

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052223\
 Data File : VX035781.D
 Acq On : 22 May 2023 13:52
 Operator : JC/MD
 Sample : 02746-02ME
 Misc : 5.32g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CB-14-G1-SO-74-051523ME

Quant Time: May 23 06:11:20 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051123W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 11 13:57:54 2023
 Response via : Initial Calibration

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

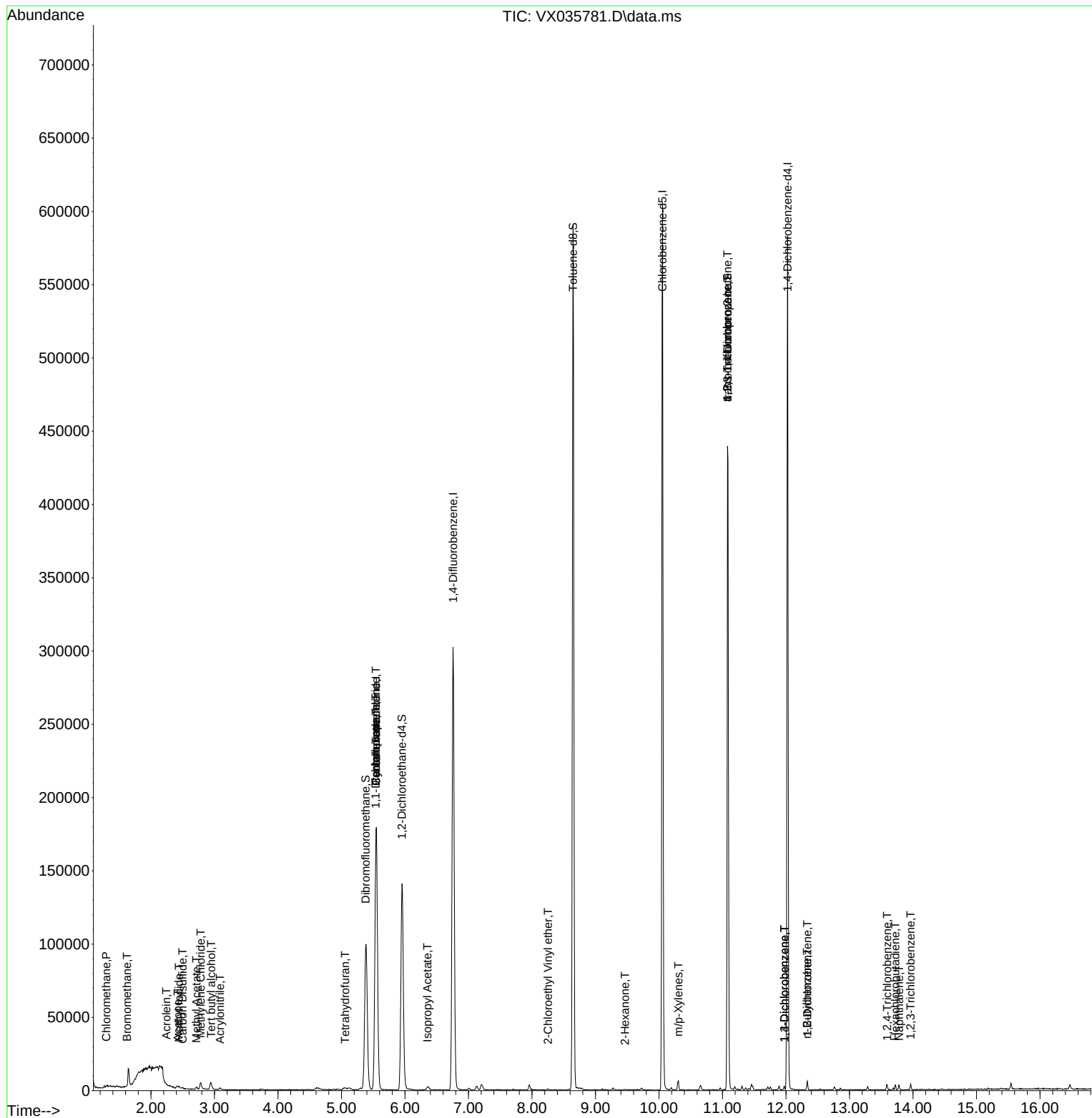
Internal Standards						
1) Pentafluorobenzene	5.544	168	153203	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.757	114	283369	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	247324	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	108943	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	143786	53.798	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 107.600%			
35) Dibromofluoromethane	5.379	113	88010	46.054	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 92.100%			
50) Toluene-d8	8.647	98	329174	46.626	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 93.260%			
62) 4-Bromofluorobenzene	11.079	95	128604	45.242	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 90.480%			
Target Compounds					Qvalue	
3) Chloromethane	1.295	50	522	0.215	ug/l	# 67
5) Bromomethane	1.624	94	400	0.359	ug/l	# 52
10) Methyl Iodide	2.441	142	622	0.387	ug/l	# 83
11) Tert butyl alcohol	2.947	59	3196	6.778	ug/l	# 73
13) Acrolein	2.239	56	302	0.540	ug/l	# 27
15) Acrylonitrile	3.087	53	442	0.426	ug/l	# 39
16) Acetone	2.422	43	2109	1.836	ug/l	91
17) Carbon Disulfide	2.496	76	1002	0.243	ug/l	97
18) Methyl Acetate	2.715	43	2041	0.482	ug/l	# 89
20) Methylene Chloride	2.782	84	2310	1.110	ug/l	# 92
29) Tetrahydrofuran	5.056	42	1170	1.171	ug/l	# 60
31) Cyclohexane	5.544	56	4298	1.273	ug/l	# 31
36) 1,1-Dichloropropene	5.538	75	14439	4.787	ug/l	# 51
38) Carbon Tetrachloride	5.544	117	17678	6.187	ug/l	# 16
43) Isopropyl Acetate	6.355	43	1352	0.246	ug/l	# 62
58) 2-Chloroethyl Vinyl ether	8.251	63	357	0.207	ug/l	# 47
59) 2-Hexanone	9.464	43	511	0.215	ug/l	80
68) m/p-Xylenes	10.305	106	1408	0.375	ug/l	95
76) 1,2,3-Trichloropropane	11.079	75	71127	26.691	ug/l	# 34
81) trans-1,4-Dichloro-2-b...	11.079	75	71127	86.023	ug/l	# 8
87) 1,3-Dichlorobenzene	11.976	146	908	0.229	ug/l	95
88) 1,4-Dichlorobenzene	11.976	146	908	0.227	ug/l	95
89) n-Butylbenzene	12.329	91	1663	0.234	ug/l	92
91) 1,2-Dichlorobenzene	12.335	146	805	0.208	ug/l	85
93) 1,2,4-Trichlorobenzene	13.591	180	1024	0.439	ug/l	98
94) Hexachlorobutadiene	13.719	225	581	0.627	ug/l	73
95) Naphthalene	13.780	128	2476	0.310	ug/l	# 96
96) 1,2,3-Trichlorobenzene	13.963	180	987	0.430	ug/l	97

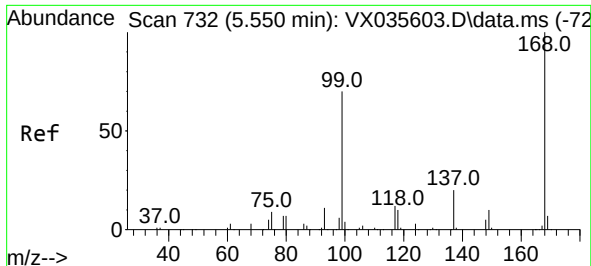
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 23 06:11:20 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051123W.M
Quant Title : SW846 8260
QLast Update : Thu May 11 13:57:54 2023
Response via : Initial Calibration

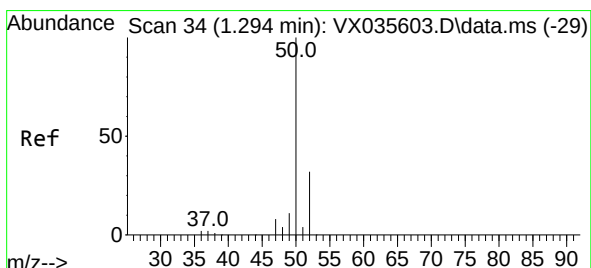
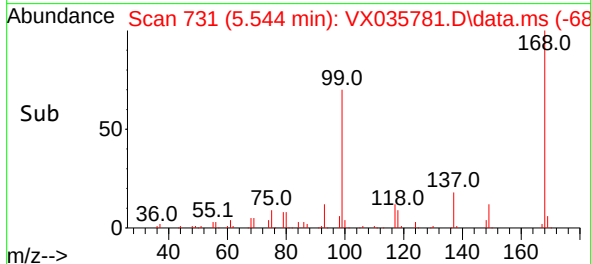
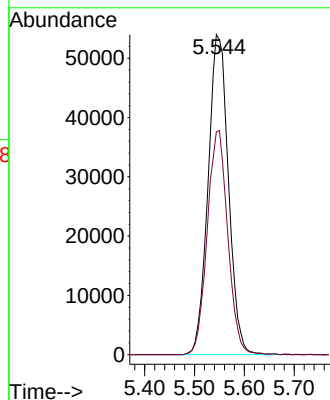
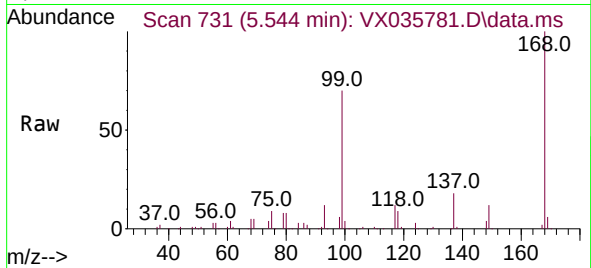




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX035781.D
Acq: 22 May 2023 13:52

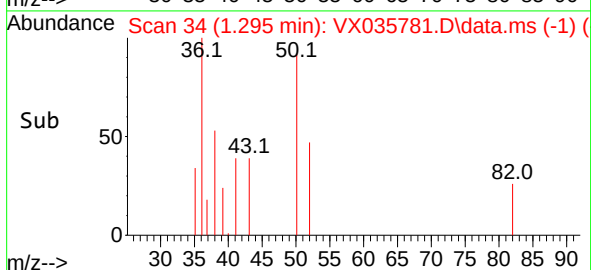
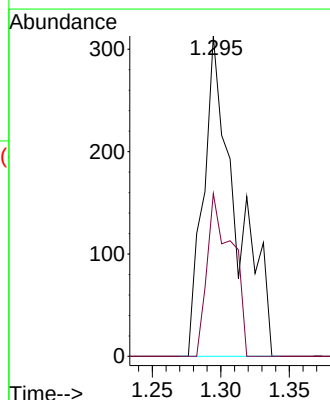
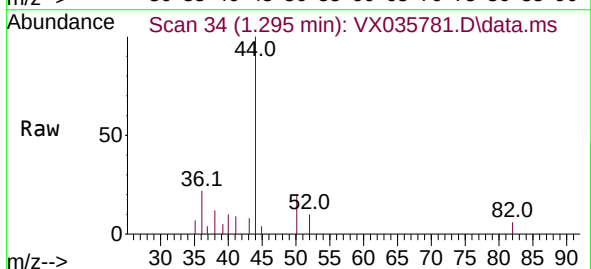
Instrument :
MSVOA_X
ClientSampleId :
CB-14-G1-SO-74-051523ME

