

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052623\
 Data File : VY013897.D
 Acq On : 26 May 2023 16:47
 Operator : KP/MD
 Sample : 02945-01
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB20

Quant Time: May 29 04:34:20 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052323S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 24 05:25:47 2023
 Response via : Initial Calibration

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

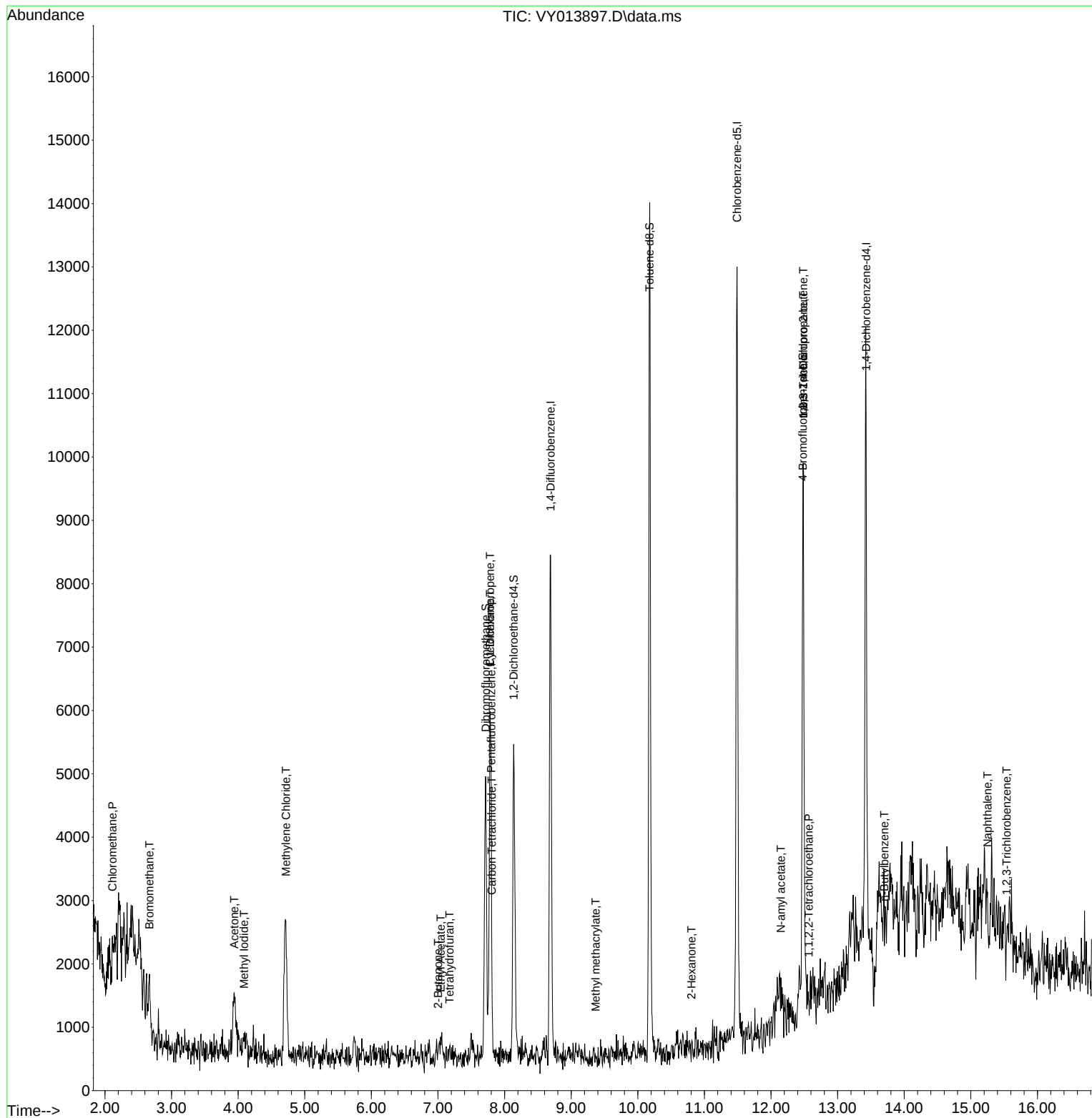
Internal Standards						
1) Pentafluorobenzene	7.801	168	4717	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.691	114	7279	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	7055	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	2366	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	3983	72.987	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 145.980%	
35) Dibromofluoromethane	7.716	113	3069	65.287	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 130.580%	
50) Toluene-d8	10.179	98	9478	53.050	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 106.100%	
62) 4-Bromofluorobenzene	12.477	95	3030	51.021	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 102.040%	
Target Compounds						
						Qvalue
3) Chloromethane	2.113	50	499	9.480	ug/l	# 77
5) Bromomethane	2.668	94	361	8.439	ug/l	100
10) Methyl Iodide	4.088	142	853	14.630	ug/l	# 52
16) Acetone	3.942	43	2356	145.462	ug/l	91
20) Methylene Chloride	4.716	84	1622	27.080	ug/l	# 68
25) 2-Butanone	7.002	43	265	13.408	ug/l	# 49
29) Tetrahydrofuran	7.173	42	41	3.475	ug/l	# 36
31) Cyclohexane	7.783	56	121	1.443	ug/l	# 71
36) 1,1-Dichloropropene	7.783	75	400	5.587	ug/l	# 42
37) Ethyl Acetate	7.039	43	169	3.870	ug/l	# 71
38) Carbon Tetrachloride	7.807	117	539	6.620	ug/l	# 13
48) Methyl methacrylate	9.368	41	55	1.472	ug/l	# 46
59) 2-Hexanone	10.807	43	61	2.022	ug/l	# 28
74) N-amyl acetate	12.148	43	95	1.794	ug/l	# 1
75) 1,1,2,2-Tetrachloroethane	12.569	83	42	1.152	ug/l	# 26
76) 1,2,3-Trichloropropane	12.483	75	1363	48.856	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	1363	106.051	ug/l	# 10
89) n-Butylbenzene	13.702	91	176	1.181	ug/l	# 34
95) Naphthalene	15.251	128	693	10.787	ug/l	# 77
96) 1,2,3-Trichlorobenzene	15.538	180	44	1.076	ug/l	# 12

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

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Quant Title : SW846 8260
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Response via : Initial Calibration

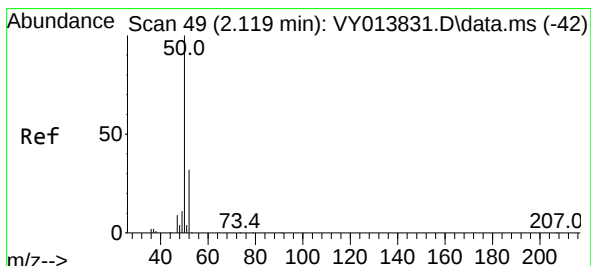
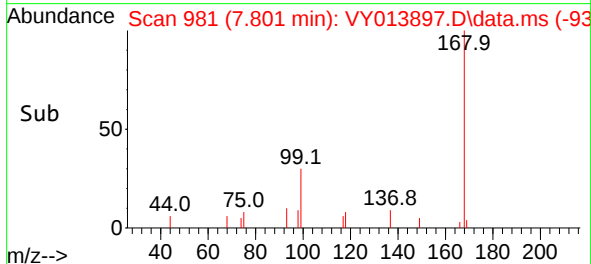
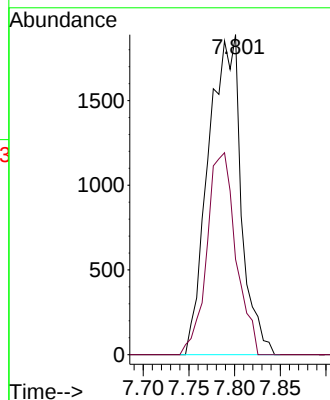
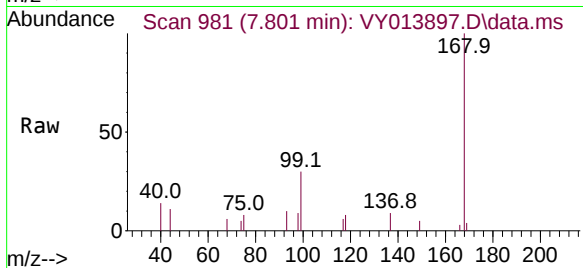




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 99
Delta R.T. 0.006 min
Lab File: VY013897.D
Acq: 26 May 2023 16:47

