

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080824\
 Data File : VX042967.D
 Acq On : 09 Aug 2024 03:20
 Operator : JC/MD
 Sample : P3457-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 09 05:50:24 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X080724W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 07 02:55:22 2024
 Response via : Initial Calibration

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

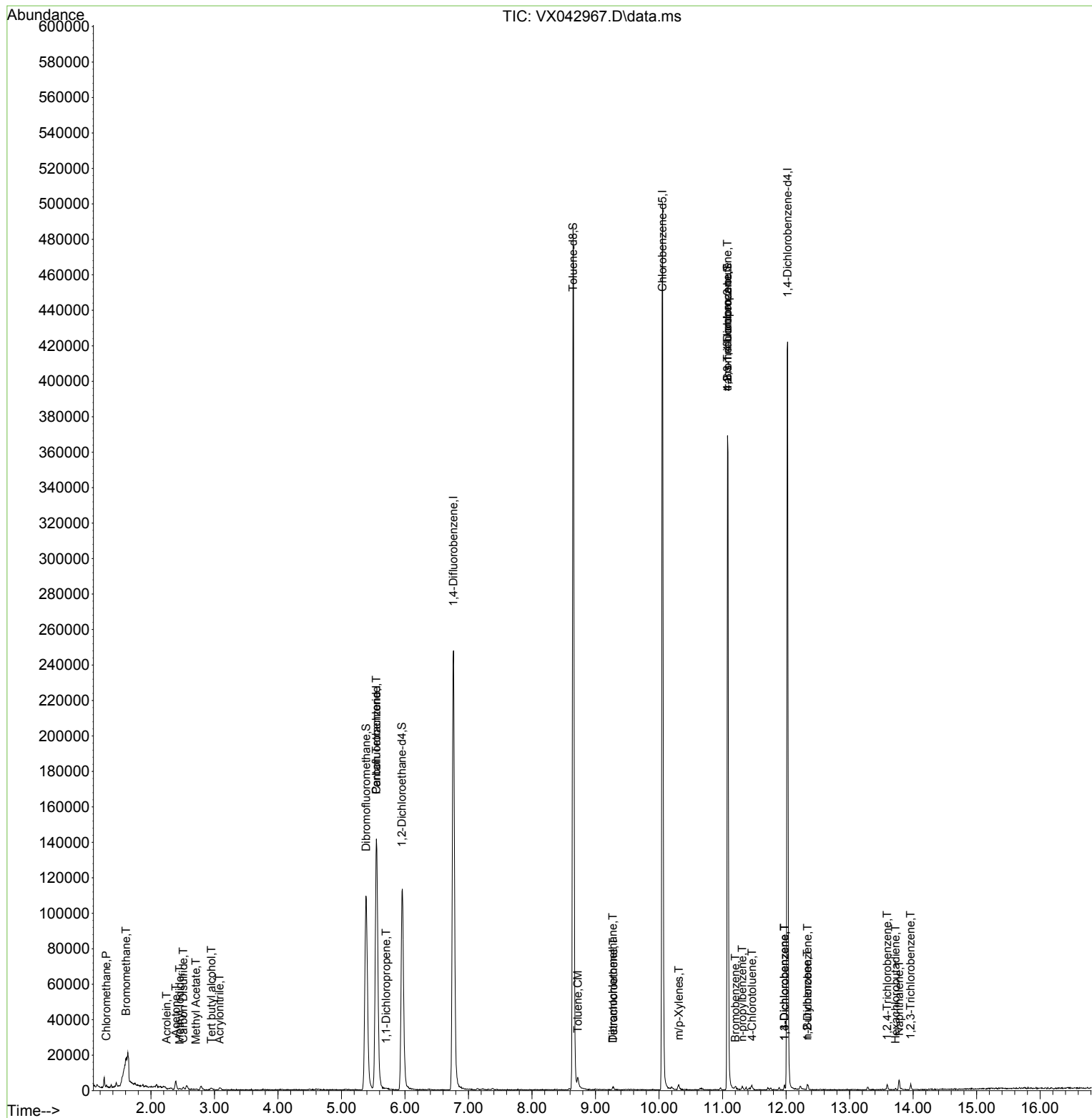
Internal Standards						
1) Pentafluorobenzene	5.550	168	134370	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	256280	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	231982	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	89886	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	116950	63.400	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 126.800%#		
35) Dibromofluoromethane	5.385	113	97293	58.062	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 116.120%		
50) Toluene-d8	8.647	98	296437	49.832	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 99.660%		
62) 4-Bromofluorobenzene	11.079	95	103578	48.454	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 96.900%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	1128	0.715	ug/l	91
5) Bromomethane	1.605	94	1399	1.544	ug/l #	40
10) Methyl Iodide	2.453	142	335	0.221	ug/l #	54
11) Tert butyl alcohol	2.953	59	841	2.292	ug/l #	78
13) Acrolein	2.245	56	226	0.625	ug/l #	77
15) Acrylonitrile	3.081	53	351	0.375	ug/l #	79
16) Acetone	2.392	43	5118	6.397	ug/l	94
17) Carbon Disulfide	2.508	76	2123	0.589	ug/l	97
18) Methyl Acetate	2.709	43	634	0.250	ug/l #	61
20) Methylene Chloride	2.794	84	1056	Below Cal	#	72
36) 1,1-Dichloropropene	5.702	75	608	0.268	ug/l #	52
38) Carbon Tetrachloride	5.550	117	15107	5.891	ug/l #	14
52) Toluene	8.720	92	2074	0.485	ug/l	98
60) Dibromochloromethane	9.275	129	447	0.234	ug/l #	11
64) Tetrachloroethene	9.281	164	382	0.237	ug/l #	61
68) m/p-Xylenes	10.311	106	919	0.291	ug/l	91
76) 1,2,3-Trichloropropane	11.079	75	54261	26.842	ug/l #	39
77) Bromobenzene	11.201	156	352	0.213	ug/l	90
78) n-propylbenzene	11.311	91	1502	0.208	ug/l	93
81) trans-1,4-Dichloro-2-b...	11.079	75	54261	87.277	ug/l #	5
82) 4-Chlorotoluene	11.463	91	1327	0.255	ug/l	90
87) 1,3-Dichlorobenzene	11.975	146	944	0.316	ug/l	85
88) 1,4-Dichlorobenzene	11.975	146	944	0.308	ug/l	86
89) n-Butylbenzene	12.335	91	1273	0.273	ug/l	86
91) 1,2-Dichlorobenzene	12.341	146	658	0.220	ug/l	86
93) 1,2,4-Trichlorobenzene	13.591	180	1045	0.572	ug/l	86
94) Hexachlorobutadiene	13.725	225	190	0.245	ug/l #	33
95) Naphthalene	13.780	128	4817	0.762	ug/l #	92
96) 1,2,3-Trichlorobenzene	13.963	180	1167	0.634	ug/l	90

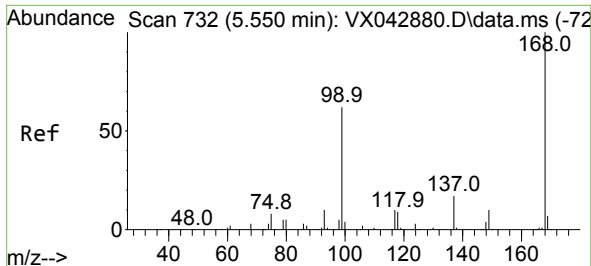
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080824\
Data File : VX042967.D
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Sample : P3457-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

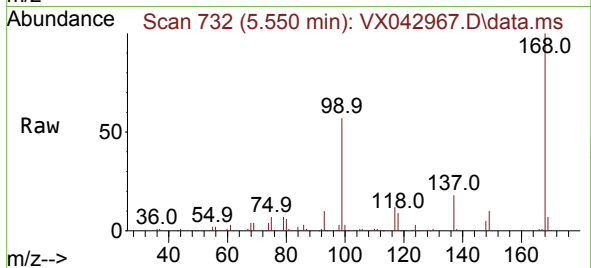
Quant Time: Aug 09 05:50:24 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X080724W.M
Quant Title : SW846 8260
QLast Update : Wed Aug 07 02:55:22 2024
Response via : Initial Calibration



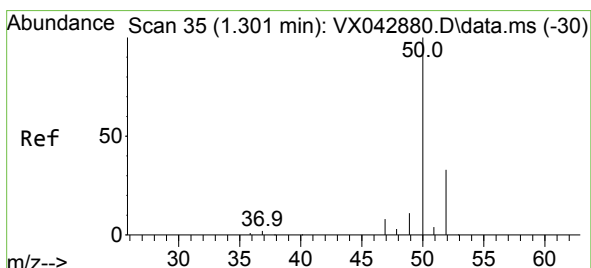
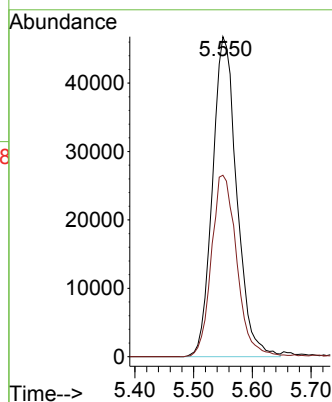
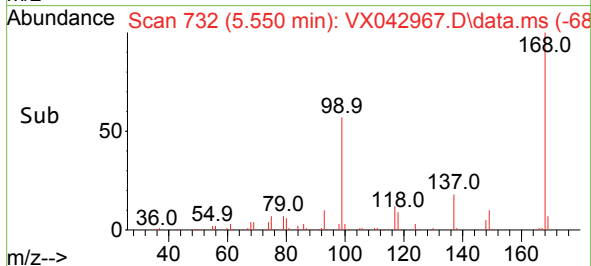


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX042967.D
Acq: 09 Aug 2024 03:20

Instrument :
MSVOA_X
ClientSampleId :

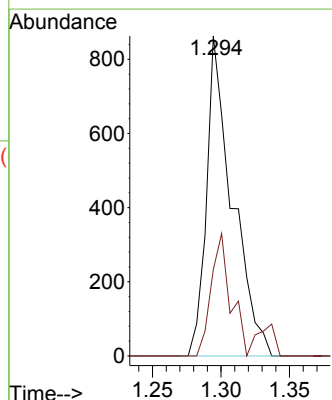
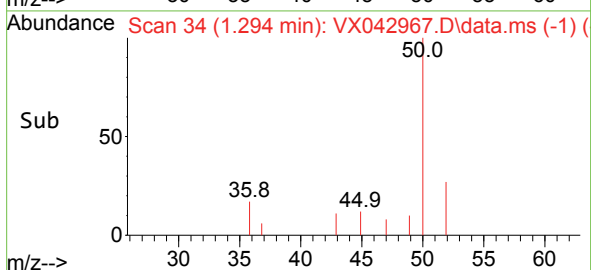
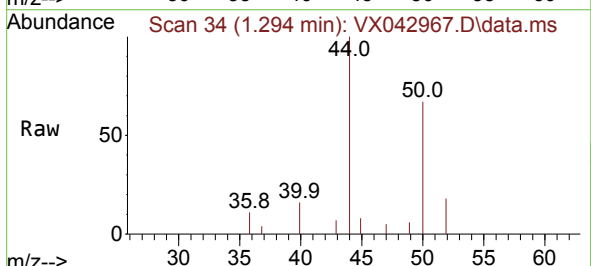


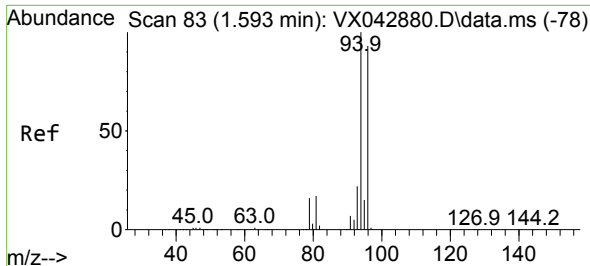
Tgt Ion:168 Resp: 134370
Ion Ratio Lower Upper
168 100
99 56.7 56.6 85.0



