

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112222\
 Data File : VY011560.D
 Acq On : 22 Nov 2022 19:54
 Operator : KP/MD
 Sample : N5754-01
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 23 04:09:30 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111822S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 19 22:37:14 2022
 Response via : Initial Calibration

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

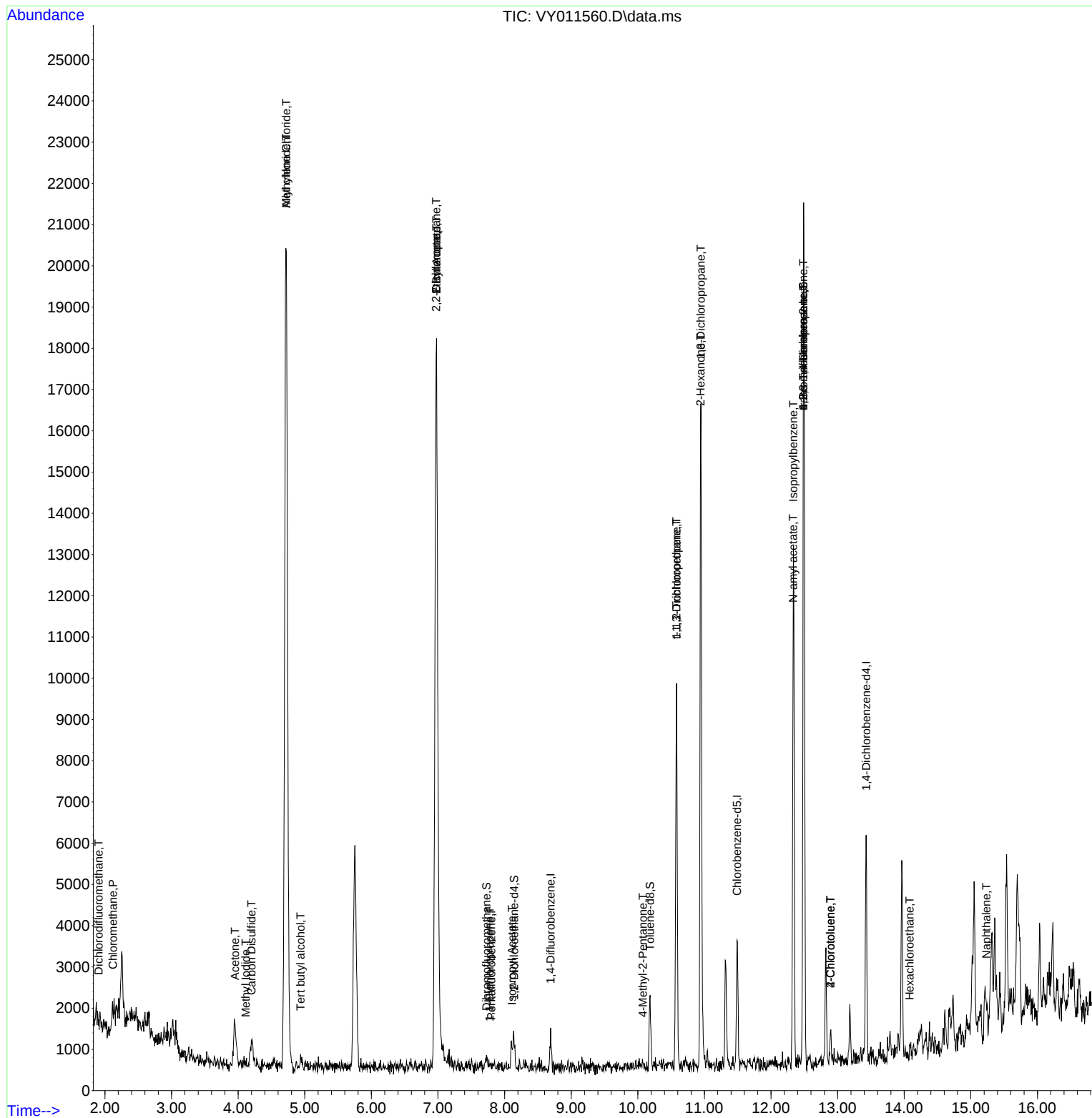
Internal Standards						
1) Pentafluorobenzene	7.801	168	122	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.691	114	893	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	2073	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	1599	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	420	339.042	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 678.080%#	
35) Dibromofluoromethane	7.728	113	299	54.391	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.780%	
50) Toluene-d8	10.185	98	1474	73.787	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 147.580%#	
62) 4-Bromofluorobenzene	12.483	95	1031	139.590	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 279.180%#	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	74	123.261	ug/l	# 43
3) Chloromethane	2.119	50	152	155.925	ug/l	# 44
10) Methyl Iodide	4.113	142	47	34.467	ug/l	# 35
11) Tert butyl alcohol	4.936	59	154	1269.832	ug/l	# 77
14) Allyl chloride	4.722	41	612	325.169	ug/l	# 22
16) Acetone	3.954	43	2037	5062.388	ug/l	96
17) Carbon Disulfide	4.198	76	344	115.770	ug/l	# 75
20) Methylene Chloride	4.722	84	14497	12263.657	ug/l	# 88
25) 2-Butanone	6.978	43	1035	1957.205	ug/l	# 54
26) 2,2-Dichloropropane	6.972	77	1339	601.457	ug/l	# 55
36) 1,1-Dichloropropene	7.777	75	47	5.470	ug/l	# 42
37) Ethyl Acetate	6.978	43	1035	211.523	ug/l	# 1
43) Isopropyl Acetate	8.112	43	19	2.152	ug/l	# 56
51) 4-Methyl-2-Pentanone	10.075	43	135	27.512	ug/l	# 40
53) t-1,3-Dichloropropene	10.581	75	41	4.552	ug/l	# 43
55) 1,1,2-Trichloroethane	10.581	97	152	29.699	ug/l	# 15
57) 1,3-Dichloropropane	10.947	76	46	5.307	ug/l	# 43
59) 2-Hexanone	10.941	43	129	36.834	ug/l	# 28
73) Isopropylbenzene	12.337	105	571	4.938	ug/l	# 48
74) N-amyl acetate	12.331	43	372	13.026	ug/l	# 43
76) 1,2,3-Trichloropropane	12.483	75	656	38.095	ug/l	# 100
79) 2-Chlorotoluene	12.892	91	117	1.471	ug/l	# 41
81) trans-1,4-Dichloro-2-b...	12.483	75	656	83.441	ug/l	# 7
82) 4-Chlorotoluene	12.892	91	117	1.407	ug/l	# 41
90) Hexachloroethane	14.080	117	31	1.452	ug/l	# 6
95) Naphthalene	15.233	128	165	6.698	ug/l	# 69

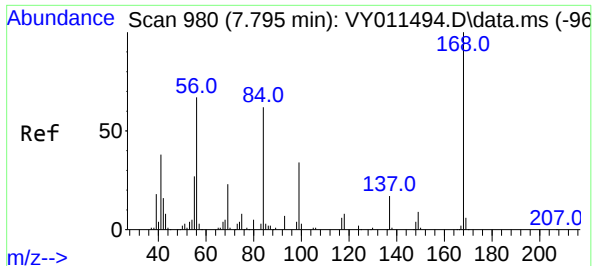
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

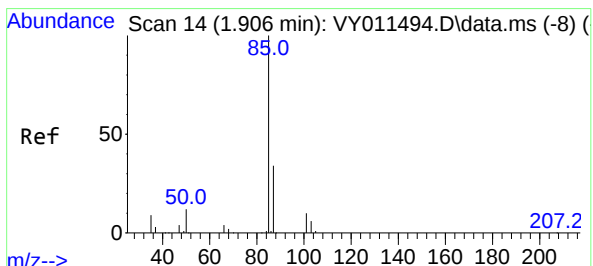
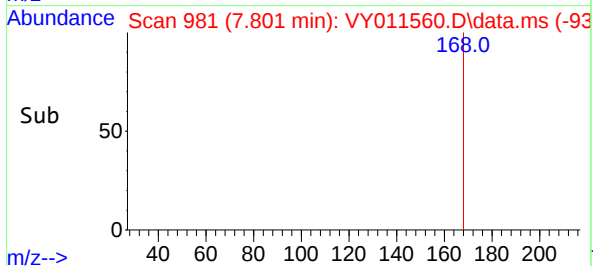
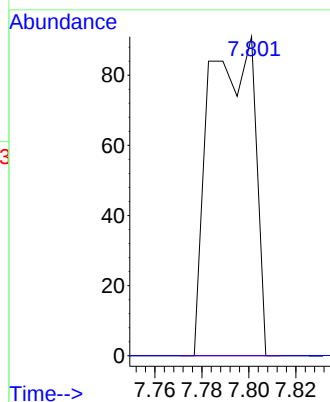
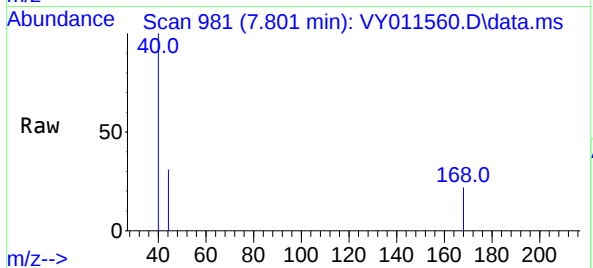




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY011560.D
Acq: 22 Nov 2022 19:54

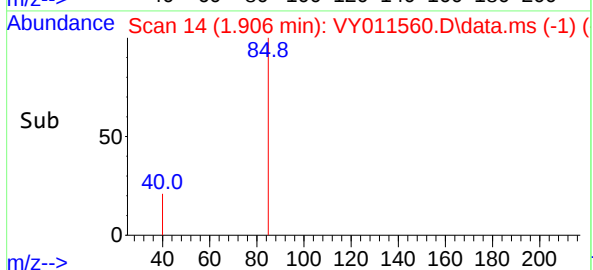
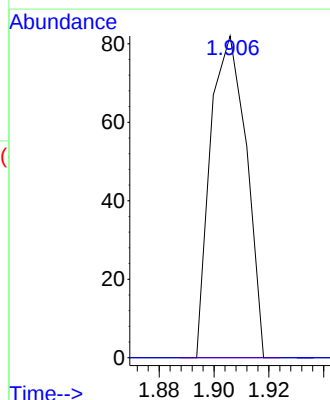
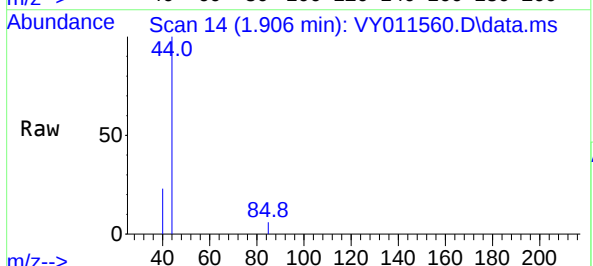
Instrument :
MSVOA_Y
ClientSampleId :

