

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070924\
 Data File : VX042249.D
 Acq On : 09 Jul 2024 16:02
 Operator : JC/MD
 Sample : P3188-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 10 04:58:27 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)

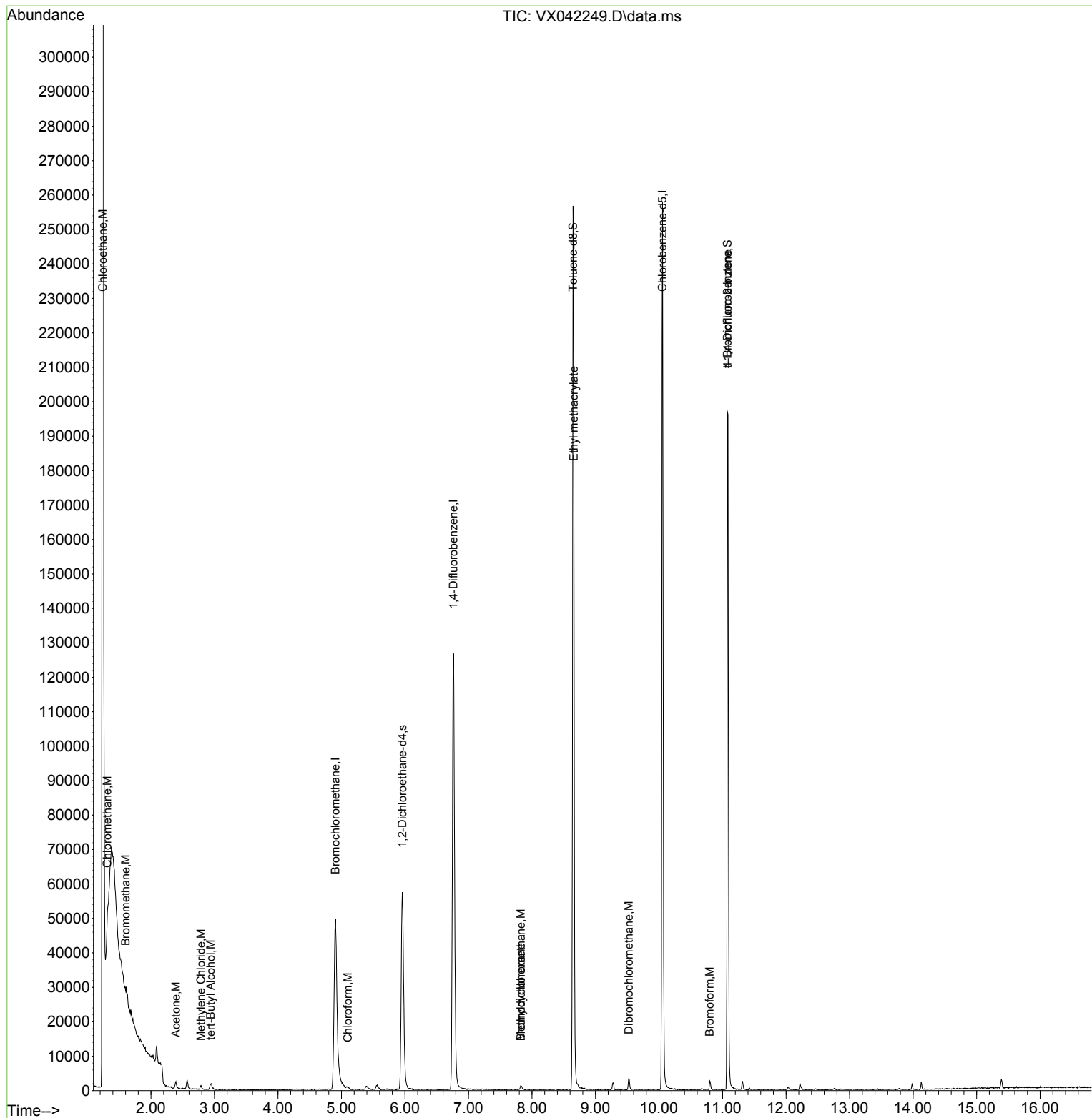
Internal Standards						
1) Bromochloromethane	4.903	128	27307	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	142589	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	130276	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	55696	29.629	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	98.767%
60) 4-Bromofluorobenzene	11.079	95	54049	26.802	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	89.333%
63) Toluene-d8	8.647	98	162442	29.145	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	97.133%
Target Compounds						
					Qvalue	
3) Chloromethane	1.313	50	526	0.266	ug/l #	41
5) Bromomethane	1.599	94	291	0.282	ug/l	82
6) Chloroethane	1.239	64	910410	1102.752	ug/l #	50
15) Acetone	2.392	58	687	2.378	ug/l	77
18) Methylene Chloride	2.788	84	477	0.249	ug/l #	80
23) tert-Butyl Alcohol	2.940	59	690	1.838	ug/l #	100
25) Chloroform	5.098	83	643	0.213	ug/l #	67
38) Methylcyclohexane	7.824	83	1064	0.432	ug/l #	18
41) Bromodichloromethane	7.824	83	1111	0.568	ug/l #	92
51) Ethyl methacrylate	8.659	69	536	0.212	ug/l	91
53) Dibromochloromethane	9.525	129	1808	1.040	ug/l	97
56) Bromoform	10.799	173	1200	0.847	ug/l #	90
77) t-1,4-Dichloro-2-butene	11.079	75	25353	33.642	ug/l #	7

