

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102422\
 Data File : VY011075.D
 Acq On : 24 Oct 2022 17:29
 Operator : KP/MD
 Sample : N5253-07
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 124019

Quant Time: Oct 25 05:47:33 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101722S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 18 01:42:42 2022
 Response via : Initial Calibration

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

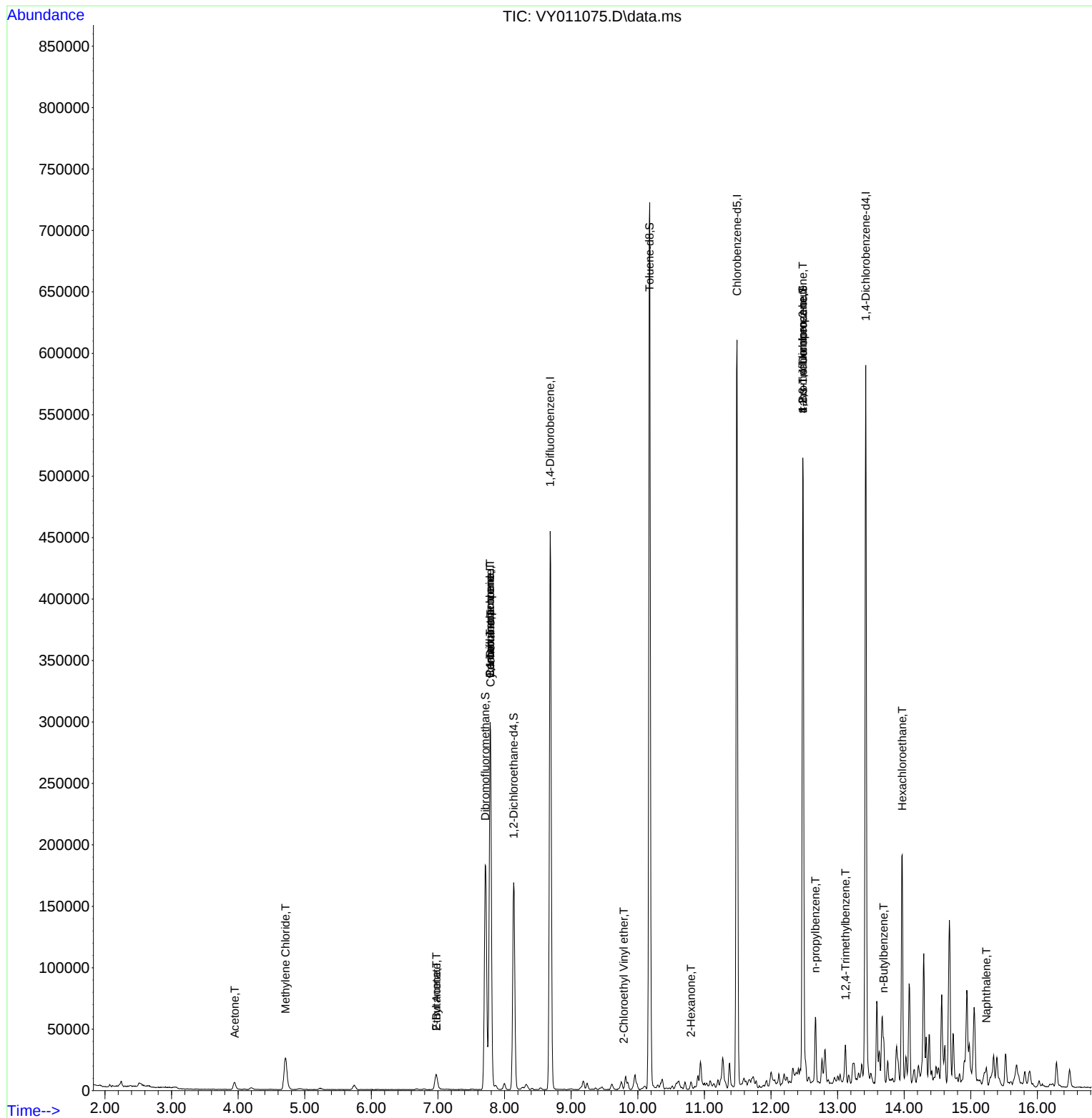
Internal Standards						
1) Pentafluorobenzene	7.783	168	234446	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	394994	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	340377	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	146438	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	130234	60.305	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 120.600%		
35) Dibromofluoromethane	7.710	113	134905	61.778	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 123.560%		
50) Toluene-d8	10.179	98	475636	57.670	ug/l	0.00
Spiked Amount	50.000	Range 49 - 140	Recovery	= 115.340%		
62) 4-Bromofluorobenzene	12.477	95	154393	53.034	ug/l	0.00
Spiked Amount	50.000	Range 25 - 144	Recovery	= 106.060%		
Target Compounds						
						Qvalue
11) Tert butyl alcohol	4.912	59	605	Below Cal	#	77
16) Acetone	3.948	43	10275	16.384	ug/l #	83
18) Methyl Acetate	4.473	43	304	Below Cal	#	72
20) Methylene Chloride	4.710	84	20603	1.398	ug/l	88
25) 2-Butanone	6.978	43	3136	3.297	ug/l	99
31) Cyclohexane	7.789	56	5135	1.243	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	17589	4.783	ug/l #	50
37) Ethyl Acetate	6.978	43	3136	1.540	ug/l #	81
38) Carbon Tetrachloride	7.783	117	23120	6.091	ug/l #	16
58) 2-Chloroethyl Vinyl ether	9.789	63	22	16.975	ug/l #	48
59) 2-Hexanone	10.801	43	2349	1.686	ug/l #	32
76) 1,2,3-Trichloropropane	12.477	75	77735	46.757	ug/l #	100
78) n-propylbenzene	12.666	91	40982	3.166	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.477	75	77735	100.561	ug/l #	7
84) 1,2,4-Trimethylbenzene	13.117	105	16111	1.841	ug/l	98
89) n-Butylbenzene	13.690	91	22599	2.527	ug/l #	69
90) Hexachloroethane	13.971	117	9097	4.817	ug/l #	6
95) Naphthalene	15.233	128	8705	1.611	ug/l #	90

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

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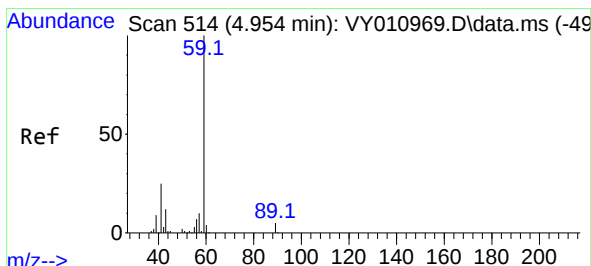
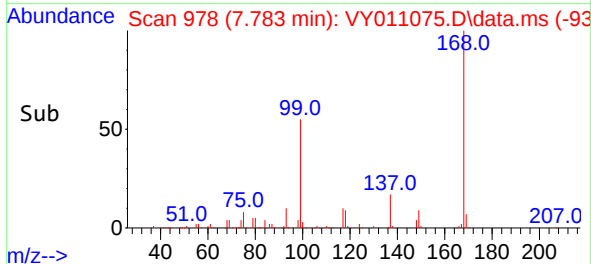
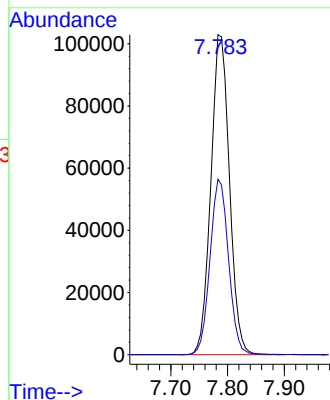
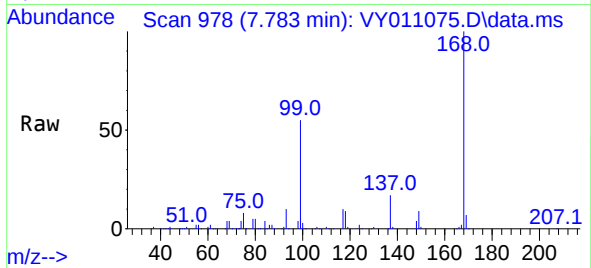




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY011075.D
Acq: 24 Oct 2022 17:29

