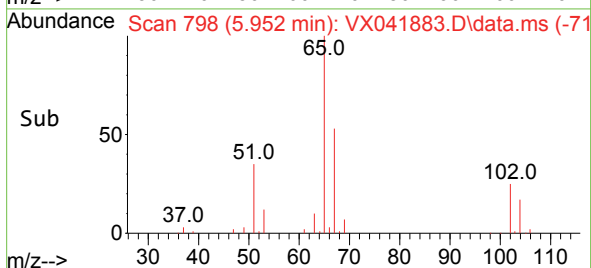
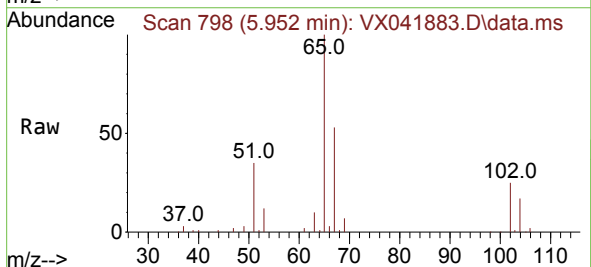


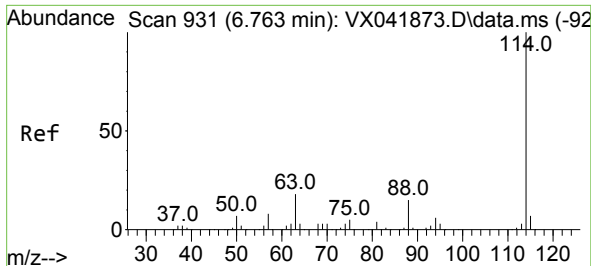
Tgt Ion: 59 Resp: 128
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



#27
1,2-Dichloroethane-d4
Concen: 29.142 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX041883.D
Acq: 14 Jun 2024 17:24

Tgt Ion: 65 Resp: 64551
Ion Ratio Lower Upper
65 100
67 54.4 43.4 65.0





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.763 min Scan# 91

Delta R.T. -0.000 min

Lab File: VX041883.D

Acq: 14 Jun 2024 17:24

Instrument :

MSVOA_X

ClientSampleId :

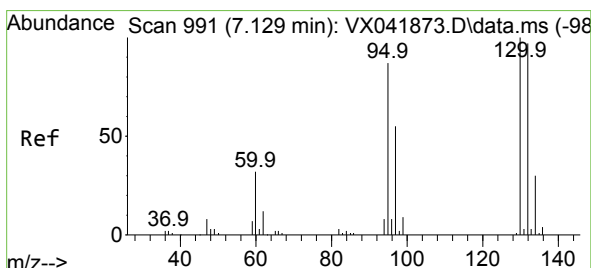
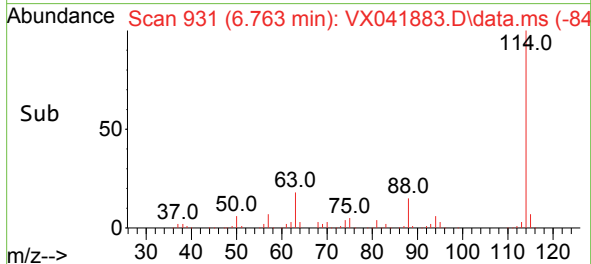
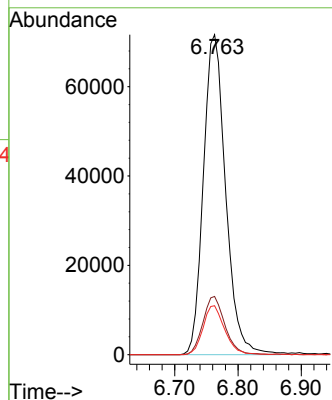
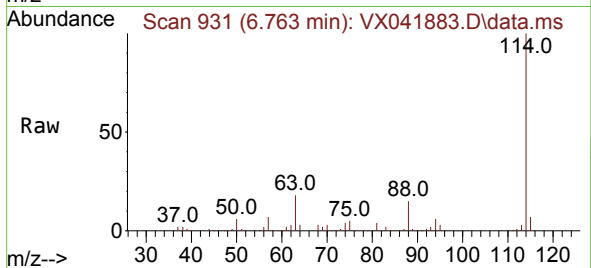
Tgt Ion:114 Resp: 175314

