

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080624\
 Data File : VX042868.D
 Acq On : 06 Aug 2024 13:55
 Operator : JC/MD
 Sample : VX0806WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 07 04:59:43 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)

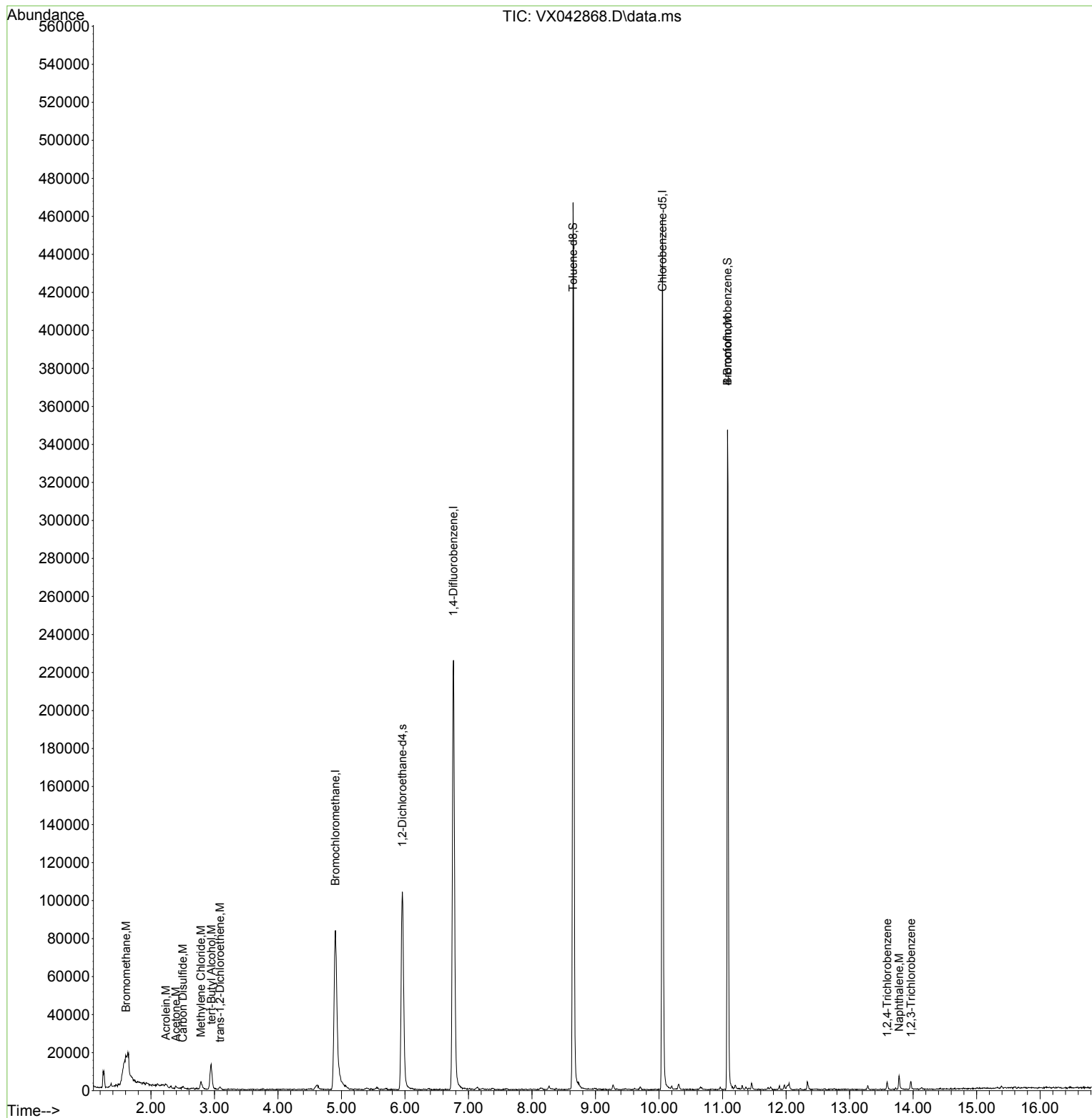
Internal Standards						
1) Bromochloromethane	4.903	128	40596	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	240035	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	210766	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	106224	28.336	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	94.467%
60) 4-Bromofluorobenzene	11.079	95	94012	27.341	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	91.133%
63) Toluene-d8	8.647	98	283541	29.783	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.267%
Target Compounds						
					Qvalue	
5) Bromomethane	1.605	94	1347	0.945	ug/l	86
13) Acrolein	2.233	56	125	0.814	ug/l #	69
15) Acetone	2.392	58	341	0.652	ug/l	99
16) Carbon Disulfide	2.501	76	2182	0.432	ug/l	99
18) Methylene Chloride	2.788	84	1953	0.693	ug/l	92
19) trans-1,2-Dichloroethene	3.087	96	503	0.203	ug/l	82
23) tert-Butyl Alcohol	2.953	59	7967	10.705	ug/l #	100
56) Bromoform	11.079	173	762	0.351	ug/l #	1
89) 1,2,4-Trichlorobenzene	13.591	180	1411	0.414	ug/l #	84
91) Naphthalene	13.780	128	5429	0.473	ug/l	98
92) 1,2,3-Trichlorobenzene	13.969	180	1424	0.413	ug/l	86

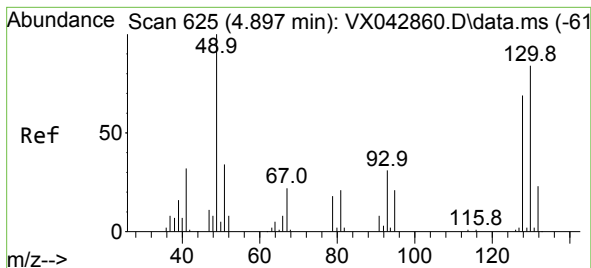
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

