

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062424\
 Data File : VX042009.D
 Acq On : 24 Jun 2024 17:03
 Operator : JC/MD
 Sample : P3027-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 240620002-08-TRIP-BLANK

Quant Time: Jun 25 06:45:03 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)

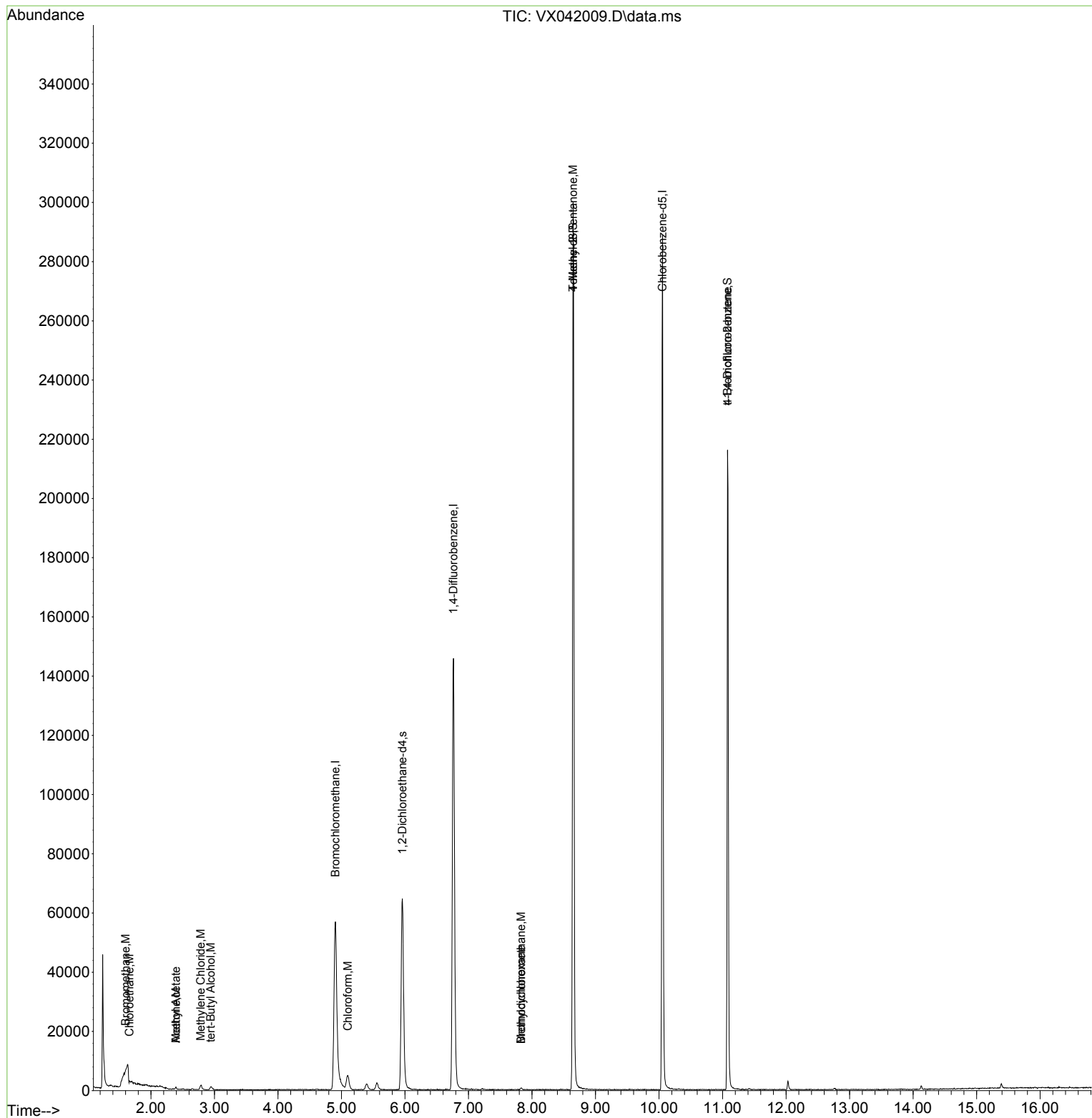
Internal Standards						
1) Bromochloromethane	4.904	128	29727	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	162473	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	144957	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	62372	30.479	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	101.600%		
60) 4-Bromofluorobenzene	11.079	95	59437	26.489	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	88.300%		
63) Toluene-d8	8.647	98	185516	29.913	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	99.700%		
Target Compounds						
					Qvalue	
5) Bromomethane	1.599	94	280	0.249	ug/l #	51
6) Chloroethane	1.660	64	342	0.381	ug/l #	42
12) Methyl Acetate	2.392	43	668	0.288	ug/l #	51
15) Acetone	2.392	58	202	0.642	ug/l #	56
18) Methylene Chloride	2.782	84	953	0.457	ug/l #	87
23) tert-Butyl Alcohol	2.940	59	890	2.177	ug/l #	100
25) Chloroform	5.099	83	6161	1.871	ug/l	100
38) Methylcyclohexane	7.830	83	587	0.209	ug/l #	18
41) Bromodichloromethane	7.830	83	587	0.263	ug/l #	89
58) 4-Methyl-2-Pentanone	8.647	43	716	0.276	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	27077	32.291	ug/l #	7

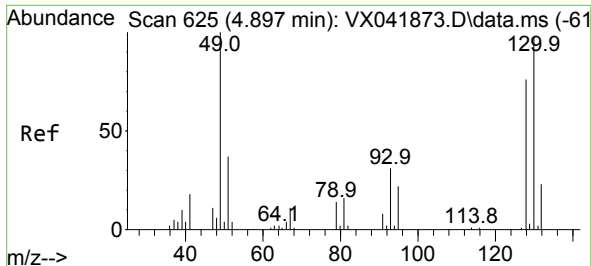
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062424\
Data File : VX042009.D
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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
240620002-08-TRIP-BLANK