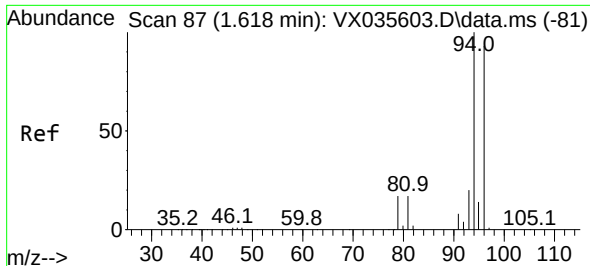
Tgt Ion:168 Resp: 153203
Ion Ratio Lower Upper
168 100
99 69.6 45.7 68.5#



#3
Chloromethane
Concen: 0.215 ug/l
RT: 1.295 min Scan# 34
Delta R.T. 0.001 min
Lab File: VX035781.D
Acq: 22 May 2023 13:52

Tgt Ion: 50 Resp: 522
Ion Ratio Lower Upper
50 100
52 50.8 25.9 38.9#

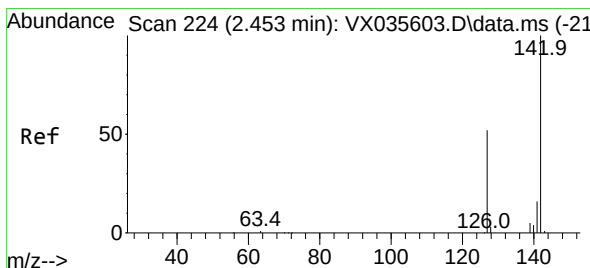
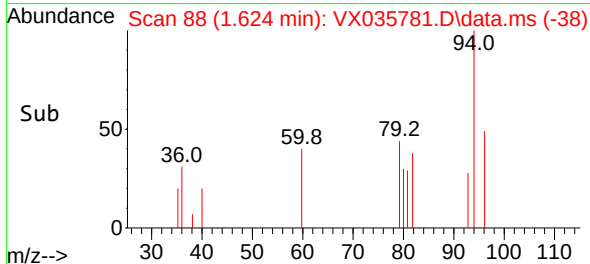
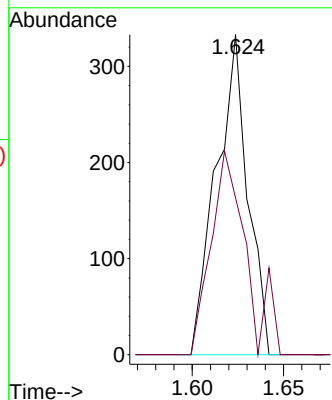
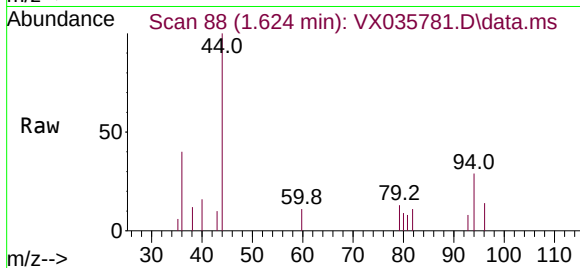




#5
Bromomethane
Concen: 0.359 ug/l
RT: 1.624 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX035781.D
Acq: 22 May 2023 13:52

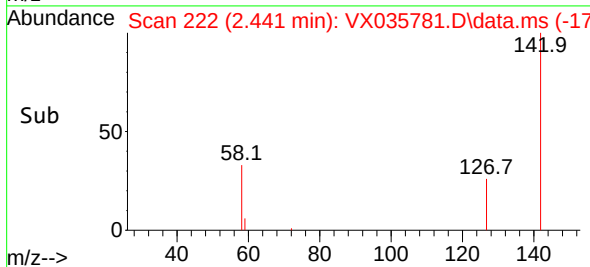
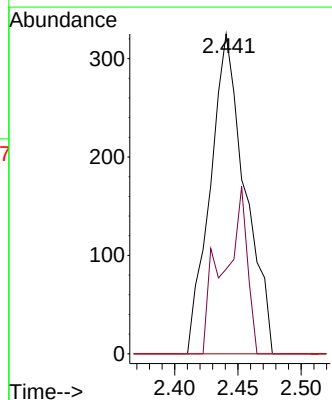
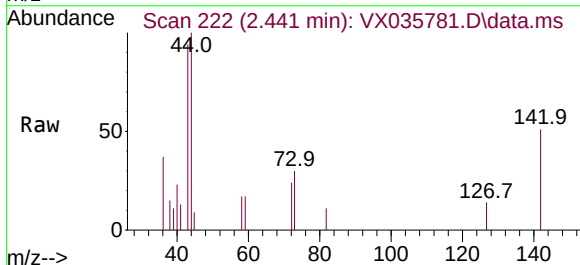
Instrument :
MSVOA_X
ClientSampleId :
CB-14-G1-SO-74-051523ME

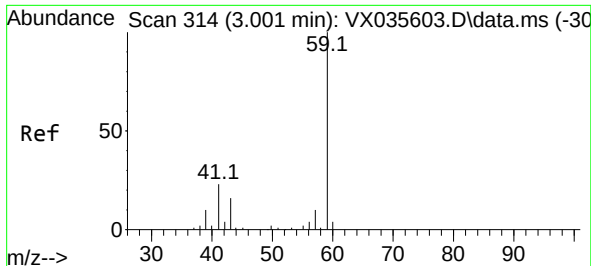
Tgt Ion: 94 Resp: 400
Ion Ratio Lower Upper
94 100
96 48.9 77.0 115.6#



#10
Methyl Iodide
Concen: 0.387 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.012 min
Lab File: VX035781.D
Acq: 22 May 2023 13:52

Tgt Ion: 142 Resp: 622
Ion Ratio Lower Upper
142 100
127 35.7 34.0 51.0
141 0.0 11.1 16.7#





#11

Tert butyl alcohol

Concen: 6.778 ug/l

RT: 2.947 min Scan# 305

Delta R.T. -0.054 min

Lab File: VX035781.D

Acq: 22 May 2023 13:52

Instrument :

MSVOA_X

ClientSampleId :

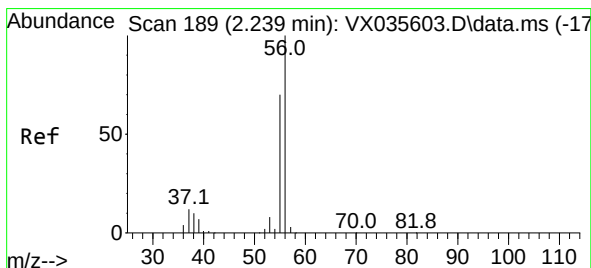
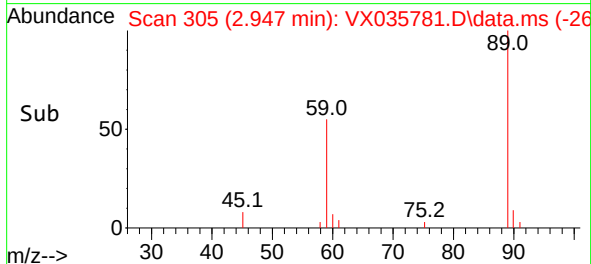
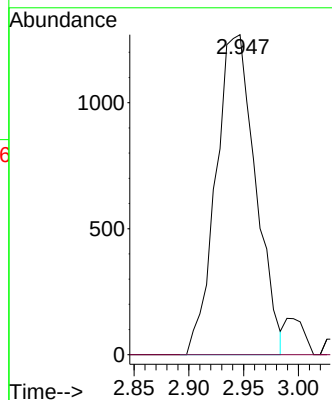
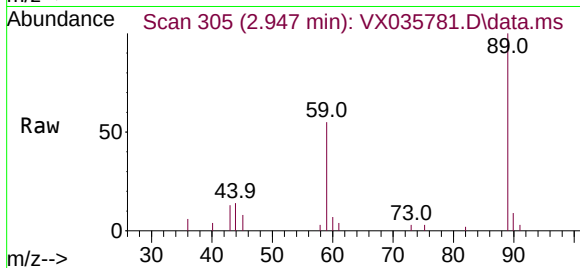
CB-14-G1-SO-74-051523ME

Tgt Ion: 59 Resp: 3196

Ion Ratio Lower Upper

59 100

57 0.0 8.1 12.1#



#13

Acrolein

Concen: 0.540 ug/l

RT: 2.239 min Scan# 189

Delta R.T. 0.000 min

Lab File: VX035781.D

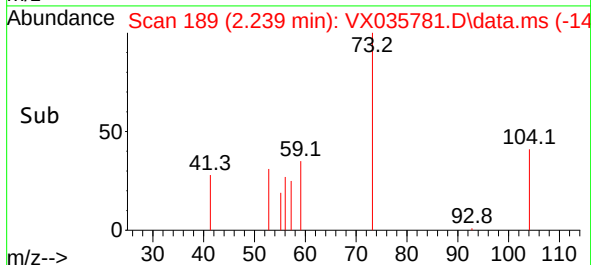
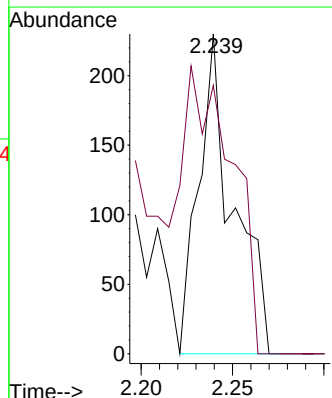
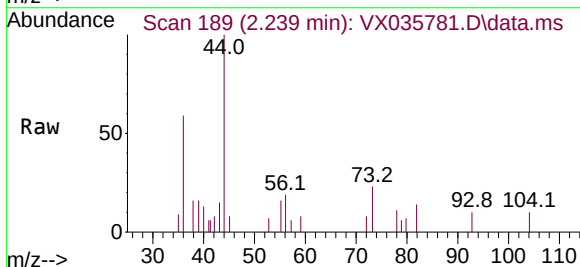
Acq: 22 May 2023 13:52

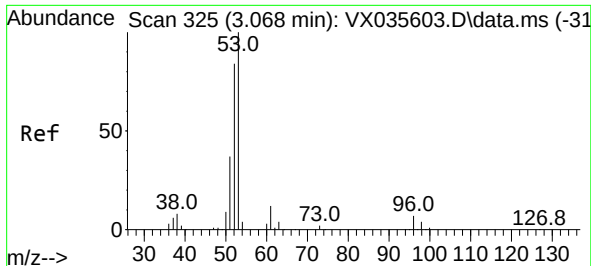
Tgt Ion: 56 Resp: 302

Ion Ratio Lower Upper

56 100

55 130.8 56.6 85.0#

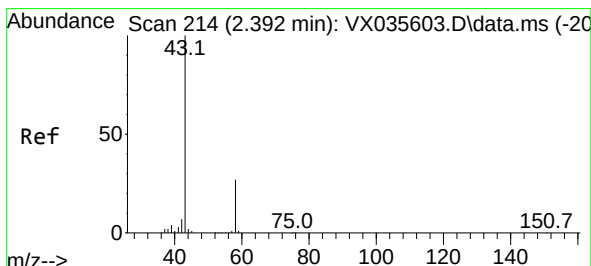
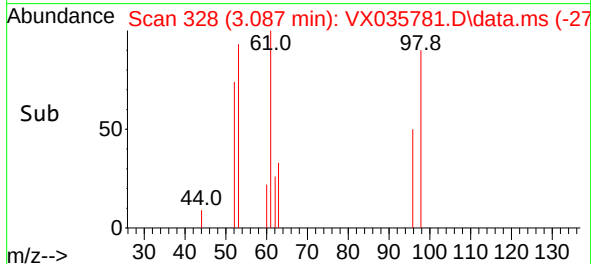
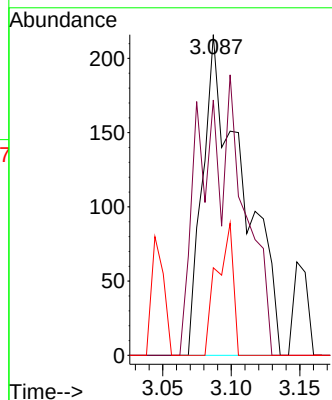
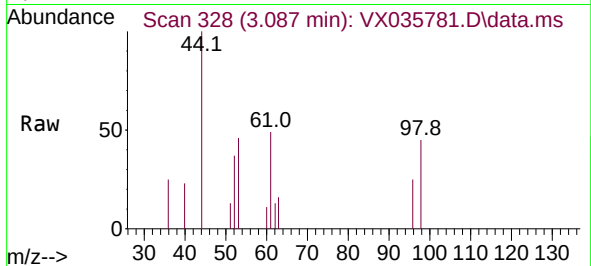