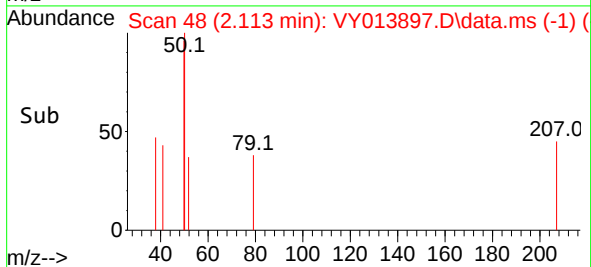
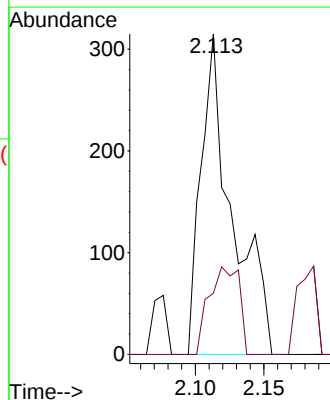
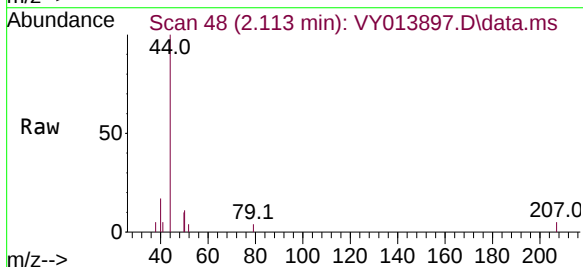
Instrument :
MSVOA_Y
ClientSampleId :
SB20

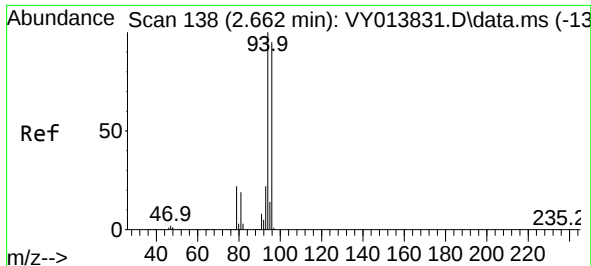
Tgt Ion:168 Resp: 4717
Ion Ratio Lower Upper
168 100
99 29.8 43.4 65.2#



#3
Chloromethane
Concen: 9.480 ug/l
RT: 2.113 min Scan# 48
Delta R.T. -0.006 min
Lab File: VY013897.D
Acq: 26 May 2023 16:47

Tgt Ion: 50 Resp: 499
Ion Ratio Lower Upper
50 100
52 19.0 25.7 38.5#

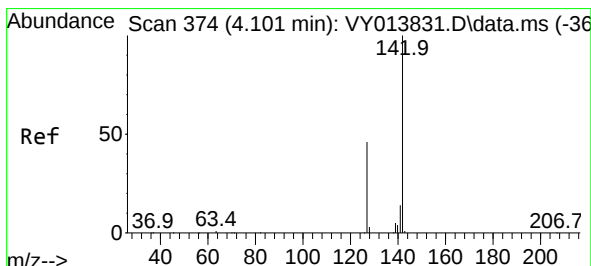
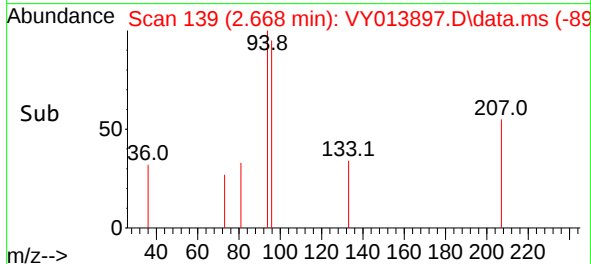
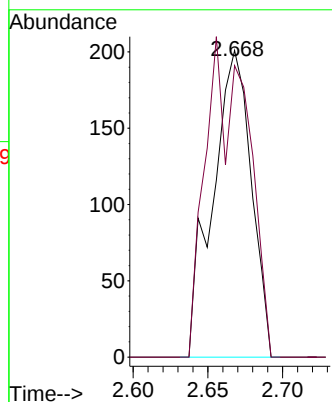
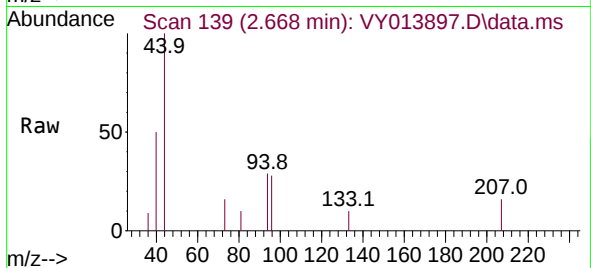




#5
Bromomethane
Concen: 8.439 ug/l
RT: 2.668 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY013897.D
Acq: 26 May 2023 16:47

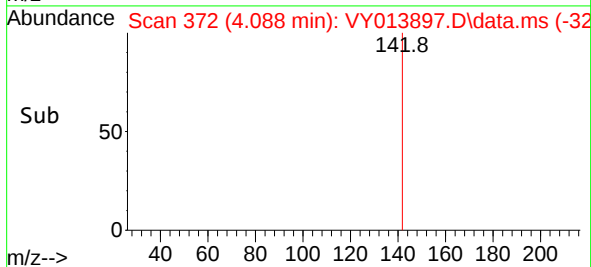
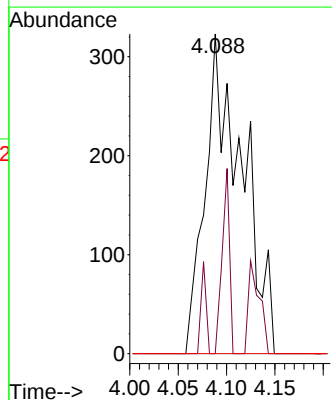
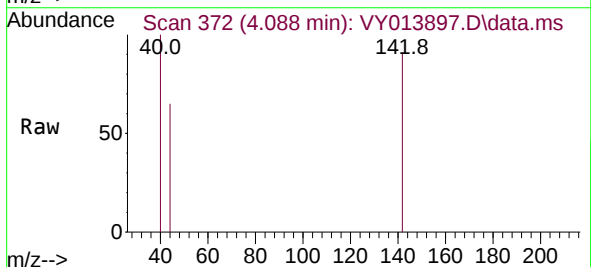
Instrument :
MSVOA_Y
ClientSampleId :
SB20

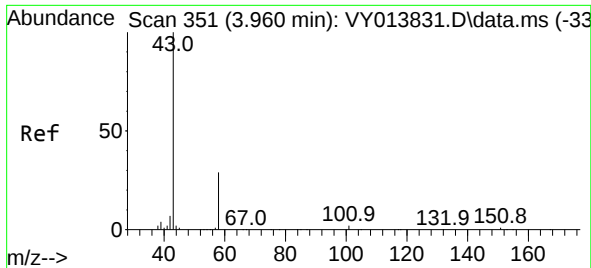
Tgt Ion: 94 Resp: 361
Ion Ratio Lower Upper
94 100
96 95.0 76.2 114.2



#10
Methyl Iodide
Concen: 14.630 ug/l
RT: 4.088 min Scan# 372
Delta R.T. -0.012 min
Lab File: VY013897.D
Acq: 26 May 2023 16:47

Tgt Ion:142 Resp: 853
Ion Ratio Lower Upper
142 100
127 11.6 37.0 55.4#
141 0.0 11.8 17.6#

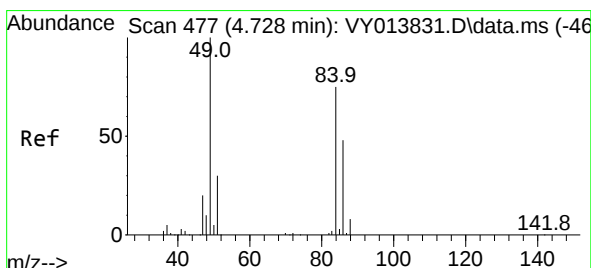
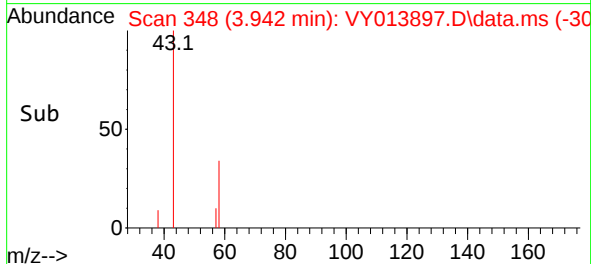
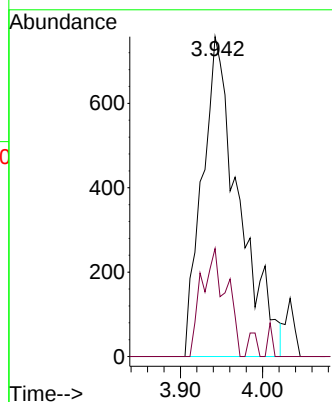
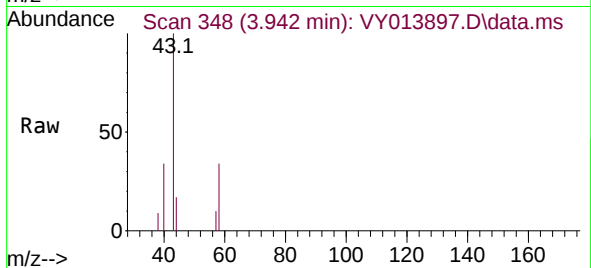




#16
Acetone
Concen: 145.462 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.018 min
Lab File: VY013897.D
Acq: 26 May 2023 16:47

