

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060523\
 Data File : VY014004.D
 Acq On : 05 Jun 2023 13:59
 Operator : KP/MD
 Sample : 03002-02RE
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB05BRE

Quant Time: Jun 05 15:33:45 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060123S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 02 07:00:14 2023
 Response via : Initial Calibration

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

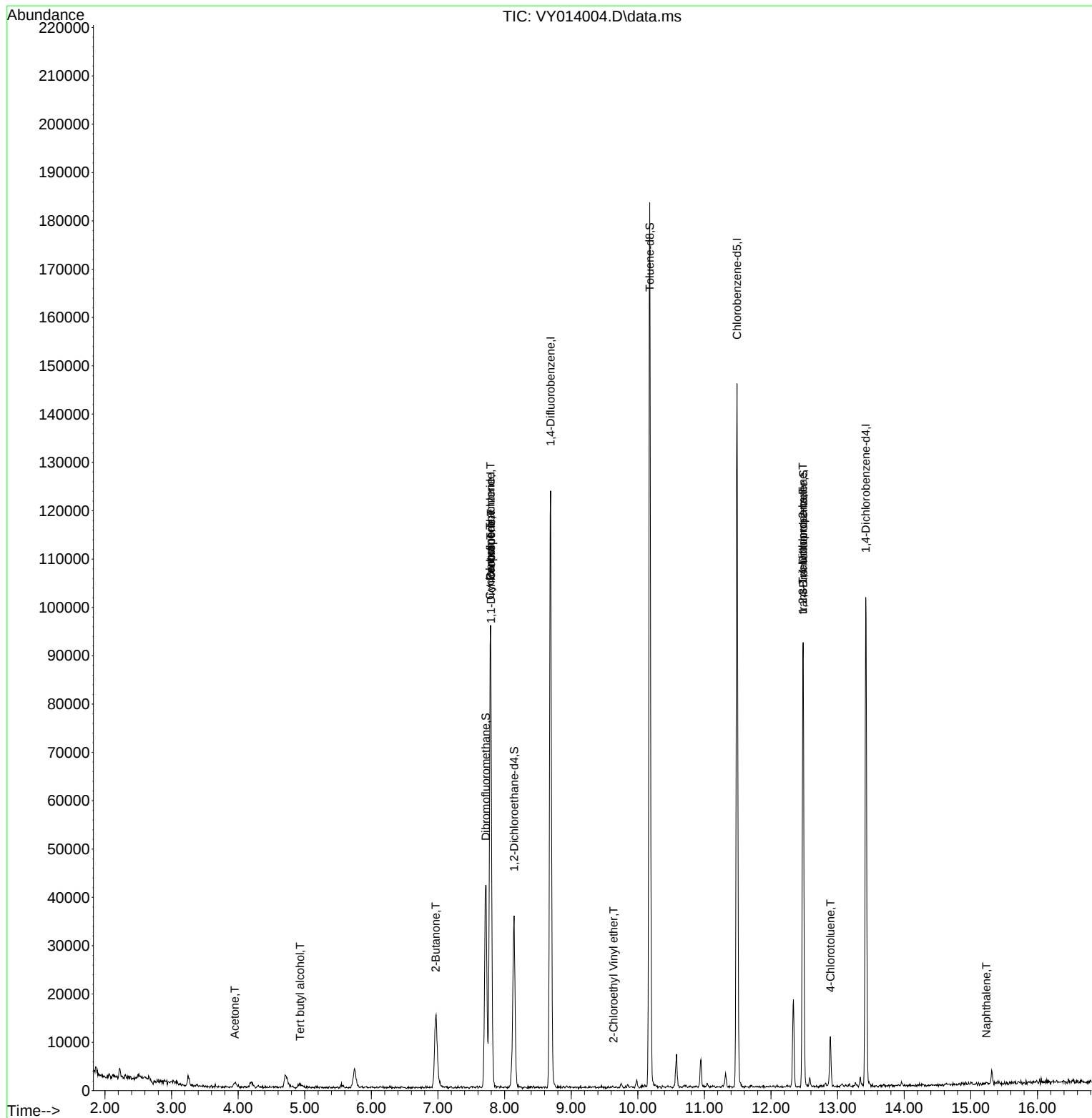
Internal Standards						
1) Pentafluorobenzene	7.789	168	73648	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	100828	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	76287	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	27114	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	28120	28.843	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	57.680%
35) Dibromofluoromethane	7.716	113	29524	46.076	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	92.160%
50) Toluene-d8	10.179	98	117534	48.087	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.180%
62) 4-Bromofluorobenzene	12.483	95	27515	33.021	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	66.040%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.930	59	728	3.633	ug/l #	89
16) Acetone	3.948	43	1883	5.645	ug/l	93
20) Methylene Chloride	4.716	84	2148	Below Cal	#	91
25) 2-Butanone	6.966	43	946	2.277	ug/l #	49
31) Cyclohexane	7.783	56	1801	1.534	ug/l #	35
36) 1,1-Dichloropropene	7.795	75	6033	6.609	ug/l #	50
38) Carbon Tetrachloride	7.789	117	7448	7.281	ug/l #	18
58) 2-Chloroethyl Vinyl ether	9.636	63	22	23.152	ug/l #	48
76) 1,2,3-Trichloropropane	12.477	75	14631	40.099	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	14631	85.071	ug/l #	11
82) 4-Chlorotoluene	12.892	91	1760	1.289	ug/l #	40
95) Naphthalene	15.233	128	389	4.164	ug/l #	69

