

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050323\
 Data File : VY013587.D
 Acq On : 03 May 2023 17:21
 Operator : KP/MD
 Sample : 02585-01
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OK-01-050223

Quant Time: May 04 01:21:36 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:39:58 2023
 Response via : Initial Calibration

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

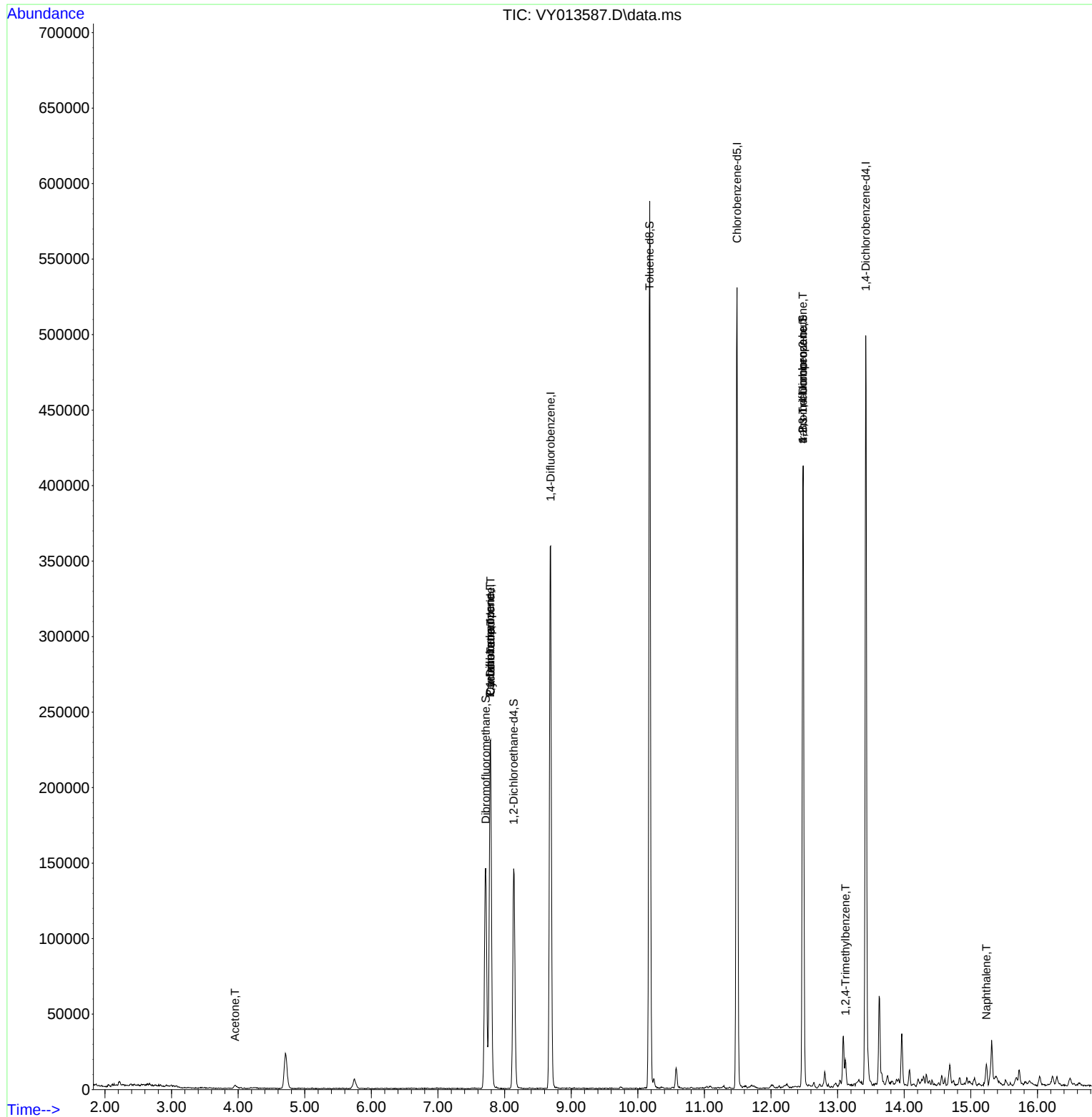
Internal Standards						
1) Pentafluorobenzene	7.783	168	183889	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	304785	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	284790	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	124833	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	119902	59.480	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 118.960%		
35) Dibromofluoromethane	7.716	113	102828	53.641	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 107.280%		
50) Toluene-d8	10.179	98	370001	54.257	ug/l	0.00
Spiked Amount	50.000	Range 58 - 134	Recovery	= 108.520%		
62) 4-Bromofluorobenzene	12.477	95	113029	49.165	ug/l	0.00
Spiked Amount	50.000	Range 30 - 143	Recovery	= 98.320%		
Target Compounds						
					Qvalue	
16) Acetone	3.954	43	4058	5.112	ug/l	96
20) Methylene Chloride	4.710	84	16811	Below Cal		92
31) Cyclohexane	7.789	56	4051	1.122	ug/l #	29
36) 1,1-Dichloropropene	7.783	75	13762	4.326	ug/l #	44
38) Carbon Tetrachloride	7.789	117	18293	5.486	ug/l #	14
76) 1,2,3-Trichloropropane	12.477	75	60491	35.931	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	60491	73.499	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.117	105	8074	1.078	ug/l	99
95) Naphthalene	15.233	128	10884	2.138	ug/l	98