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

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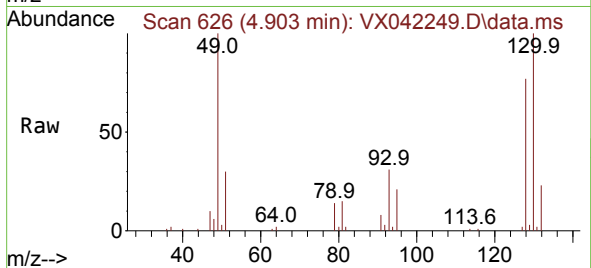
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X061424W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Jun 15 04:02:59 2024
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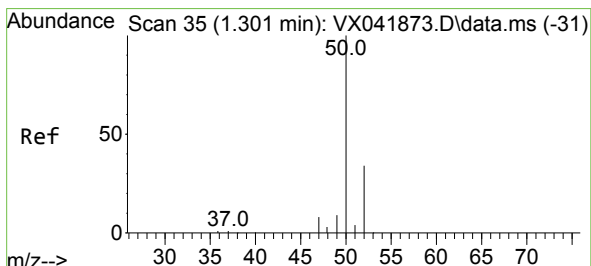
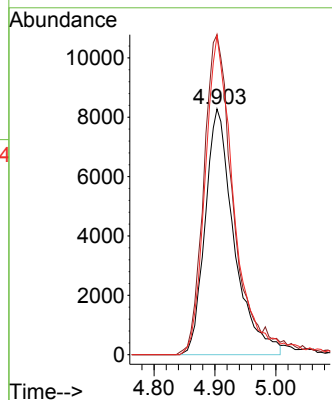
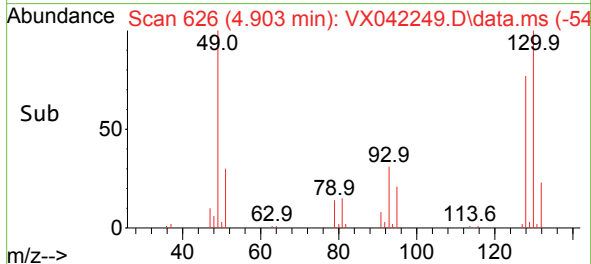


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.903 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX042249.D
Acq: 09 Jul 2024 16:02

Instrument :
MSVOA_X
ClientSampleId :

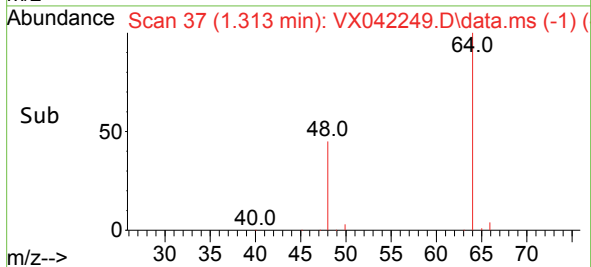
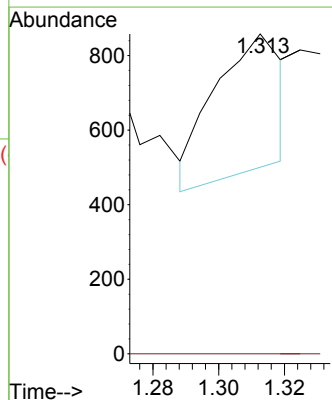
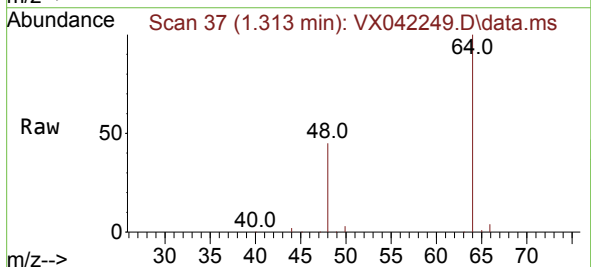


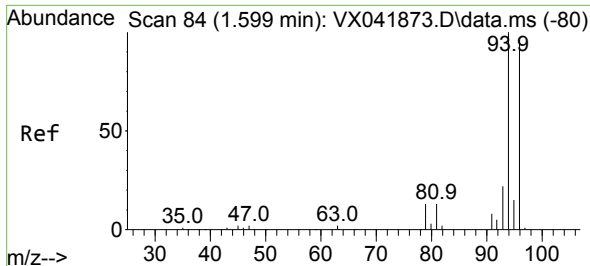
Tgt Ion:128 Resp: 27307
Ion Ratio Lower Upper
128 100
49 128.4 0.0 338.5
130 126.1 0.0 324.5



#3
Chloromethane
Concen: 0.266 ug/l
RT: 1.313 min Scan# 37
Delta R.T. 0.012 min
Lab File: VX042249.D
Acq: 09 Jul 2024 16:02

Tgt Ion: 50 Resp: 526
Ion Ratio Lower Upper
50 100
52 0.0 26.9 40.3#

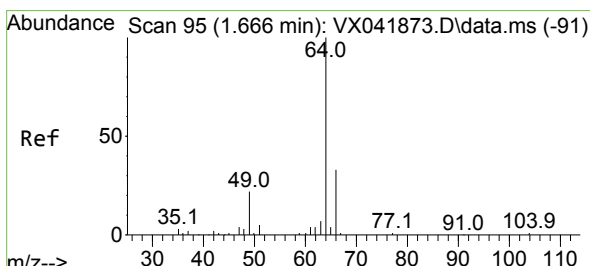
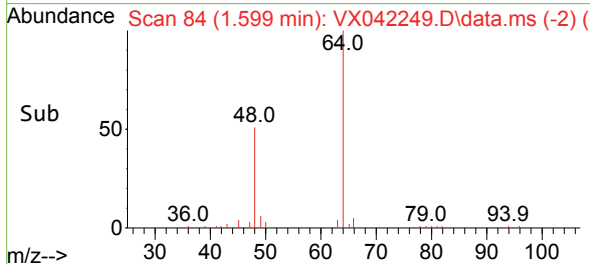
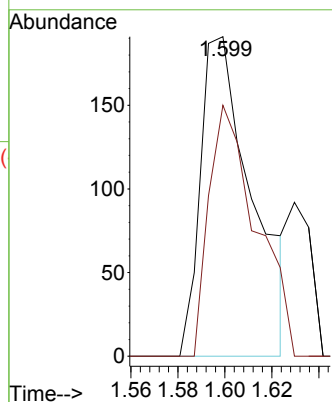
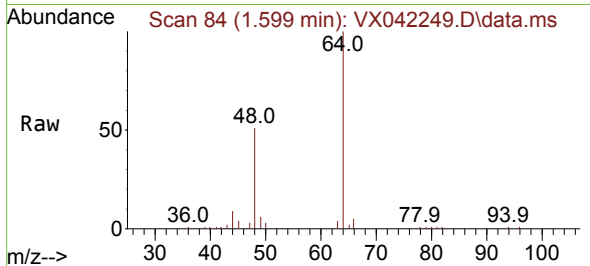




#5
Bromomethane
Concen: 0.282 ug/l
RT: 1.599 min Scan# 84
Delta R.T. -0.000 min
Lab File: VX042249.D
Acq: 09 Jul 2024 16:02

