

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052824\
 Data File : VX041656.D
 Acq On : 28 May 2024 11:39
 Operator : JC/MD
 Sample : P2618-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 29 05:39:03 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X051524W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 16 05:13:13 2024
 Response via : Initial Calibration

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

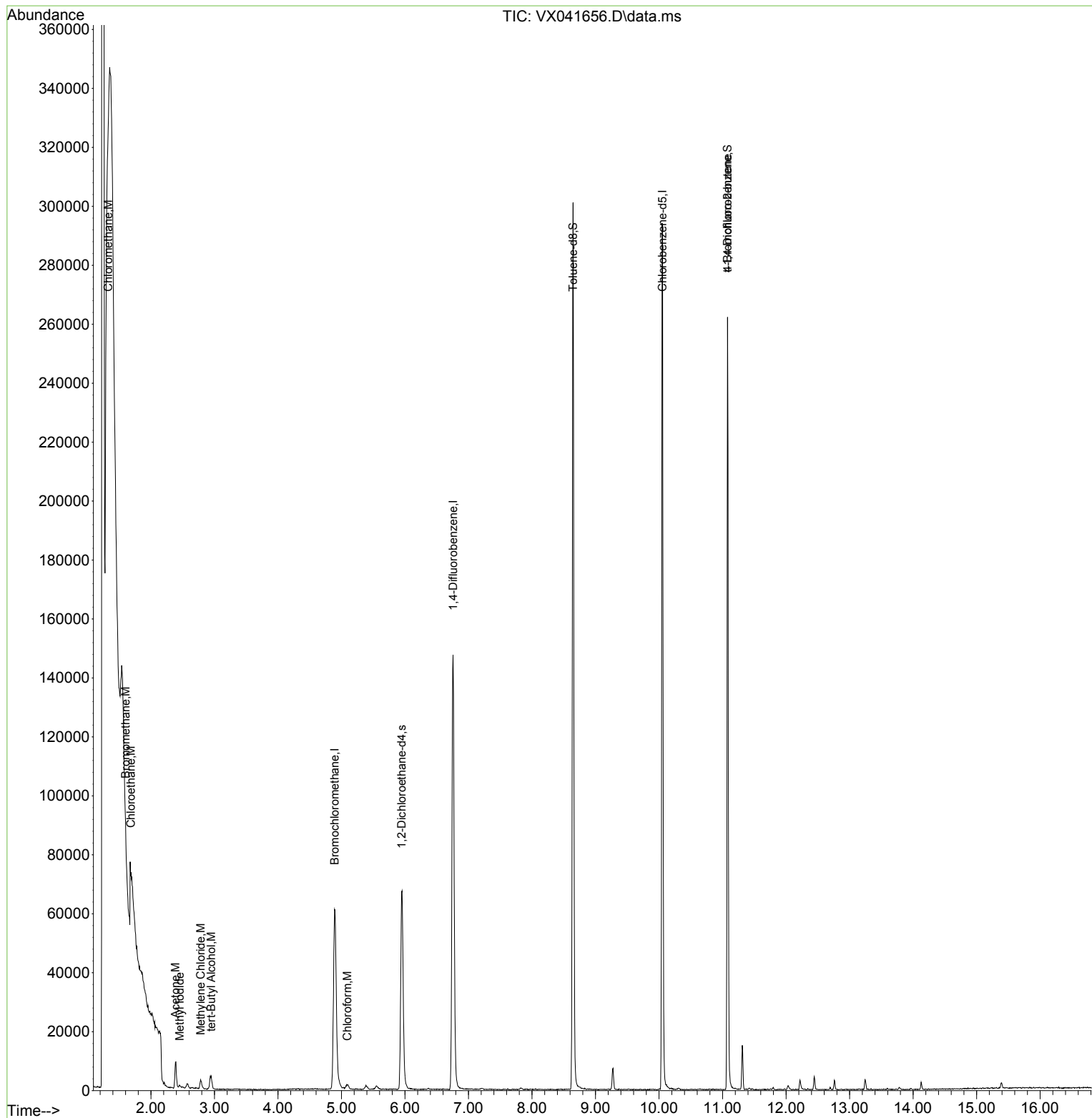
Internal Standards						
1) Bromochloromethane	4.891	128	28627	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	158535	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	142659	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.946	65	68242	30.271	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	100.900%
60) 4-Bromofluorobenzene	11.079	95	64323	28.883	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	96.267%
63) Toluene-d8	8.647	98	177969	29.103	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	97.000%
Target Compounds						
					Qvalue	
3) Chloromethane	1.325	50	7610	4.641	ug/l #	42
5) Bromomethane	1.599	94	1053	0.959	ug/l	90
6) Chloroethane	1.685	64	74815	85.720	ug/l #	48
11) Methyl Iodide	2.453	142	1422	0.815	ug/l	99
15) Acetone	2.386	58	2950	11.353	ug/l	84
18) Methylene Chloride	2.782	84	1544	0.886	ug/l	94
23) tert-Butyl Alcohol	2.947	59	3044	7.396	ug/l #	100
25) Chloroform	5.093	83	1924	0.589	ug/l	100
77) t-1,4-Dichloro-2-butene	11.079	75	33331	43.660	ug/l #	1