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

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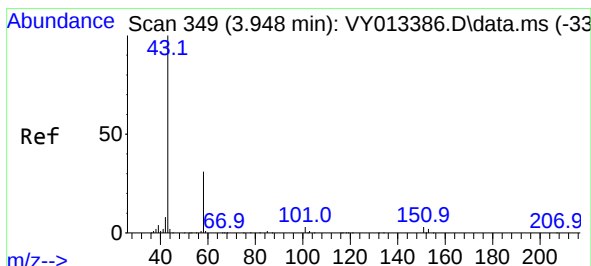
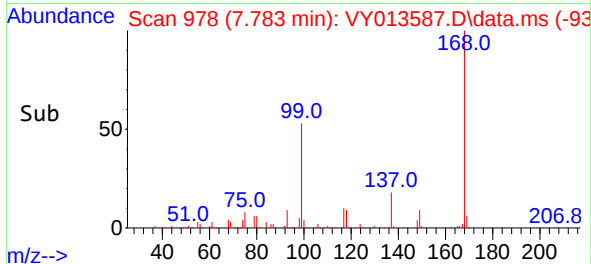
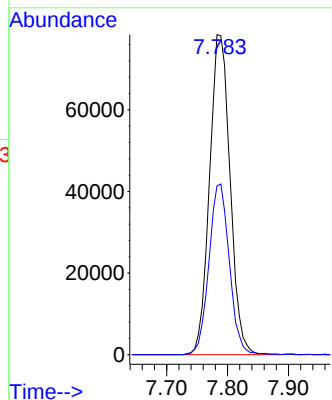
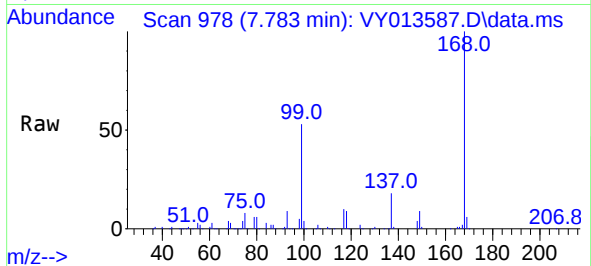




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013587.D
Acq: 03 May 2023 17:21

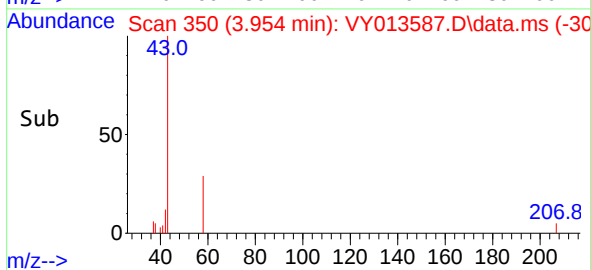
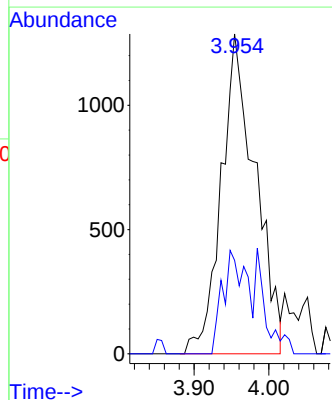
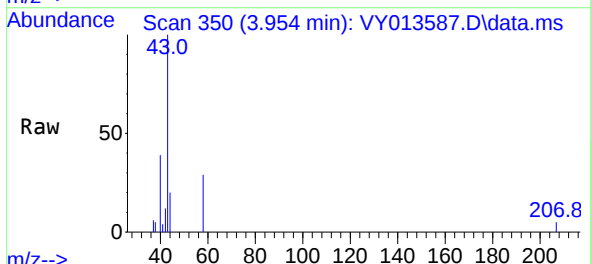
Instrument :
MSVOA_Y
ClientSampleId :
OK-01-050223

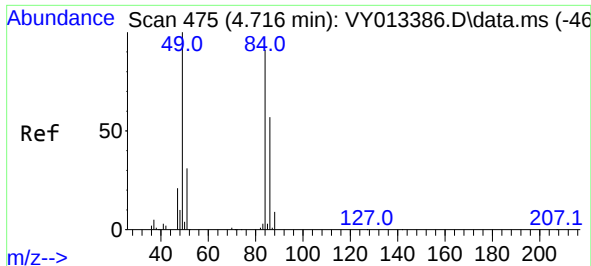
Tgt Ion:168 Resp: 183889
Ion Ratio Lower Upper
168 100
99 52.7 41.8 62.6



#16
Acetone
Concen: 5.112 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.006 min
Lab File: VY013587.D
Acq: 03 May 2023 17:21

