

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111721\
 Data File : VY006798.D
 Acq On : 17 Nov 2021 19:49
 Operator : SY/MD
 Sample : M4695-03
 Misc : 5.08G/5ML/MSVOA_Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 289

Quant Time: Nov 18 03:03:53 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111521S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 16 04:20:03 2021
 Response via : Initial Calibration

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

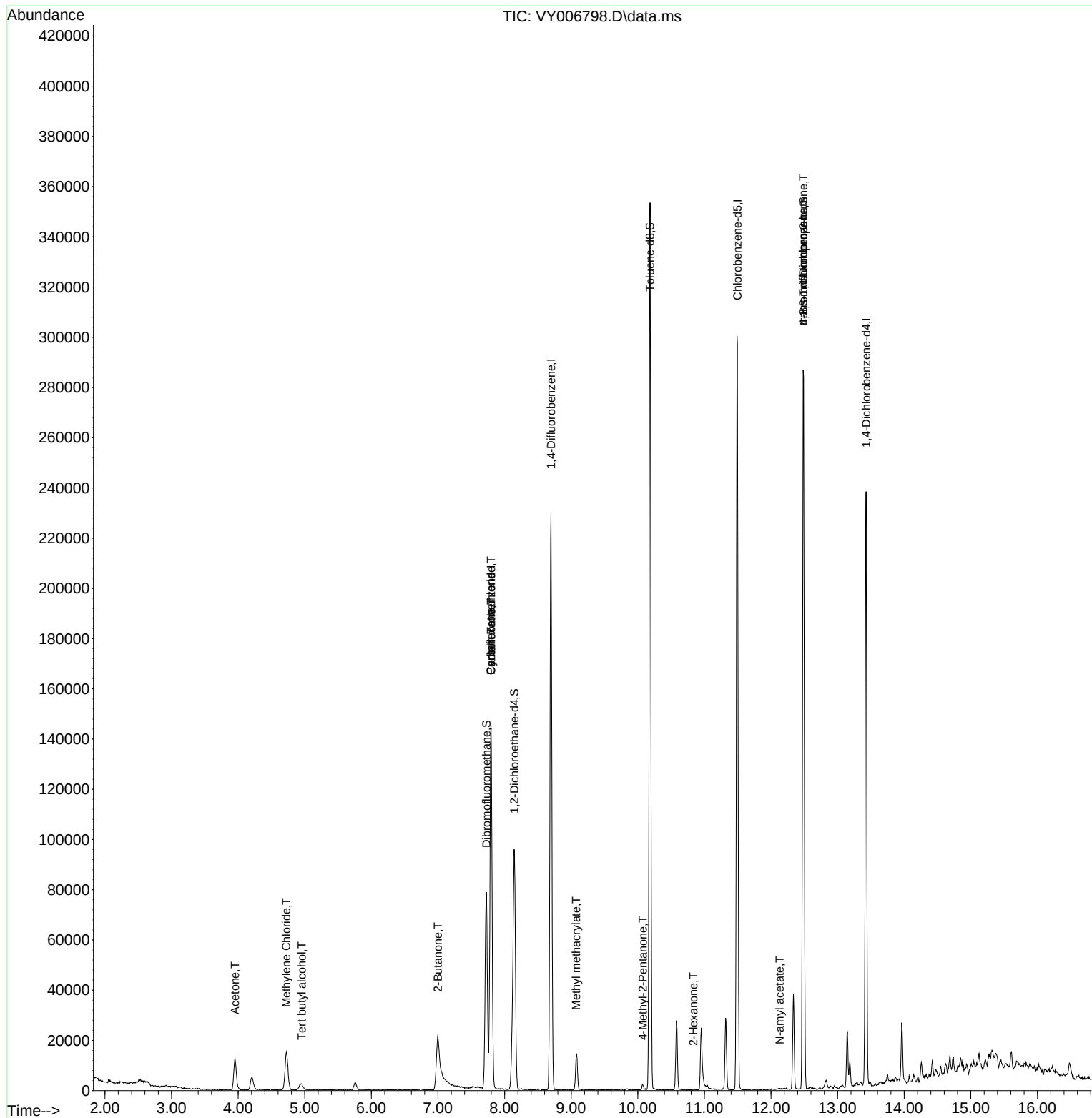
Internal Standards						
1) Pentafluorobenzene	7.795	168	107238	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	177129	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	158047	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	55666	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	68127	48.472	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.940%		
35) Dibromofluoromethane	7.728	113	53688	49.346	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.700%		
50) Toluene-d8	10.185	98	219744	48.807	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	97.620%		
62) 4-Bromofluorobenzene	12.483	95	61319	40.399	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	80.800%		
Target Compounds						Qvalue
11) Tert butyl alcohol	4.954	59	3880	18.357	ug/l #	80
16) Acetone	3.954	43	22047	51.629	ug/l	96
20) Methylene Chloride	4.722	84	10130	4.856	ug/l	94
25) 2-Butanone	6.996	43	1954	14.503	ug/l #	88
31) Cyclohexane	7.795	56	2906	1.176	ug/l #	28
38) Carbon Tetrachloride	7.795	117	10743	5.455	ug/l #	16
48) Methyl methacrylate	9.075	41	4013	3.508	ug/l #	38
51) 4-Methyl-2-Pentanone	10.075	43	1559	1.226	ug/l	91
59) 2-Hexanone	10.837	43	66	23.880	ug/l #	28
74) N-amyl acetate	12.129	43	183	3.267	ug/l #	53
76) 1,2,3-Trichloropropane	12.483	75	36143	59.720	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	36143	118.332	ug/l #	7