Quant Time: Aug 07 04:59:43 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





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 4.903 min Scan# 61

Delta R.T. 0.006 min

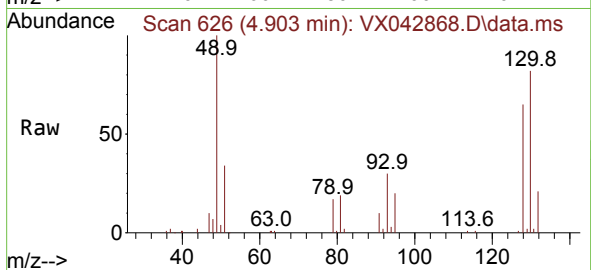
Lab File: VX042868.D

Acq: 06 Aug 2024 13:55

Instrument :

MSVOA_X

ClientSampleId :



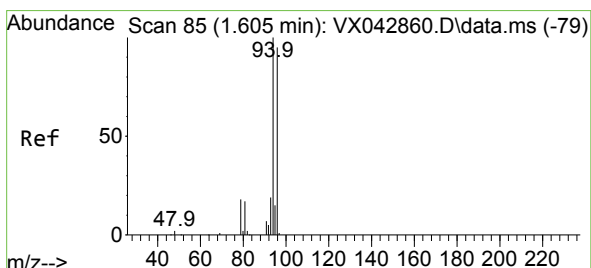
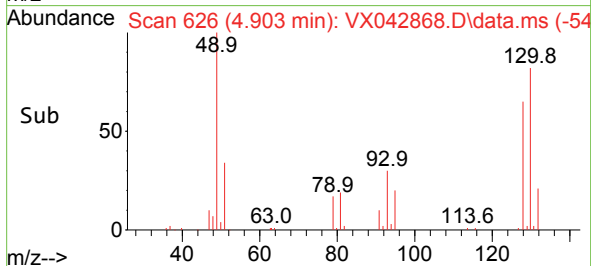
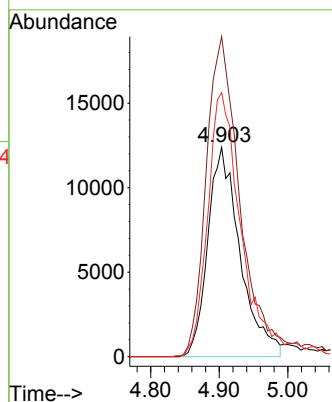
Tgt Ion:128 Resp: 40596

Ion Ratio Lower Upper

128 100

49 160.5 0.0 400.5

130 125.6 0.0 333.0



#5

Bromomethane

Concen: 0.945 ug/l

RT: 1.605 min Scan# 85

Delta R.T. 0.000 min

Lab File: VX042868.D

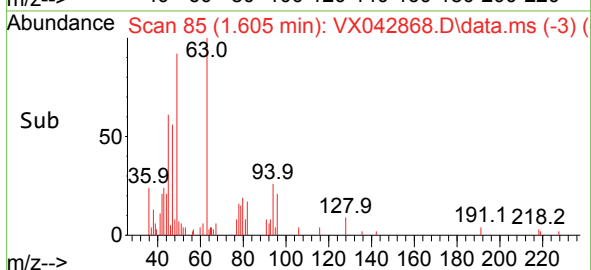
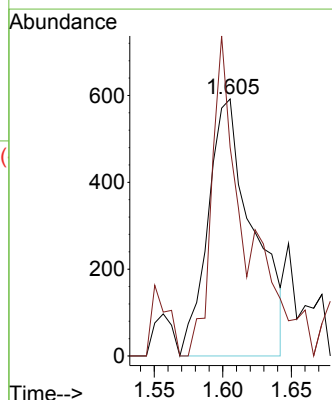
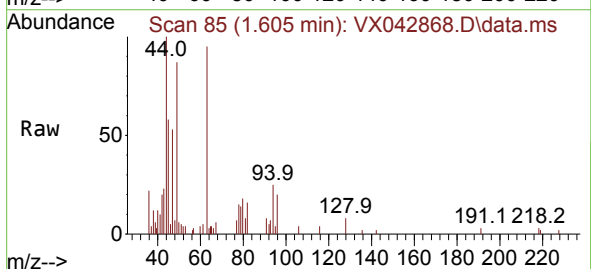
Acq: 06 Aug 2024 13:55