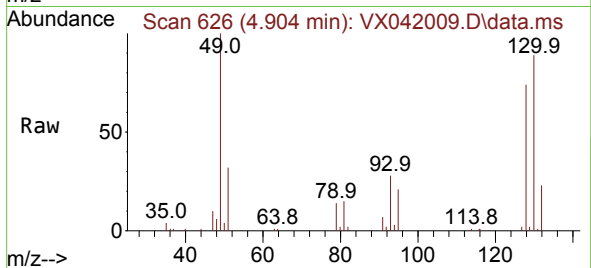
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X061424W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Jun 15 04:02:59 2024
Response via : Initial Calibration



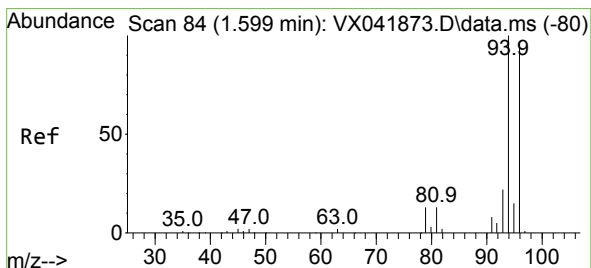
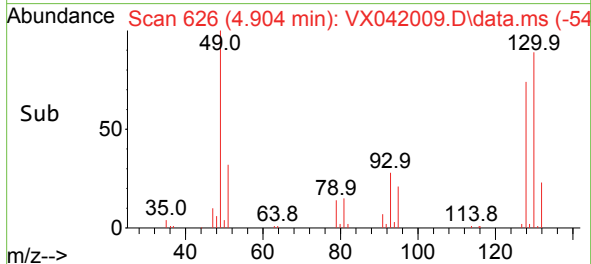
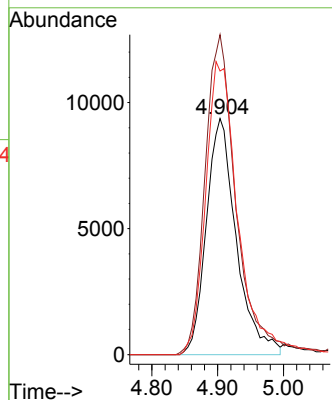


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.904 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX042009.D
Acq: 24 Jun 2024 17:03

Instrument :
MSVOA_X
ClientSampleId :
240620002-08-TRIP-BLANK

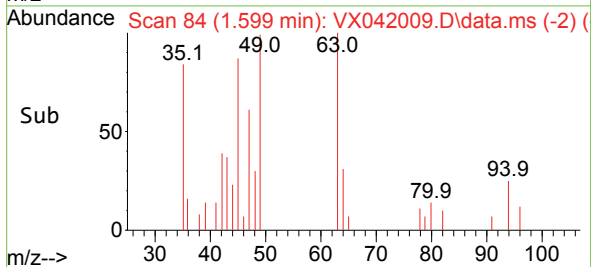
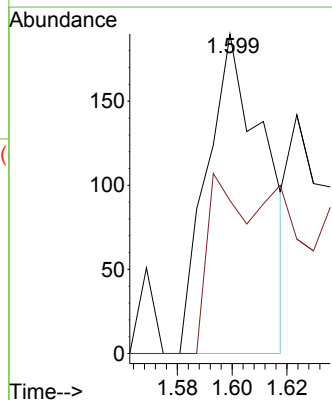
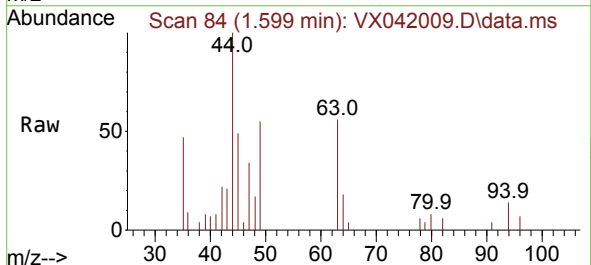


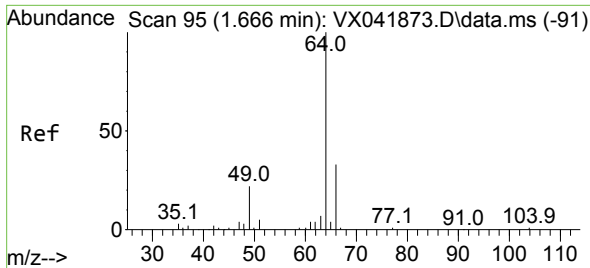
Tgt Ion:128 Resp: 29727
Ion Ratio Lower Upper
128 100
49 138.7 0.0 338.5
130 134.7 0.0 324.5



#5
Bromomethane
Concen: 0.249 ug/l
RT: 1.599 min Scan# 84
Delta R.T. -0.000 min
Lab File: VX042009.D
Acq: 24 Jun 2024 17:03