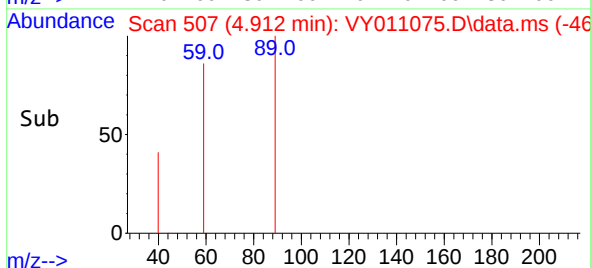
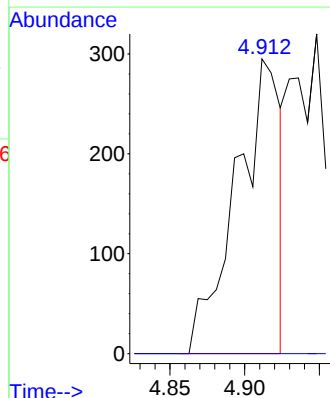
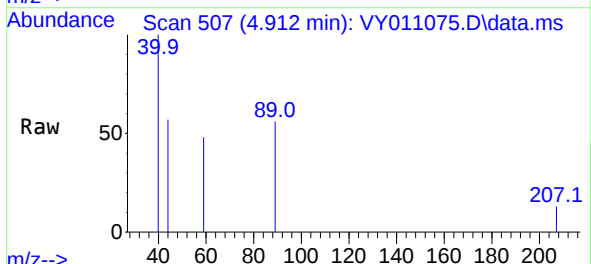
Instrument :
MSVOA_Y
ClientSampleId :
124019

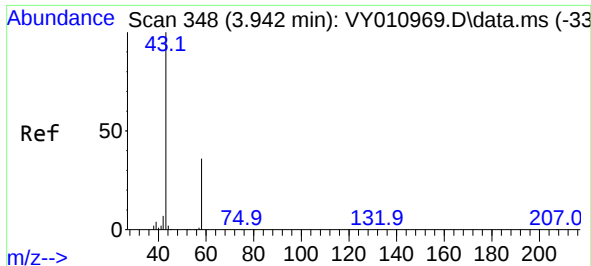
Tgt Ion:168 Resp: 234446
Ion Ratio Lower Upper
168 100
99 54.8 46.9 70.3



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.912 min Scan# 507
Delta R.T. -0.042 min
Lab File: VY011075.D
Acq: 24 Oct 2022 17:29

Tgt Ion: 59 Resp: 605
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

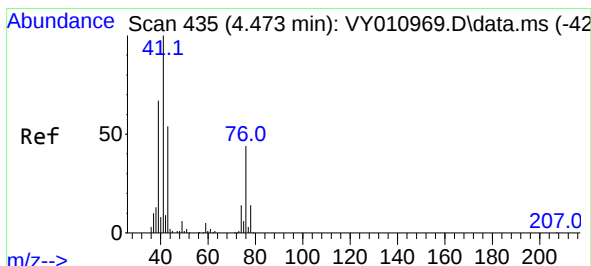
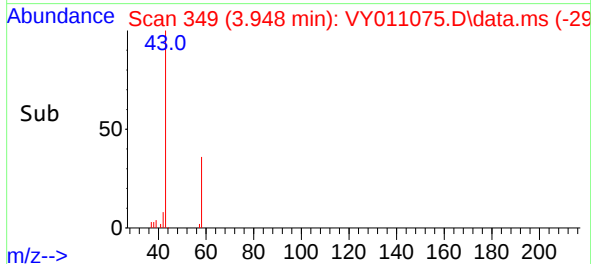
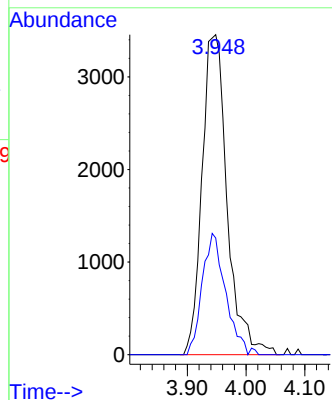
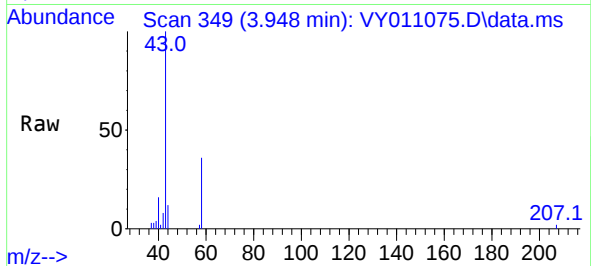




#16
Acetone
Concen: 16.384 ug/l
RT: 3.948 min Scan# 348
Delta R.T. 0.006 min
Lab File: VY011075.D
Acq: 24 Oct 2022 17:29

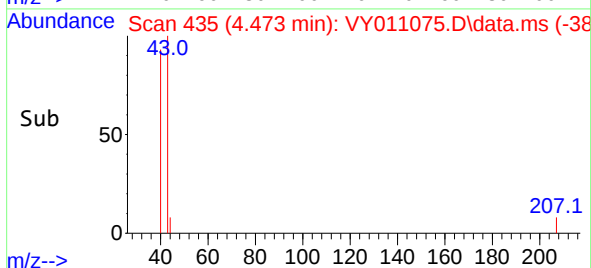
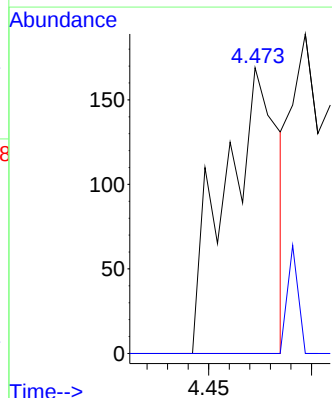
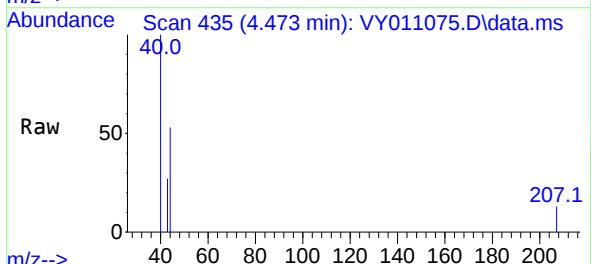
Instrument :
MSVOA_Y
ClientSampleId :
124019

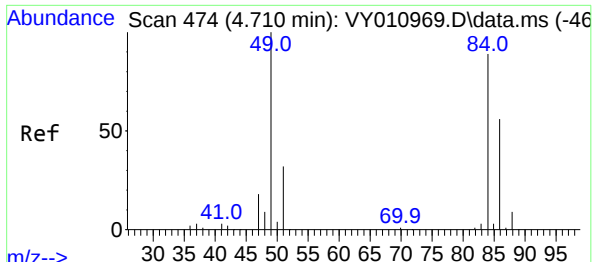
Tgt Ion: 43 Resp: 10275
Ion Ratio Lower Upper
43 100
58 36.4 22.0 33.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.473 min Scan# 435
Delta R.T. -0.000 min
Lab File: VY011075.D
Acq: 24 Oct 2022 17:29

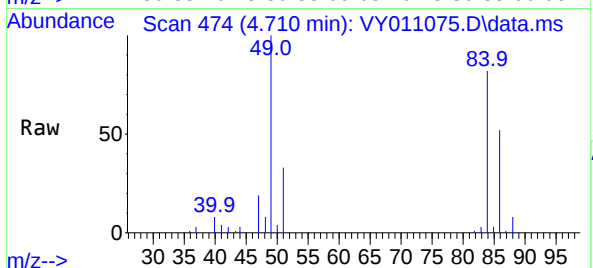
Tgt Ion: 43 Resp: 304
Ion Ratio Lower Upper
43 100
74 7.6 16.6 24.8#