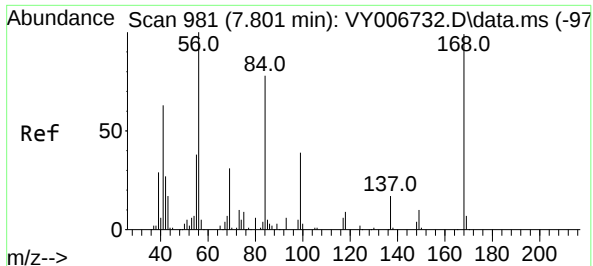
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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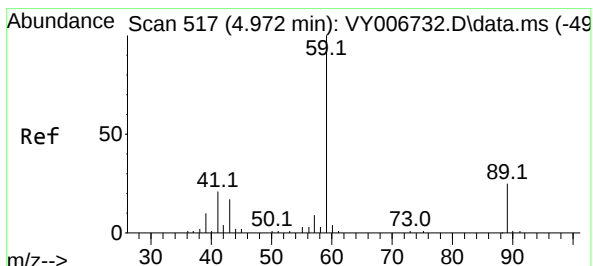
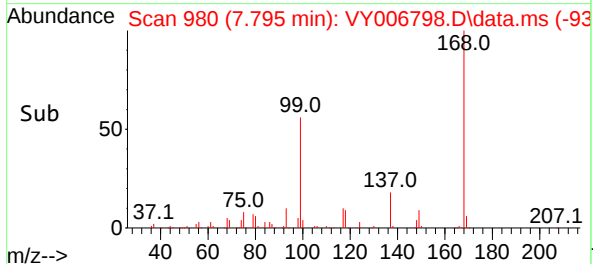
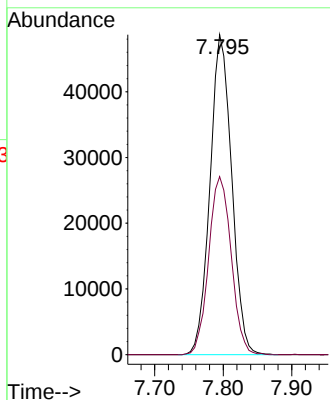
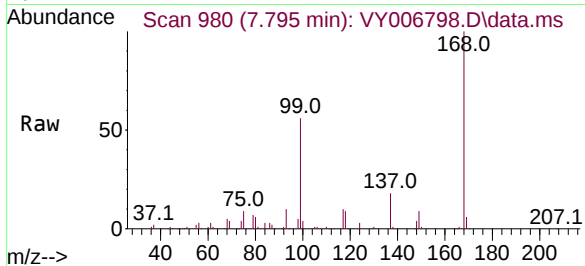