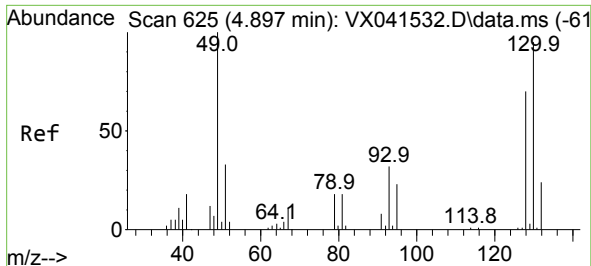
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_X
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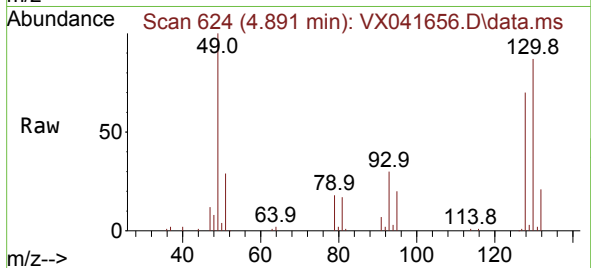
Quant Time: May 29 05:39:03 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X051524W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu May 16 05:13:13 2024
Response via : Initial Calibration



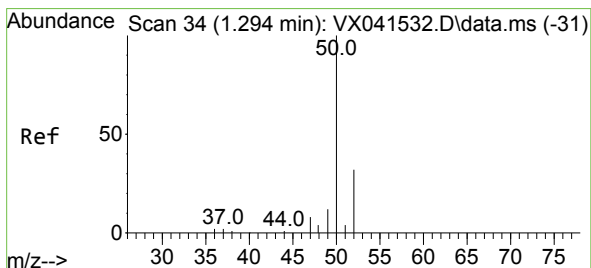
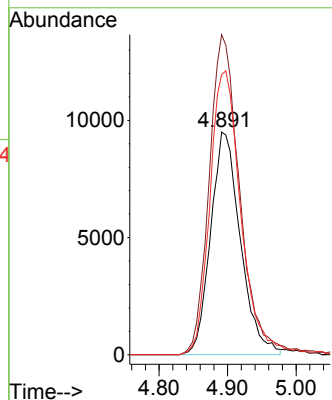
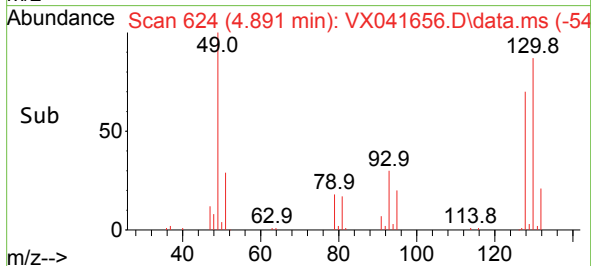


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.891 min Scan# 61
Delta R.T. -0.006 min
Lab File: VX041656.D
Acq: 28 May 2024 11:39

Instrument :
MSVOA_X
ClientSampleId :

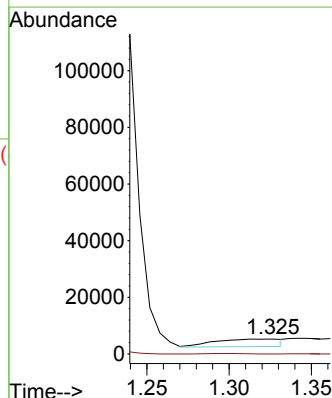
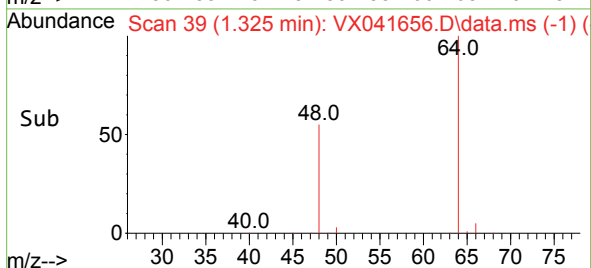
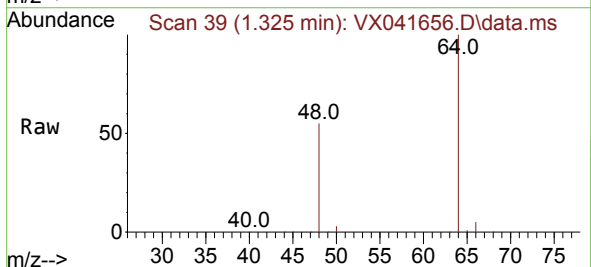


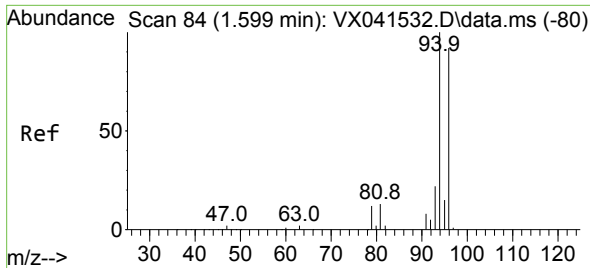
Tgt Ion:128 Resp: 28627
Ion Ratio Lower Upper
128 100
49 147.1 0.0 361.5
130 133.6 0.0 324.3



