

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080624\
 Data File : VX042873.D
 Acq On : 06 Aug 2024 15:56
 Operator : JC/MD
 Sample : P3446-03DL 4X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 07 05:00:49 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X080624W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 07 04:53:59 2024
 Response via : Initial Calibration

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

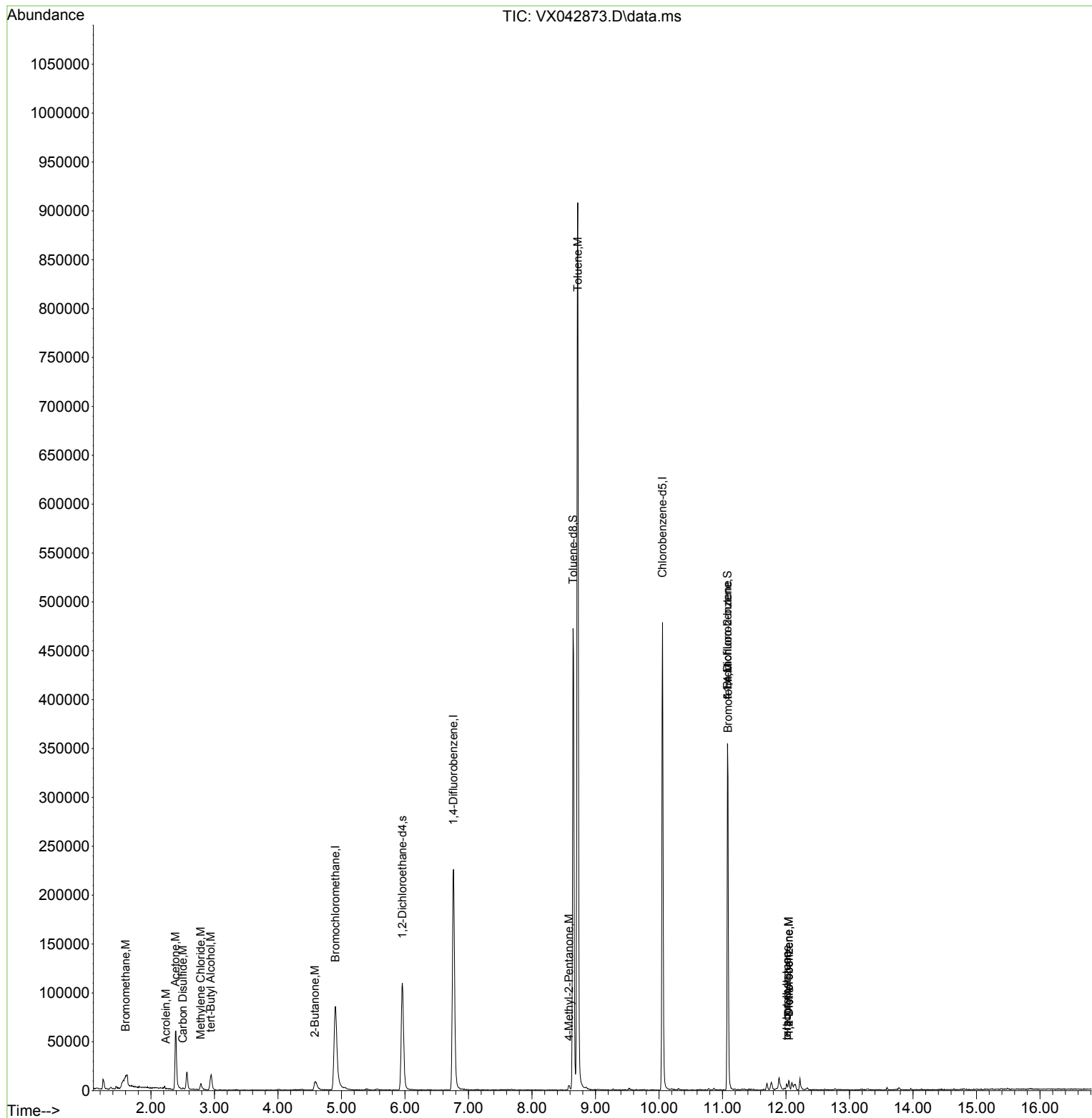
Internal Standards						
1) Bromochloromethane	4.904	128	42358	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	234797	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	215009	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	109098	27.892	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	92.967%
60) 4-Bromofluorobenzene	11.079	95	96761	27.585	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	91.933%
63) Toluene-d8	8.647	98	290269	29.888	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.633%
Target Compounds						
					Qvalue	
5) Bromomethane	1.599	94	420	0.282	ug/l	83
13) Acrolein	2.233	56	50	0.312	ug/l #	1
15) Acetone	2.386	58	21477	39.329	ug/l	90
16) Carbon Disulfide	2.502	76	1679	0.318	ug/l #	90
18) Methylene Chloride	2.782	84	3312	1.127	ug/l	96
23) tert-Butyl Alcohol	2.941	59	9204	11.852	ug/l #	100
30) 2-Butanone	4.581	43	13375	6.002	ug/l #	86
56) Bromoform	11.086	173	651	0.307	ug/l #	1
58) 4-Methyl-2-Pentanone	8.580	43	3649	0.901	ug/l	94
62) Toluene	8.720	91	619687	58.845	ug/l	100
77) t-1,4-Dichloro-2-butene	11.079	75	48729	40.518	ug/l #	11
79) tert-butylbenzene	12.012	119	2646	0.265	ug/l	67
82) p-Isopropyltoluene	12.012	119	2646	0.258	ug/l	96
84) 1,4-Dichlorobenzene	12.043	146	1863	0.345	ug/l	84
87) 1,2-Dichlorobenzene	12.043	146	1863	0.348	ug/l	85

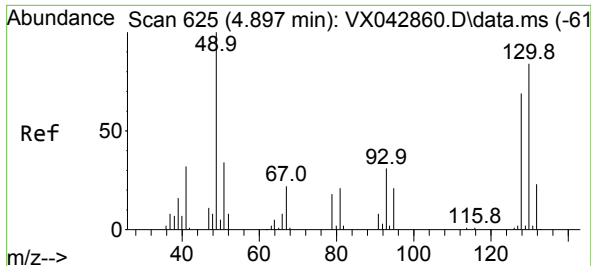
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080624\
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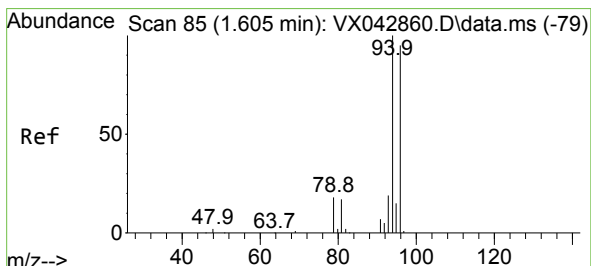
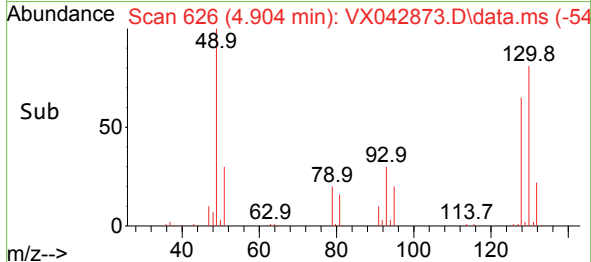
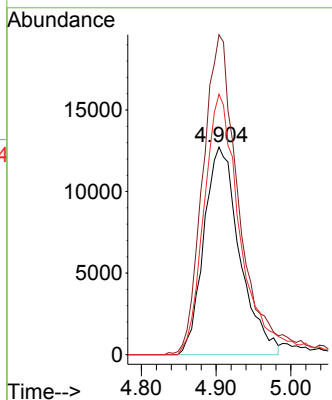
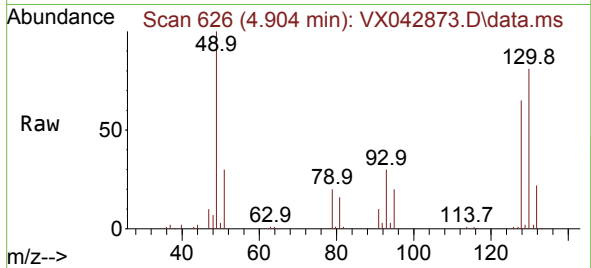