Tgt Ion: 94 Resp: 280
Ion Ratio Lower Upper
94 100
96 47.9 76.6 115.0#

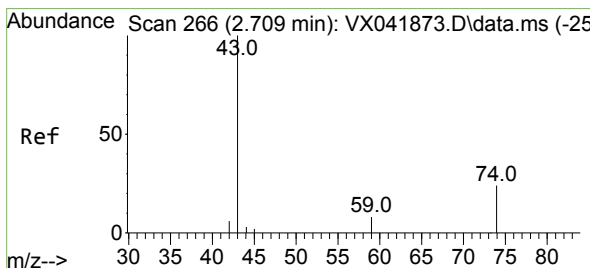
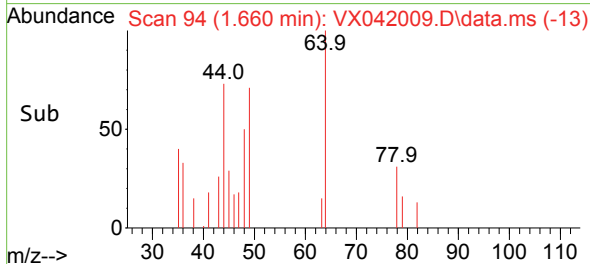
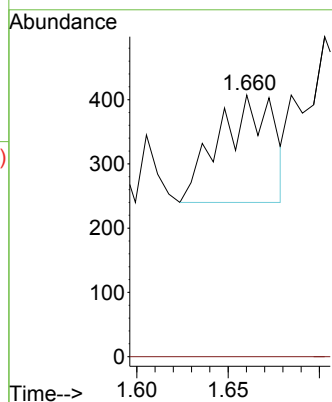
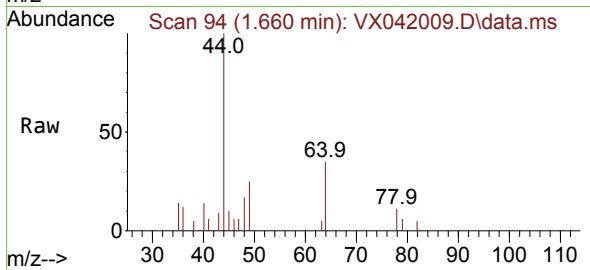




#6
Chloroethane
Concen: 0.381 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX042009.D
Acq: 24 Jun 2024 17:03

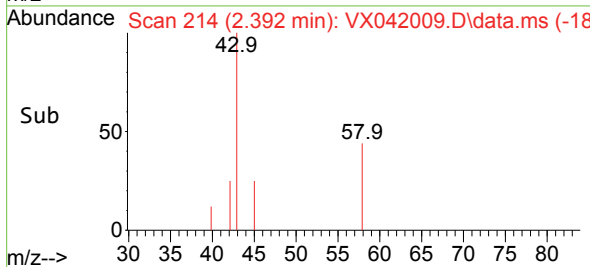
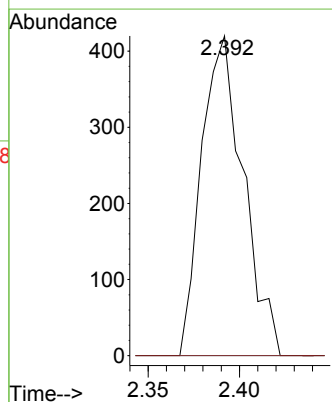
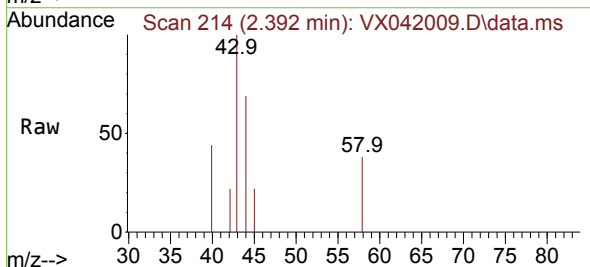
Instrument :
MSVOA_X
ClientSampleId :
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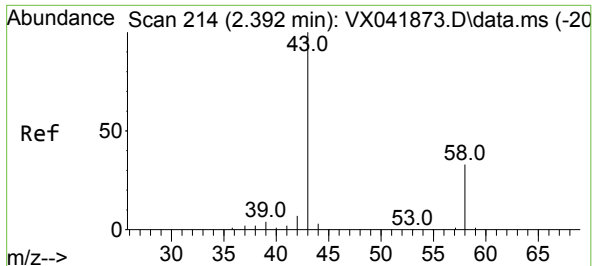
Tgt Ion: 64 Resp: 342
Ion Ratio Lower Upper
64 100
66 0.0 26.4 39.6#



#12
Methyl Acetate
Concen: 0.288 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.317 min
Lab File: VX042009.D
Acq: 24 Jun 2024 17:03

Tgt Ion: 43 Resp: 668
Ion Ratio Lower Upper
43 100
74 0.0 19.4 29.2#

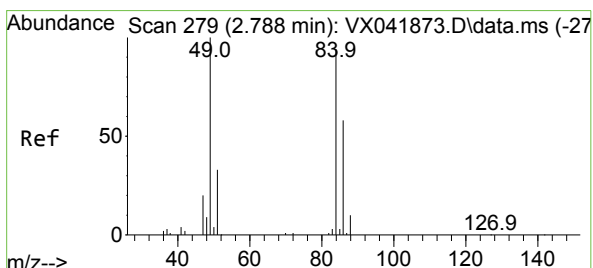
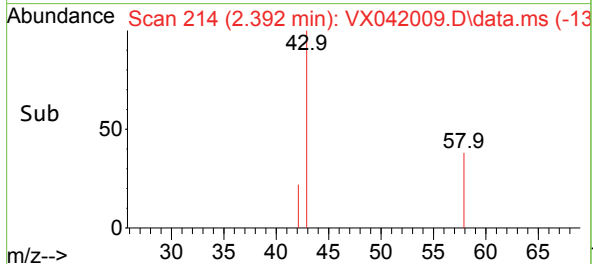
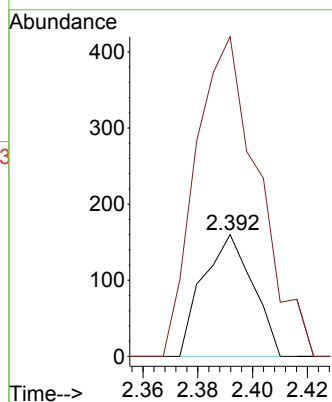
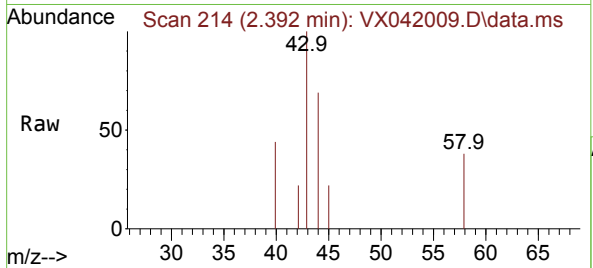