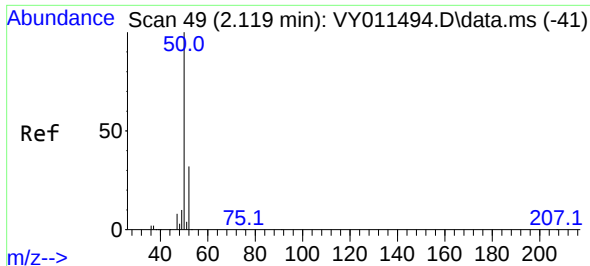
Tgt Ion:168 Resp: 122
Ion Ratio Lower Upper
168 100
99 0.0 46.9 70.3#



#2
Dichlorodifluoromethane
Concen: 123.261 ug/l
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY011560.D
Acq: 22 Nov 2022 19:54

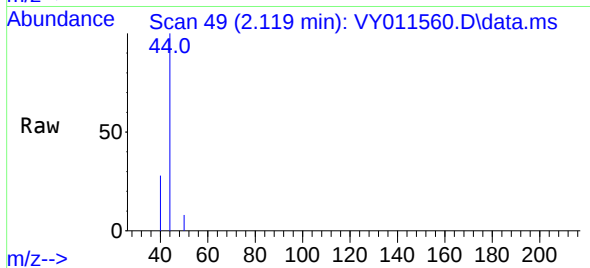
Tgt Ion: 85 Resp: 74
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#



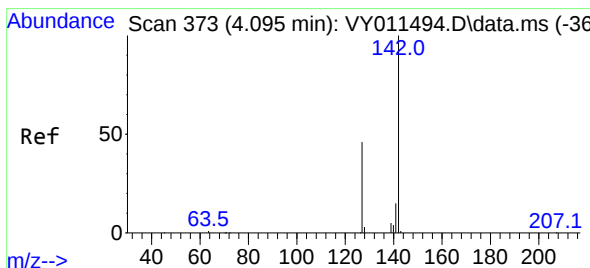
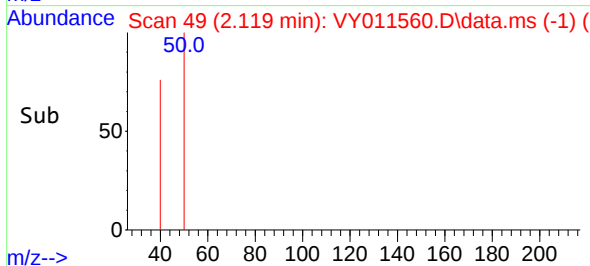
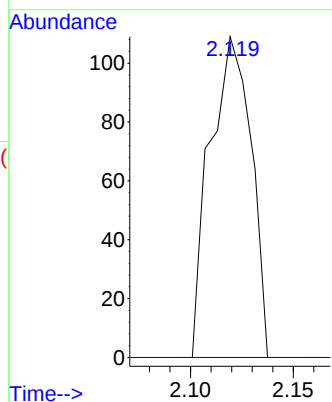


#3
Chloromethane
Concen: 155.925 ug/l
RT: 2.119 min Scan# 49
Delta R.T. 0.000 min
Lab File: VY011560.D
Acq: 22 Nov 2022 19:54

Instrument :
MSVOA_Y
ClientSampleId :

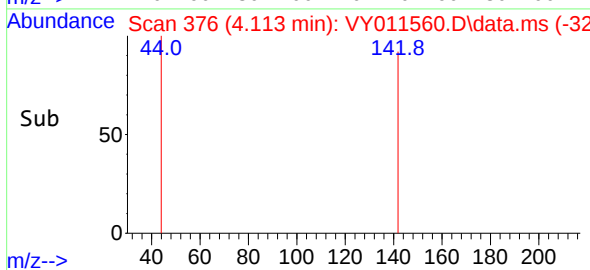
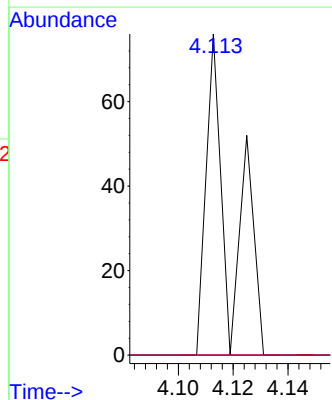
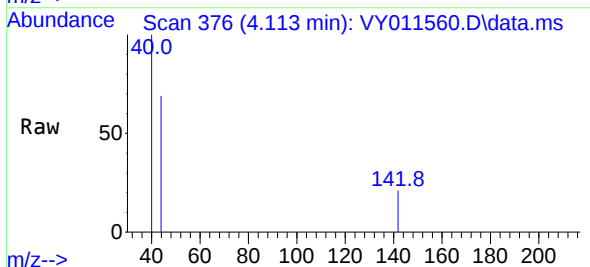


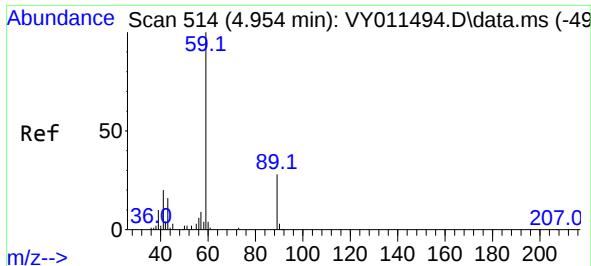
Tgt Ion: 50 Resp: 152
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#



#10
Methyl Iodide
Concen: 34.467 ug/l
RT: 4.113 min Scan# 376
Delta R.T. 0.018 min
Lab File: VY011560.D
Acq: 22 Nov 2022 19:54

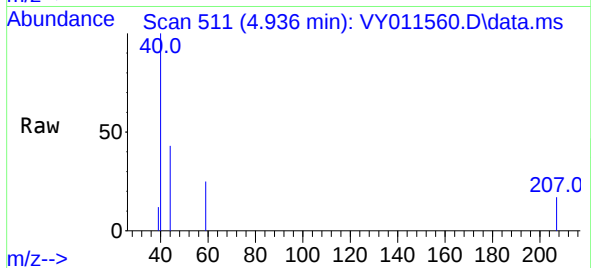
Tgt Ion: 142 Resp: 47
Ion Ratio Lower Upper
142 100
127 0.0 41.5 62.3#
141 0.0 11.9 17.9#



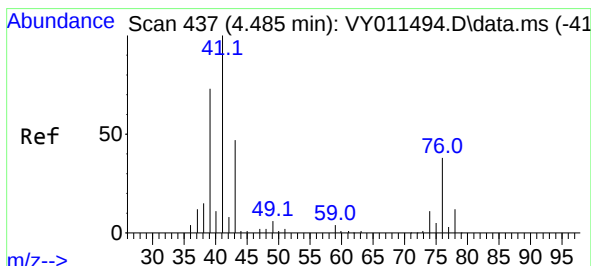
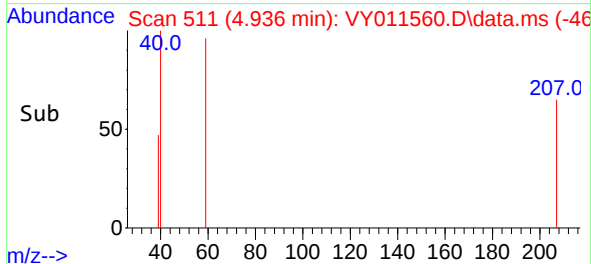
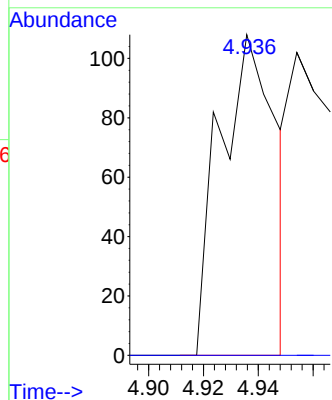


#11
Tert butyl alcohol
Concen: 1269.832 ug/l
RT: 4.936 min Scan# 511
Delta R.T. -0.018 min
Lab File: VY011560.D
Acq: 22 Nov 2022 19:54

Instrument :
MSVOA_Y
ClientSampleId :

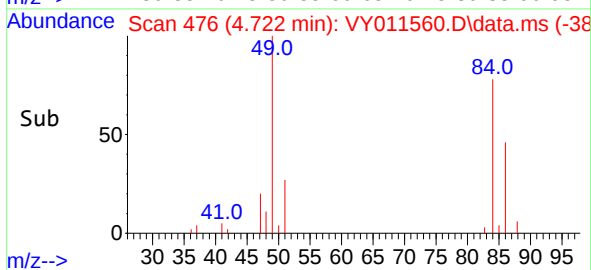
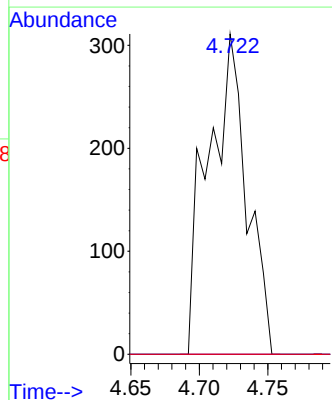
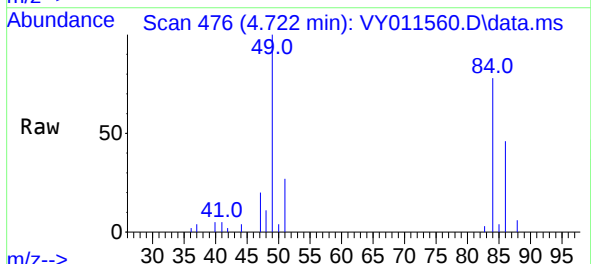


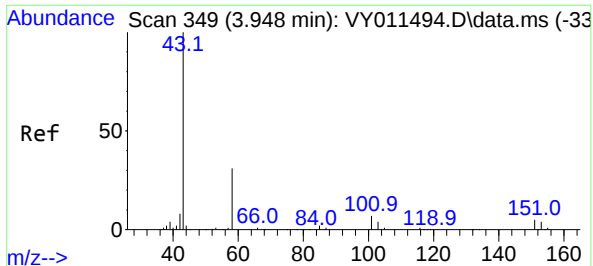
Tgt Ion: 59 Resp: 154
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#



#14
Allyl chloride
Concen: 325.169 ug/l
RT: 4.722 min Scan# 476
Delta R.T. 0.237 min
Lab File: VY011560.D
Acq: 22 Nov 2022 19:54

Tgt Ion: 41 Resp: 612
Ion Ratio Lower Upper
41 100
39 0.0 58.8 88.2#
76 0.0 25.1 37.7#