#3
Chloromethane
Concen: 0.715 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.006 min
Lab File: VX042967.D
Acq: 09 Aug 2024 03:20

Tgt Ion: 50 Resp: 1128
Ion Ratio Lower Upper
50 100
52 27.0 25.5 38.3

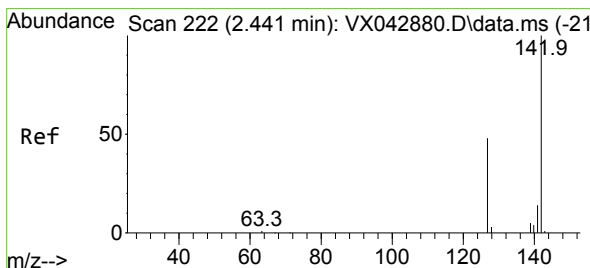
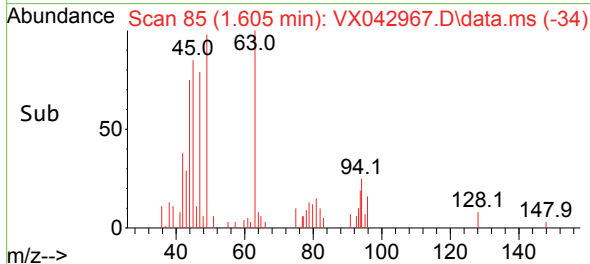
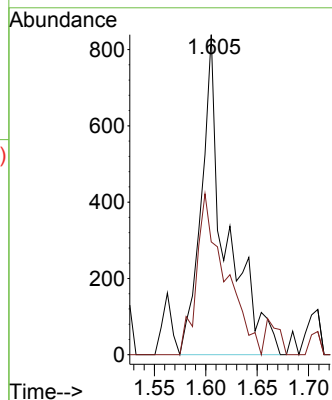
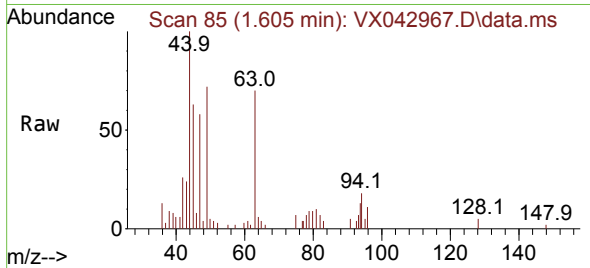




#5
Bromomethane
Concen: 1.544 ug/l
RT: 1.605 min Scan# 81
Delta R.T. 0.012 min
Lab File: VX042967.D
Acq: 09 Aug 2024 03:20

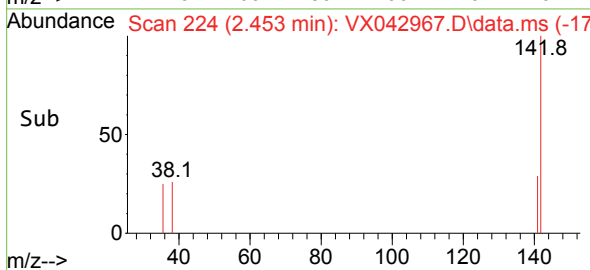
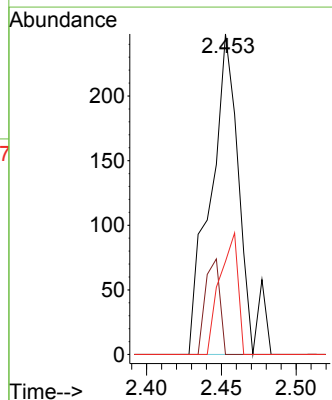
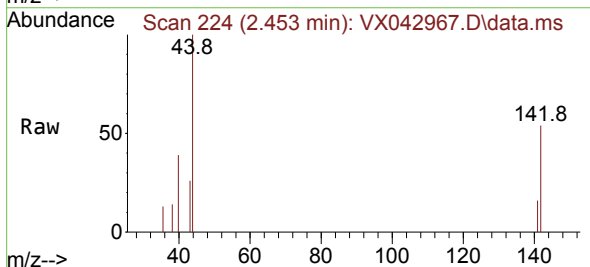
Instrument :
MSVOA_X
ClientSampleId :

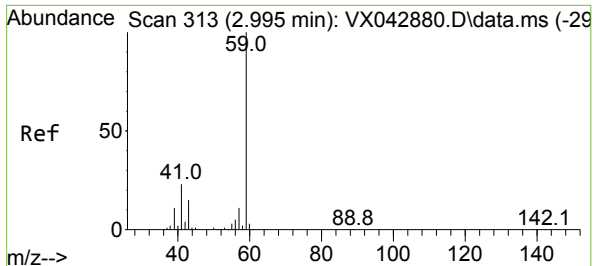
Tgt Ion: 94 Resp: 1399
Ion Ratio Lower Upper
94 100
96 35.3 74.6 111.8#



#10
Methyl Iodide
Concen: 0.221 ug/l
RT: 2.453 min Scan# 224
Delta R.T. 0.012 min
Lab File: VX042967.D
Acq: 09 Aug 2024 03:20

Tgt Ion: 142 Resp: 335
Ion Ratio Lower Upper
142 100
127 14.9 41.6 62.4#
141 23.9 11.6 17.4#





#11

Tert butyl alcohol

Concen: 2.292 ug/l

RT: 2.953 min Scan# 306

Delta R.T. -0.043 min

Lab File: VX042967.D

Acq: 09 Aug 2024 03:20

Instrument :

MSVOA_X

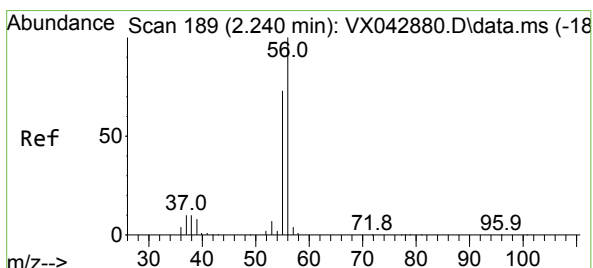
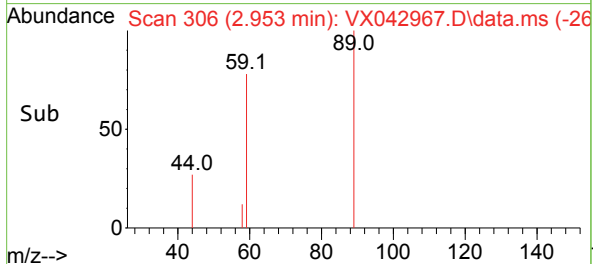
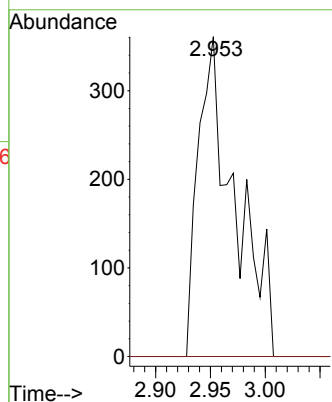
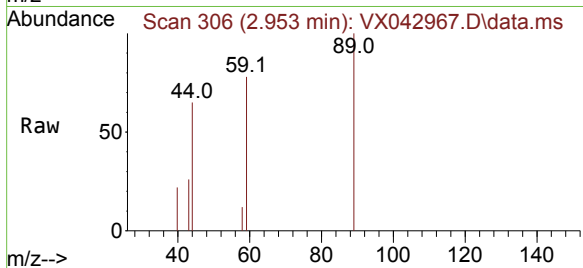
ClientSampleId :

Tgt Ion: 59 Resp: 841

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#13

Acrolein

Concen: 0.625 ug/l

RT: 2.245 min Scan# 190

Delta R.T. 0.006 min

Lab File: VX042967.D

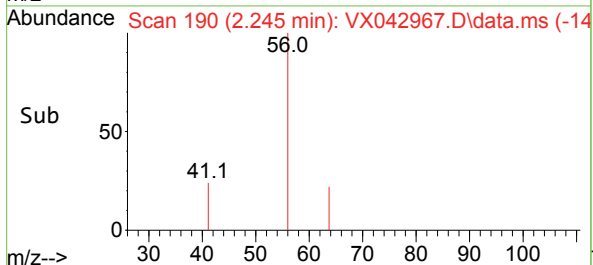
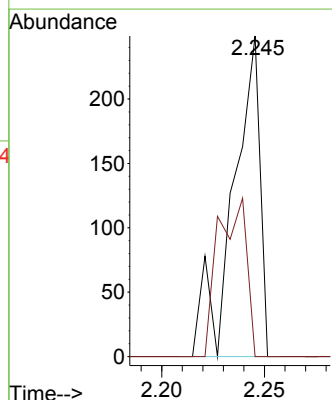
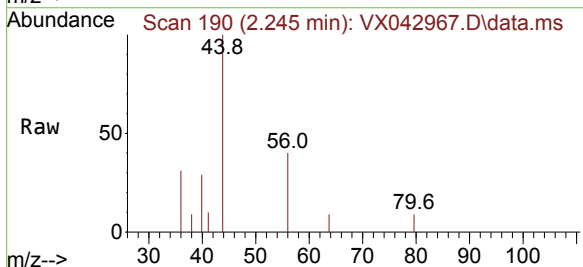
Acq: 09 Aug 2024 03:20

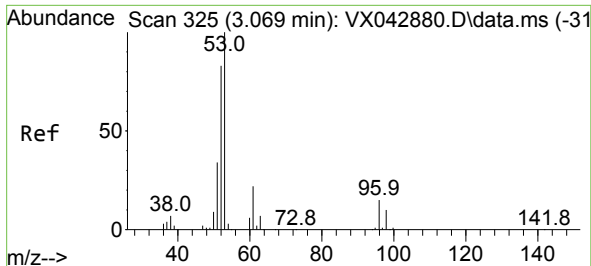
Tgt Ion: 56 Resp: 226

Ion Ratio Lower Upper

56 100

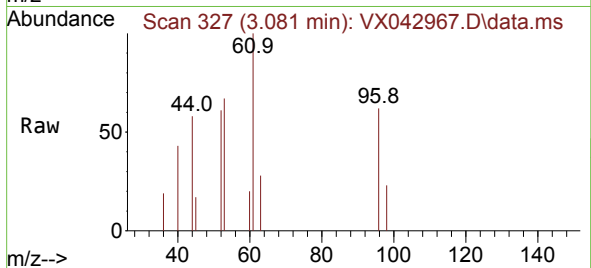
55 52.2 57.1 85.7#



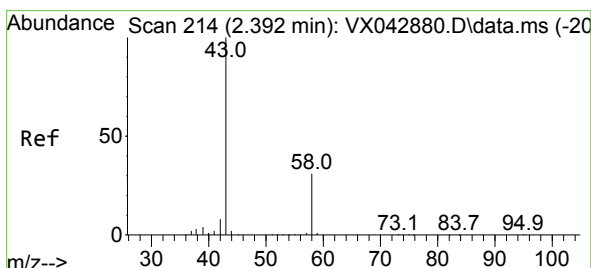
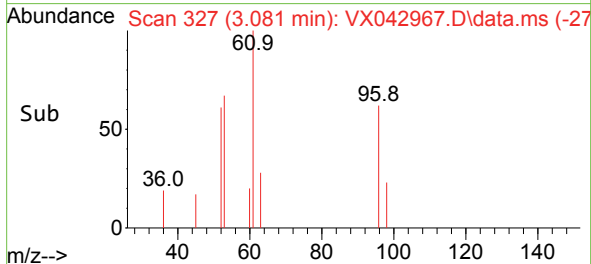
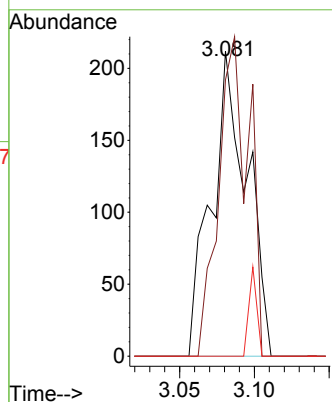