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY006798.D
Acq: 17 Nov 2021 19:49

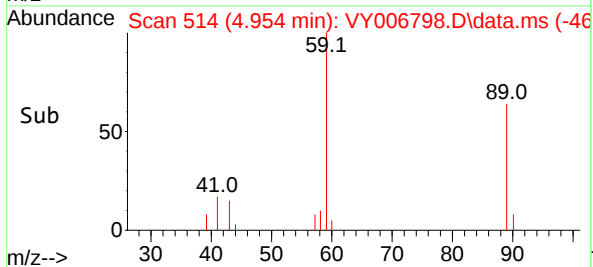
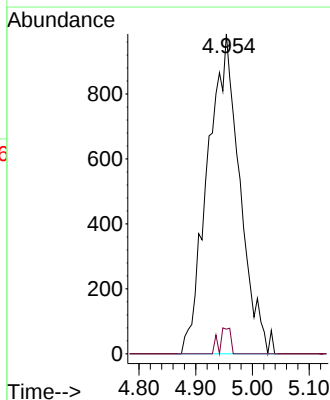
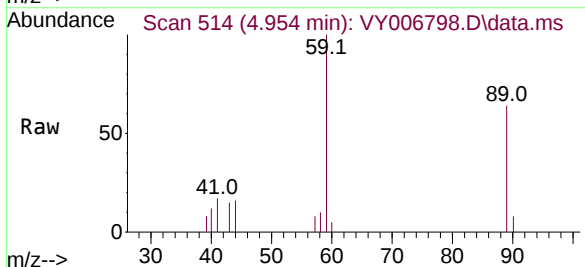
Instrument :
MSVOA_Y
ClientSampleId :
289

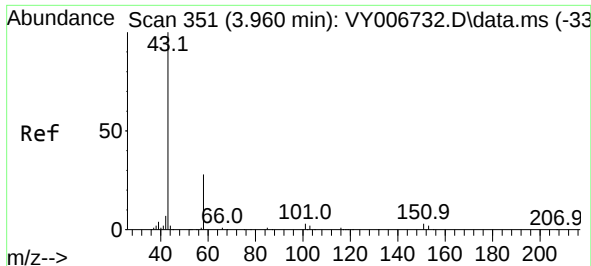
Tgt Ion:168 Resp: 107238
Ion Ratio Lower Upper
168 100
99 55.7 44.8 67.2



#11
Tert butyl alcohol
Concen: 18.357 ug/l
RT: 4.954 min Scan# 514
Delta R.T. -0.018 min
Lab File: VY006798.D
Acq: 17 Nov 2021 19:49