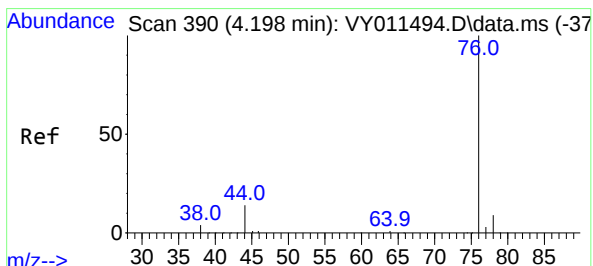
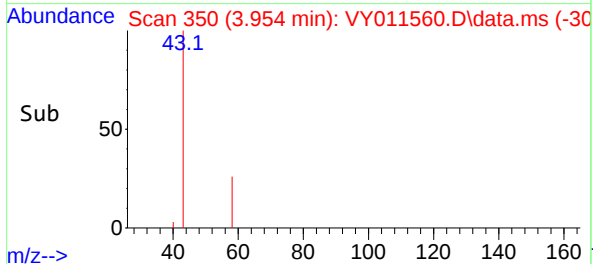
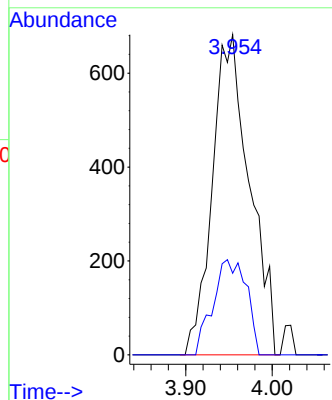
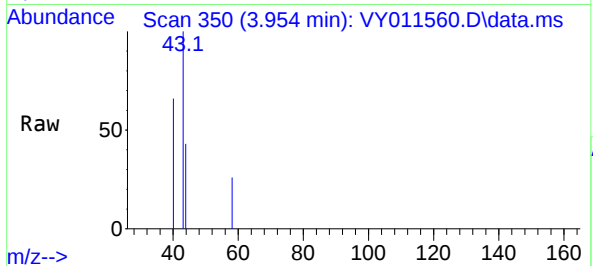




#16
Acetone
Concen: 5062.388 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY011560.D
Acq: 22 Nov 2022 19:54

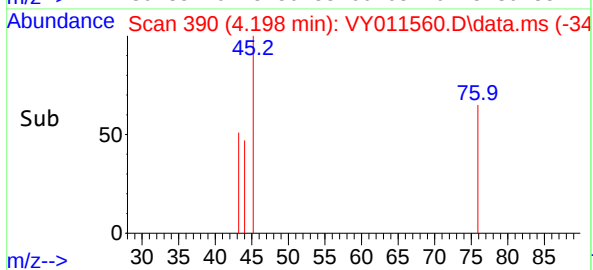
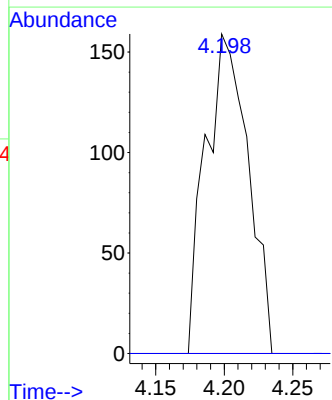
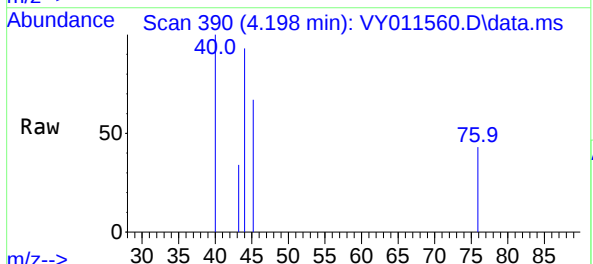
Instrument :
MSVOA_Y
ClientSampleId :

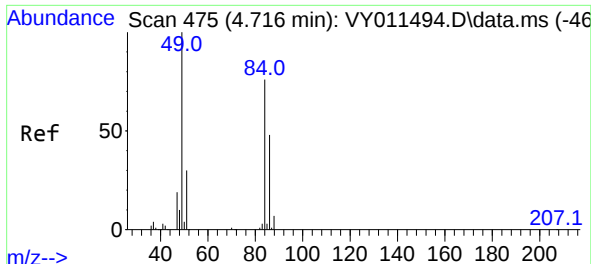
Tgt Ion: 43 Resp: 2037
Ion Ratio Lower Upper
43 100
58 25.5 22.0 33.0



#17
Carbon Disulfide
Concen: 115.770 ug/l
RT: 4.198 min Scan# 390
Delta R.T. 0.000 min
Lab File: VY011560.D
Acq: 22 Nov 2022 19:54

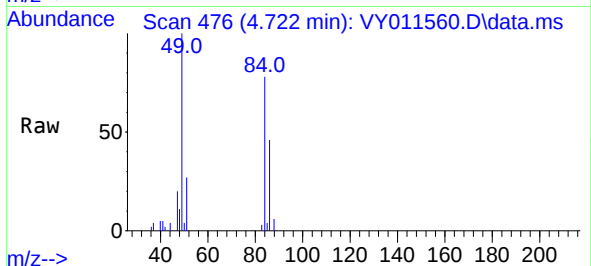
Tgt Ion: 76 Resp: 344
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#





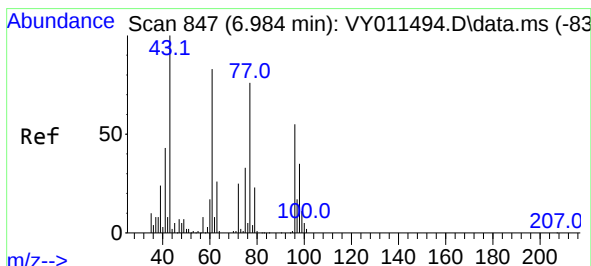
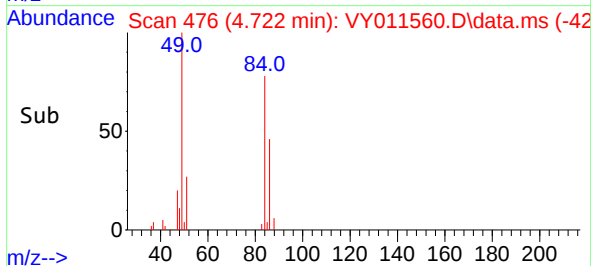
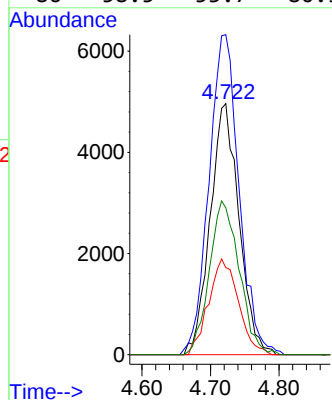
#20
Methylene Chloride
Concen: 12263.657 ug/l
RT: 4.722 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY011560.D
Acq: 22 Nov 2022 19:54

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 84 Resp: 14497

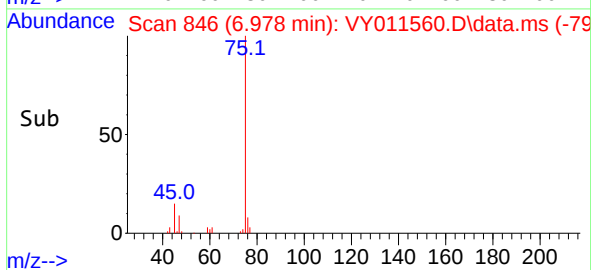
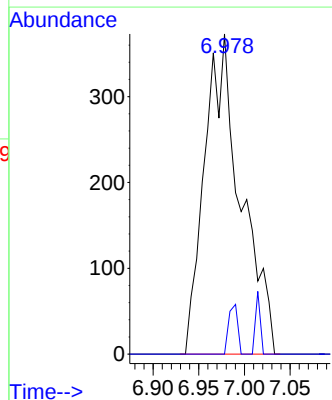
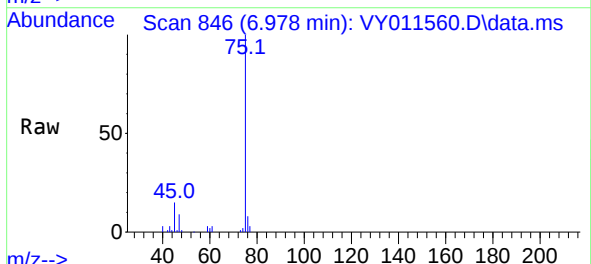
Ion	Ratio	Lower	Upper
84	100		
49	127.4	114.4	171.6
51	34.7	35.3	52.9#
86	58.5	53.7	80.5

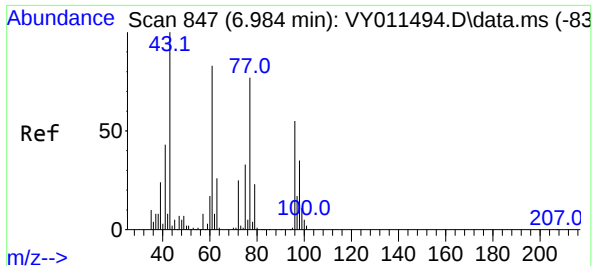


#25
2-Butanone
Concen: 1957.205 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY011560.D
Acq: 22 Nov 2022 19:54

Tgt Ion: 43 Resp: 1035

Ion	Ratio	Lower	Upper
43	100		
72	0.0	17.7	26.5#





#26

2,2-Dichloropropane

Concen: 601.457 ug/l

RT: 6.972 min Scan# 84

Delta R.T. -0.012 min

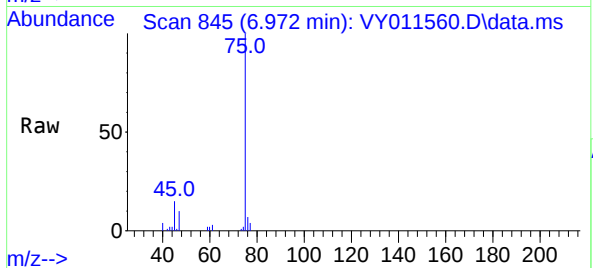
Lab File: VY011560.D

Acq: 22 Nov 2022 19:54

Instrument :

MSVOA_Y

ClientSampleId :