#15
Acrylonitrile
Concen: 0.426 ug/l
RT: 3.087 min Scan# 31
Delta R.T. 0.019 min
Lab File: VX035781.D
Acq: 22 May 2023 13:52

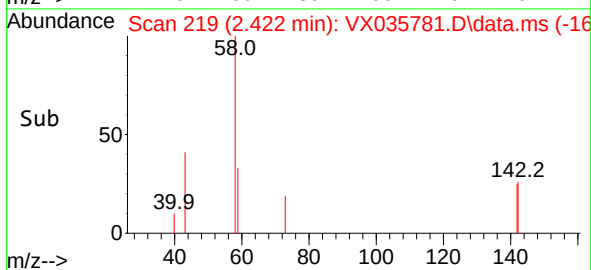
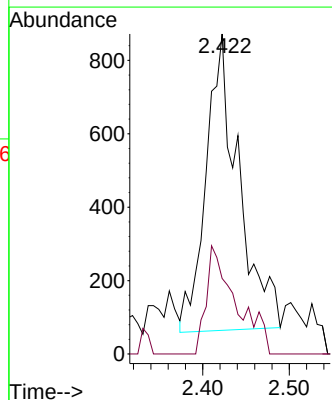
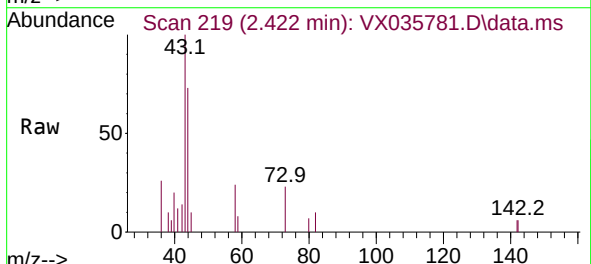
Instrument :
MSVOA_X
ClientSampleId :
CB-14-G1-SO-74-051523ME

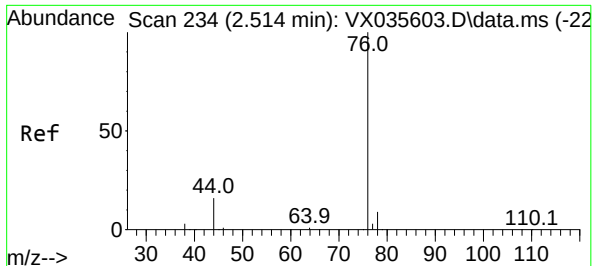
Tgt Ion: 53 Resp: 442
Ion Ratio Lower Upper
53 100
52 28.3 66.2 99.2#
51 0.0 28.3 42.5#



#16
Acetone
Concen: 1.836 ug/l
RT: 2.422 min Scan# 219
Delta R.T. 0.030 min
Lab File: VX035781.D
Acq: 22 May 2023 13:52

Tgt Ion: 43 Resp: 2109
Ion Ratio Lower Upper
43 100
58 25.8 24.7 37.1

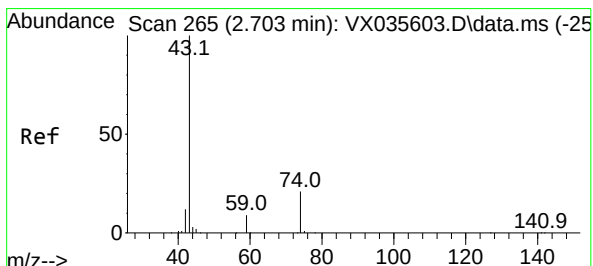
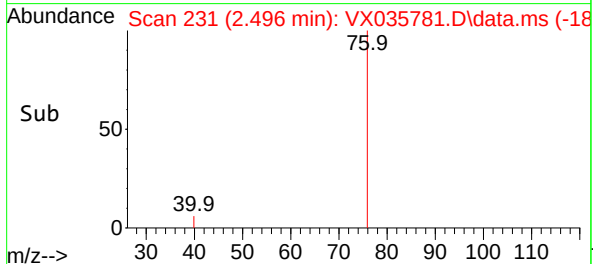
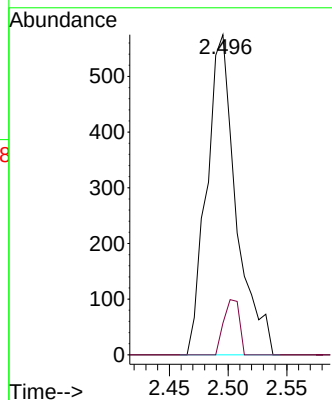
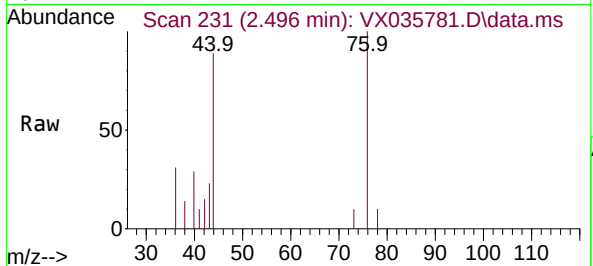




#17
Carbon Disulfide
Concen: 0.243 ug/l
RT: 2.496 min Scan# 21
Delta R.T. -0.018 min
Lab File: VX035781.D
Acq: 22 May 2023 13:52

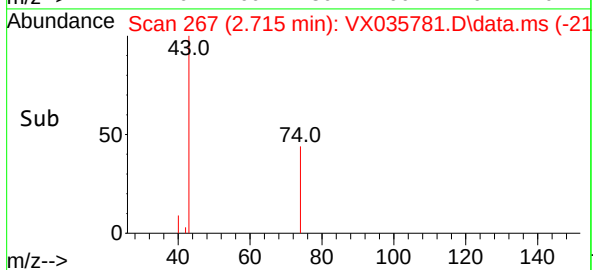
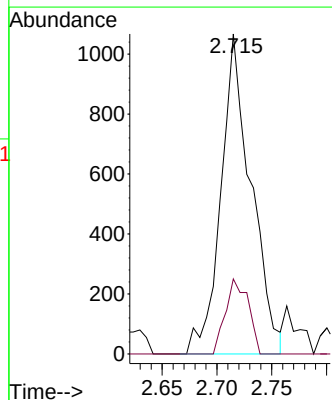
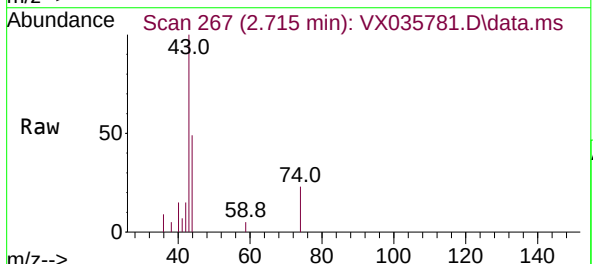
Instrument :
MSVOA_X
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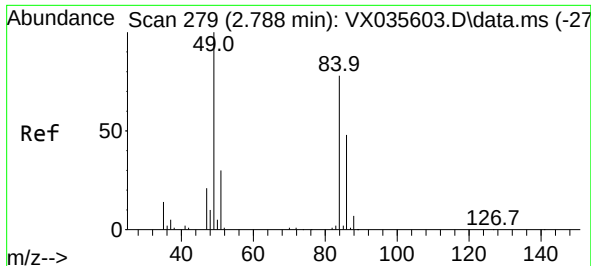
Tgt Ion: 76 Resp: 1002
Ion Ratio Lower Upper
76 100
78 9.9 7.2 10.8



#18
Methyl Acetate
Concen: 0.482 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.012 min
Lab File: VX035781.D
Acq: 22 May 2023 13:52

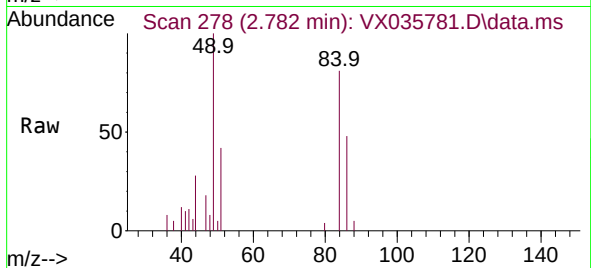
Tgt Ion: 43 Resp: 2041
Ion Ratio Lower Upper
43 100
74 17.7 18.3 27.5#



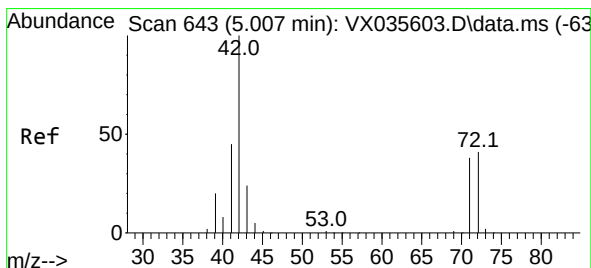
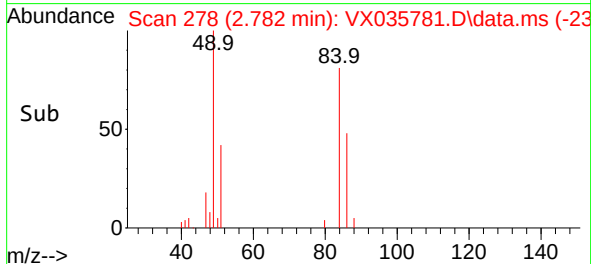
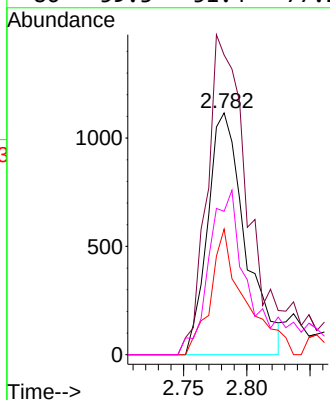


#20
Methylene Chloride
Concen: 1.110 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX035781.D
Acq: 22 May 2023 13:52