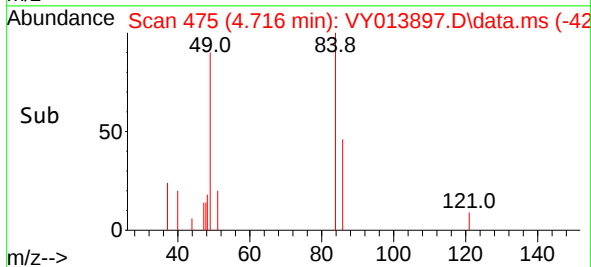
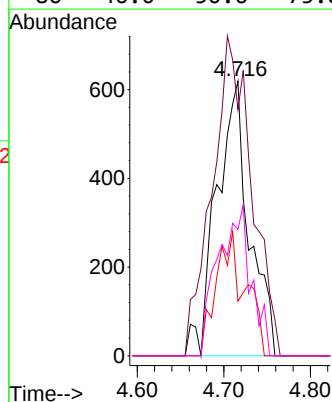
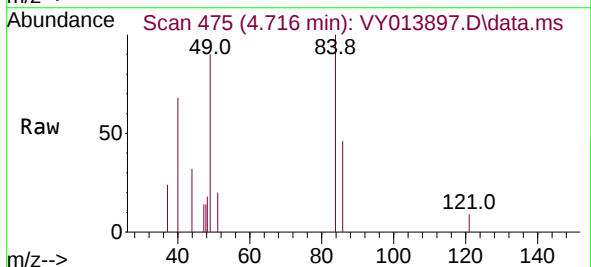
Instrument :
MSVOA_Y
ClientSampleId :
SB20

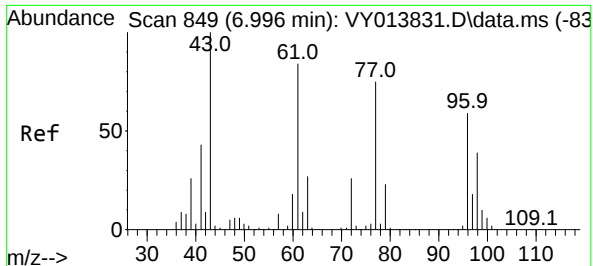
Tgt Ion: 43 Resp: 2356
Ion Ratio Lower Upper
43 100
58 33.8 23.3 34.9



#20
Methylene Chloride
Concen: 27.080 ug/l
RT: 4.716 min Scan# 475
Delta R.T. -0.012 min
Lab File: VY013897.D
Acq: 26 May 2023 16:47

Tgt Ion: 84 Resp: 1622
Ion Ratio Lower Upper
84 100
49 89.7 106.2 159.2#
51 19.9 31.4 47.0#
86 46.0 50.6 75.8#





#25

2-Butanone

Concen: 13.408 ug/l

RT: 7.002 min Scan# 8

Delta R.T. 0.006 min

Lab File: VY013897.D

Acq: 26 May 2023 16:47

Instrument :

MSVOA_Y

ClientSampleId :

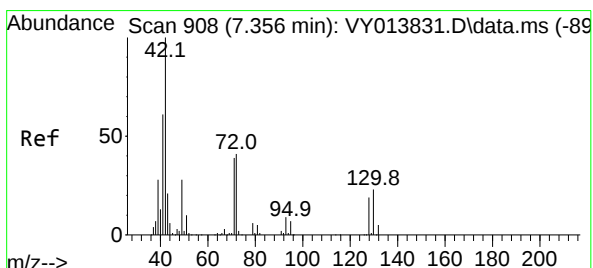
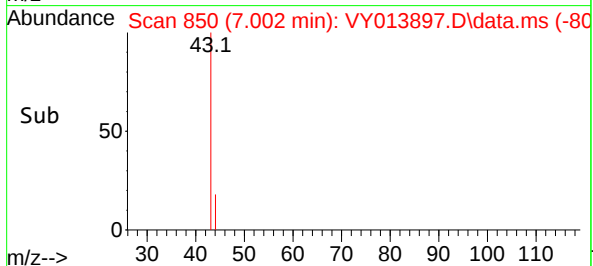
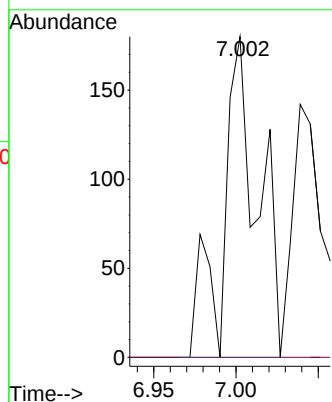
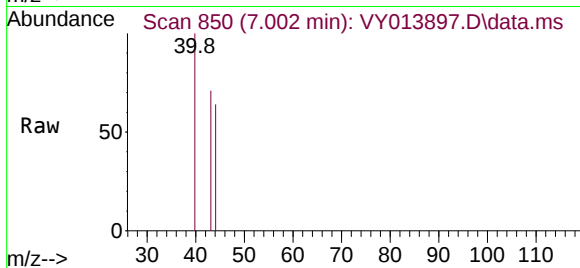
SB20

Tgt Ion: 43 Resp: 265

Ion Ratio Lower Upper

43 100

72 0.0 20.5 30.7#



#29

Tetrahydrofuran

Concen: 3.475 ug/l

RT: 7.173 min Scan# 878

Delta R.T. -0.183 min

Lab File: VY013897.D

Acq: 26 May 2023 16:47

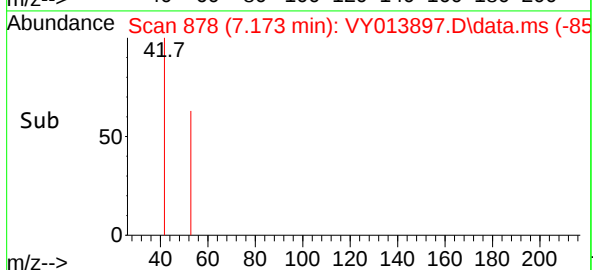
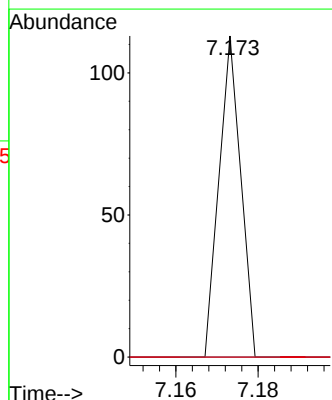
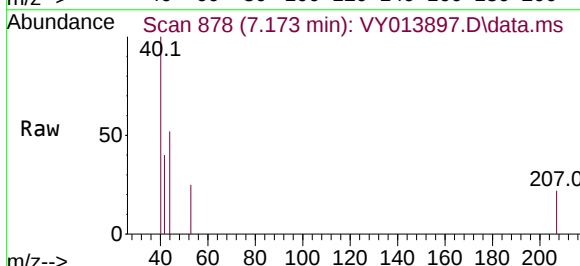
Tgt Ion: 42 Resp: 41

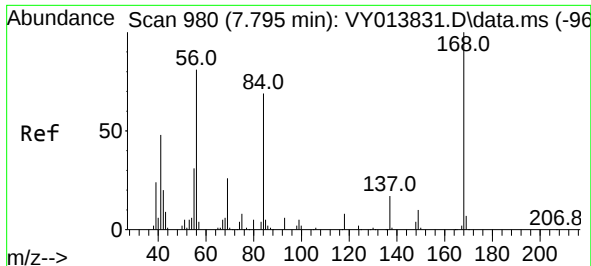
Ion Ratio Lower Upper

42 100

72 0.0 31.7 47.5#

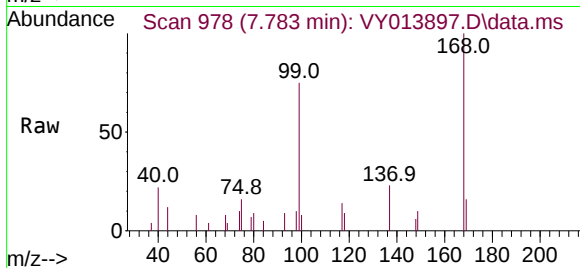
71 0.0 30.6 45.8#



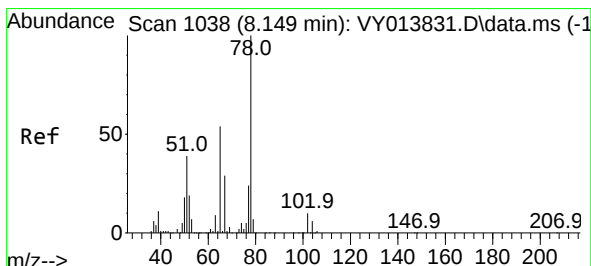
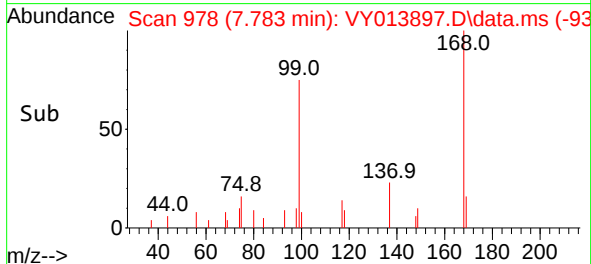
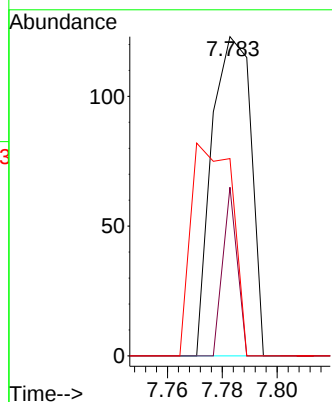