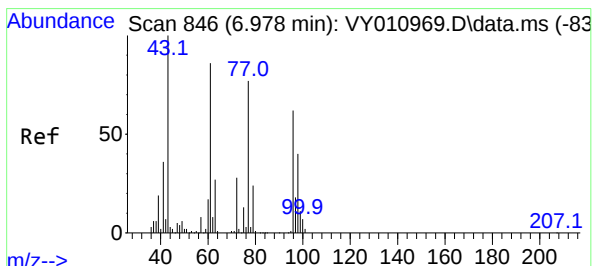
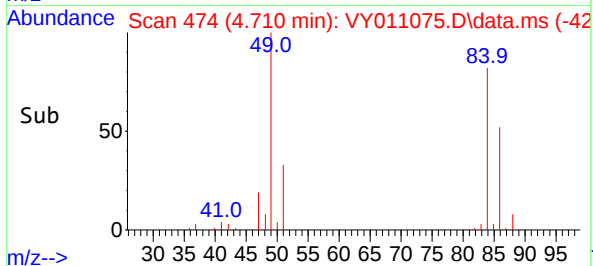
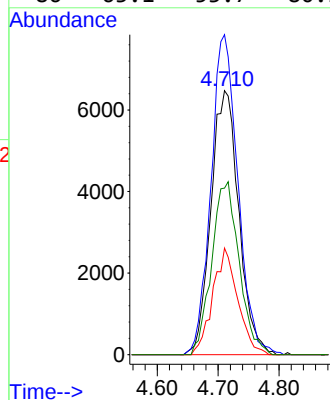
#20
Methylene Chloride
Concen: 1.398 ug/l
RT: 4.710 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY011075.D
Acq: 24 Oct 2022 17:29

Instrument :
MSVOA_Y
ClientSampleId :
124019



Tgt Ion: 84 Resp: 20603

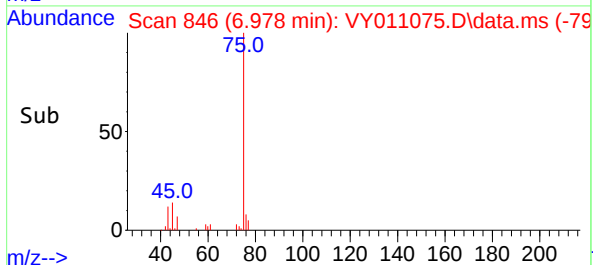
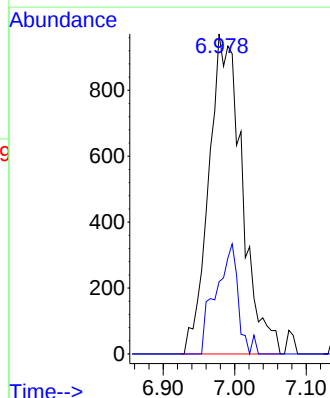
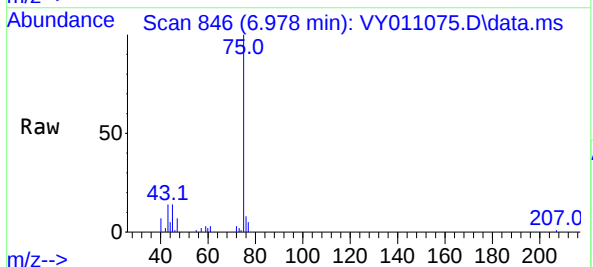
Ion	Ratio	Lower	Upper
84	100		
49	121.2	114.4	171.6
51	40.4	35.3	52.9
86	63.1	53.7	80.5

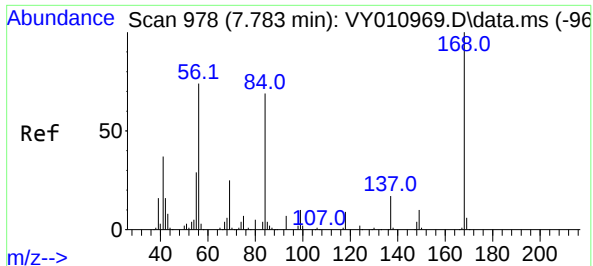


#25
2-Butanone
Concen: 3.297 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY011075.D
Acq: 24 Oct 2022 17:29

Tgt Ion: 43 Resp: 3136

Ion	Ratio	Lower	Upper
43	100		
72	22.6	17.7	26.5

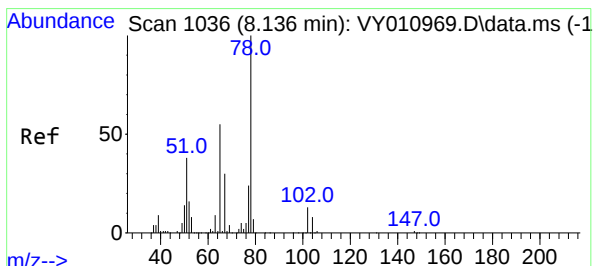
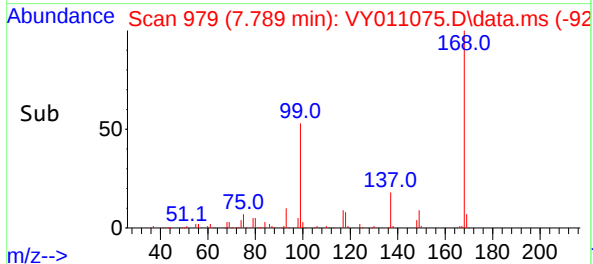
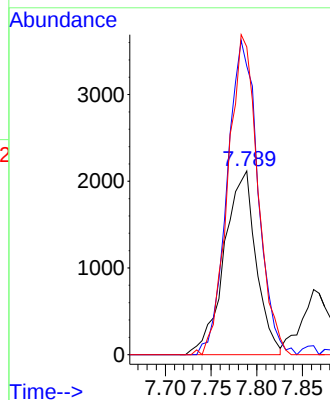
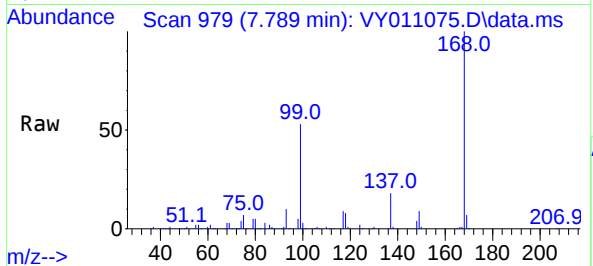




#31
Cyclohexane
Concen: 1.243 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY011075.D
Acq: 24 Oct 2022 17:29

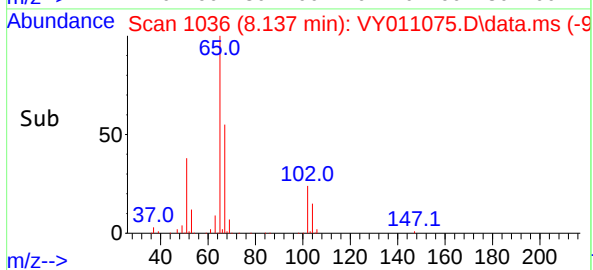
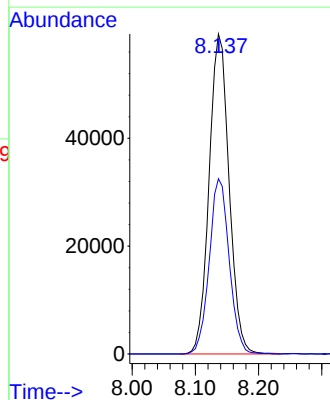
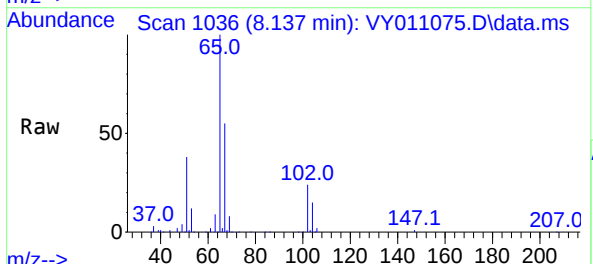
Instrument :
MSVOA_Y
ClientSampleId :
124019

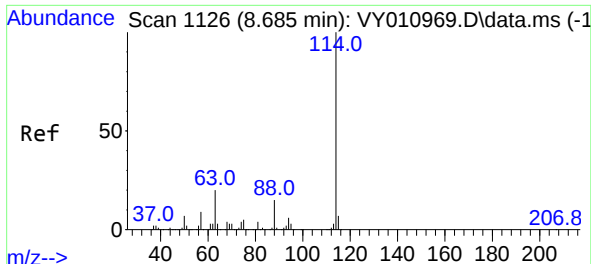
Tgt Ion: 56 Resp: 5135
Ion Ratio Lower Upper
56 100
69 157.2 26.7 40.1#
84 167.6 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 60.305 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. 0.001 min
Lab File: VY011075.D
Acq: 24 Oct 2022 17:29

