

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081821\
 Data File : VY005735.D
 Acq On : 18 Aug 2021 13:26
 Operator : SY/MD
 Sample : M3430-01
 Misc : 5.01G/5ML/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PE-1

Quant Time: Aug 19 05:17:00 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080221S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 03 04:52:05 2021
 Response via : Initial Calibration

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

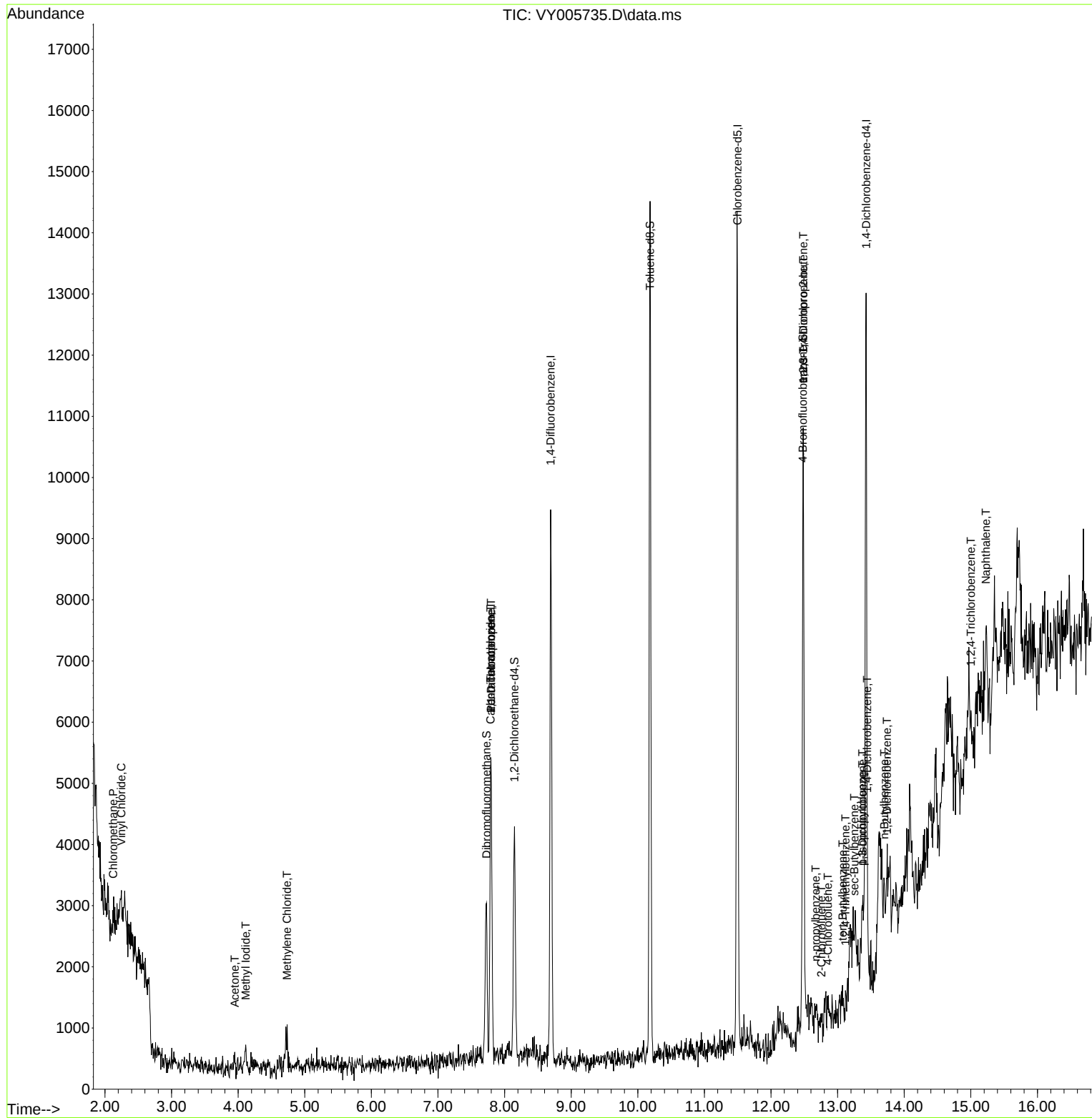
Internal Standards						
1) Pentafluorobenzene	7.795	168	4181	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	7255	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	7733	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	2641	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	3037	71.759	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 143.520%	
35) Dibromofluoromethane	7.728	113	1692	41.655	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 83.320%	
50) Toluene-d8	10.185	98	9274	54.440	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 108.880%	
62) 4-Bromofluorobenzene	12.477	95	2984	52.896	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 105.800%	
Target Compounds						Qvalue
3) Chloromethane	2.125	50	87	2.121	ug/l #	42
4) Vinyl Chloride	2.247	62	60	1.221	ug/l #	42
10) Methyl Iodide	4.113	142	377	8.481	ug/l #	86
16) Acetone	3.948	43	151	14.151	ug/l #	45
20) Methylene Chloride	4.735	84	328	1.924	ug/l #	64
36) 1,1-Dichloropropene	7.795	75	234	3.439	ug/l #	41
38) Carbon Tetrachloride	7.789	117	396	5.355	ug/l #	13
76) 1,2,3-Trichloropropane	12.483	75	1450	52.981	ug/l #	100
78) n-propylbenzene	12.672	91	286	1.306	ug/l #	51
79) 2-Chlorotoluene	12.758	91	161	1.310	ug/l #	40
81) trans-1,4-Dichloro-2-b...	12.483	75	1450	106.803	ug/l #	11
82) 4-Chlorotoluene	12.855	91	176	1.384	ug/l #	40
83) tert-Butylbenzene	13.075	119	143	1.042	ug/l #	66
84) 1,2,4-Trimethylbenzene	13.117	105	158	1.047	ug/l	91
85) sec-Butylbenzene	13.251	105	241	1.217	ug/l #	55
86) p-Isopropyltoluene	13.373	119	241	1.418	ug/l #	42
87) 1,3-Dichlorobenzene	13.373	146	99	1.120	ug/l #	44
88) 1,4-Dichlorobenzene	13.446	146	180	2.053	ug/l #	69
89) n-Butylbenzene	13.703	91	391	2.539	ug/l #	51
91) 1,2-Dichlorobenzene	13.739	146	168	2.152	ug/l #	82
93) 1,2,4-Trichlorobenzene	15.001	180	61	1.138	ug/l #	50
95) Naphthalene	15.227	128	237	2.242	ug/l #	81

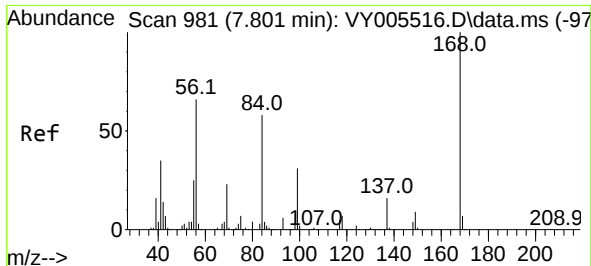
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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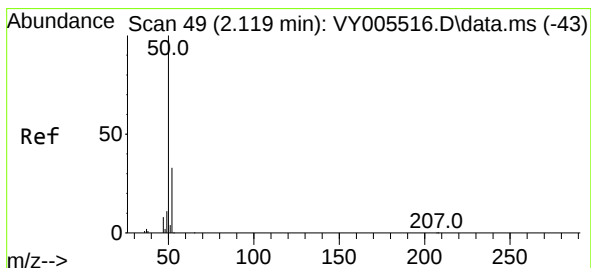
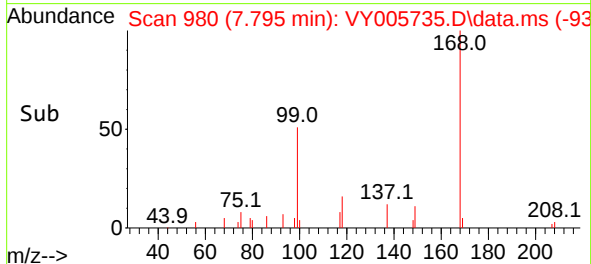
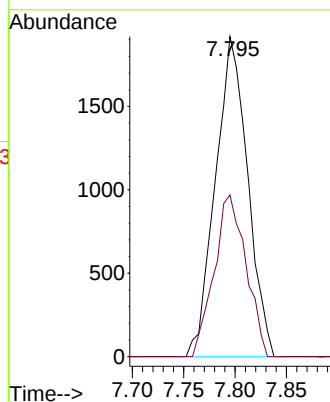
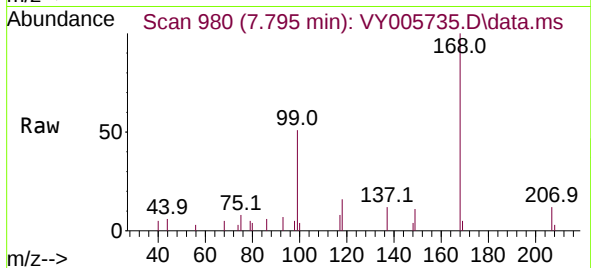




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.006 min
Lab File: VY005735.D
Acq: 18 Aug 2021 13:26