Tgt Ion: 43 Resp: 4058
Ion Ratio Lower Upper
43 100
58 29.2 25.4 38.0



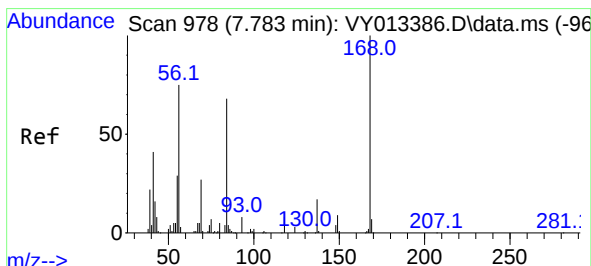
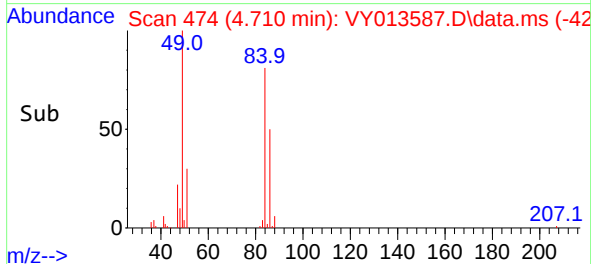
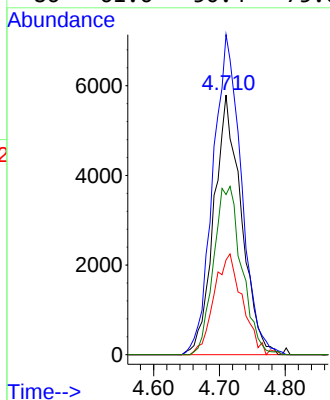
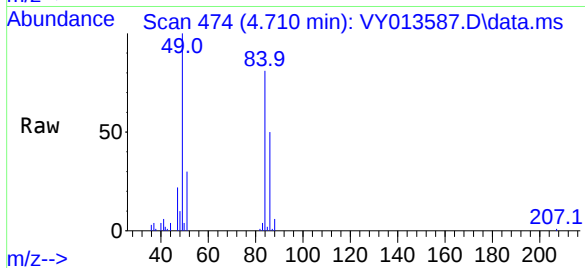


#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 475
Delta R.T. -0.006 min
Lab File: VY013587.D
Acq: 03 May 2023 17:21

Instrument :
MSVOA_Y
ClientSampleId :
OK-01-050223

Tgt Ion: 84 Resp: 16811

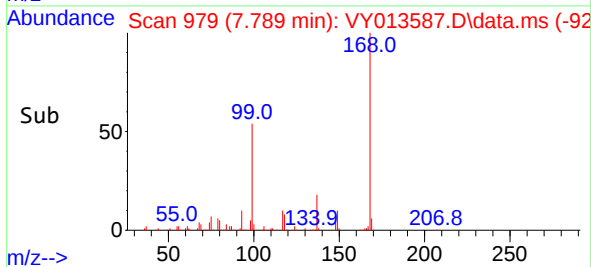
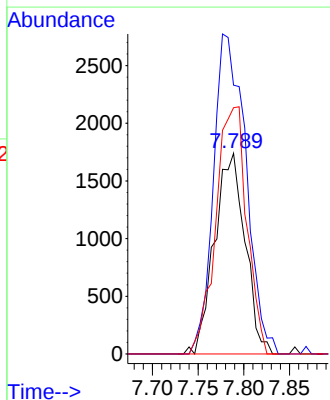
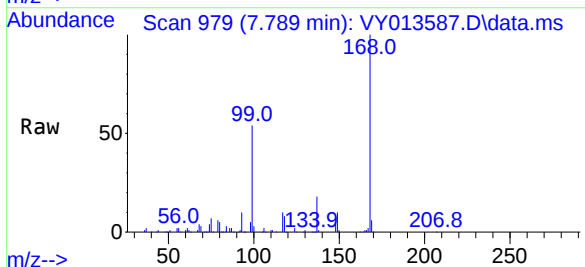
Ion	Ratio	Lower	Upper
84	100		
49	123.2	88.0	132.0
51	36.5	27.4	41.0
86	61.6	50.4	75.6

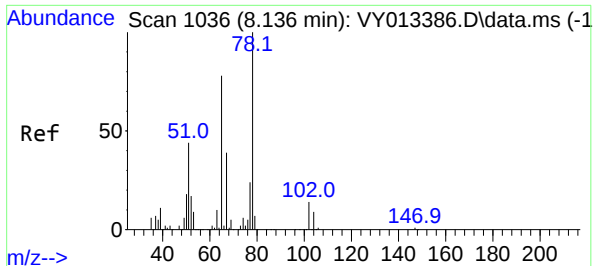


#31
Cyclohexane
Concen: 1.122 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.006 min
Lab File: VY013587.D
Acq: 03 May 2023 17:21

Tgt Ion: 56 Resp: 4051

Ion	Ratio	Lower	Upper
56	100		
69	133.9	29.2	43.8#
84	122.7	73.0	109.6#





#33

1,2-Dichloroethane-d4

Concen: 59.480 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY013587.D

Acq: 03 May 2023 17:21

Instrument :

MSVOA_Y

ClientSampleId :

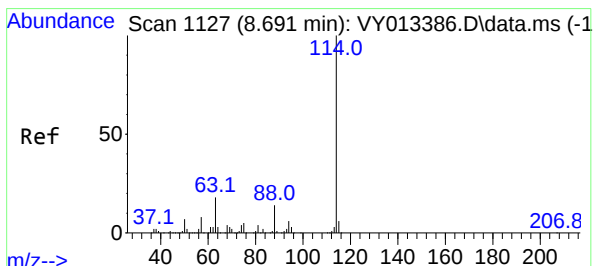
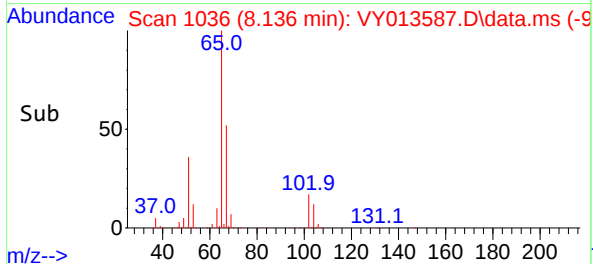
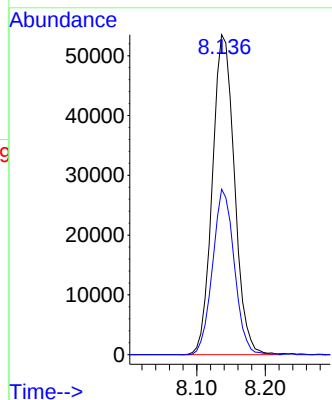
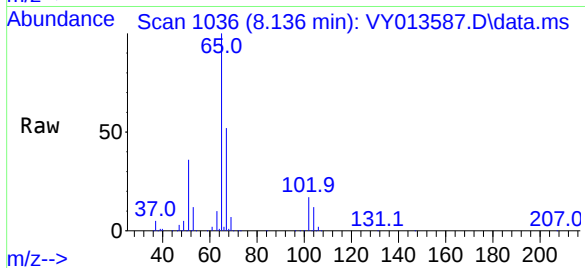
OK-01-050223