Tgt Ion: 65 Resp: 130234
Ion Ratio Lower Upper
65 100
67 54.6 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY011075.D

Acq: 24 Oct 2022 17:29

Instrument :

MSVOA_Y

ClientSampleId :

124019

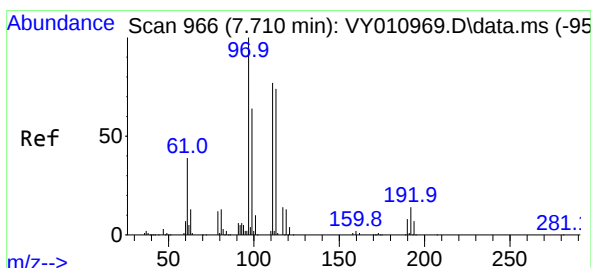
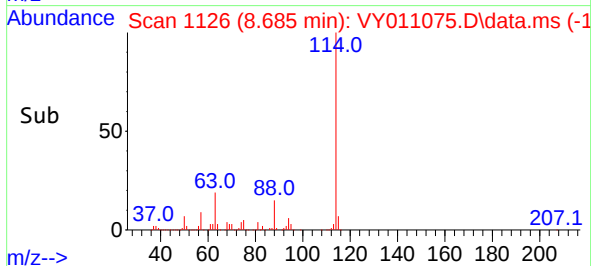
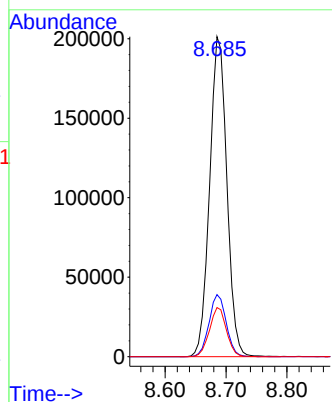
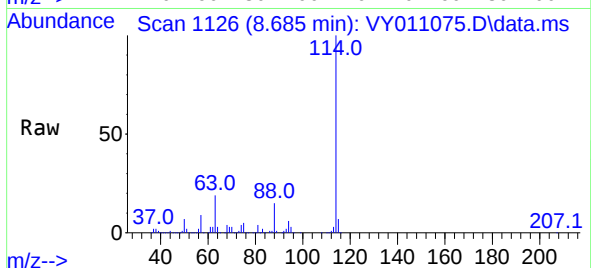
Tgt Ion:114 Resp: 394994

Ion Ratio Lower Upper

114 100

63 19.4 0.0 43.2

88 15.4 0.0 31.8



#35

Dibromofluoromethane

Concen: 61.778 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.000 min

Lab File: VY011075.D

Acq: 24 Oct 2022 17:29

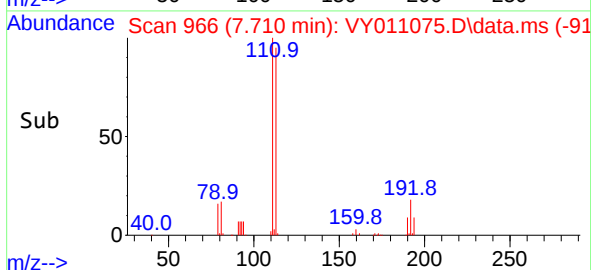
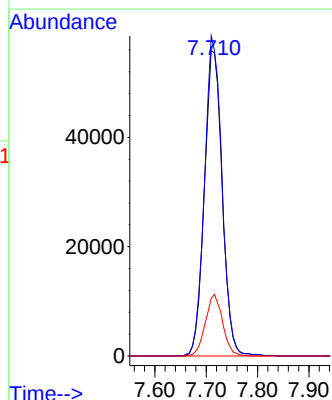
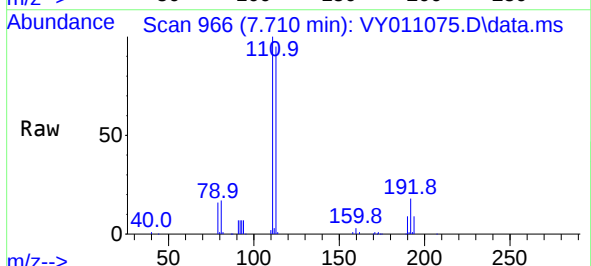
Tgt Ion:113 Resp: 134905

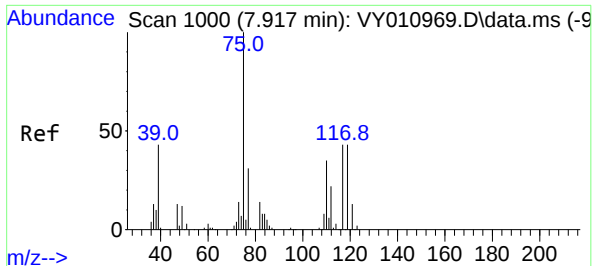
Ion Ratio Lower Upper

113 100

111 102.8 82.6 124.0

192 19.4 17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.783 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY011075.D

Acq: 24 Oct 2022 17:29

Instrument :

MSVOA_Y

ClientSampleId :

124019

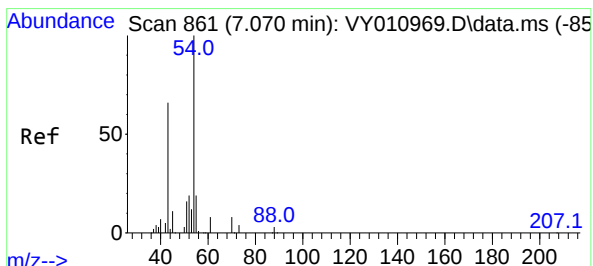
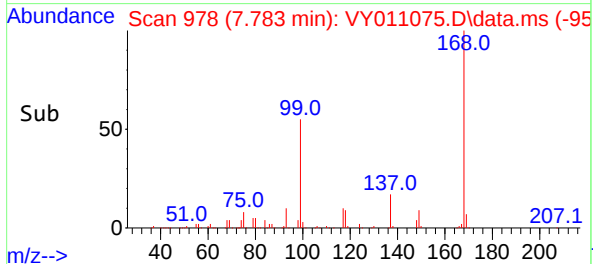
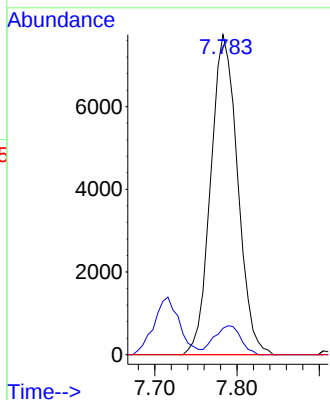
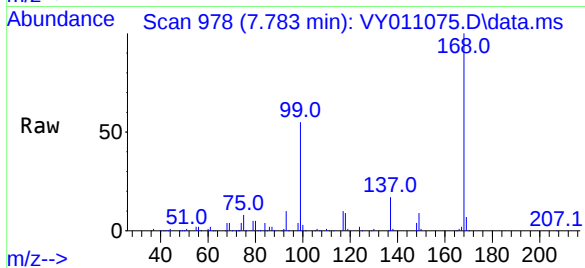
Tgt Ion: 75 Resp: 17589

Ion Ratio Lower Upper

75 100

110 8.8 17.1 51.2#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 1.540 ug/l