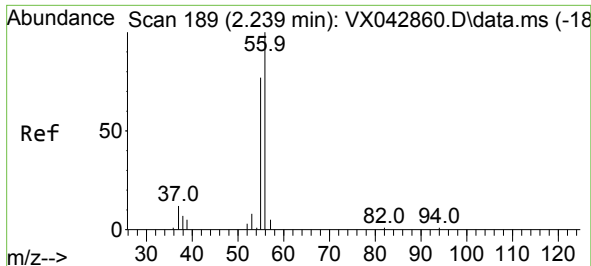
Tgt Ion: 94 Resp: 1347

Ion Ratio Lower Upper

94 100

96 81.3 76.2 114.4

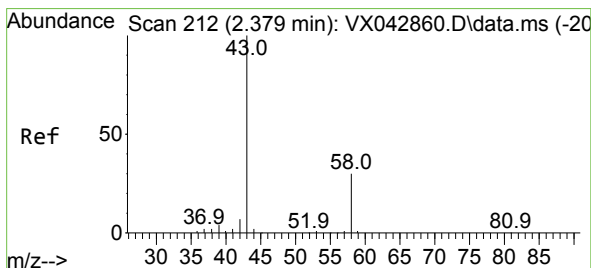
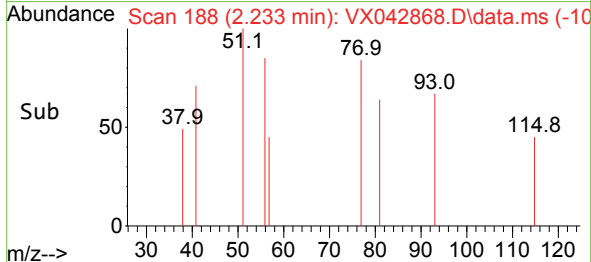
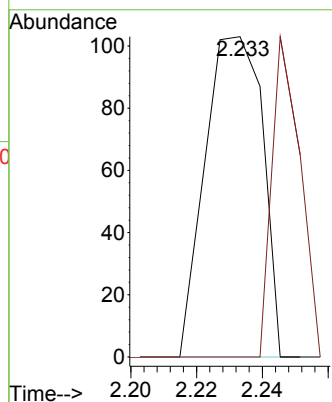
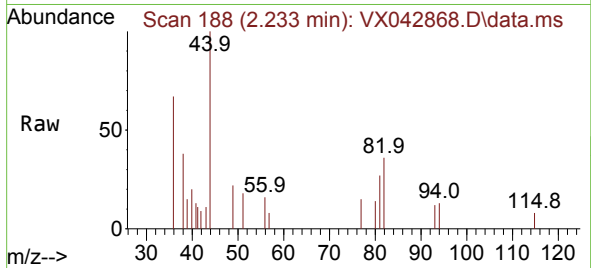




#13
Acrolein
Concen: 0.814 ug/l
RT: 2.233 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX042868.D
Acq: 06 Aug 2024 13:55

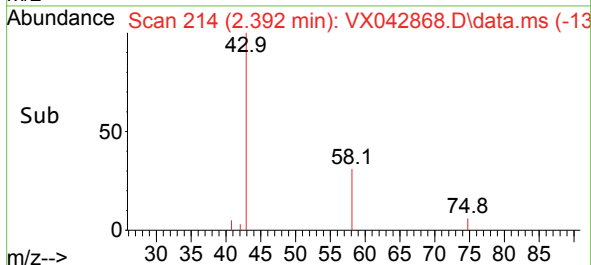
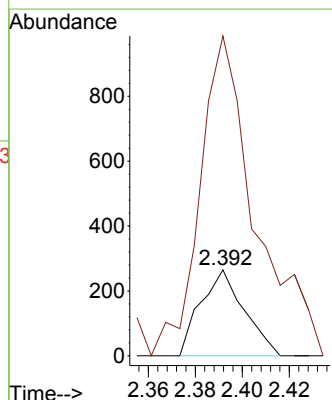
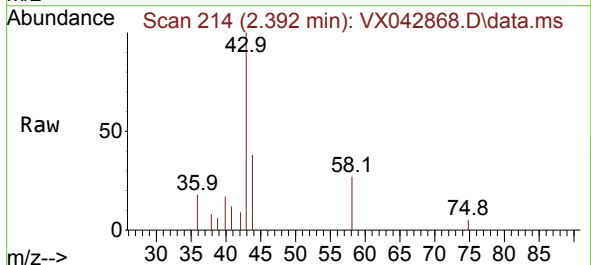
Instrument :
MSVOA_X
ClientSampleId :

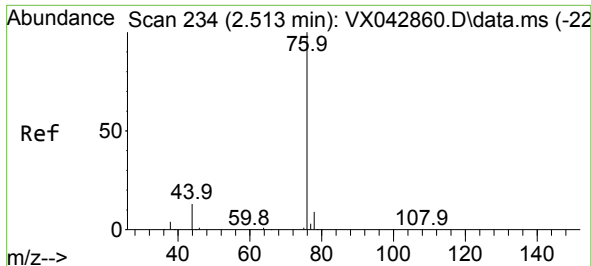
Tgt Ion: 56 Resp: 125
Ion Ratio Lower Upper
56 100
55 48.8 60.6 90.8#



#15
Acetone
Concen: 0.652 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.012 min
Lab File: VX042868.D
Acq: 06 Aug 2024 13:55

Tgt Ion: 58 Resp: 341
Ion Ratio Lower Upper
58 100
43 340.4 269.9 404.9

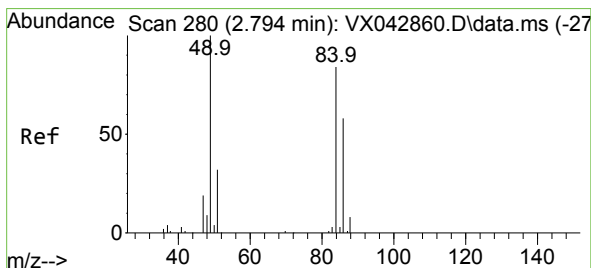
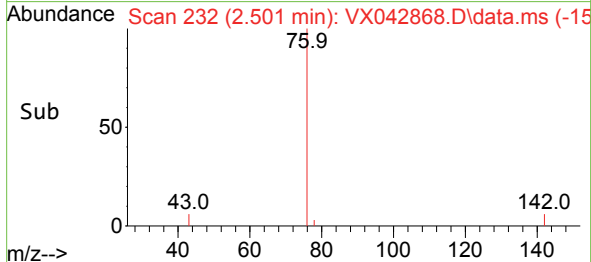
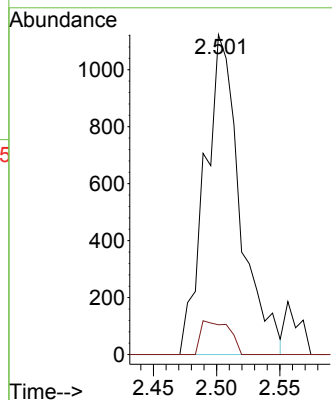
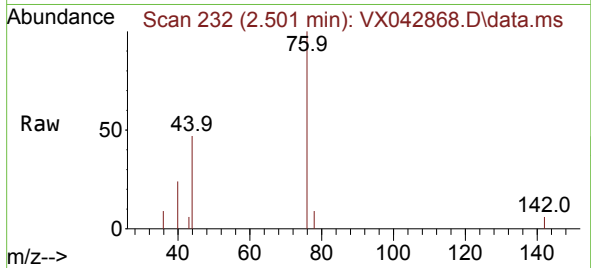