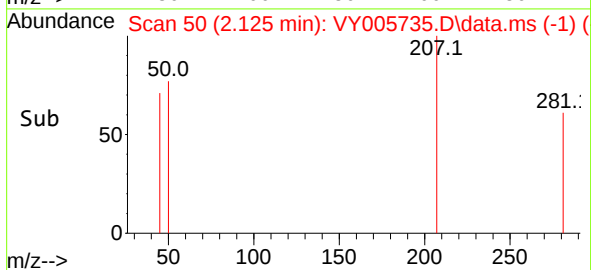
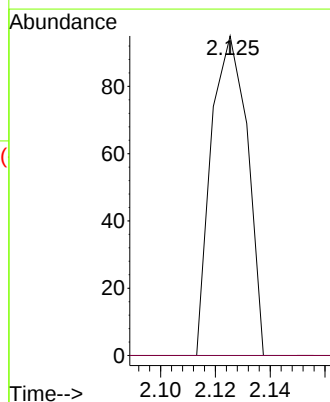
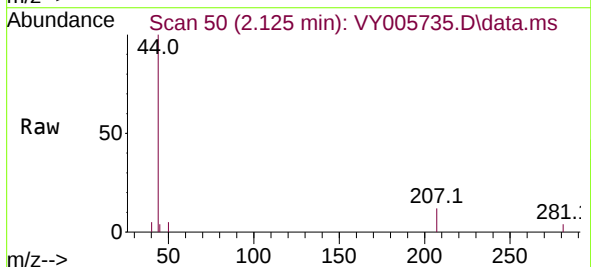
Instrument :
MSVOA_Y
ClientSampleId :
PE-1

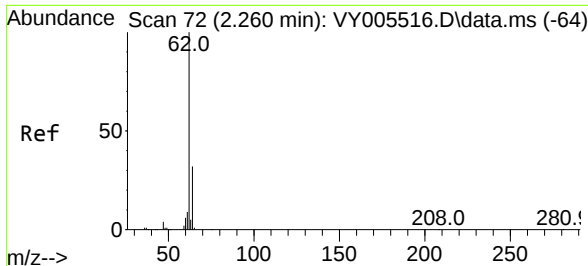
Tgt Ion:168 Resp: 4181
Ion Ratio Lower Upper
168 100
99 50.5 38.9 58.3



#3
Chloromethane
Concen: 2.121 ug/l
RT: 2.125 min Scan# 50
Delta R.T. 0.006 min
Lab File: VY005735.D
Acq: 18 Aug 2021 13:26

Tgt Ion: 50 Resp: 87
Ion Ratio Lower Upper
50 100
52 0.0 26.4 39.6#

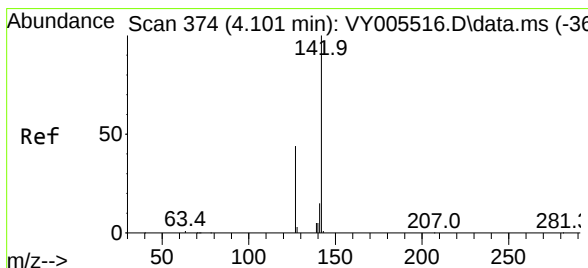
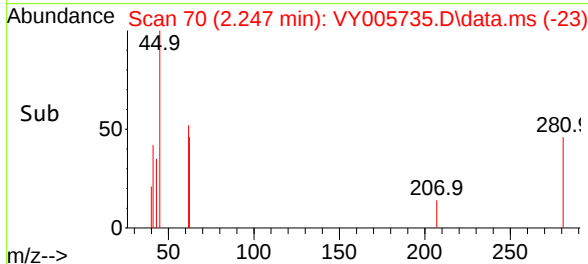
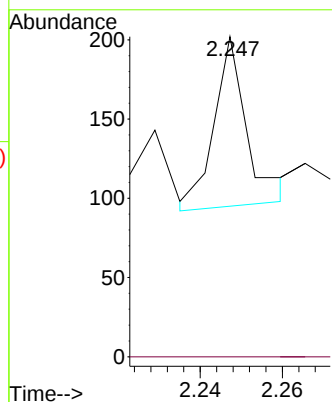
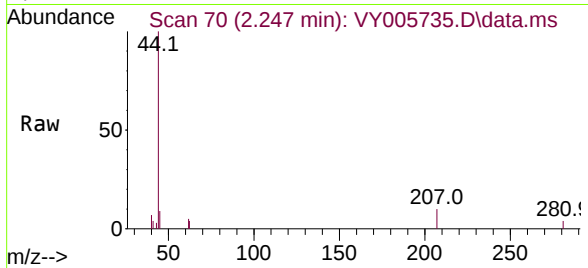




#4
 Vinyl Chloride
 Concen: 1.221 ug/l
 RT: 2.247 min Scan# 70
 Delta R.T. -0.012 min
 Lab File: VY005735.D
 Acq: 18 Aug 2021 13:26

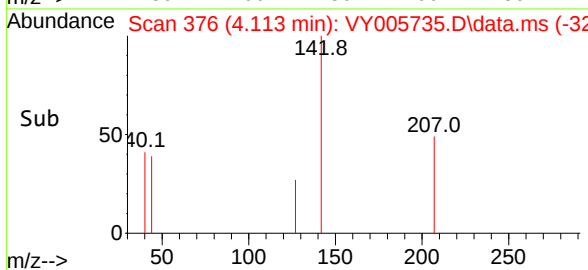
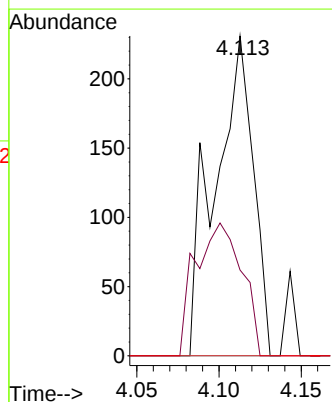
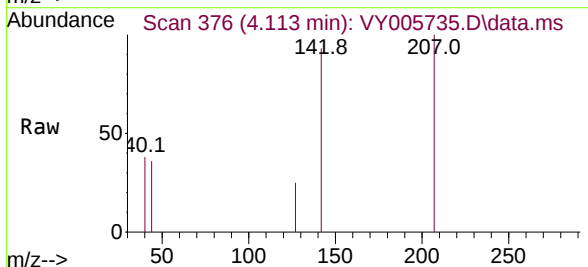
Instrument :
 MSVOA_Y
 ClientSampleId :
 PE-1

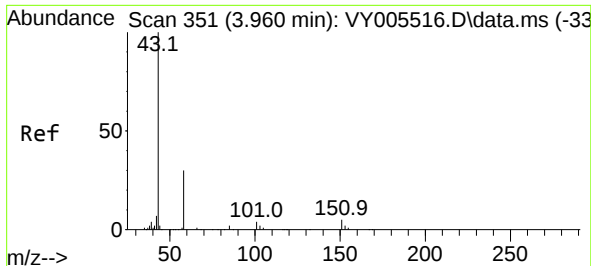
Tgt Ion: 62 Resp: 60
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.9 38.9#



#10
 Methyl Iodide
 Concen: 8.481 ug/l
 RT: 4.113 min Scan# 376
 Delta R.T. 0.012 min
 Lab File: VY005735.D
 Acq: 18 Aug 2021 13:26

Tgt Ion: 142 Resp: 377
 Ion Ratio Lower Upper
 142 100
 127 49.9 36.6 54.8
 141 0.0 12.2 18.4#

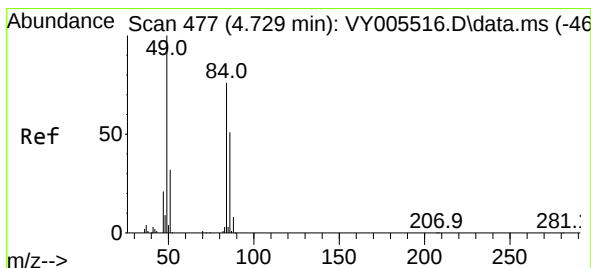
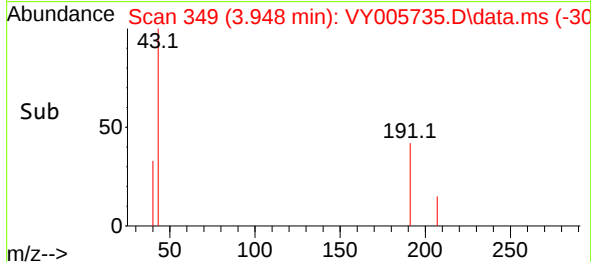
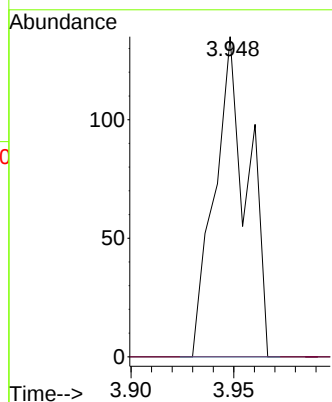
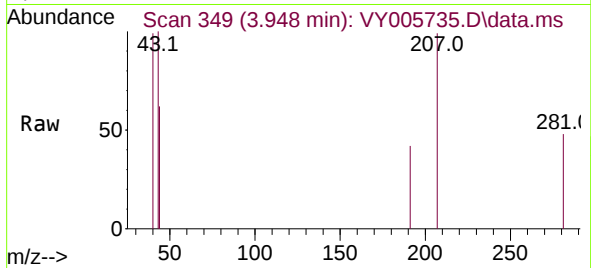




#16
Acetone
Concen: 14.151 ug/l
RT: 3.948 min Scan# 349
Delta R.T. -0.012 min
Lab File: VY005735.D
Acq: 18 Aug 2021 13:26