Tgt Ion: 65 Resp: 119902

Ion Ratio Lower Upper

65 100

67 50.8 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY013587.D

Acq: 03 May 2023 17:21

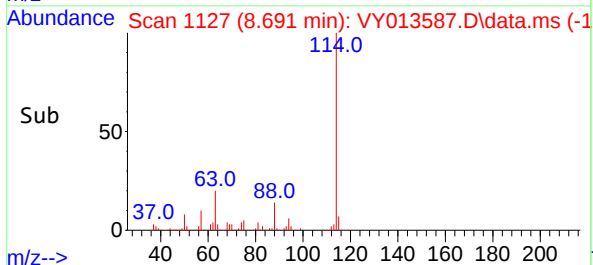
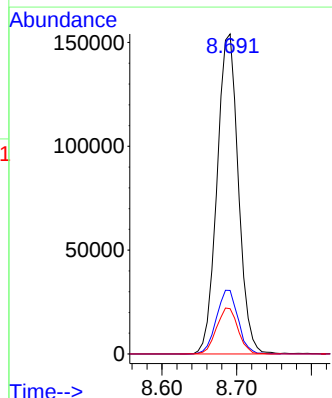
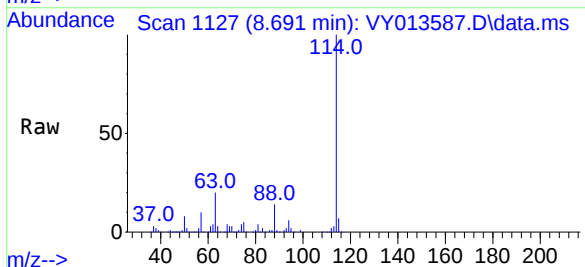
Tgt Ion: 114 Resp: 304785

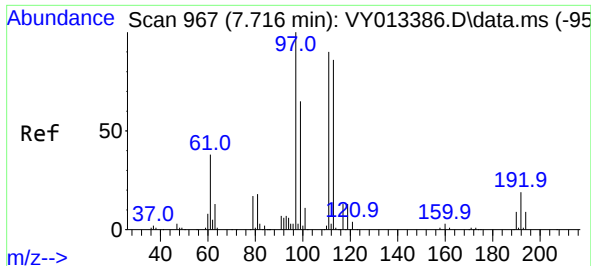
Ion Ratio Lower Upper

114 100

63 19.9 0.0 36.6

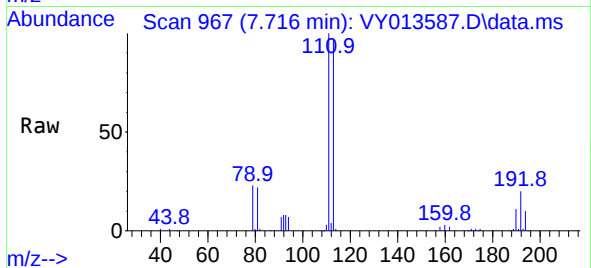
88 14.2 0.0 28.8





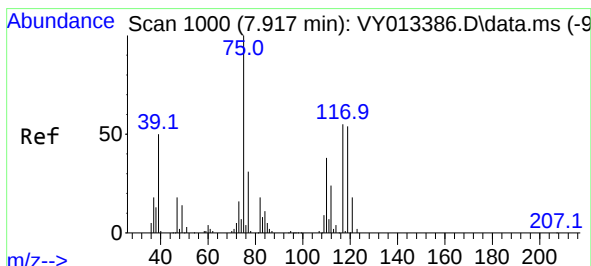
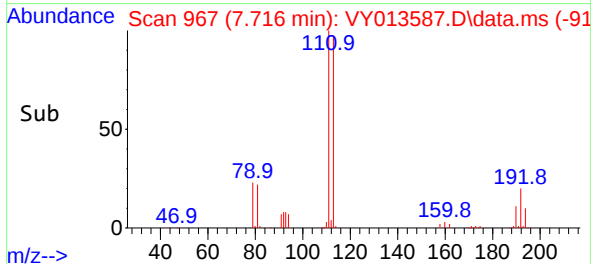
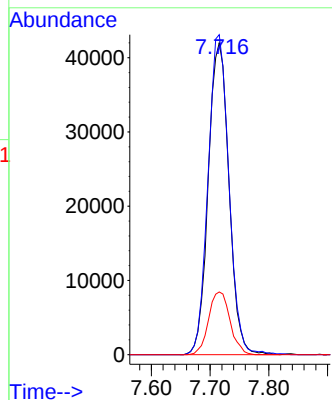
#35
Dibromofluoromethane
Concen: 53.641 ug/l
RT: 7.716 min Scan# 910
Delta R.T. -0.000 min
Lab File: VY013587.D
Acq: 03 May 2023 17:21