#16
Carbon Disulfide
Concen: 0.432 ug/l
RT: 2.501 min Scan# 21
Delta R.T. -0.012 min
Lab File: VX042868.D
Acq: 06 Aug 2024 13:55

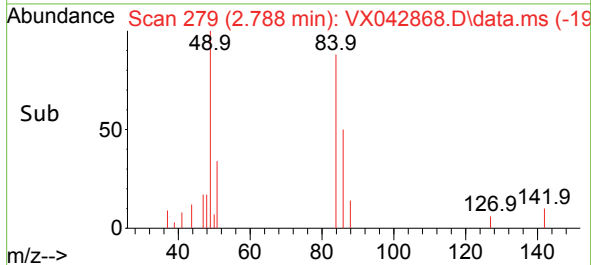
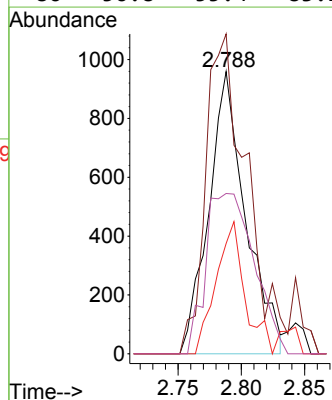
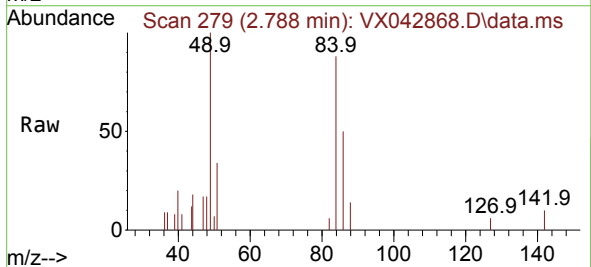
Instrument :
MSVOA_X
ClientSampleId :

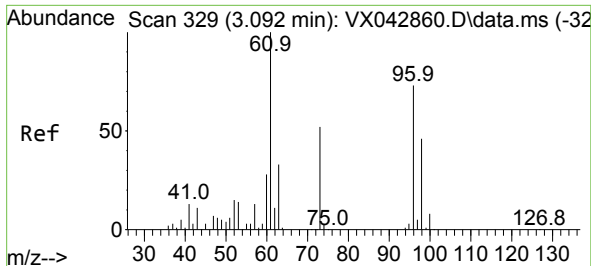
Tgt Ion: 76 Resp: 2182
Ion Ratio Lower Upper
76 100
78 9.3 7.1 10.7



#18
Methylene Chloride
Concen: 0.693 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.006 min
Lab File: VX042868.D
Acq: 06 Aug 2024 13:55

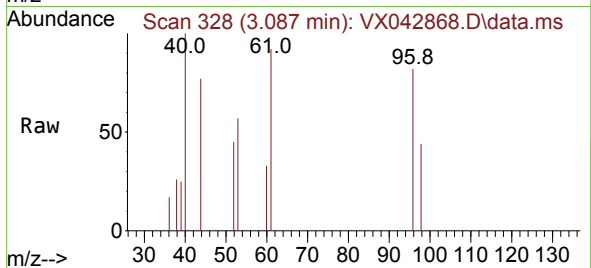
Tgt Ion: 84 Resp: 1953
Ion Ratio Lower Upper
84 100
49 113.3 95.0 142.6
51 39.1 30.1 45.1
86 56.8 55.4 83.2





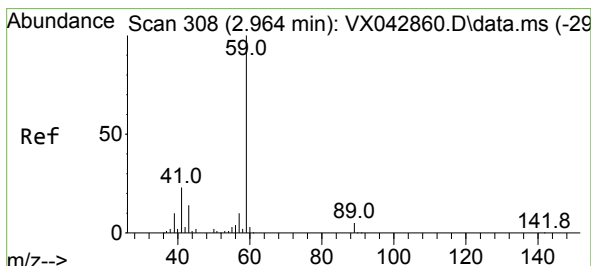
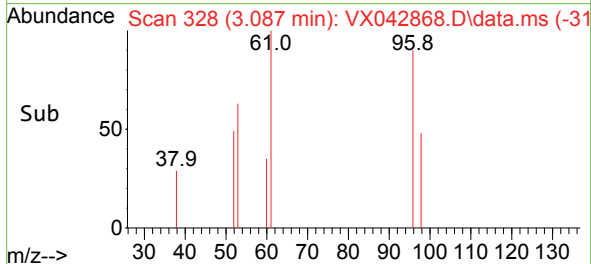
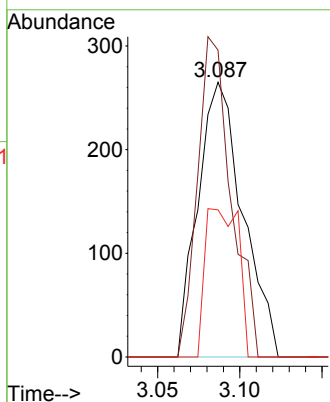
#19
 trans-1,2-Dichloroethene
 Concen: 0.203 ug/l
 RT: 3.087 min Scan# 31
 Delta R.T. -0.006 min
 Lab File: VX042868.D
 Acq: 06 Aug 2024 13:55