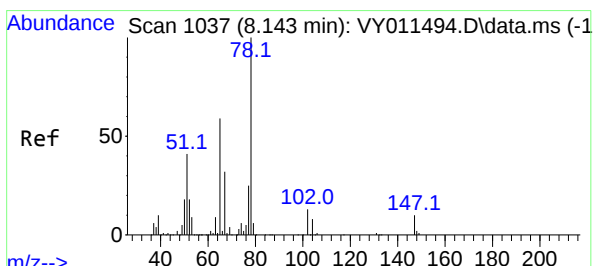
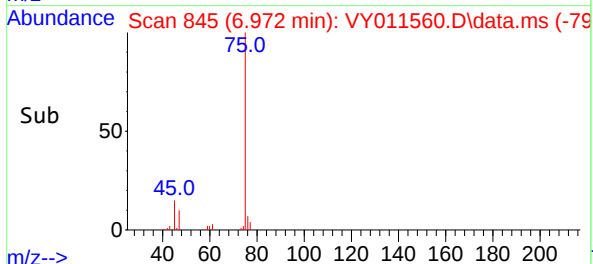
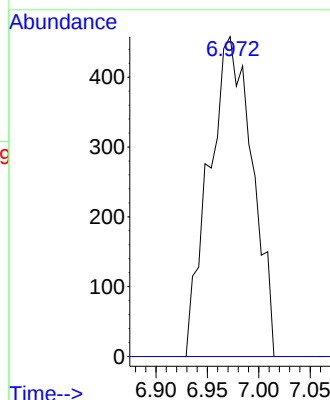


Tgt Ion: 77 Resp: 1339

Ion Ratio Lower Upper

77 100

97 0.0 10.4 31.4#



#33

1,2-Dichloroethane-d4

Concen: 339.042 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. -0.000 min

Lab File: VY011560.D

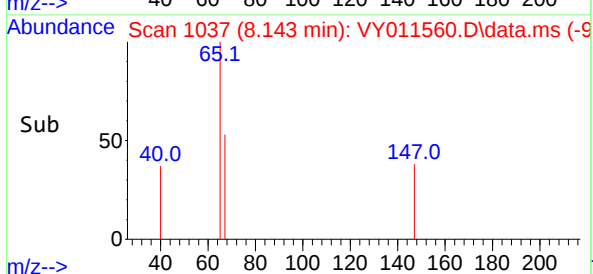
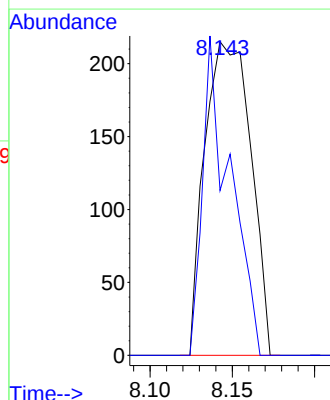
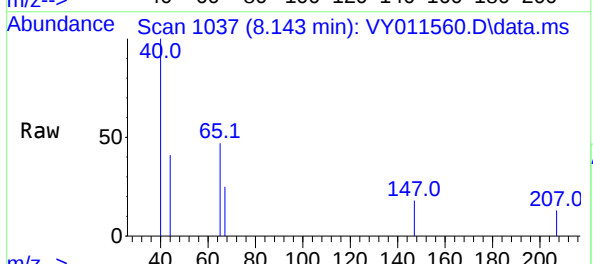
Acq: 22 Nov 2022 19:54

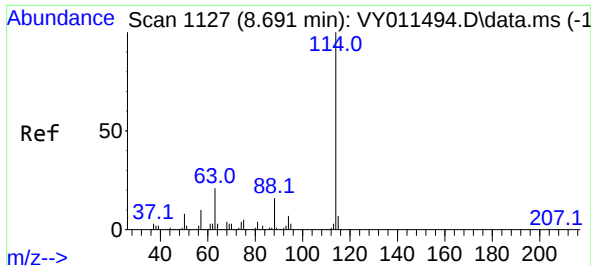
Tgt Ion: 65 Resp: 420

Ion Ratio Lower Upper

65 100

67 60.7 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY011560.D

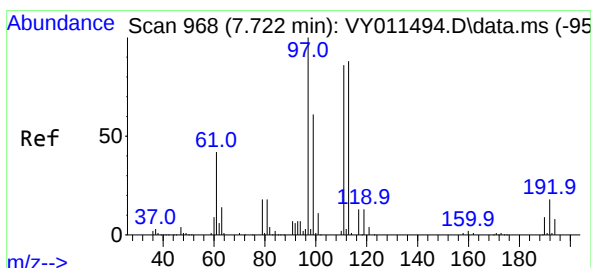
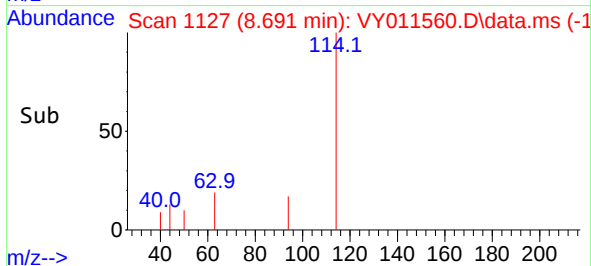
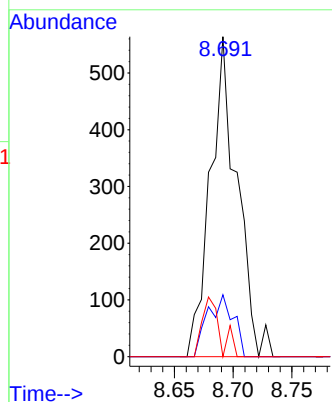
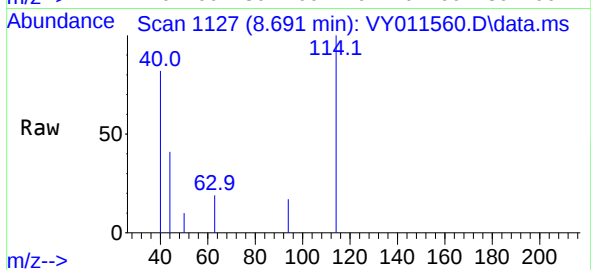
Acq: 22 Nov 2022 19:54

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:114	Resp:	893
Ion	Ratio	Lower Upper
114	100	
63	19.3	0.0 43.2
88	0.0	0.0 31.8



#35

Dibromofluoromethane

Concen: 54.391 ug/l

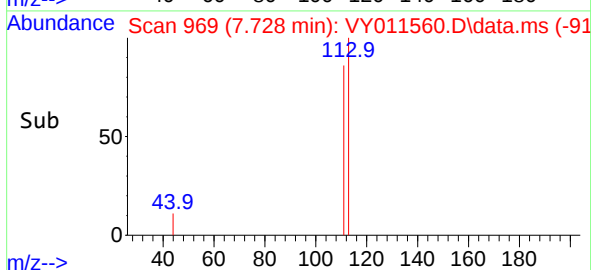
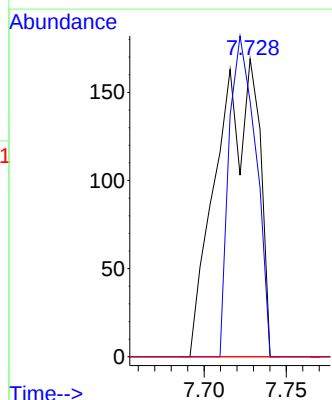
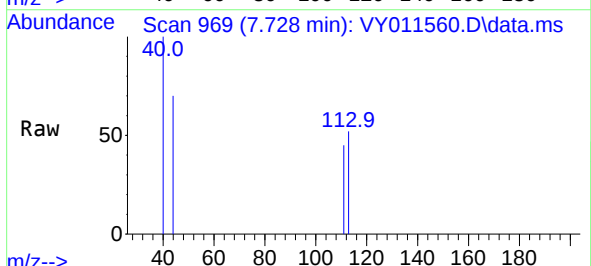
RT: 7.728 min Scan# 969

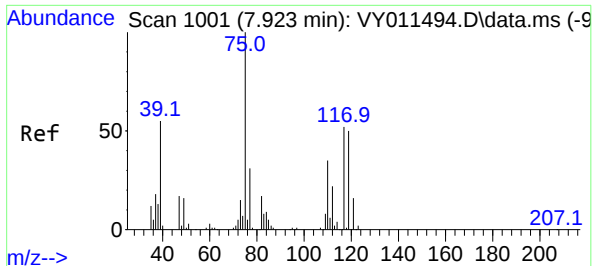
Delta R.T. 0.006 min

Lab File: VY011560.D

Acq: 22 Nov 2022 19:54

Tgt Ion:113	Resp:	299
Ion	Ratio	Lower Upper
113	100	
111	68.6	82.6 124.0#
192	0.0	17.6 26.4#





#36

1,1-Dichloropropene

Concen: 5.470 ug/l

RT: 7.777 min Scan# 91

Delta R.T. -0.146 min

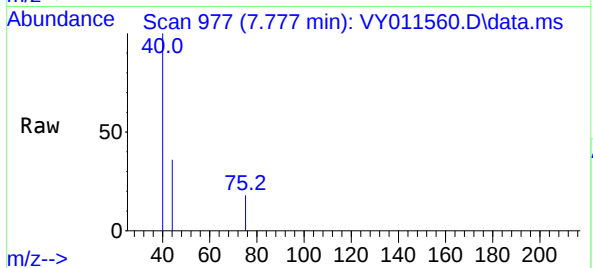
Lab File: VY011560.D

Acq: 22 Nov 2022 19:54

Instrument :

MSVOA_Y

ClientSampleId :



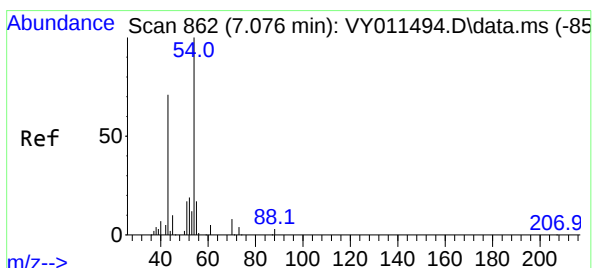
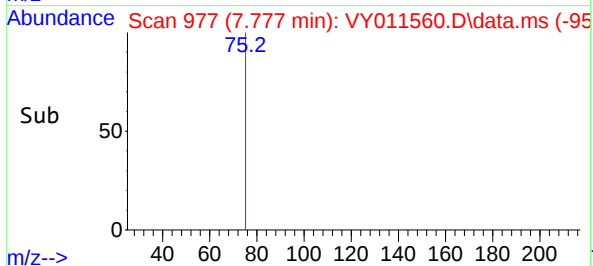
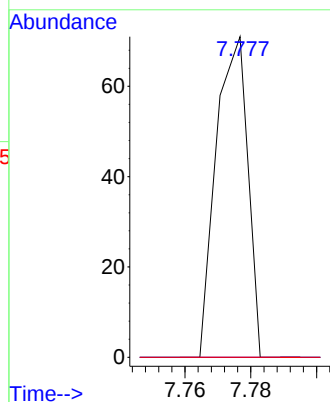
Tgt Ion: 75 Resp: 47

Ion Ratio Lower Upper

75 100

110 0.0 17.1 51.2#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 211.523 ug/l