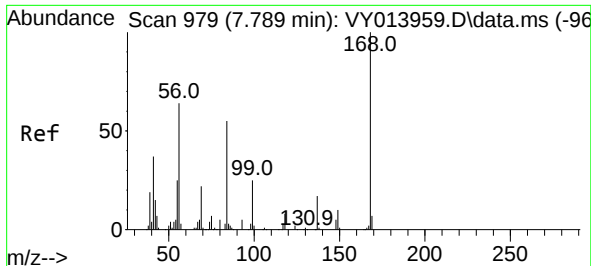
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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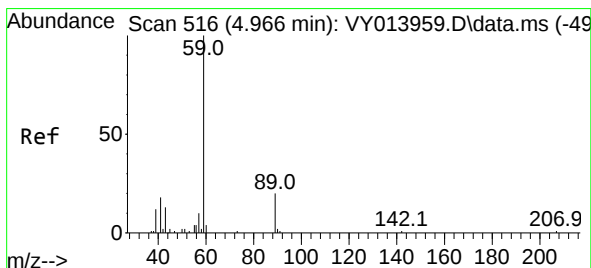
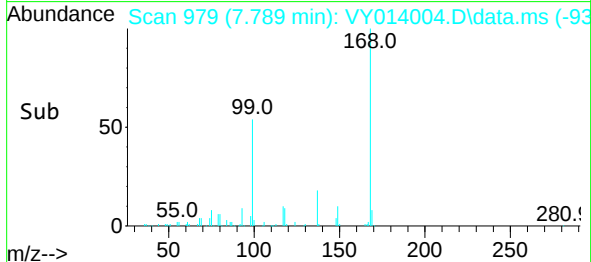
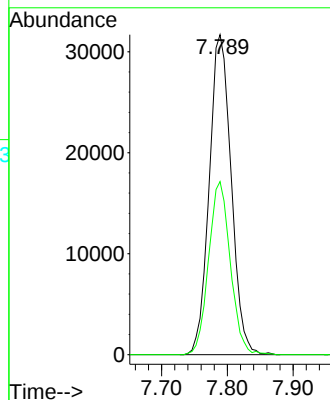
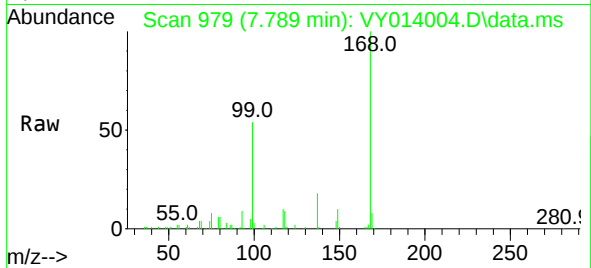




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014004.D
Acq: 05 Jun 2023 13:59

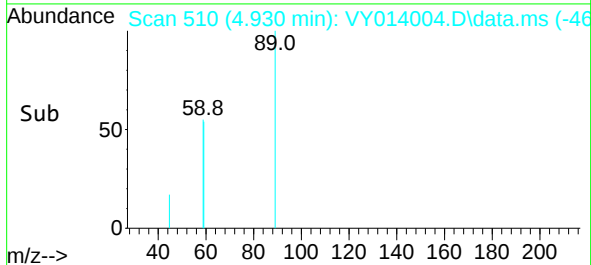
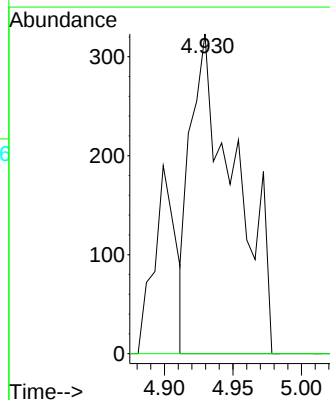
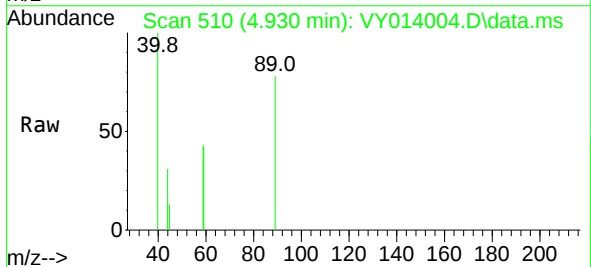
Instrument :
MSVOA_Y
ClientSampleId :
SB05BRE

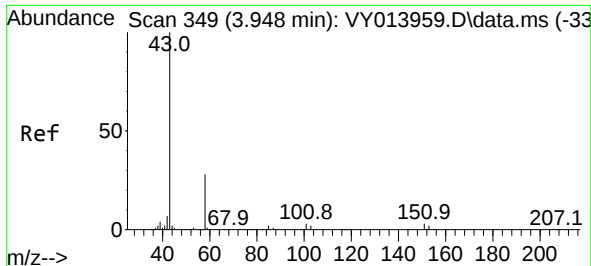
Tgt Ion:168 Resp: 73648
Ion Ratio Lower Upper
168 100
99 54.1 43.4 65.0



#11
Tert butyl alcohol
Concen: 3.633 ug/l
RT: 4.930 min Scan# 510
Delta R.T. -0.036 min
Lab File: VY014004.D
Acq: 05 Jun 2023 13:59

Tgt Ion: 59 Resp: 728
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

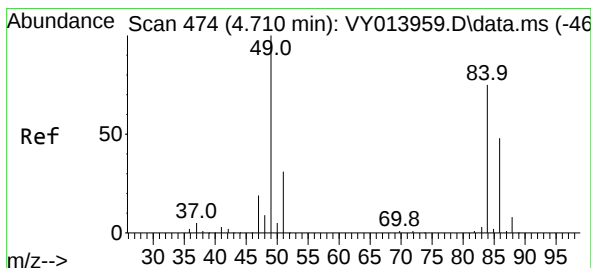
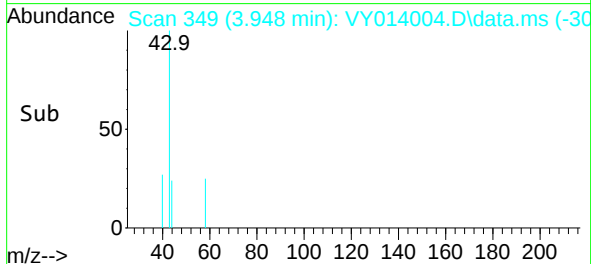
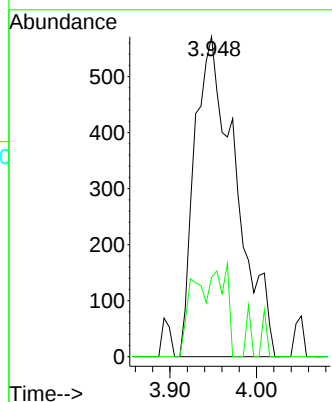
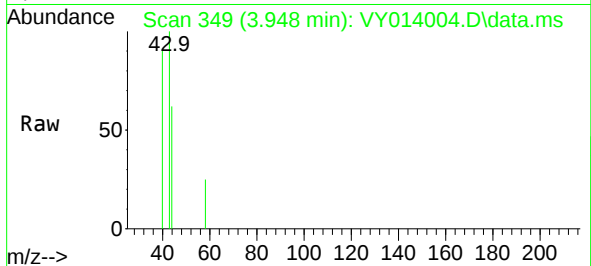




#16
Acetone
Concen: 5.645 ug/l
RT: 3.948 min Scan# 349
Delta R.T. -0.000 min
Lab File: VY014004.D
Acq: 05 Jun 2023 13:59