#3
Chloromethane
Concen: 4.641 ug/l
RT: 1.325 min Scan# 39
Delta R.T. 0.031 min
Lab File: VX041656.D
Acq: 28 May 2024 11:39

Tgt Ion: 50 Resp: 7610
Ion Ratio Lower Upper
50 100
52 0.0 25.8 38.8#

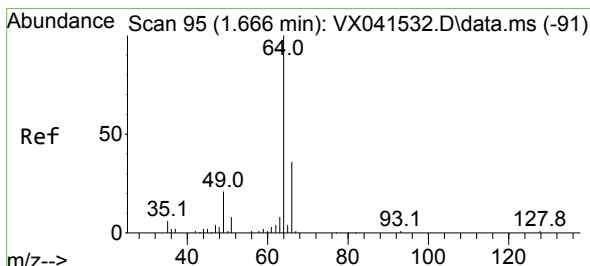
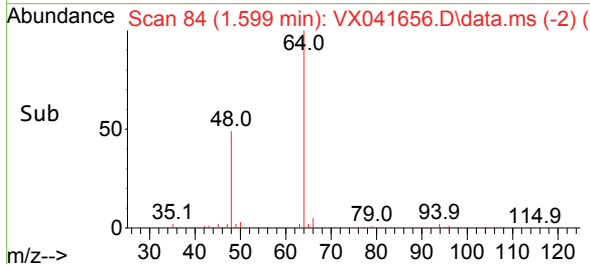
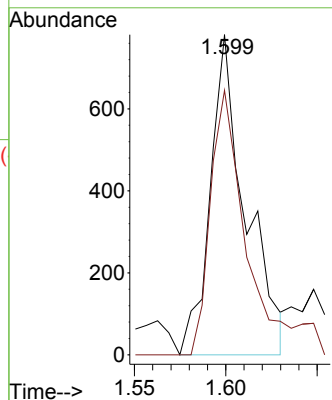
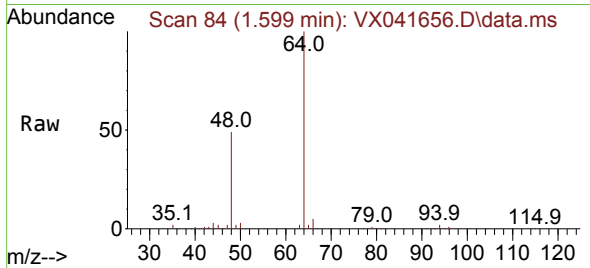




#5
Bromomethane
Concen: 0.959 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.000 min
Lab File: VX041656.D
Acq: 28 May 2024 11:39

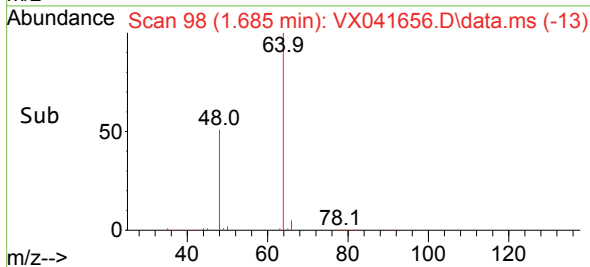
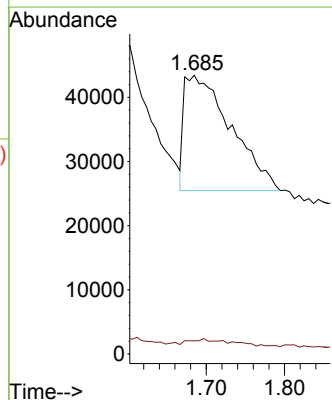
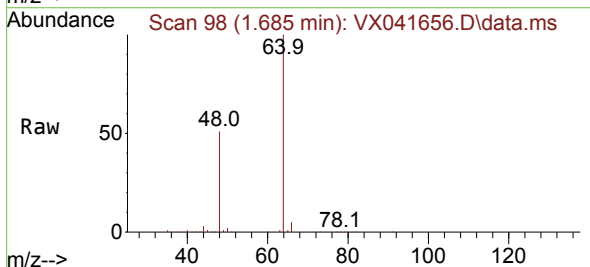
Instrument :
MSVOA_X
ClientSampleId :

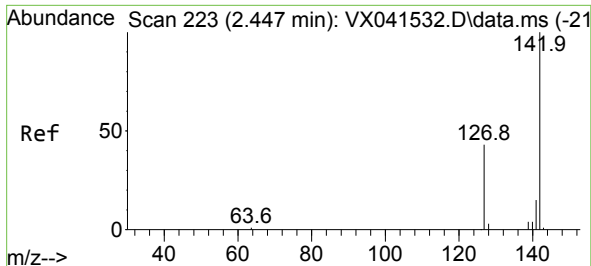
Tgt Ion: 94 Resp: 1053
Ion Ratio Lower Upper
94 100
96 82.6 73.9 110.9