#15
Acetone
Concen: 0.642 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX042009.D
Acq: 24 Jun 2024 17:03

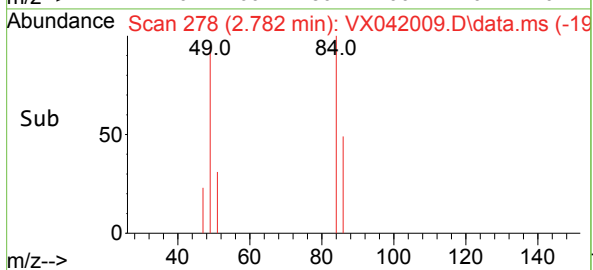
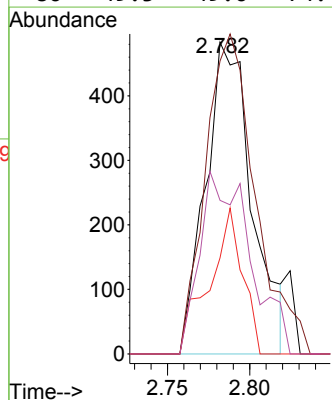
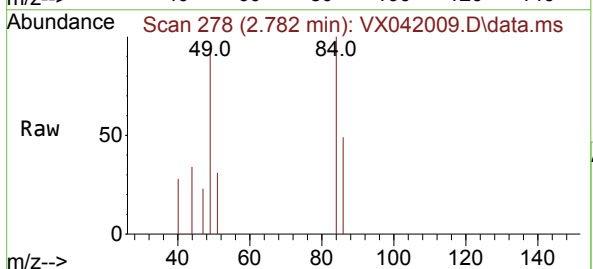
Instrument :
MSVOA_X
ClientSampleId :
240620002-08-TRIP-BLANK

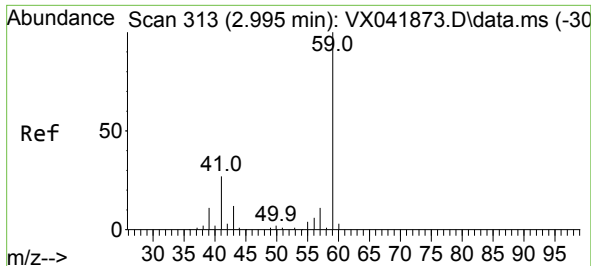
Tgt Ion: 58 Resp: 202
Ion Ratio Lower Upper
58 100
43 218.1 243.4 365.2#



#18
Methylene Chloride
Concen: 0.457 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.006 min
Lab File: VX042009.D
Acq: 24 Jun 2024 17:03

Tgt Ion: 84 Resp: 953
Ion Ratio Lower Upper
84 100
49 94.0 85.3 127.9
51 30.8 28.5 42.7
86 49.3 49.6 74.4#

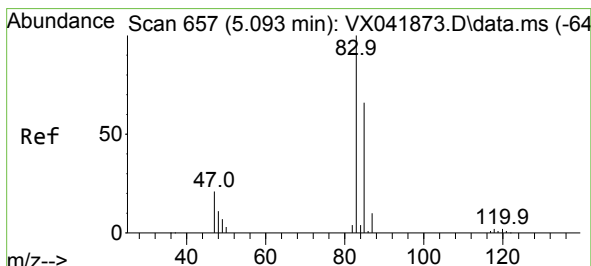
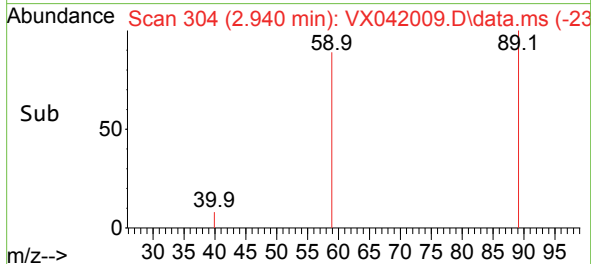
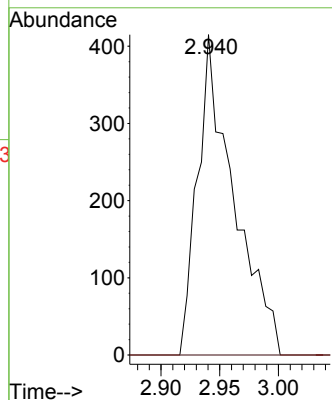
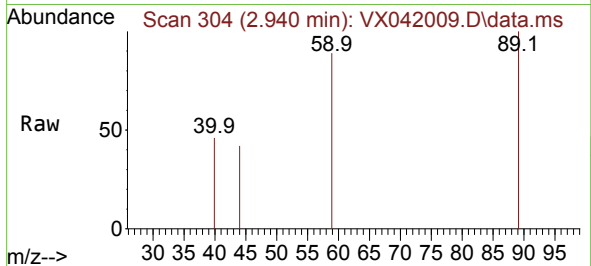




#23
tert-Butyl Alcohol
Concen: 2.177 ug/l
RT: 2.940 min Scan# 30
Delta R.T. -0.055 min
Lab File: VX042009.D
Acq: 24 Jun 2024 17:03

