

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112122\
 Data File : VY011535.D
 Acq On : 21 Nov 2022 19:31
 Operator : KP/MD
 Sample : N5723-01
 Misc : 4.99g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 22 01:47:40 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)

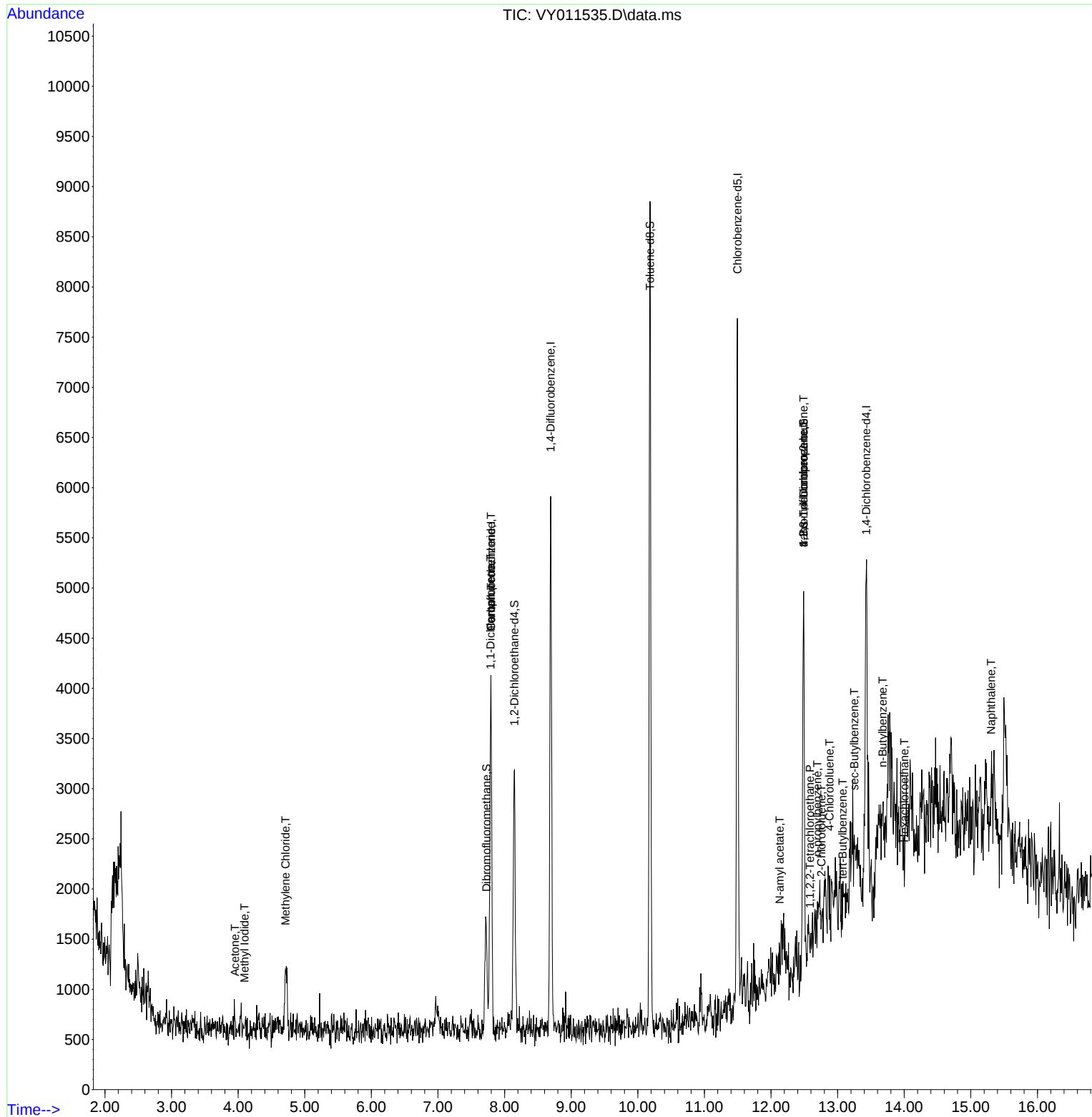
Internal Standards						
1) Pentafluorobenzene	7.795	168	2876	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	4913	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	4145	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	765	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	2117	72.493	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 144.980%	
35) Dibromofluoromethane	7.728	113	907	29.989	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 59.980%	
50) Toluene-d8	10.185	98	5624	51.172	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 102.340%	
62) 4-Bromofluorobenzene	12.489	95	1551	38.169	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 76.340%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	89	Below Cal	#	44
10) Methyl Iodide	4.094	142	233	7.248	ug/l #	35
16) Acetone	3.954	43	72	7.590	ug/l #	47
20) Methylene Chloride	4.710	84	428	1.589	ug/l #	62
36) 1,1-Dichloropropene	7.789	75	176	3.723	ug/l #	42
38) Carbon Tetrachloride	7.795	117	283	5.351	ug/l #	11
74) N-amyl acetate	12.130	43	56	4.099	ug/l #	47
75) 1,1,2,2-Tetrachloroethane	12.587	83	21	1.926	ug/l #	26
76) 1,2,3-Trichloropropane	12.489	75	660	80.111	ug/l #	100
78) n-propylbenzene	12.697	91	126	1.867	ug/l #	53
79) 2-Chlorotoluene	12.757	91	160	4.206	ug/l #	41
81) trans-1,4-Dichloro-2-b...	12.489	75	660	175.471	ug/l #	7
82) 4-Chlorotoluene	12.879	91	197	4.952	ug/l #	41
83) tert-Butylbenzene	13.074	119	51	1.255	ug/l #	1
85) sec-Butylbenzene	13.251	105	64	1.056	ug/l #	56
89) n-Butylbenzene	13.678	91	77	1.656	ug/l #	33
90) Hexachloroethane	14.001	117	22	2.154	ug/l #	6
95) Naphthalene	15.306	128	29	5.004	ug/l #	69

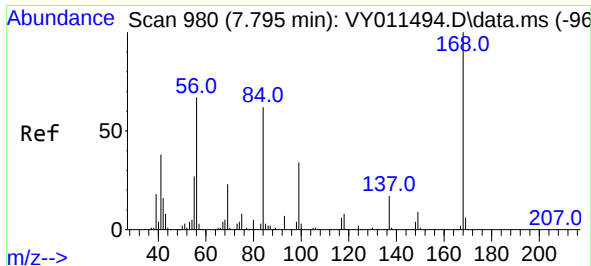
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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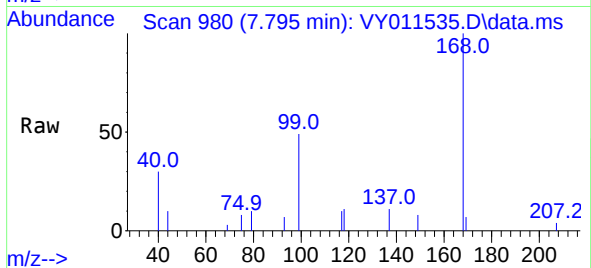
Quant Time: Nov 22 01:47:40 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111822S.M
Quant Title : SW846 8260
QLast Update : Sat Nov 19 22:37:14 2022
Response via : Initial Calibration



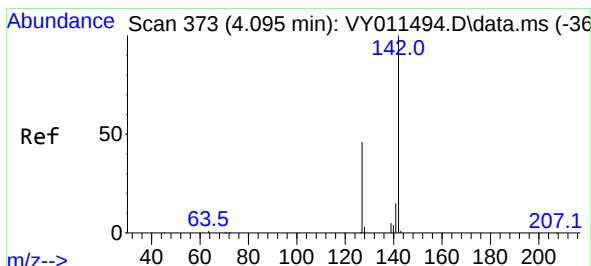
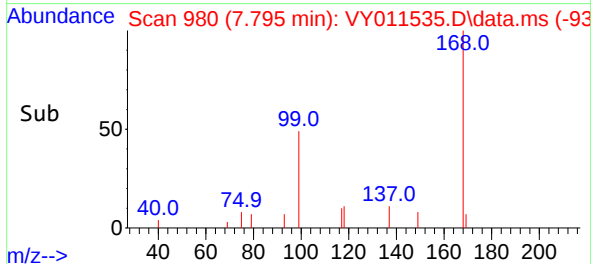
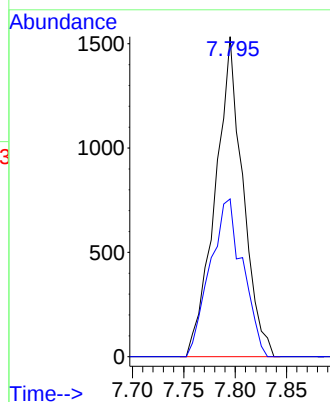