Ion Ratio Lower Upper

114 100

63 17.8 14.6 21.8

88 14.9 11.8 17.8



#37

Trichloroethene

Concen: 1.396 ug/l

RT: 7.129 min Scan# 991

Delta R.T. -0.000 min

Lab File: VX041883.D

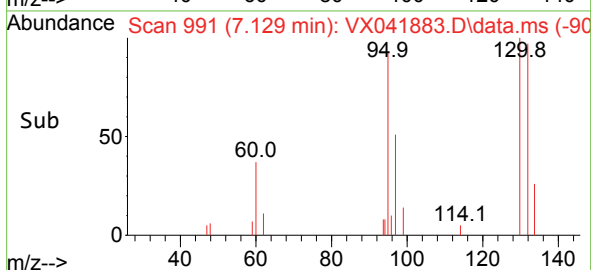
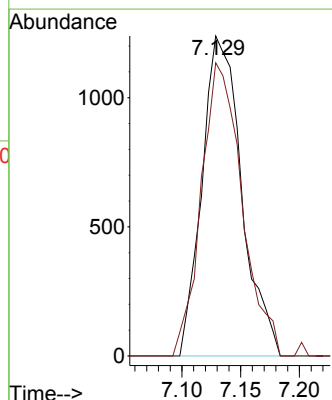
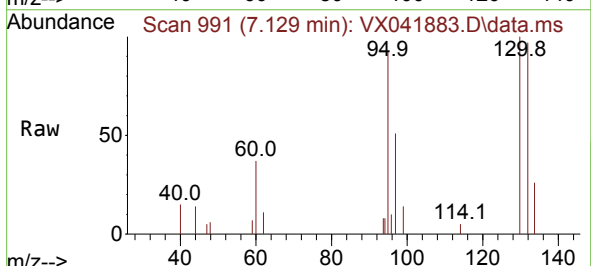
Acq: 14 Jun 2024 17:24