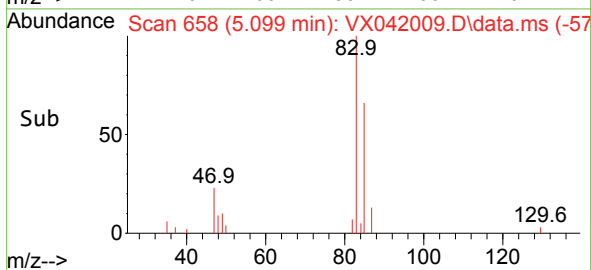
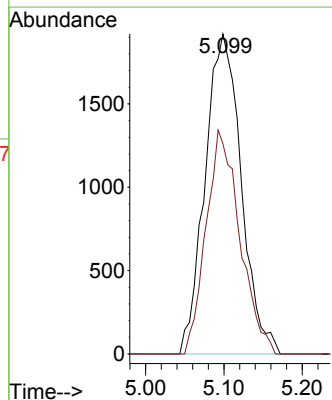
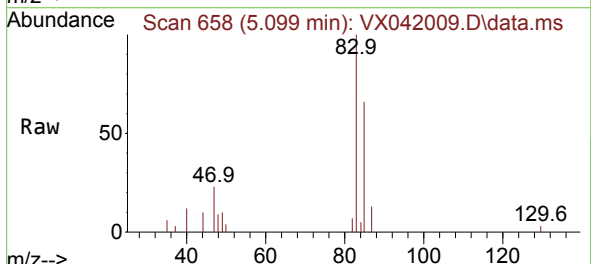
Instrument :
MSVOA_X
ClientSampleId :
240620002-08-TRIP-BLANK

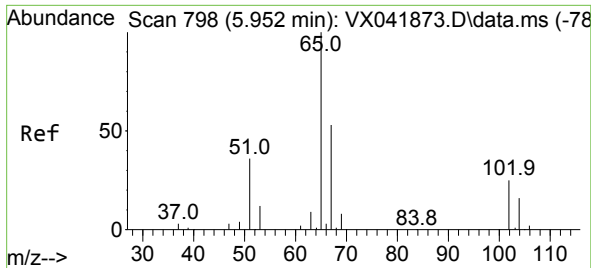
Tgt Ion: 59 Resp: 890
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



#25
Chloroform
Concen: 1.871 ug/l
RT: 5.099 min Scan# 658
Delta R.T. 0.006 min
Lab File: VX042009.D
Acq: 24 Jun 2024 17:03

Tgt Ion: 83 Resp: 6161
Ion Ratio Lower Upper
83 100
85 65.7 52.7 79.1





#27

1,2-Dichloroethane-d4

Concen: 30.479 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX042009.D

Acq: 24 Jun 2024 17:03

Instrument :

MSVOA_X

ClientSampleId :

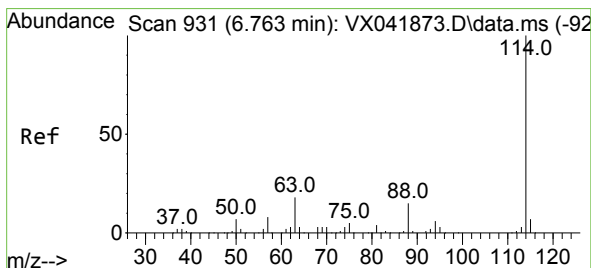
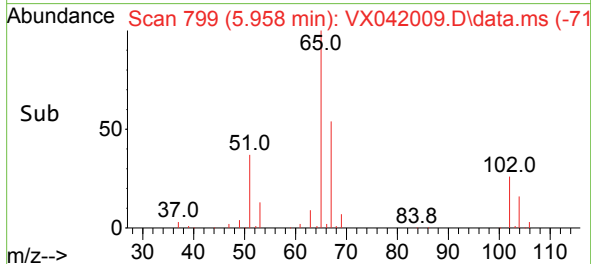
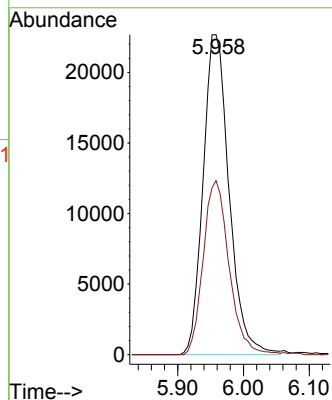
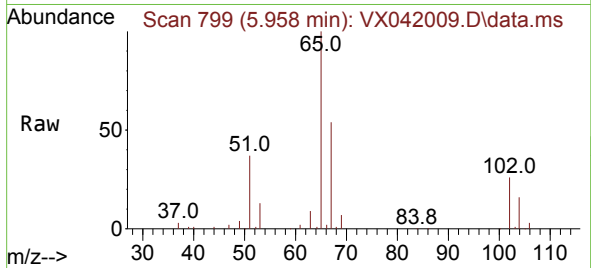
240620002-08-TRIP-BLANK