RT: 6.978 min Scan# 846

Delta R.T. -0.092 min

Lab File: VY011075.D

Acq: 24 Oct 2022 17:29

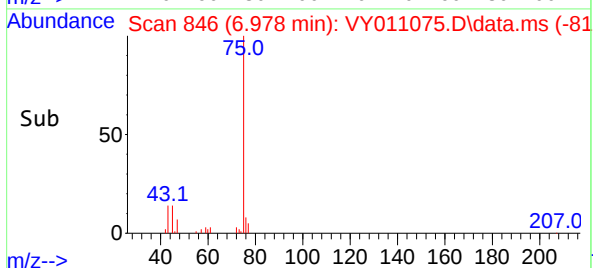
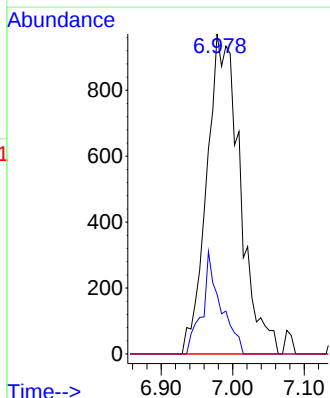
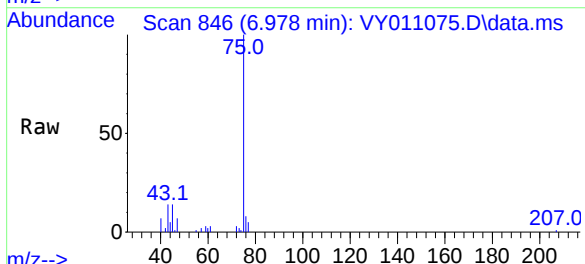
Tgt Ion: 43 Resp: 3136

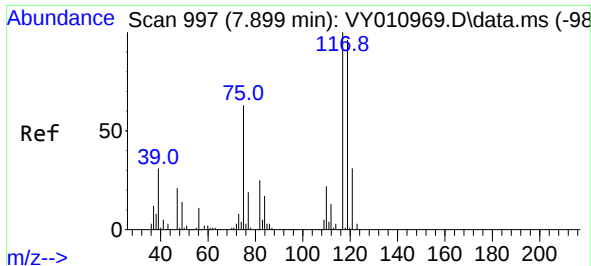
Ion Ratio Lower Upper

43 100

61 18.0 9.7 14.5#

70 0.0 7.1 10.7#

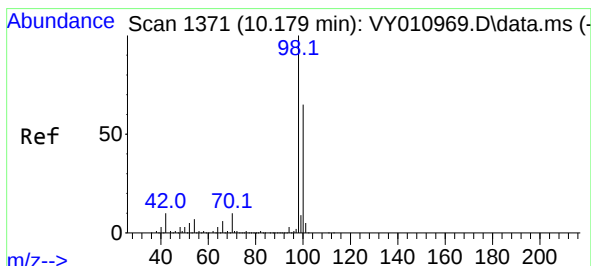
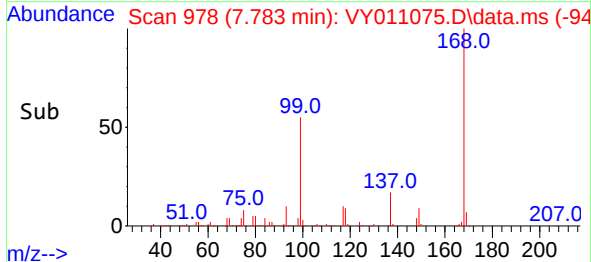
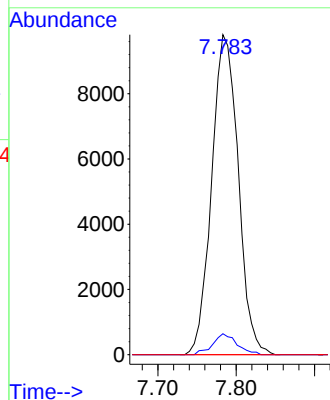
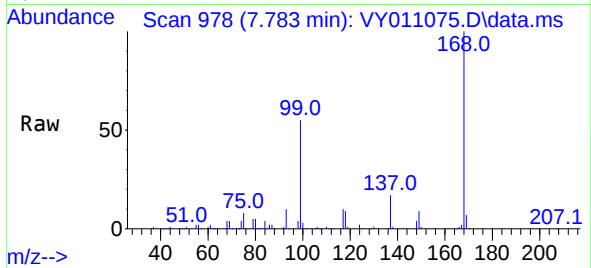




#38
Carbon Tetrachloride
Concen: 6.091 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY011075.D
Acq: 24 Oct 2022 17:29

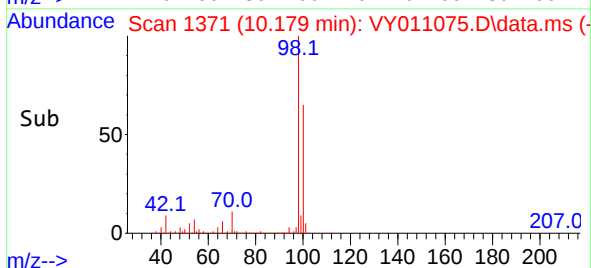
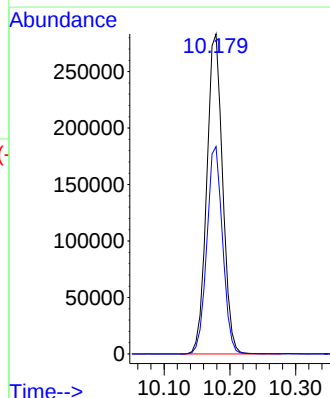
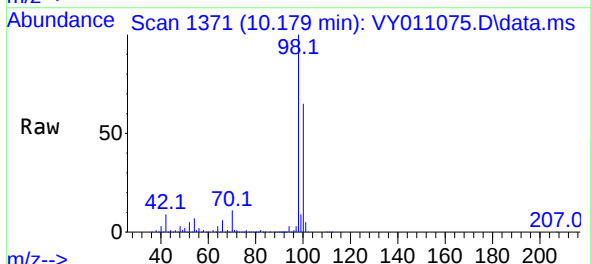
Instrument :
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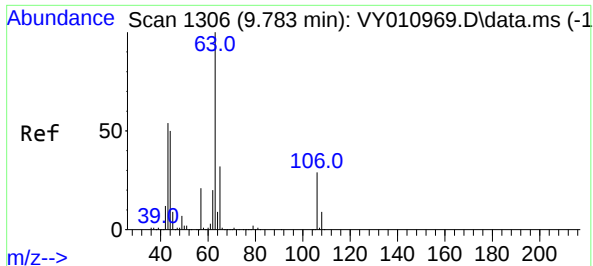
Tgt Ion:117 Resp: 23120
Ion Ratio Lower Upper
117 100
119 6.6 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 57.670 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011075.D
Acq: 24 Oct 2022 17:29

Tgt Ion: 98 Resp: 475636
Ion Ratio Lower Upper
98 100
100 64.2 50.2 75.2

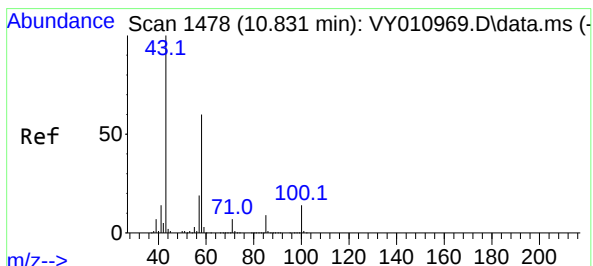
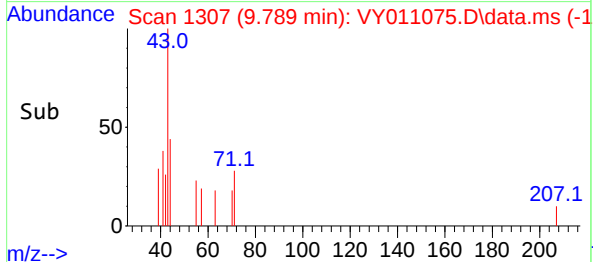
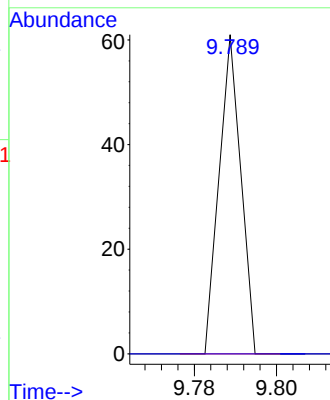
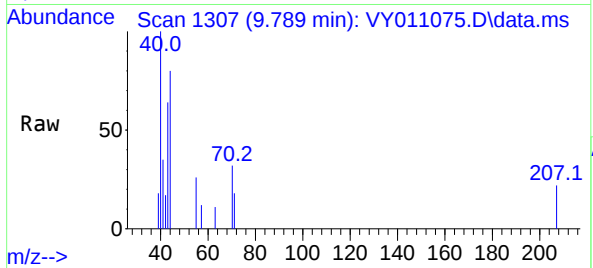