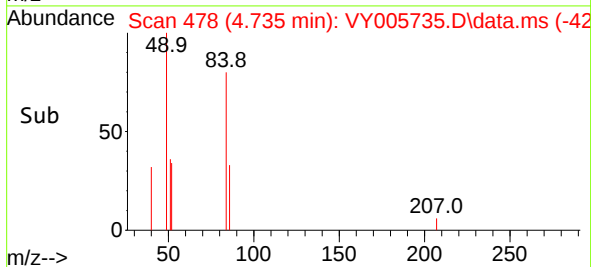
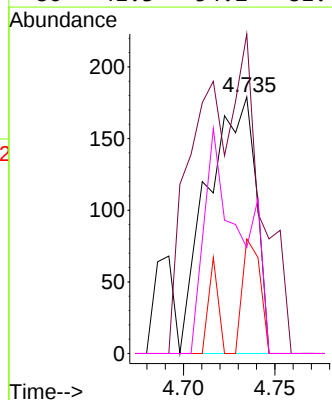
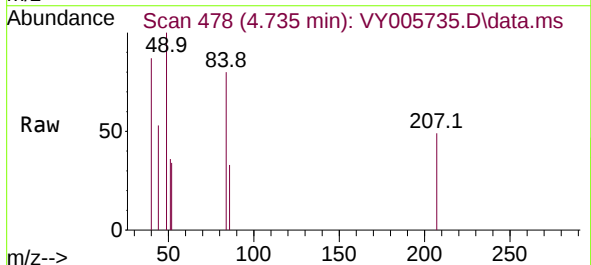
Instrument :
MSVOA_Y
ClientSampled :
PE-1

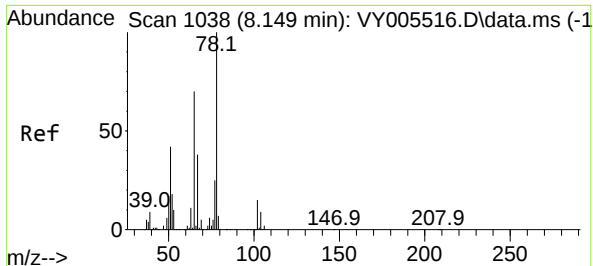
Tgt Ion: 43 Resp: 151
Ion Ratio Lower Upper
43 100
58 0.0 23.8 35.6#



#20
Methylene Chloride
Concen: 1.924 ug/l
RT: 4.735 min Scan# 478
Delta R.T. 0.006 min
Lab File: VY005735.D
Acq: 18 Aug 2021 13:26

Tgt Ion: 84 Resp: 328
Ion Ratio Lower Upper
84 100
49 76.5 105.8 158.6#
51 44.7 33.4 50.2
86 41.3 54.2 81.4#





#33

1,2-Dichloroethane-d4

Concen: 71.759 ug/l

RT: 8.149 min Scan# 1038

Delta R.T. -0.000 min

Lab File: VY005735.D

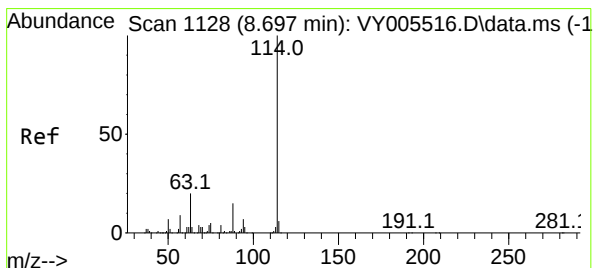
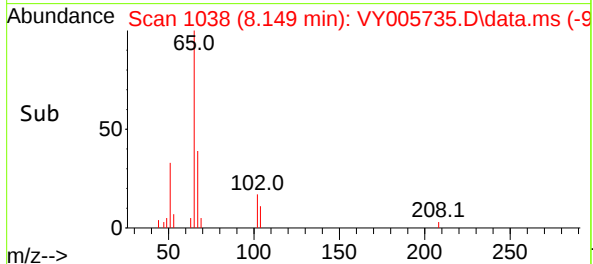
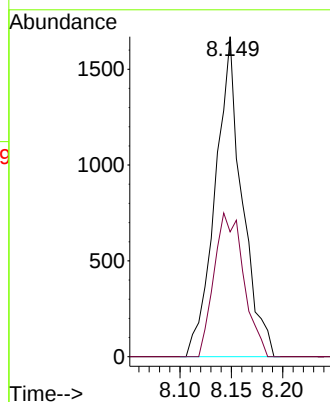
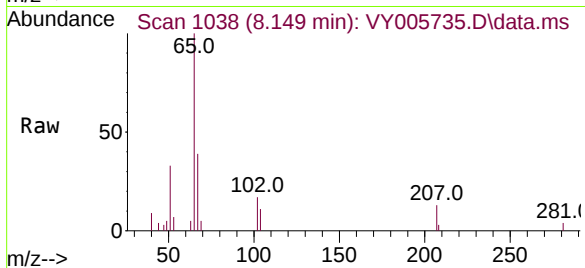
Acq: 18 Aug 2021 13:26

Tgt Ion: 65 Resp: 3037

Ion Ratio Lower Upper

65 100

67 49.4 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.006 min

Lab File: VY005735.D

Acq: 18 Aug 2021 13:26

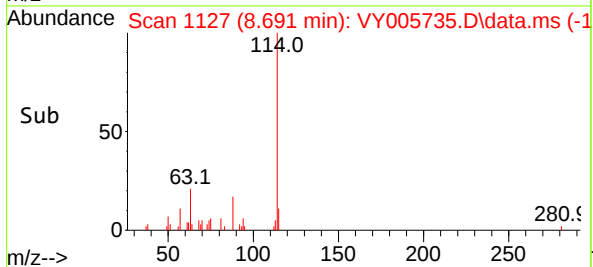
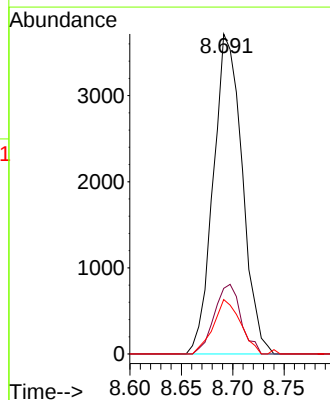
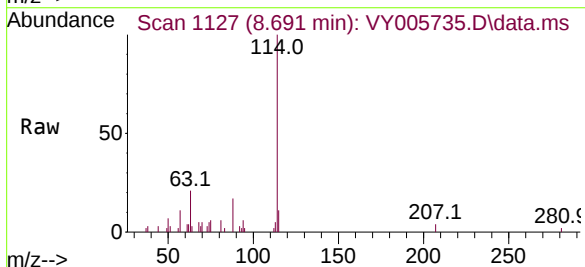
Tgt Ion: 114 Resp: 7255

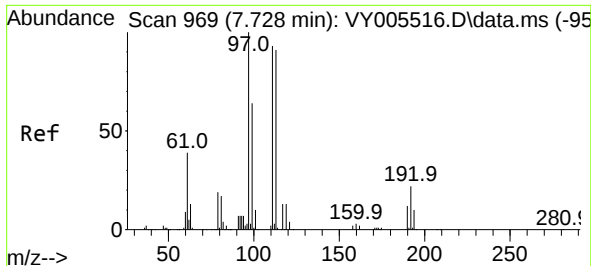
Ion Ratio Lower Upper

114 100

63 20.5 0.0 39.2

88 17.0 0.0 30.8

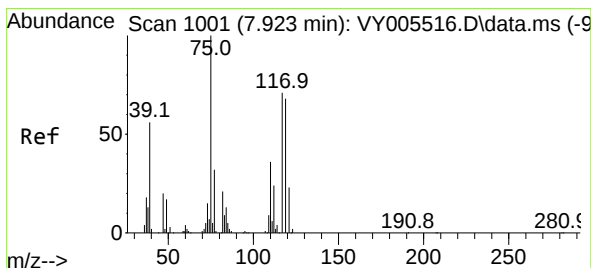
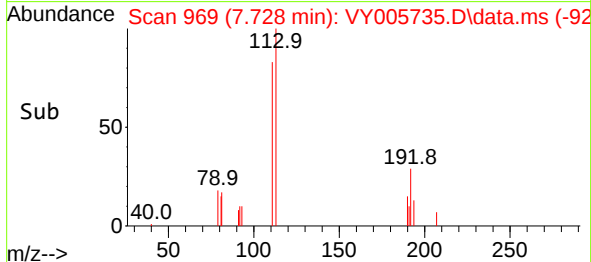
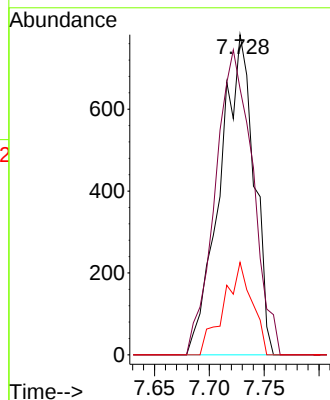
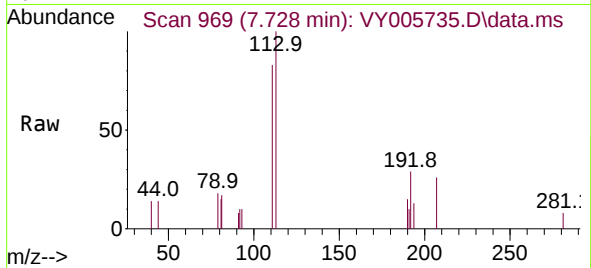




#35
Dibromofluoromethane
Concen: 41.655 ug/l
RT: 7.728 min Scan# 969
Delta R.T. -0.000 min
Lab File: VY005735.D
Acq: 18 Aug 2021 13:26