#15
Acrylonitrile
Concen: 0.375 ug/l
RT: 3.081 min Scan# 31
Delta R.T. 0.012 min
Lab File: VX042967.D
Acq: 09 Aug 2024 03:20

Instrument :
MSVOA_X
ClientSampleId :

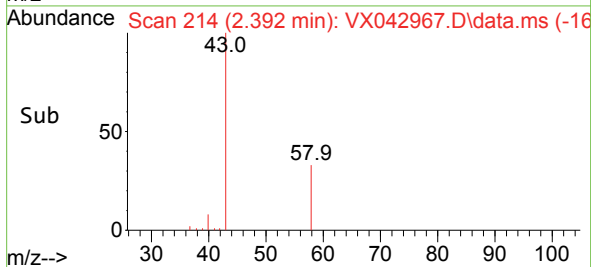
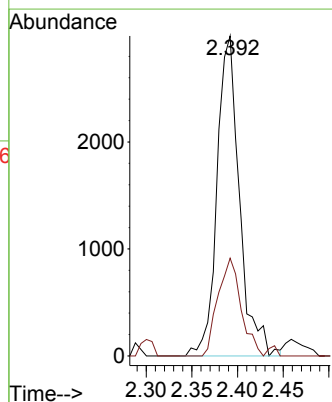
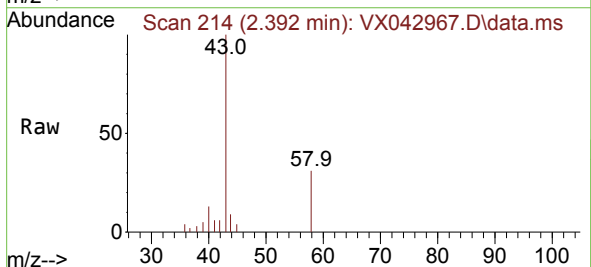


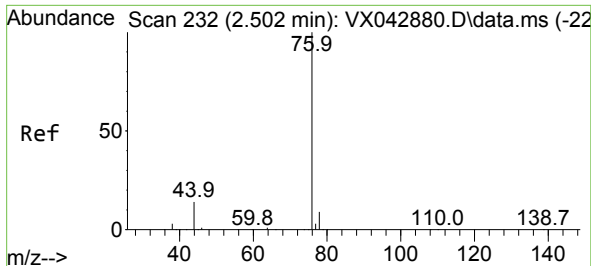
Tgt Ion: 53 Resp: 351
Ion Ratio Lower Upper
53 100
52 88.6 66.0 99.0
51 6.6 29.8 44.6#



#16
Acetone
Concen: 6.397 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX042967.D
Acq: 09 Aug 2024 03:20

Tgt Ion: 43 Resp: 5118
Ion Ratio Lower Upper
43 100
58 30.5 21.9 32.9





#17

Carbon Disulfide

Concen: 0.589 ug/l

RT: 2.508 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX042967.D

Acq: 09 Aug 2024 03:20

Instrument :

MSVOA_X

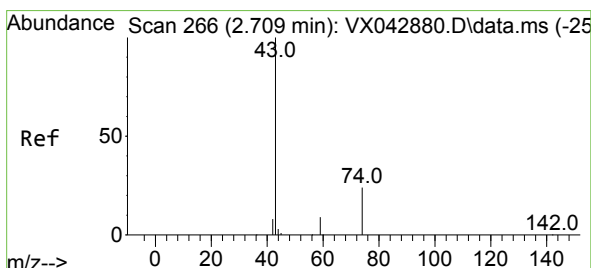
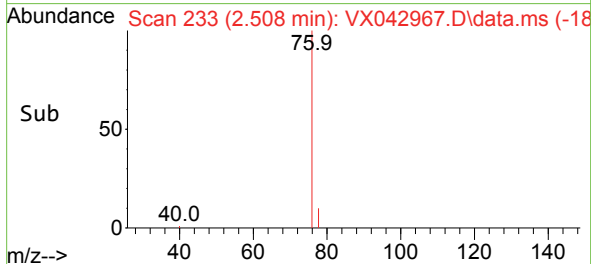
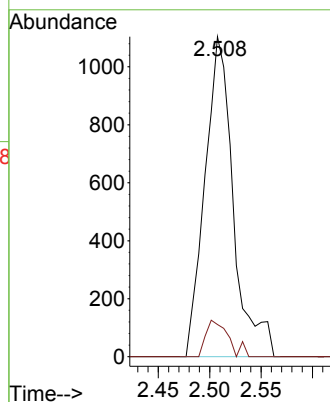
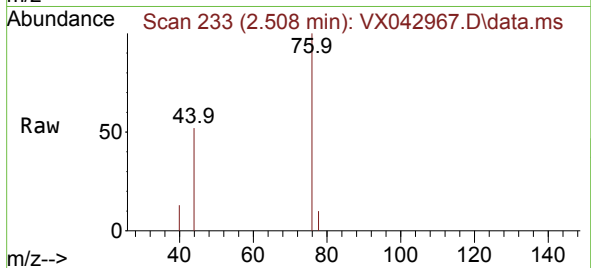
ClientSampleId :

Tgt Ion: 76 Resp: 2123

Ion Ratio Lower Upper

76 100

78 10.1 7.0 10.6



#18

Methyl Acetate

Concen: 0.250 ug/l

RT: 2.709 min Scan# 266

Delta R.T. -0.000 min

Lab File: VX042967.D

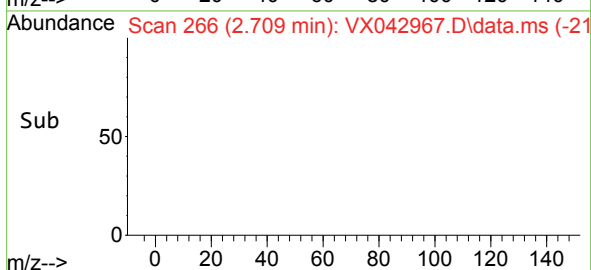
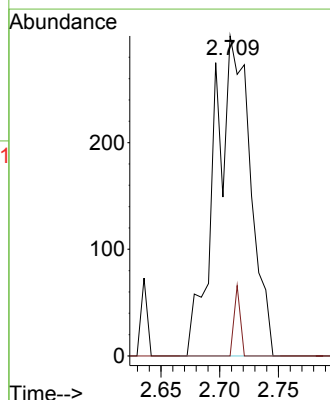
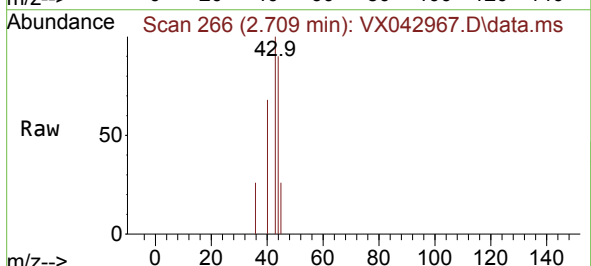
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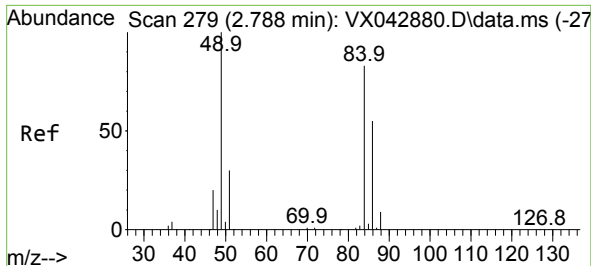
Tgt Ion: 43 Resp: 634

Ion Ratio Lower Upper

43 100

74 3.8 17.8 26.8#

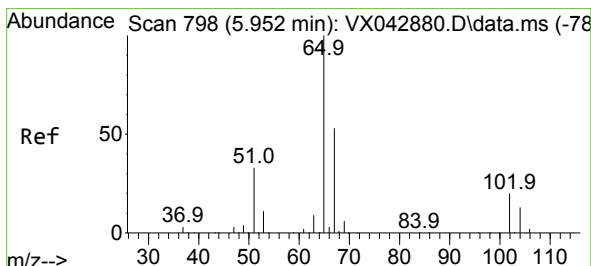
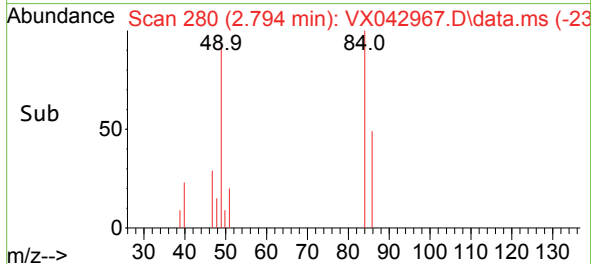
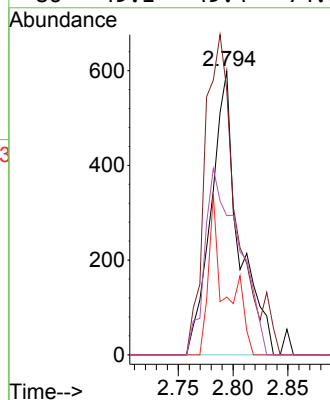
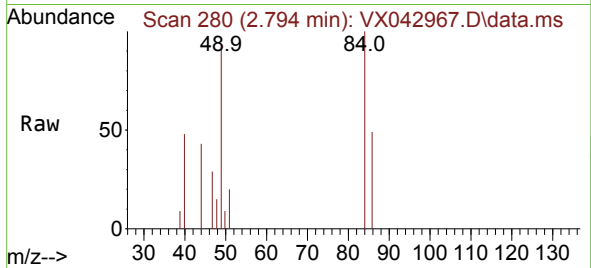




#20
Methylene Chloride
Concen: Below Cal
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX042967.D
Acq: 09 Aug 2024 03:20

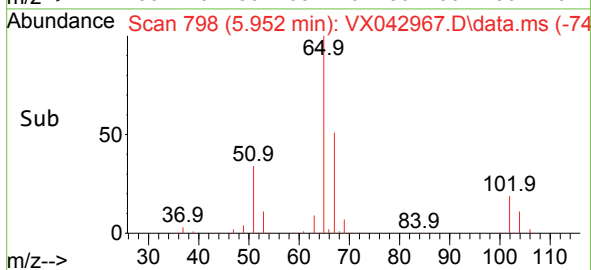
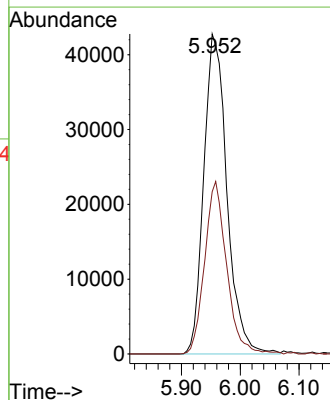
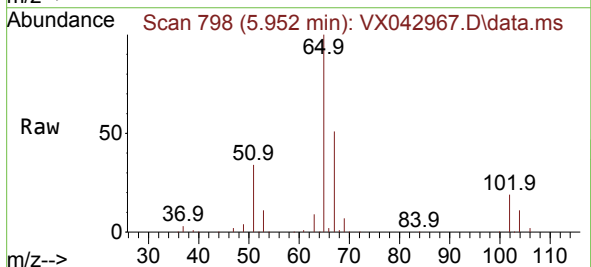
Instrument :
MSVOA_X
ClientSampleId :