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.904 min Scan# 61
Delta R.T. 0.007 min
Lab File: VX042873.D
Acq: 06 Aug 2024 15:56

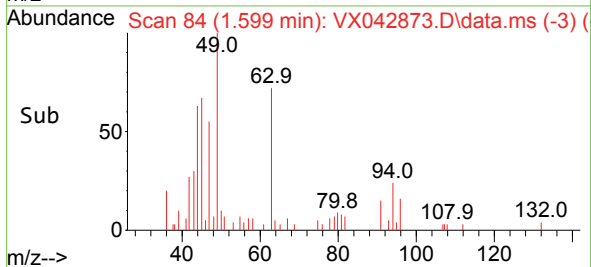
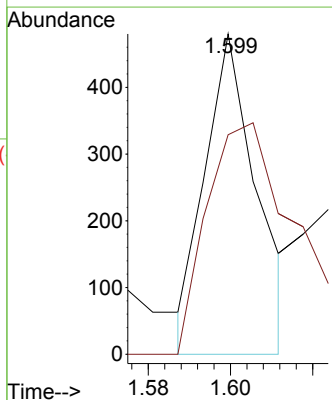
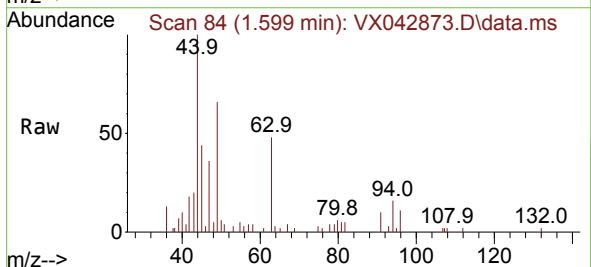
Instrument :
MSVOA_X
ClientSampleId :

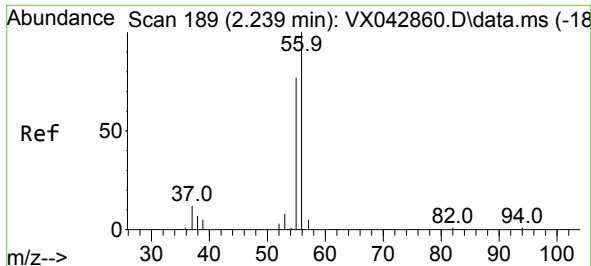
Tgt Ion:128 Resp: 42358
Ion Ratio Lower Upper
128 100
49 154.9 0.0 400.5
130 126.8 0.0 333.0



#5
Bromomethane
Concen: 0.282 ug/l
RT: 1.599 min Scan# 84
Delta R.T. -0.006 min
Lab File: VX042873.D
Acq: 06 Aug 2024 15:56

Tgt Ion: 94 Resp: 420
Ion Ratio Lower Upper
94 100
96 78.9 76.2 114.4





#13

Acrolein

Concen: 0.312 ug/l

RT: 2.233 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX042873.D

Acq: 06 Aug 2024 15:56

Instrument :

MSVOA_X

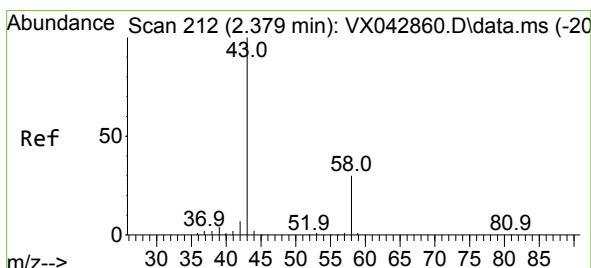
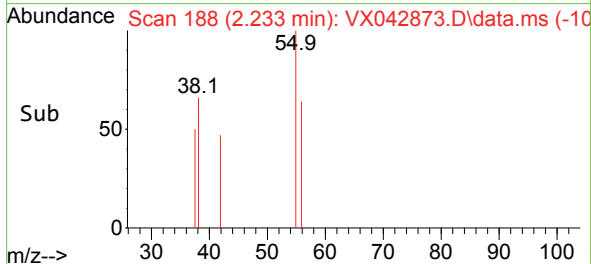
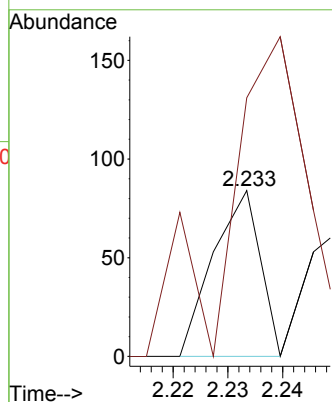
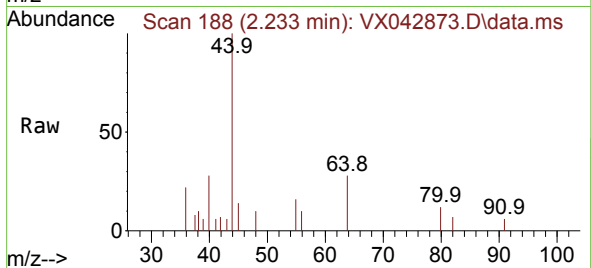
ClientSampleId :