Tgt Ion: 59 Resp: 3880
Ion Ratio Lower Upper
59 100
57 2.8 8.2 12.4#

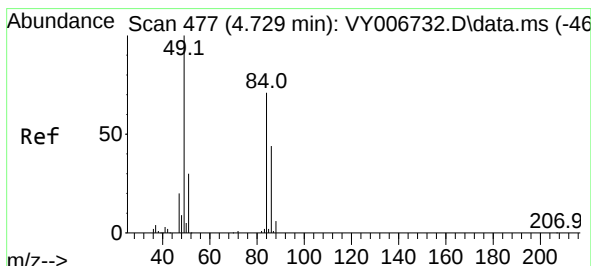
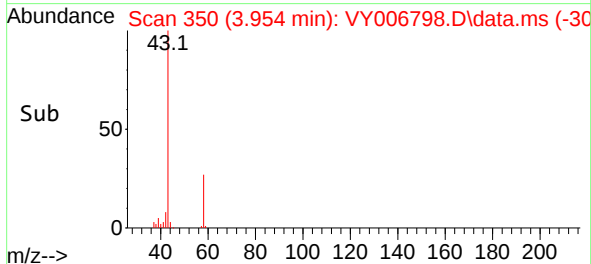
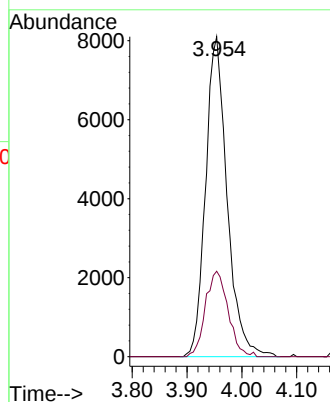
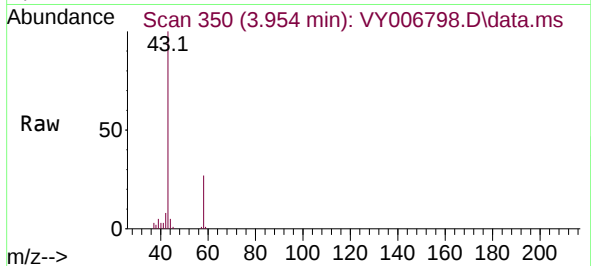




#16
Acetone
Concen: 51.629 ug/l
RT: 3.954 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY006798.D
Acq: 17 Nov 2021 19:49

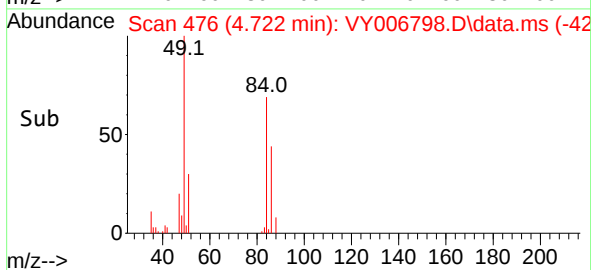
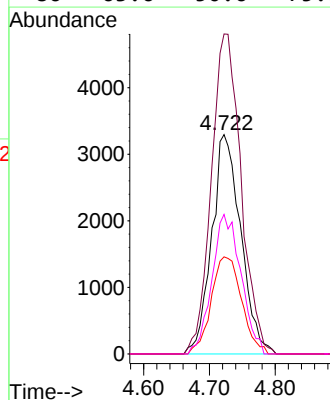
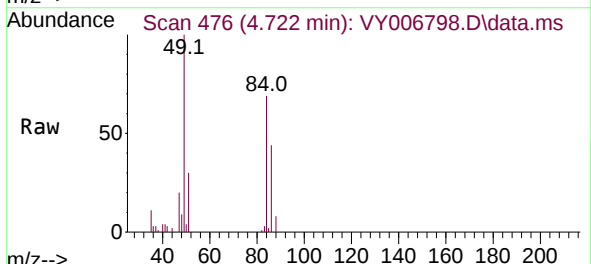
Instrument :
MSVOA_Y
ClientSampleId :
289

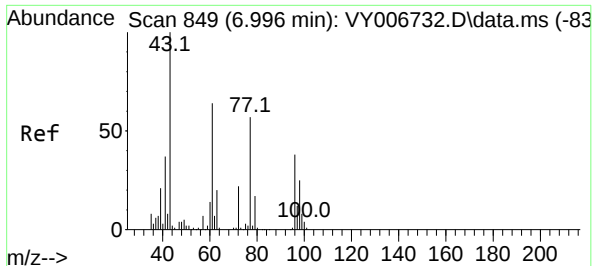
Tgt Ion: 43 Resp: 22047
Ion Ratio Lower Upper
43 100
58 26.7 22.9 34.3