#58
2-Chloroethyl Vinyl ether
Concen: 16.975 ug/l
RT: 9.789 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY011075.D
Acq: 24 Oct 2022 17:29

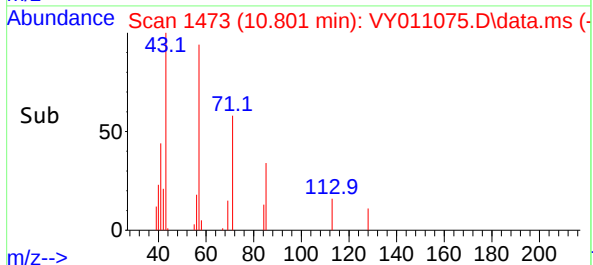
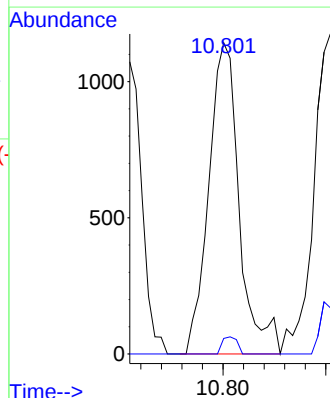
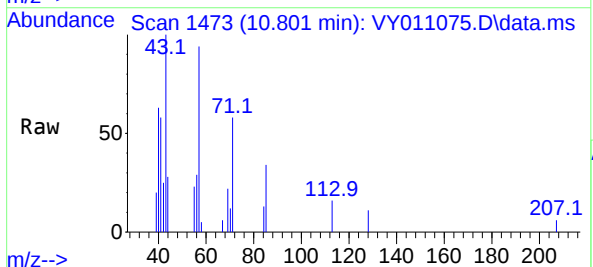
Instrument :
MSVOA_Y
ClientSampleId :
124019

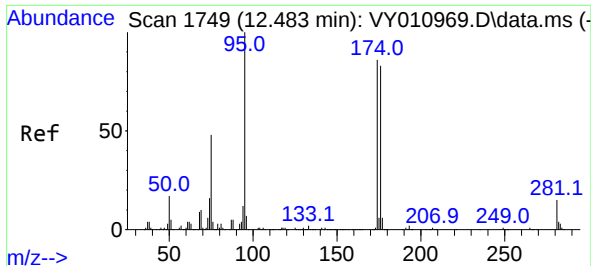
Tgt Ion: 63 Resp: 22
Ion Ratio Lower Upper
63 100
106 0.0 21.5 32.3#



#59
2-Hexanone
Concen: 1.686 ug/l
RT: 10.801 min Scan# 1473
Delta R.T. -0.030 min
Lab File: VY011075.D
Acq: 24 Oct 2022 17:29

Tgt Ion: 43 Resp: 2349
Ion Ratio Lower Upper
43 100
58 2.7 24.4 73.4#

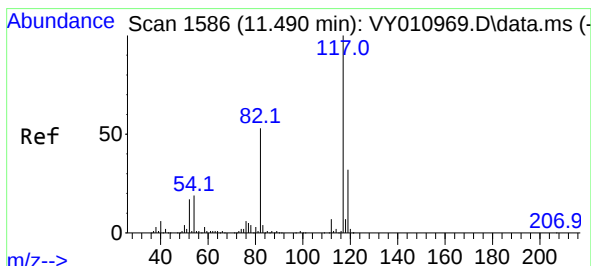
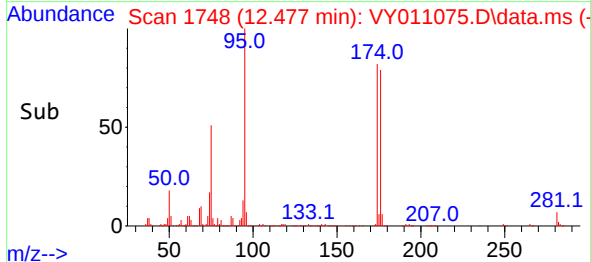
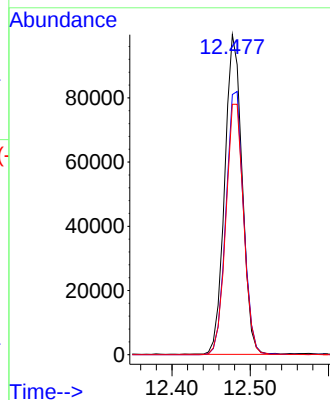
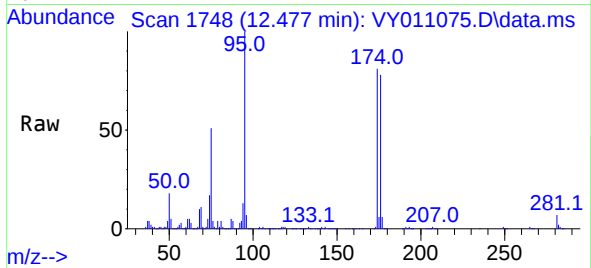




#62
4-Bromofluorobenzene
Concen: 53.034 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY011075.D
Acq: 24 Oct 2022 17:29

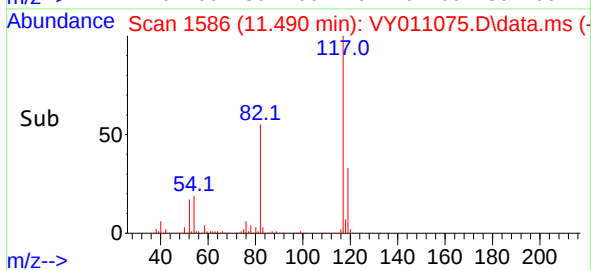
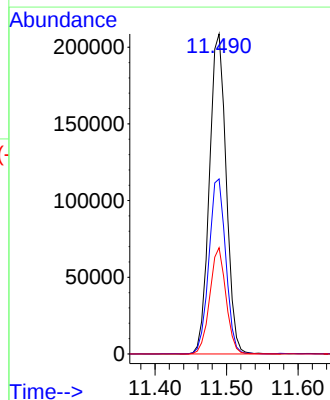
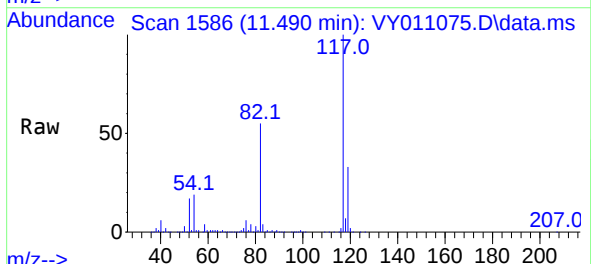
Instrument :
MSVOA_Y
ClientSampleId :
124019

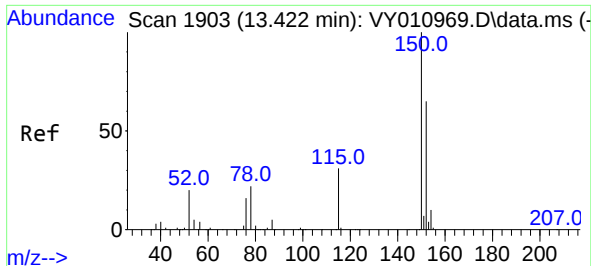
Tgt Ion: 95 Resp: 154393
Ion Ratio Lower Upper
95 100
174 83.0 0.0 177.0
176 80.0 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY011075.D
Acq: 24 Oct 2022 17:29

Tgt Ion: 117 Resp: 340377
Ion Ratio Lower Upper
117 100
82 54.6 43.0 64.4
119 33.2 25.4 38.0