Instrument :
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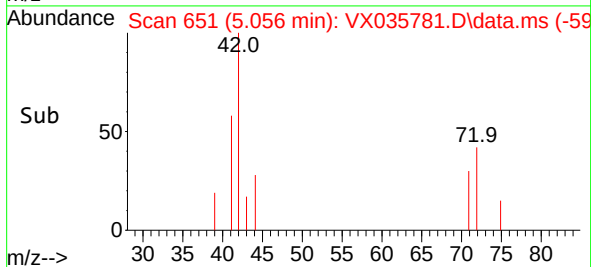
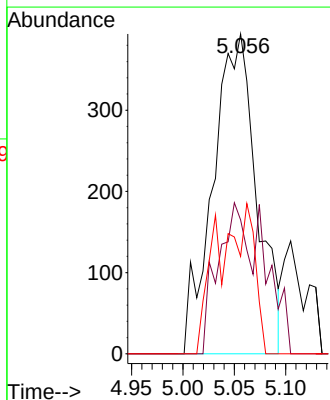
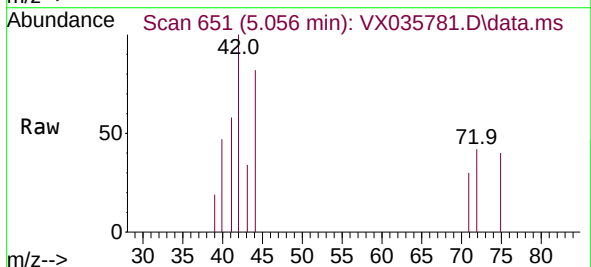


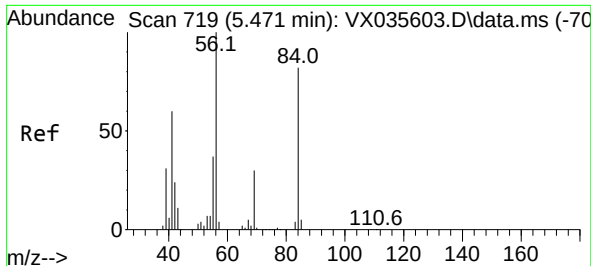
Tgt Ion:	84	Resp:	2310
Ion	Ratio	Lower	Upper
84	100		
49	123.9	103.8	155.8
51	52.0	31.8	47.8#
86	59.3	51.4	77.2



#29
Tetrahydrofuran
Concen: 1.171 ug/l
RT: 5.056 min Scan# 651
Delta R.T. 0.049 min
Lab File: VX035781.D
Acq: 22 May 2023 13:52

Tgt Ion:	42	Resp:	1170
Ion	Ratio	Lower	Upper
42	100		
72	32.8	34.5	51.7#
71	0.0	32.1	48.1#

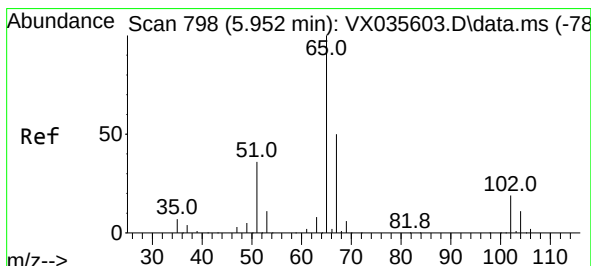
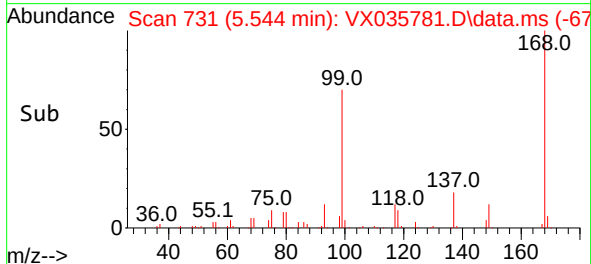
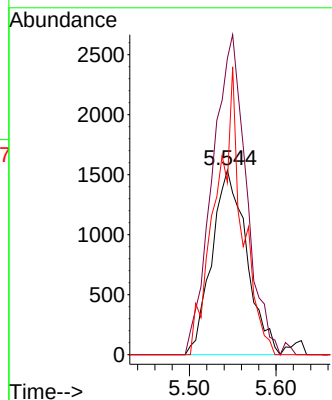
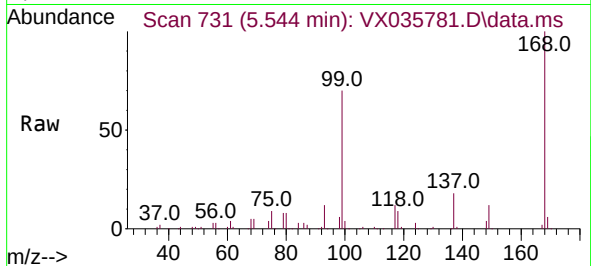




#31
Cyclohexane
Concen: 1.273 ug/l
RT: 5.544 min Scan# 719
Delta R.T. 0.073 min
Lab File: VX035781.D
Acq: 22 May 2023 13:52

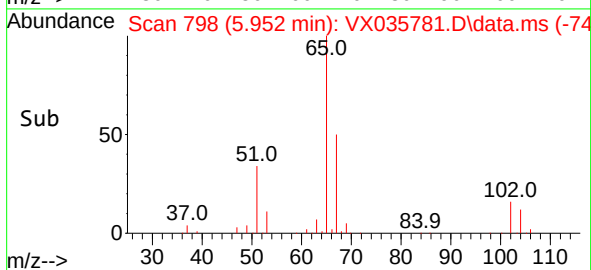
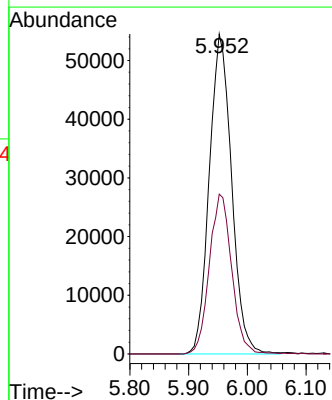
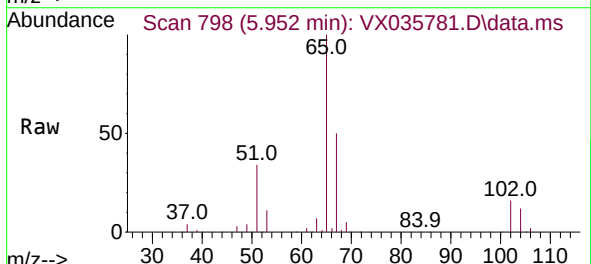
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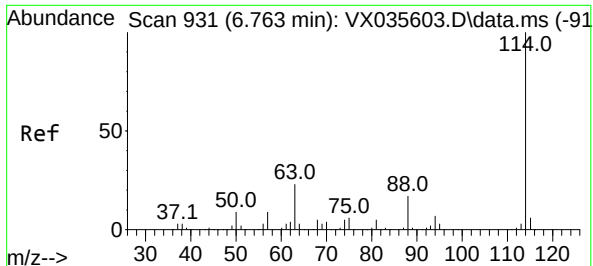
Tgt Ion: 56 Resp: 4298
Ion Ratio Lower Upper
56 100
69 160.7 23.7 35.5#
84 93.4 68.5 102.7



#33
1,2-Dichloroethane-d4
Concen: 53.798 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX035781.D
Acq: 22 May 2023 13:52

Tgt Ion: 65 Resp: 143786
Ion Ratio Lower Upper
65 100
67 49.9 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 91

Delta R.T. -0.006 min

Lab File: VX035781.D

Acq: 22 May 2023 13:52

Instrument :

MSVOA_X

ClientSampleId :

CB-14-G1-SO-74-051523ME

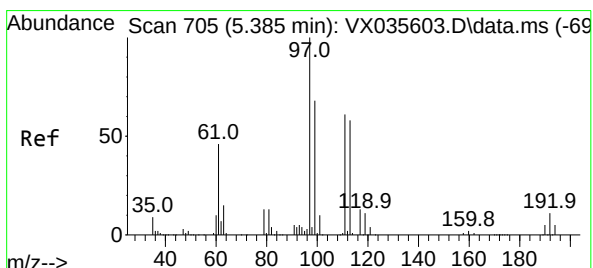
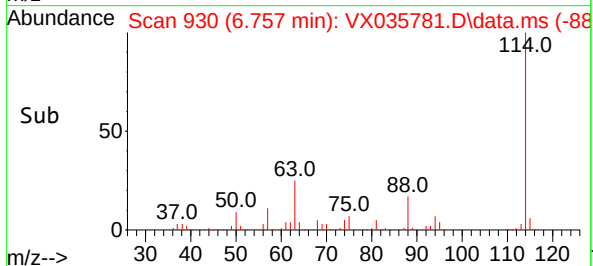
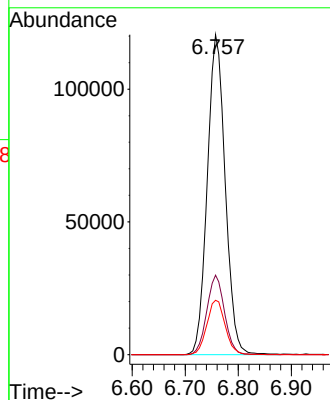
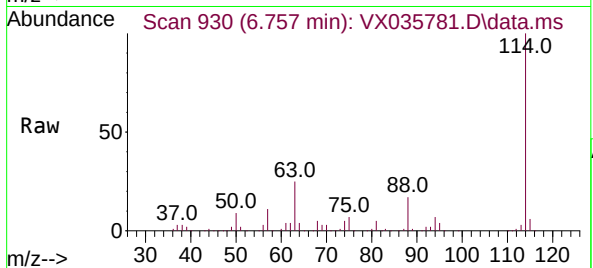
Tgt Ion:114 Resp: 283369

Ion Ratio Lower Upper

114 100

63 24.8 0.0 42.2

88 17.0 0.0 33.2



#35

Dibromofluoromethane

Concen: 46.054 ug/l

RT: 5.379 min Scan# 704

Delta R.T. -0.006 min

Lab File: VX035781.D

Acq: 22 May 2023 13:52

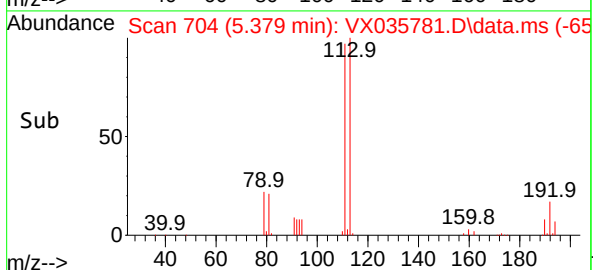
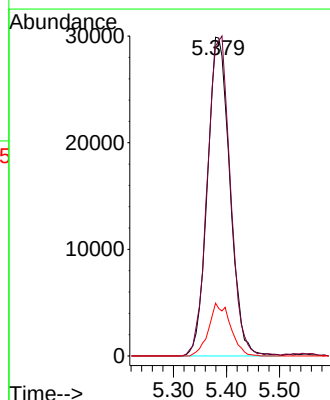
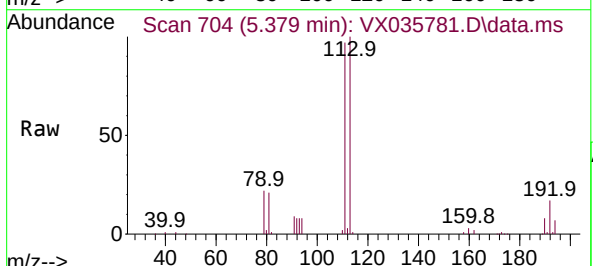
Tgt Ion:113 Resp: 88010