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011535.D
Acq: 21 Nov 2022 19:31

Instrument :
MSVOA_Y
ClientSampleId :

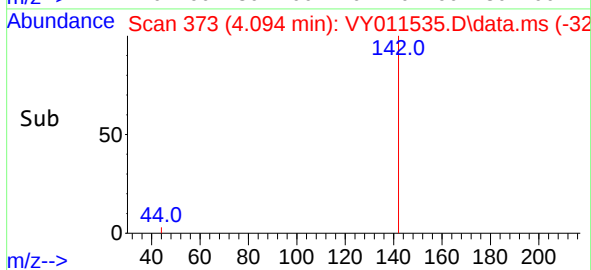
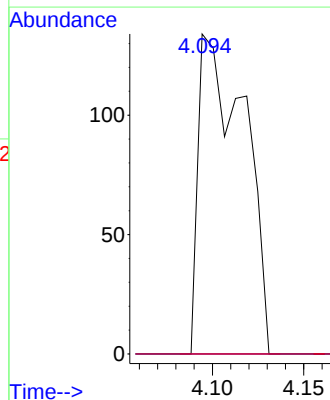
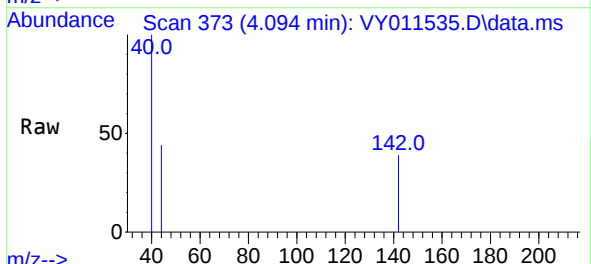


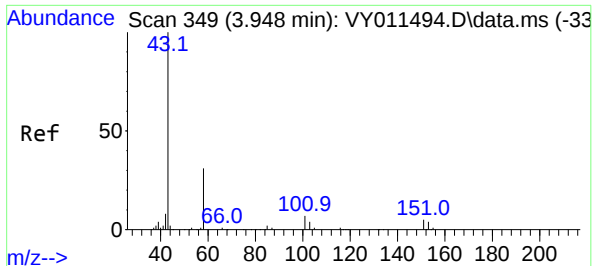
Tgt Ion:168 Resp: 2876
Ion Ratio Lower Upper
168 100
99 49.3 46.9 70.3



#10
Methyl Iodide
Concen: 7.248 ug/l
RT: 4.094 min Scan# 373
Delta R.T. -0.001 min
Lab File: VY011535.D
Acq: 21 Nov 2022 19:31

Tgt Ion:142 Resp: 233
Ion Ratio Lower Upper
142 100
127 0.0 41.5 62.3#
141 0.0 11.9 17.9#

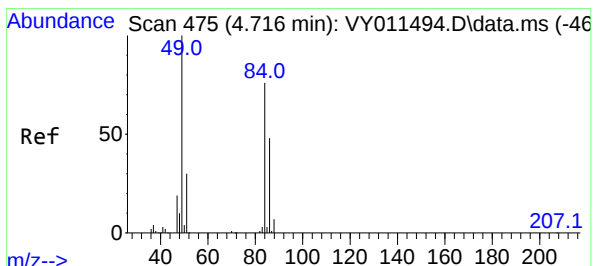
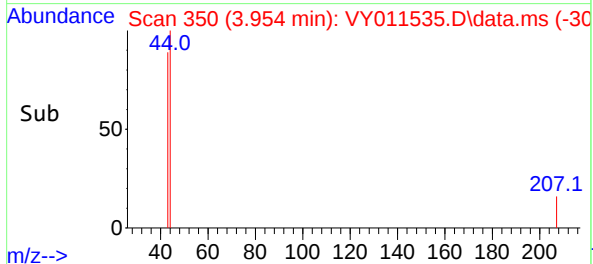
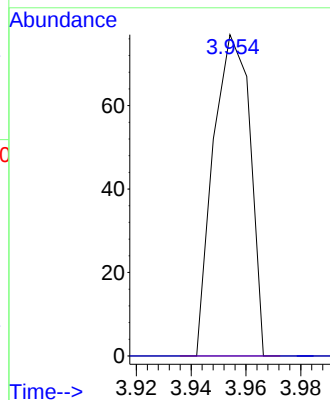
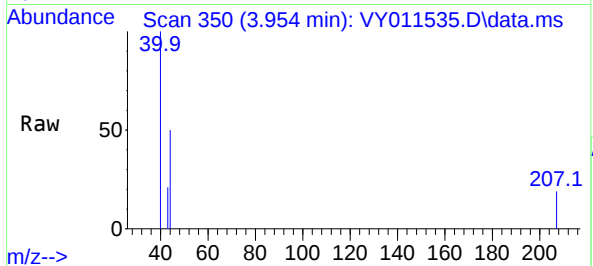




#16
Acetone
Concen: 7.590 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY011535.D
Acq: 21 Nov 2022 19:31

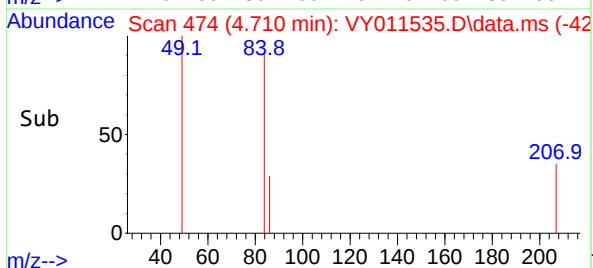
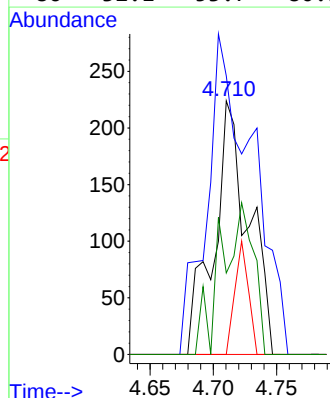
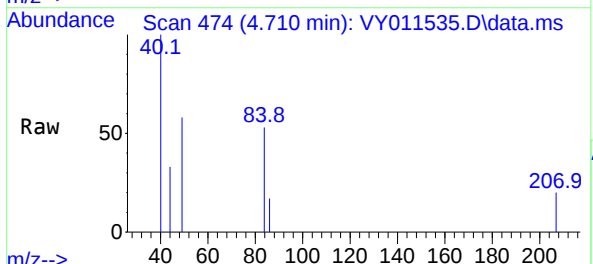
Instrument :
MSVOA_Y
ClientSampleId :

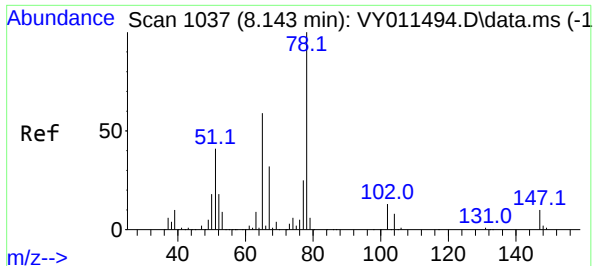
Tgt Ion: 43 Resp: 72
Ion Ratio Lower Upper
43 100
58 0.0 22.0 33.0#



#20
Methylene Chloride
Concen: 1.589 ug/l
RT: 4.710 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY011535.D
Acq: 21 Nov 2022 19:31

Tgt Ion: 84 Resp: 428
Ion Ratio Lower Upper
84 100
49 109.8 114.4 171.6#
51 0.0 35.3 52.9#
86 32.1 53.7 80.5#





#33

1,2-Dichloroethane-d4

Concen: 72.493 ug/l

RT: 8.149 min Scan# 1037

Delta R.T. 0.006 min

Lab File: VY011535.D

Acq: 21 Nov 2022 19:31

Instrument :