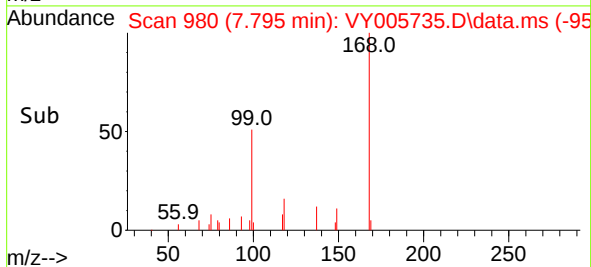
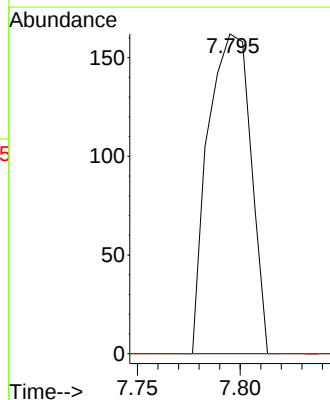
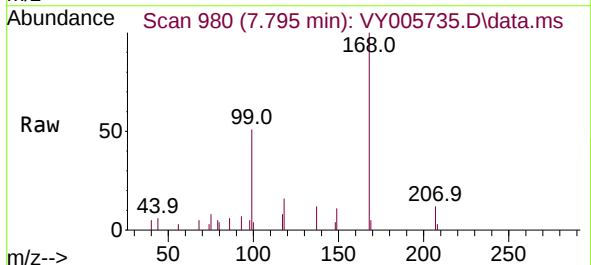
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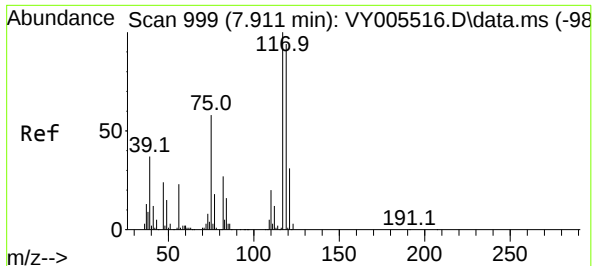
Tgt Ion:	113	Resp:	1692
Ion	Ratio	Lower	Upper
113	100		
111	104.4	81.9	122.9
192	24.0	19.2	28.8



#36
1,1-Dichloropropene
Concen: 3.439 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY005735.D
Acq: 18 Aug 2021 13:26

Tgt Ion:	75	Resp:	234
Ion	Ratio	Lower	Upper
75	100		
110	0.0	18.1	54.1#
77	0.0	25.1	37.7#





#38

Carbon Tetrachloride

Concen: 5.355 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.122 min

Lab File: VY005735.D

Acq: 18 Aug 2021 13:26

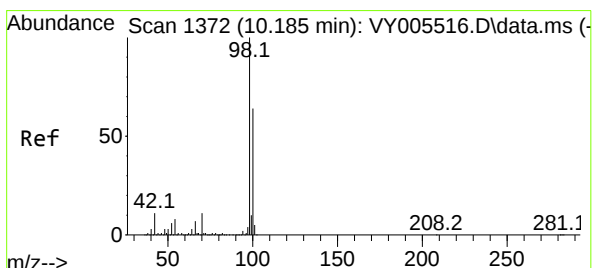
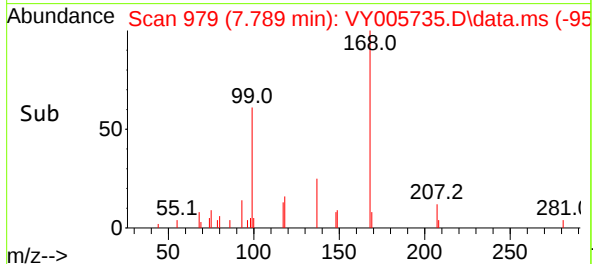
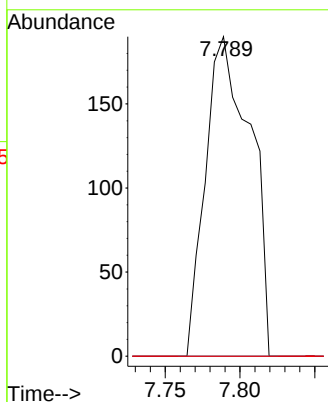
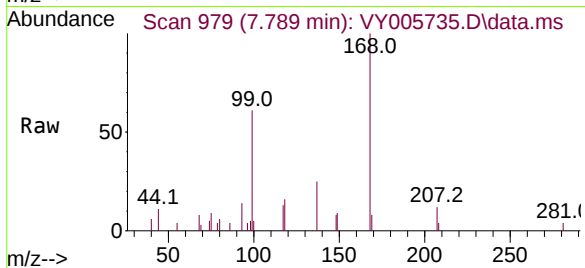
Instrument :

MSVOA_Y

ClientSampled :

PE-1

Tgt Ion:117	Resp:	396
Ion	Ratio	Lower Upper
117	100	
119	0.0	75.4 113.0#
121	0.0	25.1 37.7#



#50

Toluene-d8

Concen: 54.440 ug/l

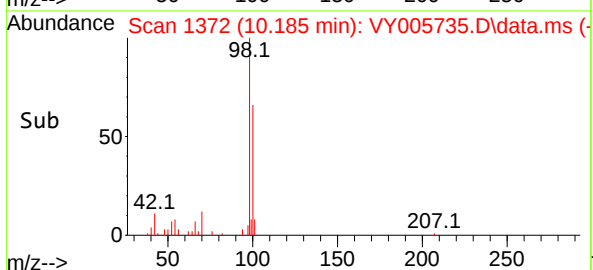
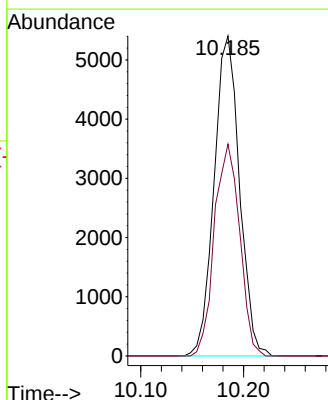
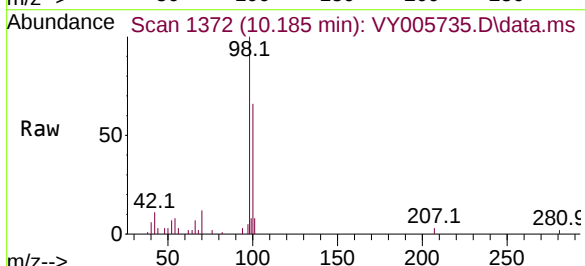
RT: 10.185 min Scan# 1372

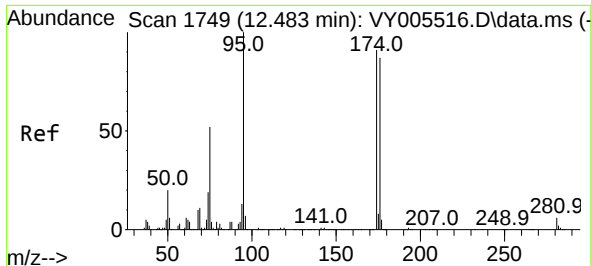
Delta R.T. -0.000 min

Lab File: VY005735.D

Acq: 18 Aug 2021 13:26

Tgt Ion: 98	Resp:	9274
Ion	Ratio	Lower Upper
98	100	
100	65.8	51.3 76.9

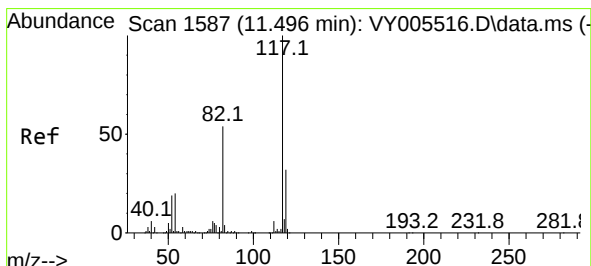
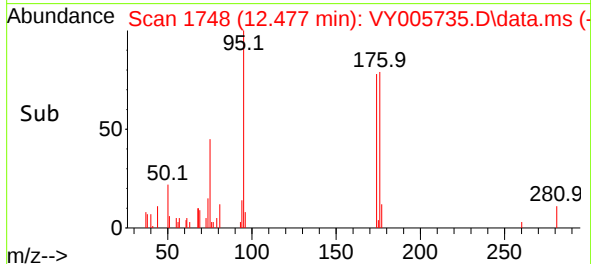
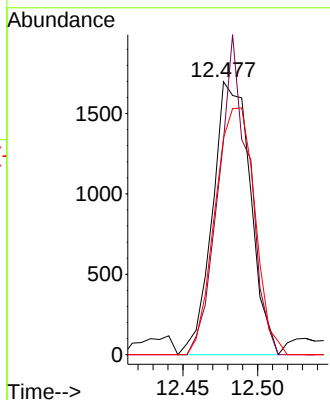
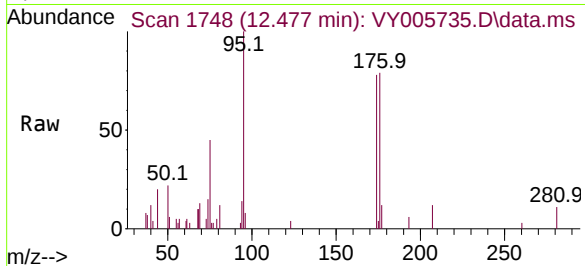




#62
4-Bromofluorobenzene
Concen: 52.896 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY005735.D
Acq: 18 Aug 2021 13:26