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 96 Resp: 503

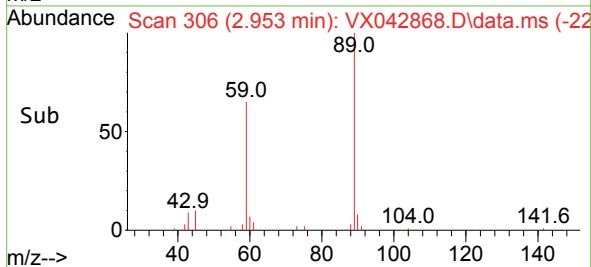
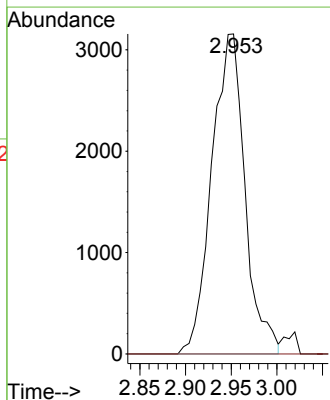
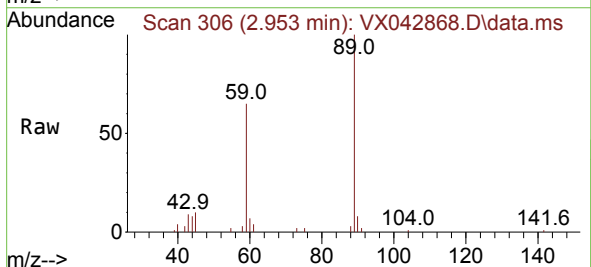
Ion	Ratio	Lower	Upper
96	100		
61	111.7	109.6	164.4
98	53.6	50.4	75.6

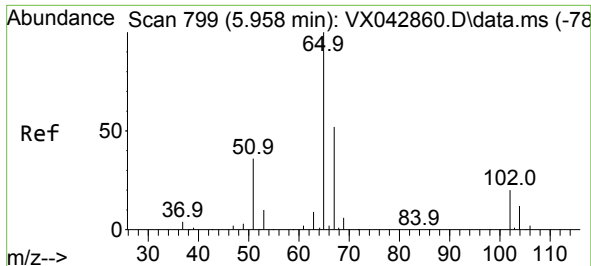


#23
 tert-Butyl Alcohol
 Concen: 10.705 ug/l
 RT: 2.953 min Scan# 306
 Delta R.T. -0.012 min
 Lab File: VX042868.D
 Acq: 06 Aug 2024 13:55

Tgt Ion: 59 Resp: 7967

Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.1	0.1#





#27

1,2-Dichloroethane-d4

Concen: 28.336 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX042868.D

Acq: 06 Aug 2024 13:55

Instrument :

MSVOA_X

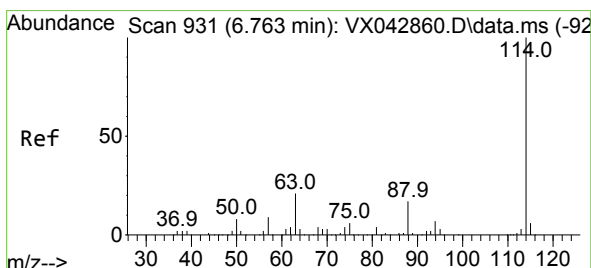
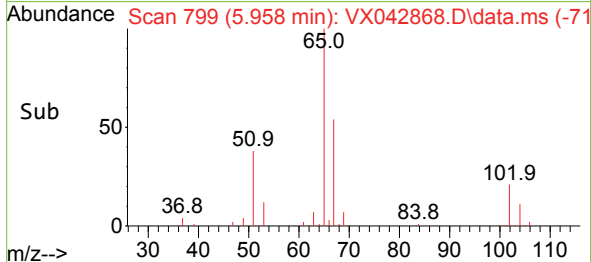
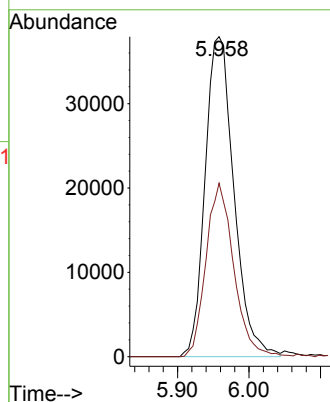
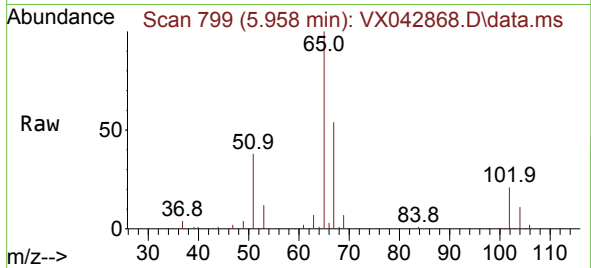
ClientSampleId :