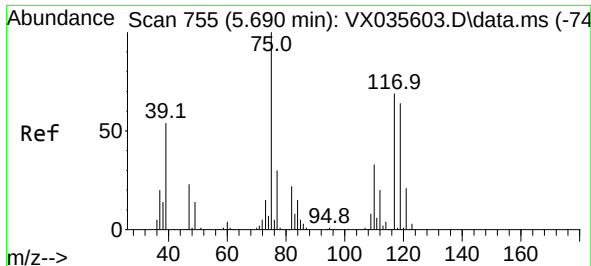
Ion Ratio Lower Upper

113 100

111 101.8 83.7 125.5

192 16.1 15.4 23.2

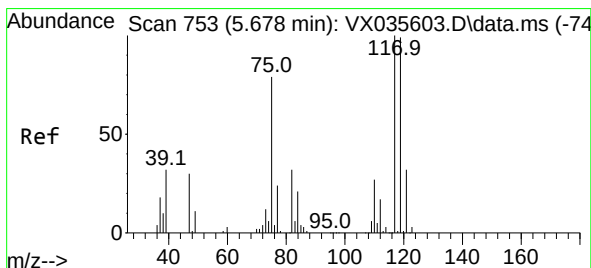
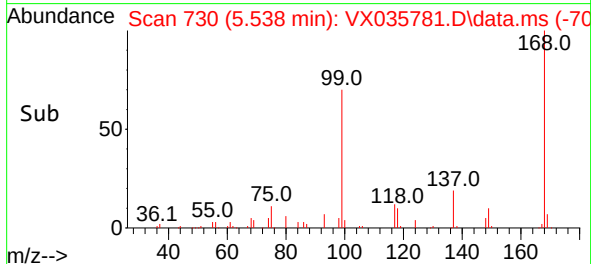
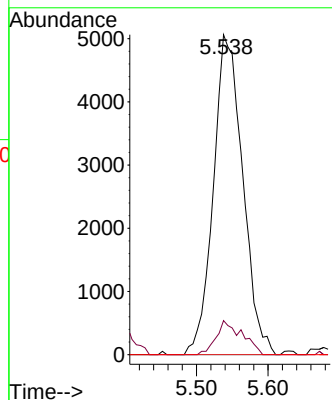
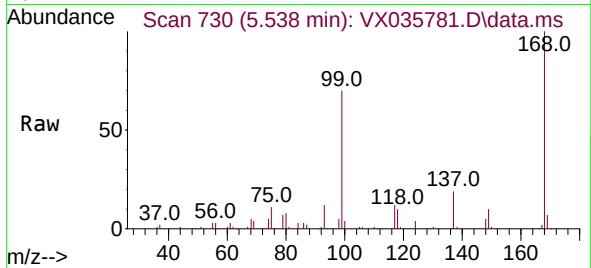




#36
1,1-Dichloropropene
Concen: 4.787 ug/l
RT: 5.538 min Scan# 711
Delta R.T. -0.152 min
Lab File: VX035781.D
Acq: 22 May 2023 13:52

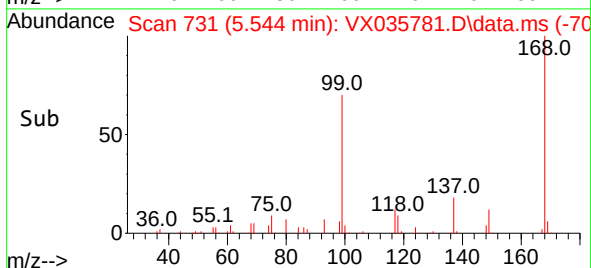
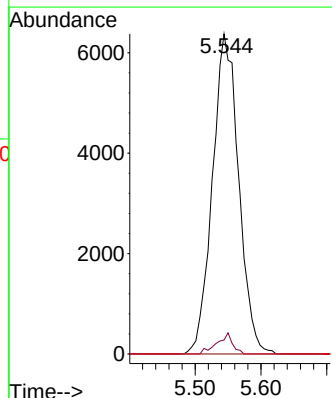
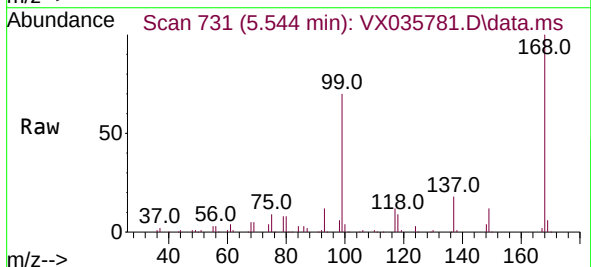
Instrument :
MSVOA_X
ClientSampleId :
CB-14-G1-SO-74-051523ME

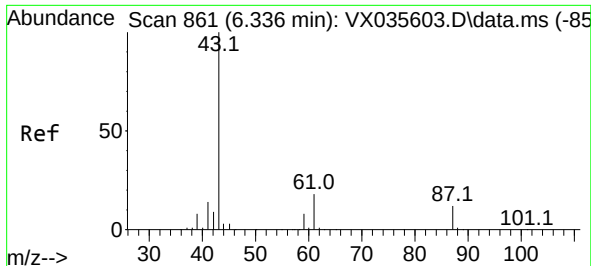
Tgt Ion: 75 Resp: 14439
Ion Ratio Lower Upper
75 100
110 9.4 17.5 52.5#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 6.187 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.134 min
Lab File: VX035781.D
Acq: 22 May 2023 13:52

Tgt Ion: 117 Resp: 17678
Ion Ratio Lower Upper
117 100
119 4.4 76.6 114.8#
121 0.0 23.8 35.6#

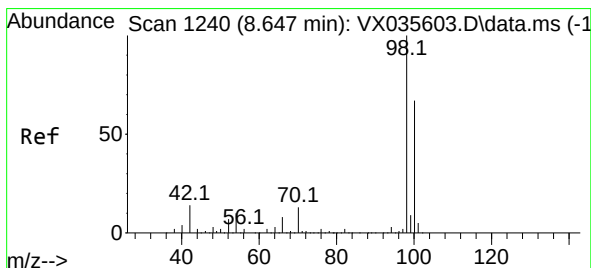
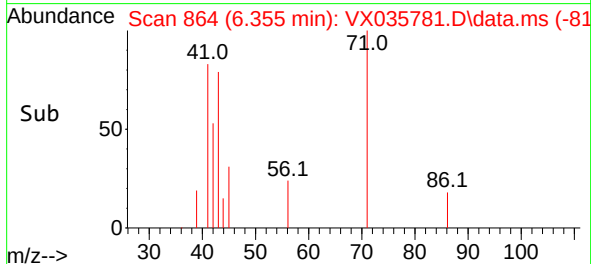
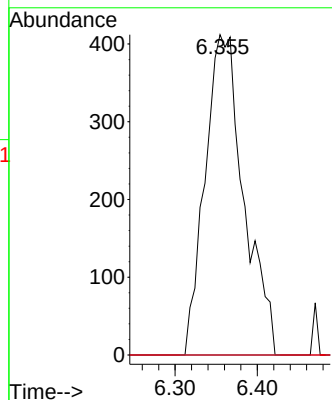
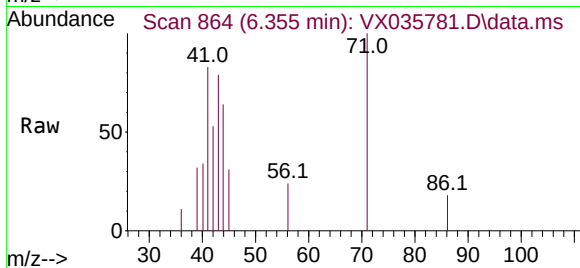




#43
Isopropyl Acetate
Concen: 0.246 ug/l
RT: 6.355 min Scan# 864
Delta R.T. 0.019 min
Lab File: VX035781.D
Acq: 22 May 2023 13:52

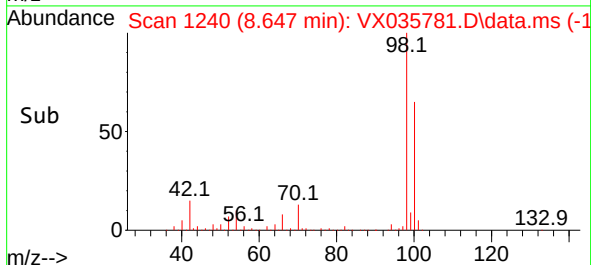
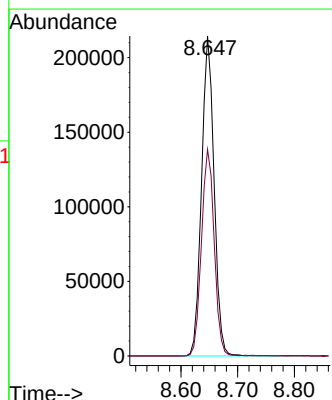
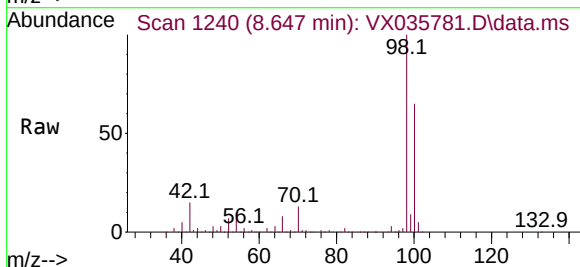
Instrument :
MSVOA_X
ClientSampleId :
CB-14-G1-SO-74-051523ME

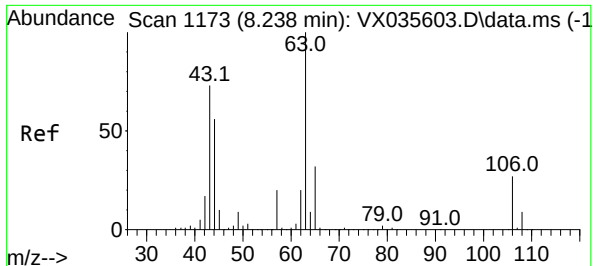
Tgt Ion: 43 Resp: 1352
Ion Ratio Lower Upper
43 100
61 0.0 15.2 22.8#
87 0.0 9.8 14.8#



#50
Toluene-d8
Concen: 46.626 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX035781.D
Acq: 22 May 2023 13:52

Tgt Ion: 98 Resp: 329174
Ion Ratio Lower Upper
98 100
100 65.7 52.5 78.7

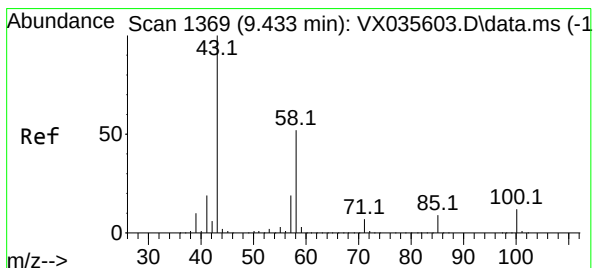
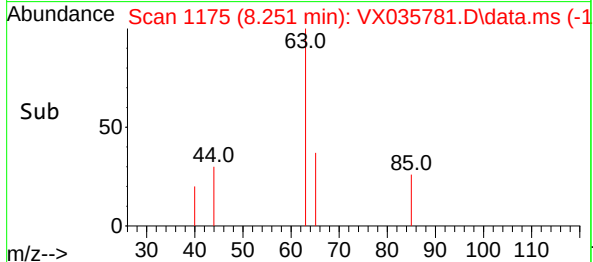
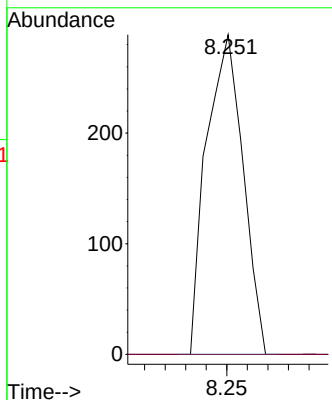
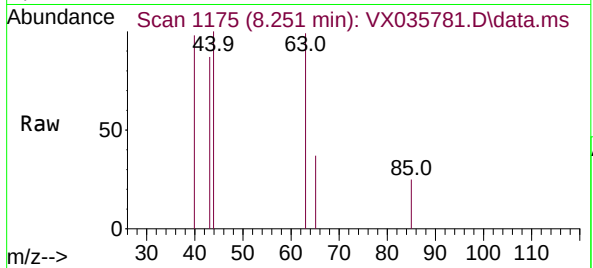