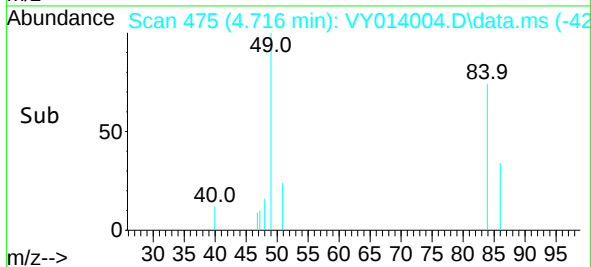
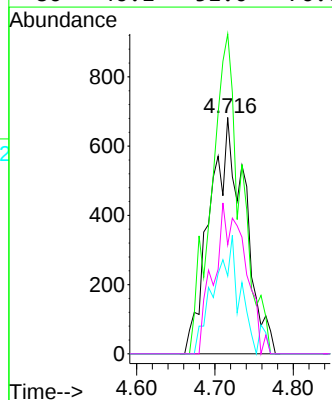
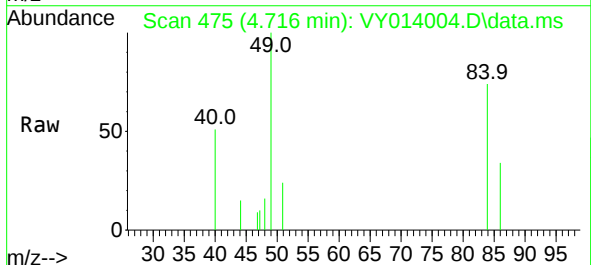
Instrument :
MSVOA_Y
ClientSampleId :
SB05BRE

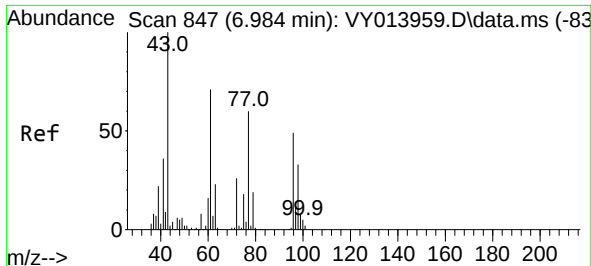
Tgt Ion: 43 Resp: 1883
Ion Ratio Lower Upper
43 100
58 24.9 22.7 34.1



#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY014004.D
Acq: 05 Jun 2023 13:59

Tgt Ion: 84 Resp: 2148
Ion Ratio Lower Upper
84 100
49 135.3 106.9 160.3
51 32.9 33.2 49.8#
86 46.1 51.0 76.6#

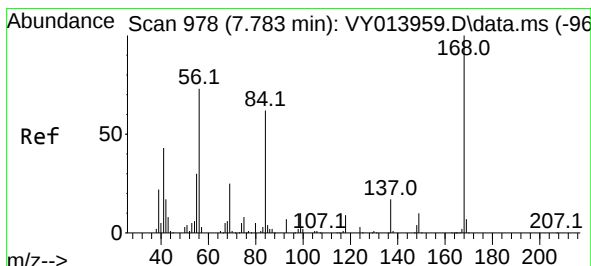
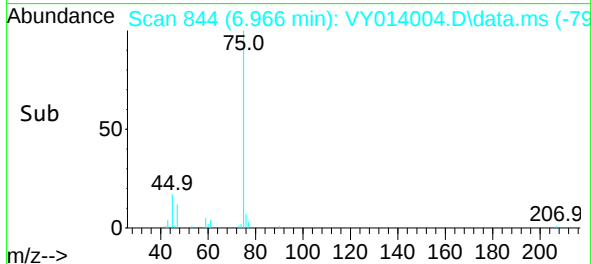
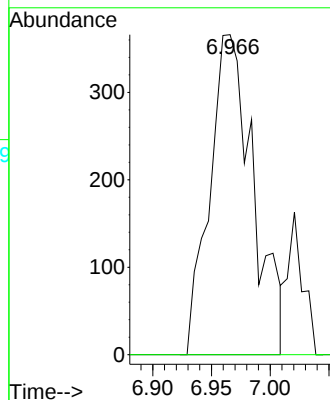
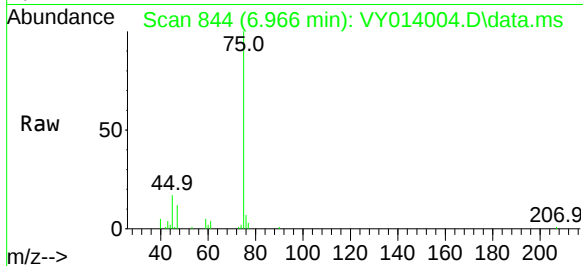




#25
2-Butanone
Concen: 2.277 ug/l
RT: 6.966 min Scan# 84
Delta R.T. -0.019 min
Lab File: VY014004.D
Acq: 05 Jun 2023 13:59

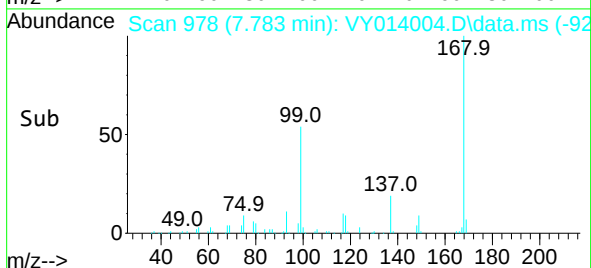
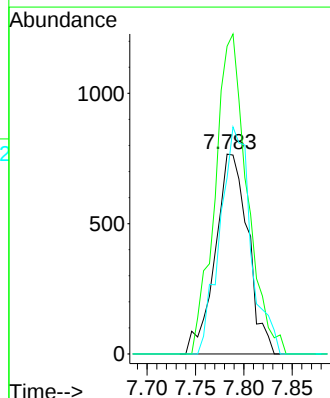
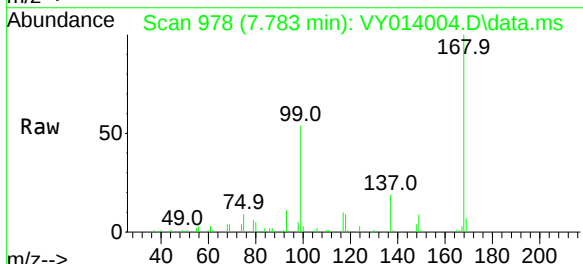
Instrument :
MSVOA_Y
ClientSampleId :
SB05BRE