Tgt Ion: 65 Resp: 62372

Ion Ratio Lower Upper

65 100

67 54.1 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: VX042009.D

Acq: 24 Jun 2024 17:03

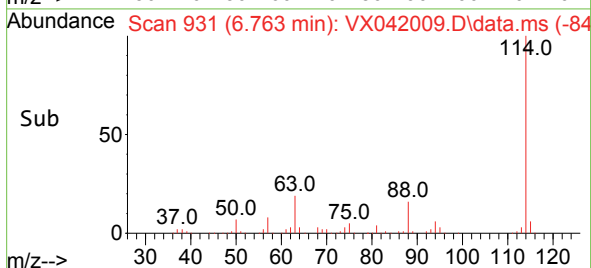
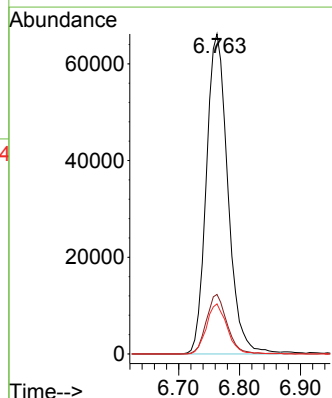
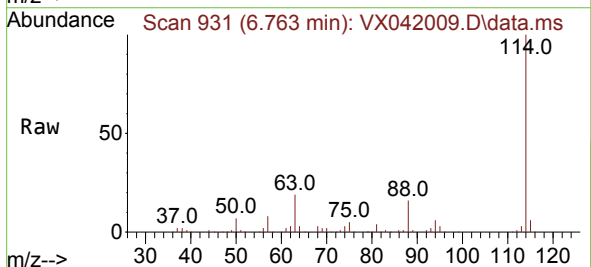
Tgt Ion:114 Resp: 162473

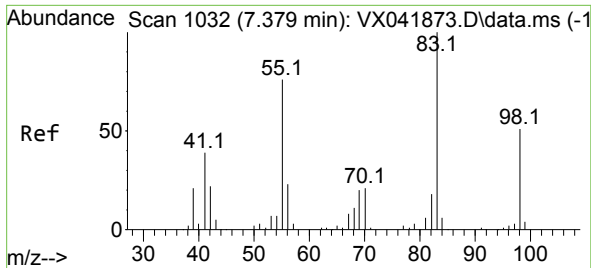
Ion Ratio Lower Upper

114 100

63 17.8 14.6 21.8

88 15.0 11.8 17.8

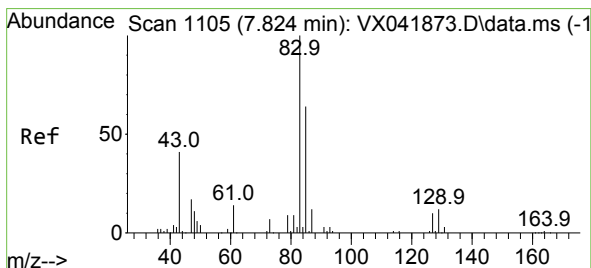
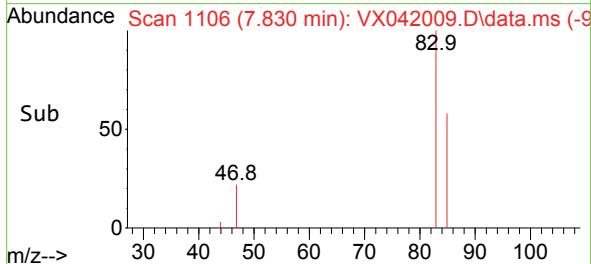
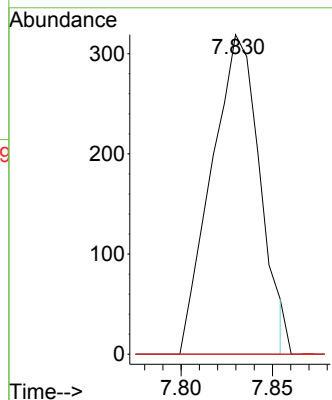
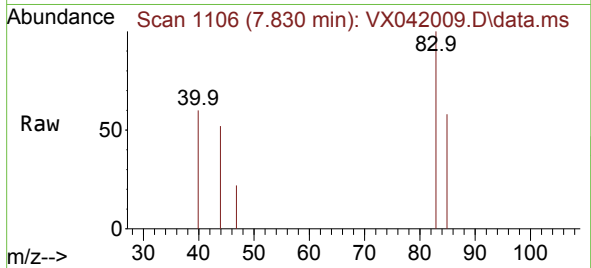




#38
Methylcyclohexane
Concen: 0.209 ug/l
RT: 7.830 min Scan# 1106
Delta R.T. 0.451 min
Lab File: VX042009.D
Acq: 24 Jun 2024 17:03

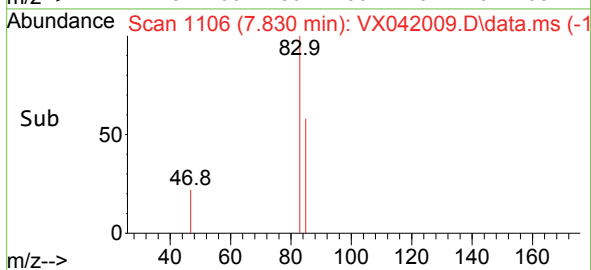
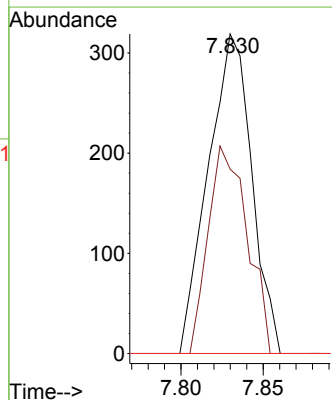
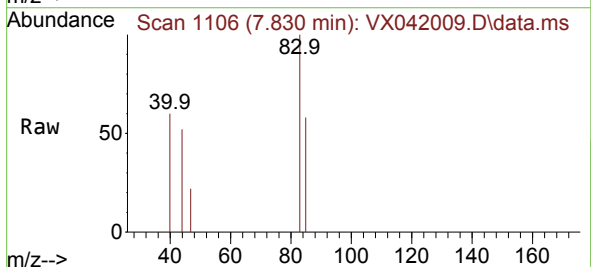
Instrument :
MSVOA_X
ClientSampleId :
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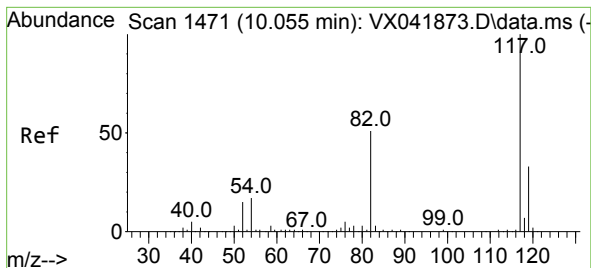
Tgt Ion: 83 Resp: 587
Ion Ratio Lower Upper
83 100
55 0.0 37.3 111.9#
98 0.0 24.8 74.4#