#20
Methylene Chloride
Concen: 4.856 ug/l
RT: 4.722 min Scan# 476
Delta R.T. -0.007 min
Lab File: VY006798.D
Acq: 17 Nov 2021 19:49

Tgt Ion: 84 Resp: 10130
Ion Ratio Lower Upper
84 100
49 145.9 107.8 161.8
51 44.3 32.8 49.2
86 63.6 50.6 75.8





#25

2-Butanone

Concen: 14.503 ug/l

RT: 6.996 min Scan# 849

Delta R.T. 0.000 min

Lab File: VY006798.D

Acq: 17 Nov 2021 19:49

Instrument :

MSVOA_Y

ClientSampleId :

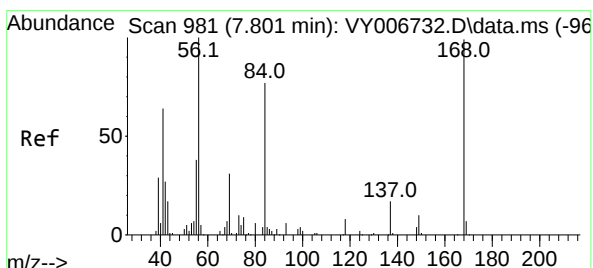
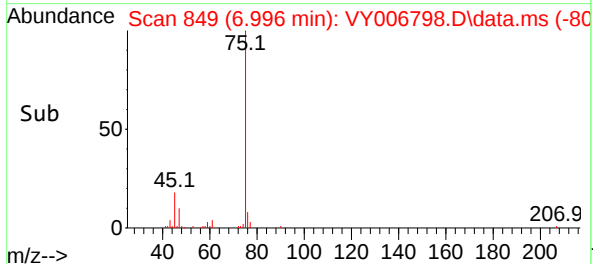
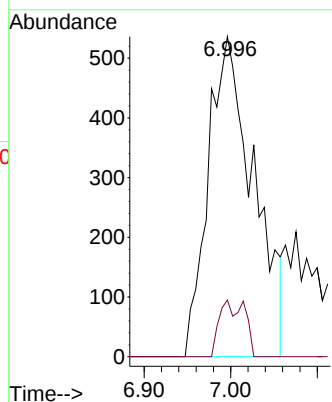
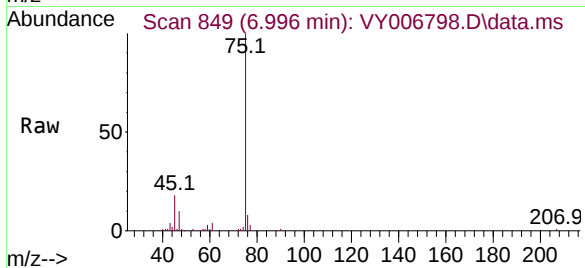
289

Tgt Ion: 43 Resp: 1954

Ion Ratio Lower Upper

43 100

72 17.7 18.9 28.3#



#31

Cyclohexane

Concen: 1.176 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.006 min

Lab File: VY006798.D

Acq: 17 Nov 2021 19:49

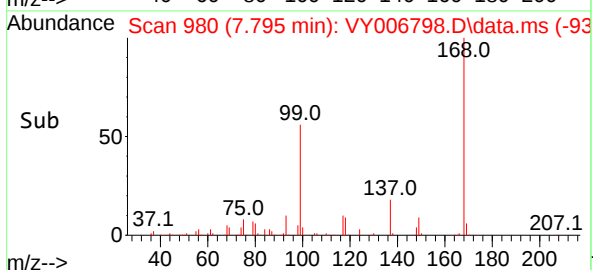
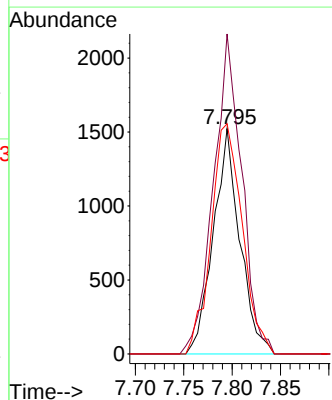
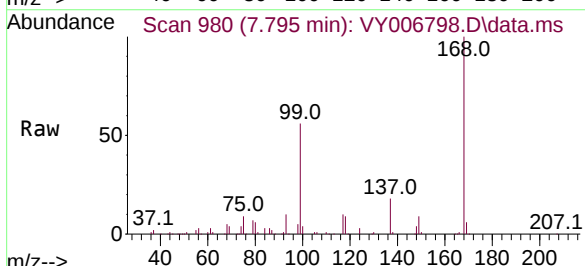
Tgt Ion: 56 Resp: 2906