MSVOA_Y

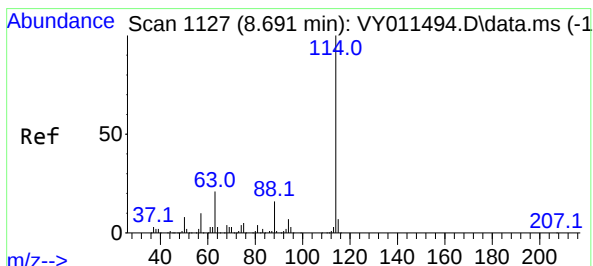
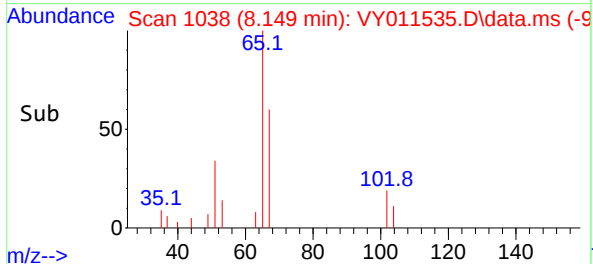
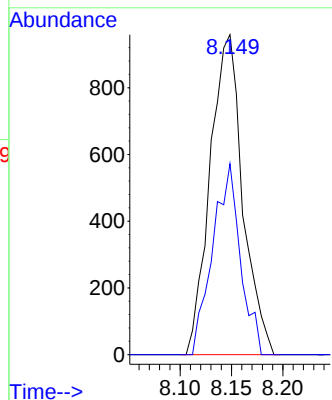
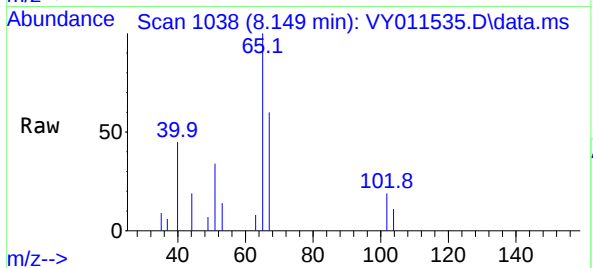
ClientSampleId :

Tgt Ion: 65 Resp: 2117

Ion Ratio Lower Upper

65 100

67 50.5 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: VY011535.D

Acq: 21 Nov 2022 19:31

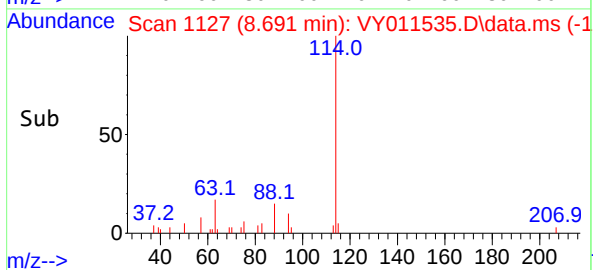
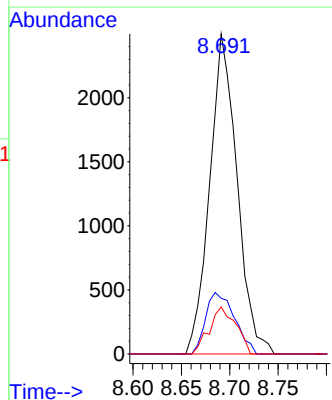
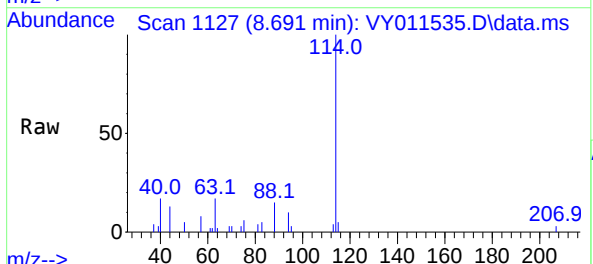
Tgt Ion: 114 Resp: 4913

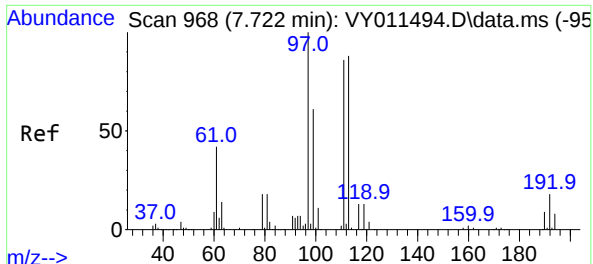
Ion Ratio Lower Upper

114 100

63 17.4 0.0 43.2

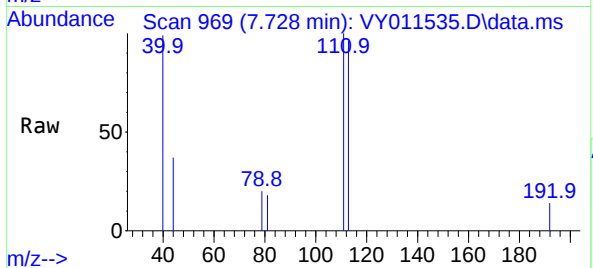
88 14.7 0.0 31.8



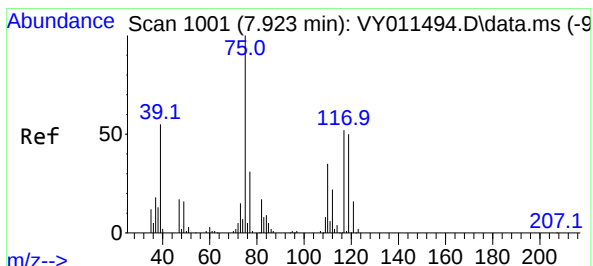
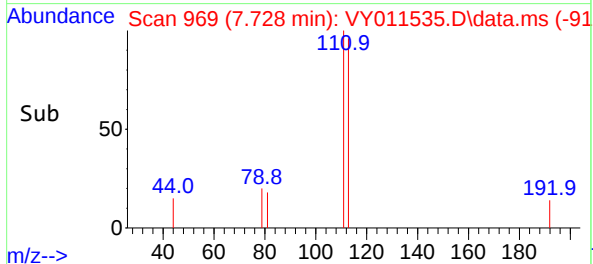
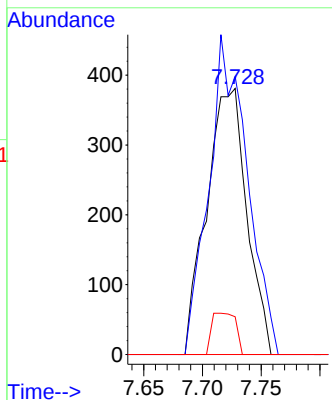


#35
Dibromofluoromethane
Concen: 29.989 ug/l
RT: 7.728 min Scan# 907
Delta R.T. 0.006 min
Lab File: VY011535.D
Acq: 21 Nov 2022 19:31

Instrument :
MSVOA_Y
ClientSampleId :

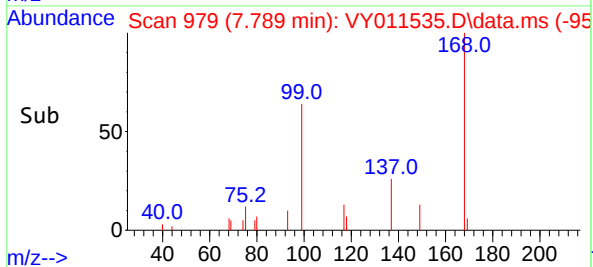
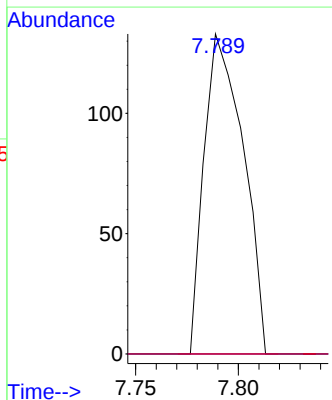
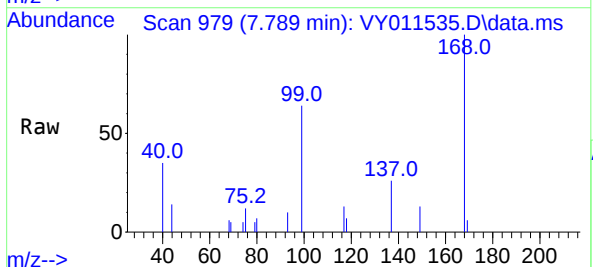