#41
Bromodichloromethane
Concen: 0.263 ug/l
RT: 7.830 min Scan# 1106
Delta R.T. 0.006 min
Lab File: VX042009.D
Acq: 24 Jun 2024 17:03

Tgt Ion: 83 Resp: 587
Ion Ratio Lower Upper
83 100
85 57.7 51.1 76.7
127 0.0 8.1 12.1#

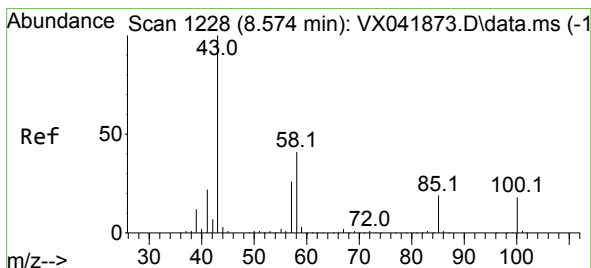
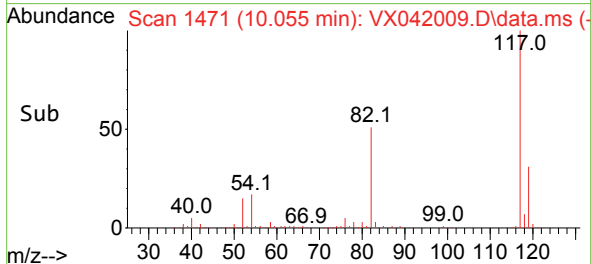
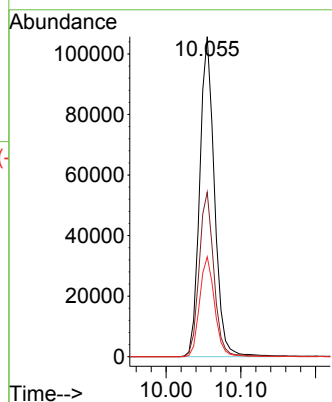
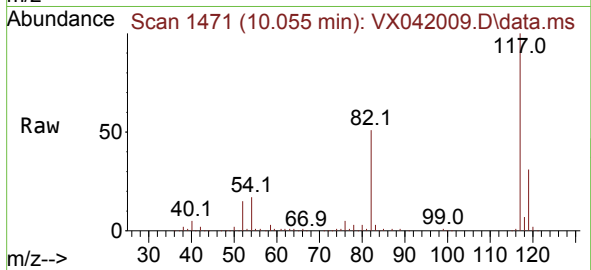




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX042009.D
Acq: 24 Jun 2024 17:03

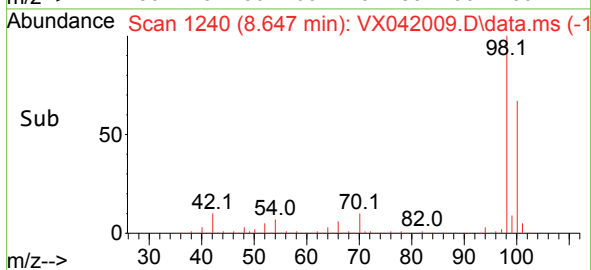
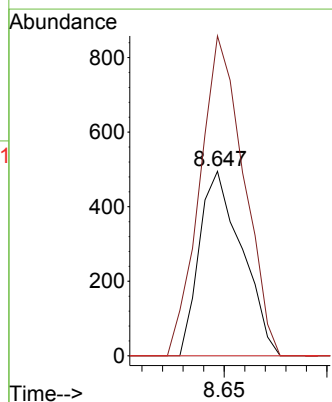
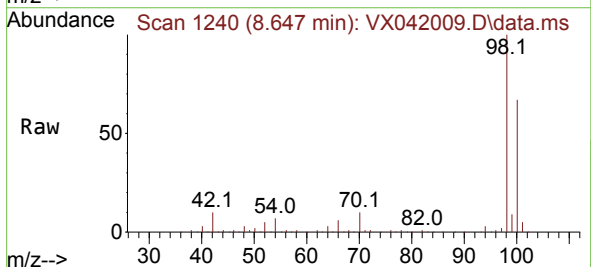
Instrument :
MSVOA_X
ClientSampleId :
240620002-08-TRIP-BLANK

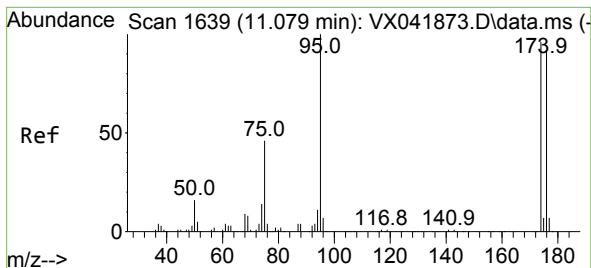
Tgt Ion:117 Resp: 144957
Ion Ratio Lower Upper
117 100
82 51.3 41.1 61.7
119 31.6 26.1 39.1



#58
4-Methyl-2-Pentanone
Concen: 0.276 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX042009.D
Acq: 24 Jun 2024 17:03

Tgt Ion: 43 Resp: 716
Ion Ratio Lower Upper
43 100
58 178.8 33.2 49.8#
85 0.0 15.5 23.3#