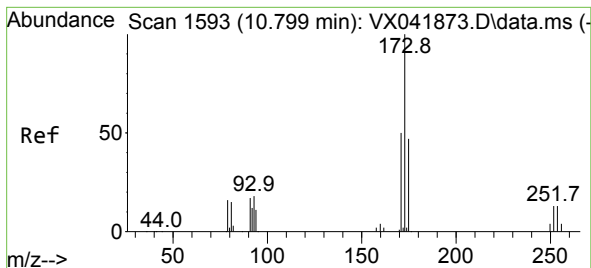
Tgt Ion:130 Resp: 2906

Ion Ratio Lower Upper

130 100

95 91.6 69.4 104.0





#56

Bromoform

Concen: 0.201 ug/l

RT: 11.085 min Scan# 1

Delta R.T. 0.287 min

Lab File: VX041883.D

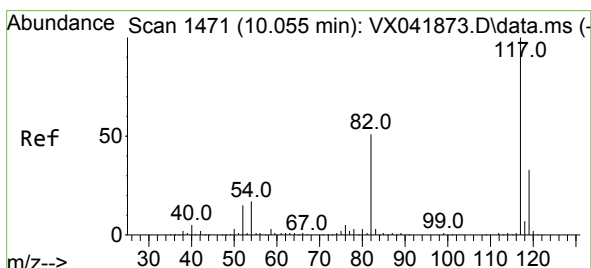
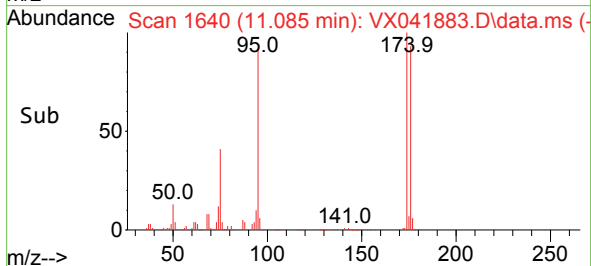
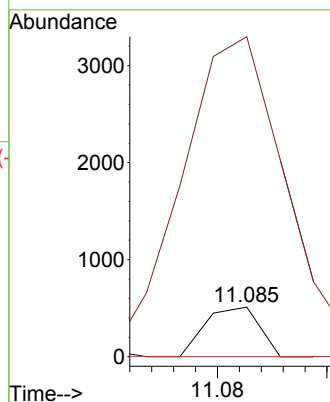
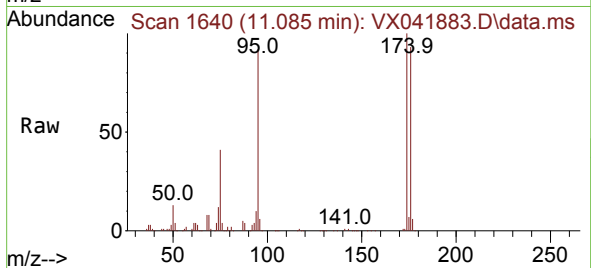
Acq: 14 Jun 2024 17:24

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:173	Resp:	351
Ion Ratio	Lower	Upper
173	100	
175	1261.8	39.3 58.9#
254	0.0	9.6 14.4#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

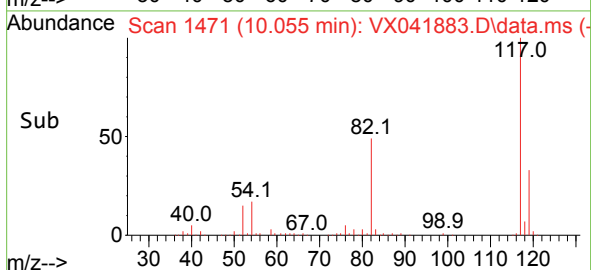
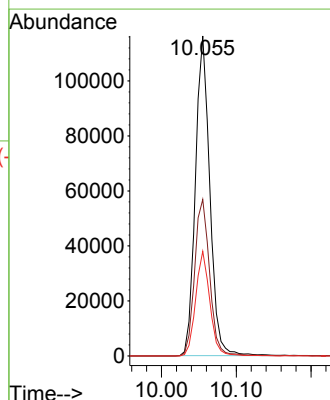
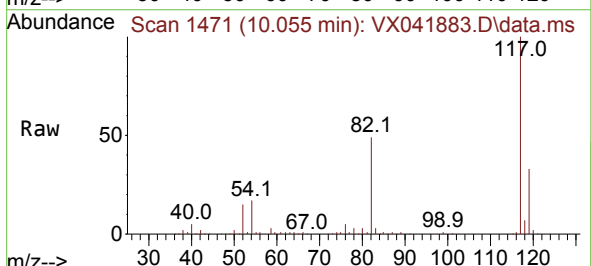
RT: 10.055 min Scan# 1471

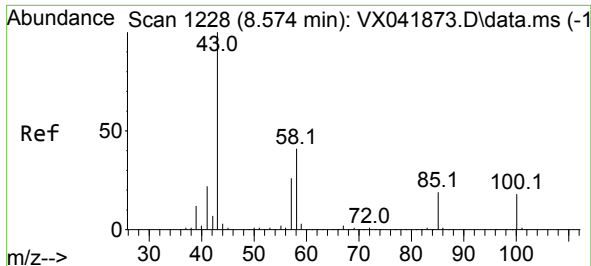
Delta R.T. 0.000 min

Lab File: VX041883.D

Acq: 14 Jun 2024 17:24

Tgt Ion:117	Resp:	155481
Ion Ratio	Lower	Upper
117	100	
82	50.9	41.1 61.7
119	32.4	26.1 39.1