Tgt Ion: 56 Resp: 50

Ion Ratio Lower Upper

56 100

55 268.0 60.6 90.8#



#15

Acetone

Concen: 39.329 ug/l

RT: 2.386 min Scan# 213

Delta R.T. 0.007 min

Lab File: VX042873.D

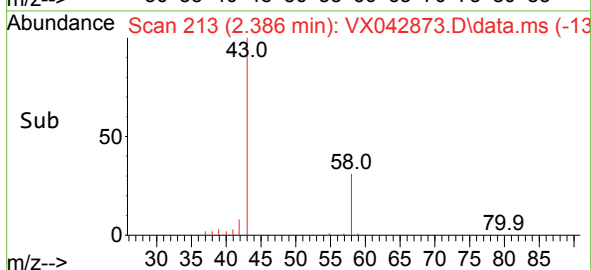
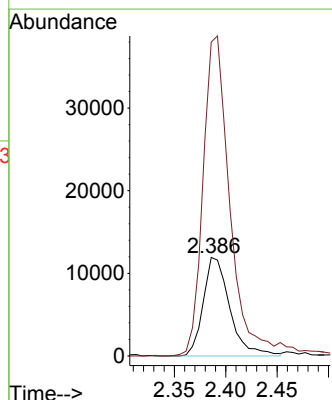
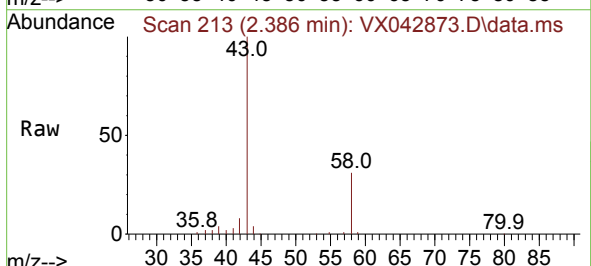
Acq: 06 Aug 2024 15:56

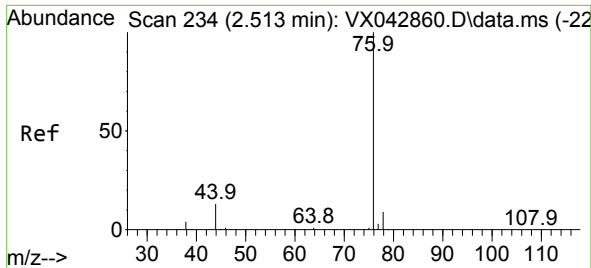
Tgt Ion: 58 Resp: 21477

Ion Ratio Lower Upper

58 100

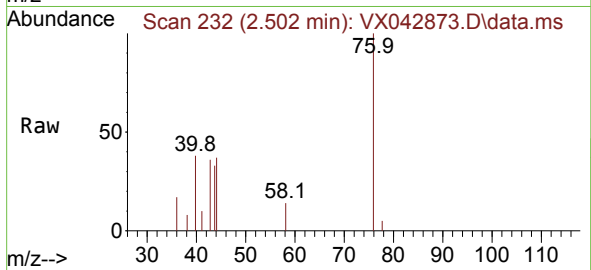
43 316.9 269.9 404.9



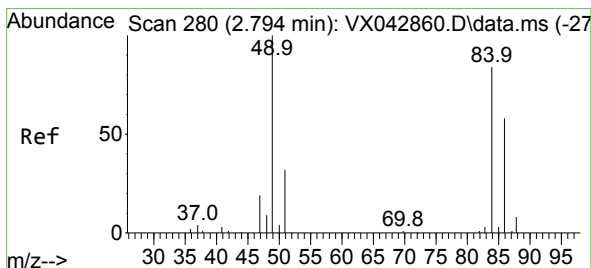
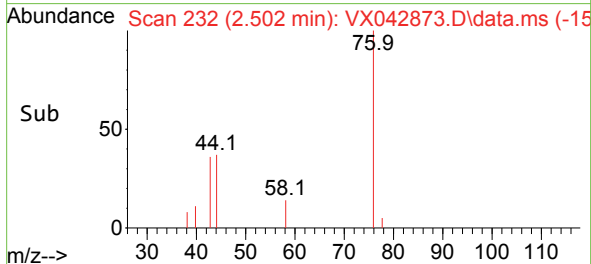
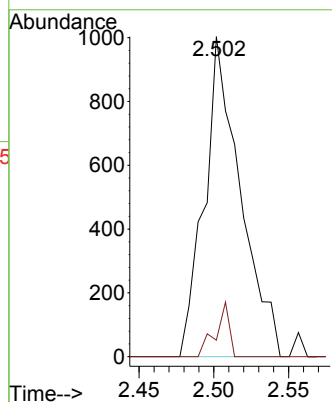


#16
Carbon Disulfide
Concen: 0.318 ug/l
RT: 2.502 min Scan# 21
Delta R.T. -0.012 min
Lab File: VX042873.D
Acq: 06 Aug 2024 15:56

Instrument :
MSVOA_X
ClientSampleId :

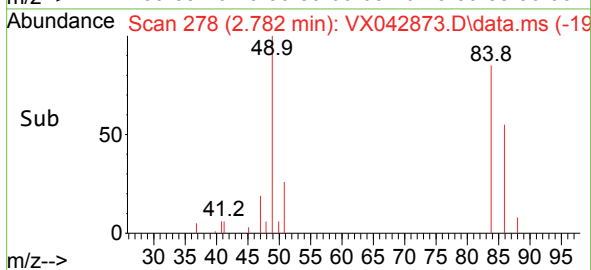
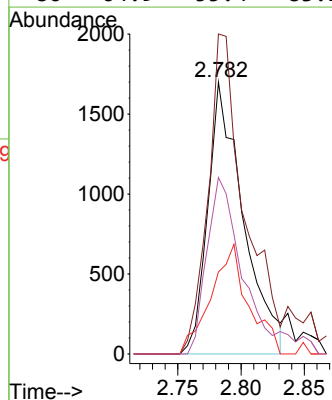
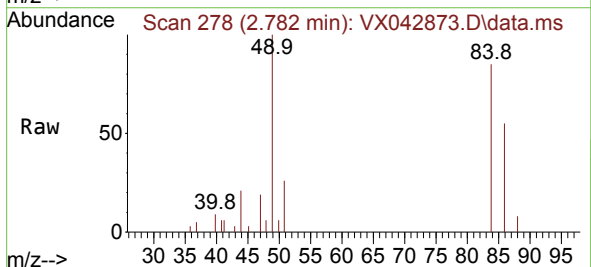


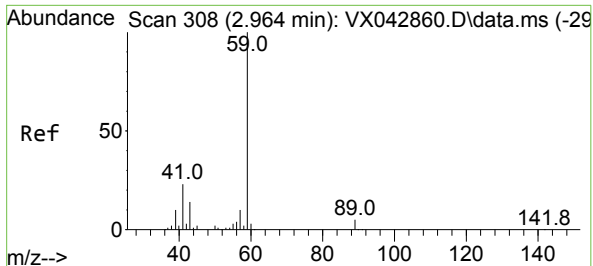
Tgt Ion: 76 Resp: 1679
Ion Ratio Lower Upper
76 100
78 5.2 7.1 10.7#



#18
Methylene Chloride
Concen: 1.127 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.012 min
Lab File: VX042873.D
Acq: 06 Aug 2024 15:56

Tgt Ion: 84 Resp: 3312
Ion Ratio Lower Upper
84 100
49 117.7 95.0 142.6
51 30.2 30.1 45.1
86 64.9 55.4 83.2