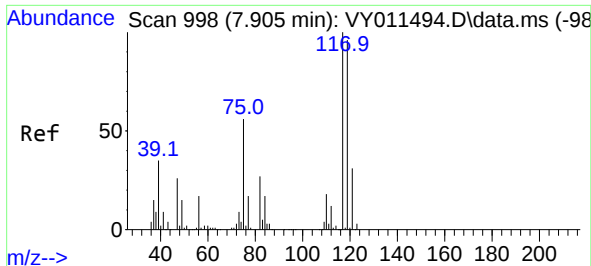
Tgt Ion:113 Resp: 907
Ion Ratio Lower Upper
113 100
111 114.4 82.6 124.0
192 9.3 17.6 26.4#



#36
1,1-Dichloropropene
Concen: 3.723 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.134 min
Lab File: VY011535.D
Acq: 21 Nov 2022 19:31

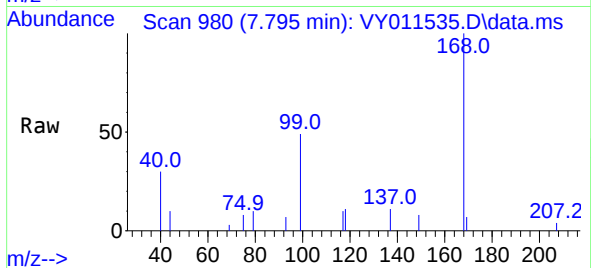
Tgt Ion: 75 Resp: 176
Ion Ratio Lower Upper
75 100
110 0.0 17.1 51.2#
77 0.0 24.4 36.6#



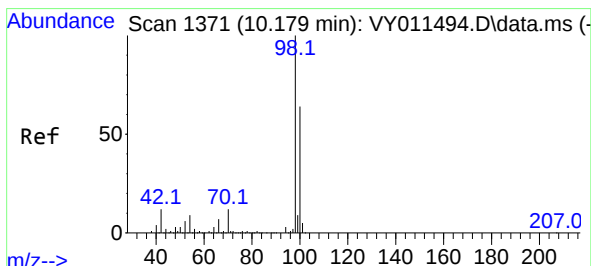
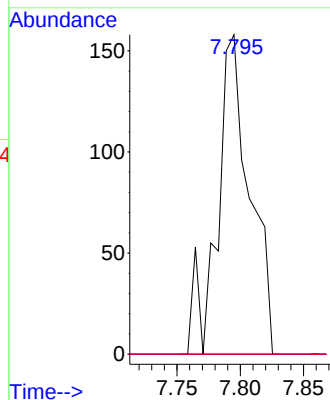
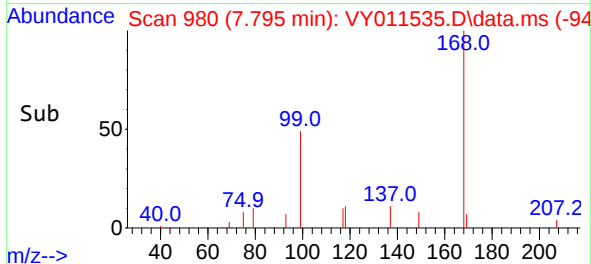


#38
Carbon Tetrachloride
Concen: 5.351 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY011535.D
Acq: 21 Nov 2022 19:31

Instrument :
MSVOA_Y
ClientSampleId :

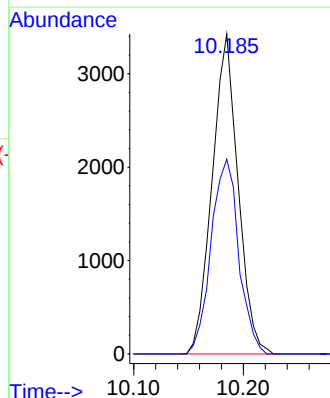
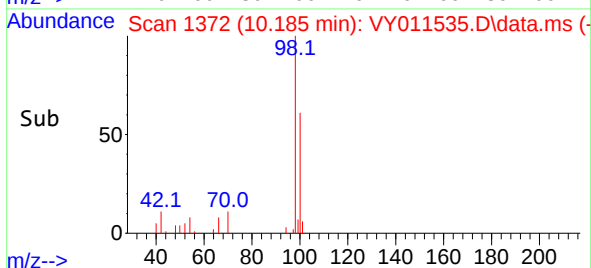
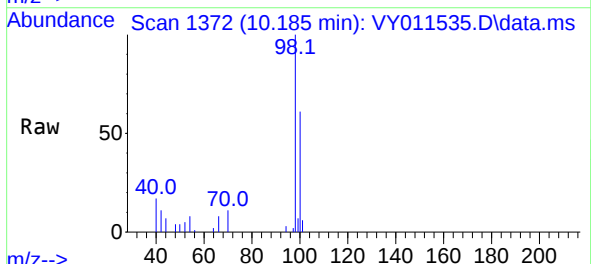


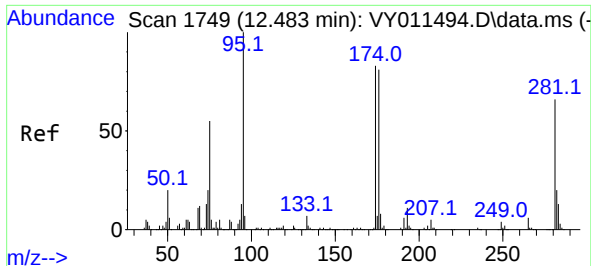
Tgt Ion:117 Resp: 283
Ion Ratio Lower Upper
117 100
119 0.0 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 51.172 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.006 min
Lab File: VY011535.D
Acq: 21 Nov 2022 19:31

Tgt Ion: 98 Resp: 5624
Ion Ratio Lower Upper
98 100
100 64.8 50.2 75.2

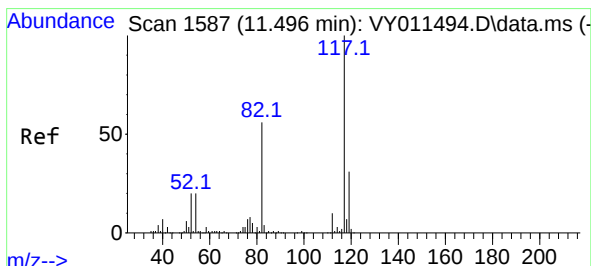
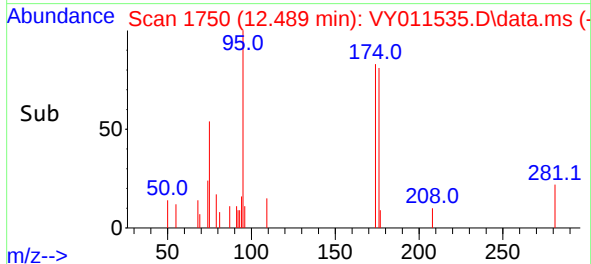
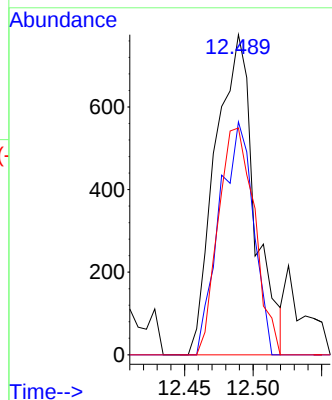
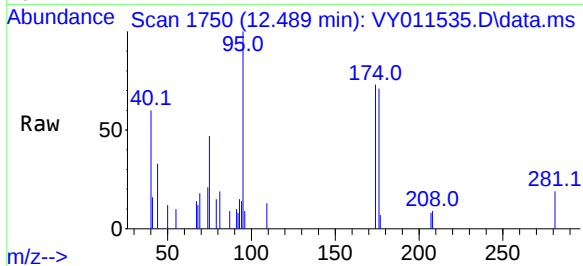