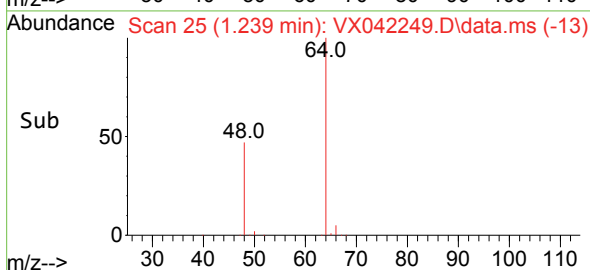
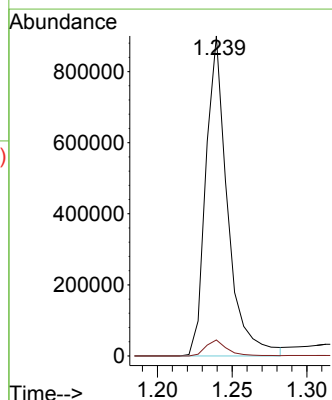
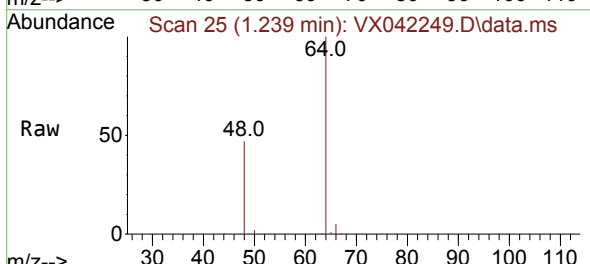
Instrument :
MSVOA_X
ClientSampleId :

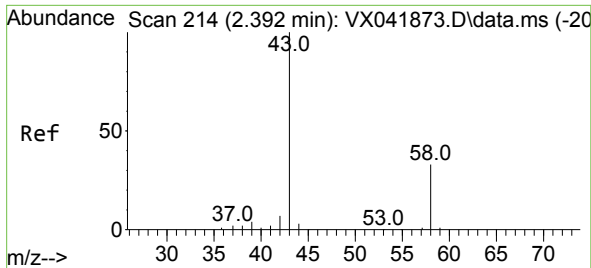
Tgt Ion: 94 Resp: 291
Ion Ratio Lower Upper
94 100
96 78.5 76.6 115.0



#6
Chloroethane
Concen: 1102.752 ug/l
RT: 1.239 min Scan# 25
Delta R.T. -0.427 min
Lab File: VX042249.D
Acq: 09 Jul 2024 16:02

Tgt Ion: 64 Resp: 910410
Ion Ratio Lower Upper
64 100
66 5.0 26.4 39.6#





#15

Acetone

Concen: 2.378 ug/l

RT: 2.392 min Scan# 214

Delta R.T. -0.000 min

Lab File: VX042249.D

Acq: 09 Jul 2024 16:02

Instrument :

MSVOA_X

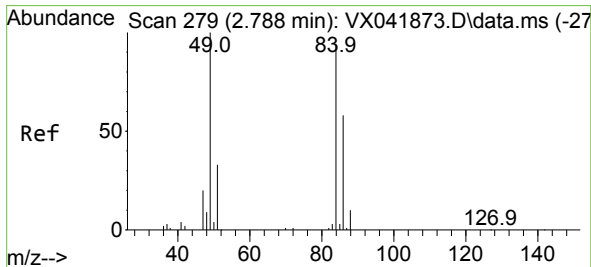
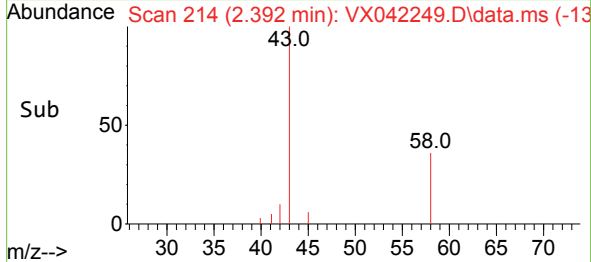
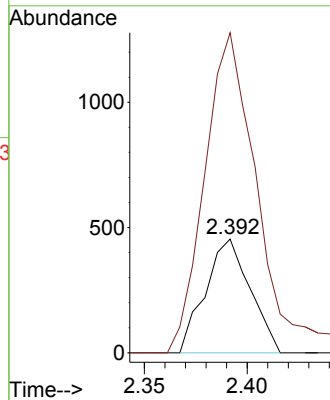
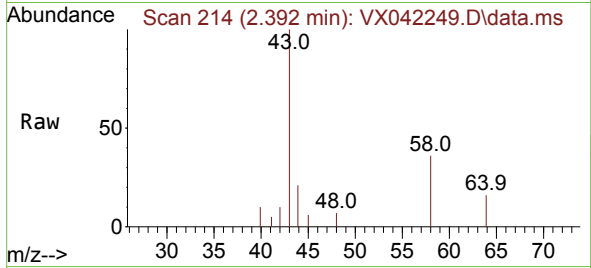
ClientSampleId :

Tgt Ion: 58 Resp: 687

Ion Ratio Lower Upper

58 100

43 258.6 243.4 365.2



#18

Methylene Chloride

Concen: 0.249 ug/l

RT: 2.788 min Scan# 279

Delta R.T. -0.000 min

Lab File: VX042249.D

Acq: 09 Jul 2024 16:02

Tgt Ion: 84 Resp: 477

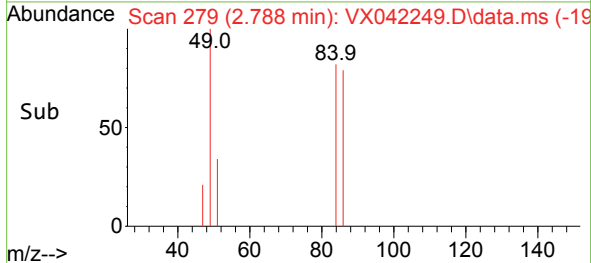
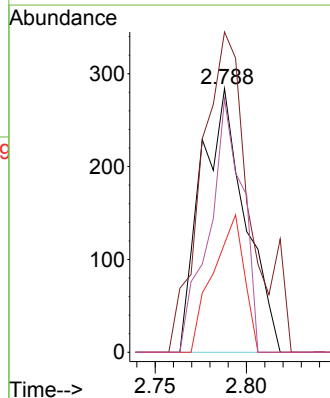
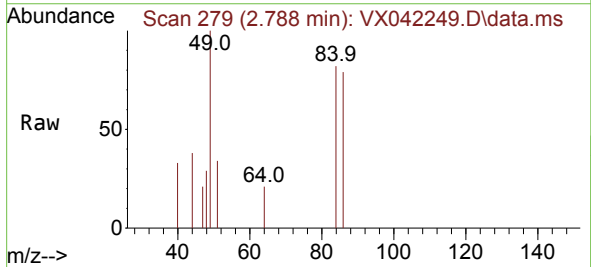
Ion Ratio Lower Upper