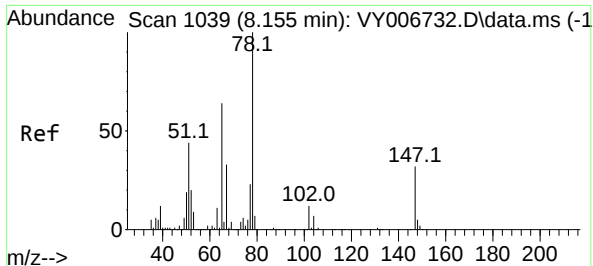
Ion Ratio Lower Upper

56 100

69 141.9 26.6 40.0#

84 102.1 65.0 97.4#





#33

1,2-Dichloroethane-d4

Concen: 48.472 ug/l

RT: 8.148 min Scan# 1039

Delta R.T. -0.006 min

Lab File: VY006798.D

Acq: 17 Nov 2021 19:49

Instrument :

MSVOA_Y

ClientSampleId :

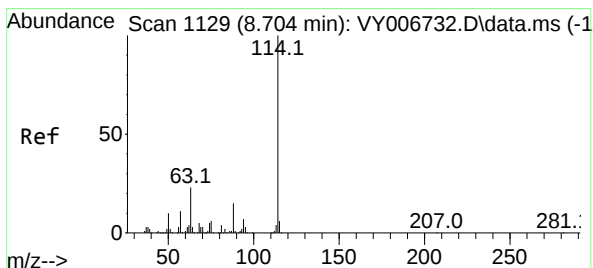
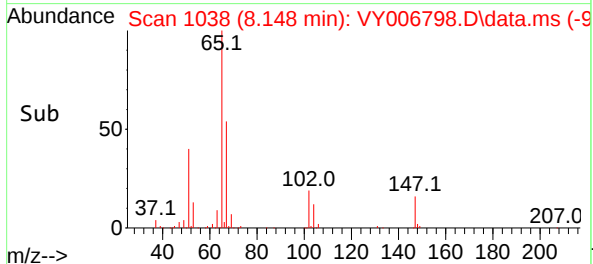
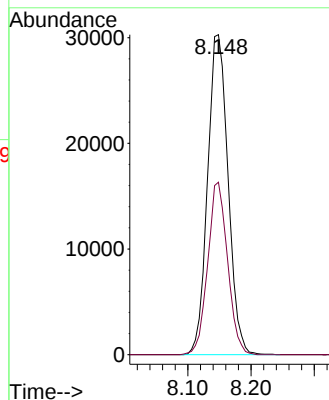
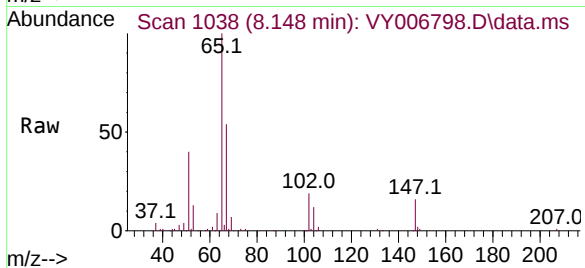
289