#62
4-Bromofluorobenzene
Concen: 38.169 ug/l
RT: 12.489 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY011535.D
Acq: 21 Nov 2022 19:31

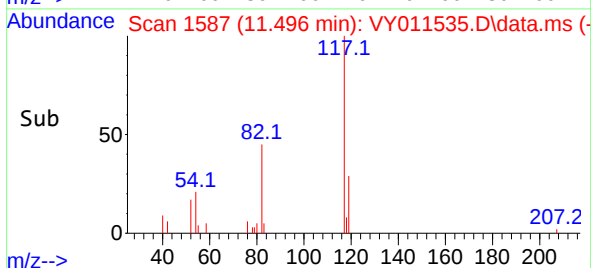
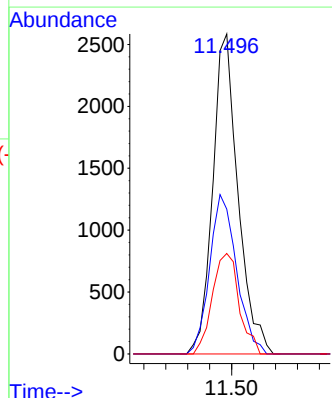
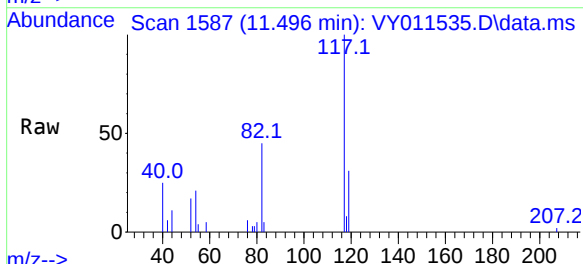
Instrument :
MSVOA_Y
ClientSampleId :

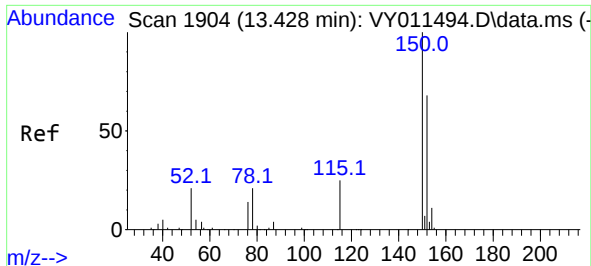
Tgt Ion: 95 Resp: 1551
Ion Ratio Lower Upper
95 100
174 62.8 0.0 177.0
176 65.3 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. -0.001 min
Lab File: VY011535.D
Acq: 21 Nov 2022 19:31

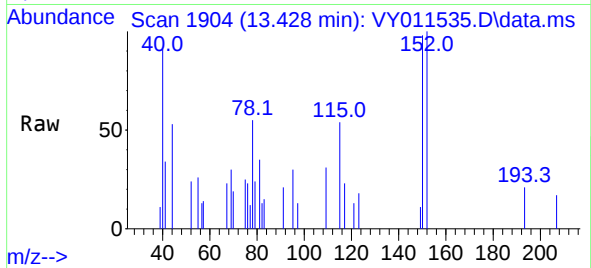
Tgt Ion: 117 Resp: 4145
Ion Ratio Lower Upper
117 100
82 45.2 43.0 64.4
119 31.4 25.4 38.0



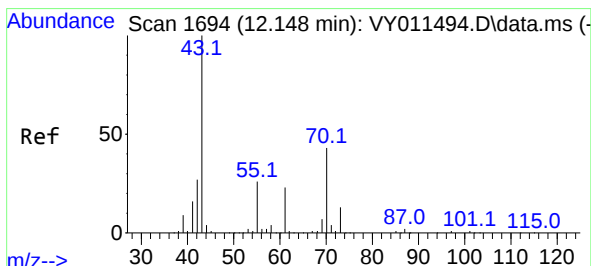
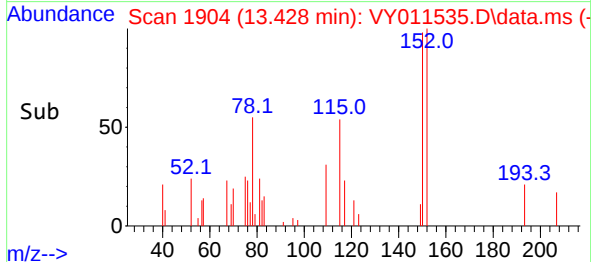
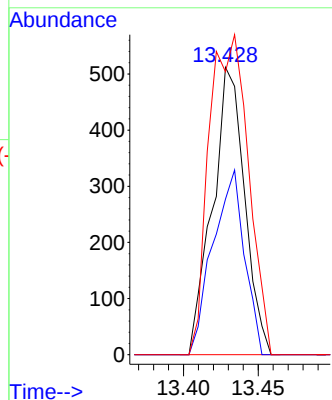


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY011535.D
Acq: 21 Nov 2022 19:31

Instrument :
MSVOA_Y
ClientSampleId :

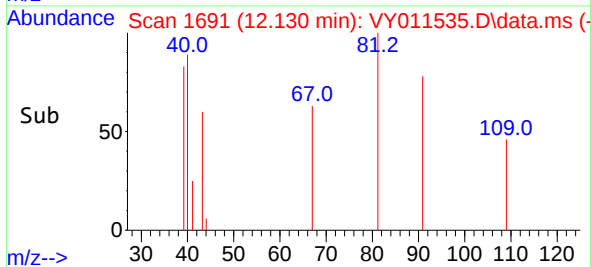
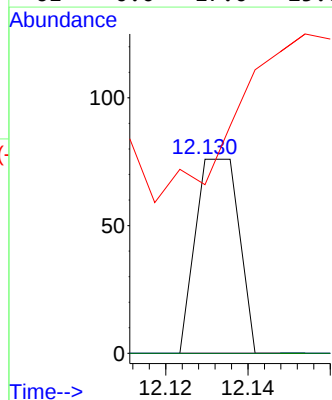
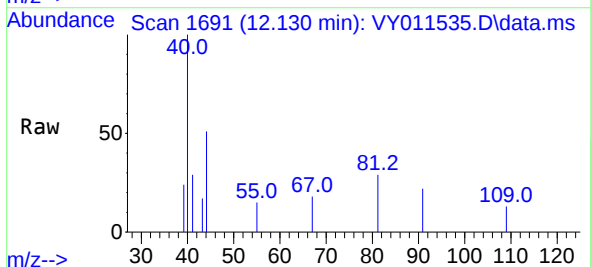


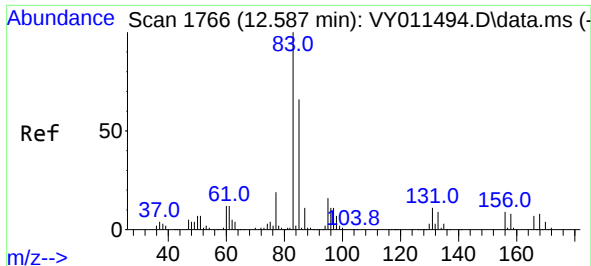
Tgt Ion:152 Resp: 765
Ion Ratio Lower Upper
152 100
115 63.0 28.2 84.7
150 136.1 0.0 347.6



#74
N-ethyl acetate
Concen: 4.099 ug/l
RT: 12.130 min Scan# 1691
Delta R.T. -0.018 min
Lab File: VY011535.D
Acq: 21 Nov 2022 19:31

Tgt Ion: 43 Resp: 56
Ion Ratio Lower Upper
43 100
70 0.0 28.7 43.1#
55 0.0 17.3 25.9#
61 0.0 17.0 25.6#