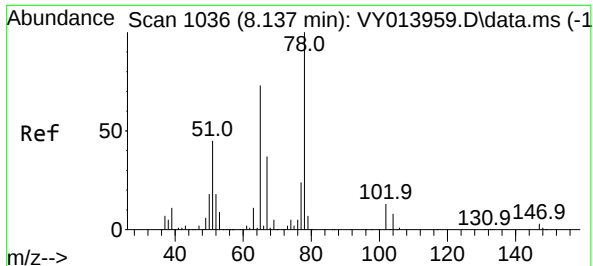
Tgt Ion: 43 Resp: 946
Ion Ratio Lower Upper
43 100
72 0.0 20.5 30.7#



#31
Cyclohexane
Concen: 1.534 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.000 min
Lab File: VY014004.D
Acq: 05 Jun 2023 13:59

Tgt Ion: 56 Resp: 1801
Ion Ratio Lower Upper
56 100
69 154.0 27.8 41.6#
84 88.1 66.4 99.6





#33

1,2-Dichloroethane-d4

Concen: 28.843 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. 0.006 min

Lab File: VY014004.D

Acq: 05 Jun 2023 13:59

Instrument :

MSVOA_Y

ClientSampleId :

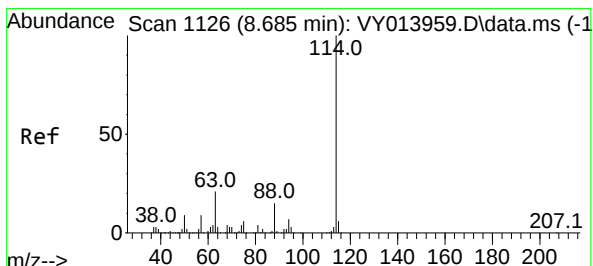
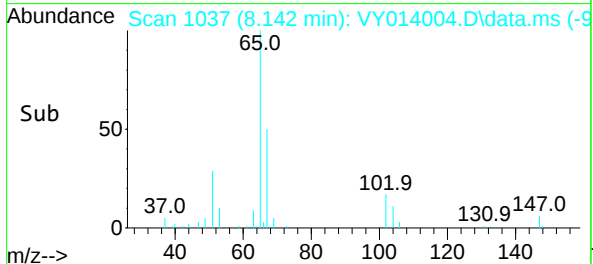
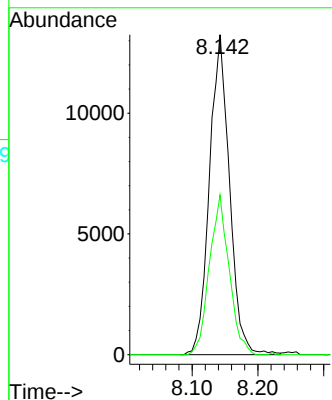
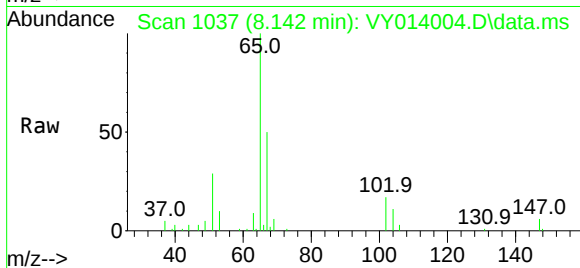
SB05BRE

Tgt Ion: 65 Resp: 28120

Ion Ratio Lower Upper

65 100

67 49.1 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY014004.D

Acq: 05 Jun 2023 13:59

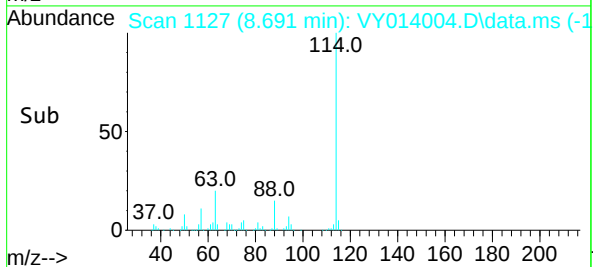
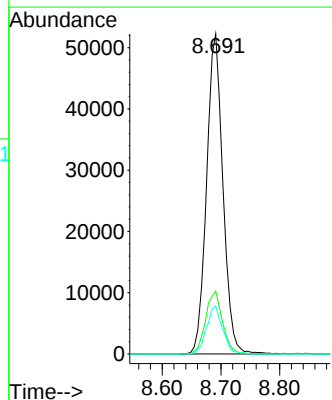
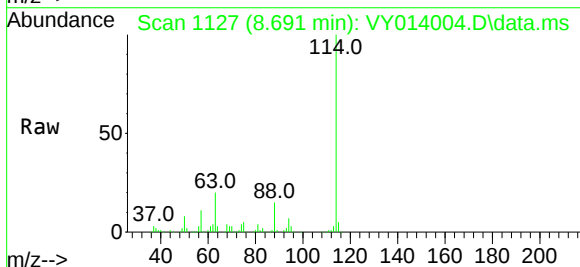
Tgt Ion: 114 Resp: 100828