Instrument :
MSVOA_Y
ClientSampleId :
OK-01-050223



Tgt Ion:113 Resp: 102828

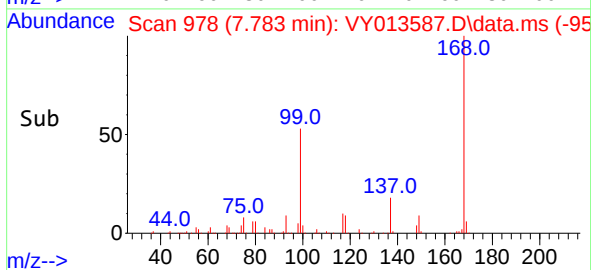
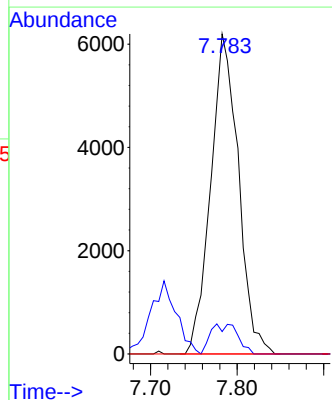
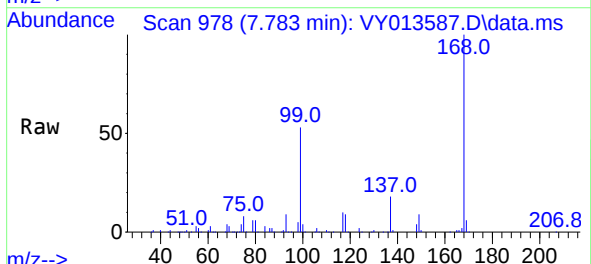
Ion	Ratio	Lower	Upper
113	100		
111	103.4	82.2	123.2
192	20.8	16.7	25.1

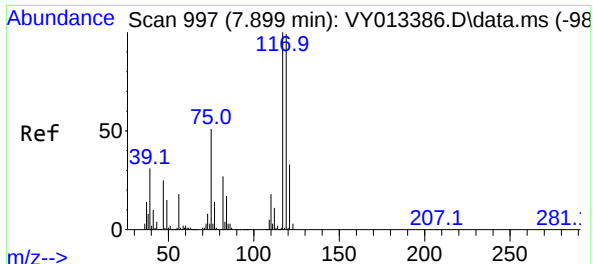


#36
1,1-Dichloropropene
Concen: 4.326 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY013587.D
Acq: 03 May 2023 17:21

Tgt Ion: 75 Resp: 13762

Ion	Ratio	Lower	Upper
75	100		
110	4.5	18.7	56.1#
77	0.0	24.6	37.0#

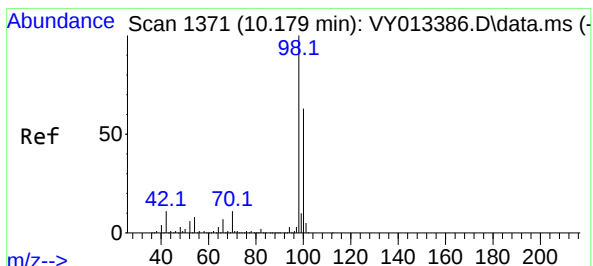
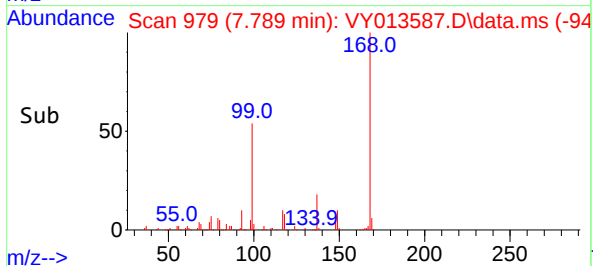
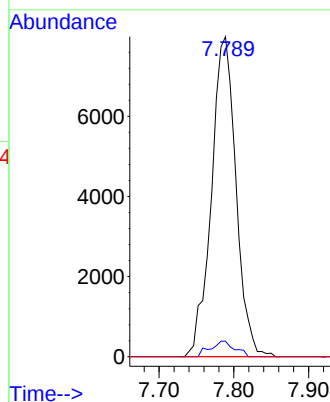
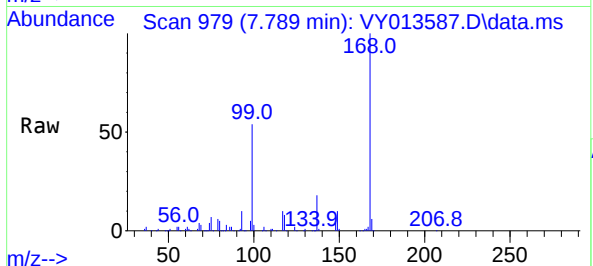




#38
Carbon Tetrachloride
Concen: 5.486 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY013587.D
Acq: 03 May 2023 17:21