Tgt Ion: 65 Resp: 106224

Ion Ratio Lower Upper

65 100

67 52.2 40.6 60.8



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX042868.D

Acq: 06 Aug 2024 13:55

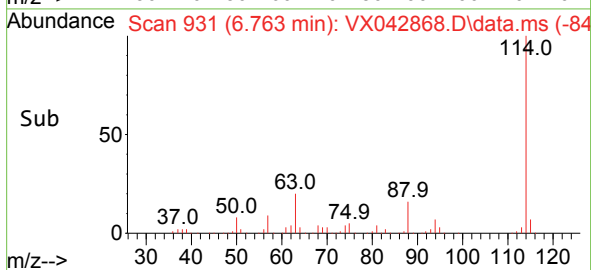
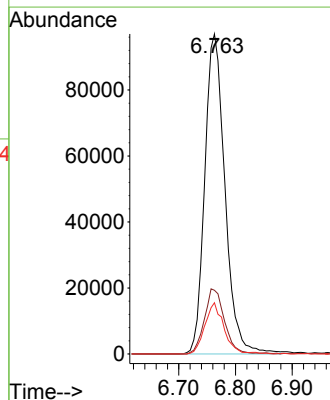
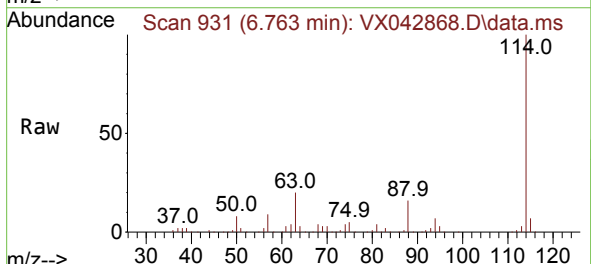
Tgt Ion: 114 Resp: 240035

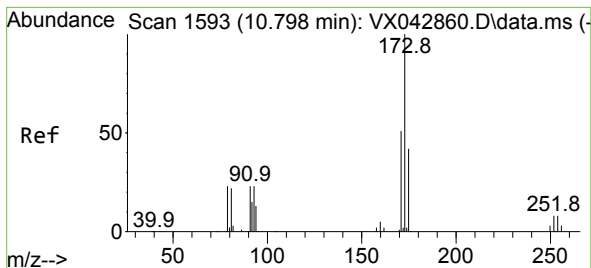
Ion Ratio Lower Upper

114 100

63 20.1 16.0 24.0

88 14.9 12.5 18.7





#56

Bromoform

Concen: 0.351 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.281 min

Lab File: VX042868.D

Acq: 06 Aug 2024 13:55

Instrument :

MSVOA_X

ClientSampleId :

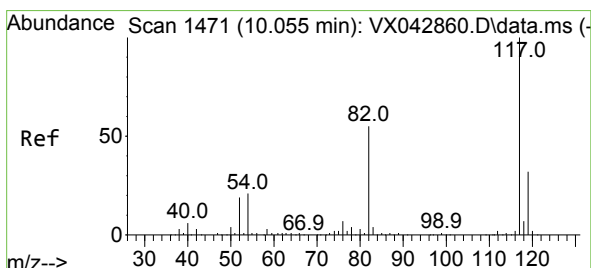
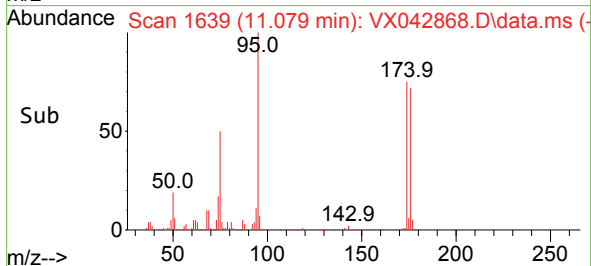
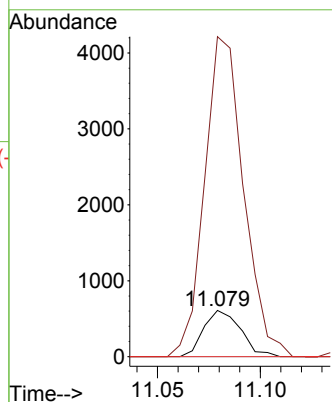
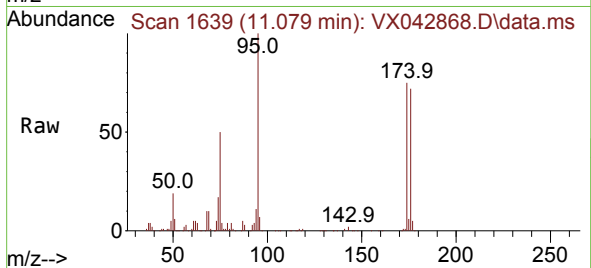
Tgt Ion:173 Resp: 762

Ion Ratio Lower Upper

173 100

175 730.6 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. 0.000 min

Lab File: VX042868.D

Acq: 06 Aug 2024 13:55

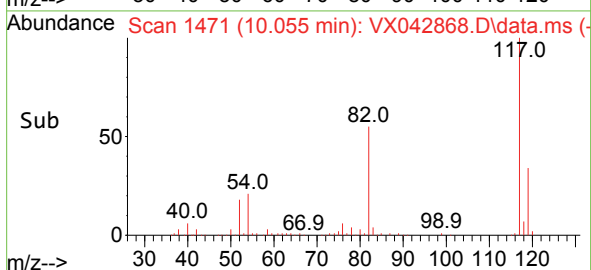
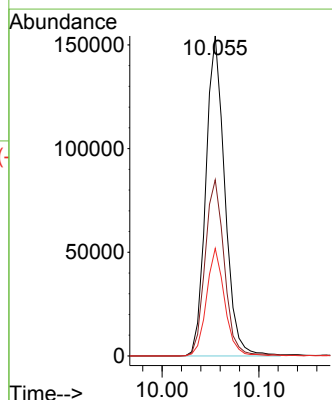
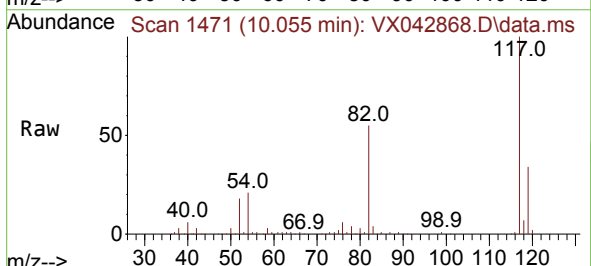
Tgt Ion:117 Resp: 210766