#6
Chloroethane
Concen: 85.720 ug/l
RT: 1.685 min Scan# 98
Delta R.T. 0.018 min
Lab File: VX041656.D
Acq: 28 May 2024 11:39

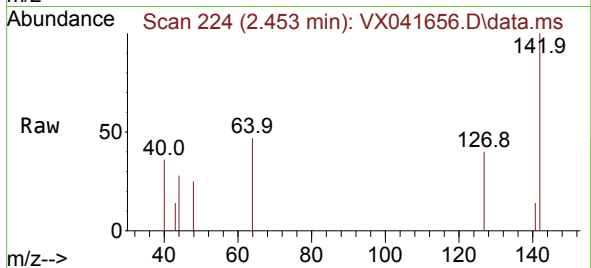
Tgt Ion: 64 Resp: 74815
Ion Ratio Lower Upper
64 100
66 5.0 28.6 42.8#



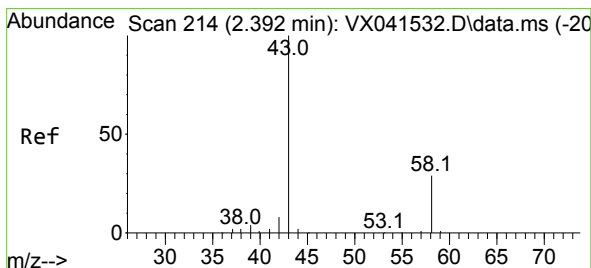
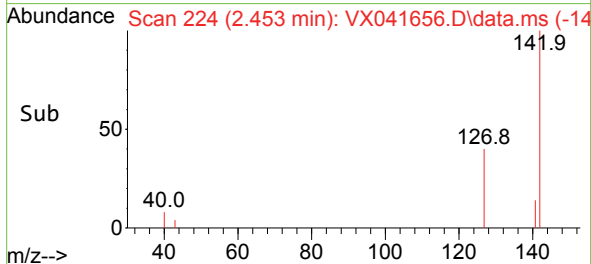
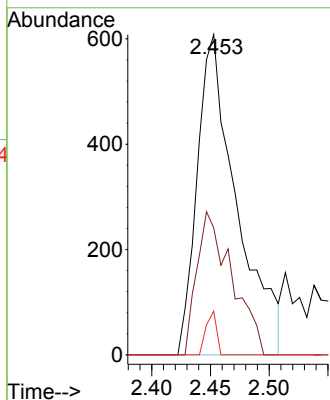


#11
Methyl Iodide
Concen: 0.815 ug/l
RT: 2.453 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX041656.D
Acq: 28 May 2024 11:39

Instrument :
MSVOA_X
ClientSampleId :

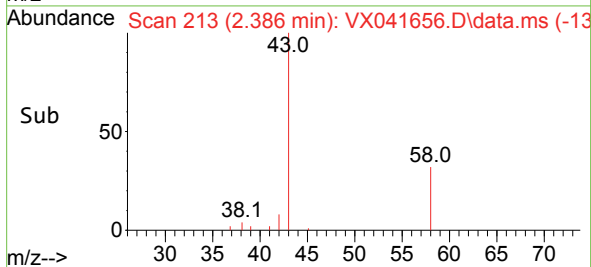
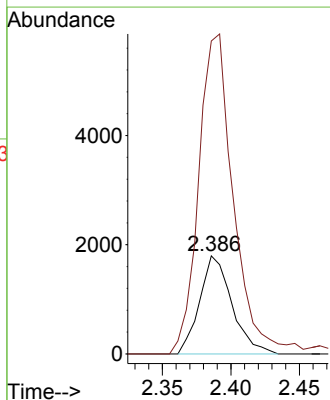
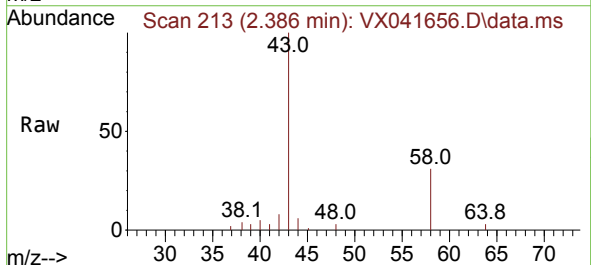


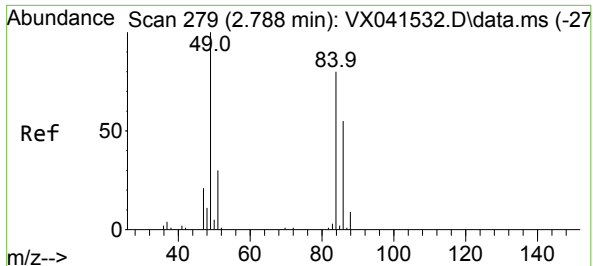
Tgt Ion:142 Resp: 1422
Ion Ratio Lower Upper
142 100
127 43.1 21.4 64.2
141 14.8 7.6 22.8