RT: 6.978 min Scan# 846

Delta R.T. -0.098 min

Lab File: VY011560.D

Acq: 22 Nov 2022 19:54

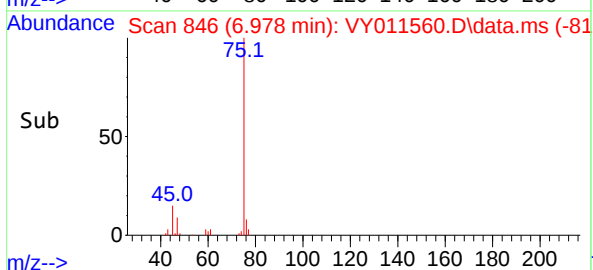
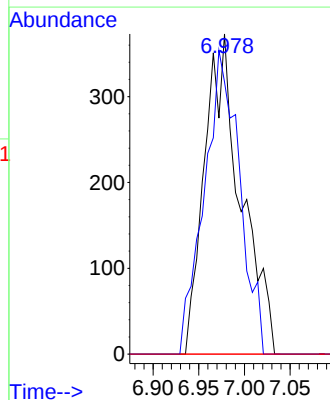
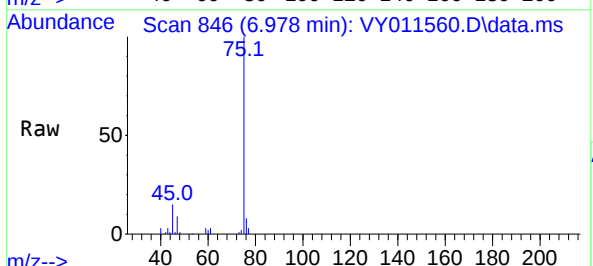
Tgt Ion: 43 Resp: 1035

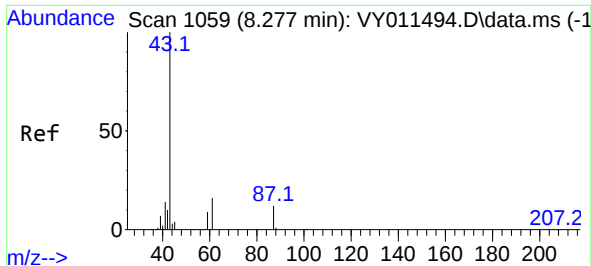
Ion Ratio Lower Upper

43 100

61 91.7 9.7 14.5#

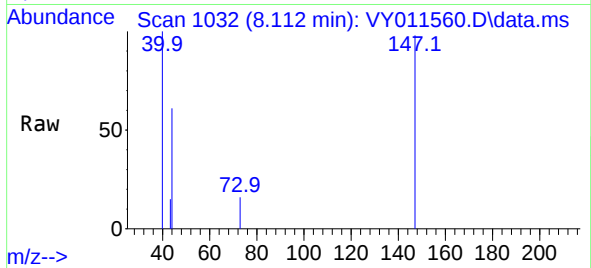
70 0.0 7.1 10.7#



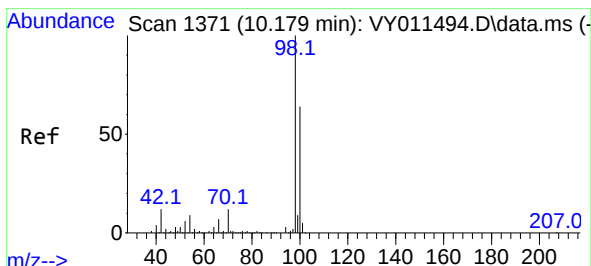
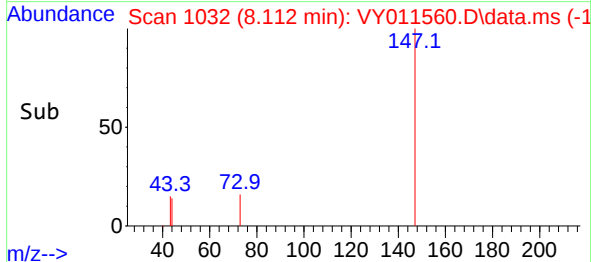
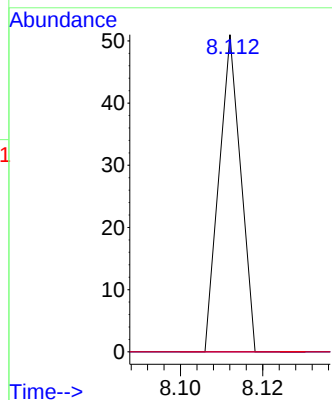


#43
Isopropyl Acetate
Concen: 2.152 ug/l
RT: 8.112 min Scan# 1032
Delta R.T. -0.165 min
Lab File: VY011560.D
Acq: 22 Nov 2022 19:54

Instrument :
MSVOA_Y
ClientSampleId :

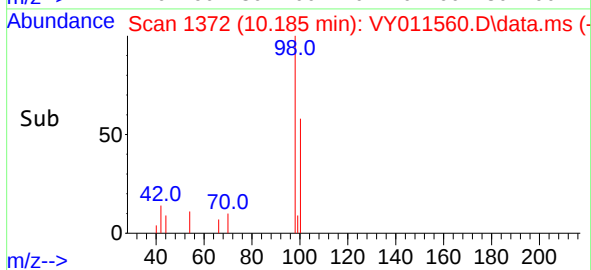
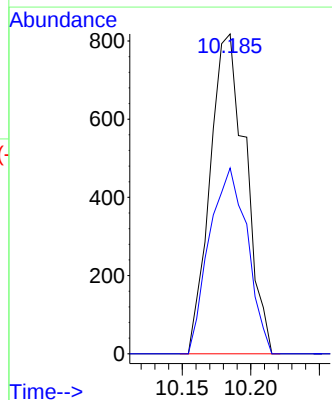
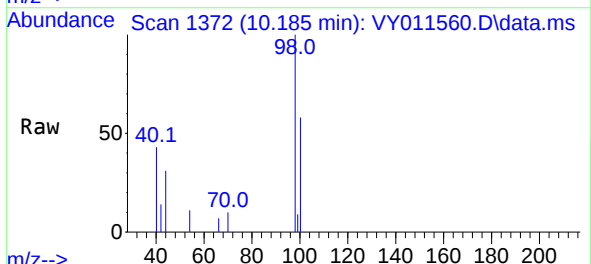


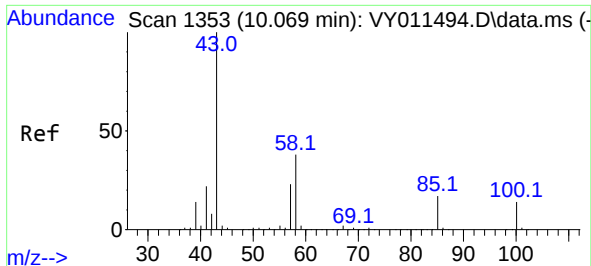
Tgt Ion: 43 Resp: 19
Ion Ratio Lower Upper
43 100
61 0.0 20.2 30.2#
87 0.0 8.9 13.3#



#50
Toluene-d8
Concen: 73.787 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.006 min
Lab File: VY011560.D
Acq: 22 Nov 2022 19:54

Tgt Ion: 98 Resp: 1474
Ion Ratio Lower Upper
98 100
100 62.1 50.2 75.2

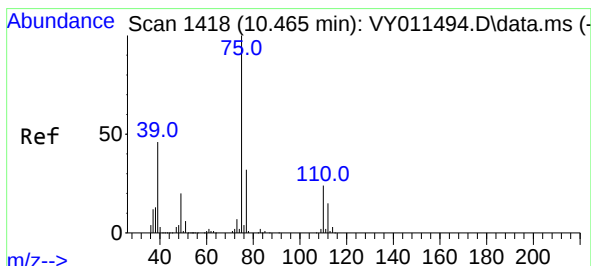
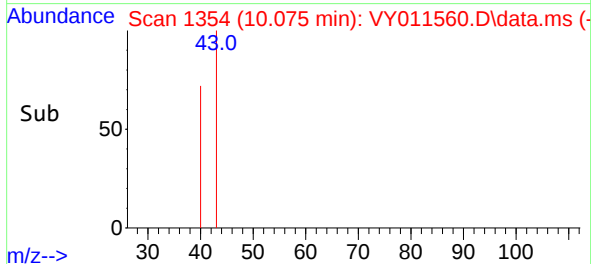
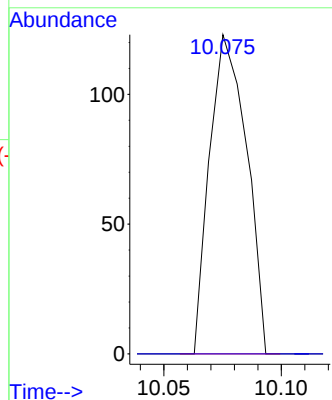
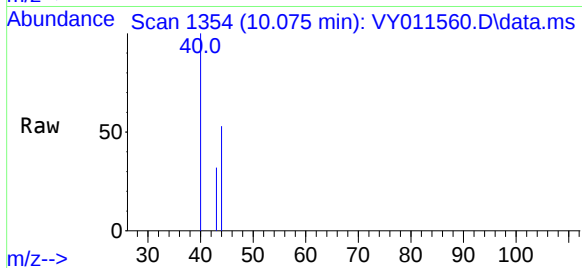




#51
4-Methyl-2-Pentanone
Concen: 27.512 ug/l
RT: 10.075 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY011560.D
Acq: 22 Nov 2022 19:54

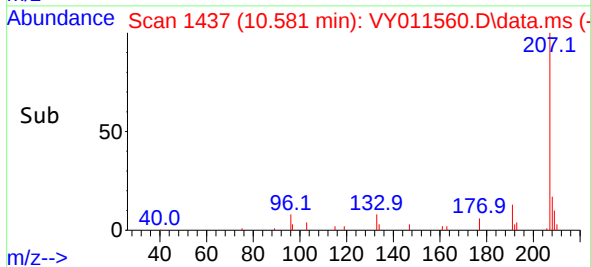
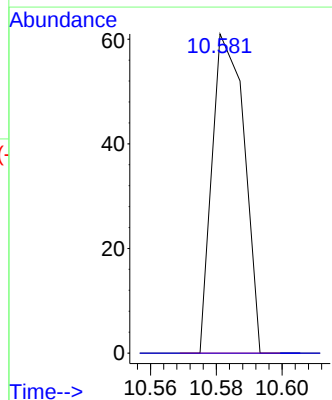
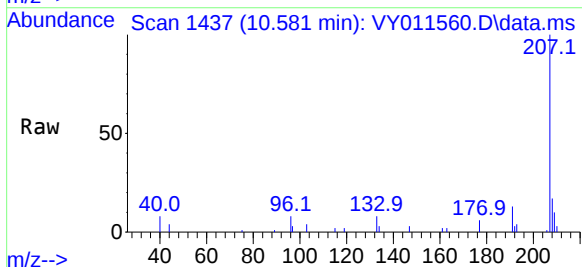
Instrument :
MSVOA_Y
ClientSampleId :