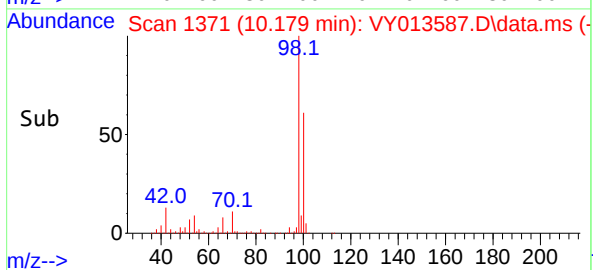
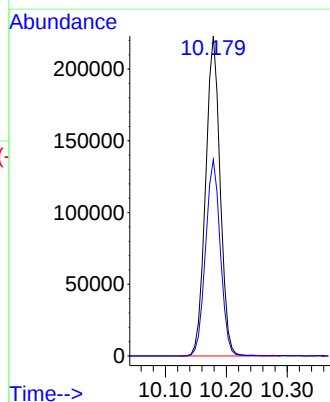
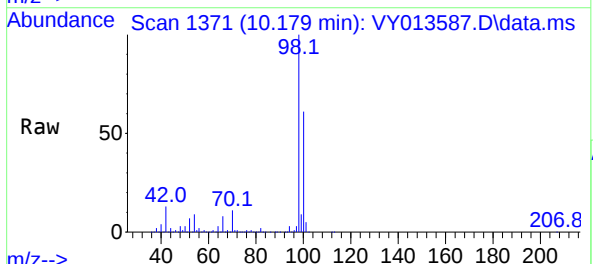
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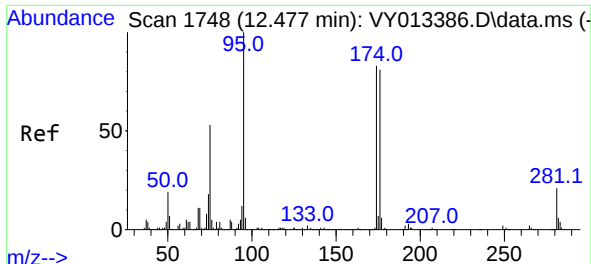
Tgt Ion:117 Resp: 18293
Ion Ratio Lower Upper
117 100
119 4.8 79.0 118.6#
121 0.0 26.6 40.0#



#50
Toluene-d8
Concen: 54.257 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY013587.D
Acq: 03 May 2023 17:21

Tgt Ion: 98 Resp: 370001
Ion Ratio Lower Upper
98 100
100 62.4 50.5 75.7

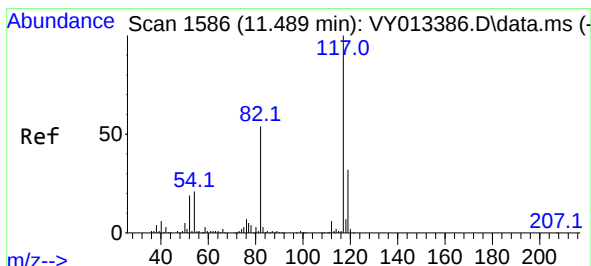
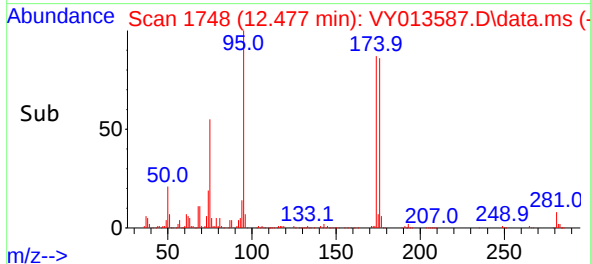
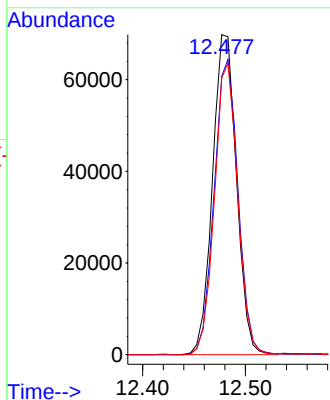
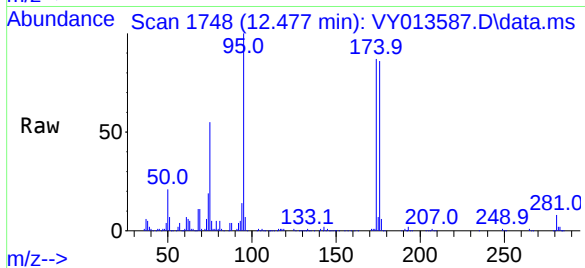




#62
4-Bromofluorobenzene
Concen: 49.165 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY013587.D
Acq: 03 May 2023 17:21

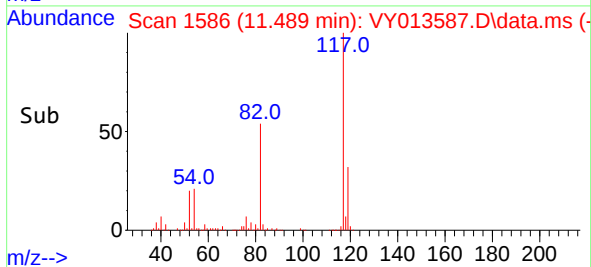
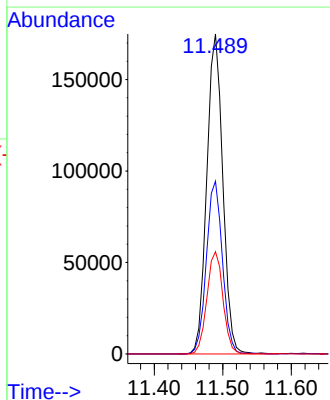
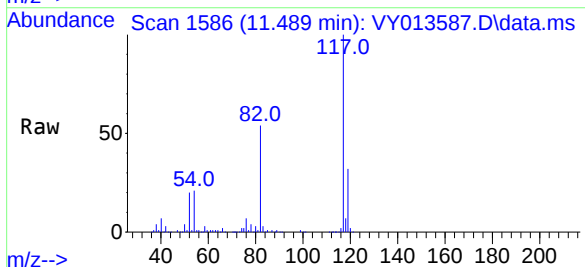
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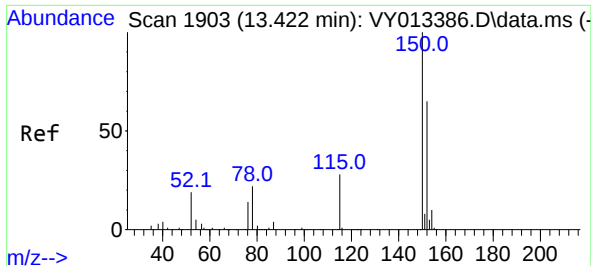
Tgt Ion: 95 Resp: 113029
Ion Ratio Lower Upper
95 100
174 92.0 0.0 182.0
176 88.3 0.0 175.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY013587.D
Acq: 03 May 2023 17:21