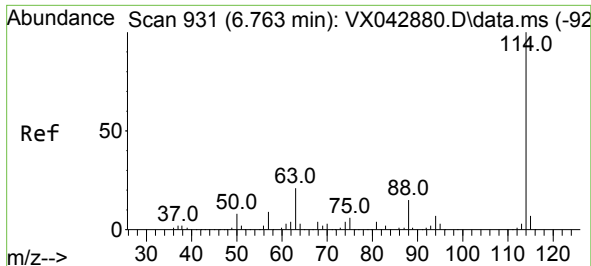
Tgt Ion: 84 Resp: 1056
Ion Ratio Lower Upper
84 100
49 93.3 103.6 155.4#
51 20.4 33.8 50.6#
86 49.1 49.4 74.0#



#33
1,2-Dichloroethane-d4
Concen: 63.400 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX042967.D
Acq: 09 Aug 2024 03:20

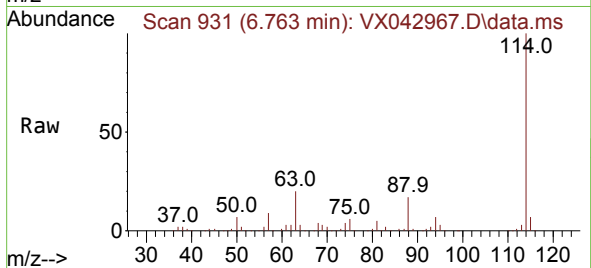
Tgt Ion: 65 Resp: 116950
Ion Ratio Lower Upper
65 100
67 51.3 0.0 100.2



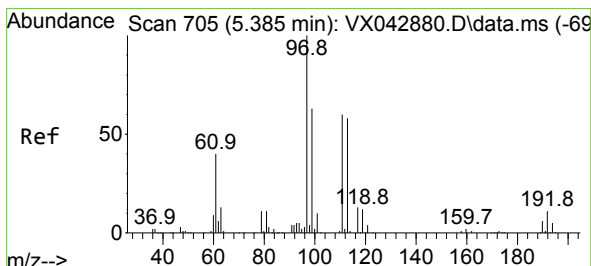
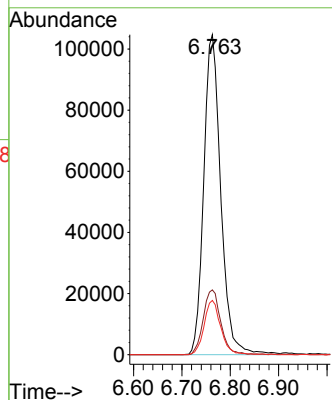
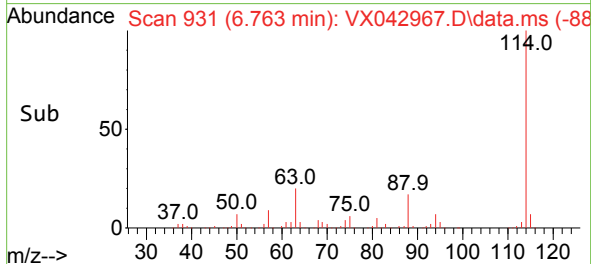


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX042967.D
Acq: 09 Aug 2024 03:20

Instrument :
MSVOA_X
ClientSampleId :

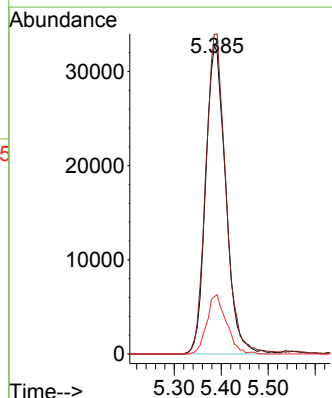
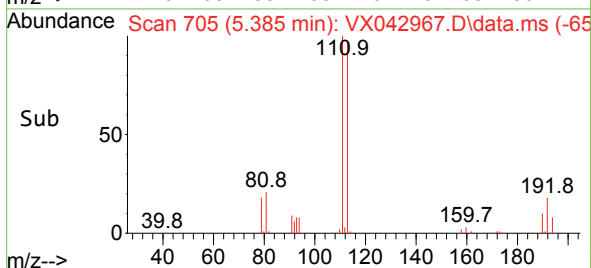
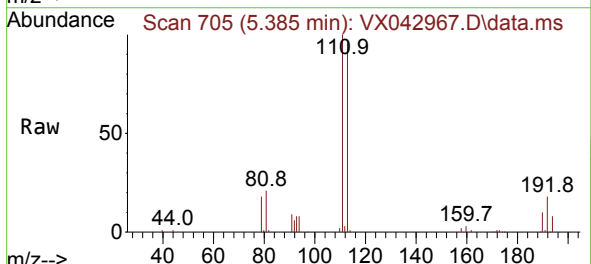


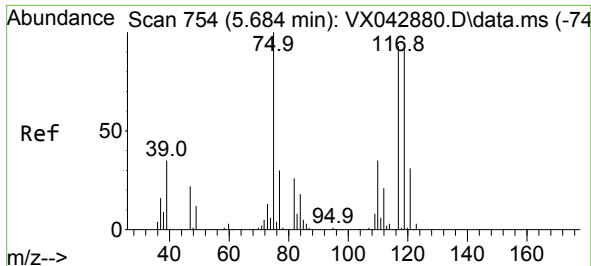
Tgt Ion:114 Resp: 256280
Ion Ratio Lower Upper
114 100
63 20.3 0.0 45.0
88 17.0 0.0 36.6



#35
Dibromofluoromethane
Concen: 58.062 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX042967.D
Acq: 09 Aug 2024 03:20

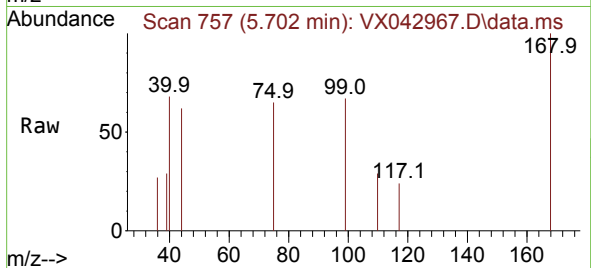
Tgt Ion:113 Resp: 97293
Ion Ratio Lower Upper
113 100
111 103.6 82.9 124.3
192 18.6 13.3 19.9



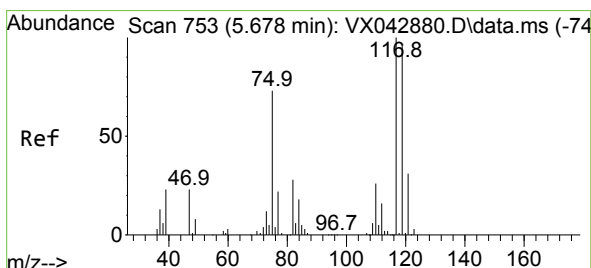
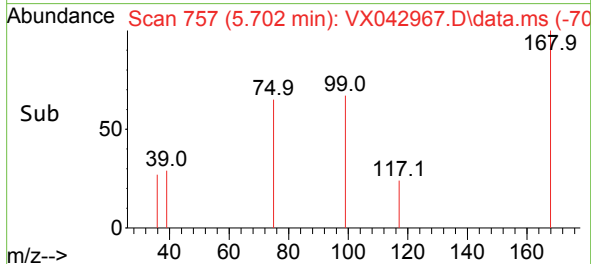
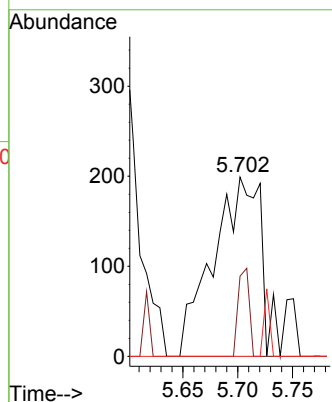


#36
1,1-Dichloropropene
Concen: 0.268 ug/l
RT: 5.702 min Scan# 711
Delta R.T. 0.018 min
Lab File: VX042967.D
Acq: 09 Aug 2024 03:20

Instrument :
MSVOA_X
ClientSampleId :

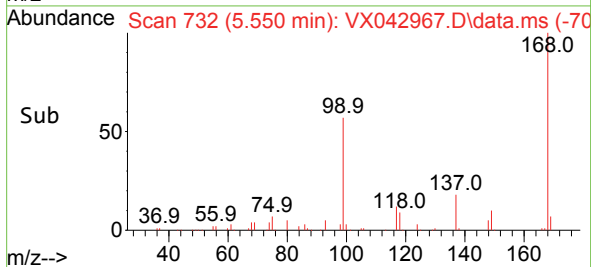
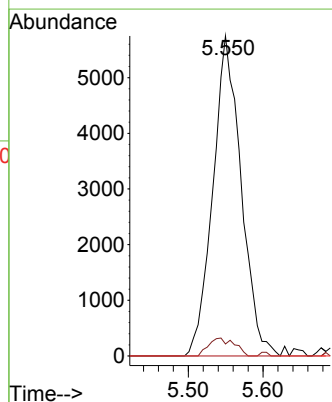
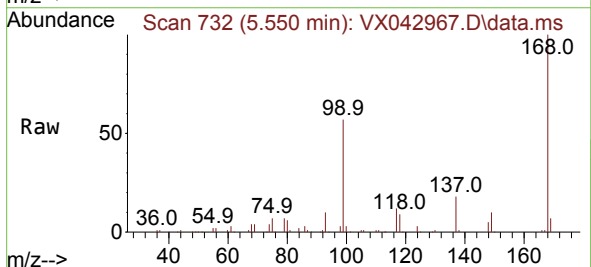


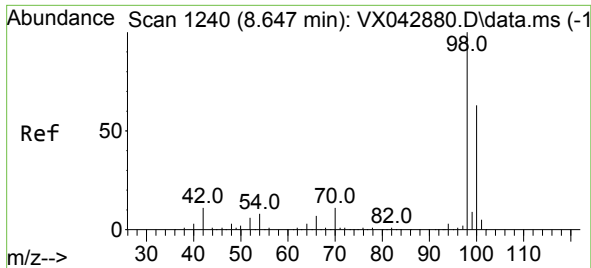
Tgt Ion: 75 Resp: 608
Ion Ratio Lower Upper
75 100
110 11.2 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 5.891 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.128 min
Lab File: VX042967.D
Acq: 09 Aug 2024 03:20

Tgt Ion: 117 Resp: 15107
Ion Ratio Lower Upper
117 100
119 3.8 78.2 117.2#
121 0.0 24.4 36.6#

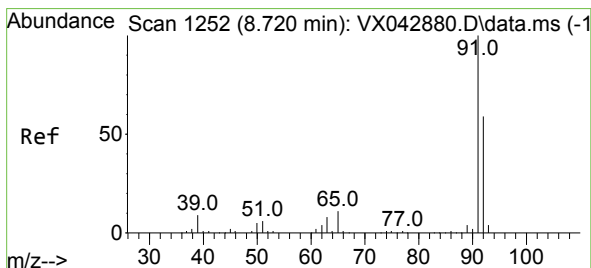
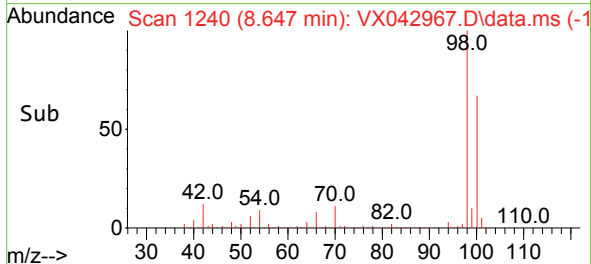
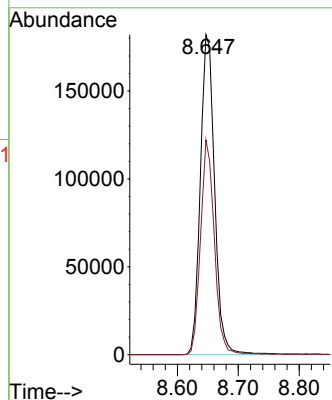
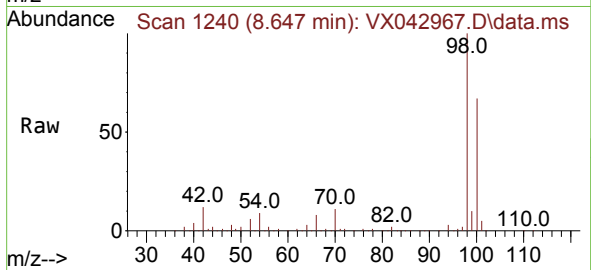