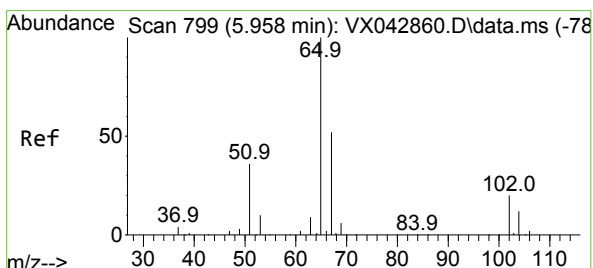
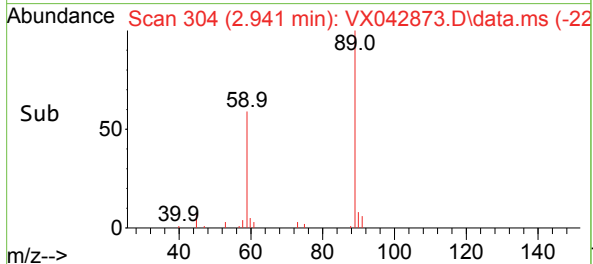
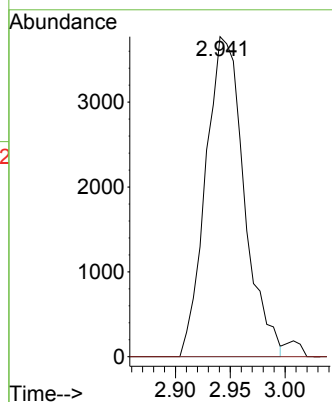
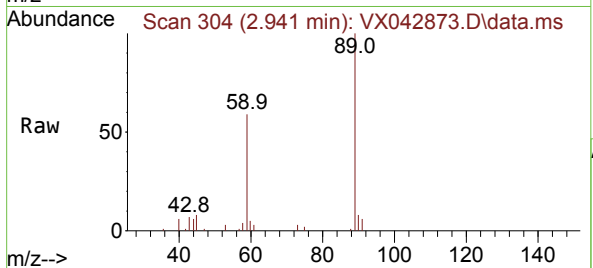




#23
tert-Butyl Alcohol
Concen: 11.852 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.024 min
Lab File: VX042873.D
Acq: 06 Aug 2024 15:56

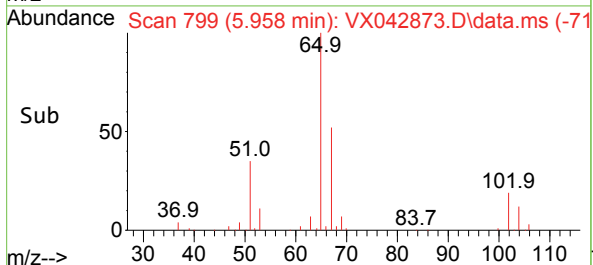
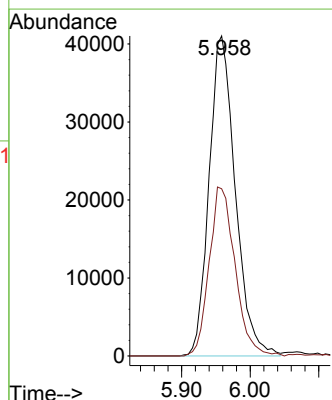
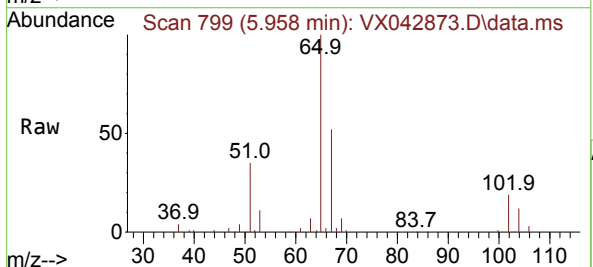
Instrument :
MSVOA_X
ClientSampleId :

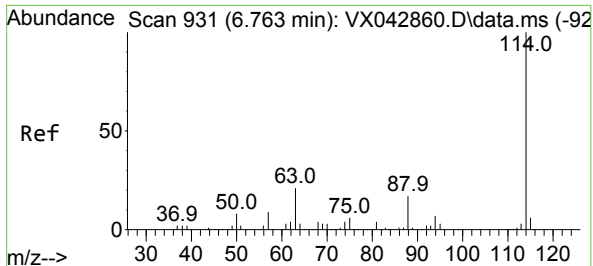
Tgt Ion: 59 Resp: 9204
Ion Ratio Lower Upper
59 100
52 0.0 0.1 0.1#



#27
1,2-Dichloroethane-d4
Concen: 27.892 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.001 min
Lab File: VX042873.D
Acq: 06 Aug 2024 15:56

Tgt Ion: 65 Resp: 109098
Ion Ratio Lower Upper
65 100
67 52.1 40.6 60.8





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.763 min Scan# 91

Delta R.T. 0.001 min

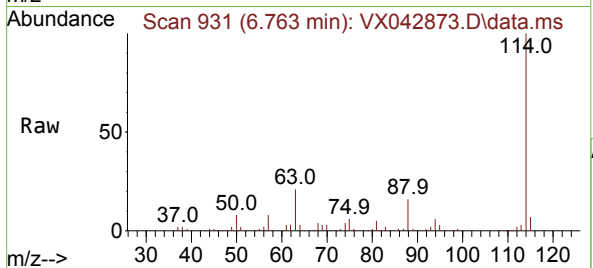
Lab File: VX042873.D

Acq: 06 Aug 2024 15:56

Instrument :

MSVOA_X

ClientSampleId :



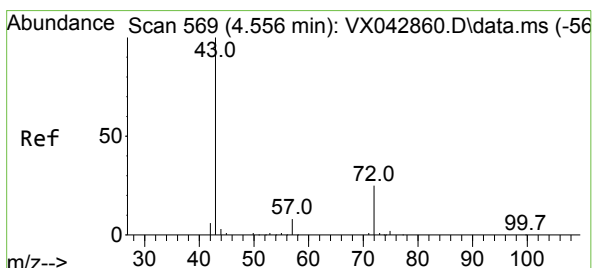
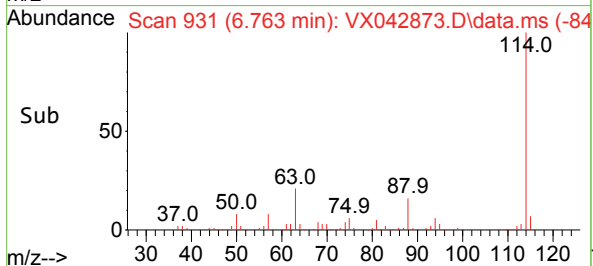
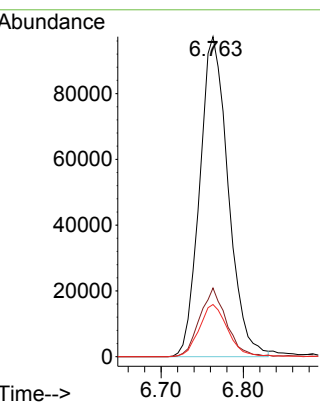
Tgt Ion:114 Resp: 234797