#15
Acetone
Concen: 11.353 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX041656.D
Acq: 28 May 2024 11:39

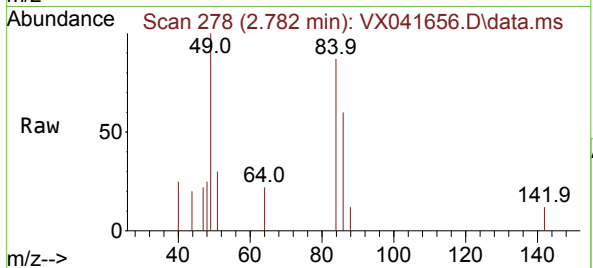
Tgt Ion: 58 Resp: 2950
Ion Ratio Lower Upper
58 100
43 308.9 274.0 411.0



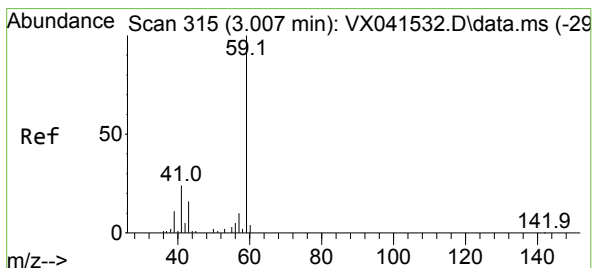
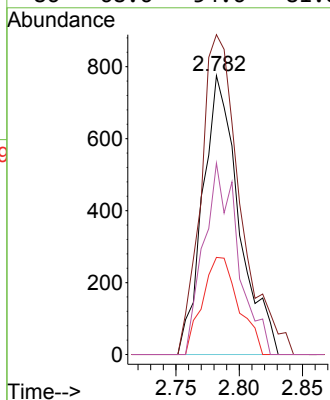
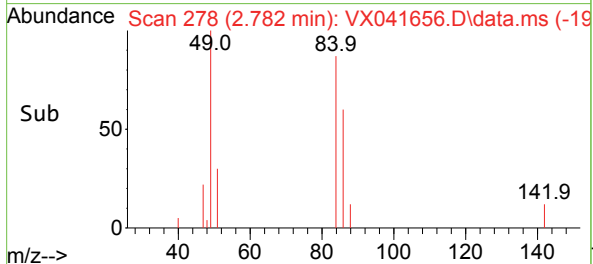


#18
Methylene Chloride
Concen: 0.886 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX041656.D
Acq: 28 May 2024 11:39

Instrument :
MSVOA_X
ClientSampleId :

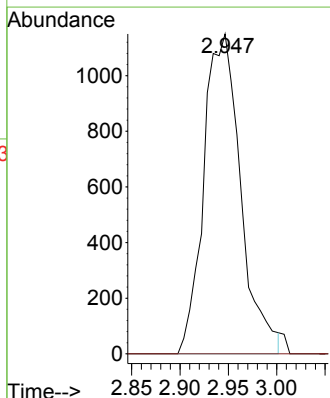
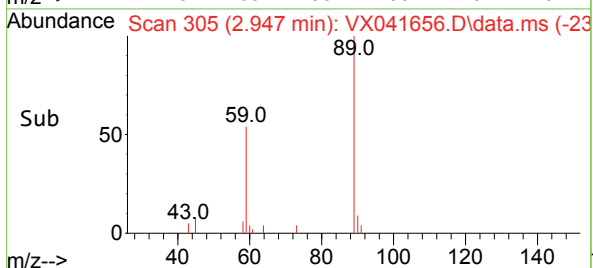
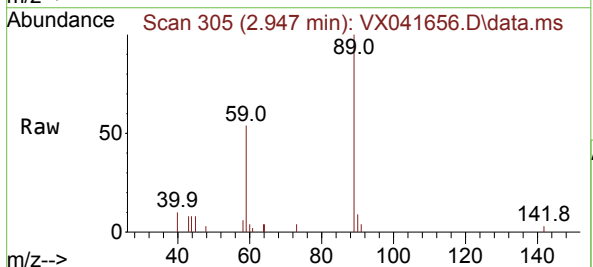


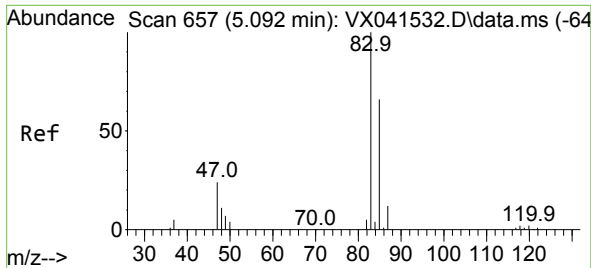
Tgt Ion:	84	Resp:	1544
Ion	Ratio	Lower	Upper
84	100		
49	114.7	99.8	149.8
51	34.8	30.2	45.4
86	68.6	54.6	81.8



#23
tert-Butyl Alcohol
Concen: 7.396 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.061 min
Lab File: VX041656.D
Acq: 28 May 2024 11:39