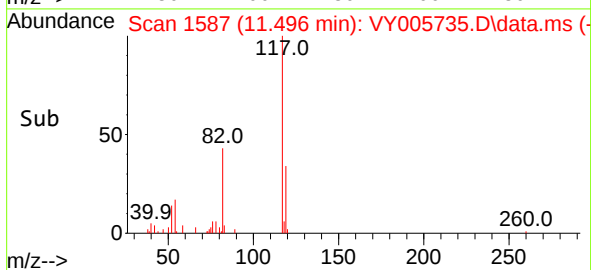
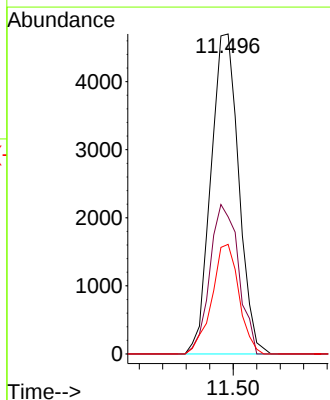
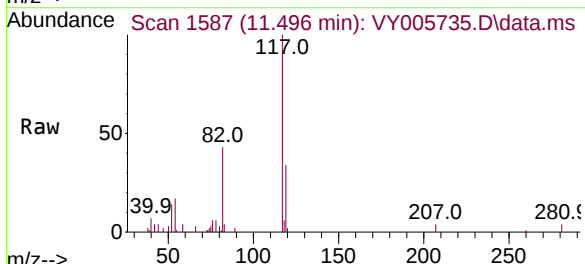
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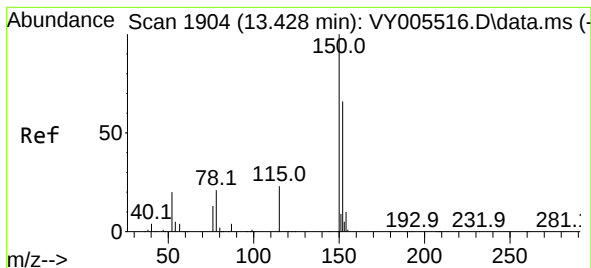
Tgt Ion:	95	Resp:	2984
Ion Ratio	Lower	Upper	
95	100		
174	94.2	0.0	191.4
176	94.8	0.0	183.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VY005735.D
Acq: 18 Aug 2021 13:26

Tgt Ion:	117	Resp:	7733
Ion Ratio	Lower	Upper	
117	100		
82	42.9	43.5	65.3#
119	34.3	25.5	38.3

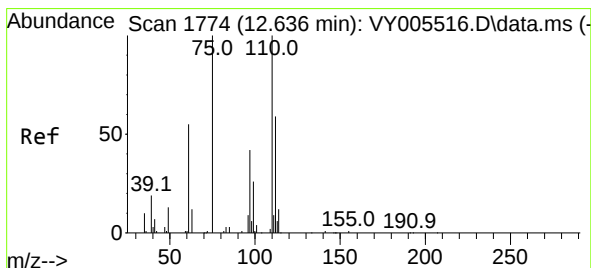
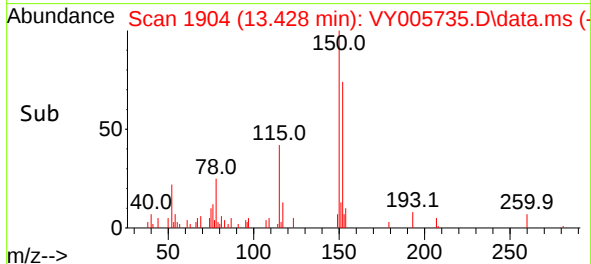
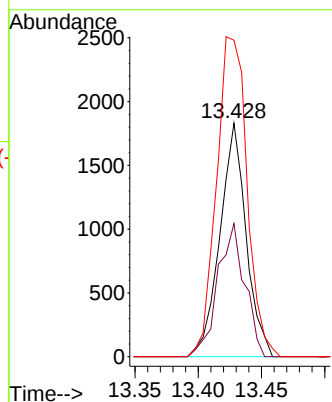
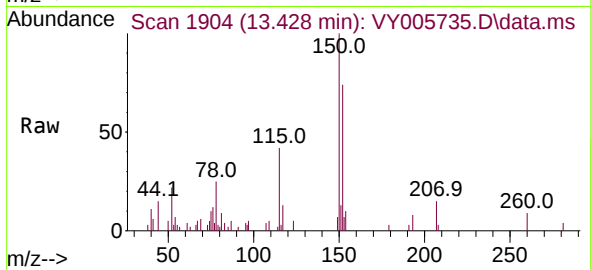




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. -0.000 min
 Lab File: VY005735.D
 Acq: 18 Aug 2021 13:26

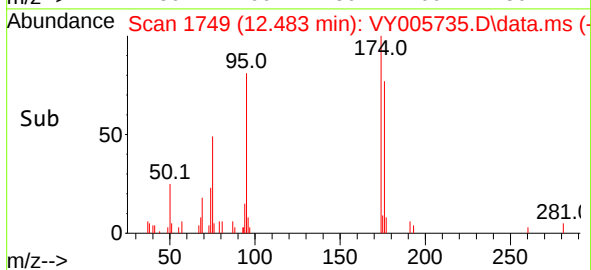
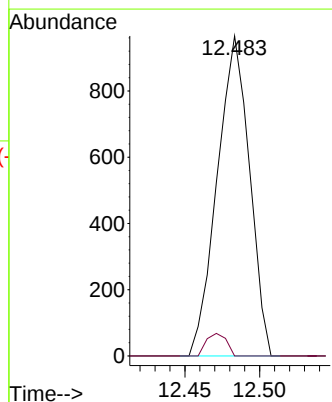
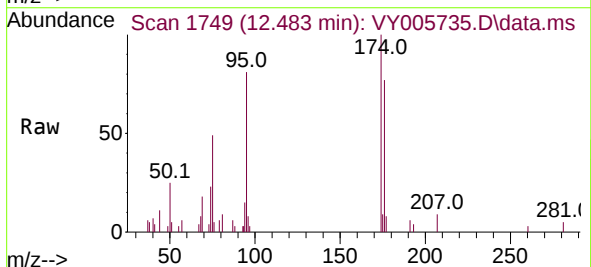
Instrument :
 MSVOA_Y
 ClientSampled :
 PE-1

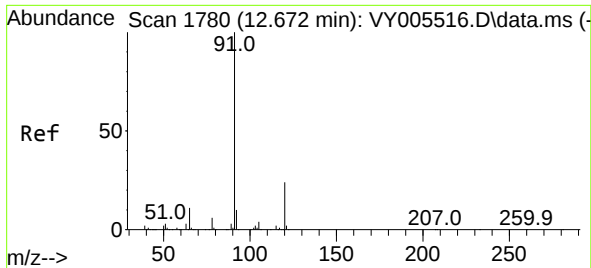
Tgt Ion:152 Resp: 2641
 Ion Ratio Lower Upper
 152 100
 115 58.5 27.3 81.9
 150 159.4 0.0 350.2



#76
 1,2,3-Trichloropropane
 Concen: 52.981 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.152 min
 Lab File: VY005735.D
 Acq: 18 Aug 2021 13:26

Tgt Ion: 75 Resp: 1450
 Ion Ratio Lower Upper
 75 100
 77 4.3 0.0 0.0#

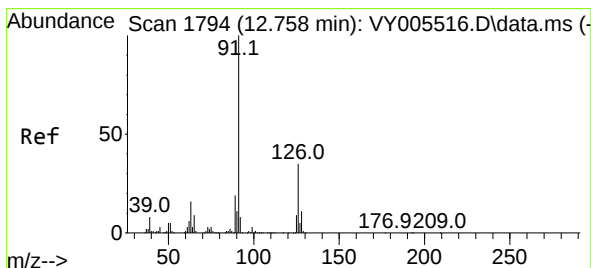
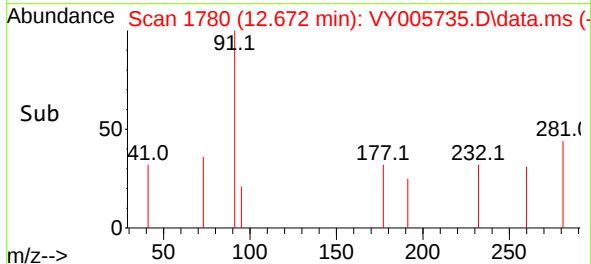
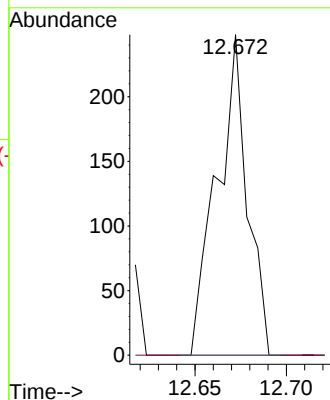
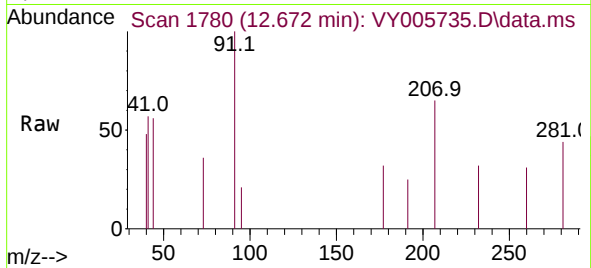




#78
n-propylbenzene
Concen: 1.306 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. -0.000 min
Lab File: VY005735.D
Acq: 18 Aug 2021 13:26

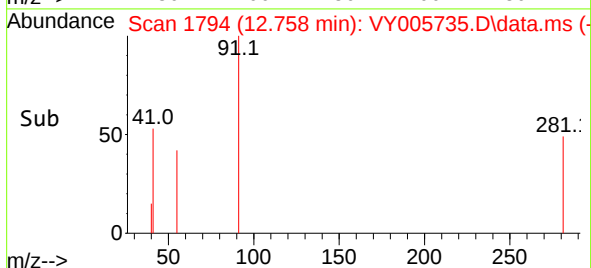
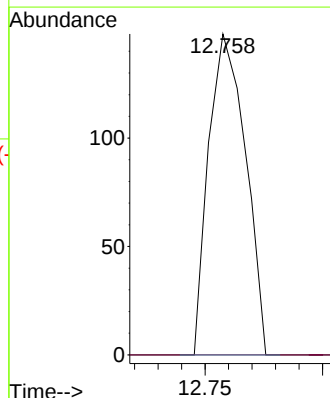
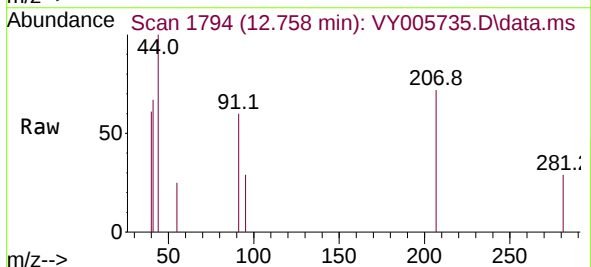
Instrument :
MSVOA_Y
ClientSampled :
PE-1