Ion Ratio Lower Upper

114 100

63 20.1 16.0 24.0

88 16.1 12.5 18.7



#30

2-Butanone

Concen: 6.002 ug/l

RT: 4.581 min Scan# 573

Delta R.T. 0.025 min

Lab File: VX042873.D

Acq: 06 Aug 2024 15:56

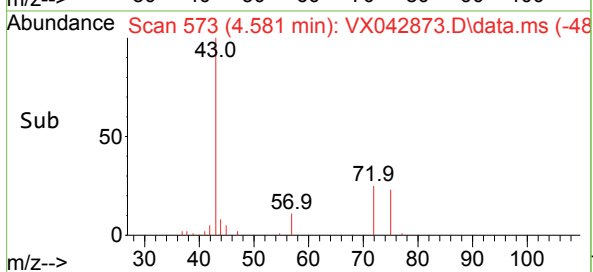
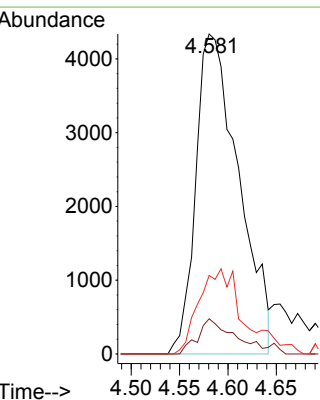
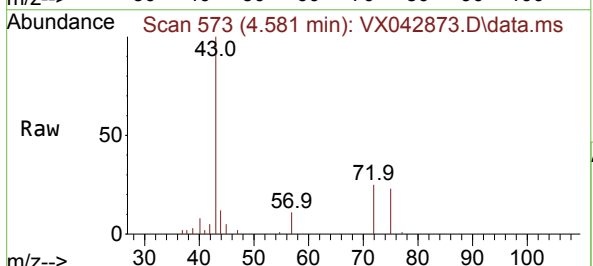
Tgt Ion: 43 Resp: 13375

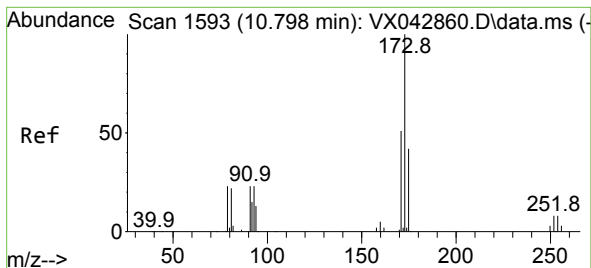
Ion Ratio Lower Upper

43 100

57 7.4 6.6 10.0

72 17.4 21.0 31.4#





#56

Bromoform

Concen: 0.307 ug/l

RT: 11.086 min Scan# 1

Delta R.T. 0.287 min

Lab File: VX042873.D

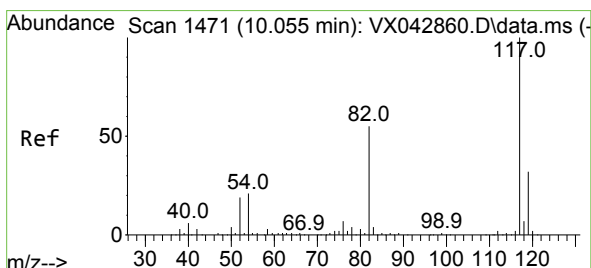
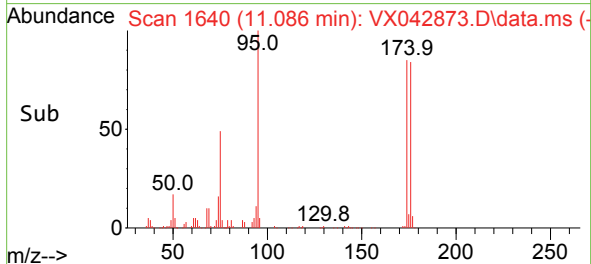
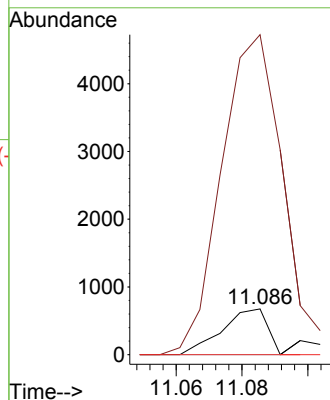
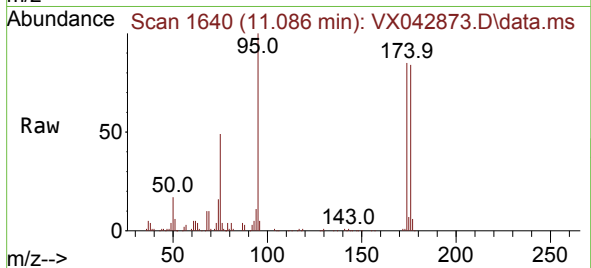
Acq: 06 Aug 2024 15:56

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:173	Resp:	651
Ion Ratio	Lower	Upper
173	100	
175	941.3	37.1 55.7#
254	0.0	6.6 10.0#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

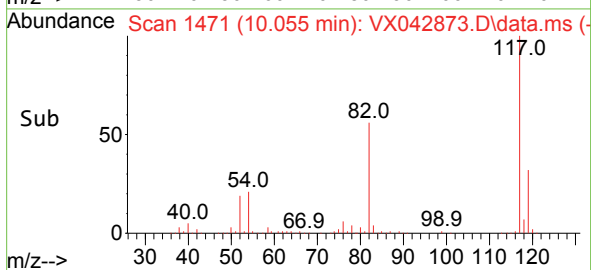
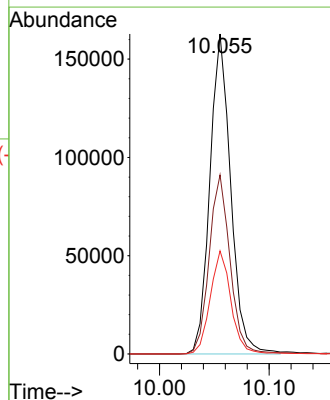
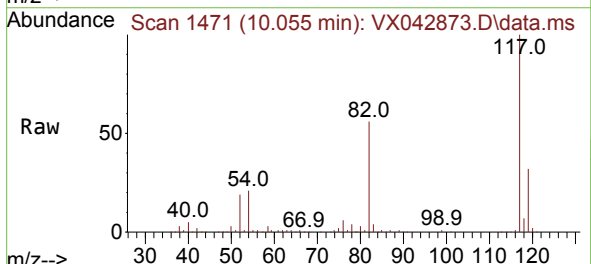
RT: 10.055 min Scan# 1471