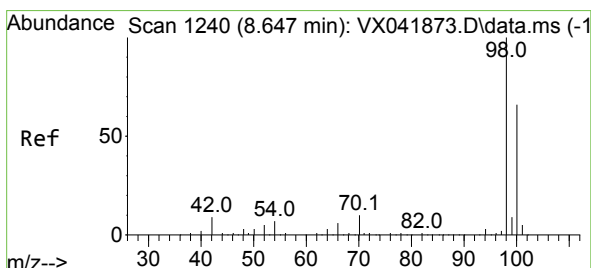
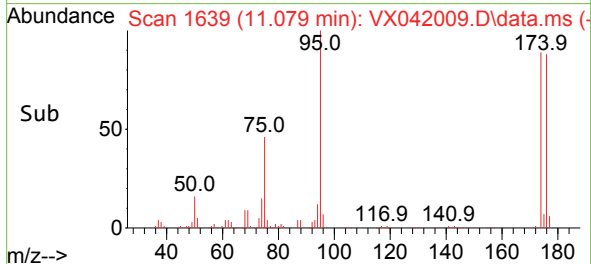
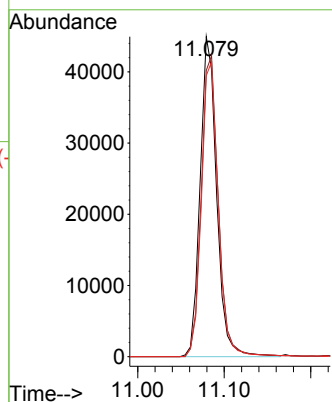
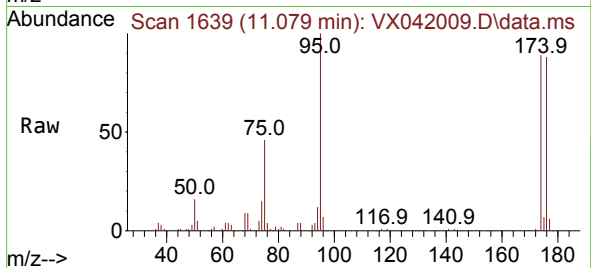




#60
4-Bromofluorobenzene
Concen: 26.489 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX042009.D
Acq: 24 Jun 2024 17:03

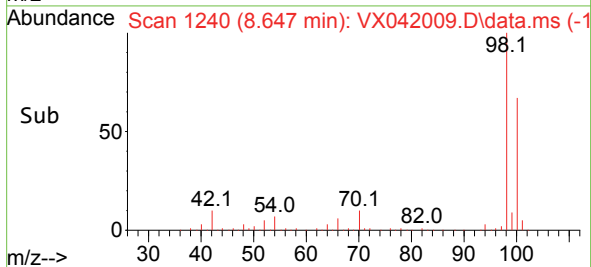
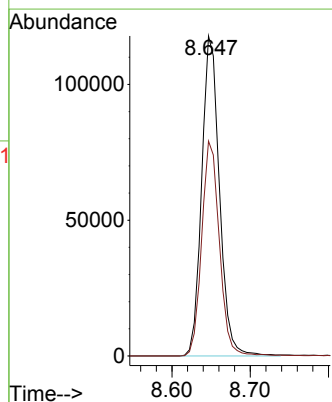
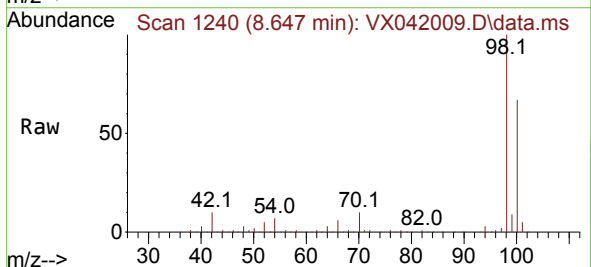
Instrument :
MSVOA_X
ClientSampleId :
240620002-08-TRIP-BLANK

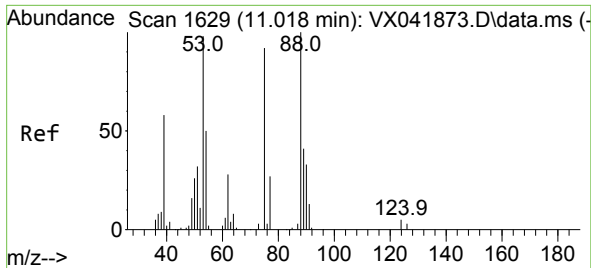
Tgt Ion: 95 Resp: 59437
Ion Ratio Lower Upper
95 100
174 97.4 78.9 118.3
176 94.1 77.1 115.7



#63
Toluene-d8
Concen: 29.913 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX042009.D
Acq: 24 Jun 2024 17:03

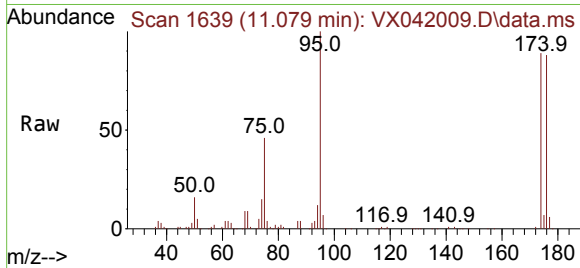
Tgt Ion: 98 Resp: 185516
Ion Ratio Lower Upper
98 100
100 66.6 52.7 79.1





#77
 t-1,4-Dichloro-2-butene
 Concen: 32.291 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX042009.D
 Acq: 24 Jun 2024 17:03

Instrument :
 MSVOA_X
 ClientSampleId :
 240620002-08-TRIP-BLANK



Tgt Ion: 75 Resp: 27077
 Ion Ratio Lower Upper
 75 100
 53 0.0 53.4 160.2#
 89 0.0 22.5 67.5#