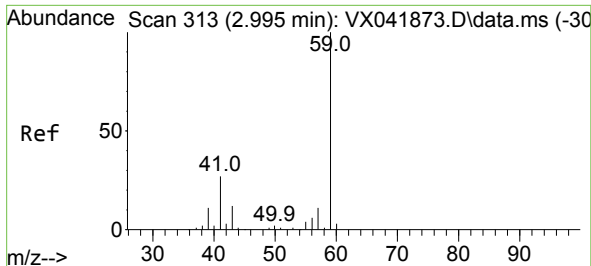
84 100

49 97.2 85.3 127.9

51 41.2 28.5 42.7

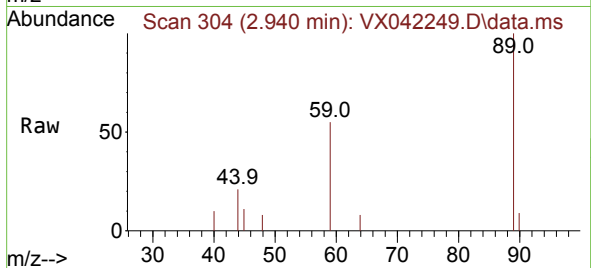
86 96.1 49.6 74.4#



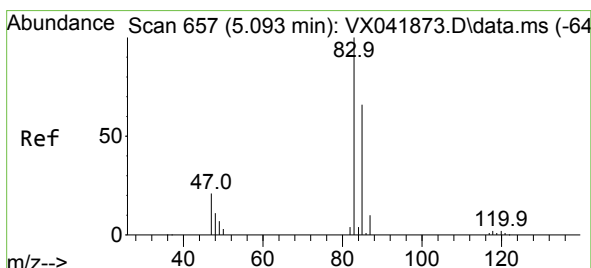
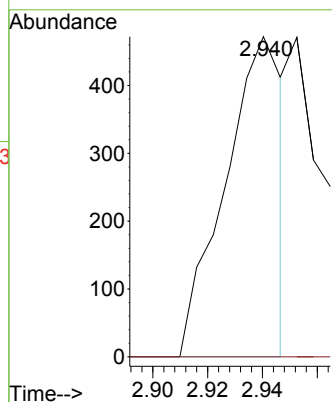
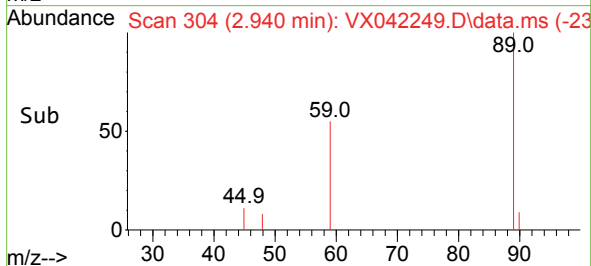


#23
tert-Butyl Alcohol
Concen: 1.838 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.055 min
Lab File: VX042249.D
Acq: 09 Jul 2024 16:02

Instrument :
MSVOA_X
ClientSampleId :

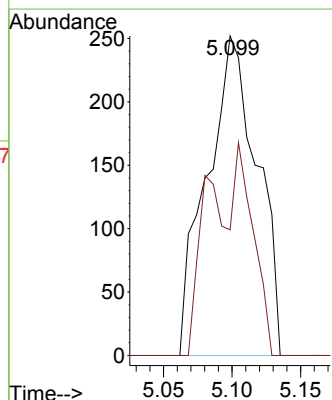
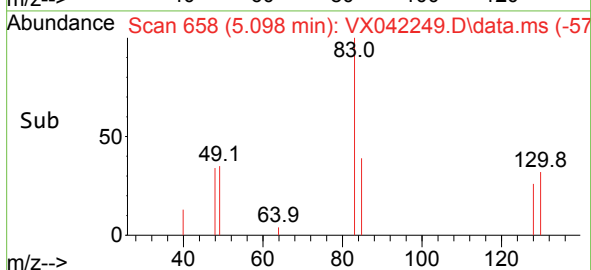
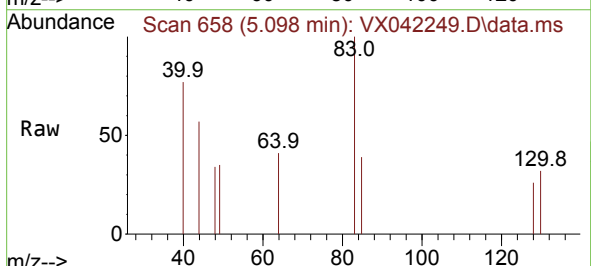


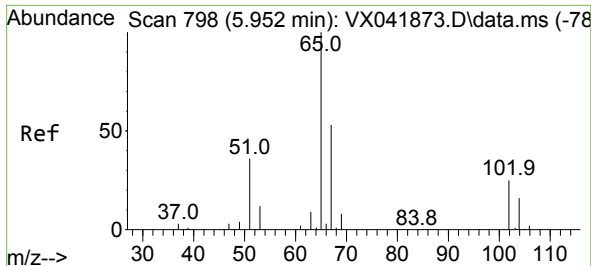
Tgt Ion: 59 Resp: 690
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



#25
Chloroform
Concen: 0.213 ug/l
RT: 5.098 min Scan# 658
Delta R.T. 0.006 min
Lab File: VX042249.D
Acq: 09 Jul 2024 16:02