Tgt Ion: 65 Resp: 68127

Ion Ratio Lower Upper

65 100

67 52.2 0.0 98.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. -0.006 min

Lab File: VY006798.D

Acq: 17 Nov 2021 19:49

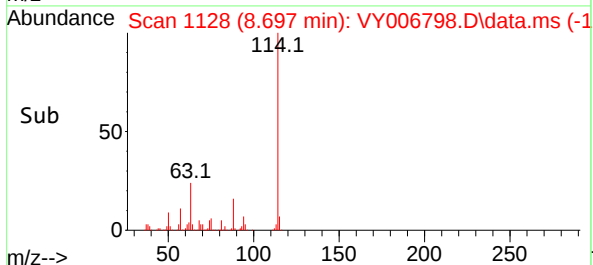
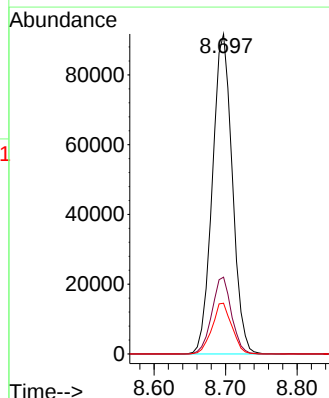
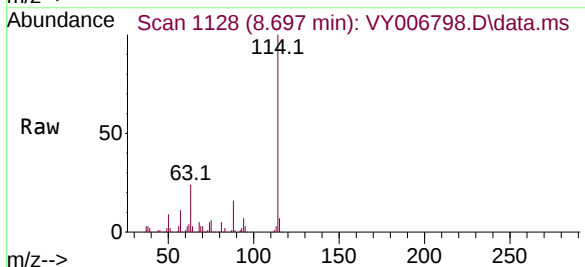
Tgt Ion: 114 Resp: 177129

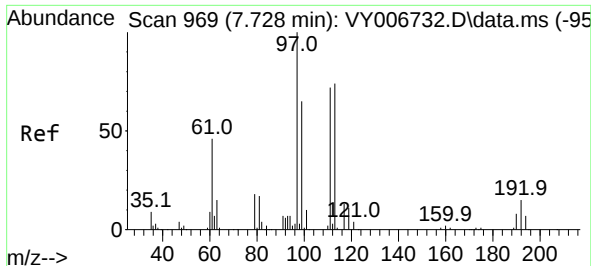
Ion Ratio Lower Upper

114 100

63 24.0 0.0 45.0

88 15.9 0.0 30.6

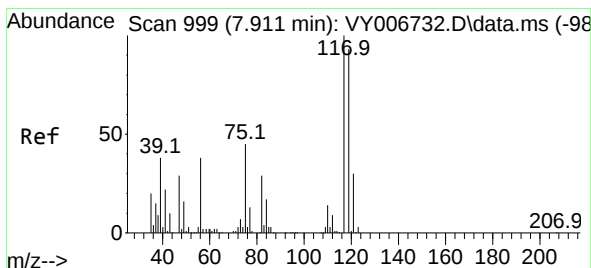
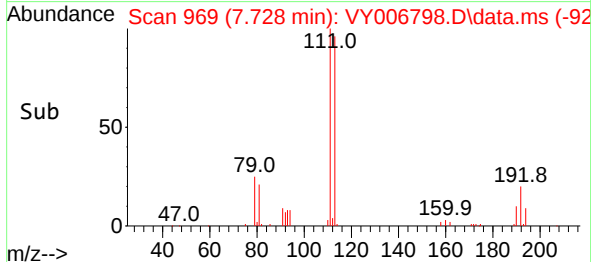
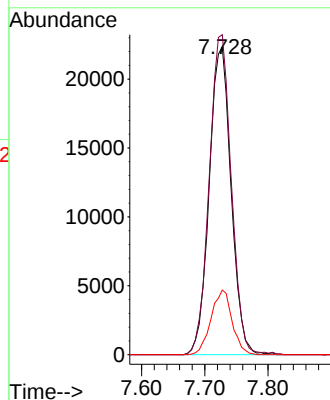
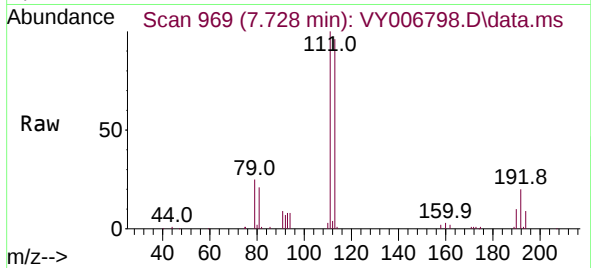