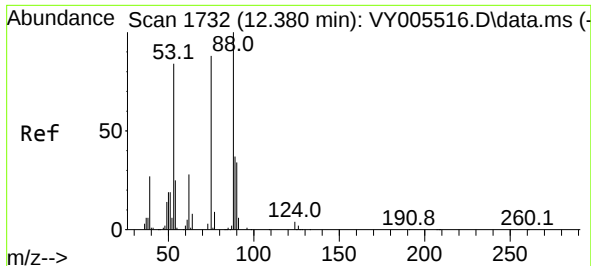
Tgt Ion: 91 Resp: 286
Ion Ratio Lower Upper
91 100
120 0.0 11.9 35.9#



#79
2-Chlorotoluene
Concen: 1.310 ug/l
RT: 12.758 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VY005735.D
Acq: 18 Aug 2021 13:26

Tgt Ion: 91 Resp: 161
Ion Ratio Lower Upper
91 100
126 0.0 17.5 52.6#

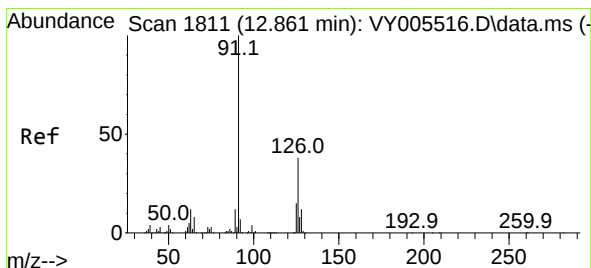
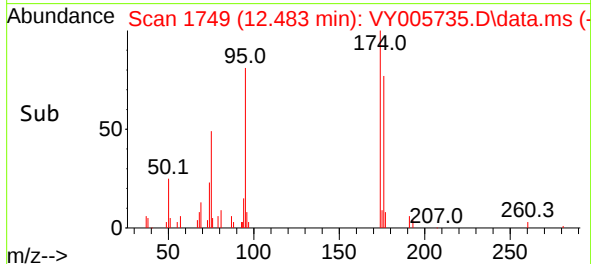
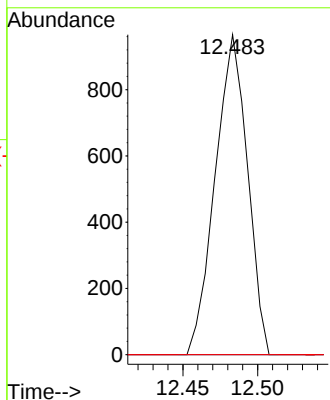
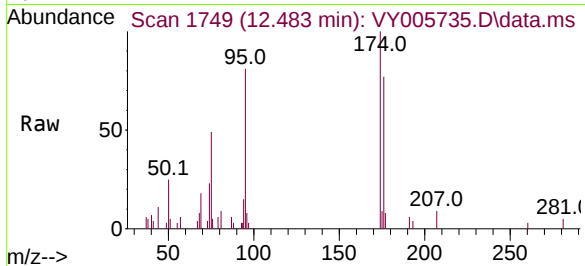




#81
trans-1,4-Dichloro-2-butene
Concen: 106.803 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY005735.D
Acq: 18 Aug 2021 13:26

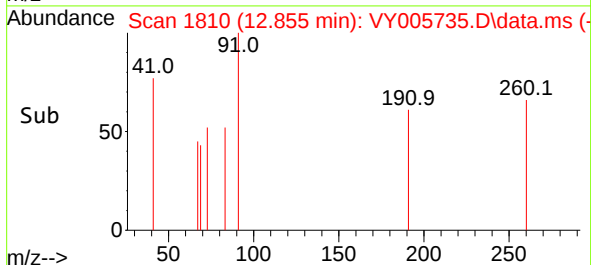
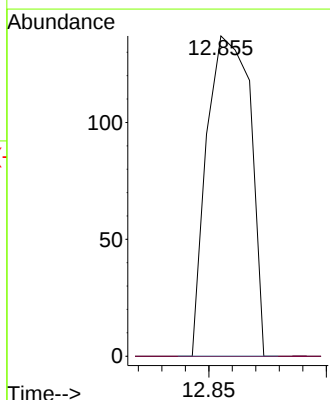
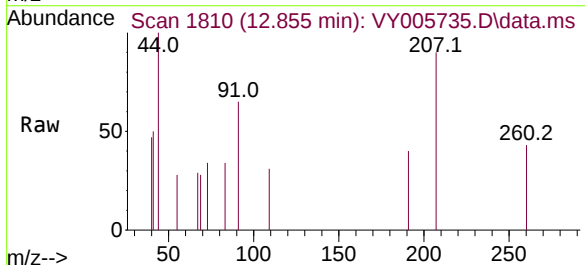
Instrument :
MSVOA_Y
ClientSampled :
PE-1

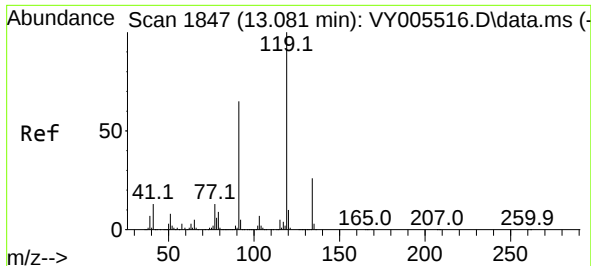
Tgt Ion: 75 Resp: 1450
Ion Ratio Lower Upper
75 100
53 0.0 76.7 115.1#
89 0.0 38.4 57.6#



#82
4-Chlorotoluene
Concen: 1.384 ug/l
RT: 12.855 min Scan# 1810
Delta R.T. -0.006 min
Lab File: VY005735.D
Acq: 18 Aug 2021 13:26

Tgt Ion: 91 Resp: 176
Ion Ratio Lower Upper
91 100
126 0.0 17.5 52.5#

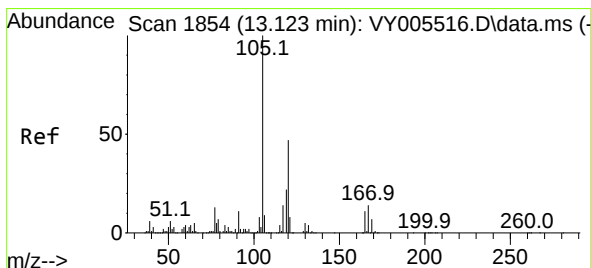
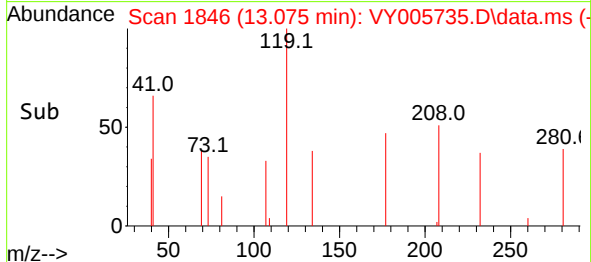
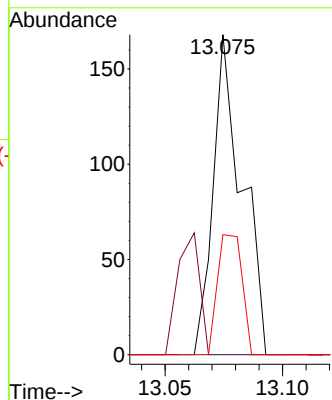
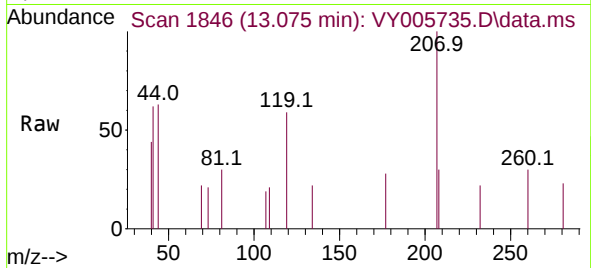




#83
tert-Butylbenzene
Concen: 1.042 ug/l
RT: 13.075 min Scan# 1846
Delta R.T. -0.006 min
Lab File: VY005735.D
Acq: 18 Aug 2021 13:26

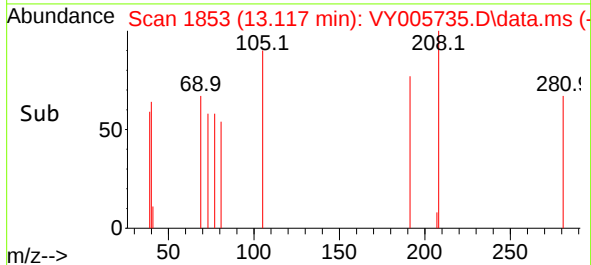
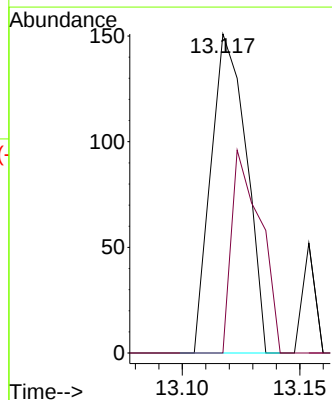
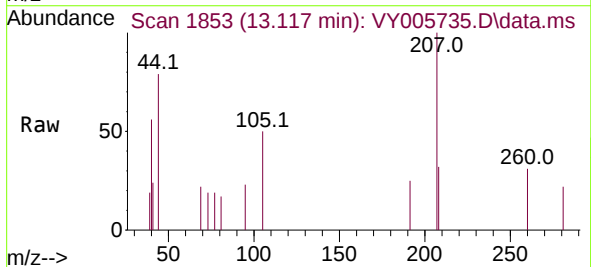
Instrument :
MSVOA_Y
ClientSampled :
PE-1