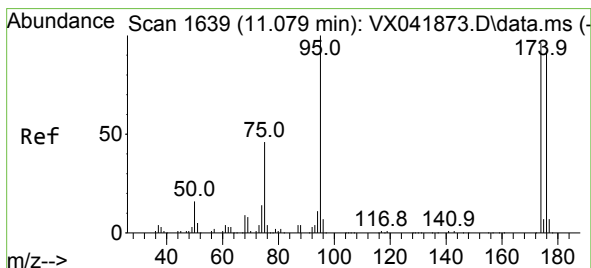
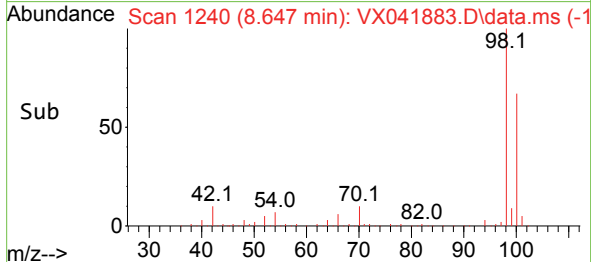
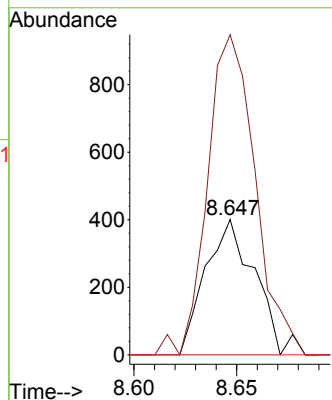
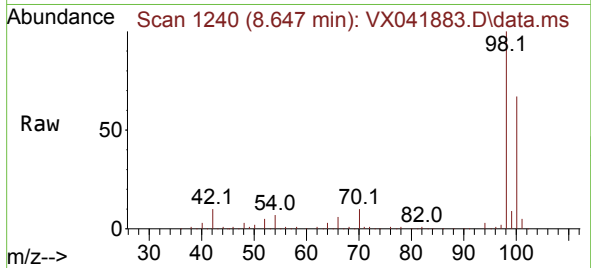




#58
4-Methyl-2-Pentanone
Concen: 0.234 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX041883.D
Acq: 14 Jun 2024 17:24

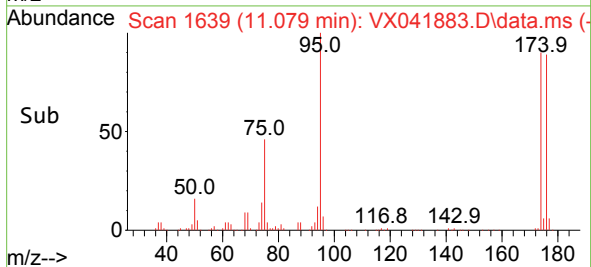
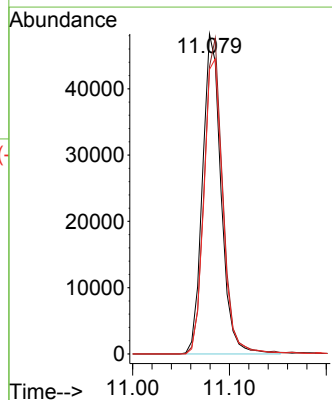
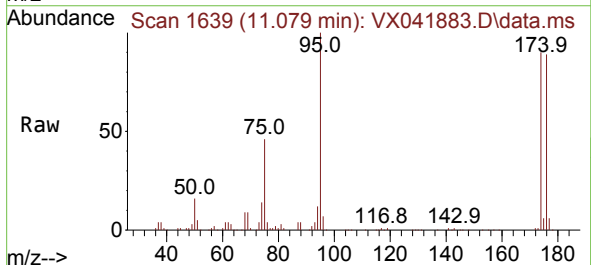
Instrument :
MSVOA_X
ClientSampleId :