#50
Toluene-d8
Concen: 49.832 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX042967.D
Acq: 09 Aug 2024 03:20

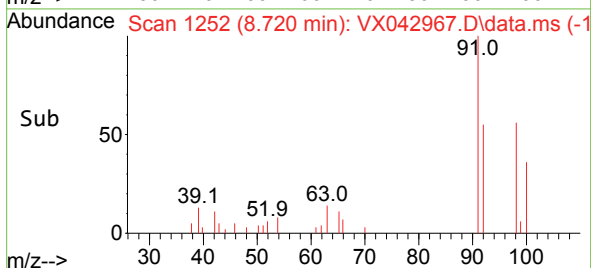
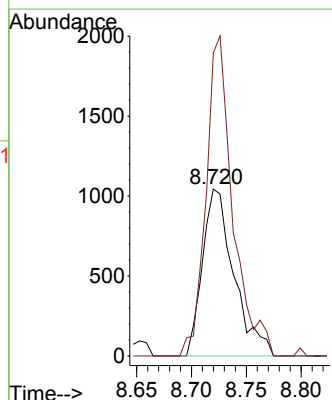
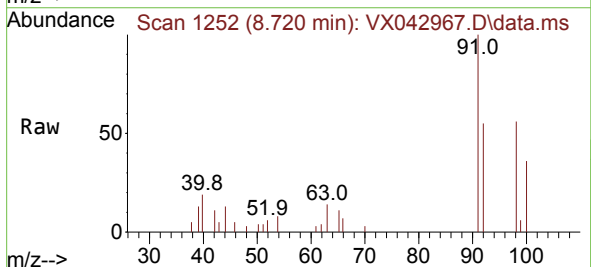
Instrument :
MSVOA_X
ClientSampleId :

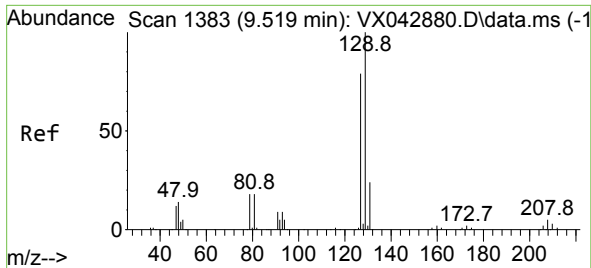
Tgt Ion: 98 Resp: 296437
Ion Ratio Lower Upper
98 100
100 65.1 53.1 79.7



#52
Toluene
Concen: 0.485 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX042967.D
Acq: 09 Aug 2024 03:20

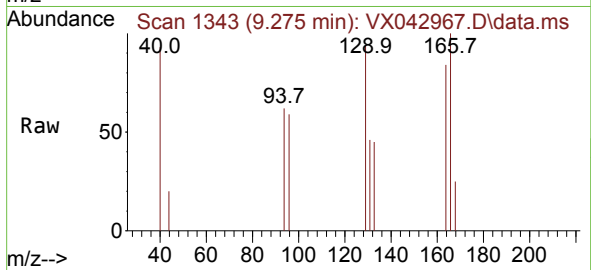
Tgt Ion: 92 Resp: 2074
Ion Ratio Lower Upper
92 100
91 164.5 134.2 201.2



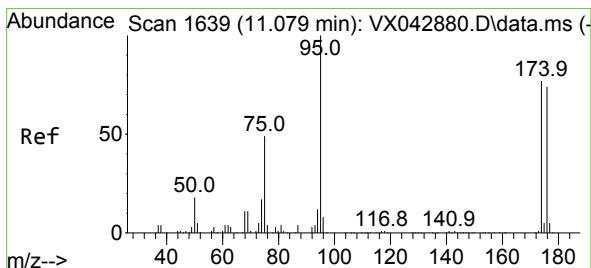
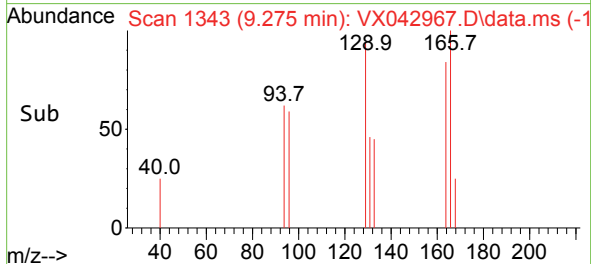
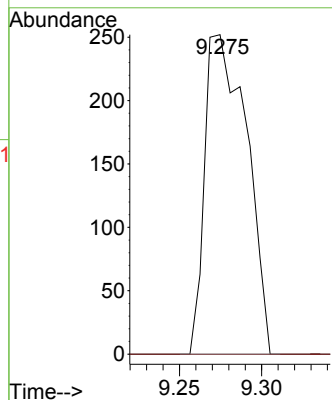


#60
Dibromochloromethane
Concen: 0.234 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.244 min
Lab File: VX042967.D
Acq: 09 Aug 2024 03:20

Instrument :
MSVOA_X
ClientSampleId :

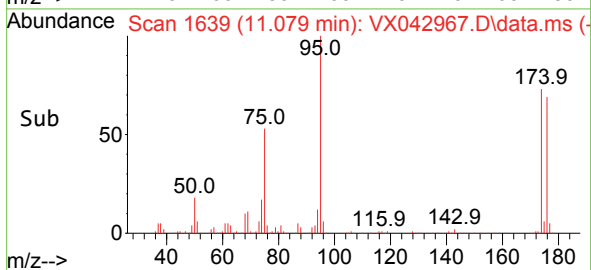
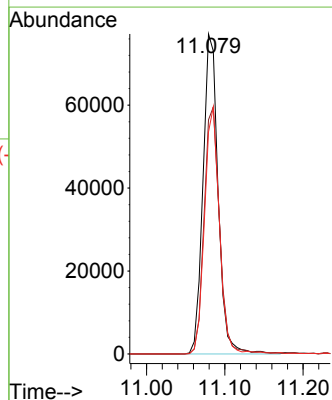
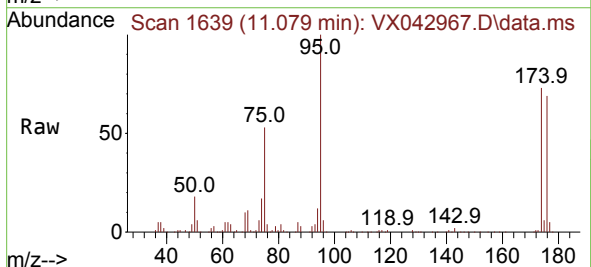


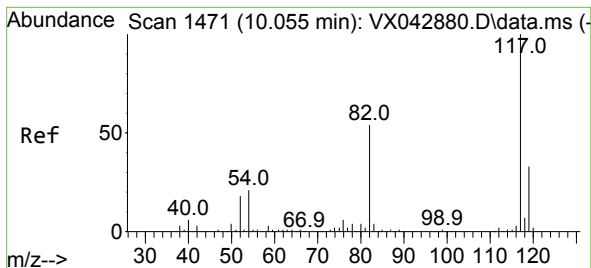
Tgt Ion:129 Resp: 447
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#



#62
4-Bromofluorobenzene
Concen: 48.454 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX042967.D
Acq: 09 Aug 2024 03:20

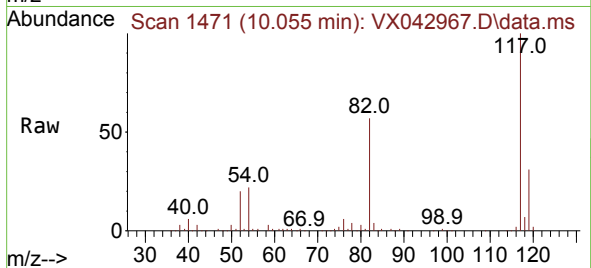
Tgt Ion: 95 Resp: 103578
Ion Ratio Lower Upper
95 100
174 79.0 0.0 135.6
176 76.2 0.0 131.0



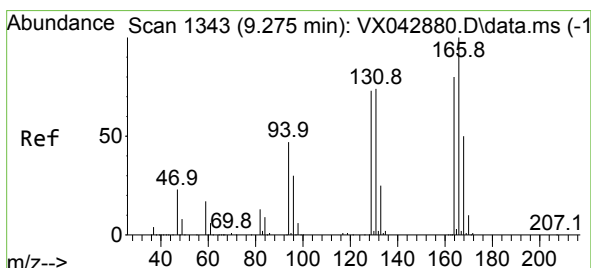
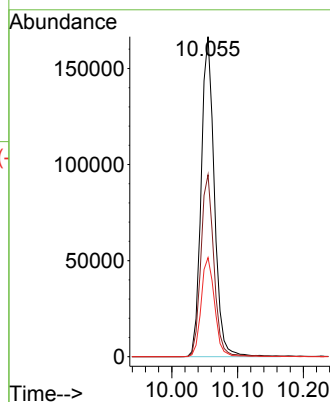
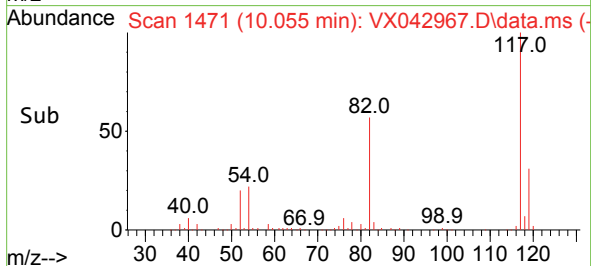


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX042967.D
Acq: 09 Aug 2024 03:20

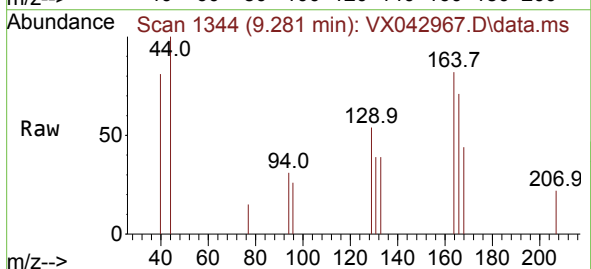
Instrument :
MSVOA_X
ClientSampleId :



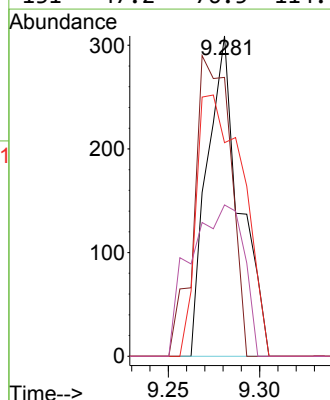
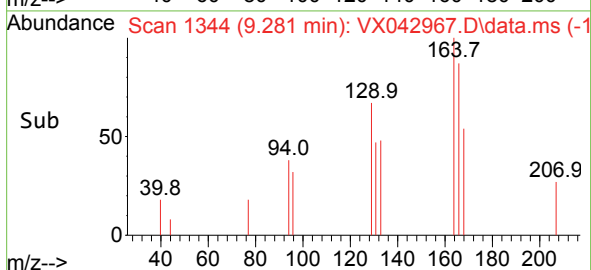
Tgt Ion:117 Resp: 231982
Ion Ratio Lower Upper
117 100
82 56.8 46.2 69.4
119 31.0 25.5 38.3