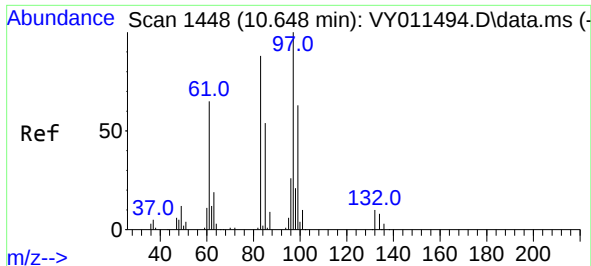
Tgt Ion: 43 Resp: 135
Ion Ratio Lower Upper
43 100
58 0.0 28.1 42.1#



#53
t-1,3-Dichloropropene
Concen: 4.552 ug/l
RT: 10.581 min Scan# 1437
Delta R.T. 0.116 min
Lab File: VY011560.D
Acq: 22 Nov 2022 19:54

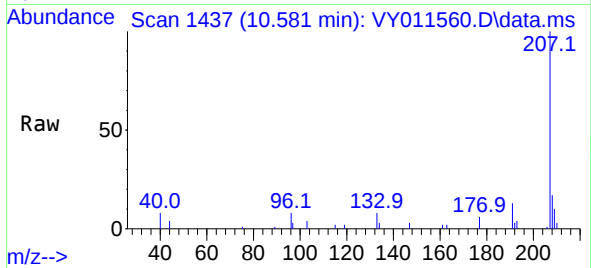
Tgt Ion: 75 Resp: 41
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.2#



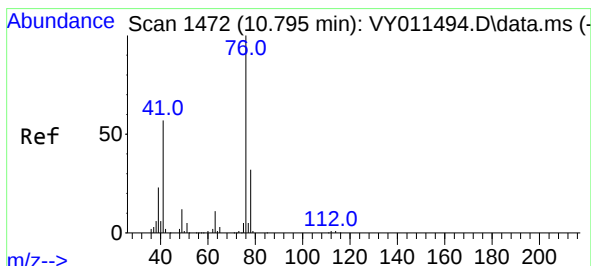
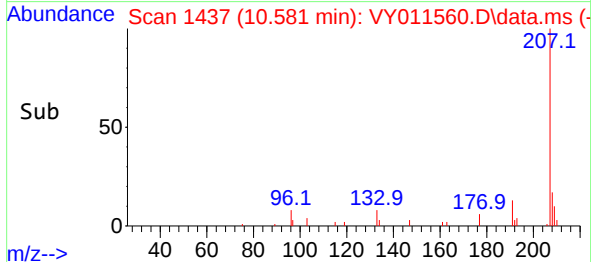
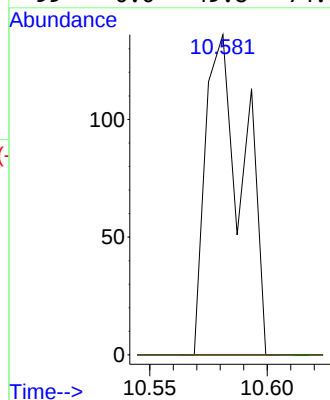


#55
1,1,2-Trichloroethane
Concen: 29.699 ug/l
RT: 10.581 min Scan# 1448
Delta R.T. -0.067 min
Lab File: VY011560.D
Acq: 22 Nov 2022 19:54

Instrument :
MSVOA_Y
ClientSampleId :

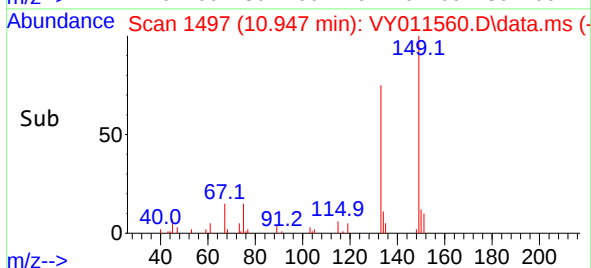
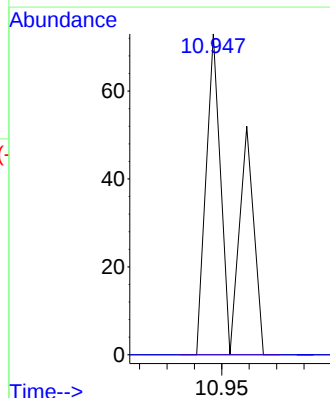
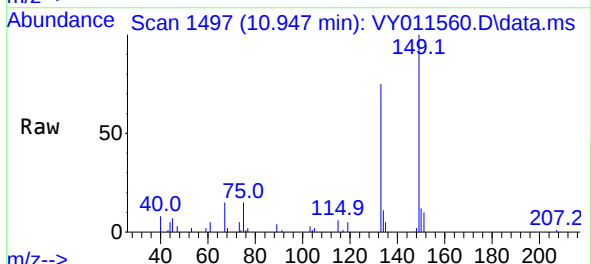


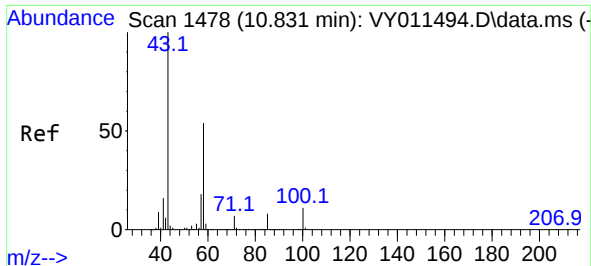
Tgt Ion: 97 Resp: 152
Ion Ratio Lower Upper
97 100
83 0.0 69.8 104.8#
85 0.0 44.3 66.5#
99 0.0 49.8 74.6#



#57
1,3-Dichloropropane
Concen: 5.307 ug/l
RT: 10.947 min Scan# 1497
Delta R.T. 0.152 min
Lab File: VY011560.D
Acq: 22 Nov 2022 19:54

Tgt Ion: 76 Resp: 46
Ion Ratio Lower Upper
76 100
78 0.0 25.0 37.6#

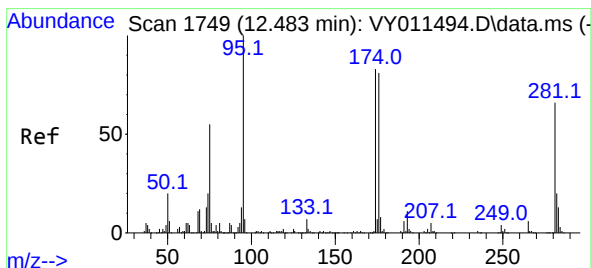
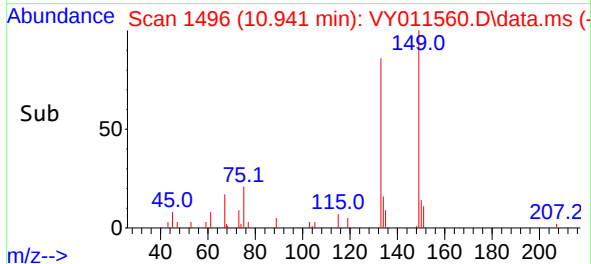
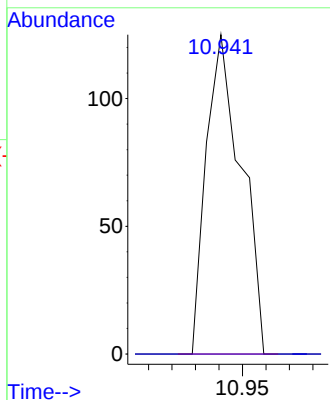
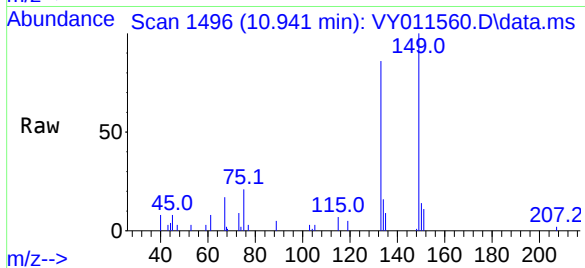




#59
2-Hexanone
Concen: 36.834 ug/l
RT: 10.941 min Scan# 1496
Delta R.T. 0.110 min
Lab File: VY011560.D
Acq: 22 Nov 2022 19:54

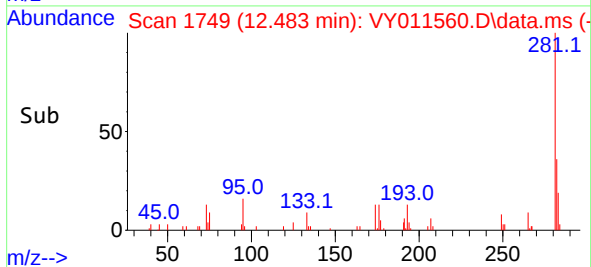
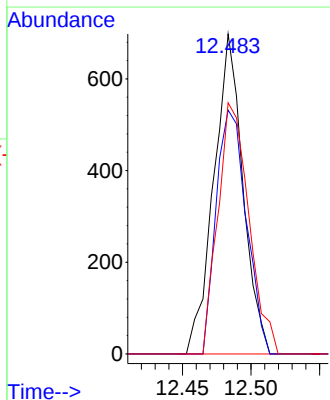
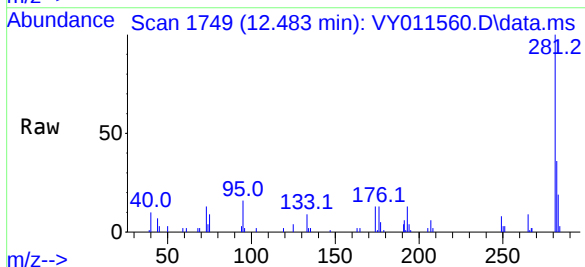
Instrument :
MSVOA_Y
ClientSampleId :

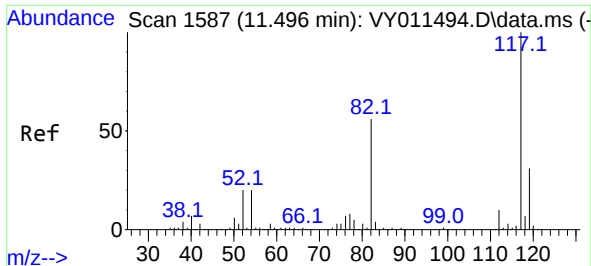
Tgt Ion: 43 Resp: 129
Ion Ratio Lower Upper
43 100
58 0.0 24.4 73.4#



#62
4-Bromofluorobenzene
Concen: 139.590 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY011560.D
Acq: 22 Nov 2022 19:54