Tgt Ion: 83 Resp: 643
Ion Ratio Lower Upper
83 100
85 39.3 52.7 79.1#

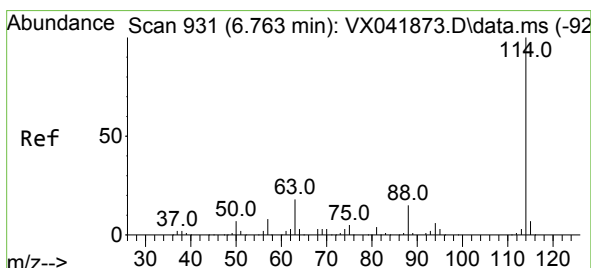
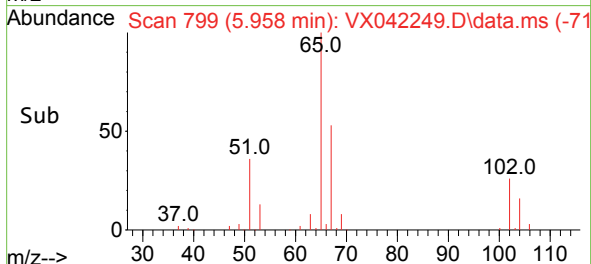
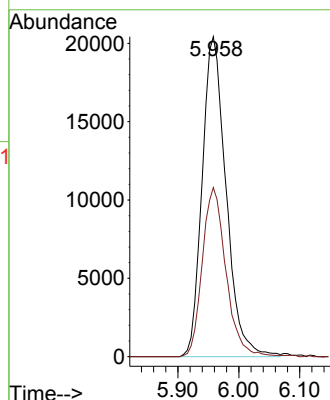
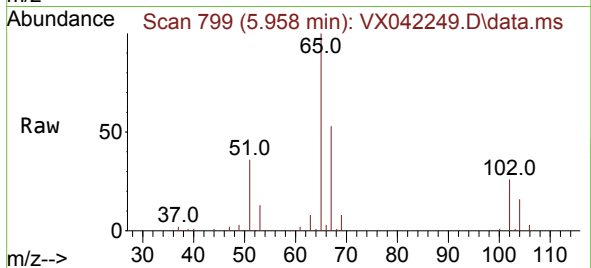




#27
 1,2-Dichloroethane-d4
 Concen: 29.629 ug/l
 RT: 5.958 min Scan# 798
 Delta R.T. 0.006 min
 Lab File: VX042249.D
 Acq: 09 Jul 2024 16:02

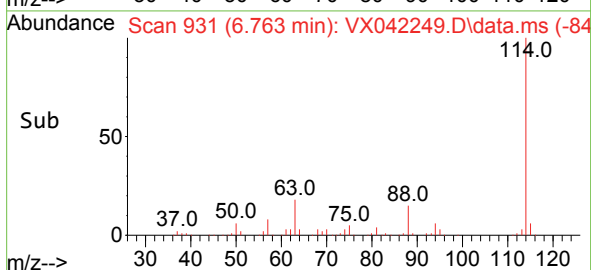
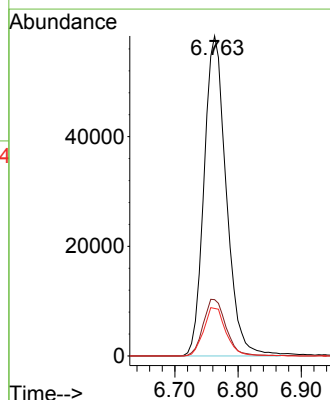
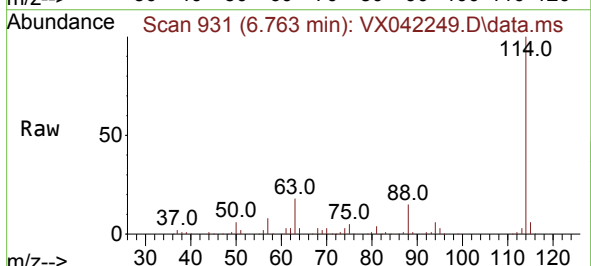
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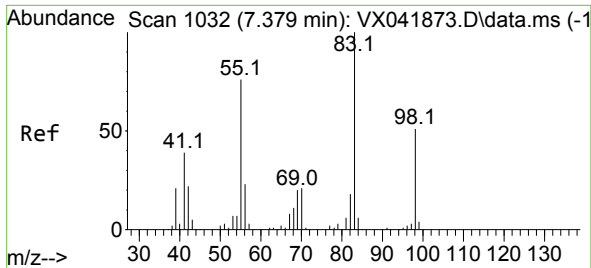
Tgt Ion: 65 Resp: 55696
 Ion Ratio Lower Upper
 65 100
 67 52.2 43.4 65.0



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. -0.000 min
 Lab File: VX042249.D
 Acq: 09 Jul 2024 16:02

Tgt Ion: 114 Resp: 142589
 Ion Ratio Lower Upper
 114 100
 63 18.1 14.6 21.8
 88 15.2 11.8 17.8

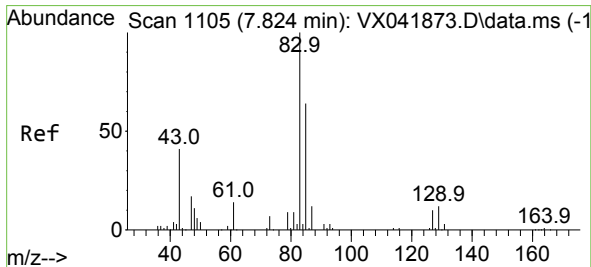
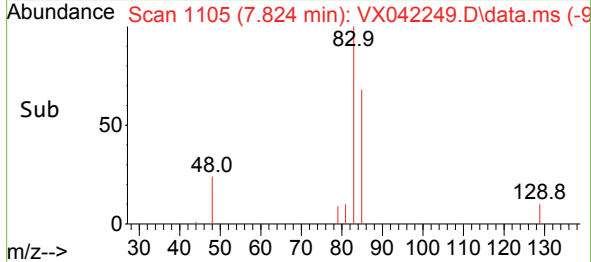
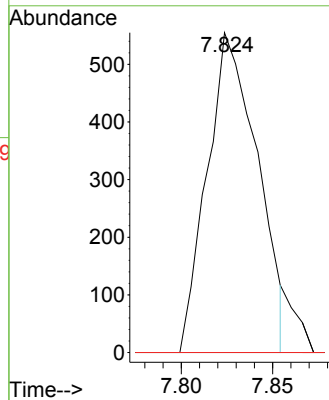
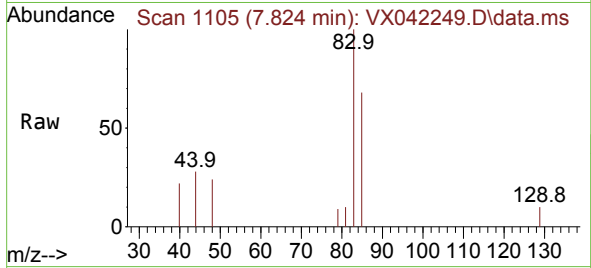