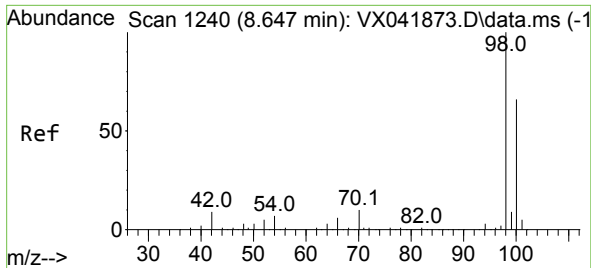
Tgt Ion: 43 Resp: 652
Ion Ratio Lower Upper
43 100
58 231.9 33.2 49.8#
85 0.0 15.5 23.3#



#60
4-Bromofluorobenzene
Concen: 26.762 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX041883.D
Acq: 14 Jun 2024 17:24

Tgt Ion: 95 Resp: 64408
Ion Ratio Lower Upper
95 100
174 97.9 78.9 118.3
176 94.3 77.1 115.7

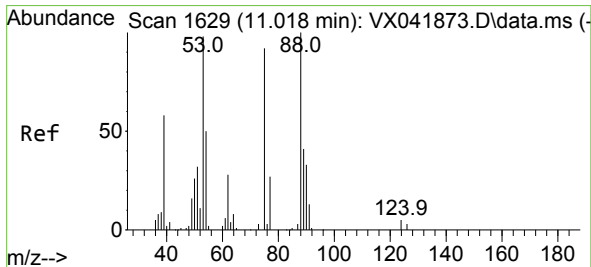
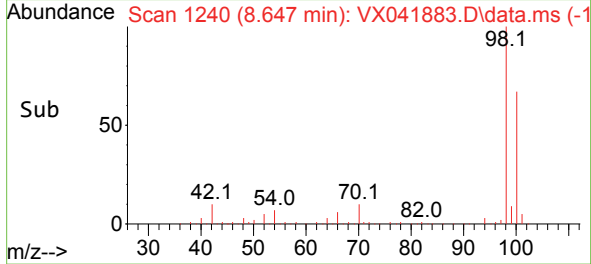
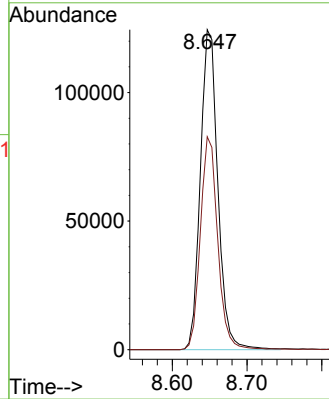
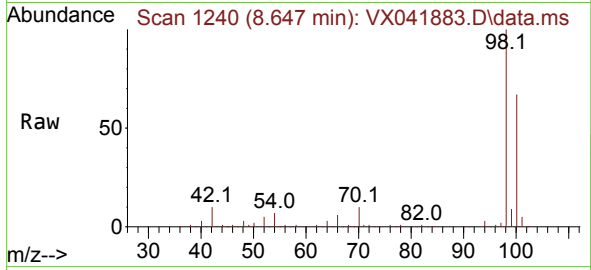




#63
Toluene-d8
Concen: 30.397 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX041883.D
Acq: 14 Jun 2024 17:24

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 98 Resp: 202202
Ion Ratio Lower Upper
98 100
100 65.9 52.7 79.1



#77
t-1,4-Dichloro-2-butene
Concen: 32.508 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX041883.D
Acq: 14 Jun 2024 17:24

Tgt Ion: 75 Resp: 29238
Ion Ratio Lower Upper
75 100
53 0.0 53.4 160.2#
89 0.0 22.5 67.5#