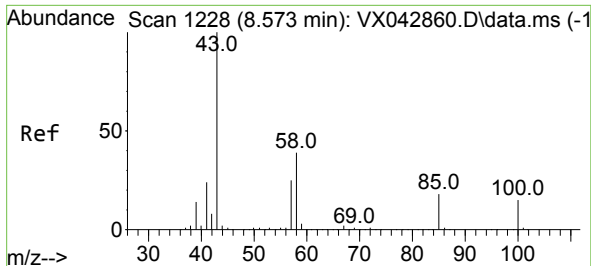
Delta R.T. 0.001 min

Lab File: VX042873.D

Acq: 06 Aug 2024 15:56

Tgt Ion:117	Resp:	215009
Ion Ratio	Lower	Upper
117	100	
82	56.3	44.9 67.3
119	32.2	25.4 38.2





#58

4-Methyl-2-Pentanone

Concen: 0.901 ug/l

RT: 8.580 min Scan# 1229

Delta R.T. 0.007 min

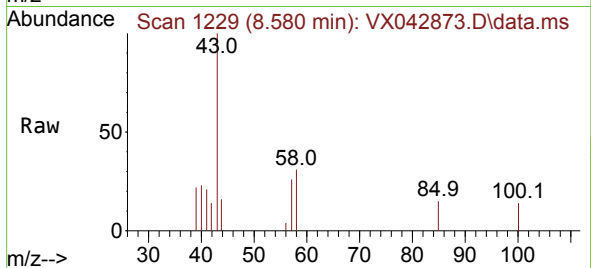
Lab File: VX042873.D

Acq: 06 Aug 2024 15:56

Instrument :

MSVOA_X

ClientSampleId :



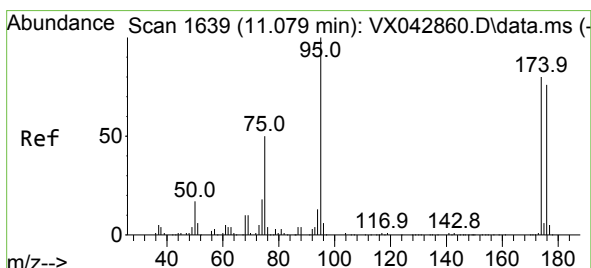
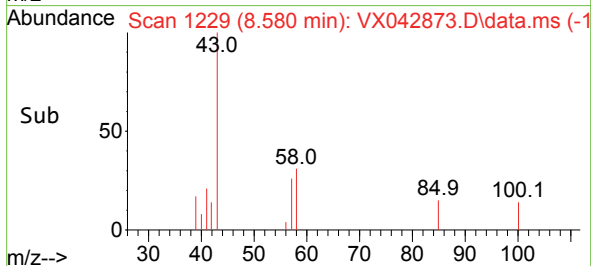
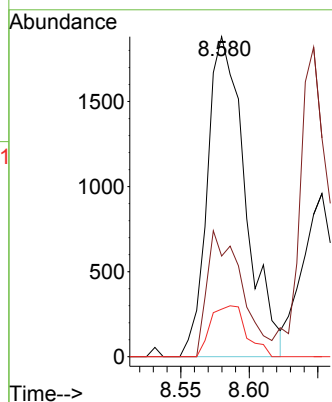
Tgt Ion: 43 Resp: 3649

Ion Ratio Lower Upper

43 100

58 35.9 31.4 47.0

85 14.9 14.6 21.8



#60

4-Bromofluorobenzene

Concen: 27.585 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.001 min

Lab File: VX042873.D

Acq: 06 Aug 2024 15:56

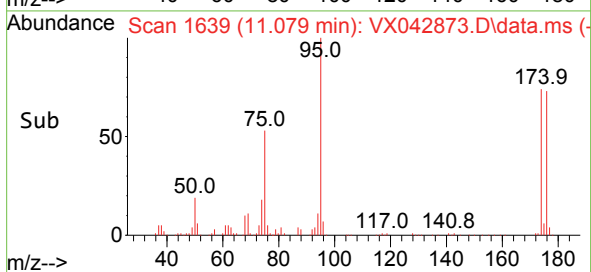
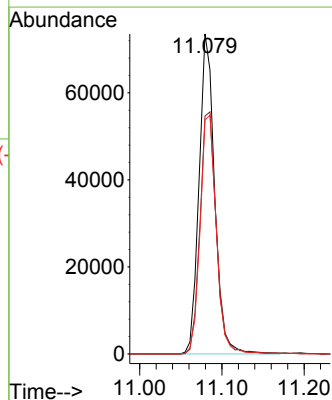
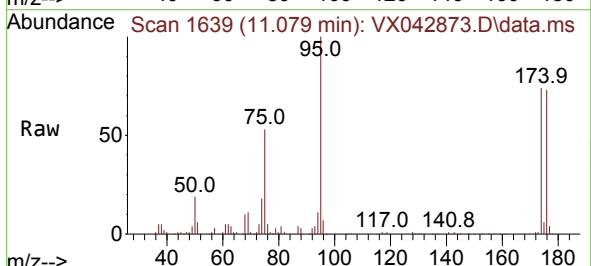
Tgt Ion: 95 Resp: 96761

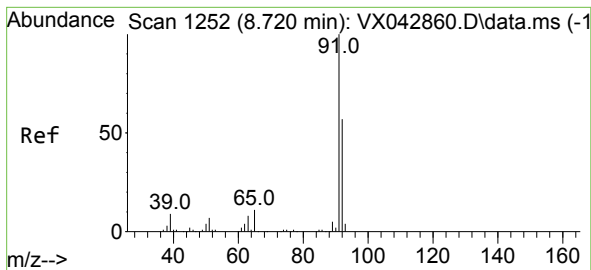
Ion Ratio Lower Upper

95 100

174 78.7 65.0 97.6

176 76.7 63.4 95.0





#62

Toluene

Concen: 58.845 ug/l

RT: 8.720 min Scan# 11

Delta R.T. 0.001 min

Lab File: VX042873.D

Acq: 06 Aug 2024 15:56

Instrument :

MSVOA_X

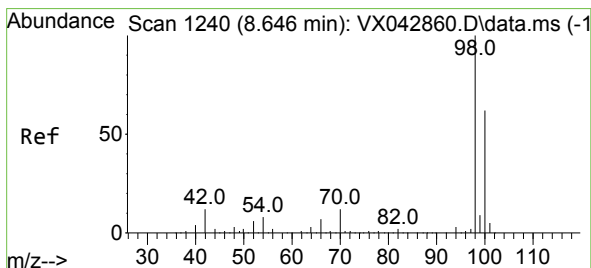
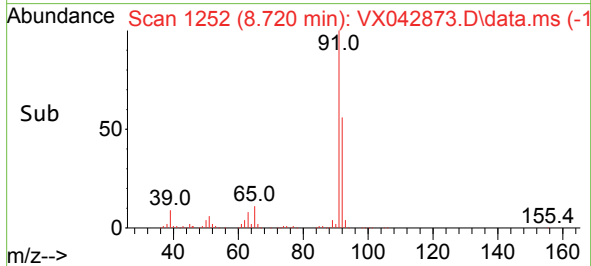
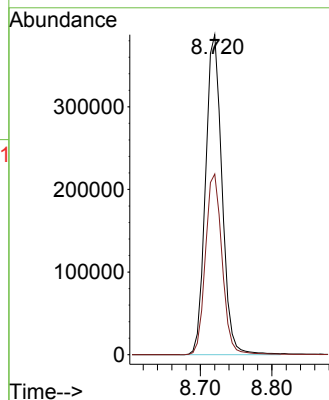
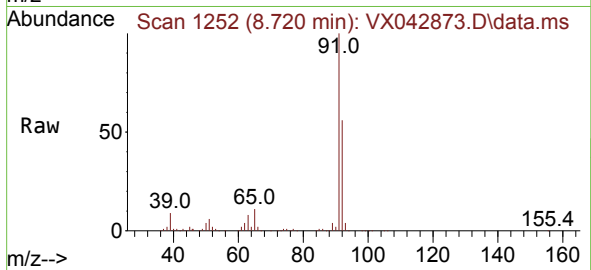
ClientSampleId :