#58
2-Chloroethyl Vinyl ether
Concen: 0.207 ug/l
RT: 8.251 min Scan# 1175
Delta R.T. 0.013 min
Lab File: VX035781.D
Acq: 22 May 2023 13:52

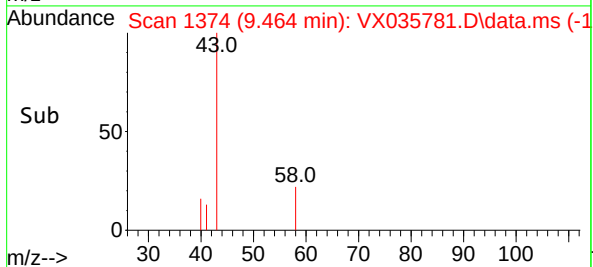
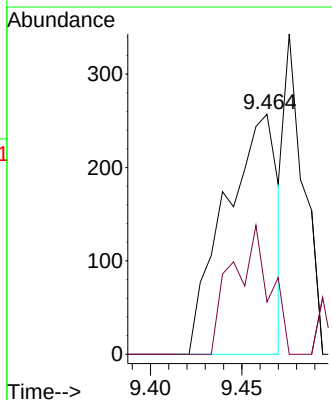
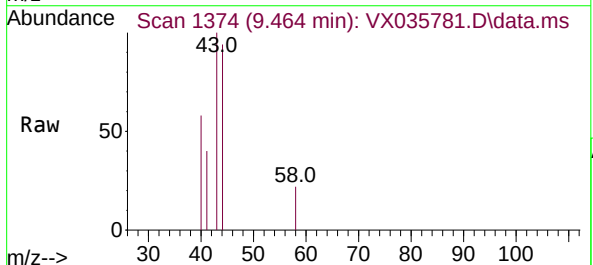
Instrument : MSVOA_X
ClientSampleId : CB-14-G1-SO-74-051523ME

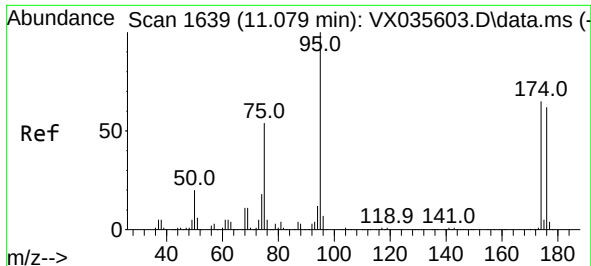
Tgt Ion: 63 Resp: 357
Ion Ratio Lower Upper
63 100
106 0.0 22.2 33.2#



#59
2-Hexanone
Concen: 0.215 ug/l
RT: 9.464 min Scan# 1374
Delta R.T. 0.031 min
Lab File: VX035781.D
Acq: 22 May 2023 13:52

Tgt Ion: 43 Resp: 511
Ion Ratio Lower Upper
43 100
58 38.2 26.3 78.9

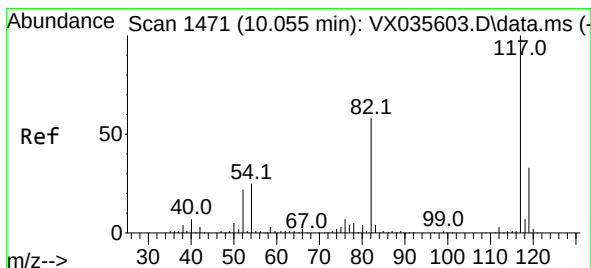
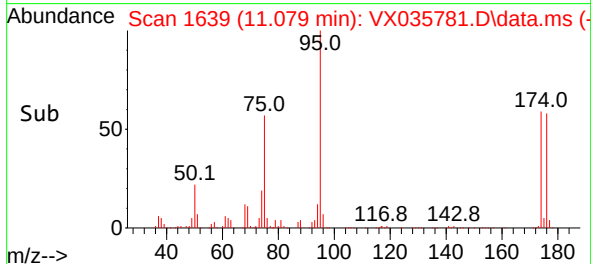
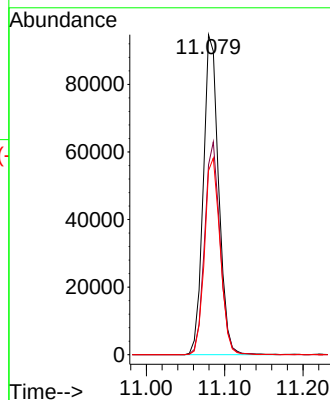
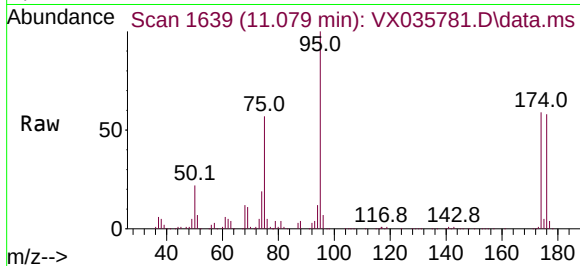




#62
4-Bromofluorobenzene
Concen: 45.242 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX035781.D
Acq: 22 May 2023 13:52

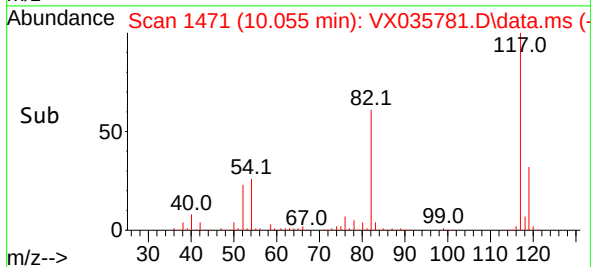
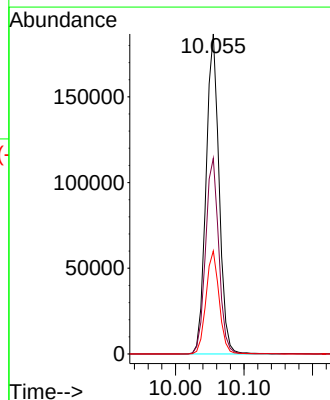
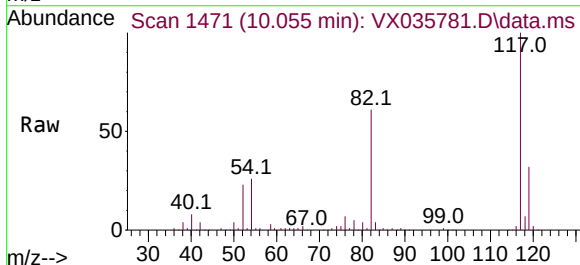
Instrument :
MSVOA_X
ClientSampleId :
CB-14-G1-SO-74-051523ME

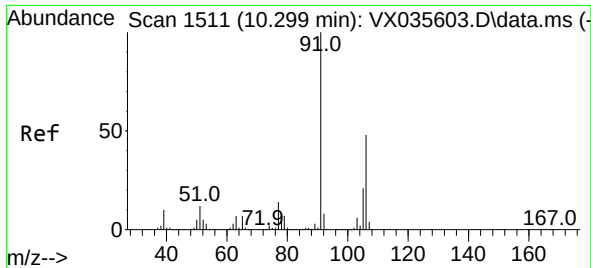
Tgt Ion: 95 Resp: 128604
Ion Ratio Lower Upper
95 100
174 66.6 0.0 147.4
176 62.4 0.0 140.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX035781.D
Acq: 22 May 2023 13:52

Tgt Ion: 117 Resp: 247324
Ion Ratio Lower Upper
117 100
82 61.2 45.0 67.4
119 32.2 26.0 39.0

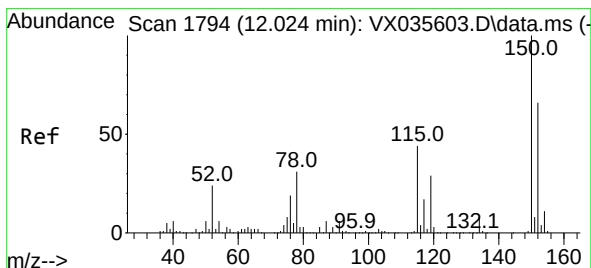
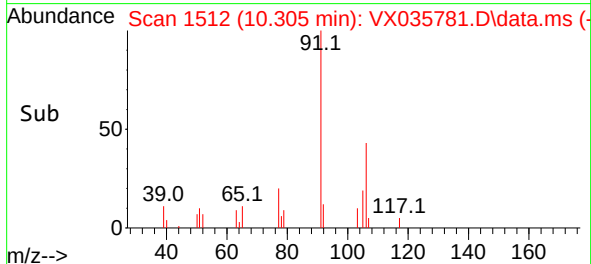
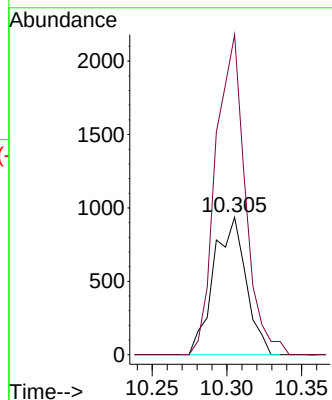
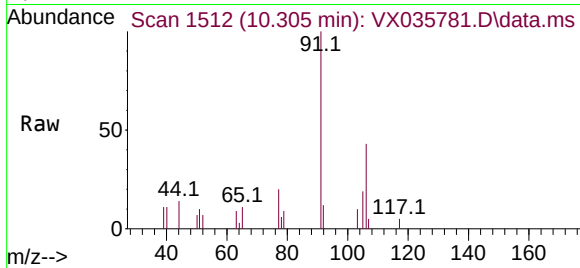




#68
m/p-Xylenes
Concen: 0.375 ug/l
RT: 10.305 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX035781.D
Acq: 22 May 2023 13:52

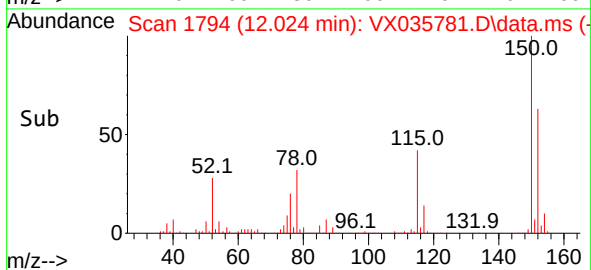
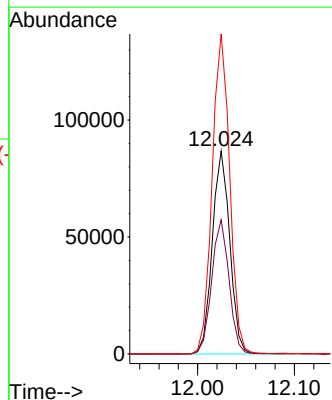
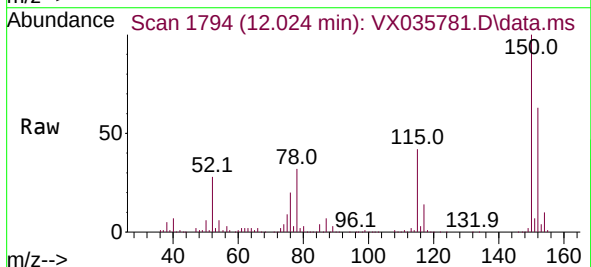
Instrument :
MSVOA_X
ClientSampleId :
CB-14-G1-SO-74-051523ME