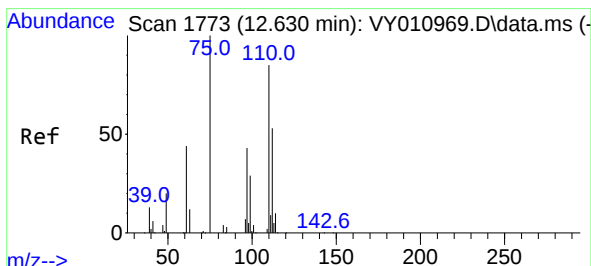
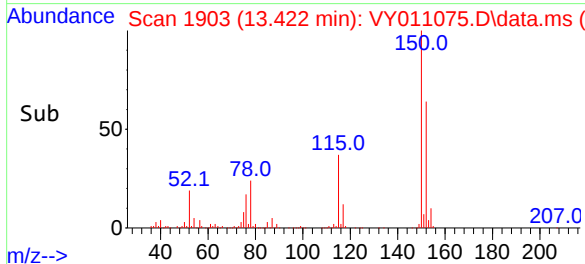
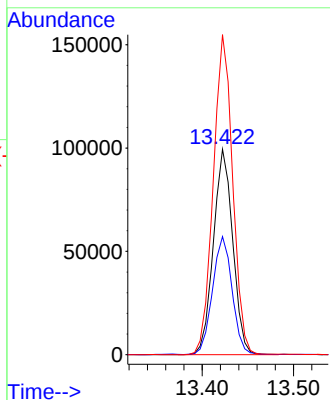
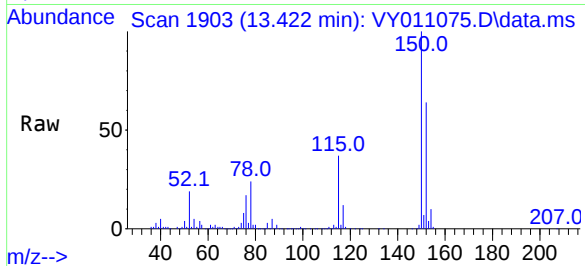




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. 0.000 min
 Lab File: VY011075.D
 Acq: 24 Oct 2022 17:29

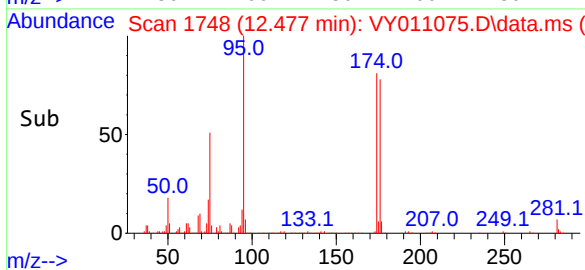
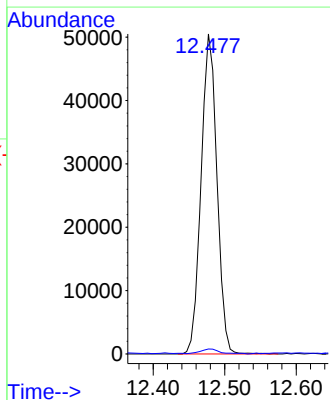
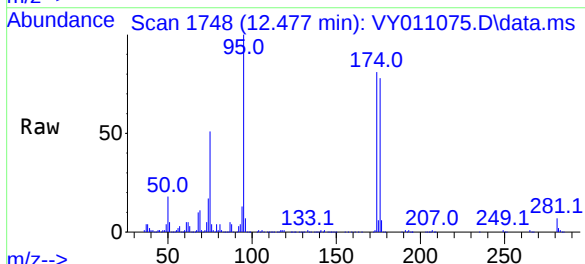
Instrument :
 MSVOA_Y
 ClientSampleId :
 124019

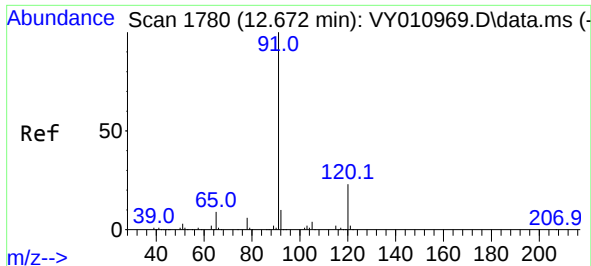
Tgt Ion:152 Resp: 146438
 Ion Ratio Lower Upper
 152 100
 115 58.0 28.2 84.7
 150 156.3 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 46.757 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.153 min
 Lab File: VY011075.D
 Acq: 24 Oct 2022 17:29

Tgt Ion: 75 Resp: 77735
 Ion Ratio Lower Upper
 75 100
 77 1.9 0.0 0.0#

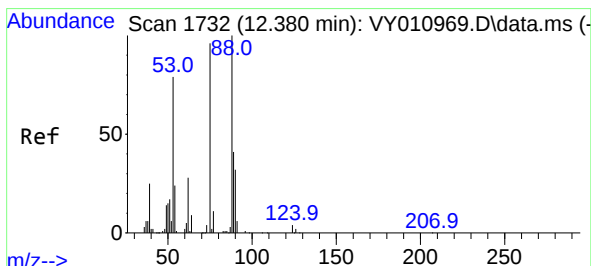
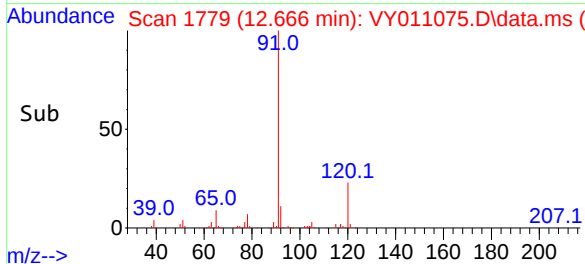
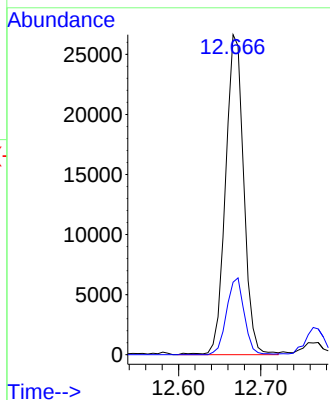
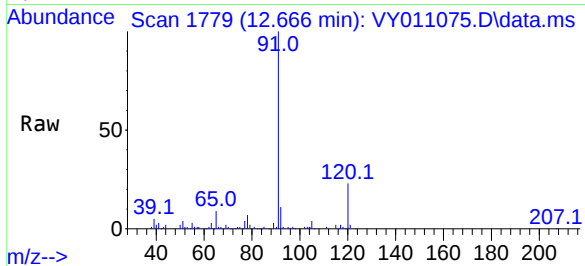




#78
n-propylbenzene
Concen: 3.166 ug/l
RT: 12.666 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY011075.D
Acq: 24 Oct 2022 17:29

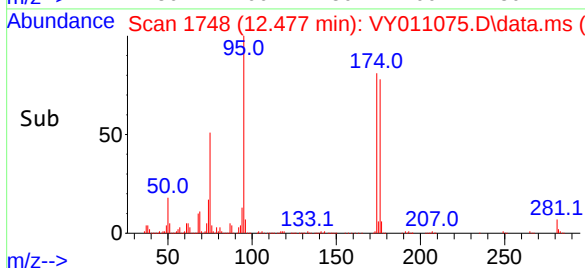
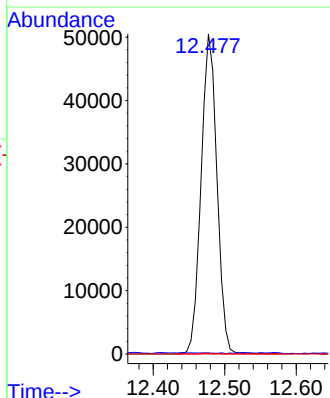
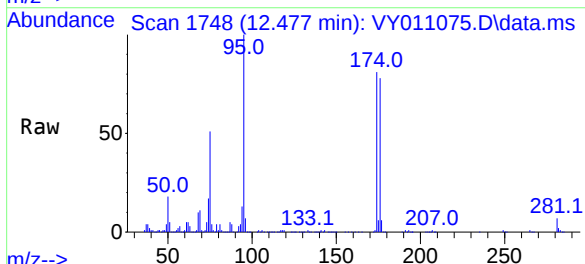
Instrument :
MSVOA_Y
ClientSampleId :
124019