Tgt Ion:	59	Resp:	3044
Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

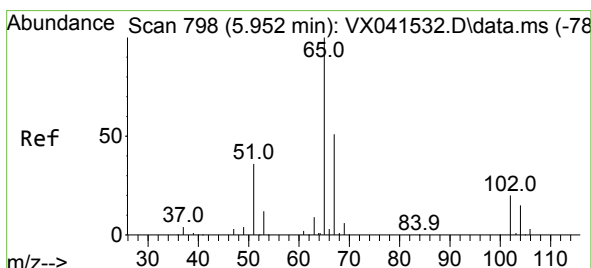
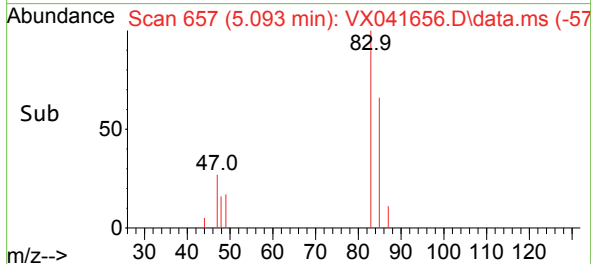
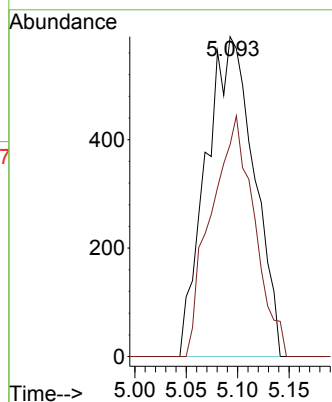
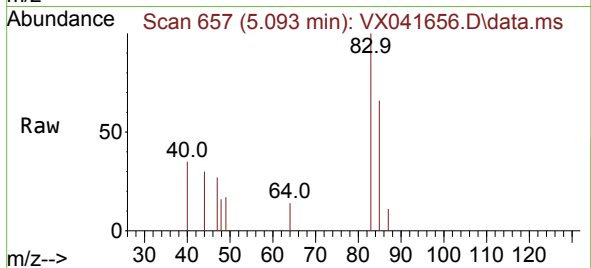




#25
Chloroform
Concen: 0.589 ug/l
RT: 5.093 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX041656.D
Acq: 28 May 2024 11:39

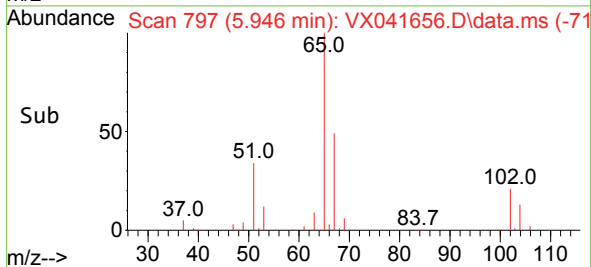
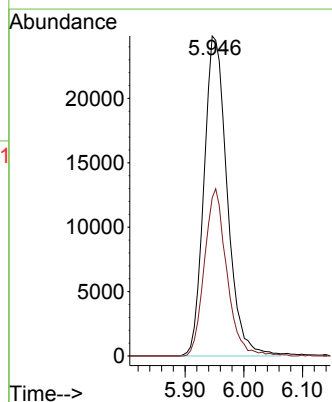
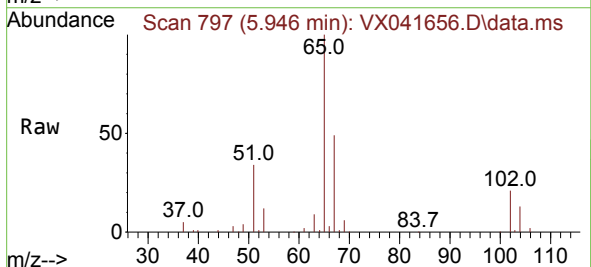
Instrument :
MSVOA_X
ClientSampleId :

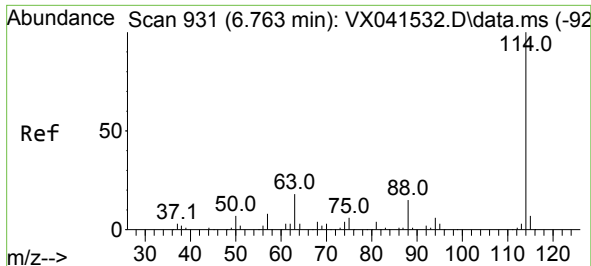
Tgt Ion: 83 Resp: 1924
Ion Ratio Lower Upper
83 100
85 66.3 52.9 79.3



#27
1,2-Dichloroethane-d4
Concen: 30.271 ug/l
RT: 5.946 min Scan# 797
Delta R.T. -0.006 min
Lab File: VX041656.D
Acq: 28 May 2024 11:39