Tgt Ion: 117 Resp: 284790
Ion Ratio Lower Upper
117 100
82 54.0 43.0 64.6
119 31.9 25.5 38.3

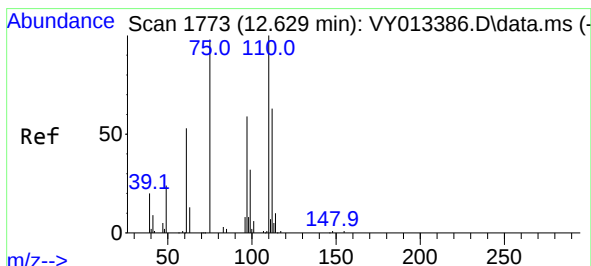
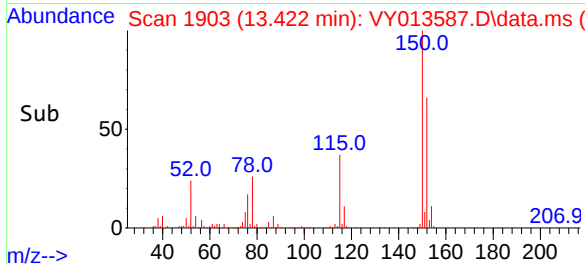
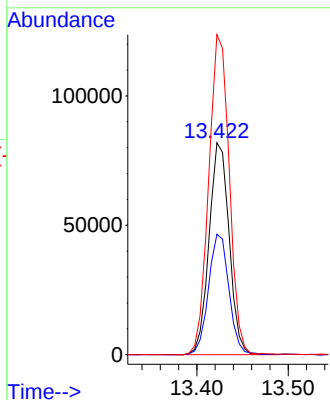
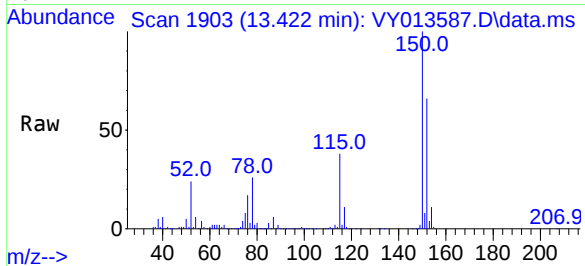




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. -0.000 min
 Lab File: VY013587.D
 Acq: 03 May 2023 17:21

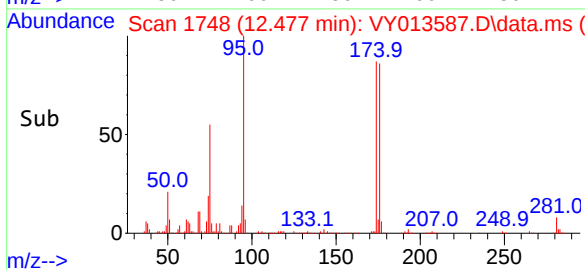
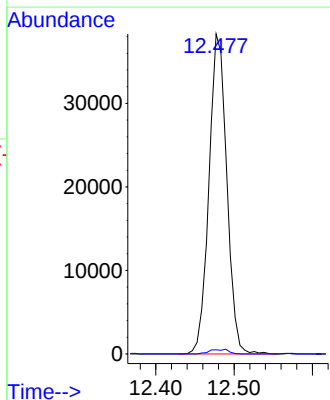
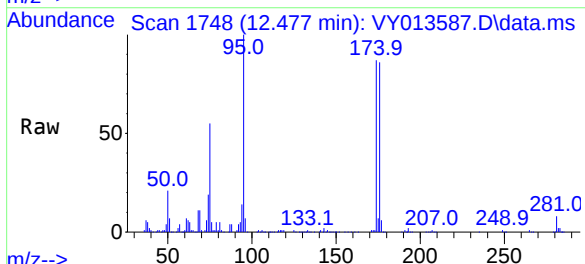
Instrument :
 MSVOA_Y
 ClientSampleId :
 OK-01-050223

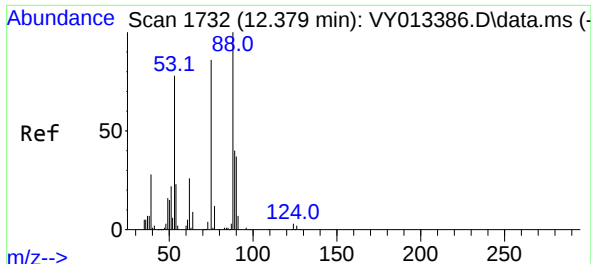
Tgt Ion:152 Resp: 124833
 Ion Ratio Lower Upper
 152 100
 115 58.0 28.1 84.2
 150 154.8 0.0 352.0



#76
 1,2,3-Trichloropropane
 Concen: 35.931 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.152 min
 Lab File: VY013587.D
 Acq: 03 May 2023 17:21