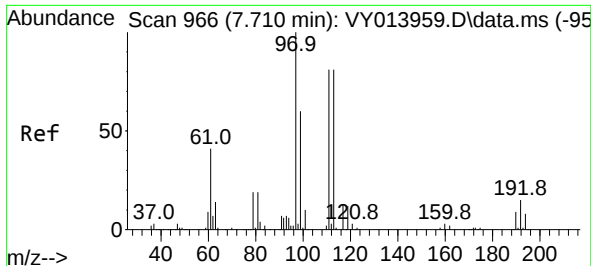
Ion Ratio Lower Upper

114 100

63 19.6 0.0 42.4

88 15.0 0.0 30.6

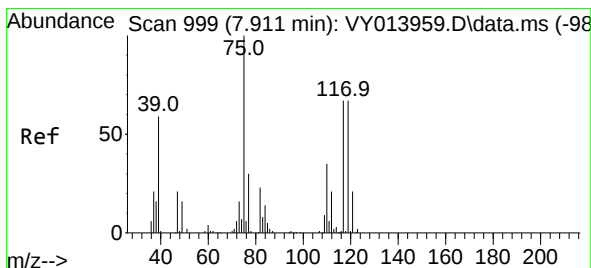
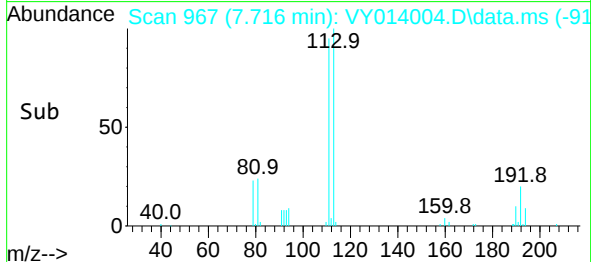
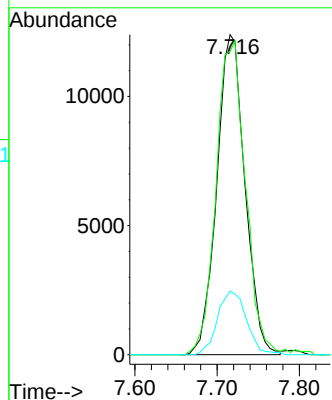
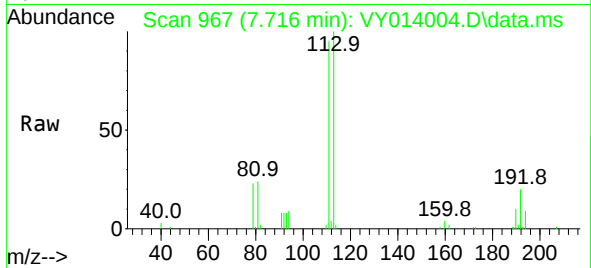




#35
Dibromofluoromethane
Concen: 46.076 ug/l
RT: 7.716 min Scan# 90
Delta R.T. 0.006 min
Lab File: VY014004.D
Acq: 05 Jun 2023 13:59

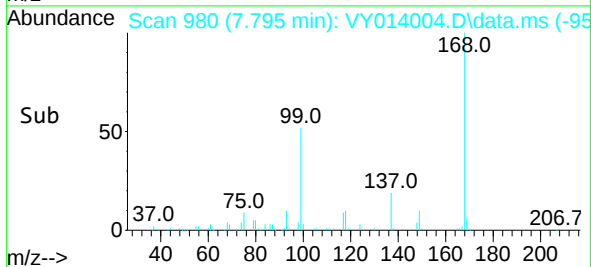
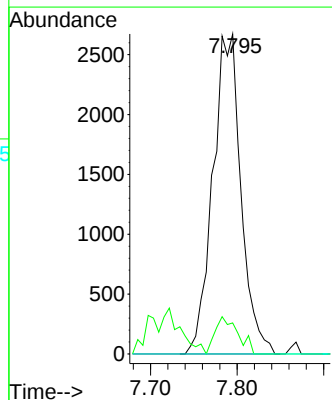
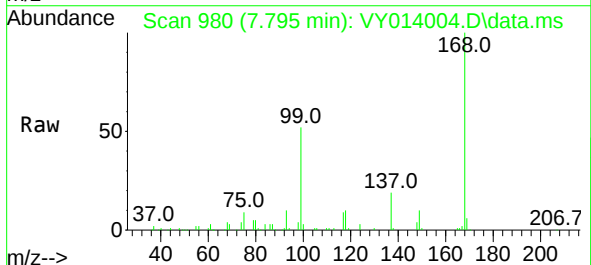
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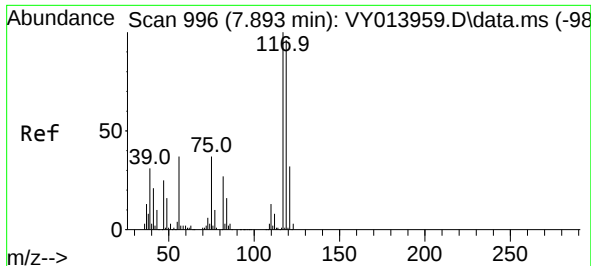
Tgt Ion:113 Resp: 29524
Ion Ratio Lower Upper
113 100
111 101.9 81.3 121.9
192 20.4 16.9 25.3



#36
1,1-Dichloropropene
Concen: 6.609 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.116 min
Lab File: VY014004.D
Acq: 05 Jun 2023 13:59

Tgt Ion: 75 Resp: 6033
Ion Ratio Lower Upper
75 100
110 9.4 17.8 53.5#
77 0.0 24.4 36.6#

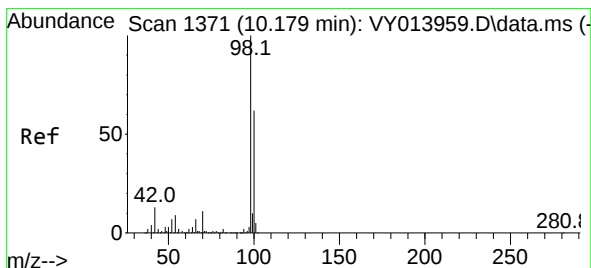
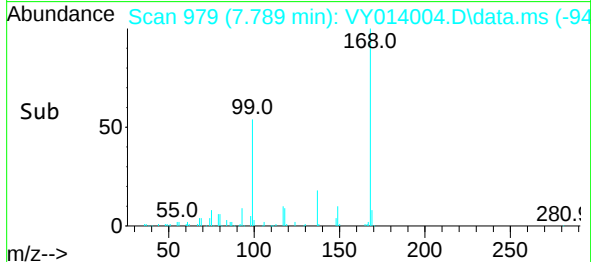
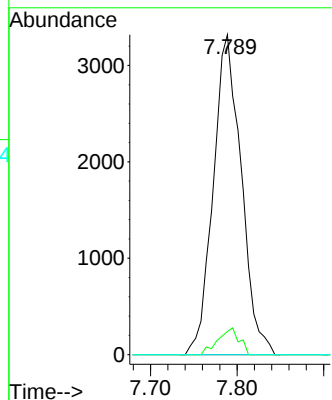
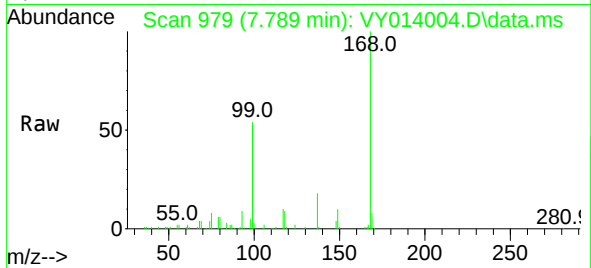




#38
Carbon Tetrachloride
Concen: 7.281 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY014004.D
Acq: 05 Jun 2023 13:59