#38
Methylcyclohexane
Concen: 0.432 ug/l
RT: 7.824 min Scan# 1105
Delta R.T. 0.445 min
Lab File: VX042249.D
Acq: 09 Jul 2024 16:02

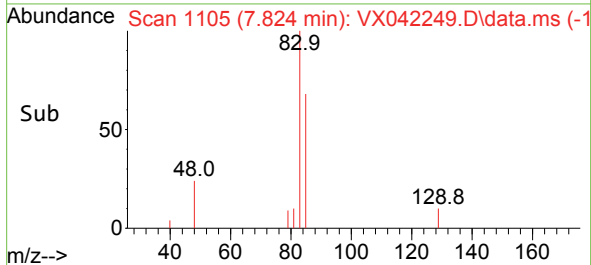
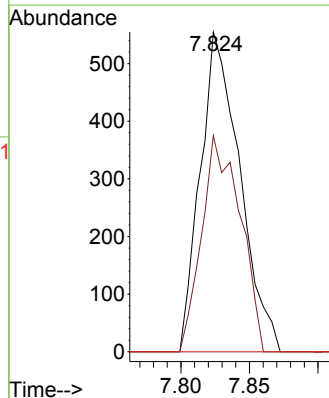
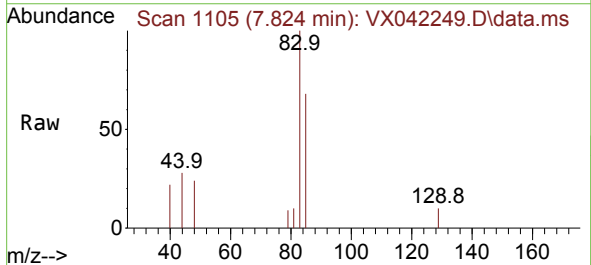
Instrument :
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ClientSampleId :

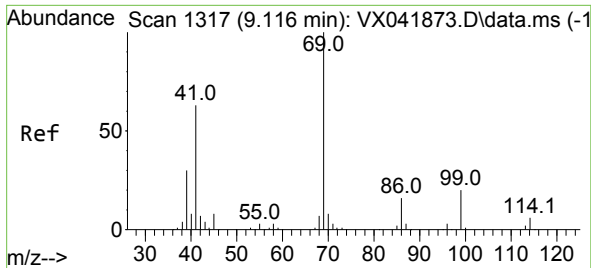
Tgt Ion: 83 Resp: 1064
Ion Ratio Lower Upper
83 100
55 0.0 37.3 111.9#
98 0.0 24.8 74.4#



#41
Bromodichloromethane
Concen: 0.568 ug/l
RT: 7.824 min Scan# 1105
Delta R.T. -0.000 min
Lab File: VX042249.D
Acq: 09 Jul 2024 16:02

Tgt Ion: 83 Resp: 1111
Ion Ratio Lower Upper
83 100
85 67.6 51.1 76.7
127 0.0 8.1 12.1#

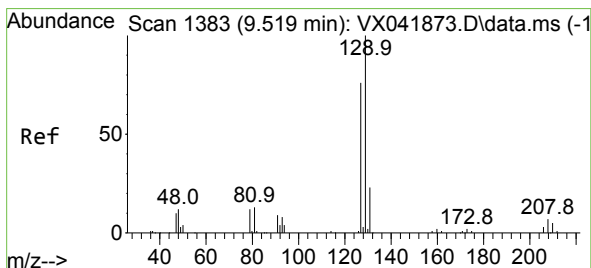
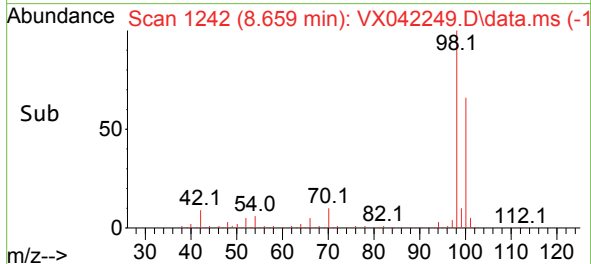
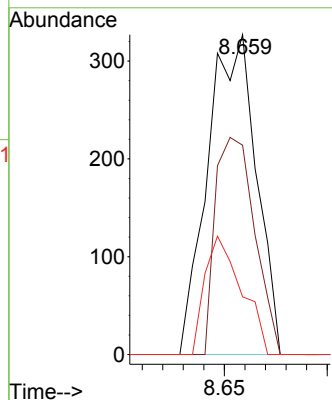
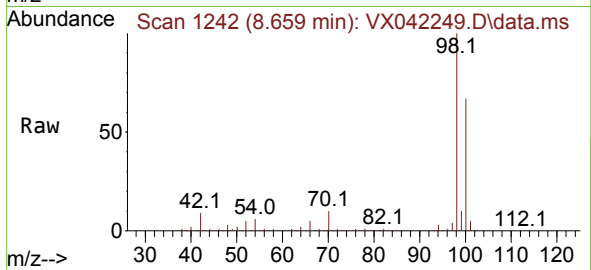




#51
Ethyl methacrylate
Concen: 0.212 ug/l
RT: 8.659 min Scan# 11
Delta R.T. -0.457 min
Lab File: VX042249.D
Acq: 09 Jul 2024 16:02