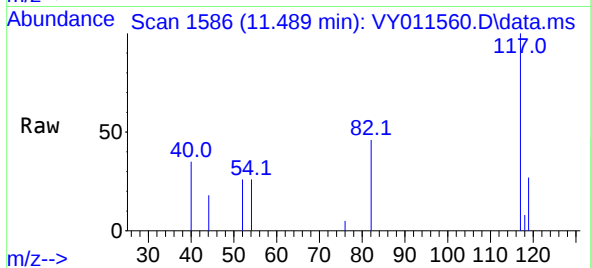
Tgt Ion: 95 Resp: 1031
Ion Ratio Lower Upper
95 100
174 78.7 0.0 177.0
176 83.3 0.0 175.8



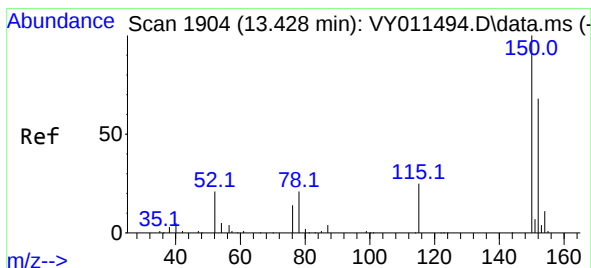
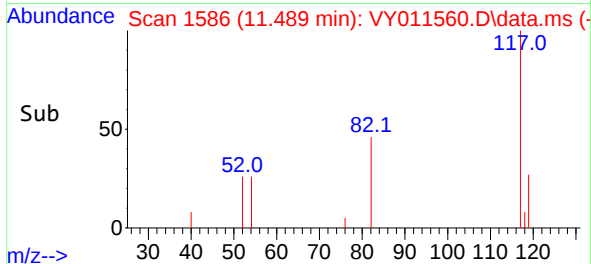
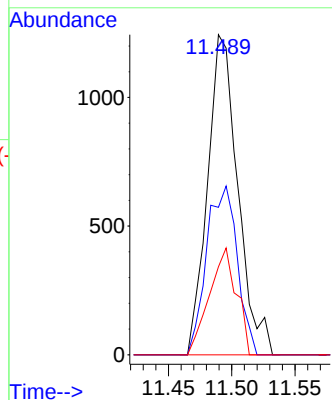


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.007 min
Lab File: VY011560.D
Acq: 22 Nov 2022 19:54

Instrument :
MSVOA_Y
ClientSampleId :

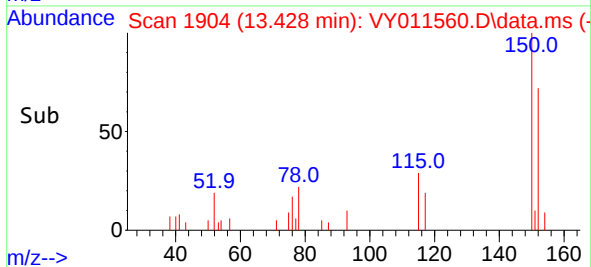
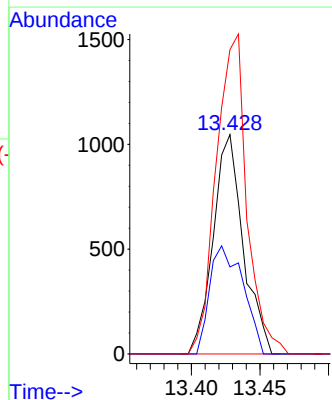
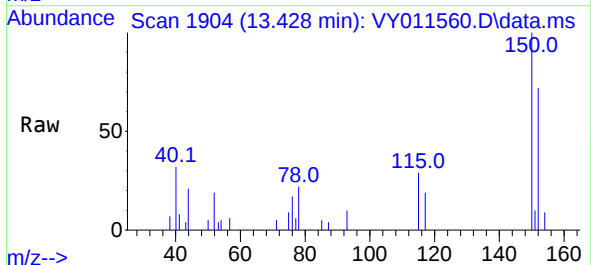


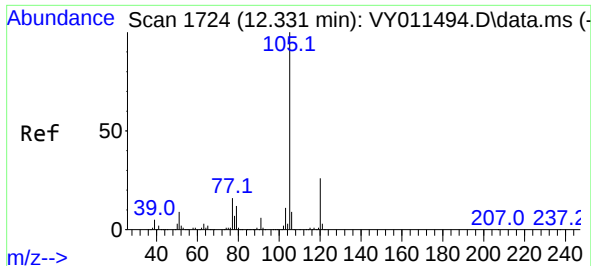
Tgt Ion:117 Resp: 2073
Ion Ratio Lower Upper
117 100
82 46.1 43.0 64.4
119 27.5 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY011560.D
Acq: 22 Nov 2022 19:54

Tgt Ion:152 Resp: 1599
Ion Ratio Lower Upper
152 100
115 54.7 28.2 84.7
150 148.7 0.0 347.6

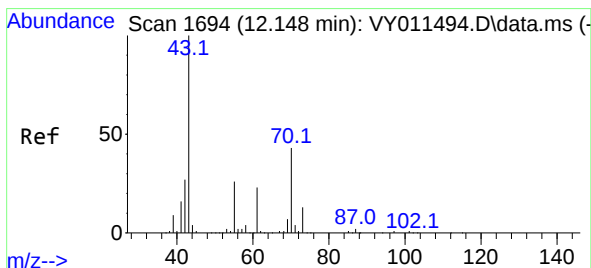
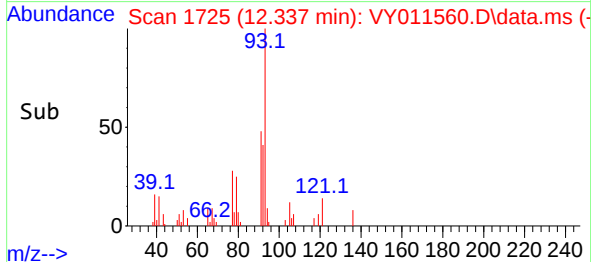
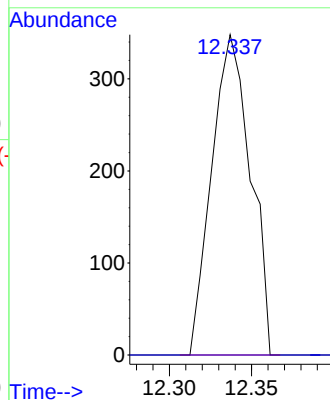
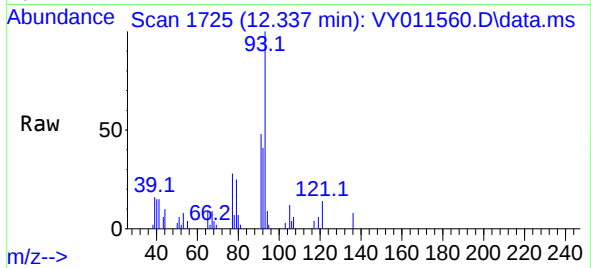




#73
Isopropylbenzene
Concen: 4.938 ug/l
RT: 12.337 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY011560.D
Acq: 22 Nov 2022 19:54

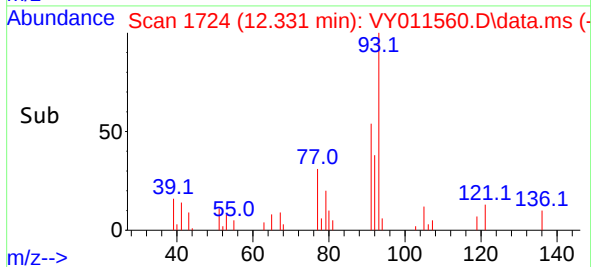
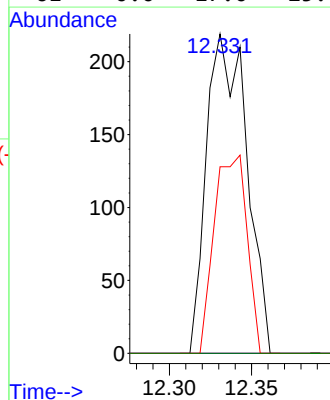
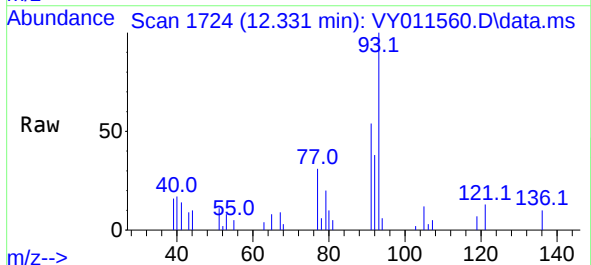
Instrument :
MSVOA_Y
ClientSampleId :

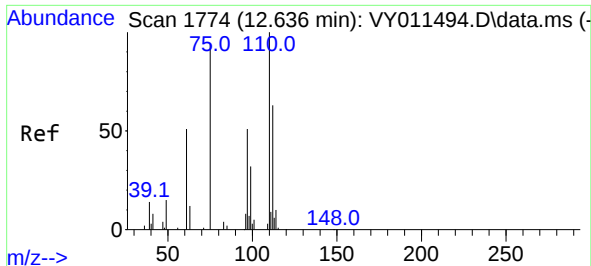
Tgt Ion:105 Resp: 571
Ion Ratio Lower Upper
105 100
120 0.0 13.4 40.2#



#74
N-ethyl acetate
Concen: 13.026 ug/l
RT: 12.331 min Scan# 1724
Delta R.T. 0.183 min
Lab File: VY011560.D
Acq: 22 Nov 2022 19:54

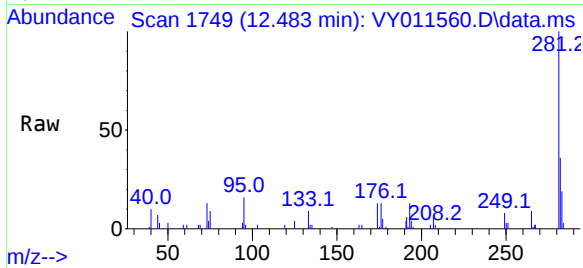
Tgt Ion: 43 Resp: 372
Ion Ratio Lower Upper
43 100
70 0.0 28.7 43.1#
55 50.5 17.3 25.9#
61 0.0 17.0 25.6#



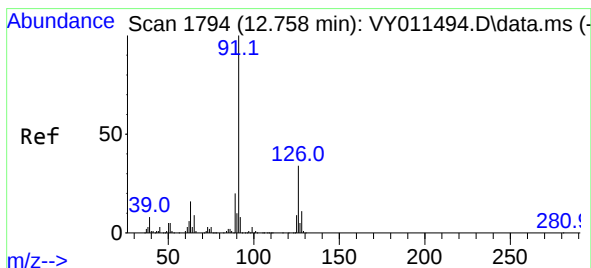
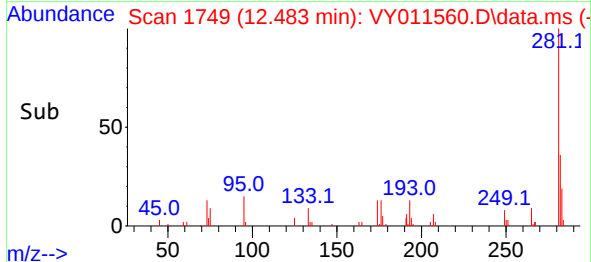
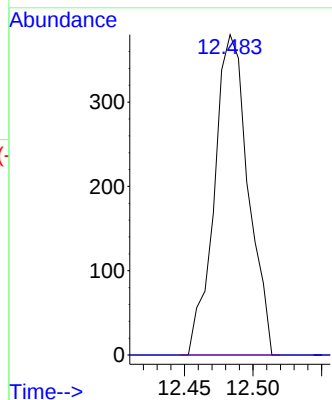