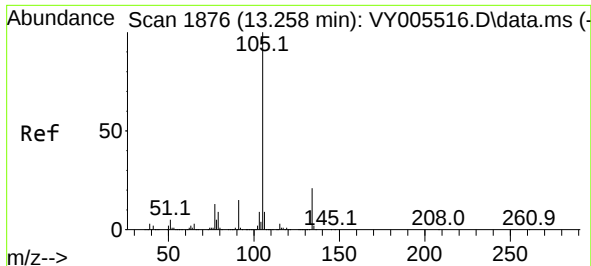
Tgt Ion:119 Resp: 143
Ion Ratio Lower Upper
119 100
91 29.4 31.9 95.9#
134 32.2 13.4 40.2



#84
1,2,4-Trimethylbenzene
Concen: 1.047 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. -0.006 min
Lab File: VY005735.D
Acq: 18 Aug 2021 13:26

Tgt Ion:105 Resp: 158
Ion Ratio Lower Upper
105 100
120 51.9 22.9 68.5

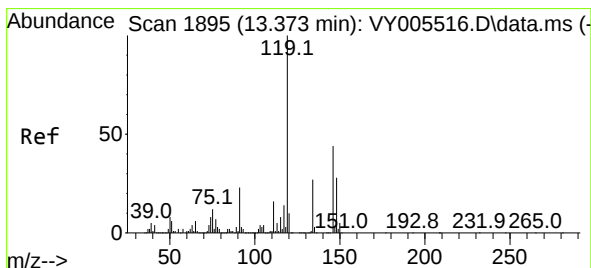
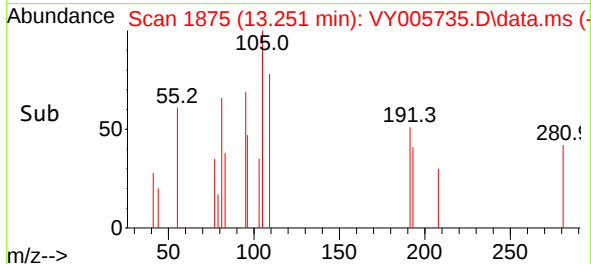
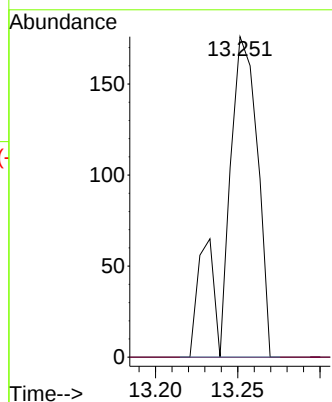
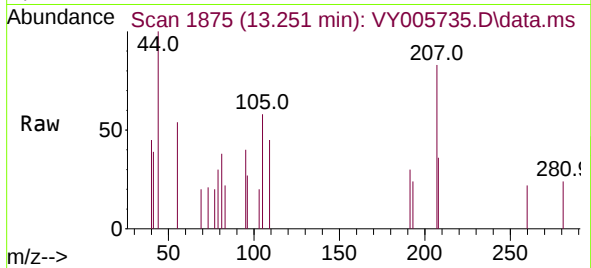




#85
 sec-Butylbenzene
 Concen: 1.217 ug/l
 RT: 13.251 min Scan# 1875
 Delta R.T. -0.006 min
 Lab File: VY005735.D
 Acq: 18 Aug 2021 13:26

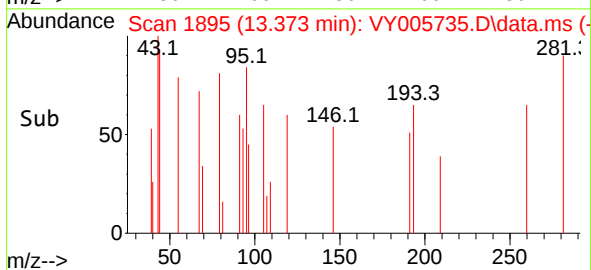
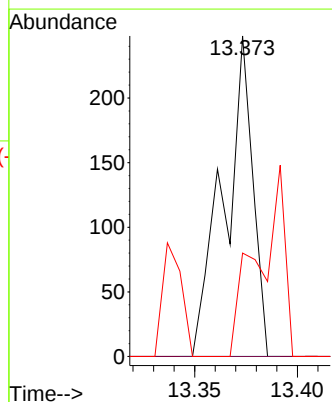
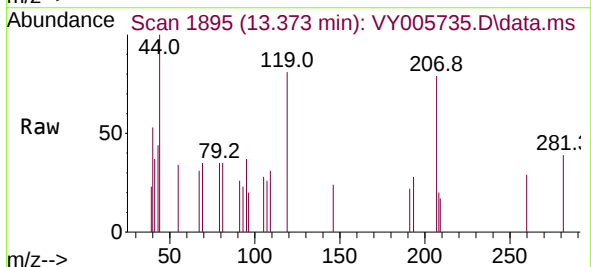
Instrument :
 MSVOA_Y
 ClientSampleId :
 PE-1

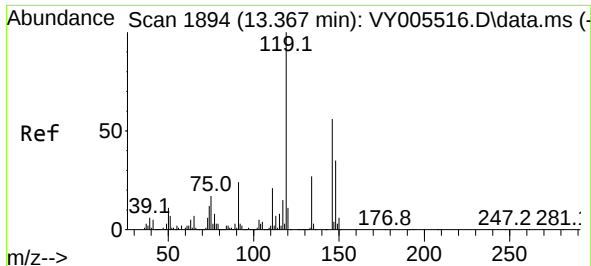
Tgt Ion:105 Resp: 241
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.5 31.5#



#86
 p-Isopropyltoluene
 Concen: 1.418 ug/l
 RT: 13.373 min Scan# 1895
 Delta R.T. -0.000 min
 Lab File: VY005735.D
 Acq: 18 Aug 2021 13:26

Tgt Ion:119 Resp: 241
 Ion Ratio Lower Upper
 119 100
 134 0.0 13.6 40.7#
 91 54.8 11.6 34.7#





#87

1,3-Dichlorobenzene

Concen: 1.120 ug/l

RT: 13.373 min Scan# 1895

Delta R.T. 0.006 min

Lab File: VY005735.D

Acq: 18 Aug 2021 13:26

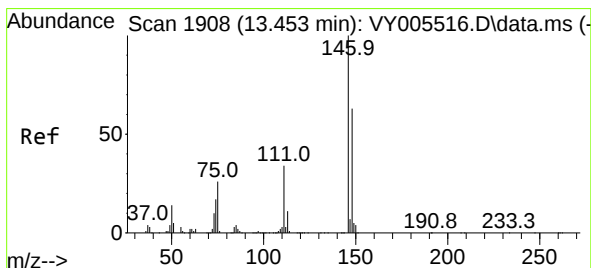
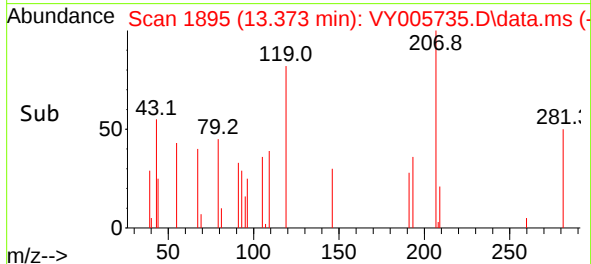
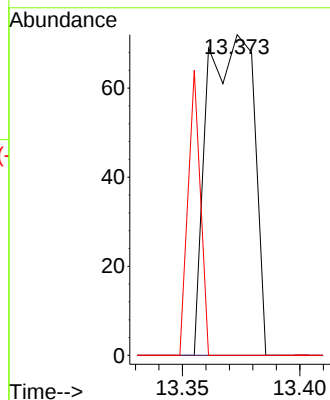
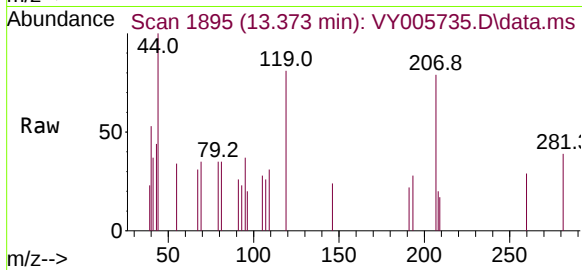
Tgt Ion:146 Resp: 99