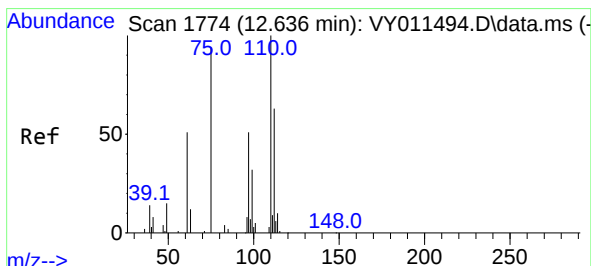
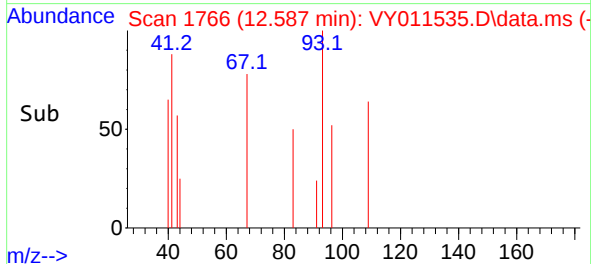
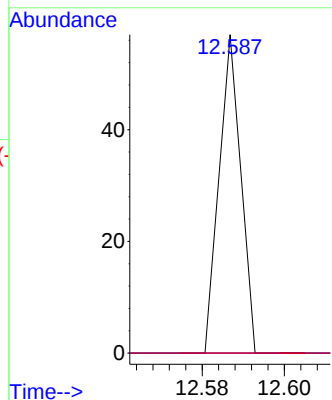
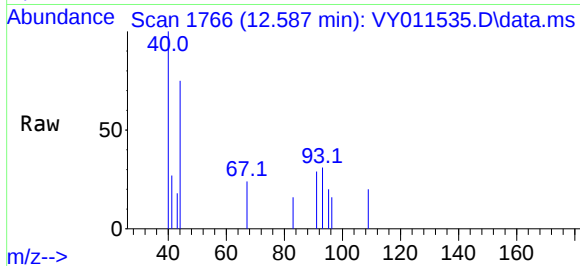




#75
1,1,2,2-Tetrachloroethane
Concen: 1.926 ug/l
RT: 12.587 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011535.D
Acq: 21 Nov 2022 19:31

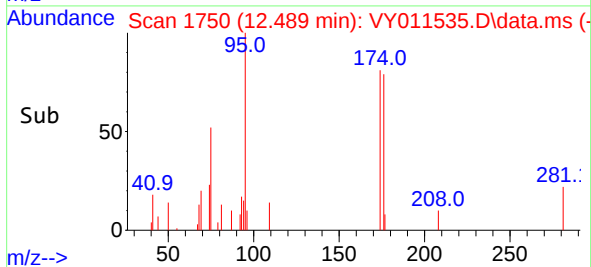
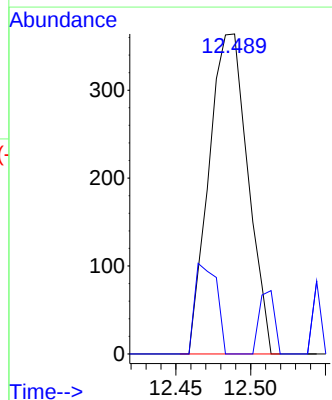
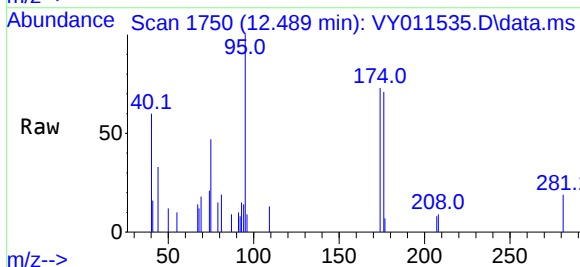
Instrument :
MSVOA_Y
ClientSampleId :

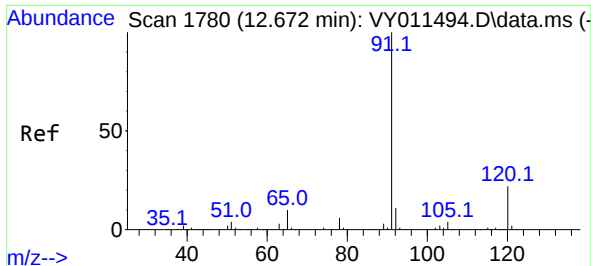
Tgt Ion: 83 Resp: 21
Ion Ratio Lower Upper
83 100
131 0.0 5.6 16.8#
85 0.0 32.3 96.8#



#76
1,2,3-Trichloropropane
Concen: 80.111 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.147 min
Lab File: VY011535.D
Acq: 21 Nov 2022 19:31

Tgt Ion: 75 Resp: 660
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0

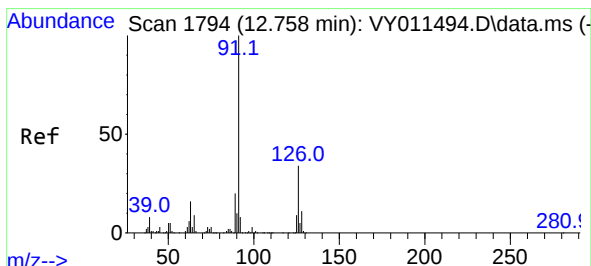
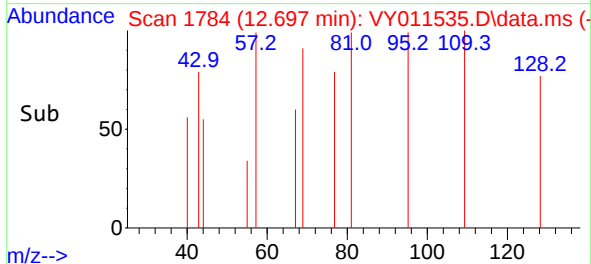
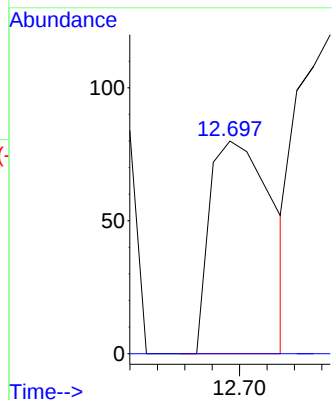
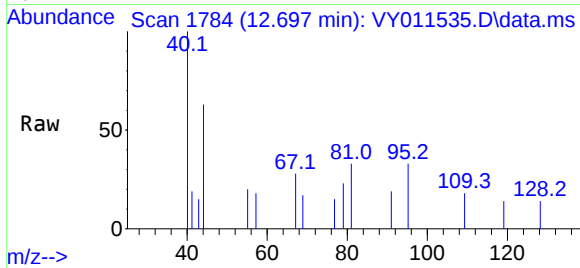




#78
n-propylbenzene
Concen: 1.867 ug/l
RT: 12.697 min Scan# 1784
Delta R.T. 0.024 min
Lab File: VY011535.D
Acq: 21 Nov 2022 19:31

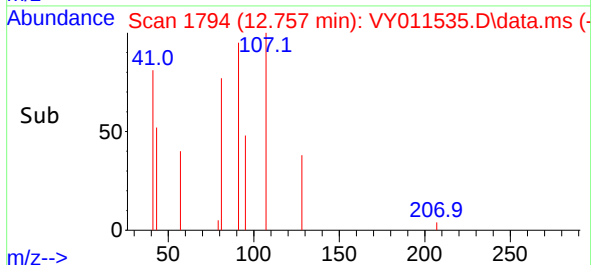
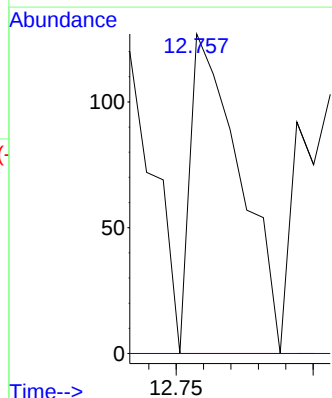
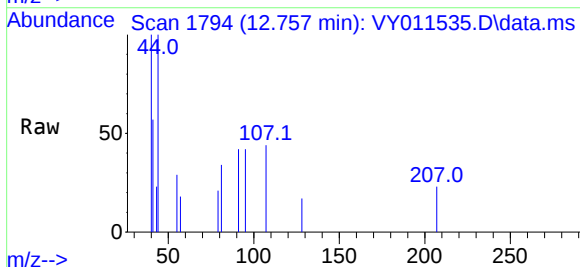
Instrument :
MSVOA_Y
ClientSampleId :