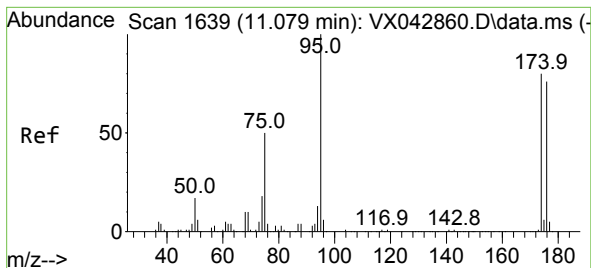
Ion Ratio Lower Upper

117 100

82 55.9 44.9 67.3

119 32.3 25.4 38.2

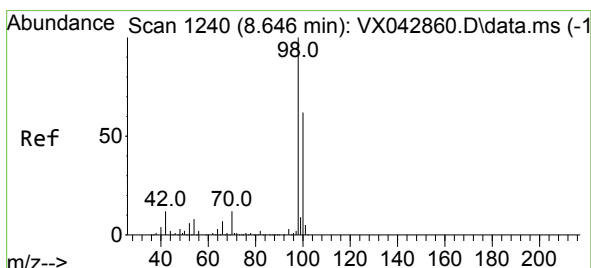
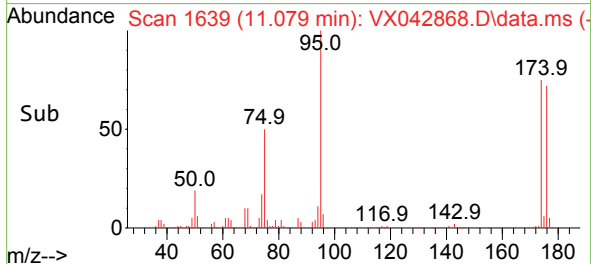
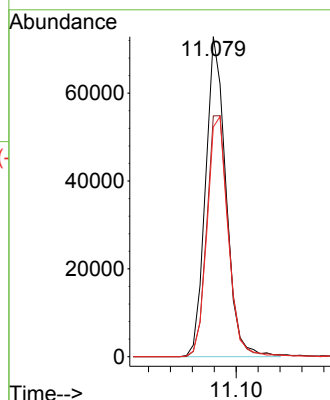
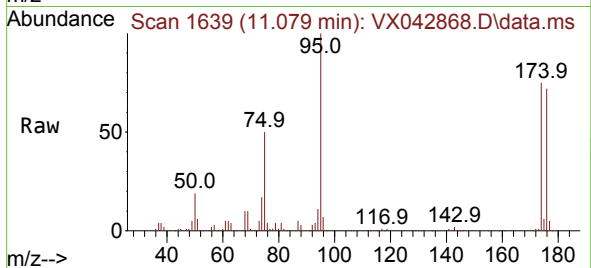




#60
4-Bromofluorobenzene
Concen: 27.341 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX042868.D
Acq: 06 Aug 2024 13:55

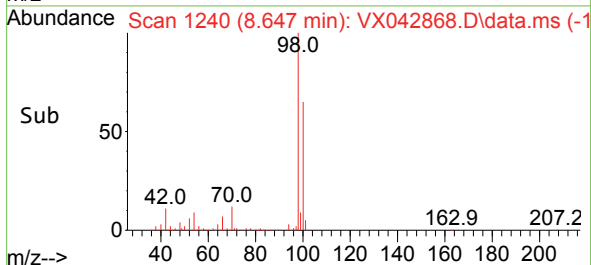
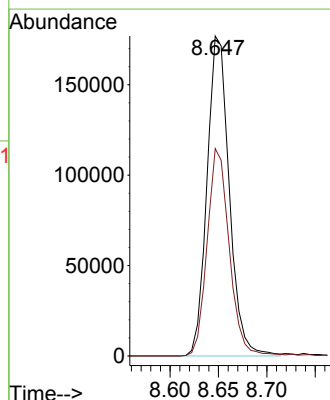
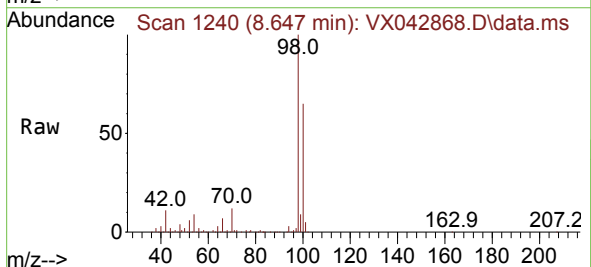
Instrument :
MSVOA_X
ClientSampleId :

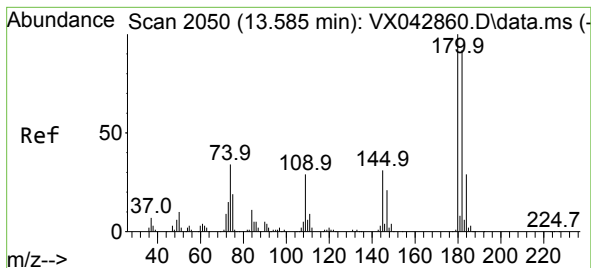
Tgt Ion: 95 Resp: 94012
Ion Ratio Lower Upper
95 100
174 80.2 65.0 97.6
176 77.0 63.4 95.0



#63
Toluene-d8
Concen: 29.783 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX042868.D
Acq: 06 Aug 2024 13:55