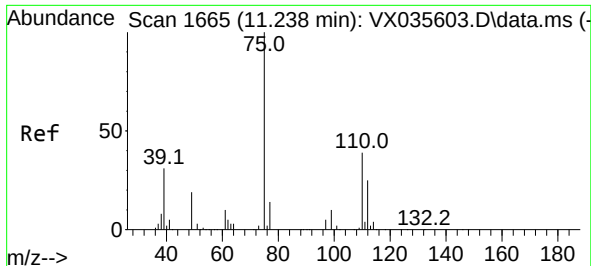
Tgt Ion:106 Resp: 1408
Ion Ratio Lower Upper
106 100
91 212.9 164.0 246.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX035781.D
Acq: 22 May 2023 13:52

Tgt Ion:152 Resp: 108943
Ion Ratio Lower Upper
152 100
115 65.7 45.0 135.0
150 158.5 0.0 352.4

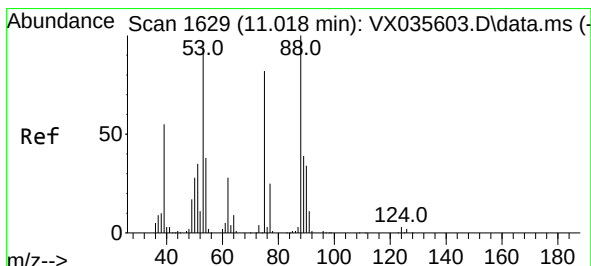
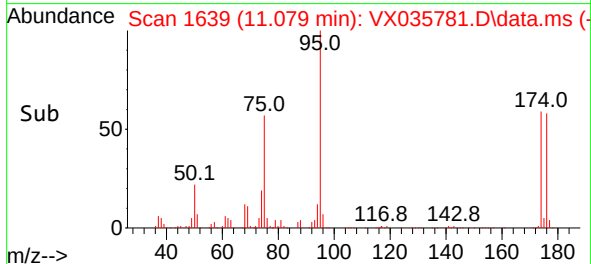
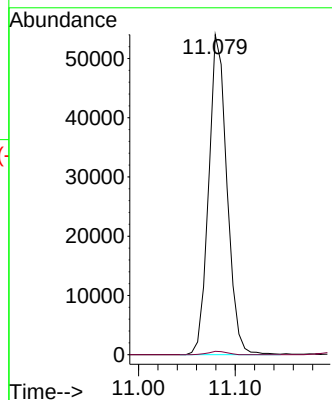
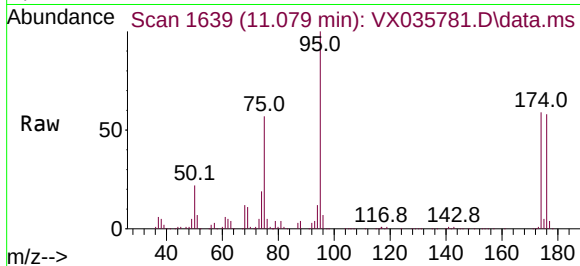




#76
1,2,3-Trichloropropane
Concen: 26.691 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX035781.D
Acq: 22 May 2023 13:52

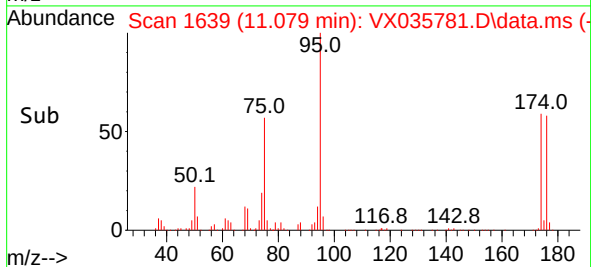
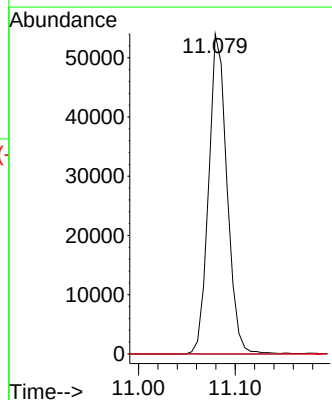
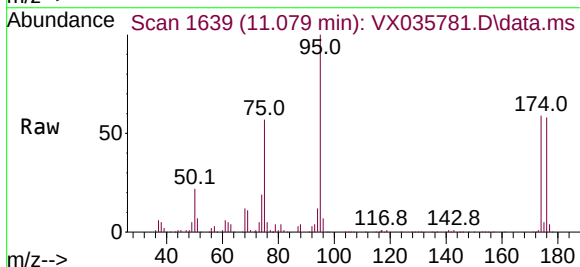
Instrument :
MSVOA_X
ClientSampleId :
CB-14-G1-SO-74-051523ME

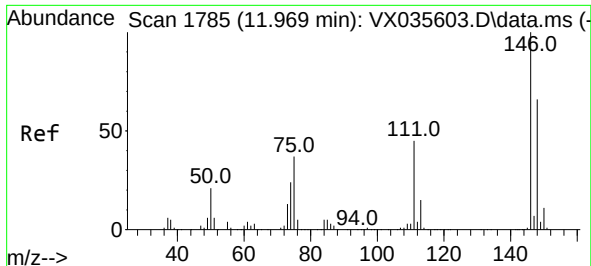
Tgt Ion: 75 Resp: 71127
Ion Ratio Lower Upper
75 100
77 1.1 21.6 64.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 86.023 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX035781.D
Acq: 22 May 2023 13:52

Tgt Ion: 75 Resp: 71127
Ion Ratio Lower Upper
75 100
53 0.0 82.6 124.0#
89 0.0 36.9 55.3#





#87

1,3-Dichlorobenzene

Concen: 0.229 ug/l

RT: 11.976 min Scan# 1786

Delta R.T. 0.007 min

Lab File: VX035781.D

Acq: 22 May 2023 13:52

Instrument :

MSVOA_X

ClientSampleId :

CB-14-G1-SO-74-051523ME

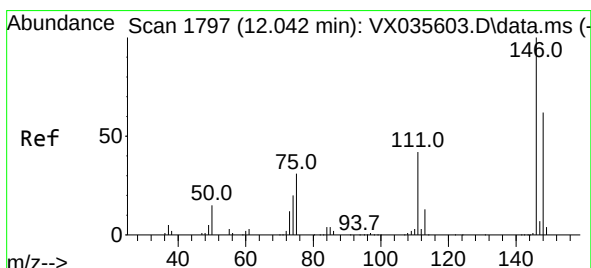
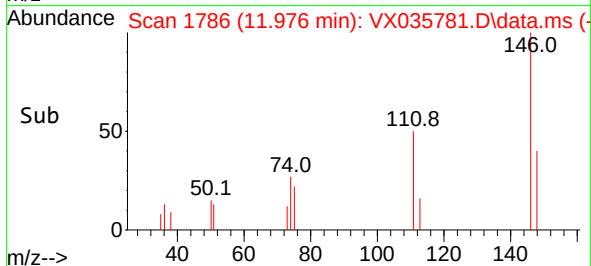
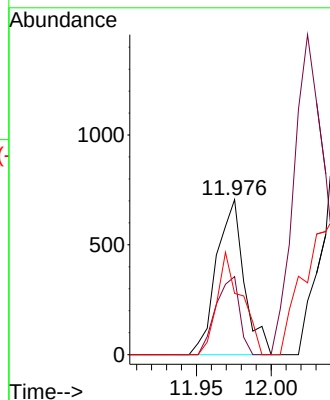
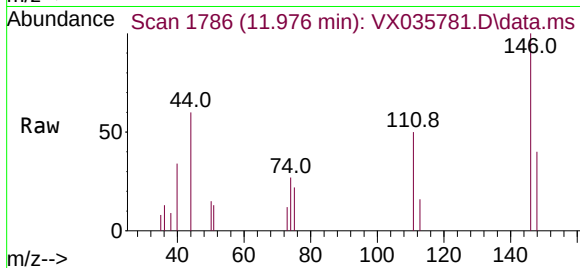
Tgt Ion:146 Resp: 908

Ion Ratio Lower Upper

146 100

111 43.0 20.9 62.8

148 58.1 31.6 95.0



#88

1,4-Dichlorobenzene

Concen: 0.227 ug/l

RT: 11.976 min Scan# 1786

Delta R.T. -0.066 min

Lab File: VX035781.D

Acq: 22 May 2023 13:52

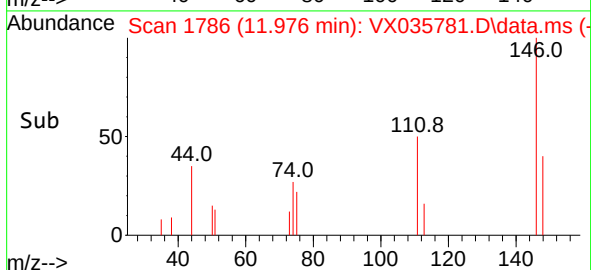
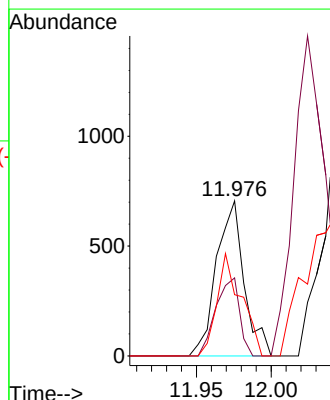
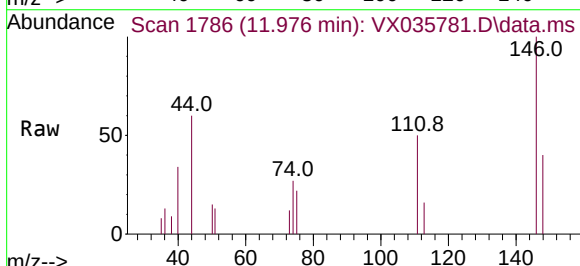
Tgt Ion:146 Resp: 908

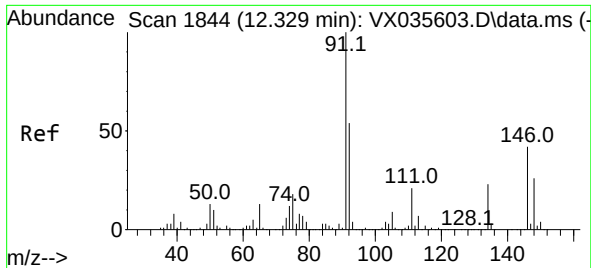
Ion Ratio Lower Upper

146 100

111 43.0 20.6 61.9

148 58.1 31.8 95.4





#89

n-Butylbenzene

Concen: 0.234 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. 0.000 min

Lab File: VX035781.D

Acq: 22 May 2023 13:52

Instrument :

MSVOA_X

ClientSampleId :