#76
1,2,3-Trichloropropane
Concen: 38.095 ug/l
RT: 12.483 min Scan# 11
Delta R.T. -0.153 min
Lab File: VY011560.D
Acq: 22 Nov 2022 19:54

Instrument :
MSVOA_Y
ClientSampleId :

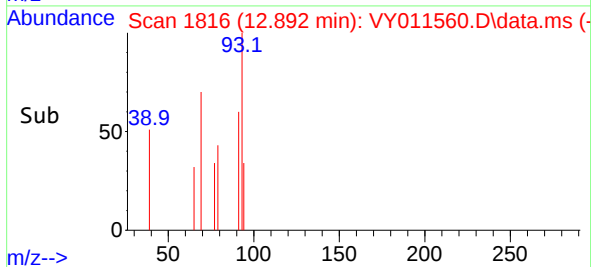
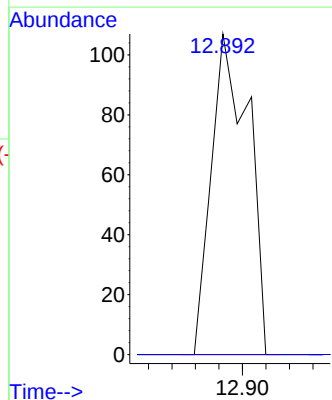
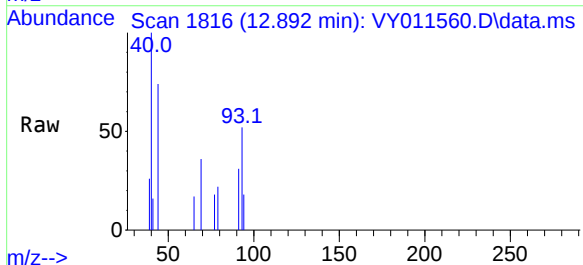


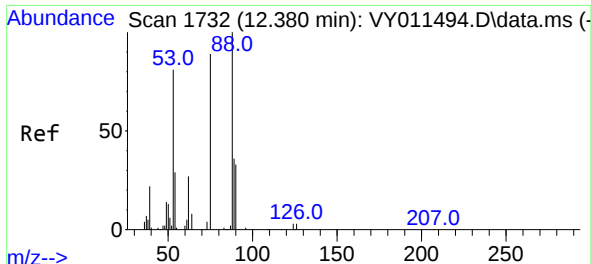
Tgt Ion: 75 Resp: 656
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#79
2-Chlorotoluene
Concen: 1.471 ug/l
RT: 12.892 min Scan# 1816
Delta R.T. 0.134 min
Lab File: VY011560.D
Acq: 22 Nov 2022 19:54

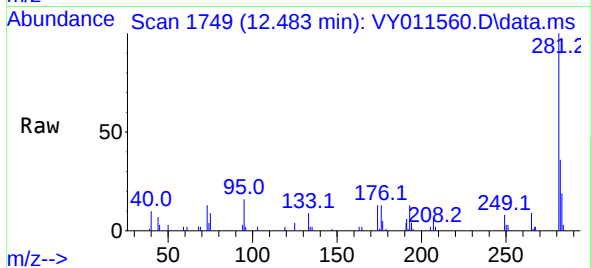
Tgt Ion: 91 Resp: 117
Ion Ratio Lower Upper
91 100
126 0.0 16.9 50.6#



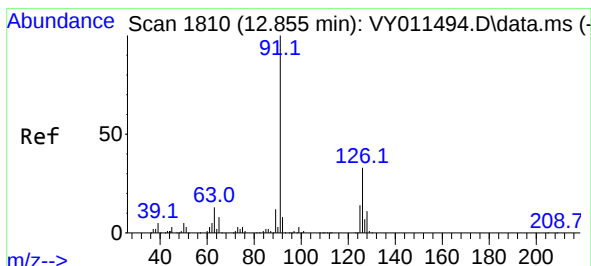
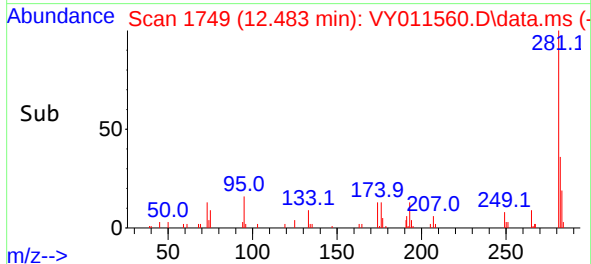
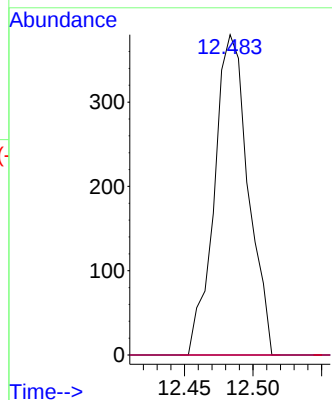


#81
trans-1,4-Dichloro-2-butene
Concen: 83.441 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.103 min
Lab File: VY011560.D
Acq: 22 Nov 2022 19:54

Instrument :
MSVOA_Y
ClientSampleId :

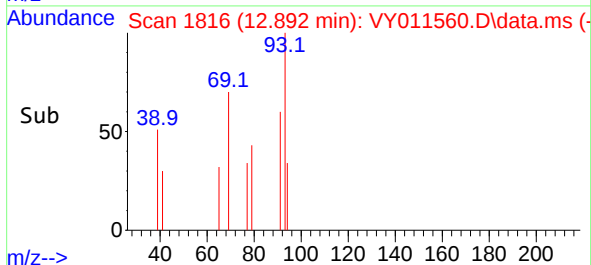
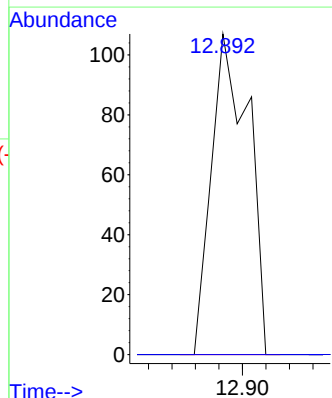
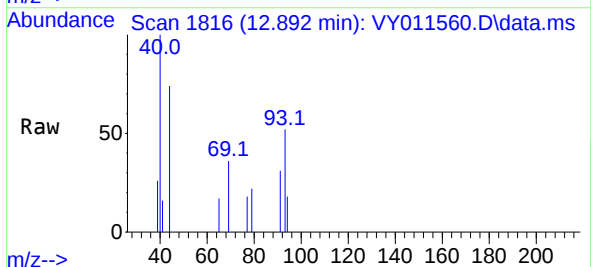


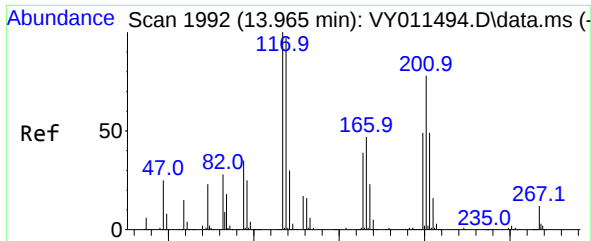
Tgt Ion: 75 Resp: 656
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#



#82
4-Chlorotoluene
Concen: 1.407 ug/l
RT: 12.892 min Scan# 1816
Delta R.T. 0.037 min
Lab File: VY011560.D
Acq: 22 Nov 2022 19:54

Tgt Ion: 91 Resp: 117
Ion Ratio Lower Upper
91 100
126 0.0 17.0 51.0#

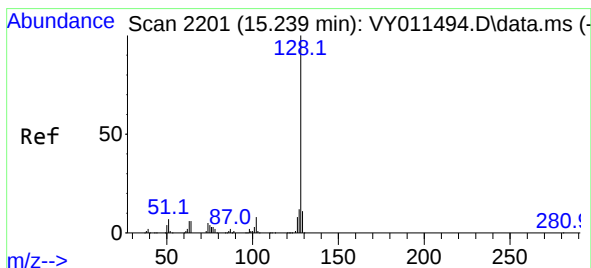
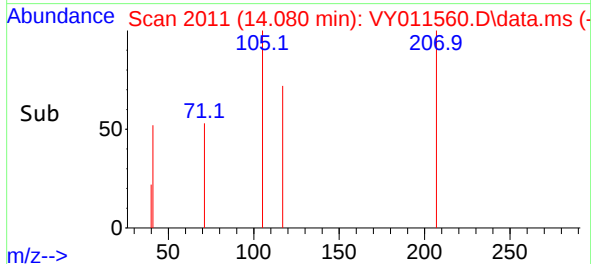
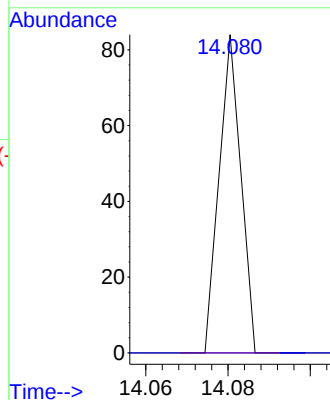
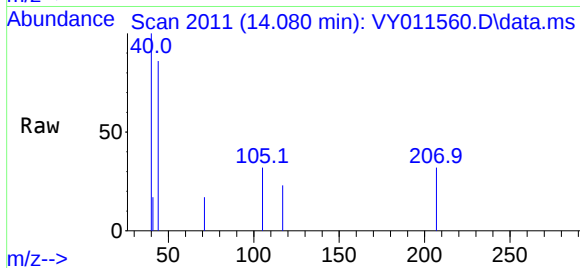




#90
Hexachloroethane
Concen: 1.452 ug/l
RT: 14.080 min Scan# 2011
Delta R.T. 0.115 min
Lab File: VY011560.D
Acq: 22 Nov 2022 19:54

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:117 Resp: 31
Ion Ratio Lower Upper
117 100
201 0.0 43.0 128.8#



#95
Naphthalene
Concen: 6.698 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.006 min
Lab File: VY011560.D
Acq: 22 Nov 2022 19:54

Tgt Ion:128 Resp: 165
Ion Ratio Lower Upper
128 100
127 0.0 11.0 16.4#
129 0.0 8.4 12.6#