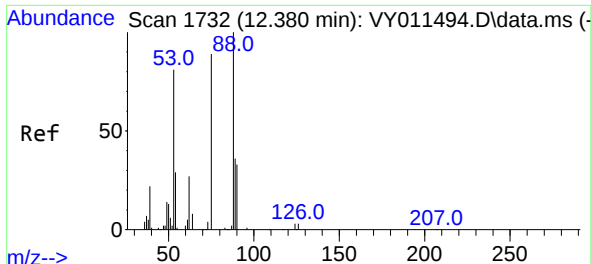
Tgt Ion: 91 Resp: 126
Ion Ratio Lower Upper
91 100
120 0.0 11.3 33.9#



#79
2-Chlorotoluene
Concen: 4.206 ug/l
RT: 12.757 min Scan# 1794
Delta R.T. -0.001 min
Lab File: VY011535.D
Acq: 21 Nov 2022 19:31

Tgt Ion: 91 Resp: 160
Ion Ratio Lower Upper
91 100
126 0.0 16.9 50.6#

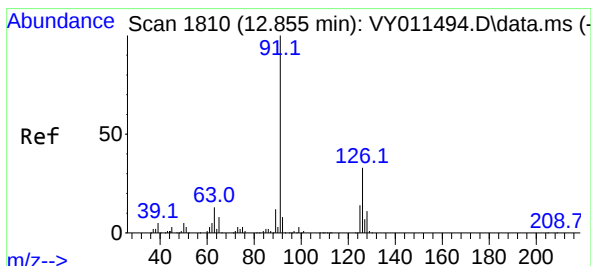
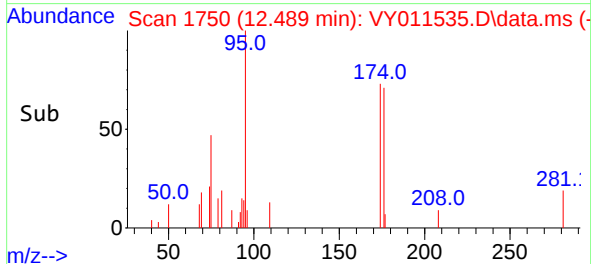
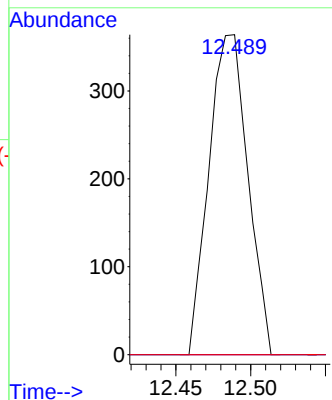
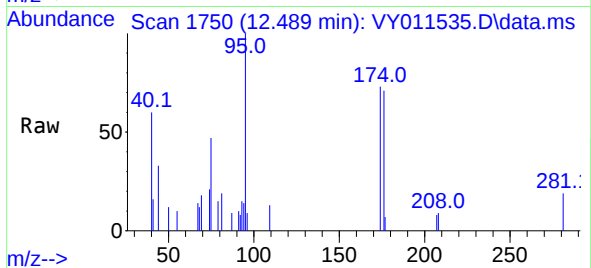




#81
trans-1,4-Dichloro-2-butene
Concen: 175.471 ug/l
RT: 12.489 min Scan# 11
Delta R.T. 0.109 min
Lab File: VY011535.D
Acq: 21 Nov 2022 19:31

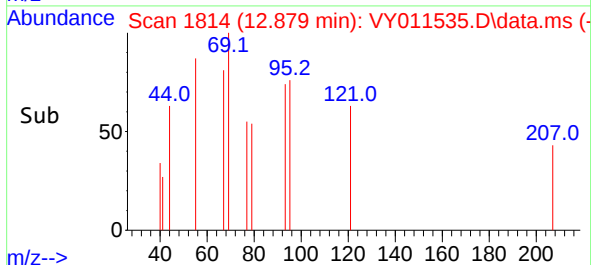
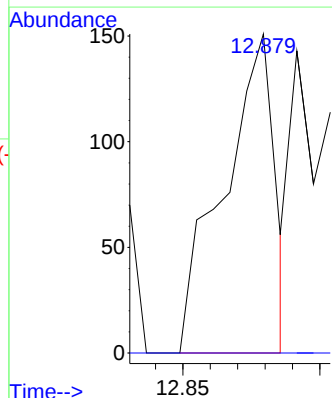
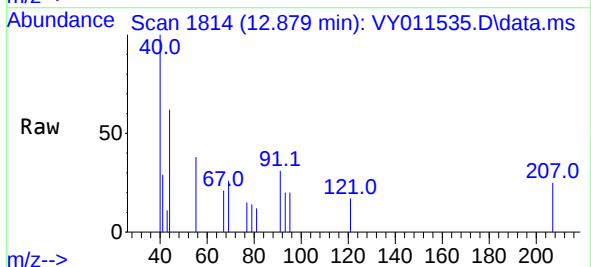
Instrument :
MSVOA_Y
ClientSampleId :

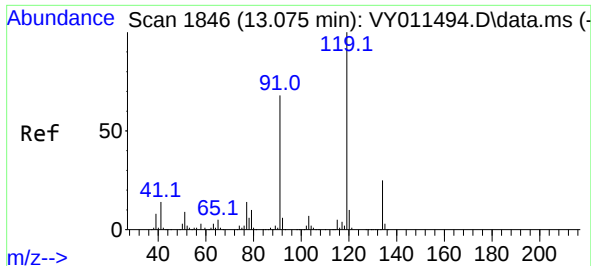
Tgt Ion: 75 Resp: 660
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#



#82
4-Chlorotoluene
Concen: 4.952 ug/l
RT: 12.879 min Scan# 1814
Delta R.T. 0.024 min
Lab File: VY011535.D
Acq: 21 Nov 2022 19:31

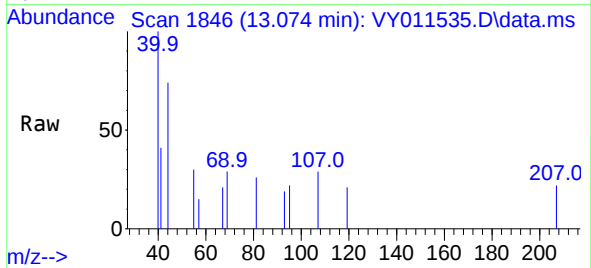
Tgt Ion: 91 Resp: 197
Ion Ratio Lower Upper
91 100
126 0.0 17.0 51.0#



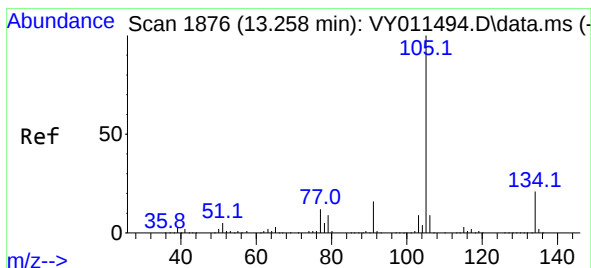
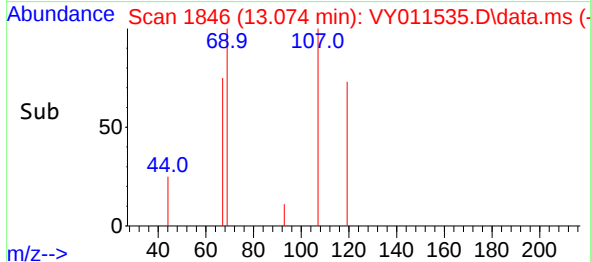
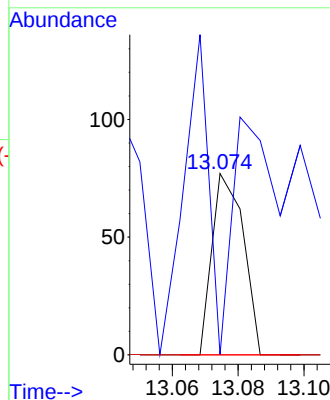


#83
tert-Butylbenzene
Concen: 1.255 ug/l
RT: 13.074 min Scan# 1846
Delta R.T. -0.001 min
Lab File: VY011535.D
Acq: 21 Nov 2022 19:31

Instrument :
MSVOA_Y
ClientSampleId :