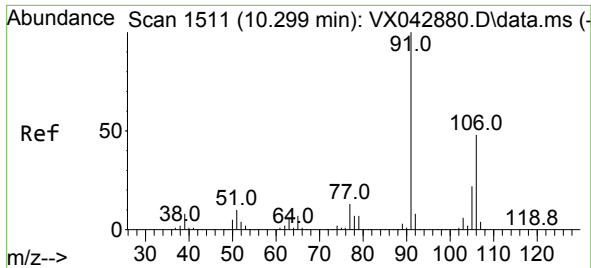


#64
Tetrachloroethene
Concen: 0.237 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. 0.006 min
Lab File: VX042967.D
Acq: 09 Aug 2024 03:20



Tgt Ion:164 Resp: 382
Ion Ratio Lower Upper
164 100
166 87.1 102.7 154.1#
129 66.7 80.4 120.6#
131 47.2 76.5 114.7#

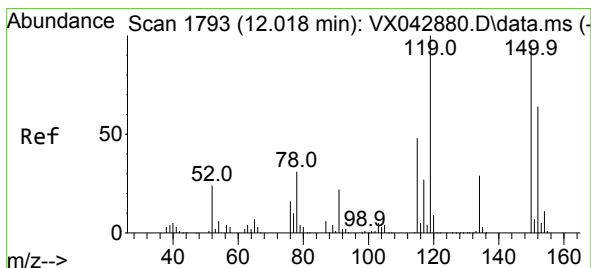
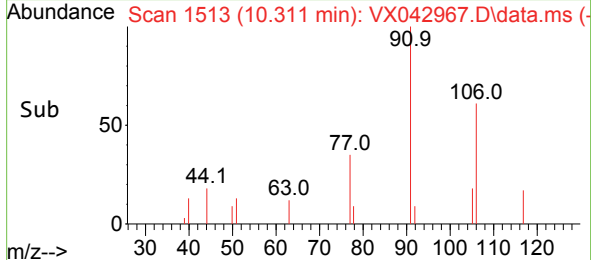
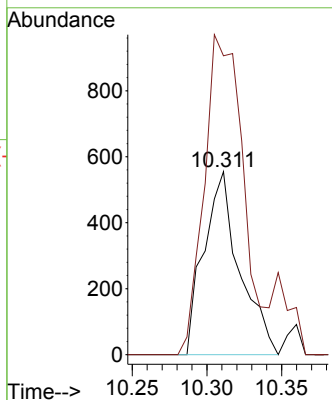
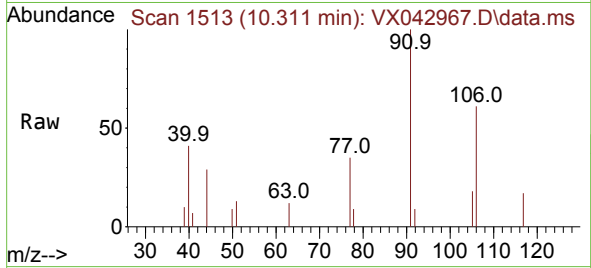




#68
m/p-Xylenes
Concen: 0.291 ug/l
RT: 10.311 min Scan# 11
Delta R.T. 0.012 min
Lab File: VX042967.D
Acq: 09 Aug 2024 03:20

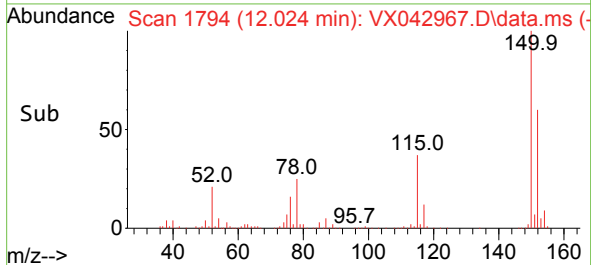
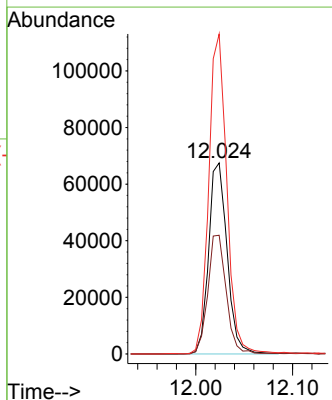
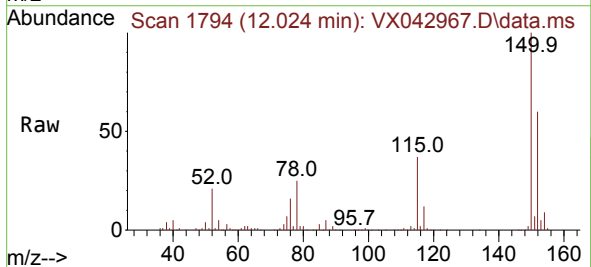
Instrument :
MSVOA_X
ClientSampleId :

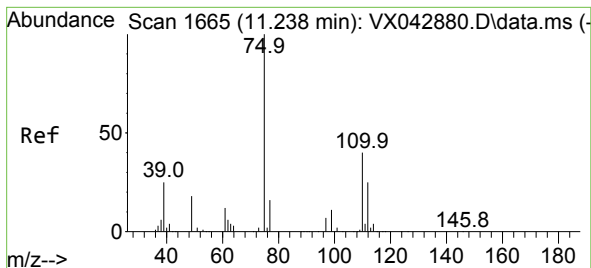
Tgt Ion:106 Resp: 919
Ion Ratio Lower Upper
106 100
91 192.6 165.5 248.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX042967.D
Acq: 09 Aug 2024 03:20

Tgt Ion:152 Resp: 89886
Ion Ratio Lower Upper
152 100
115 62.0 43.3 129.9
150 163.5 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 26.842 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.159 min

Lab File: VX042967.D

Acq: 09 Aug 2024 03:20

Instrument :

MSVOA_X

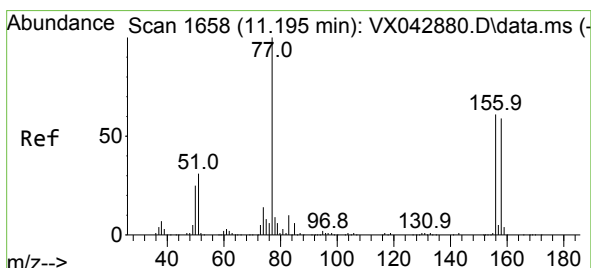
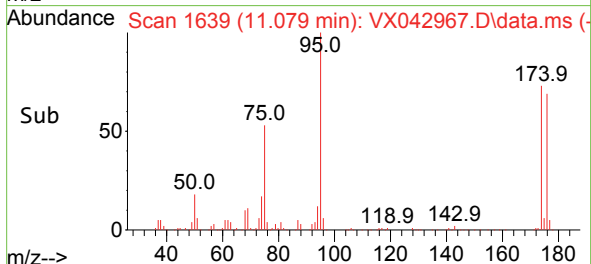
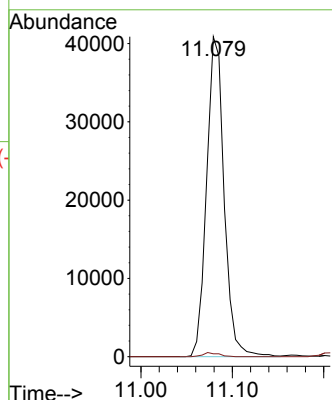
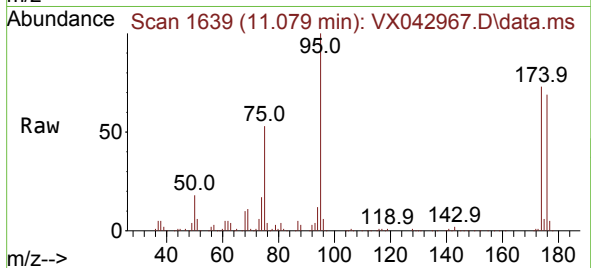
ClientSampleId :

Tgt Ion: 75 Resp: 54261

Ion Ratio Lower Upper

75 100

77 1.2 19.1 57.5#



#77

Bromobenzene

Concen: 0.213 ug/l

RT: 11.201 min Scan# 1659

Delta R.T. 0.006 min

Lab File: VX042967.D

Acq: 09 Aug 2024 03:20

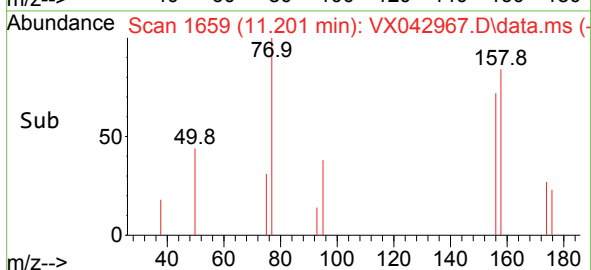
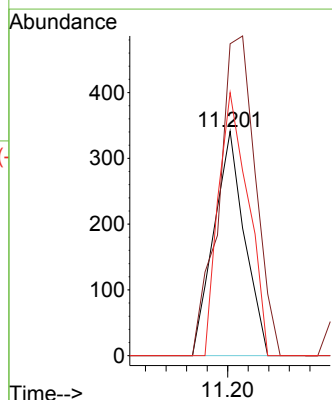
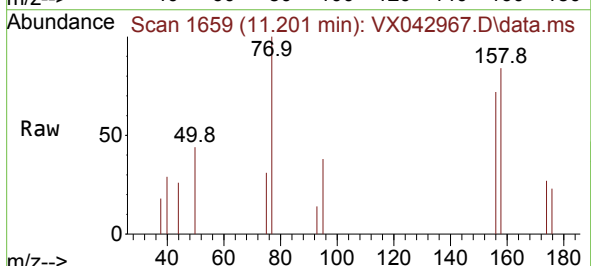
Tgt Ion: 156 Resp: 352

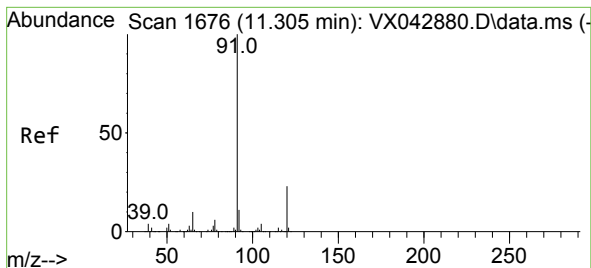
Ion Ratio Lower Upper

156 100

77 170.7 88.4 265.3

158 114.5 48.0 144.0





#78

n-propylbenzene

Concen: 0.208 ug/l

RT: 11.311 min Scan# 1677

Delta R.T. 0.006 min

Lab File: VX042967.D

Acq: 09 Aug 2024 03:20

Instrument :

MSVOA_X

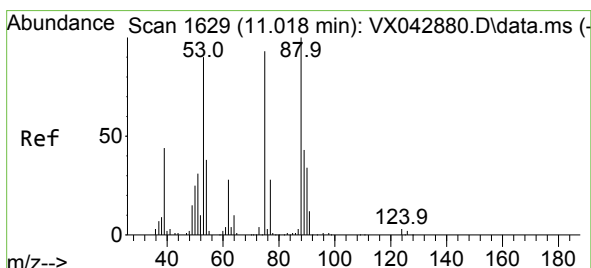
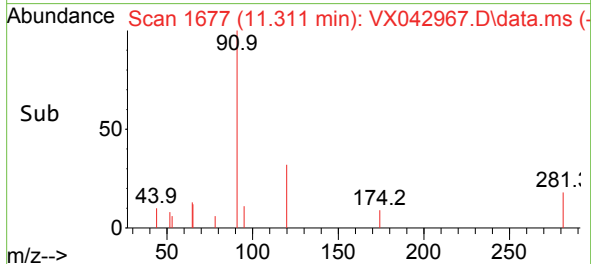
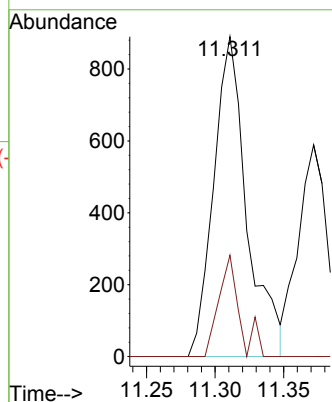
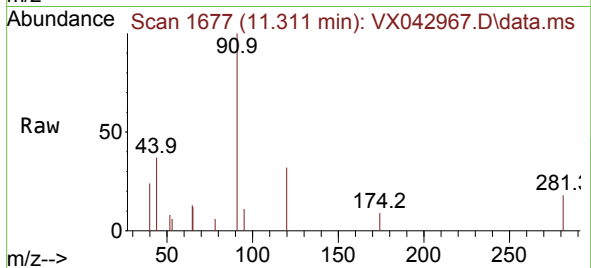
ClientSampleId :