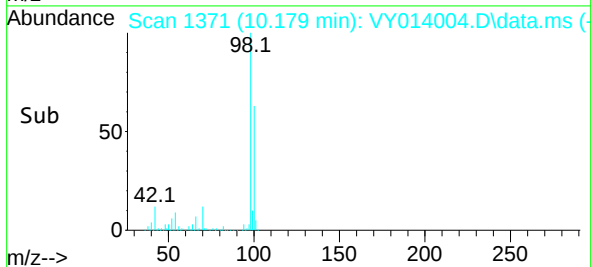
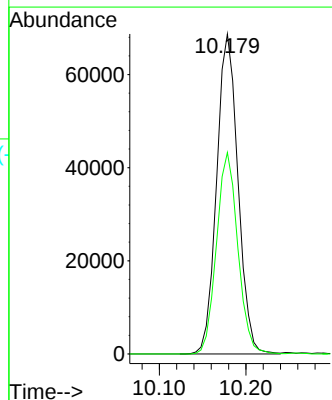
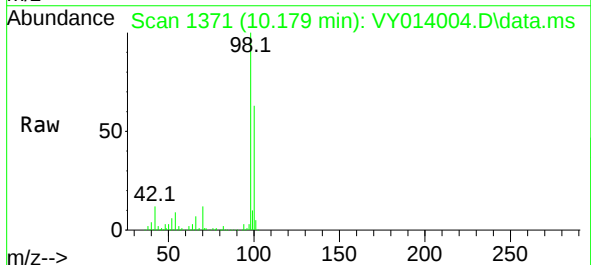
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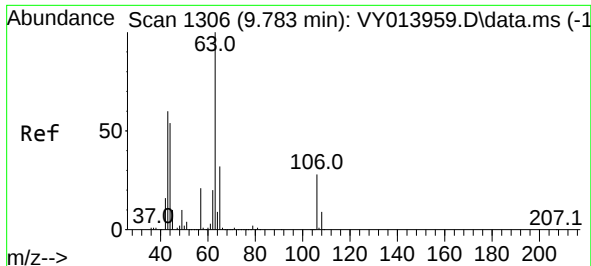
Tgt Ion:117 Resp: 7448
Ion Ratio Lower Upper
117 100
119 7.2 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 48.087 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY014004.D
Acq: 05 Jun 2023 13:59

Tgt Ion: 98 Resp: 117534
Ion Ratio Lower Upper
98 100
100 62.9 50.1 75.1

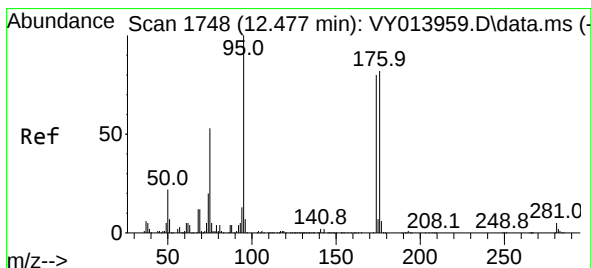
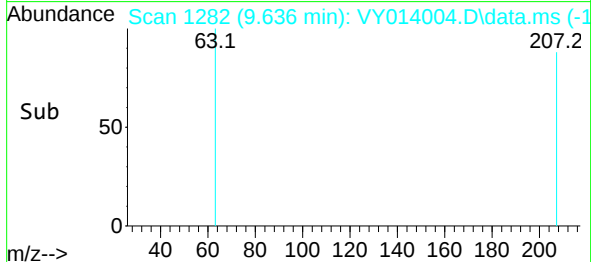
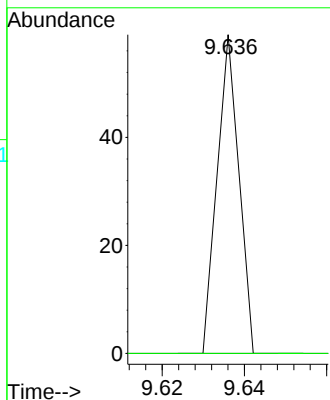
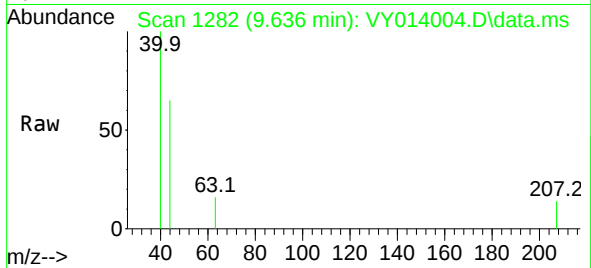




#58
2-Chloroethyl Vinyl ether
Concen: 23.152 ug/l
RT: 9.636 min Scan# 11
Delta R.T. -0.147 min
Lab File: VY014004.D
Acq: 05 Jun 2023 13:59

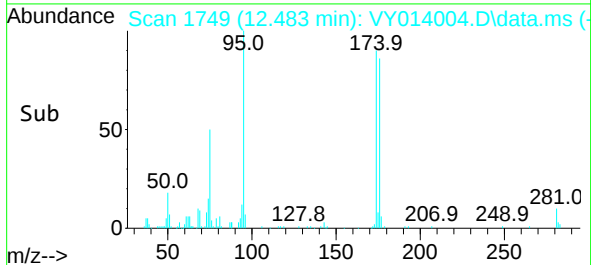
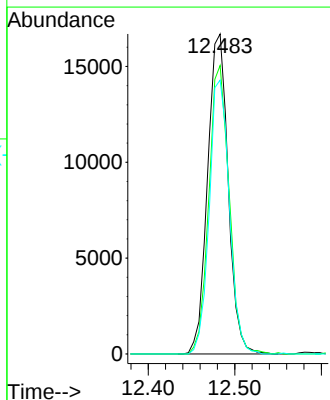
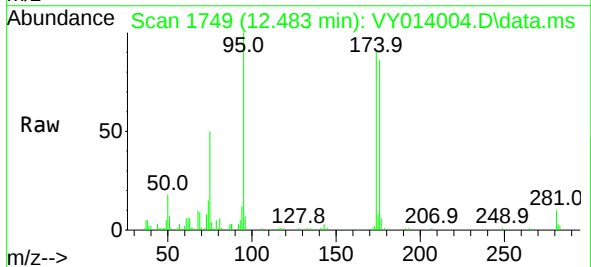
Instrument :
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ClientSampleId :
SB05BRE