Tgt Ion: 65 Resp: 68242
Ion Ratio Lower Upper
65 100
67 49.3 40.8 61.2

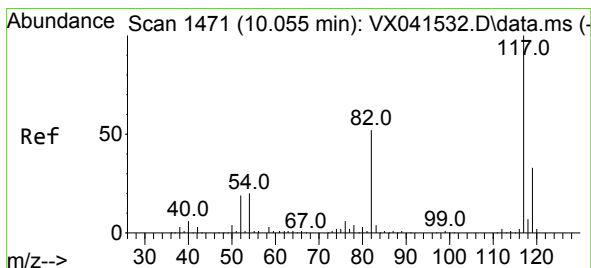
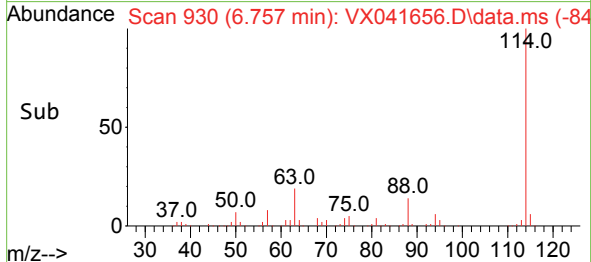
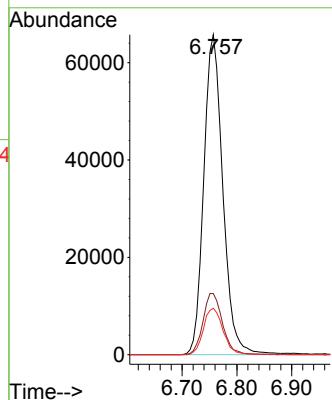
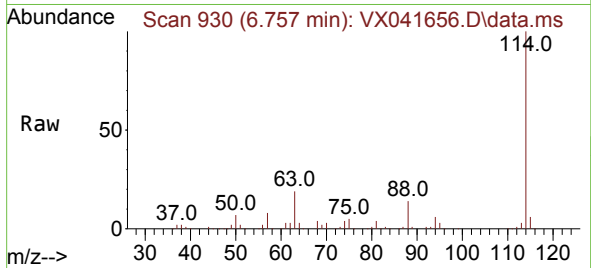




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX041656.D
Acq: 28 May 2024 11:39

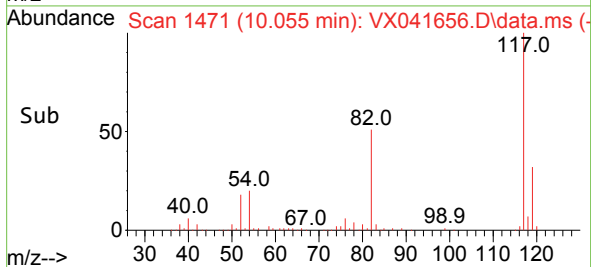
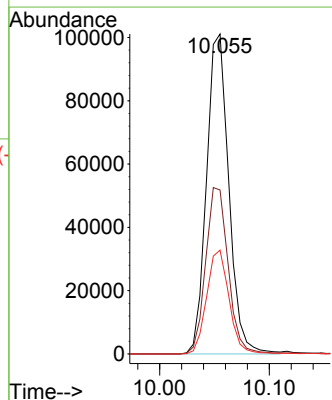
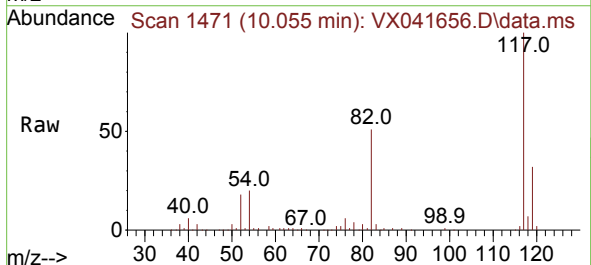
Instrument :
MSVOA_X
ClientSampleId :

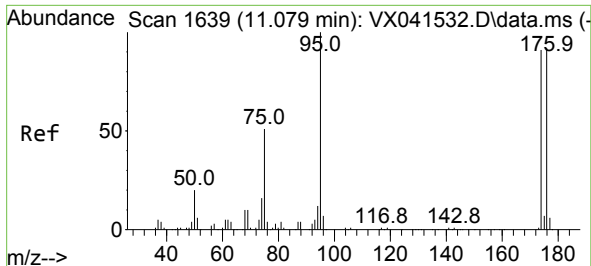
Tgt Ion:114 Resp: 158535
Ion Ratio Lower Upper
114 100
63 19.6 15.4 23.0
88 14.8 12.2 18.2



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX041656.D
Acq: 28 May 2024 11:39

Tgt Ion:117 Resp: 142659
Ion Ratio Lower Upper
117 100
82 52.7 41.7 62.5
119 32.5 25.7 38.5