#31
Cyclohexane
Concen: 1.443 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY013897.D
Acq: 26 May 2023 16:47

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ClientSampleId :
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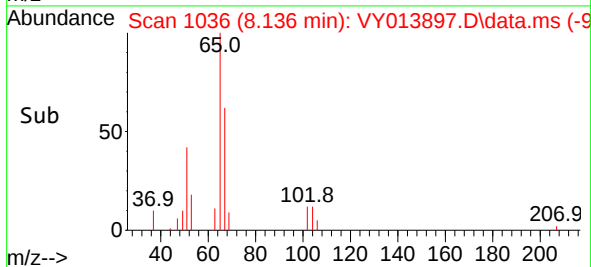
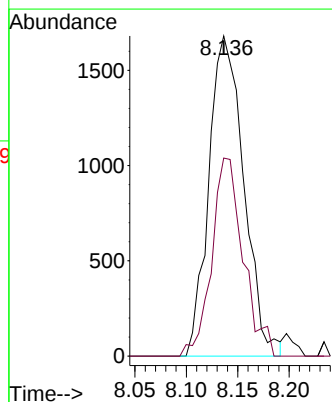
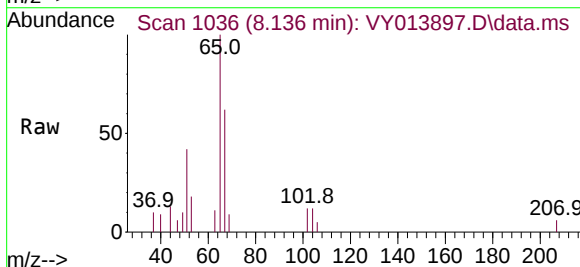


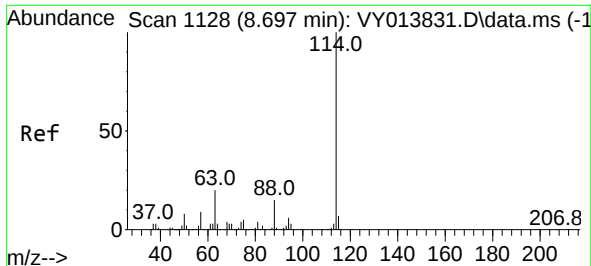
Tgt Ion: 56 Resp: 121
Ion Ratio Lower Upper
56 100
69 52.8 25.8 38.8#
84 61.8 68.2 102.2#



#33
1,2-Dichloroethane-d4
Concen: 72.987 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.012 min
Lab File: VY013897.D
Acq: 26 May 2023 16:47

Tgt Ion: 65 Resp: 3983
Ion Ratio Lower Upper
65 100
67 55.3 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1128

Delta R.T. -0.006 min

Lab File: VY013897.D

Acq: 26 May 2023 16:47

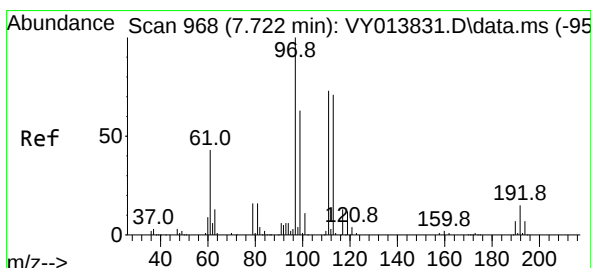
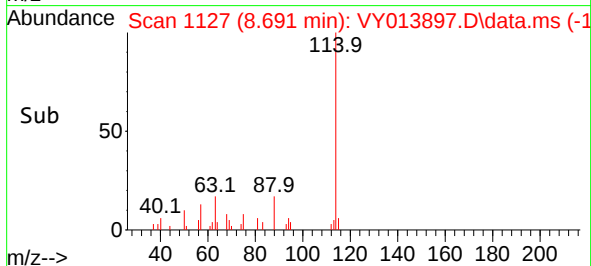
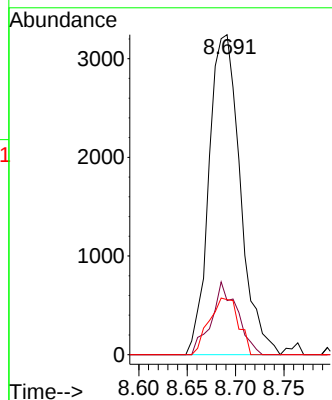
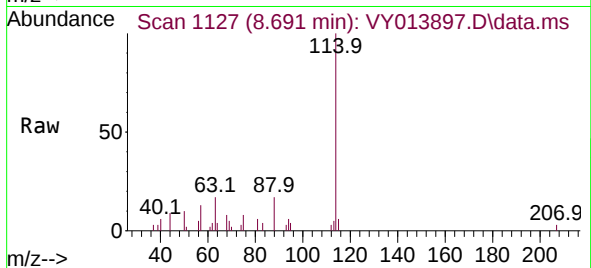
Instrument :

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Tgt Ion:114	Resp:	7279
Ion	Ratio	Lower Upper
114	100	
63	16.9	0.0 40.2
88	17.2	0.0 30.0



#35

Dibromofluoromethane

Concen: 65.287 ug/l

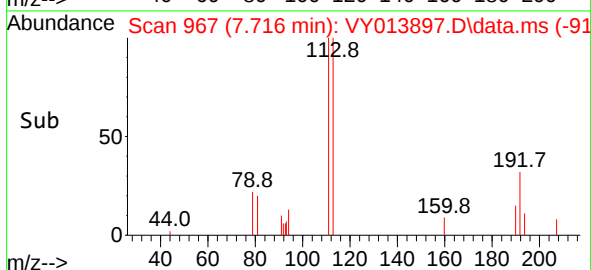
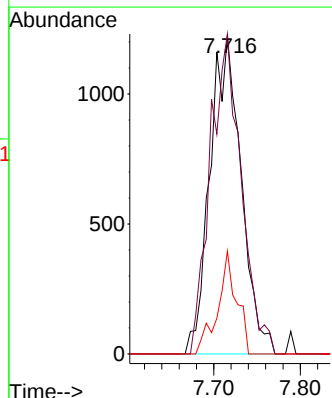
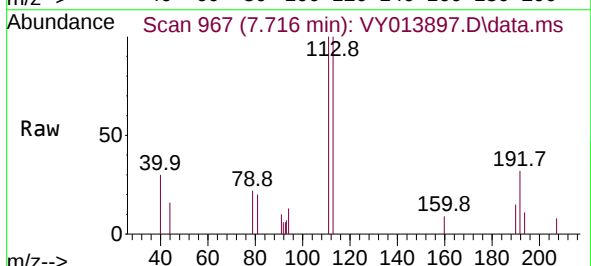
RT: 7.716 min Scan# 967

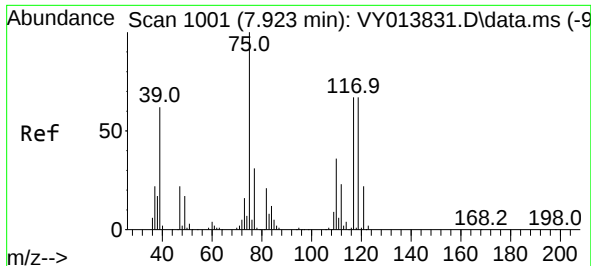
Delta R.T. -0.006 min

Lab File: VY013897.D

Acq: 26 May 2023 16:47

Tgt Ion:113	Resp:	3069
Ion	Ratio	Lower Upper
113	100	
111	99.5	80.4 120.6
192	19.5	16.6 25.0