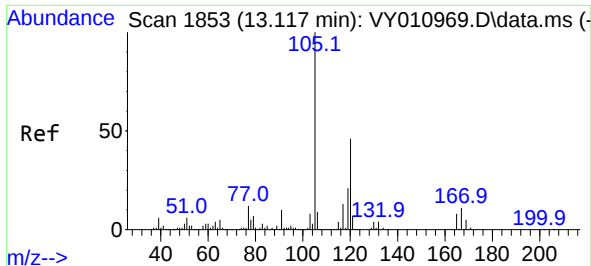
Tgt Ion: 91 Resp: 40982
Ion Ratio Lower Upper
91 100
120 23.3 11.3 33.9



#81
trans-1,4-Dichloro-2-butene
Concen: 100.561 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.097 min
Lab File: VY011075.D
Acq: 24 Oct 2022 17:29

Tgt Ion: 75 Resp: 77735
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.2 37.0 55.4#

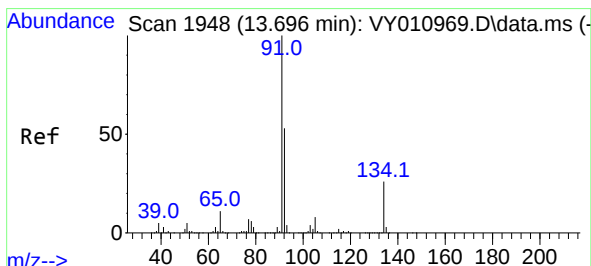
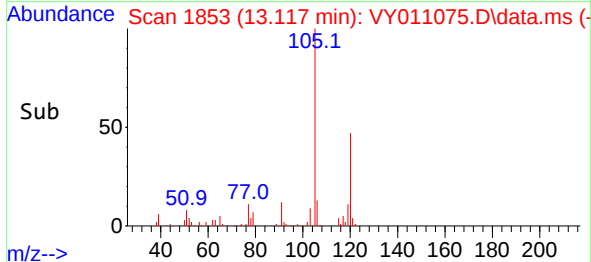
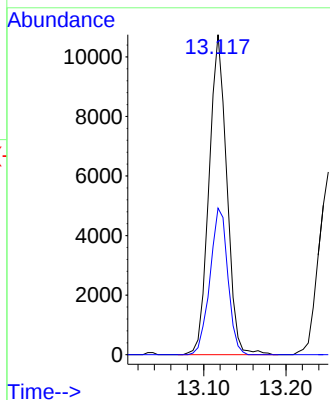
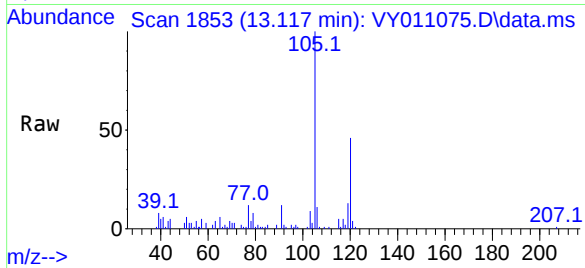




#84
1,2,4-Trimethylbenzene
Concen: 1.841 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VY011075.D
Acq: 24 Oct 2022 17:29

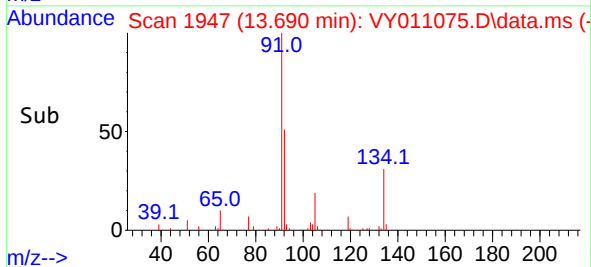
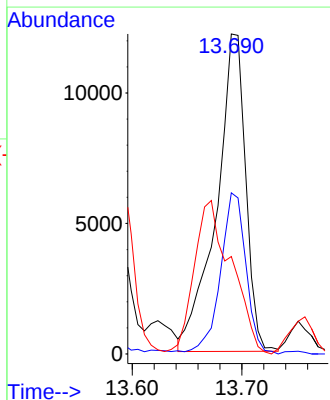
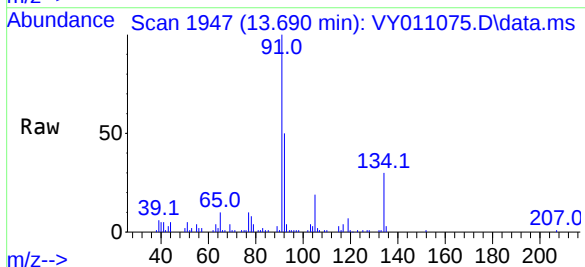
Instrument :
MSVOA_Y
ClientSampleId :
124019

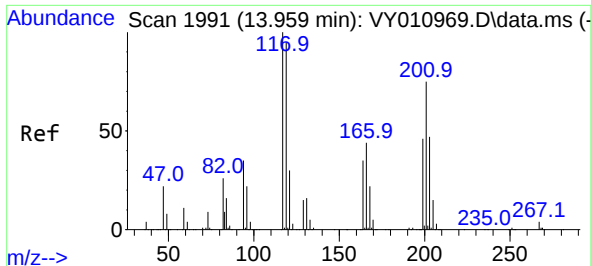
Tgt Ion:105 Resp: 16111
Ion Ratio Lower Upper
105 100
120 46.0 22.3 66.9



#89
n-Butylbenzene
Concen: 2.527 ug/l
RT: 13.690 min Scan# 1947
Delta R.T. -0.006 min
Lab File: VY011075.D
Acq: 24 Oct 2022 17:29

Tgt Ion: 91 Resp: 22599
Ion Ratio Lower Upper
91 100
92 44.2 26.3 78.9
134 61.6 13.0 38.9#

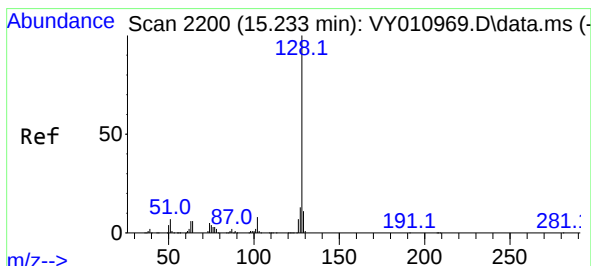
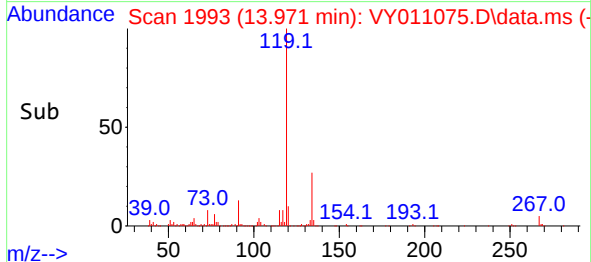
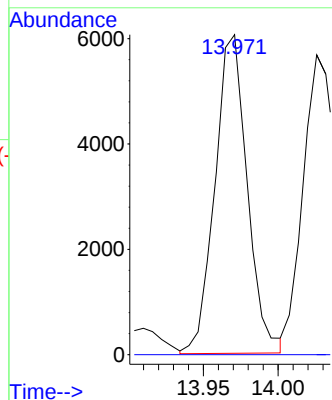
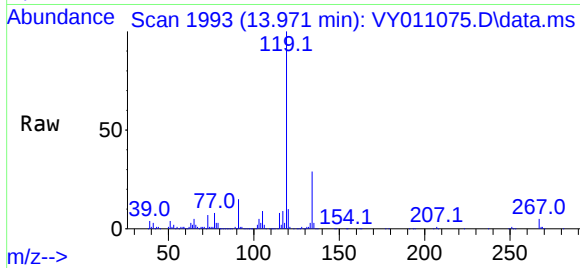




#90
Hexachloroethane
Concen: 4.817 ug/l
RT: 13.971 min Scan# 1993
Delta R.T. 0.012 min
Lab File: VY011075.D
Acq: 24 Oct 2022 17:29

Instrument :
MSVOA_Y
ClientSampleId :
124019

Tgt Ion:117 Resp: 9097
Ion Ratio Lower Upper
117 100
201 0.0 43.0 128.8#



#95
Naphthalene
Concen: 1.611 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.000 min
Lab File: VY011075.D
Acq: 24 Oct 2022 17:29

Tgt Ion:128 Resp: 8705
Ion Ratio Lower Upper
128 100
127 18.5 11.0 16.4#
129 13.6 8.4 12.6#