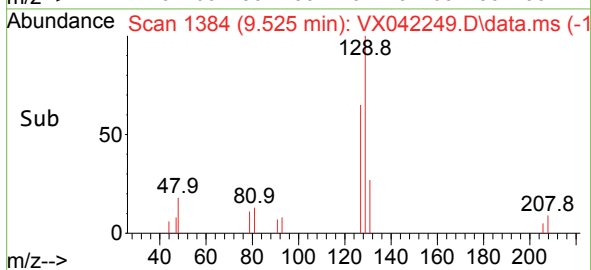
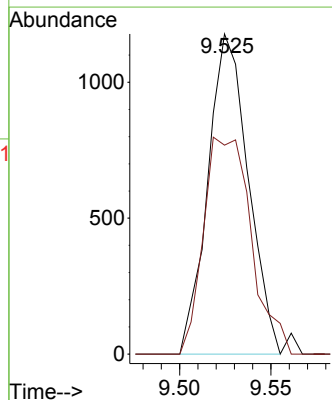
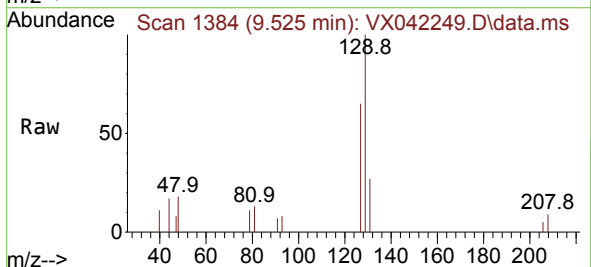
Instrument :
MSVOA_X
ClientSampleId :

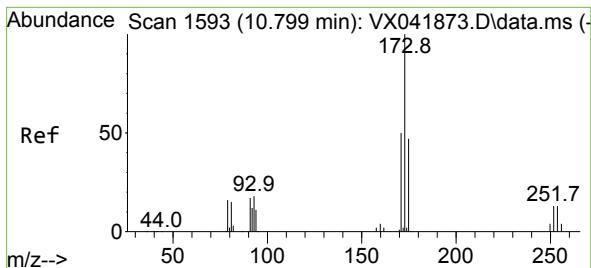
Tgt Ion: 69 Resp: 536
Ion Ratio Lower Upper
69 100
41 65.4 31.6 94.7
39 18.0 15.3 45.8



#53
Dibromochloromethane
Concen: 1.040 ug/l
RT: 9.525 min Scan# 1384
Delta R.T. 0.006 min
Lab File: VX042249.D
Acq: 09 Jul 2024 16:02

Tgt Ion:129 Resp: 1808
Ion Ratio Lower Upper
129 100
127 79.9 38.8 116.4





#56

Bromoform

Concen: 0.847 ug/l

RT: 10.799 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX042249.D

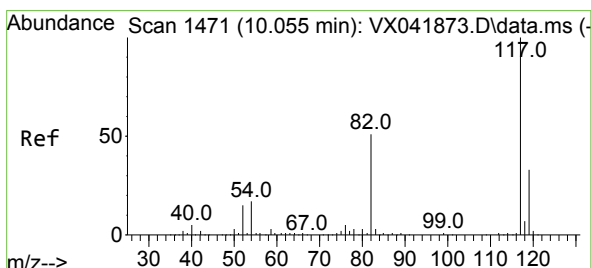
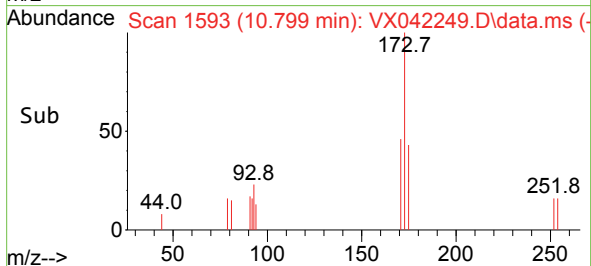
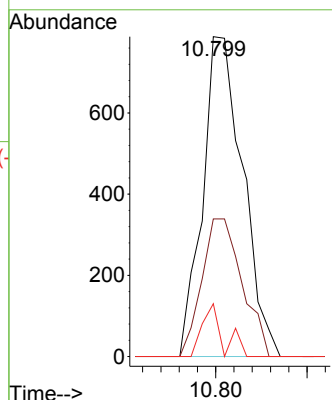
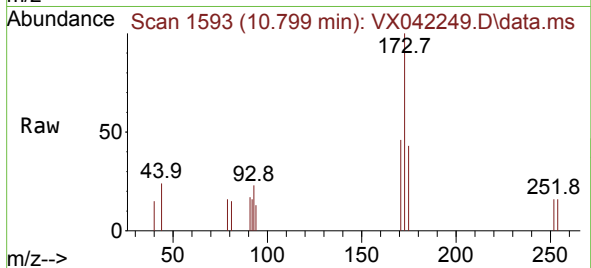
Acq: 09 Jul 2024 16:02

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:173	Resp:	1200
Ion Ratio	Lower	Upper
173	100	
175	43.4	39.3 58.9
254	6.4	9.6 14.4#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

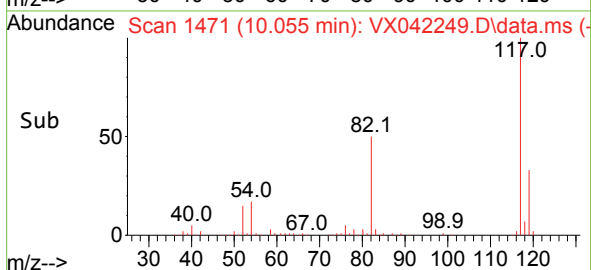
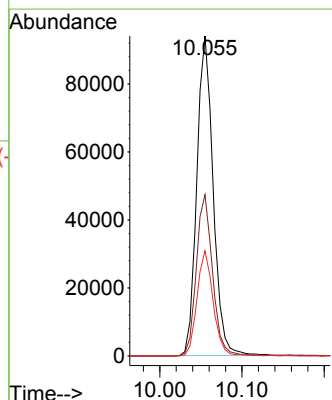
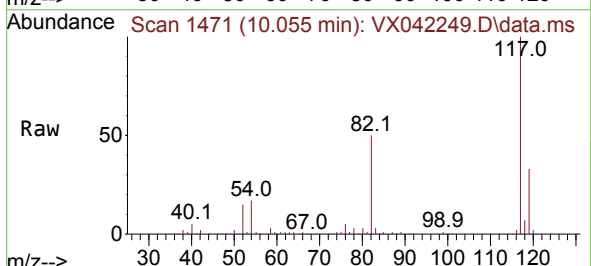
RT: 10.055 min Scan# 1471