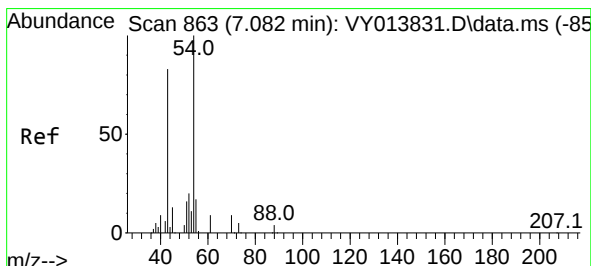
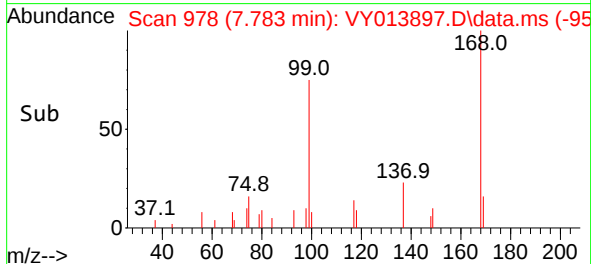
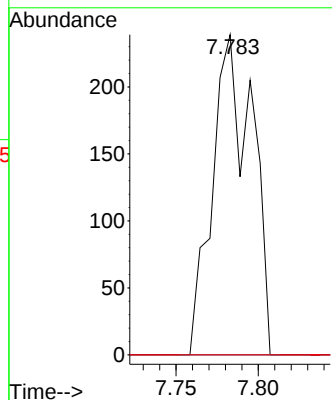
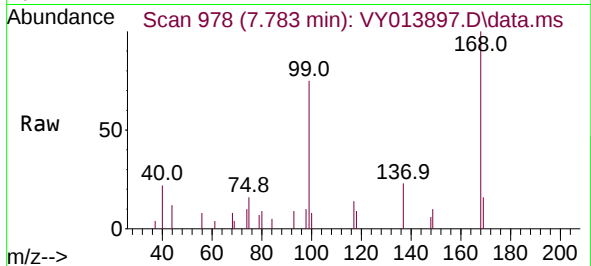




#36
1,1-Dichloropropene
Concen: 5.587 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.140 min
Lab File: VY013897.D
Acq: 26 May 2023 16:47

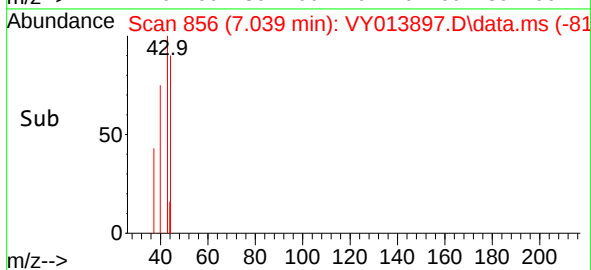
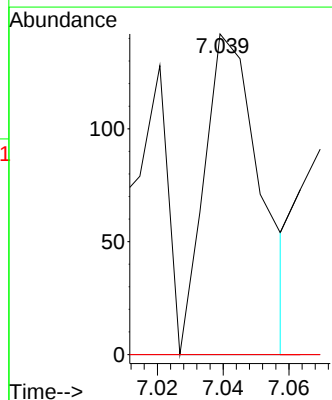
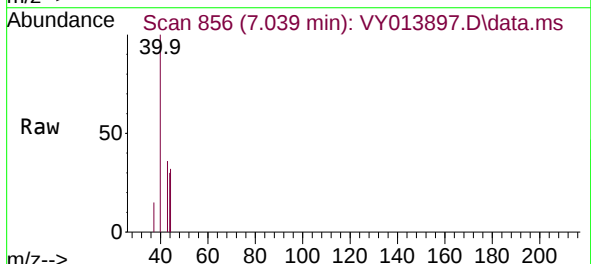
Instrument :
MSVOA_Y
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SB20

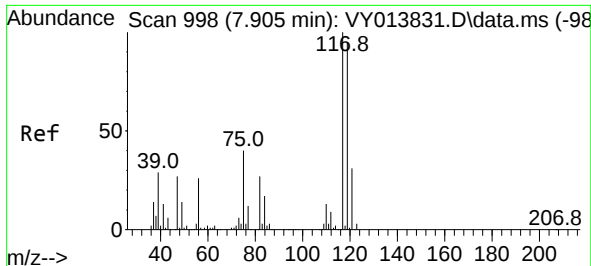
Tgt Ion: 75 Resp: 400
Ion Ratio Lower Upper
75 100
110 0.0 17.5 52.6#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 3.870 ug/l
RT: 7.039 min Scan# 856
Delta R.T. -0.043 min
Lab File: VY013897.D
Acq: 26 May 2023 16:47

Tgt Ion: 43 Resp: 169
Ion Ratio Lower Upper
43 100
61 0.0 10.5 15.7#
70 0.0 6.9 10.3#

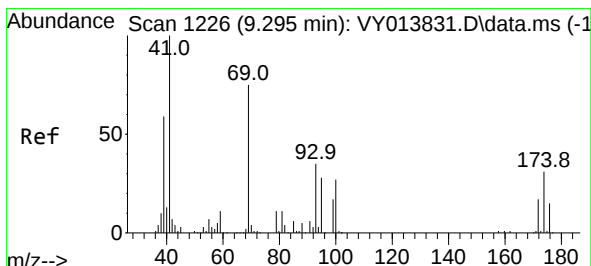
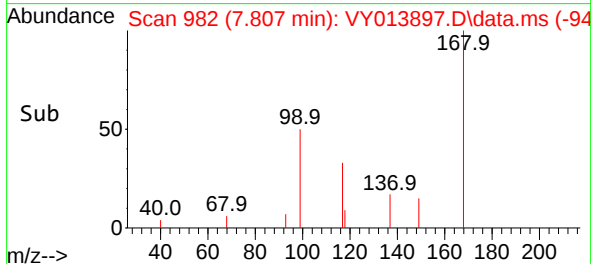
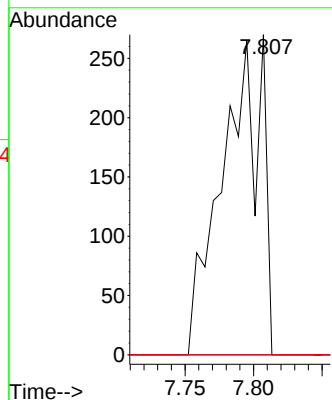
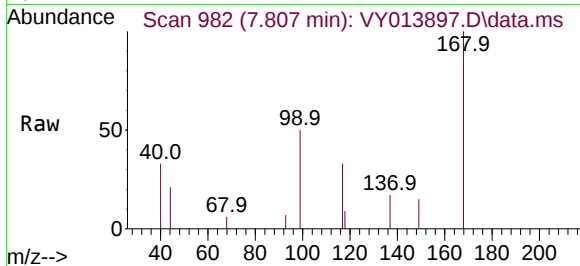




#38
Carbon Tetrachloride
Concen: 6.620 ug/l
RT: 7.807 min Scan# 91
Delta R.T. -0.098 min
Lab File: VY013897.D
Acq: 26 May 2023 16:47

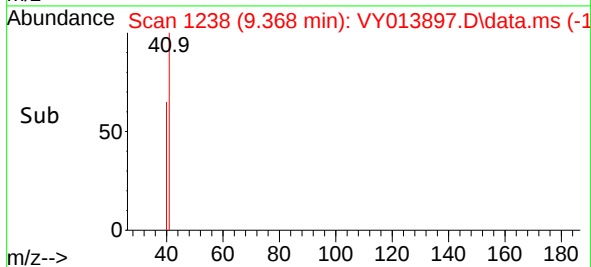
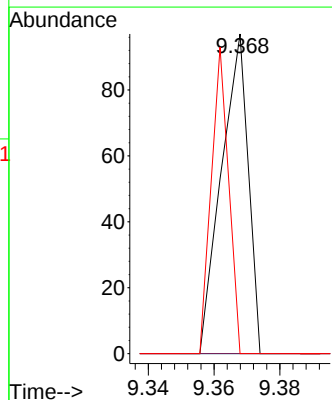
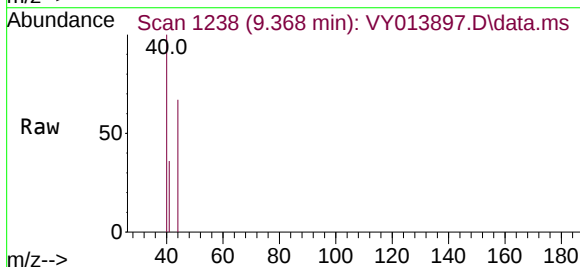
Instrument :
MSVOA_Y
ClientSampleId :
SB20

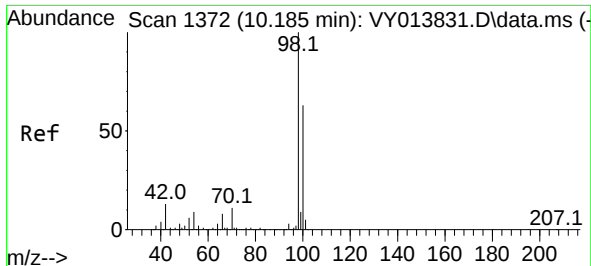
Tgt Ion:117 Resp: 539
Ion Ratio Lower Upper
117 100
119 0.0 75.6 113.4#
121 0.0 24.8 37.2#



#48
Methyl methacrylate
Concen: 1.472 ug/l
RT: 9.368 min Scan# 1238
Delta R.T. 0.073 min
Lab File: VY013897.D
Acq: 26 May 2023 16:47

Tgt Ion: 41 Resp: 55
Ion Ratio Lower Upper
41 100
69 0.0 62.0 93.0#
39 61.8 45.7 68.5