CB-14-G1-SO-74-051523ME

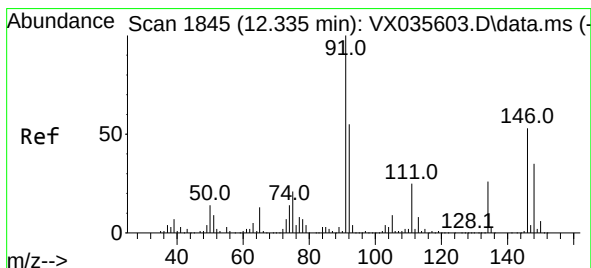
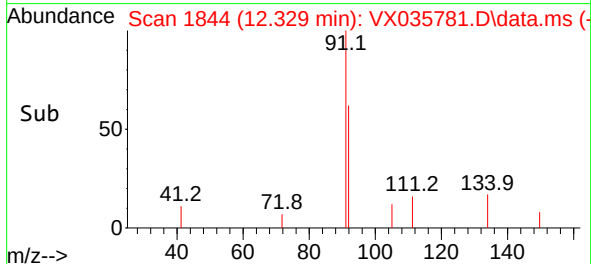
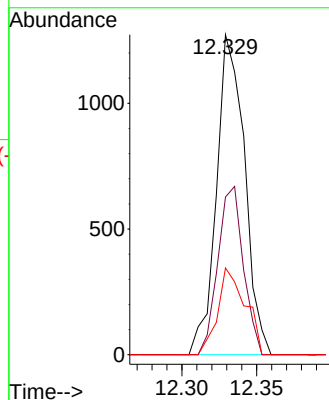
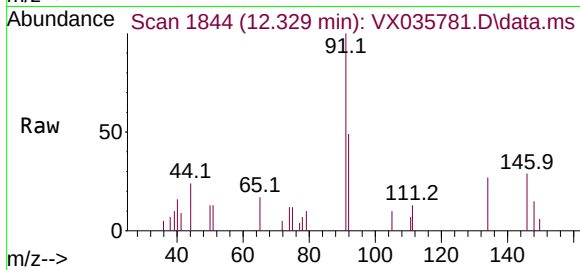
Tgt Ion: 91 Resp: 1663

Ion Ratio Lower Upper

91 100

92 47.6 27.7 83.0

134 26.6 13.0 38.9



#91

1,2-Dichlorobenzene

Concen: 0.208 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.000 min

Lab File: VX035781.D

Acq: 22 May 2023 13:52

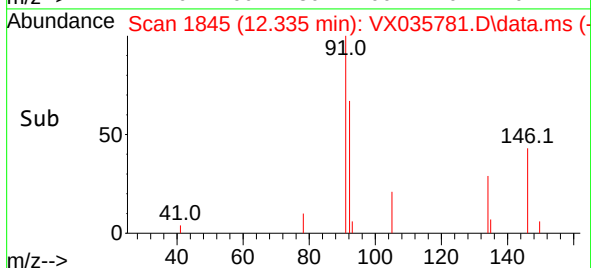
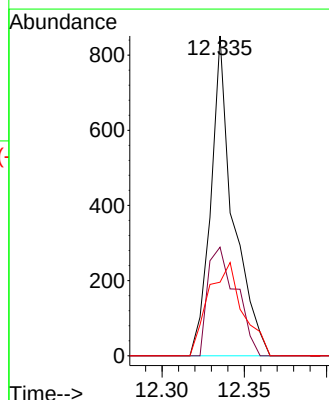
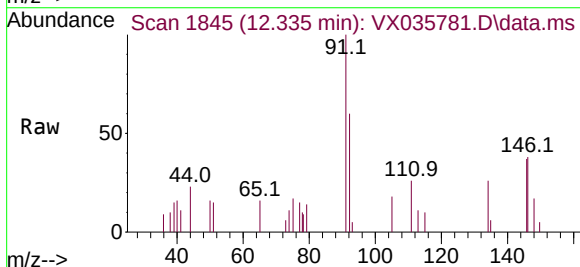
Tgt Ion: 146 Resp: 805

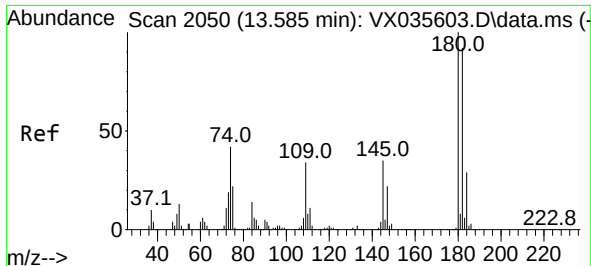
Ion Ratio Lower Upper

146 100

111 43.1 22.0 66.0

148 44.8 32.0 96.0

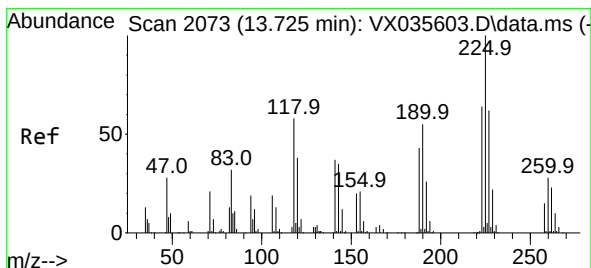
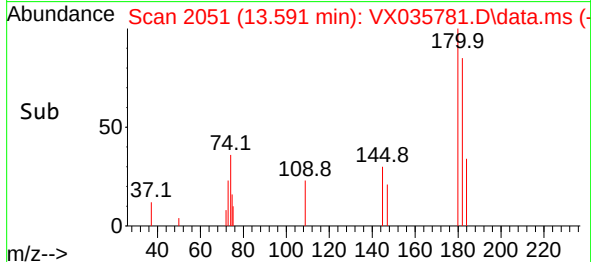
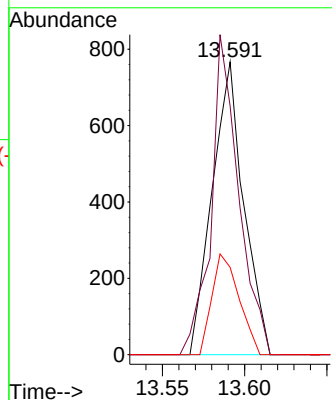
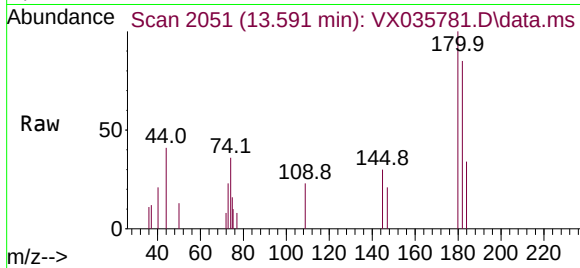




#93
1,2,4-Trichlorobenzene
Concen: 0.439 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX035781.D
Acq: 22 May 2023 13:52

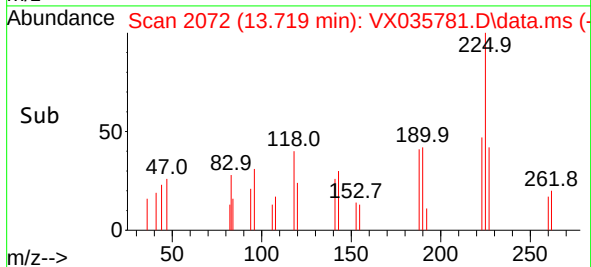
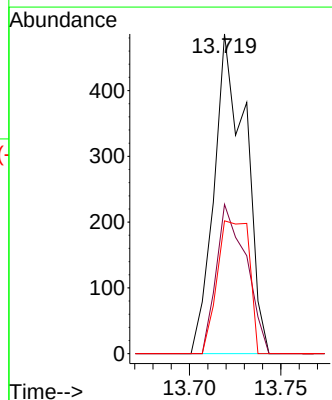
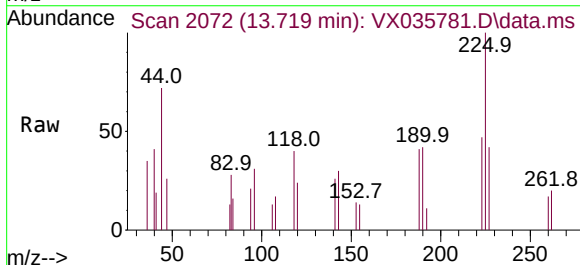
Instrument :
MSVOA_X
ClientSampleId :
CB-14-G1-SO-74-051523ME

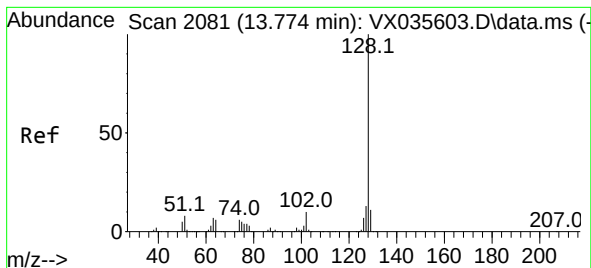
Tgt Ion:180 Resp: 1024
Ion Ratio Lower Upper
180 100
182 94.8 47.0 141.0
145 29.4 15.9 47.7



#94
Hexachlorobutadiene
Concen: 0.627 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX035781.D
Acq: 22 May 2023 13:52

Tgt Ion:225 Resp: 581
Ion Ratio Lower Upper
225 100
223 44.1 32.1 96.5
227 42.2 31.8 95.4





#95

Naphthalene

Concen: 0.310 ug/l

RT: 13.780 min Scan# 2081

Delta R.T. 0.006 min

Lab File: VX035781.D

Acq: 22 May 2023 13:52

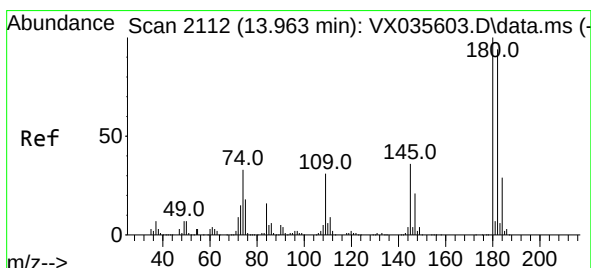
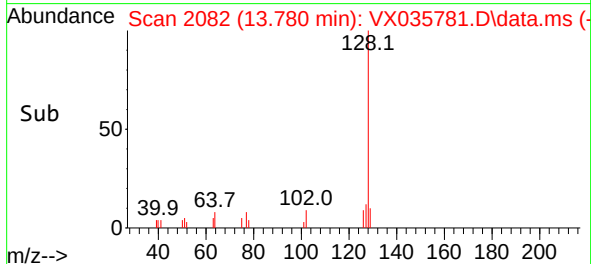
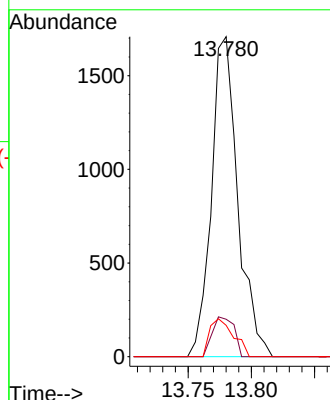
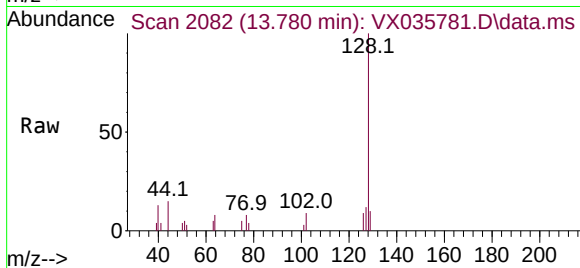
Instrument :

MSVOA_X

ClientSampleId :

CB-14-G1-SO-74-051523ME

Tgt Ion:128	Resp:	2476
Ion Ratio	Lower	Upper
128	100	
127	10.2	10.2 15.4#
129	10.7	8.6 13.0



#96

1,2,3-Trichlorobenzene

Concen: 0.430 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. -0.000 min

Lab File: VX035781.D

Acq: 22 May 2023 13:52

Tgt Ion:180	Resp:	987
Ion Ratio	Lower	Upper
180	100	
182	95.9	48.0 144.2
145	29.4	17.7 53.1