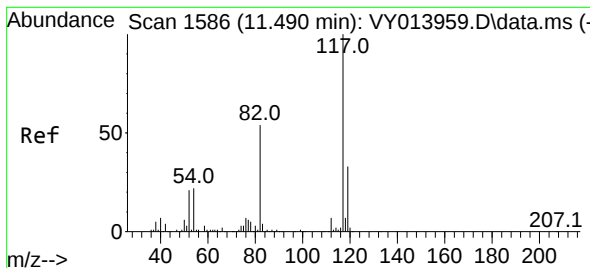
Tgt Ion: 63 Resp: 22
Ion Ratio Lower Upper
63 100
106 0.0 21.2 31.8#



#62
4-Bromofluorobenzene
Concen: 33.021 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY014004.D
Acq: 05 Jun 2023 13:59

Tgt Ion: 95 Resp: 27515
Ion Ratio Lower Upper
95 100
174 88.9 0.0 178.2
176 83.7 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY014004.D

Acq: 05 Jun 2023 13:59

Instrument :

MSVOA_Y

ClientSampleId :

SB05BRE

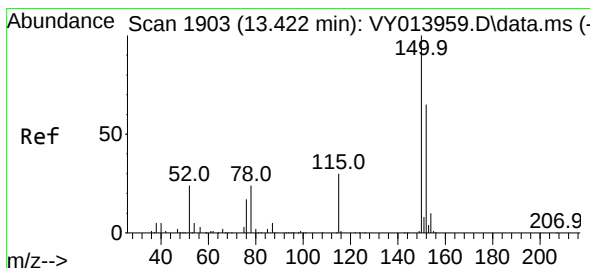
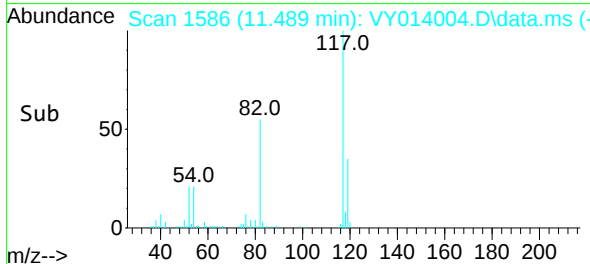
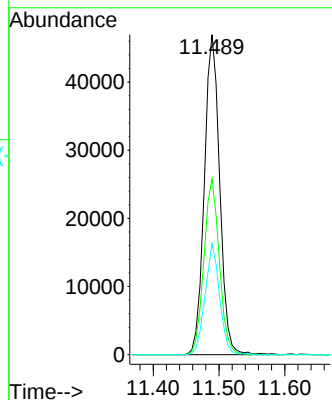
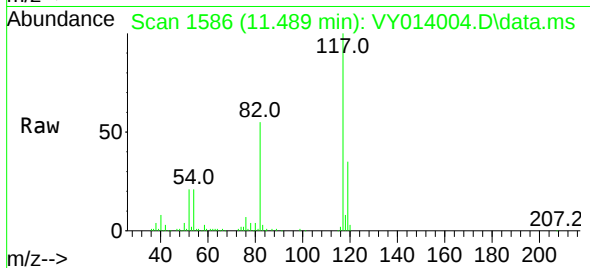
Tgt Ion:117 Resp: 76287

Ion Ratio Lower Upper

117 100

82 54.9 43.4 65.0

119 34.7 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.000 min

Lab File: VY014004.D

Acq: 05 Jun 2023 13:59

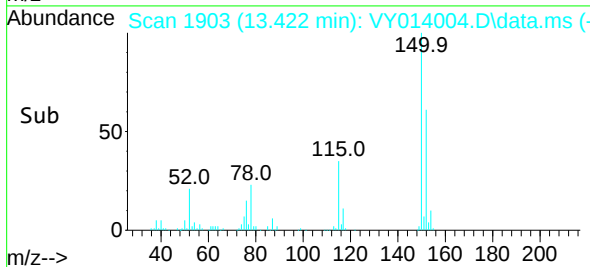
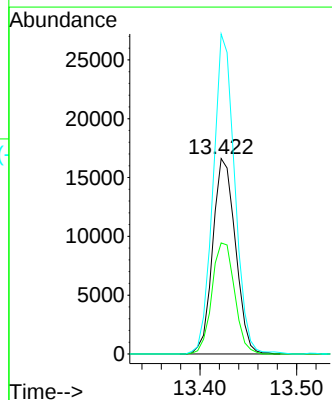
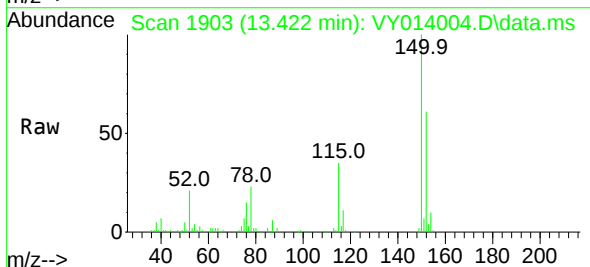
Tgt Ion:152 Resp: 27114