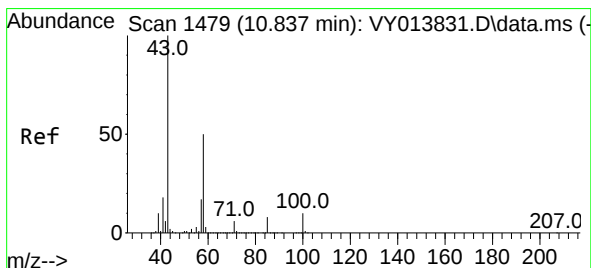
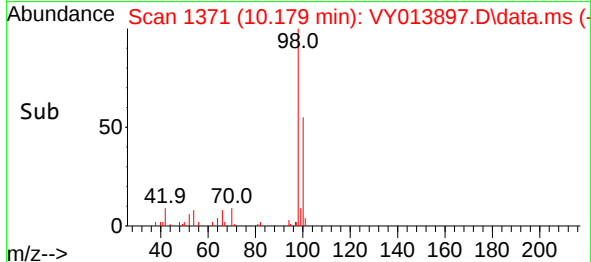
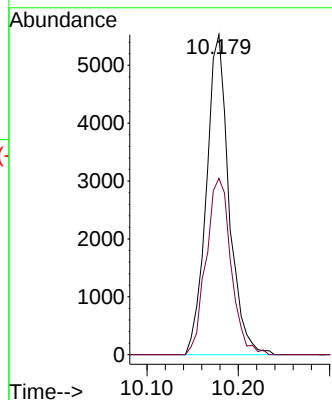
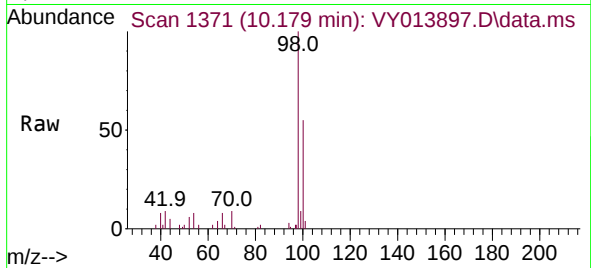




#50
Toluene-d8
Concen: 53.050 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY013897.D
Acq: 26 May 2023 16:47

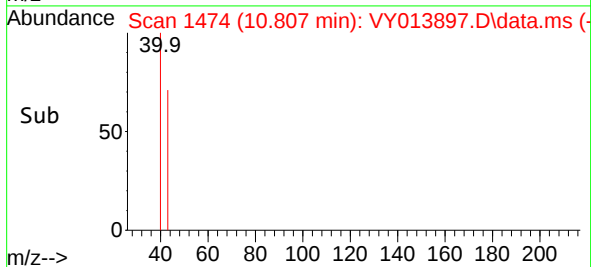
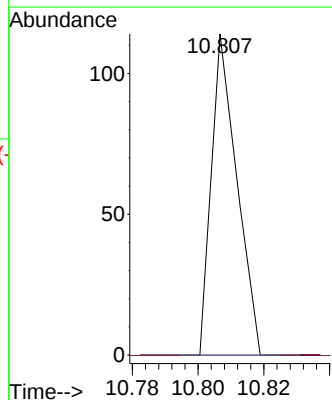
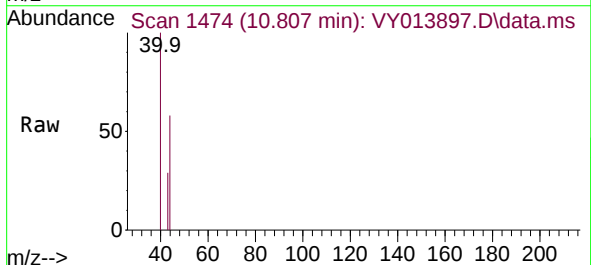
Instrument :
MSVOA_Y
ClientSampleId :
SB20

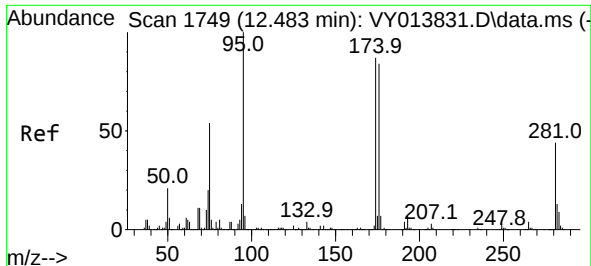
Tgt Ion: 98 Resp: 9478
Ion Ratio Lower Upper
98 100
100 60.8 50.8 76.2



#59
2-Hexanone
Concen: 2.022 ug/l
RT: 10.807 min Scan# 1474
Delta R.T. -0.030 min
Lab File: VY013897.D
Acq: 26 May 2023 16:47

Tgt Ion: 43 Resp: 61
Ion Ratio Lower Upper
43 100
58 0.0 24.8 74.3#

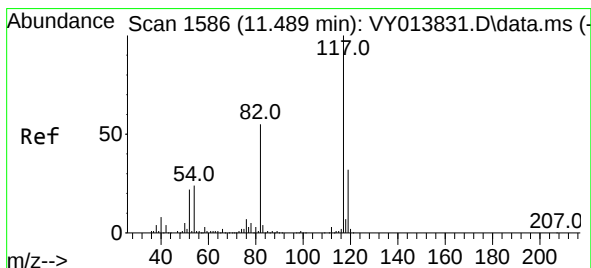
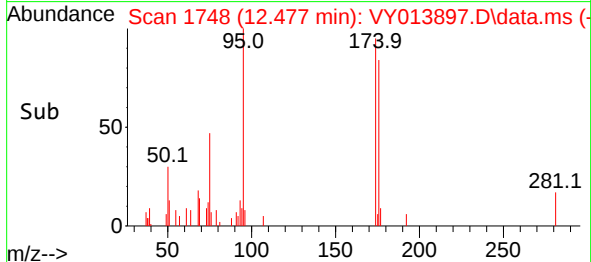
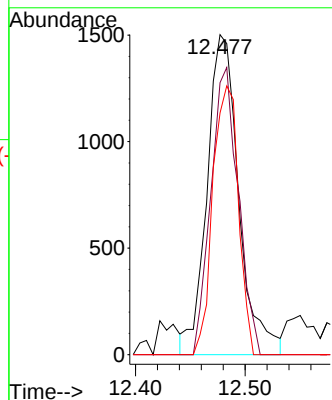
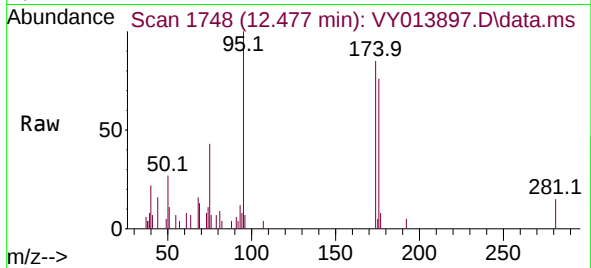




#62
4-Bromofluorobenzene
Concen: 51.021 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY013897.D
Acq: 26 May 2023 16:47

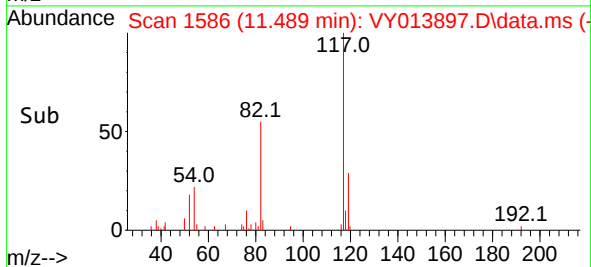
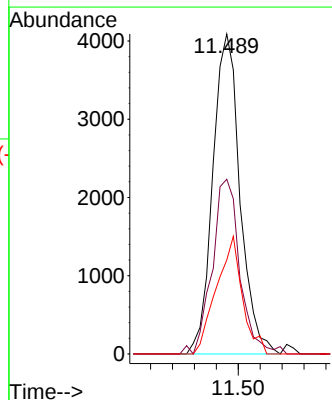
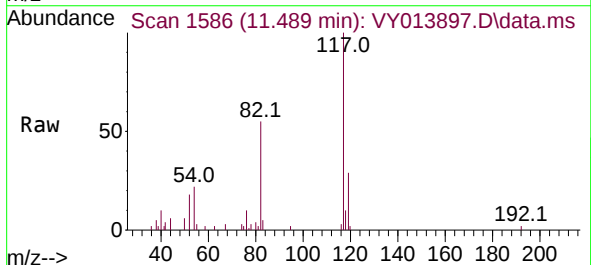
Instrument :
MSVOA_Y
ClientSampleId :
SB20

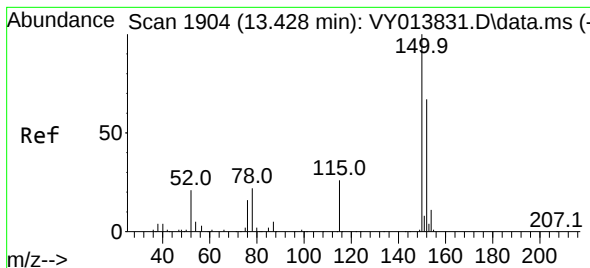
Tgt Ion: 95 Resp: 3030
Ion Ratio Lower Upper
95 100
174 77.3 0.0 176.0
176 67.5 0.0 170.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY013897.D
Acq: 26 May 2023 16:47