Ion Ratio Lower Upper

146 100

111 0.0 18.6 56.0#

148 23.2 31.7 95.1#



#88

1,4-Dichlorobenzene

Concen: 2.053 ug/l

RT: 13.446 min Scan# 1907

Delta R.T. -0.006 min

Lab File: VY005735.D

Acq: 18 Aug 2021 13:26

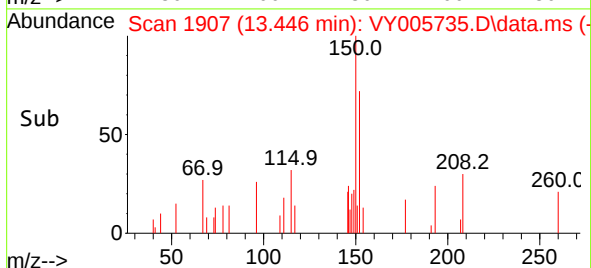
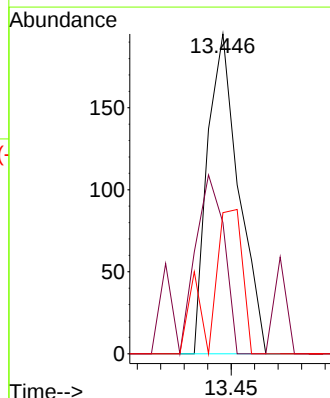
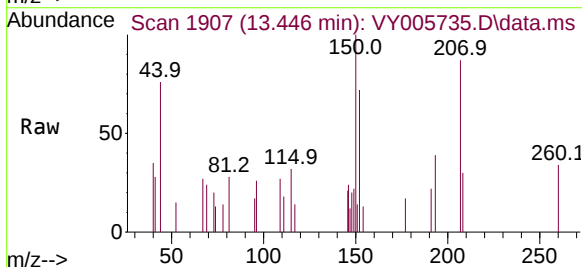
Tgt Ion:146 Resp: 180

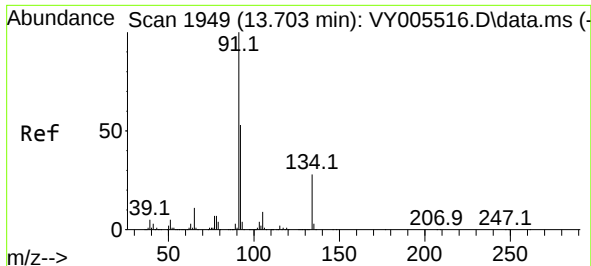
Ion Ratio Lower Upper

146 100

111 62.2 18.1 54.3#

148 45.6 31.8 95.3

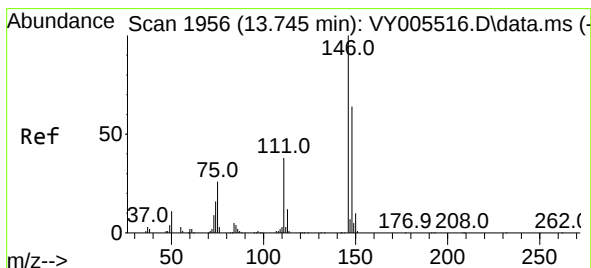
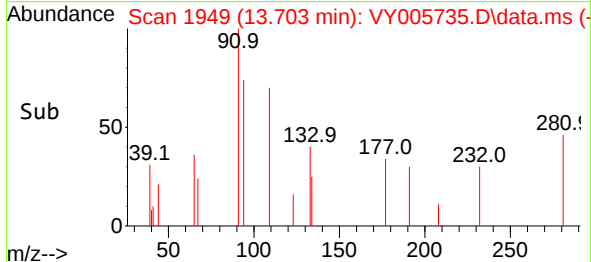
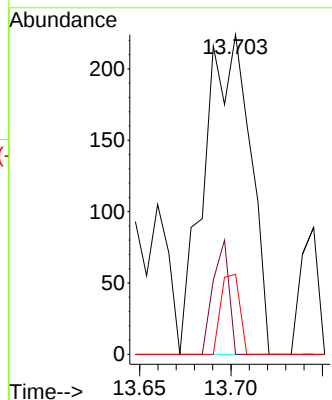
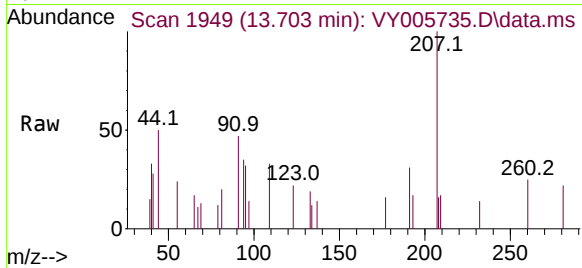




#89
n-Butylbenzene
Concen: 2.539 ug/l
RT: 13.703 min Scan# 1949
Delta R.T. -0.000 min
Lab File: VY005735.D
Acq: 18 Aug 2021 13:26

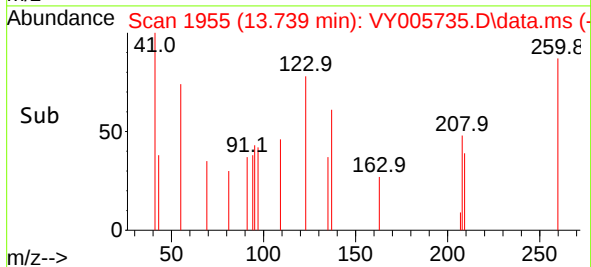
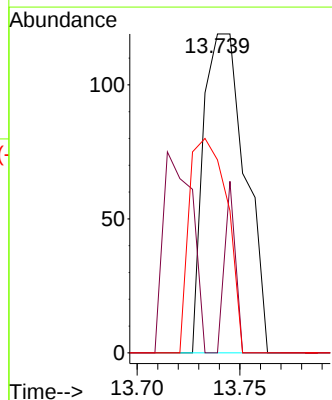
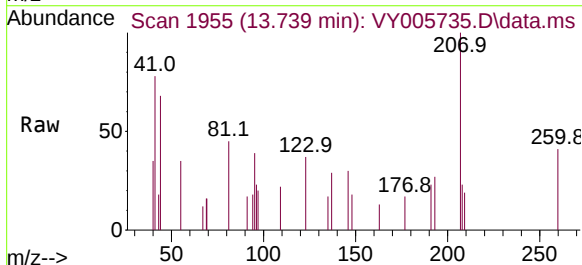
Instrument :
MSVOA_Y
ClientSampled :
PE-1

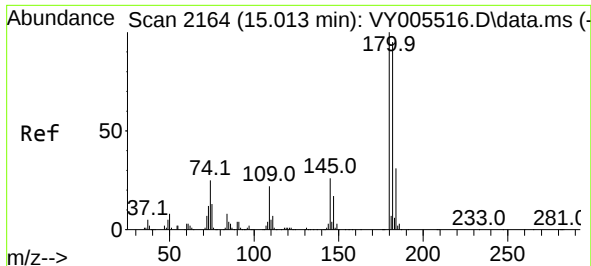
Tgt Ion:	91	Resp:	391
Ion	Ratio	Lower	Upper
91	100		
92	12.3	26.7	80.1#
134	10.2	13.8	41.4#



#91
1,2-Dichlorobenzene
Concen: 2.152 ug/l
RT: 13.739 min Scan# 1955
Delta R.T. -0.006 min
Lab File: VY005735.D
Acq: 18 Aug 2021 13:26

Tgt Ion:	146	Resp:	168
Ion	Ratio	Lower	Upper
146	100		
111	13.7	19.4	58.2#
148	60.7	31.9	95.5

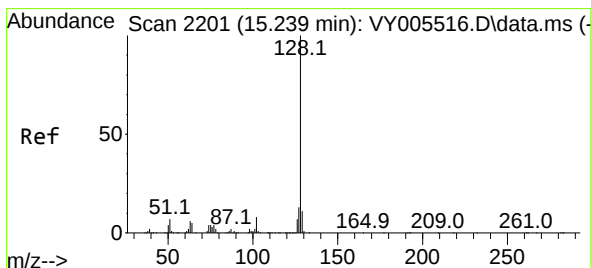
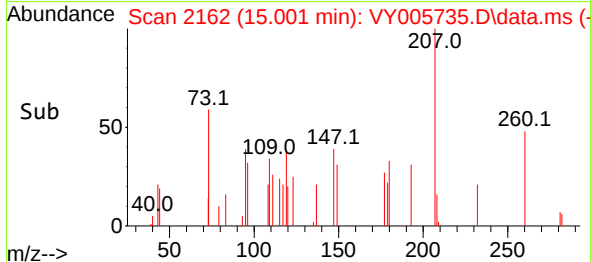
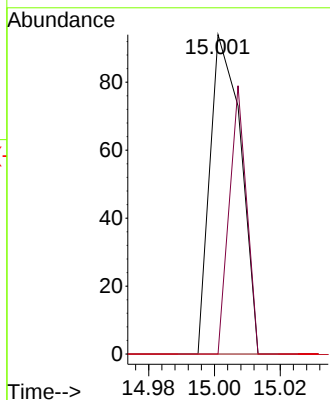
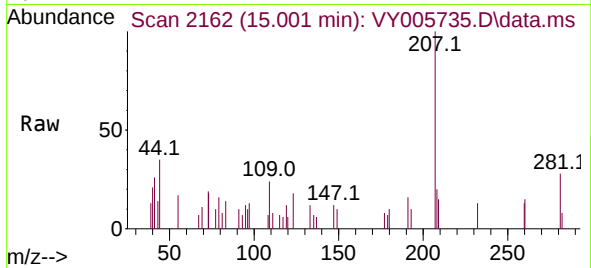




#93
1,2,4-Trichlorobenzene
Concen: 1.138 ug/l
RT: 15.001 min Scan# 2162
Delta R.T. -0.012 min
Lab File: VY005735.D
Acq: 18 Aug 2021 13:26

Instrument :
MSVOA_Y
ClientSampled :
PE-1

Tgt Ion:180 Resp: 61
Ion Ratio Lower Upper
180 100
182 47.5 47.8 143.4#
145 0.0 14.0 42.0#



#95
Naphthalene
Concen: 2.242 ug/l
RT: 15.227 min Scan# 2199
Delta R.T. -0.012 min
Lab File: VY005735.D
Acq: 18 Aug 2021 13:26

Tgt Ion:128 Resp: 237
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 10.5 8.7 13.1