Tgt Ion: 91 Resp: 619687

Ion Ratio Lower Upper

91 100

92 57.1 45.7 68.5



#63

Toluene-d8

Concen: 29.888 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.001 min

Lab File: VX042873.D

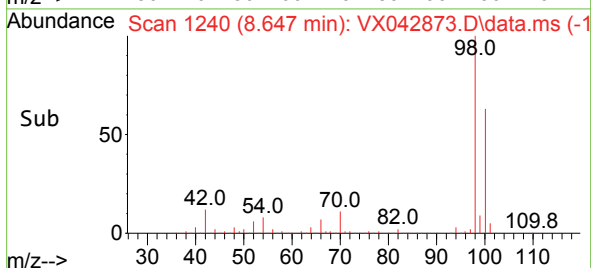
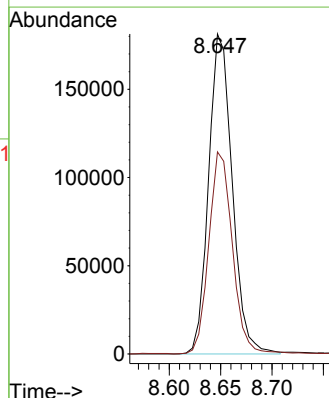
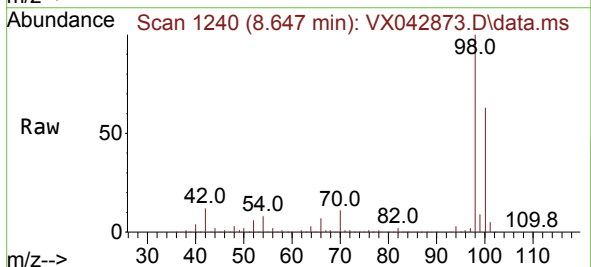
Acq: 06 Aug 2024 15:56

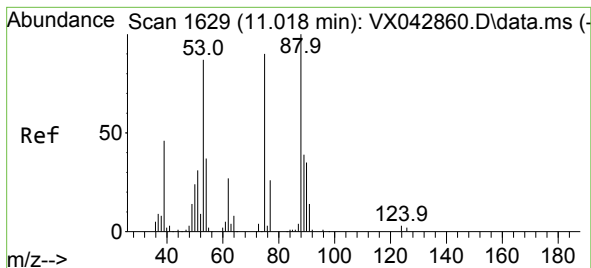
Tgt Ion: 98 Resp: 290269

Ion Ratio Lower Upper

98 100

100 63.4 50.9 76.3

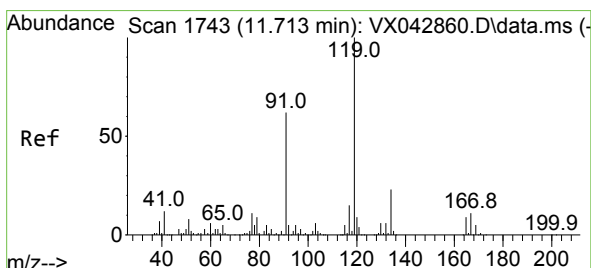
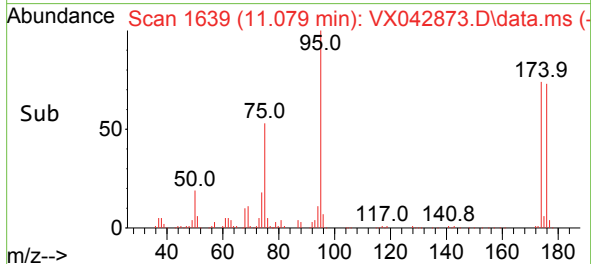
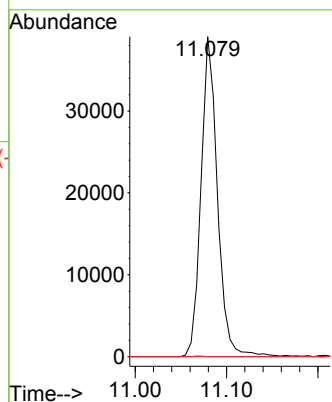
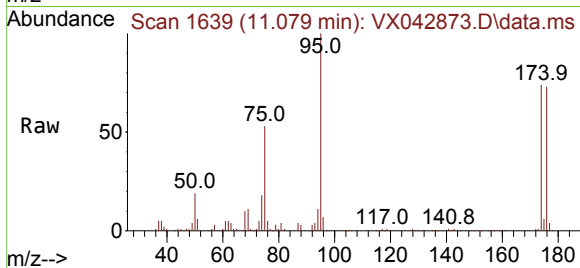




#77
 t-1,4-Dichloro-2-butene
 Concen: 40.518 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX042873.D
 Acq: 06 Aug 2024 15:56

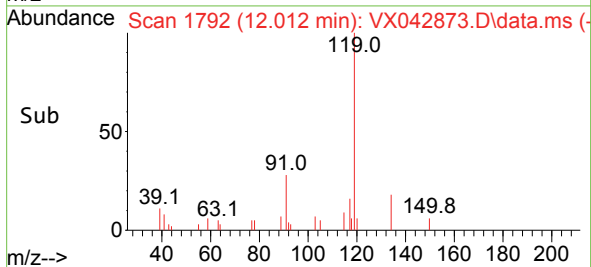
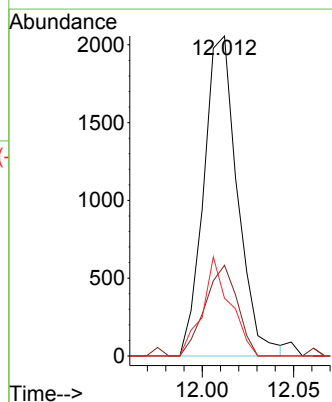
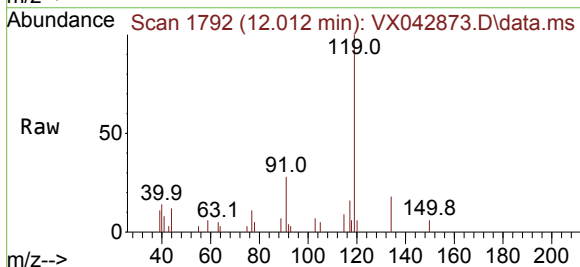
Instrument :
 MSVOA_X
 ClientSampleId :