Tgt Ion: 91 Resp: 1502

Ion Ratio Lower Upper

91 100

120 19.6 11.5 34.4



#81

trans-1,4-Dichloro-2-butene

Concen: 87.277 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX042967.D

Acq: 09 Aug 2024 03:20

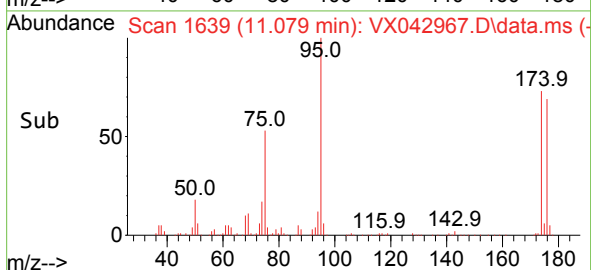
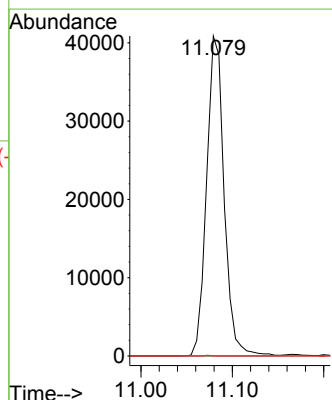
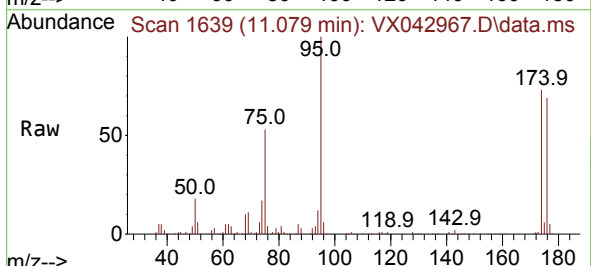
Tgt Ion: 75 Resp: 54261

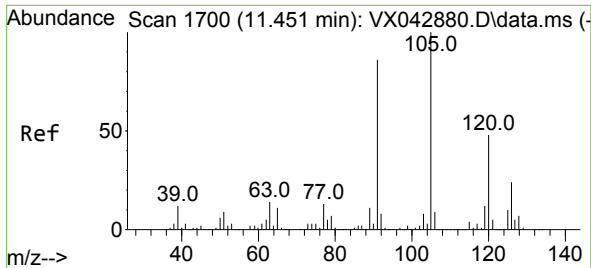
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

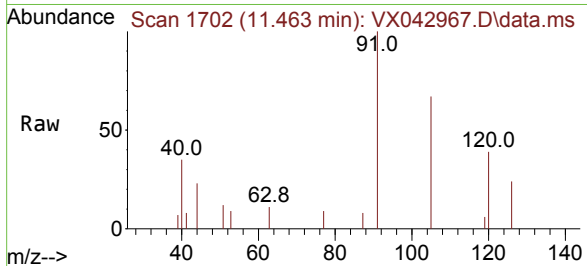
89 0.1 36.9 55.3#



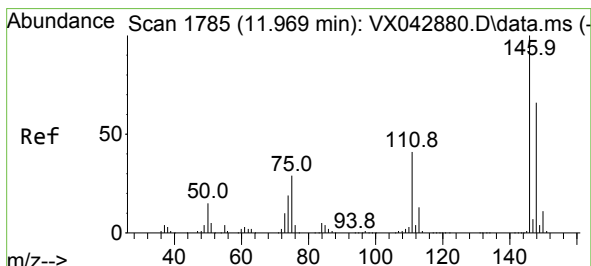
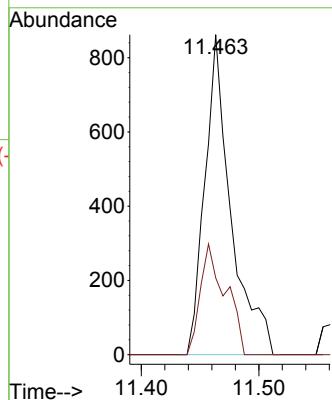
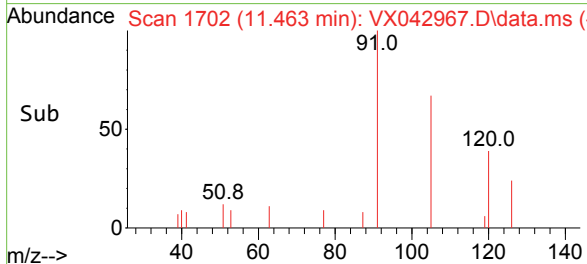


#82
4-Chlorotoluene
Concen: 0.255 ug/l
RT: 11.463 min Scan# 1702
Delta R.T. 0.012 min
Lab File: VX042967.D
Acq: 09 Aug 2024 03:20

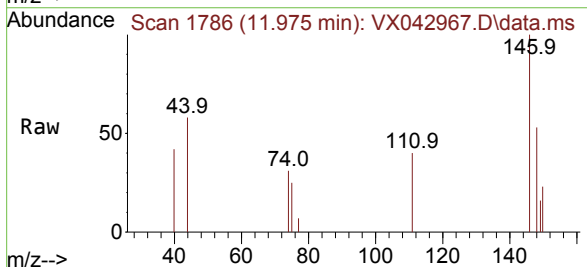
Instrument :
MSVOA_X
ClientSampleId :



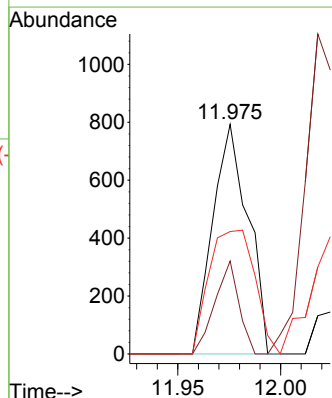
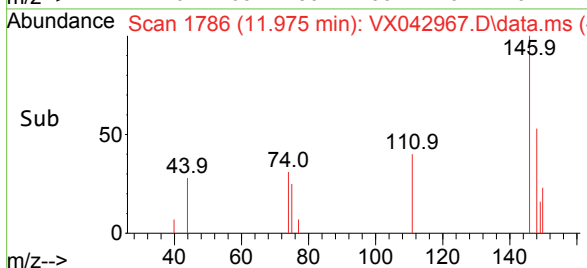
Tgt Ion: 91 Resp: 1327
Ion Ratio Lower Upper
91 100
126 33.5 14.2 42.6

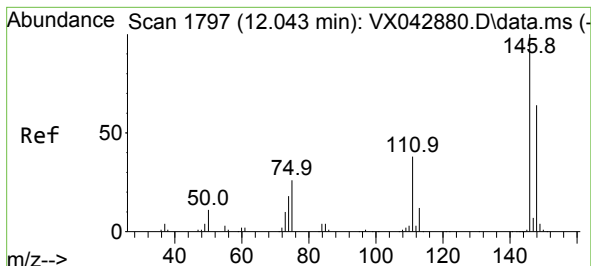


#87
1,3-Dichlorobenzene
Concen: 0.316 ug/l
RT: 11.975 min Scan# 1786
Delta R.T. 0.006 min
Lab File: VX042967.D
Acq: 09 Aug 2024 03:20



Tgt Ion: 146 Resp: 944
Ion Ratio Lower Upper
146 100
111 27.8 22.1 66.1
148 70.1 31.8 95.3





#88

1,4-Dichlorobenzene

Concen: 0.308 ug/l

RT: 11.975 min Scan# 11

Delta R.T. -0.067 min

Lab File: VX042967.D

Acq: 09 Aug 2024 03:20

Instrument :

MSVOA_X

ClientSampleId :

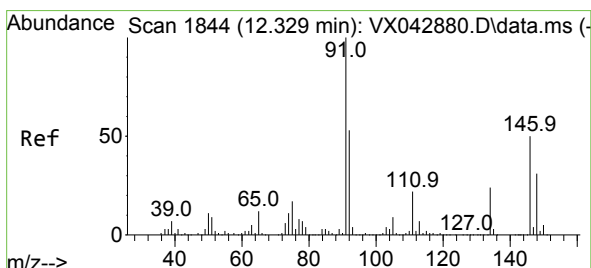
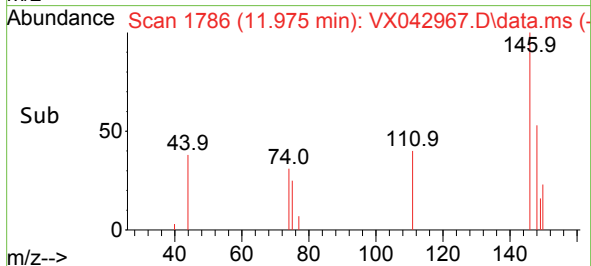
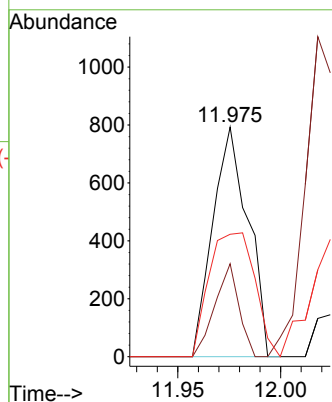
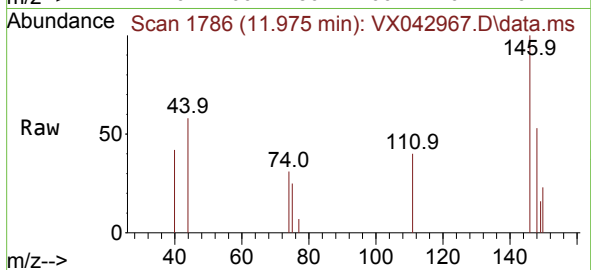
Tgt Ion:146 Resp: 944

Ion Ratio Lower Upper

146 100

111 27.8 21.3 63.7

148 70.1 31.8 95.4



#89

n-Butylbenzene

Concen: 0.273 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.006 min

Lab File: VX042967.D

Acq: 09 Aug 2024 03:20

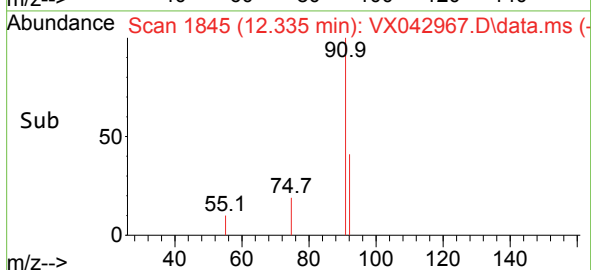
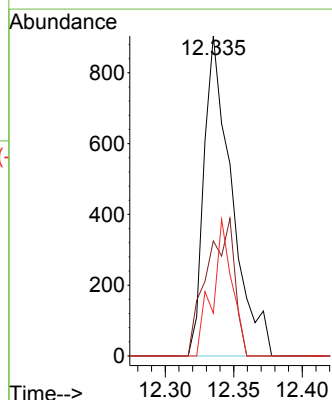
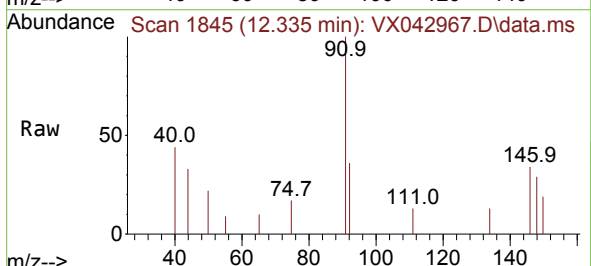
Tgt Ion: 91 Resp: 1273