Tgt Ion: 117 Resp: 7055
Ion Ratio Lower Upper
117 100
82 54.6 44.2 66.4
119 29.4 25.7 38.5

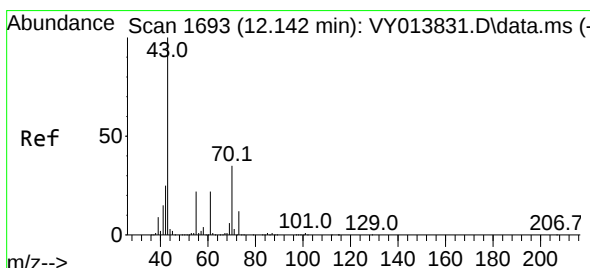
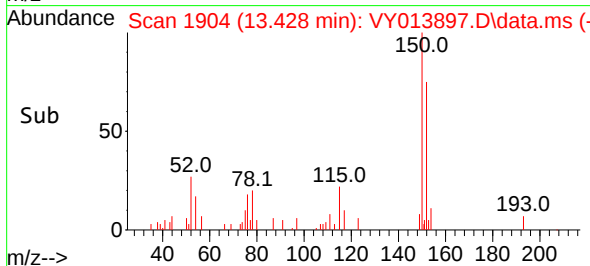
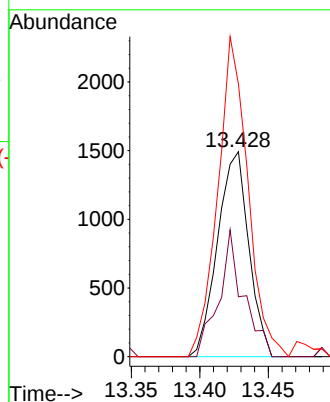
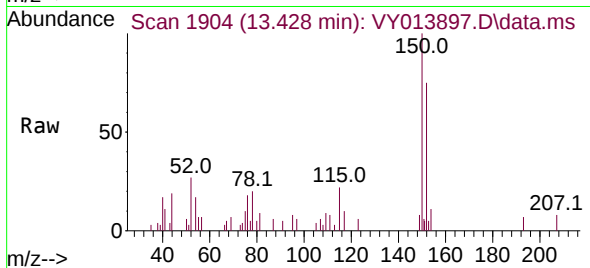




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY013897.D
Acq: 26 May 2023 16:47

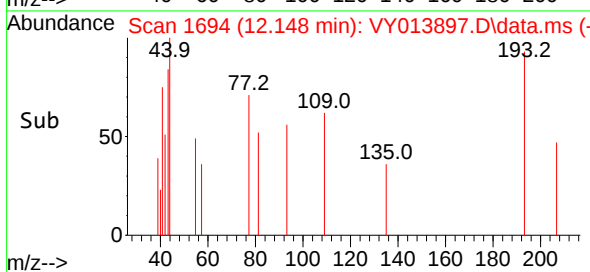
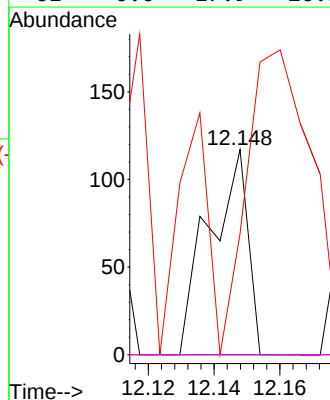
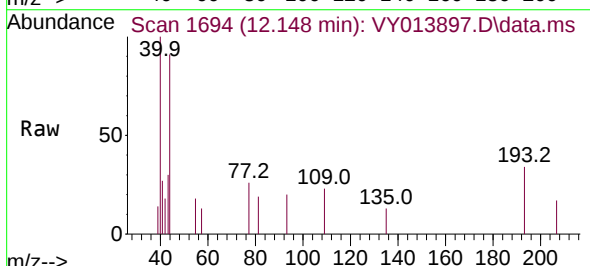
Instrument :
MSVOA_Y
ClientSampleId :
SB20

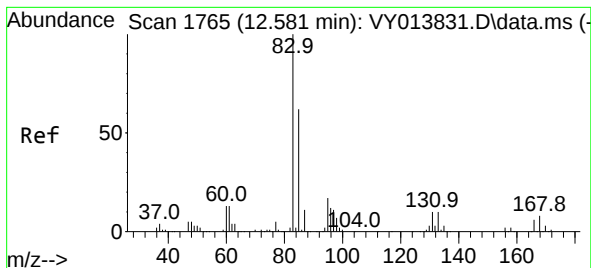
Tgt Ion:152 Resp: 2366
Ion Ratio Lower Upper
152 100
115 48.7 28.8 86.5
150 150.4 0.0 353.4



#74
N-ethyl acetate
Concen: 1.794 ug/l
RT: 12.148 min Scan# 1694
Delta R.T. 0.006 min
Lab File: VY013897.D
Acq: 26 May 2023 16:47

Tgt Ion: 43 Resp: 95
Ion Ratio Lower Upper
43 100
70 0.0 29.3 43.9#
55 248.4 18.0 27.0#
61 0.0 17.9 26.9#





#75

1,1,2,2-Tetrachloroethane

Concen: 1.152 ug/l

RT: 12.569 min Scan# 1763

Delta R.T. -0.012 min

Lab File: VY013897.D

Acq: 26 May 2023 16:47

Instrument :

MSVOA_Y

ClientSampleId :

SB20

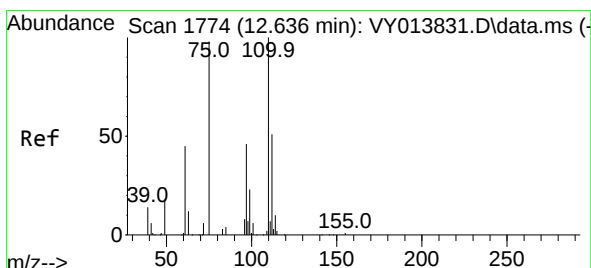
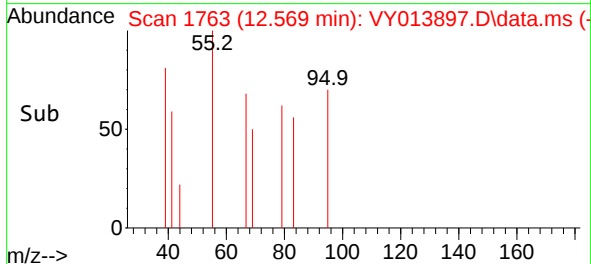
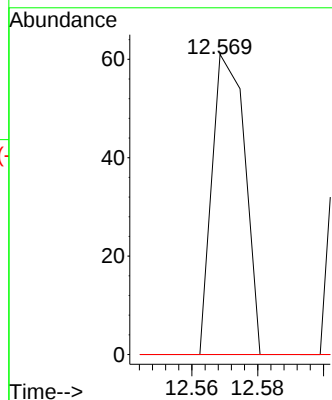
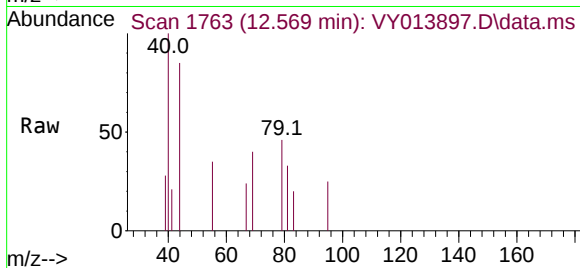
Tgt Ion: 83 Resp: 42

Ion Ratio Lower Upper

83 100

131 0.0 5.3 16.1#

85 0.0 31.9 95.7#



#76

1,2,3-Trichloropropane

Concen: 48.856 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.152 min

Lab File: VY013897.D

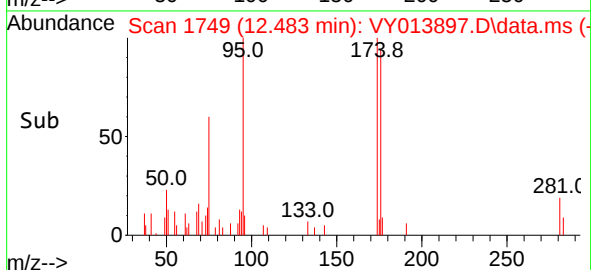
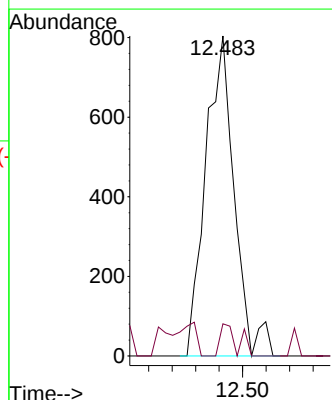
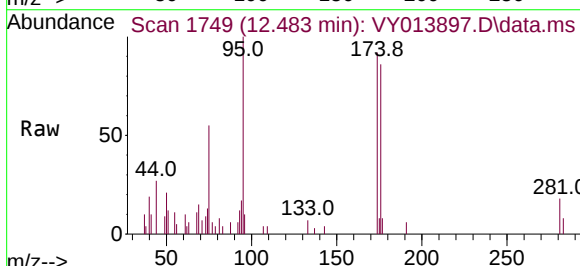
Acq: 26 May 2023 16:47