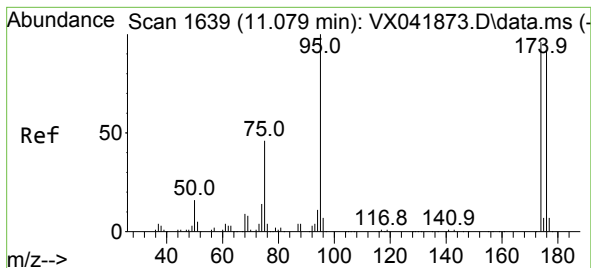
Delta R.T. -0.000 min

Lab File: VX042249.D

Acq: 09 Jul 2024 16:02

Tgt Ion:117	Resp:	130276
Ion Ratio	Lower	Upper
117	100	
82	50.2	41.1 61.7
119	32.5	26.1 39.1

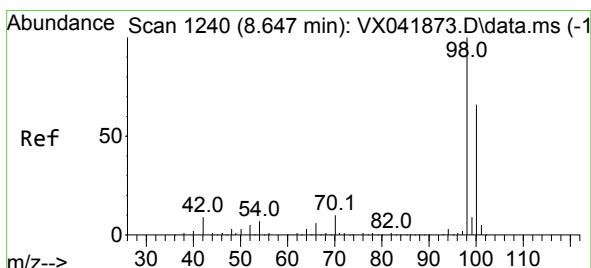
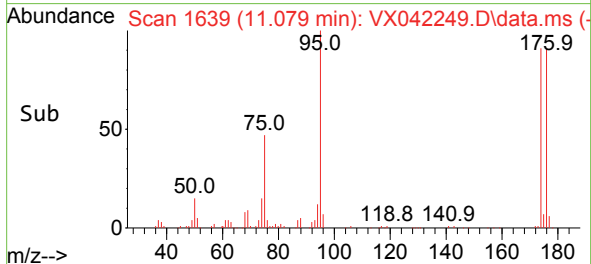
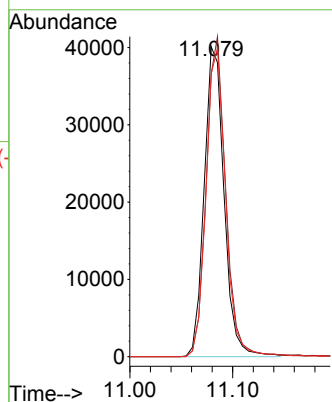
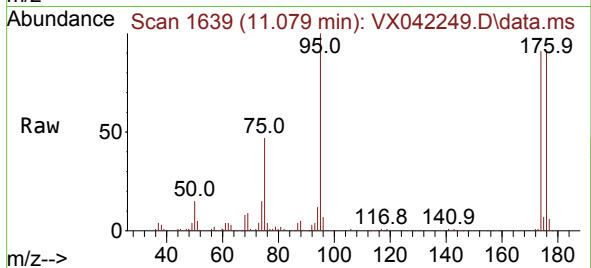




#60
4-Bromofluorobenzene
Concen: 26.802 ug/l
RT: 11.079 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX042249.D
Acq: 09 Jul 2024 16:02

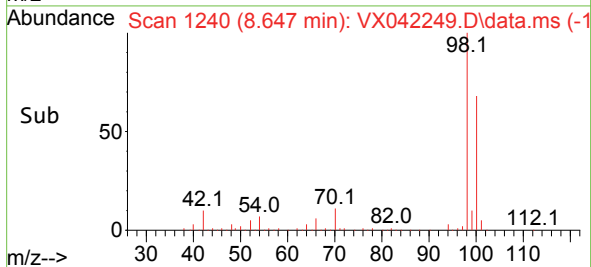
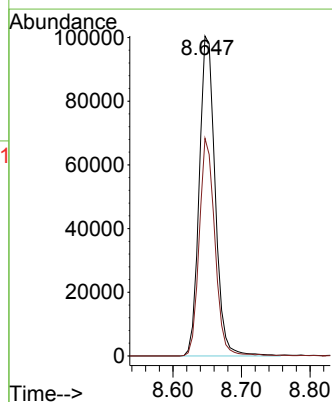
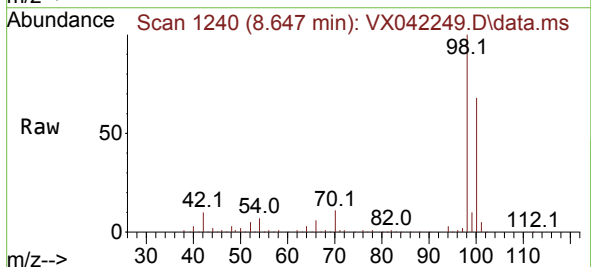
Instrument :
MSVOA_X
ClientSampleId :

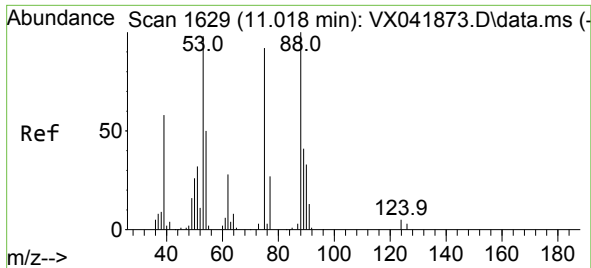
Tgt Ion: 95 Resp: 54049
Ion Ratio Lower Upper
95 100
174 101.1 78.9 118.3
176 98.1 77.1 115.7



#63
Toluene-d8
Concen: 29.145 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX042249.D
Acq: 09 Jul 2024 16:02

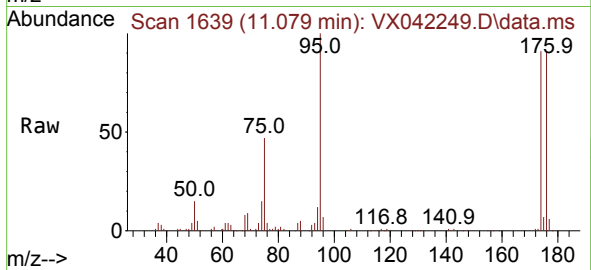
Tgt Ion: 98 Resp: 162442
Ion Ratio Lower Upper
98 100
100 66.6 52.7 79.1





#77
 t-1,4-Dichloro-2-butene
 Concen: 33.642 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX042249.D
 Acq: 09 Jul 2024 16:02

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 25353
 Ion Ratio Lower Upper
 75 100
 53 0.0 53.4 160.2#
 89 0.0 22.5 67.5#