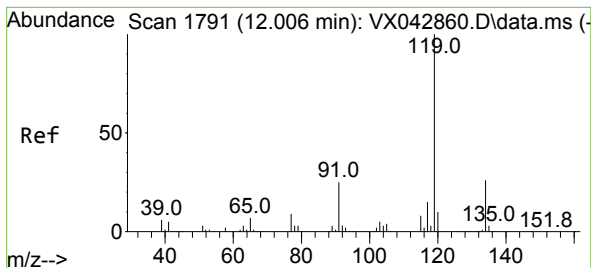
Tgt Ion: 75 Resp: 48729
 Ion Ratio Lower Upper
 75 100
 53 0.0 48.5 145.5#
 89 0.0 21.9 65.5#



#79
 tert-butylbenzene
 Concen: 0.265 ug/l
 RT: 12.012 min Scan# 1792
 Delta R.T. 0.299 min
 Lab File: VX042873.D
 Acq: 06 Aug 2024 15:56

Tgt Ion: 119 Resp: 2646
 Ion Ratio Lower Upper
 119 100
 91 27.1 0.0 118.6
 134 25.1 0.0 44.4





#82

p-Isopropyltoluene

Concen: 0.258 ug/l

RT: 12.012 min Scan# 1792

Delta R.T. 0.007 min

Lab File: VX042873.D

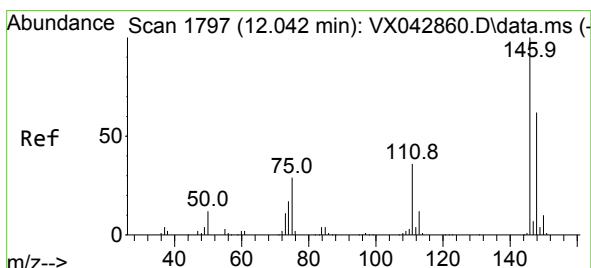
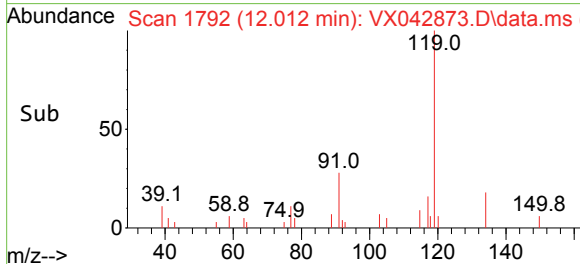
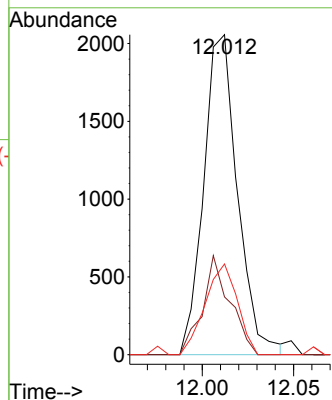
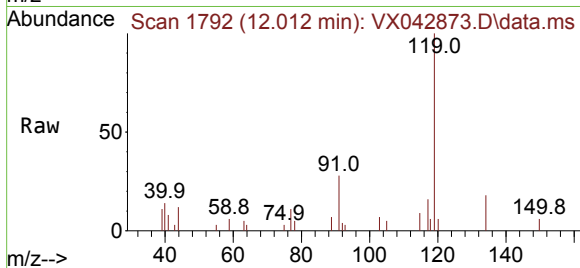
Acq: 06 Aug 2024 15:56

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:119	Resp:	2646
Ion	Ratio	Lower Upper
119	100	
134	25.1	0.0 51.8
91	27.1	0.0 48.4



#84

1,4-Dichlorobenzene

Concen: 0.345 ug/l

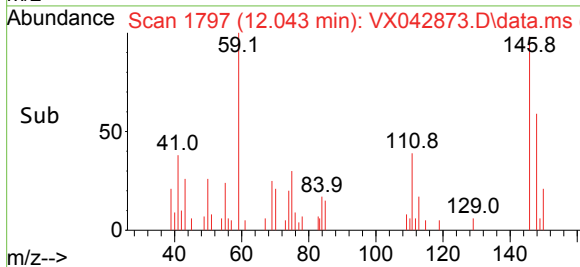
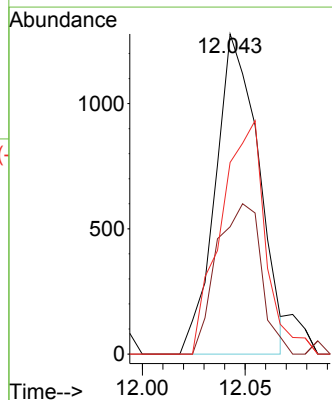
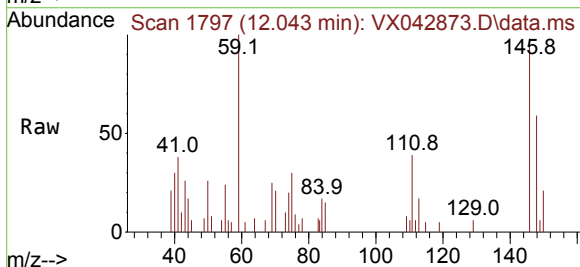
RT: 12.043 min Scan# 1797

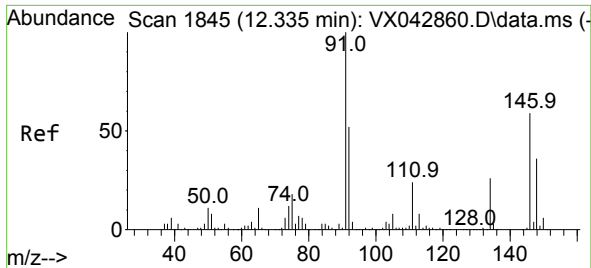
Delta R.T. 0.001 min

Lab File: VX042873.D

Acq: 06 Aug 2024 15:56

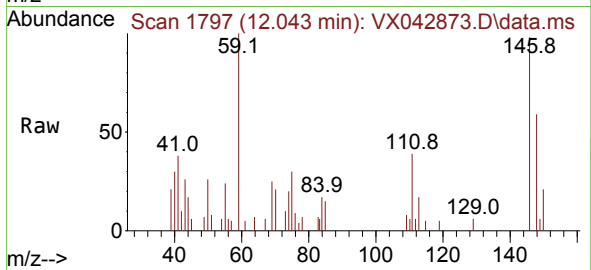
Tgt Ion:146	Resp:	1863
Ion	Ratio	Lower Upper
146	100	
111	48.7	19.4 58.4
148	75.6	31.4 94.2





#87
1,2-Dichlorobenzene
Concen: 0.348 ug/l
RT: 12.043 min Scan# 11
Delta R.T. -0.292 min
Lab File: VX042873.D
Acq: 06 Aug 2024 15:56

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:	146	Resp:	1863
Ion	Ratio	Lower	Upper
146	100		
111	48.7	21.0	63.0
148	75.6	30.8	92.4