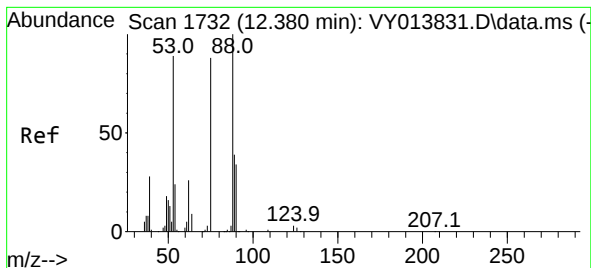
Tgt Ion: 75 Resp: 1363

Ion Ratio Lower Upper

75 100

77 6.0 0.0 0.0#

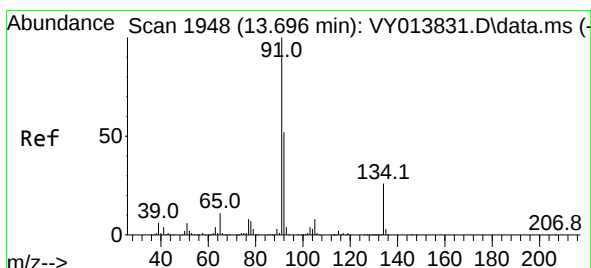
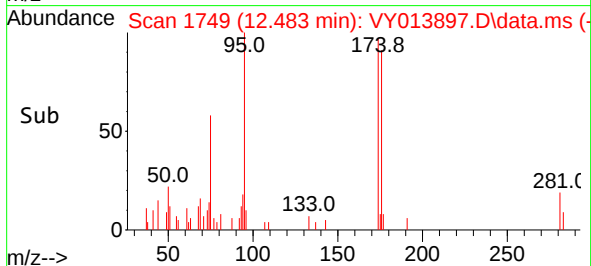
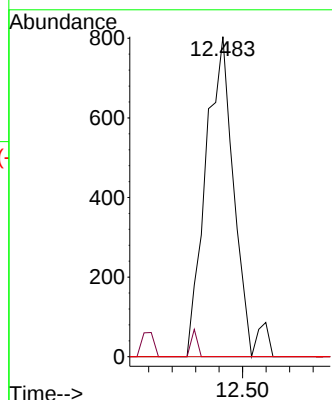
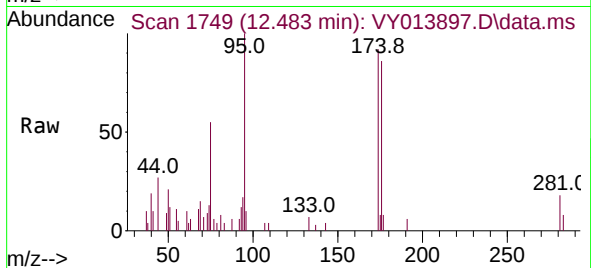




#81
 trans-1,4-Dichloro-2-butene
 Concen: 106.051 ug/l
 RT: 12.483 min Scan# 1732
 Delta R.T. 0.104 min
 Lab File: VY013897.D
 Acq: 26 May 2023 16:47

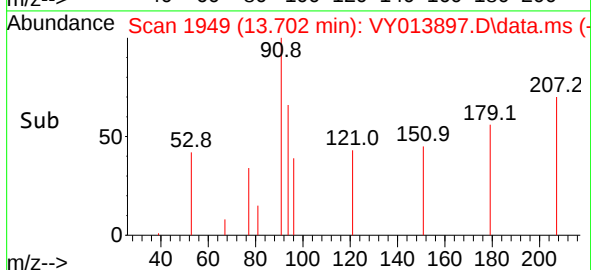
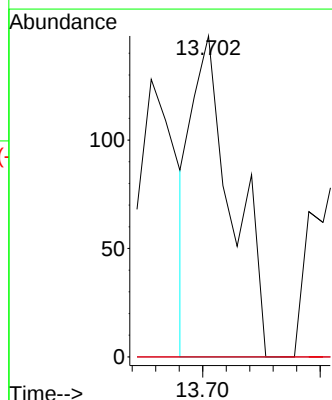
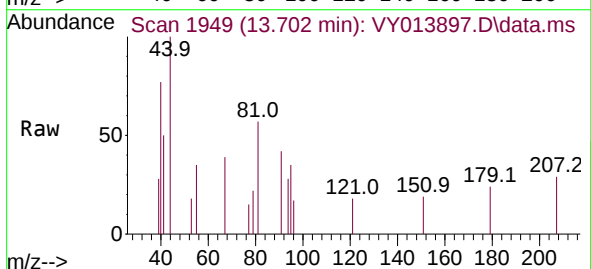
Instrument :
 MSVOA_Y
 ClientSampleId :
 SB20

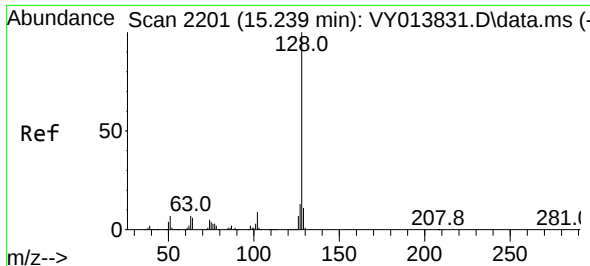
Tgt Ion: 75 Resp: 1363
 Ion Ratio Lower Upper
 75 100
 53 0.0 79.7 119.5#
 89 0.0 36.4 54.6#



#89
 n-Butylbenzene
 Concen: 1.181 ug/l
 RT: 13.702 min Scan# 1949
 Delta R.T. 0.006 min
 Lab File: VY013897.D
 Acq: 26 May 2023 16:47

Tgt Ion: 91 Resp: 176
 Ion Ratio Lower Upper
 91 100
 92 0.0 25.6 76.6#
 134 0.0 13.0 38.9#

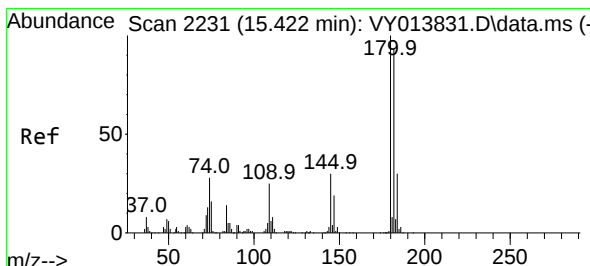
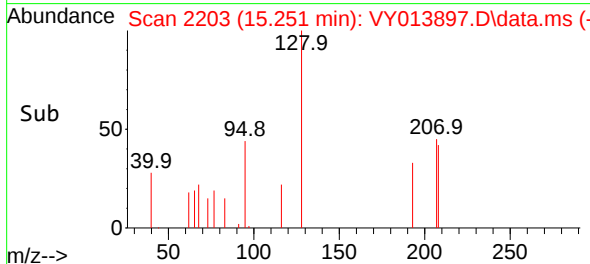
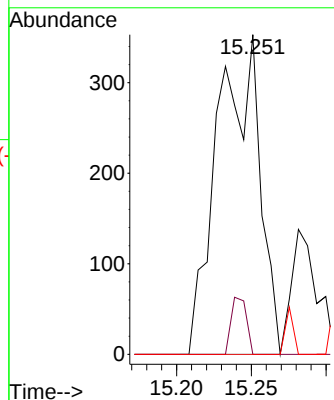
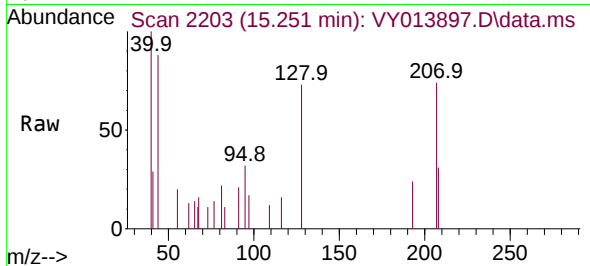




#95
Naphthalene
Concen: 10.787 ug/l
RT: 15.251 min Scan# 21
Delta R.T. 0.012 min
Lab File: VY013897.D
Acq: 26 May 2023 16:47

Instrument :
MSVOA_Y
ClientSampleId :
SB20

Tgt Ion:128 Resp: 693
Ion Ratio Lower Upper
128 100
127 6.5 10.7 16.1#
129 0.0 9.0 13.4#



#96
1,2,3-Trichlorobenzene
Concen: 1.076 ug/l
RT: 15.538 min Scan# 2250
Delta R.T. 0.116 min
Lab File: VY013897.D
Acq: 26 May 2023 16:47

Tgt Ion:180 Resp: 44
Ion Ratio Lower Upper
180 100
182 0.0 47.4 142.2#
145 0.0 15.5 46.5#