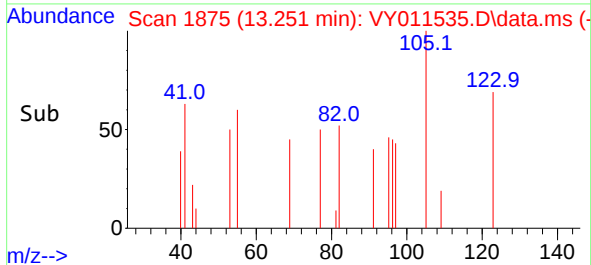
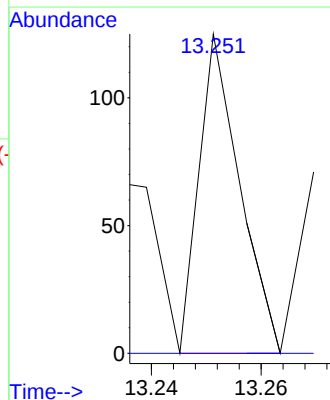
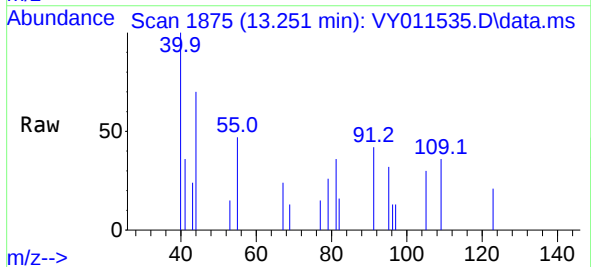


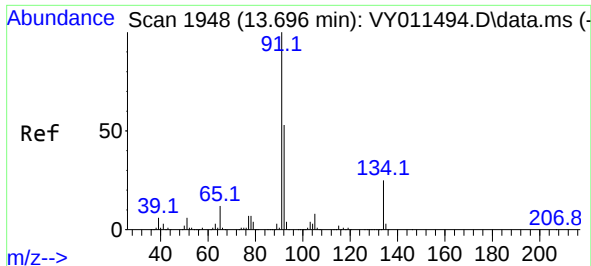
Tgt Ion:119 Resp: 51
Ion Ratio Lower Upper
119 100
91 180.4 34.8 104.4#
134 0.0 13.3 39.9#



#85
sec-Butylbenzene
Concen: 1.056 ug/l
RT: 13.251 min Scan# 1875
Delta R.T. -0.007 min
Lab File: VY011535.D
Acq: 21 Nov 2022 19:31

Tgt Ion:105 Resp: 64
Ion Ratio Lower Upper
105 100
134 0.0 10.2 30.4#





#89

n-Butylbenzene

Concen: 1.656 ug/l

RT: 13.678 min Scan# 1948

Delta R.T. -0.018 min

Lab File: VY011535.D

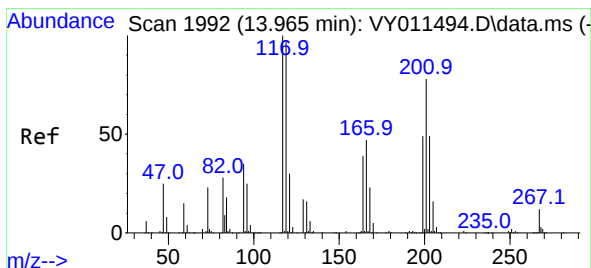
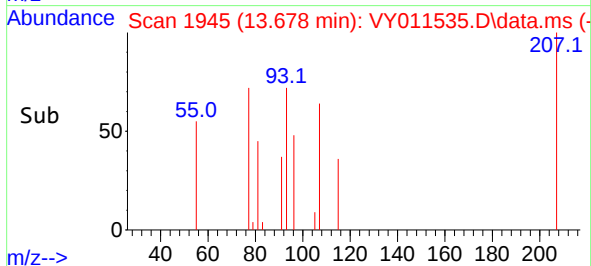
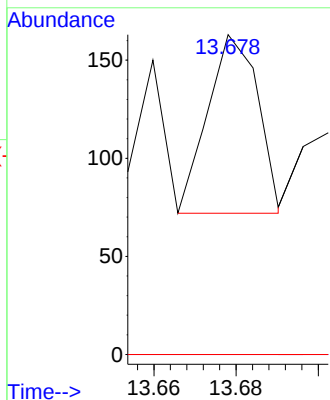
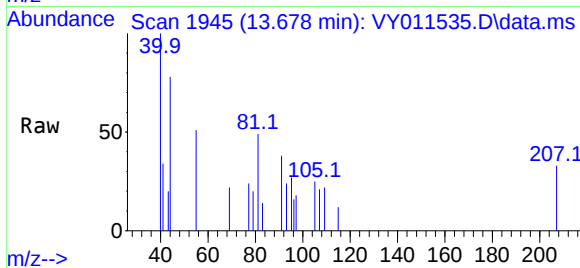
Acq: 21 Nov 2022 19:31

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion: 91	Resp:	77
Ion Ratio	Lower	Upper
91	100	
92	0.0	26.3 78.9#
134	0.0	13.0 38.9#



#90

Hexachloroethane

Concen: 2.154 ug/l

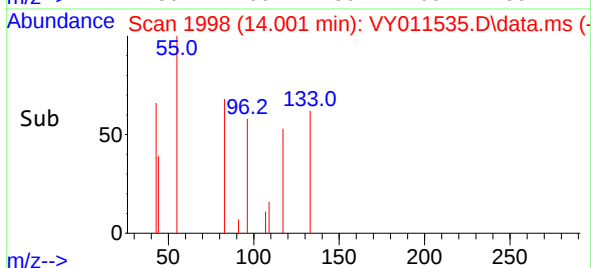
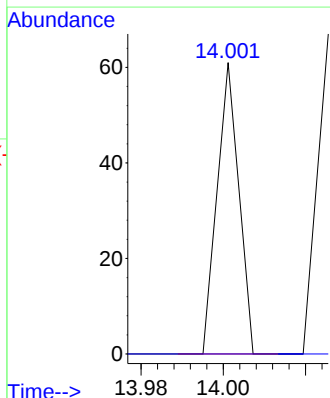
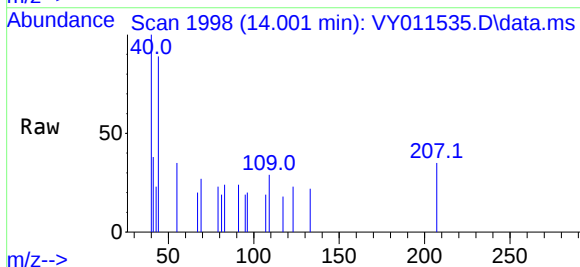
RT: 14.001 min Scan# 1998

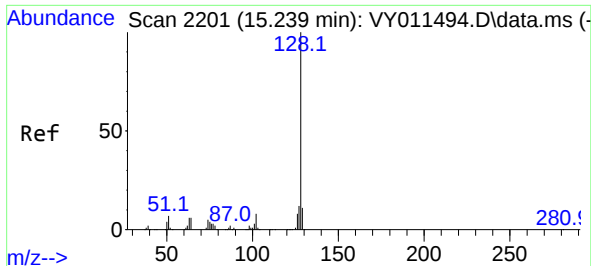
Delta R.T. 0.036 min

Lab File: VY011535.D

Acq: 21 Nov 2022 19:31

Tgt Ion: 117	Resp:	22
Ion Ratio	Lower	Upper
117	100	
201	0.0	43.0 128.8#





#95

Naphthalene

Concen: 5.004 ug/l

RT: 15.306 min Scan# 21

Delta R.T. 0.067 min

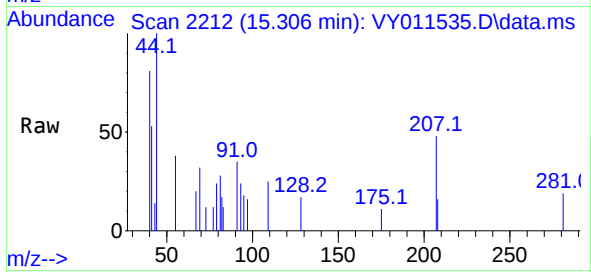
Lab File: VY011535.D

Acq: 21 Nov 2022 19:31

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:128 Resp: 29

Ion Ratio Lower Upper

128 100

127 0.0 11.0 16.4#

129 0.0 8.4 12.6#