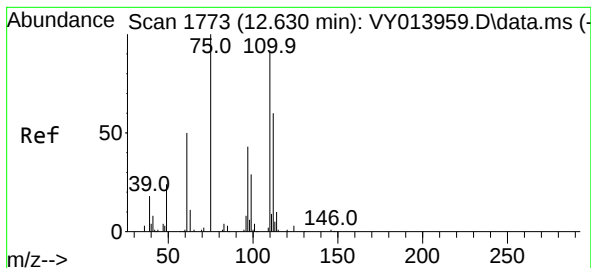
Ion Ratio Lower Upper

152 100

115 56.8 28.8 86.5

150 155.9 0.0 348.8

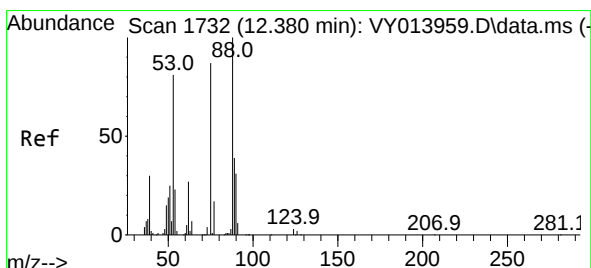
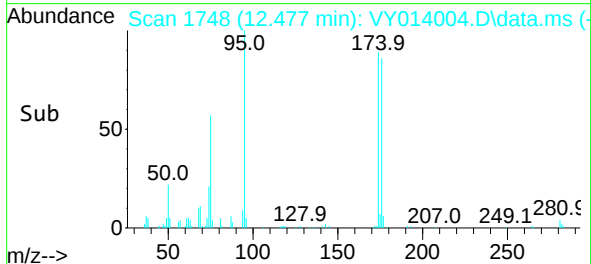
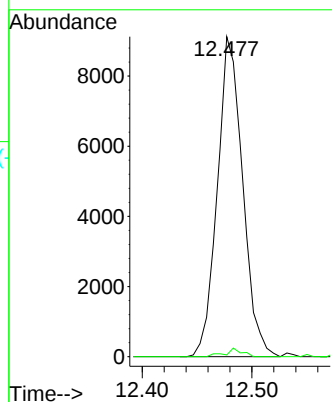
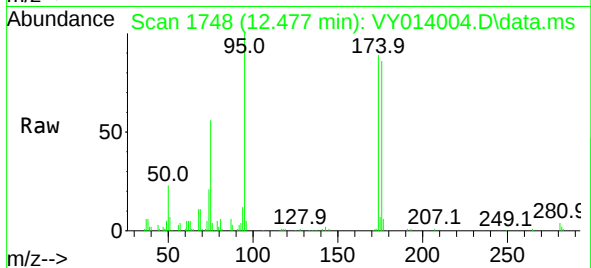




#76
1,2,3-Trichloropropane
Concen: 40.099 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY014004.D
Acq: 05 Jun 2023 13:59

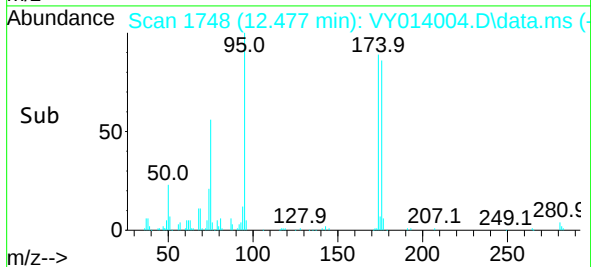
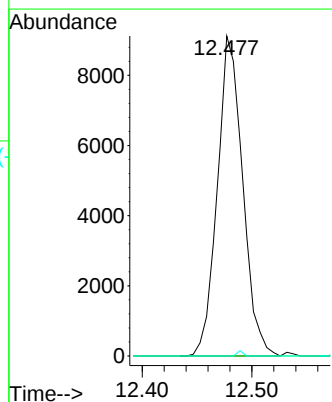
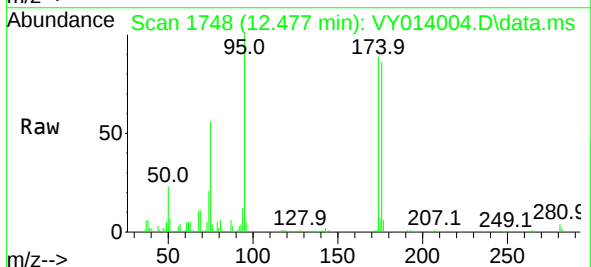
Instrument :
MSVOA_Y
ClientSampleId :
SB05BRE

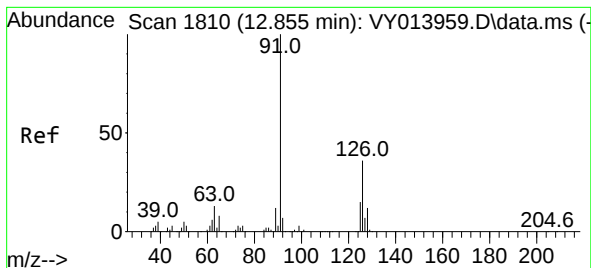
Tgt Ion: 75 Resp: 14631
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 85.071 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.097 min
Lab File: VY014004.D
Acq: 05 Jun 2023 13:59

Tgt Ion: 75 Resp: 14631
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.4 37.4 56.0#

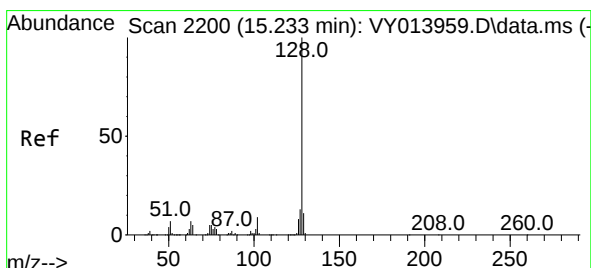
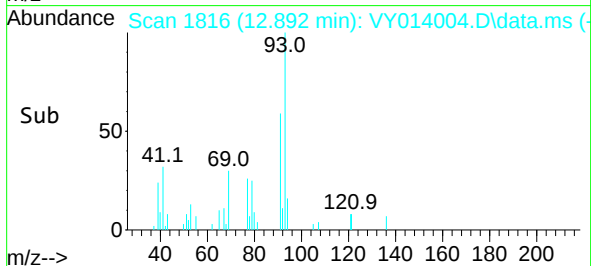
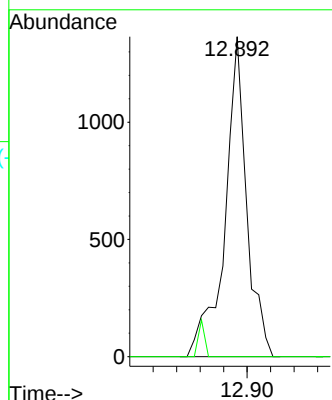
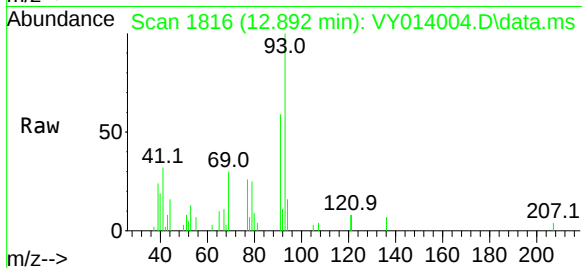




#82
4-Chlorotoluene
Concen: 1.289 ug/l
RT: 12.892 min Scan# 11
Delta R.T. 0.036 min
Lab File: VY014004.D
Acq: 05 Jun 2023 13:59

Instrument :
MSVOA_Y
ClientSampleId :
SB05BRE

Tgt Ion: 91 Resp: 1760
Ion Ratio Lower Upper
91 100
126 0.0 17.2 51.6#



#95
Naphthalene
Concen: 4.164 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.000 min
Lab File: VY014004.D
Acq: 05 Jun 2023 13:59

Tgt Ion: 128 Resp: 389
Ion Ratio Lower Upper
128 100
127 0.0 10.8 16.2#
129 0.0 8.6 13.0#