Tgt Ion: 98 Resp: 283541
Ion Ratio Lower Upper
98 100
100 64.4 50.9 76.3





#89

1,2,4-Trichlorobenzene

Concen: 0.414 ug/l

RT: 13.591 min Scan# 2050

Delta R.T. 0.006 min

Lab File: VX042868.D

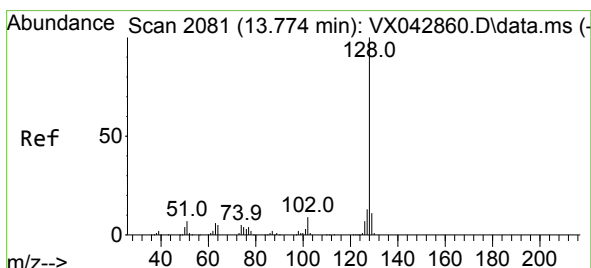
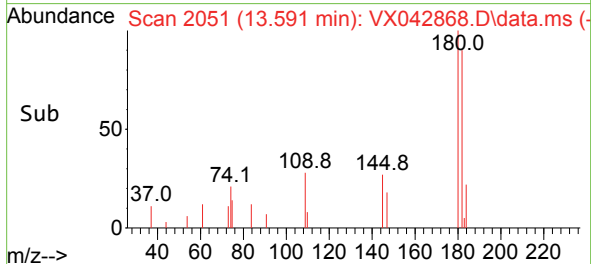
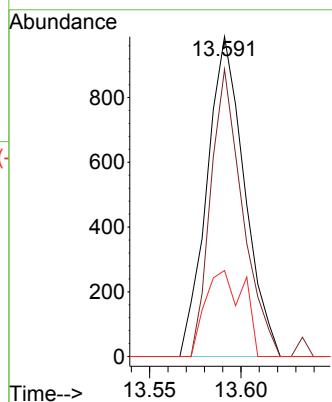
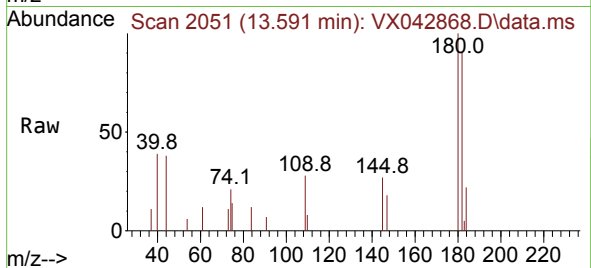
Acq: 06 Aug 2024 13:55

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:180	Resp:	1411
Ion Ratio	Lower	Upper
180	100	
182	76.3	73.1 109.7
145	21.0	24.6 37.0#



#91

Naphthalene

Concen: 0.473 ug/l

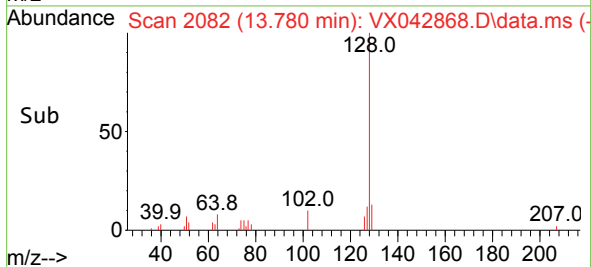
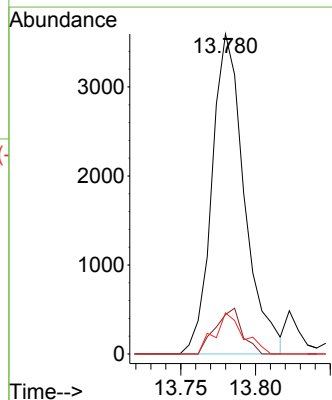
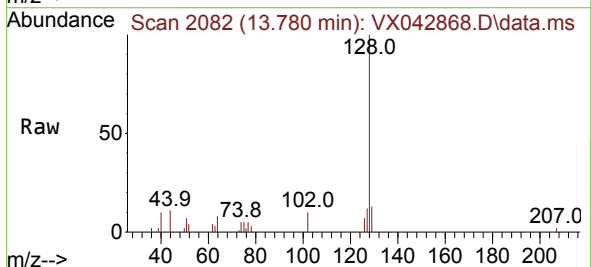
RT: 13.780 min Scan# 2082

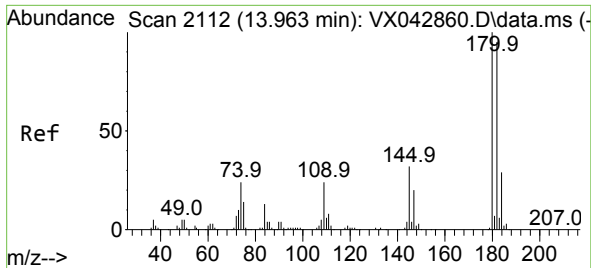
Delta R.T. 0.006 min

Lab File: VX042868.D

Acq: 06 Aug 2024 13:55

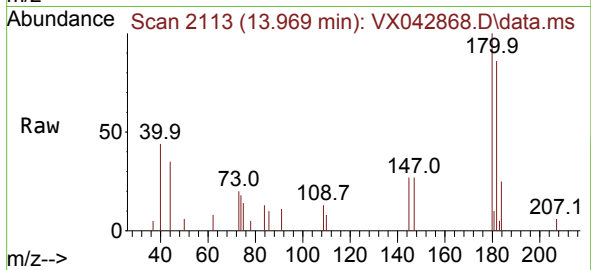
Tgt Ion:128	Resp:	5429
Ion Ratio	Lower	Upper
128	100	
127	11.7	10.2 15.4
129	11.3	8.8 13.2





#92
 1,2,3-Trichlorobenzene
 Concen: 0.413 ug/l
 RT: 13.969 min Scan# 2113
 Delta R.T. 0.006 min
 Lab File: VX042868.D
 Acq: 06 Aug 2024 13:55

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:	180	Resp:	1424
Ion Ratio	Lower	Upper	
180	100		
182	104.1	0.0	185.8
145	20.6	0.0	65.2