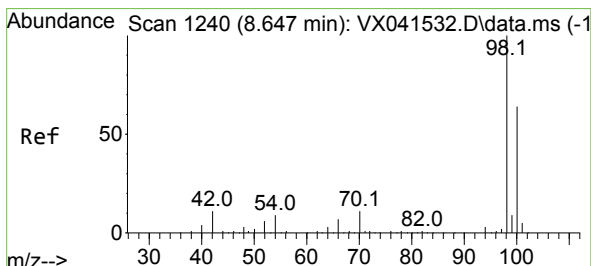
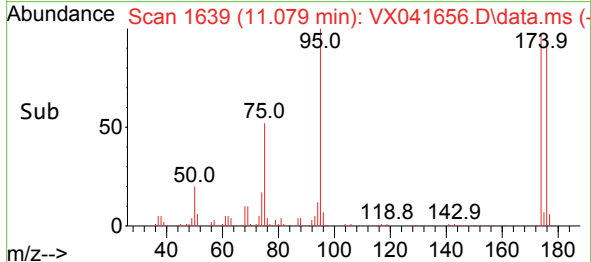
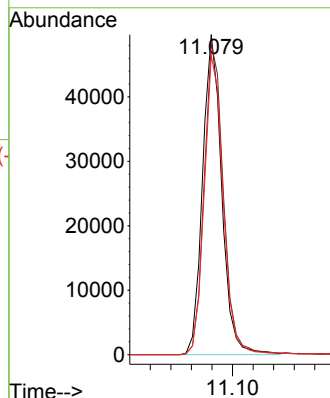
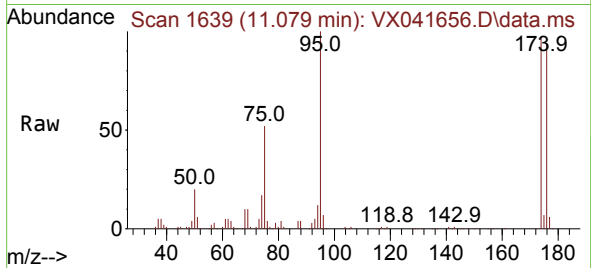




#60
4-Bromofluorobenzene
Concen: 28.883 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX041656.D
Acq: 28 May 2024 11:39

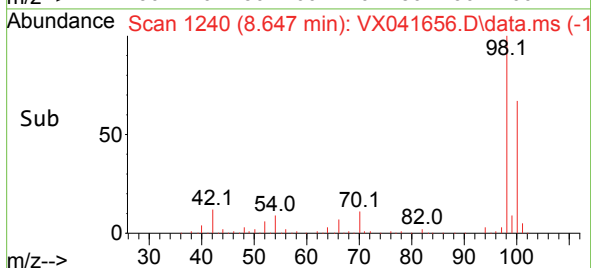
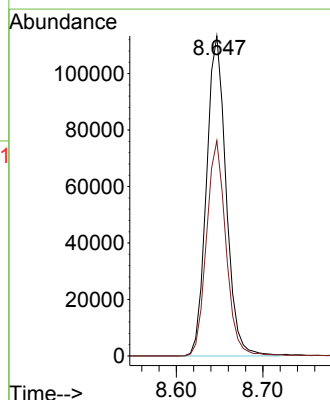
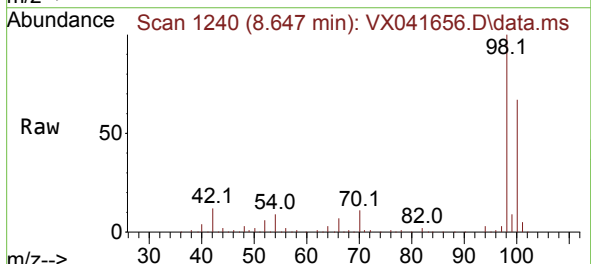
Instrument :
MSVOA_X
ClientSampleId :

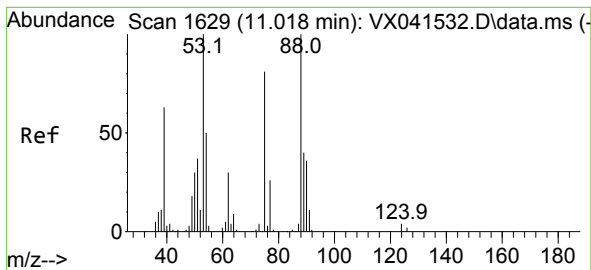
Tgt Ion: 95 Resp: 64323
Ion Ratio Lower Upper
95 100
174 98.8 76.6 115.0
176 93.1 75.4 113.0



#63
Toluene-d8
Concen: 29.103 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX041656.D
Acq: 28 May 2024 11:39

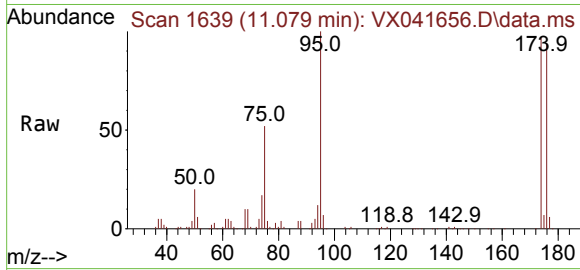
Tgt Ion: 98 Resp: 177969
Ion Ratio Lower Upper
98 100
100 66.5 53.1 79.7





#77
t-1,4-Dichloro-2-butene
Concen: 43.660 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX041656.D
Acq: 28 May 2024 11:39

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 75 Resp: 33331
Ion Ratio Lower Upper
75 100
53 0.0 61.8 185.3#
89 0.0 24.9 74.7#