Tgt Ion: 75 Resp: 60491
 Ion Ratio Lower Upper
 75 100
 77 1.6 0.0 0.0#

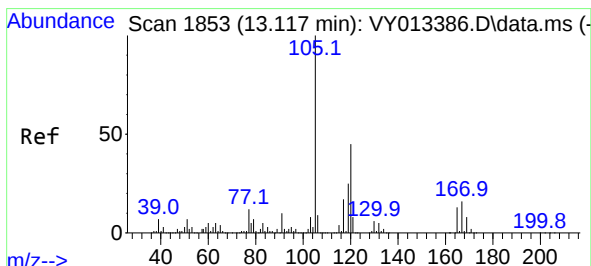
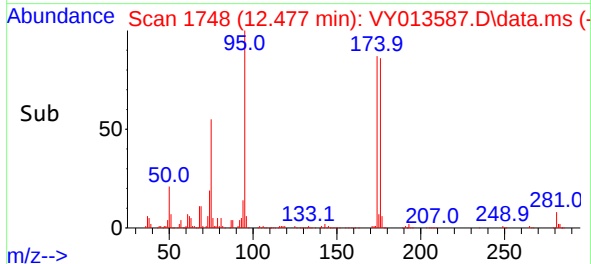
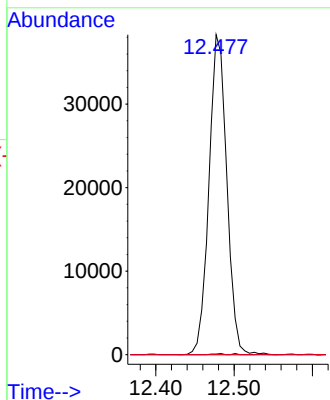
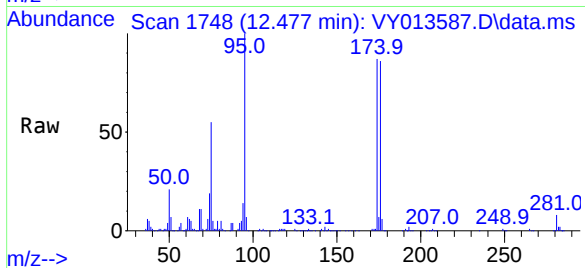




#81
trans-1,4-Dichloro-2-butene
Concen: 73.499 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.098 min
Lab File: VY013587.D
Acq: 03 May 2023 17:21

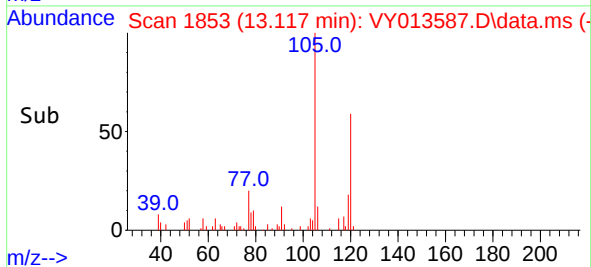
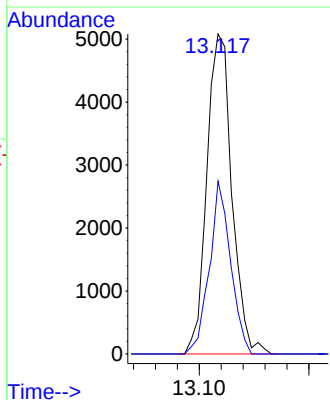
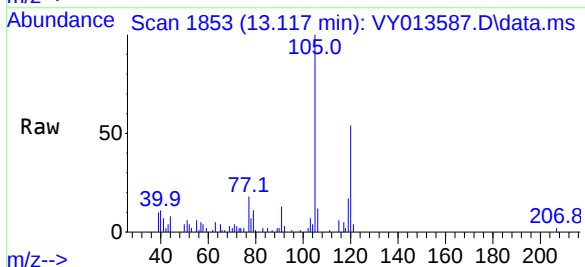
Instrument :
MSVOA_Y
ClientSampleId :
OK-01-050223

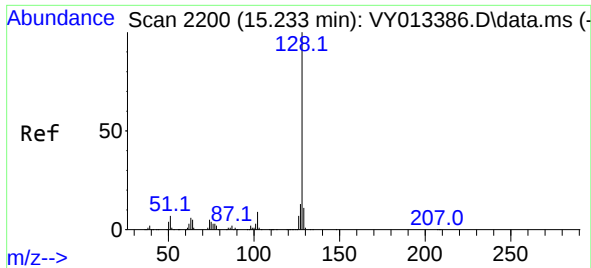
Tgt Ion: 75 Resp: 60491
Ion Ratio Lower Upper
75 100
53 0.2 73.2 109.8#
89 0.0 38.0 57.0#



#84
1,2,4-Trimethylbenzene
Concen: 1.078 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VY013587.D
Acq: 03 May 2023 17:21

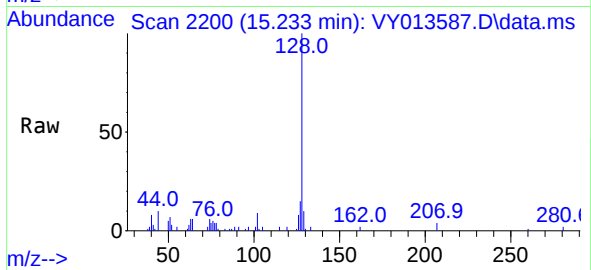
Tgt Ion: 105 Resp: 8074
Ion Ratio Lower Upper
105 100
120 45.6 22.3 66.9





#95
Naphthalene
Concen: 2.138 ug/l
RT: 15.233 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY013587.D
Acq: 03 May 2023 17:21

Instrument :
MSVOA_Y
ClientSampleId :
OK-01-050223



Tgt Ion:	128	Resp:	10884
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.7	16.1
129	12.1	8.8	13.2