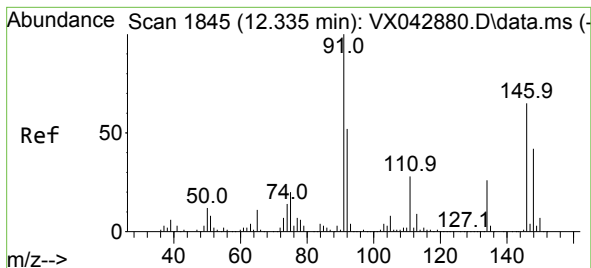
Ion Ratio Lower Upper

91 100

92 42.7 27.4 82.0

134 30.1 12.6 37.8





#91

1,2-Dichlorobenzene

Concen: 0.220 ug/l

RT: 12.341 min Scan# 1846

Delta R.T. 0.006 min

Lab File: VX042967.D

Acq: 09 Aug 2024 03:20

Instrument :

MSVOA_X

ClientSampleId :

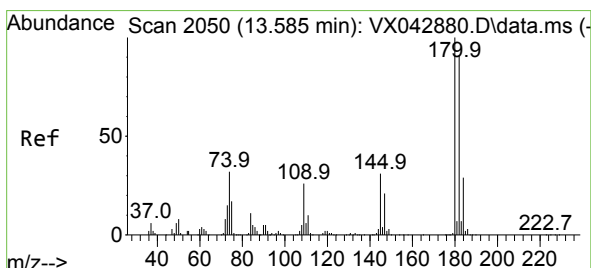
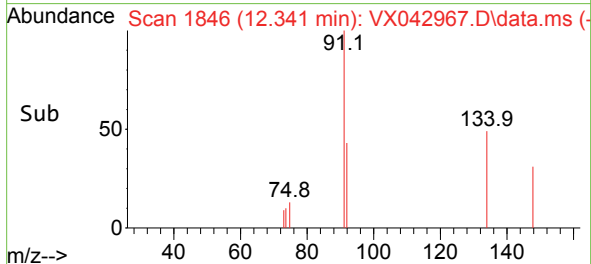
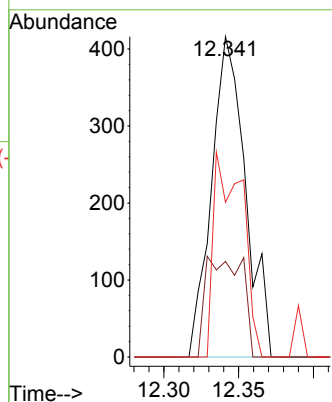
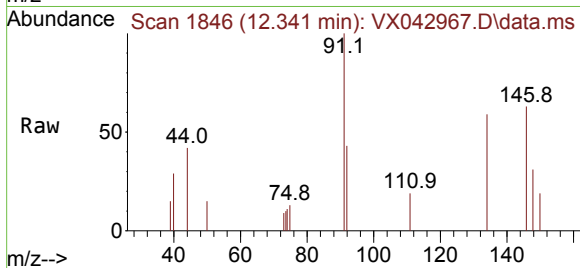
Tgt Ion:146 Resp: 658

Ion Ratio Lower Upper

146 100

111 33.6 22.4 67.0

148 54.1 31.6 95.0



#93

1,2,4-Trichlorobenzene

Concen: 0.572 ug/l

RT: 13.591 min Scan# 2051

Delta R.T. 0.006 min

Lab File: VX042967.D

Acq: 09 Aug 2024 03:20

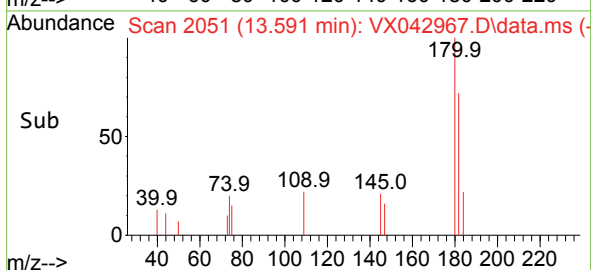
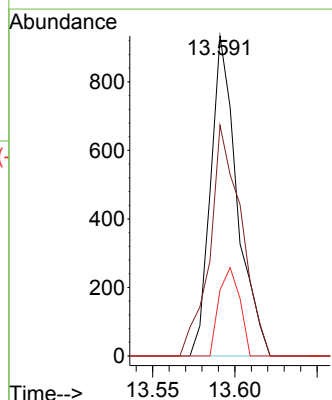
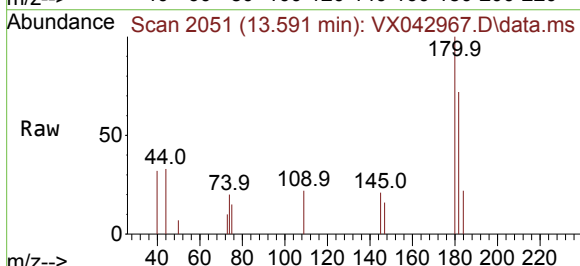
Tgt Ion:180 Resp: 1045

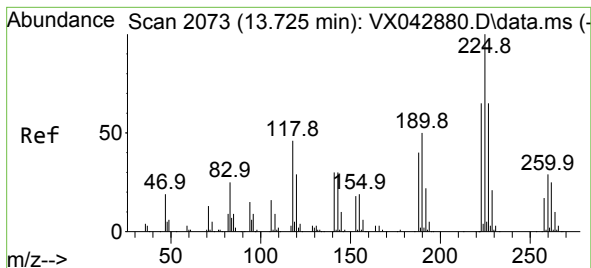
Ion Ratio Lower Upper

180 100

182 86.0 48.3 144.8

145 21.6 18.0 54.0





#94

Hexachlorobutadiene

Concen: 0.245 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. -0.000 min

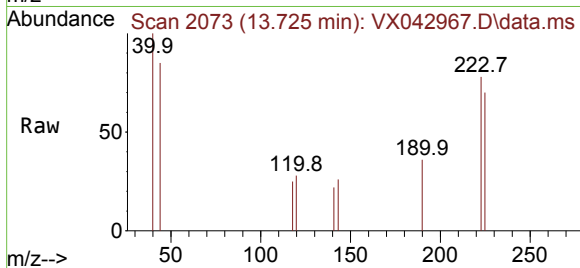
Lab File: VX042967.D

Acq: 09 Aug 2024 03:20

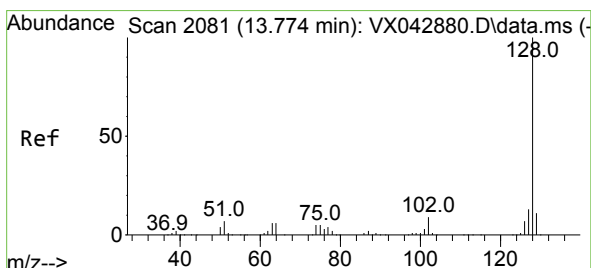
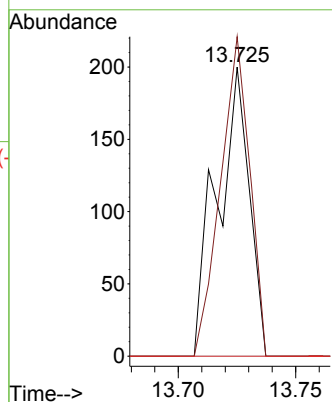
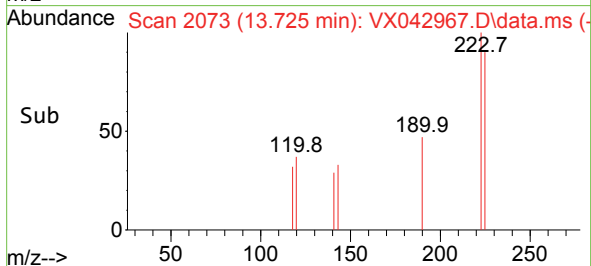
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:225	Resp:	190
Ion	Ratio	Lower Upper
225	100	
223	100.5	31.1 93.2#
227	0.0	32.5 97.5#



#95

Naphthalene

Concen: 0.762 ug/l

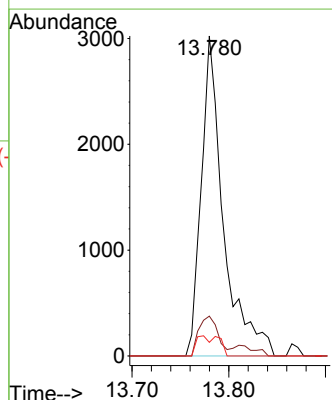
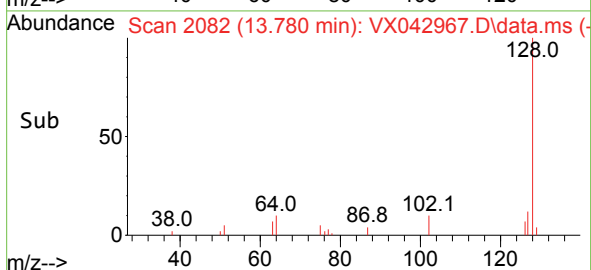
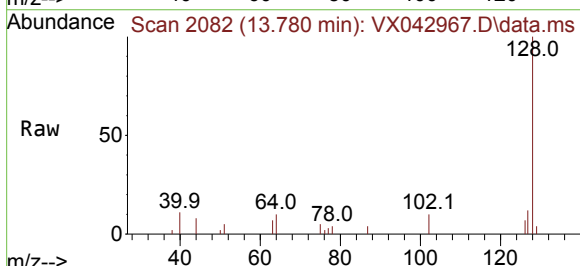
RT: 13.780 min Scan# 2082

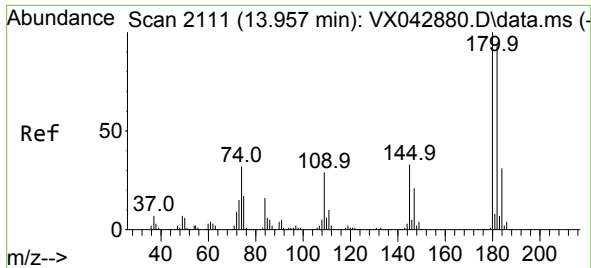
Delta R.T. 0.006 min

Lab File: VX042967.D

Acq: 09 Aug 2024 03:20

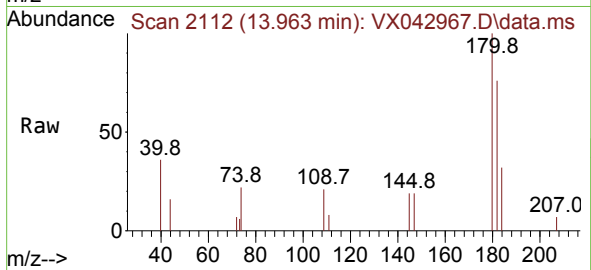
Tgt Ion:128	Resp:	4817
Ion	Ratio	Lower Upper
128	100	
127	10.8	10.3 15.5
129	6.5	8.8 13.2#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.634 ug/l
 RT: 13.963 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VX042967.D
 Acq: 09 Aug 2024 03:20

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:	180	Resp:	1167
Ion	Ratio	Lower	Upper
180	100		
182	89.8	46.9	140.6
145	21.7	17.8	53.5