#35
Dibromofluoromethane
Concen: 49.346 ug/l
RT: 7.728 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY006798.D
Acq: 17 Nov 2021 19:49

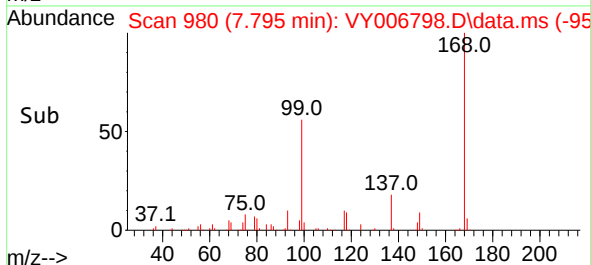
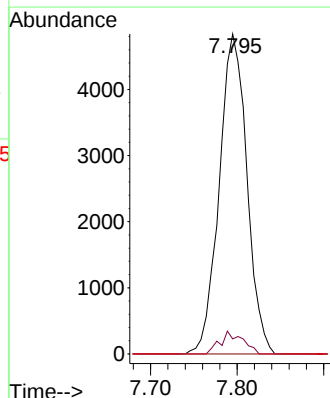
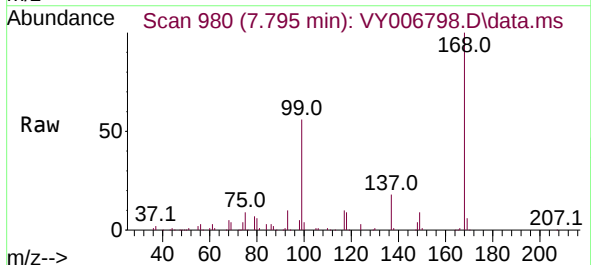
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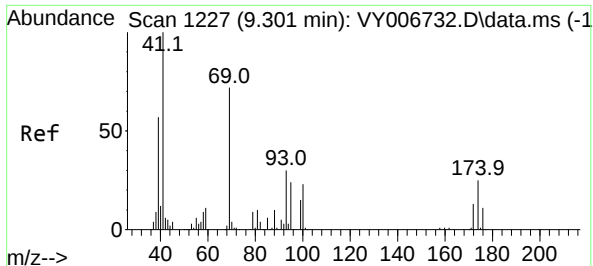
Tgt Ion:113 Resp: 53688
Ion Ratio Lower Upper
113 100
111 104.8 82.3 123.5
192 20.2 17.4 26.2



#38
Carbon Tetrachloride
Concen: 5.455 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.116 min
Lab File: VY006798.D
Acq: 17 Nov 2021 19:49

Tgt Ion:117 Resp: 10743
Ion Ratio Lower Upper
117 100
119 4.7 76.6 115.0#
121 0.0 24.7 37.1#

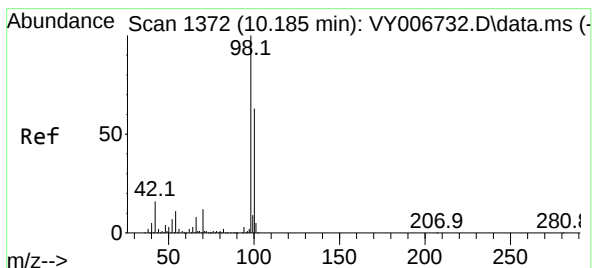
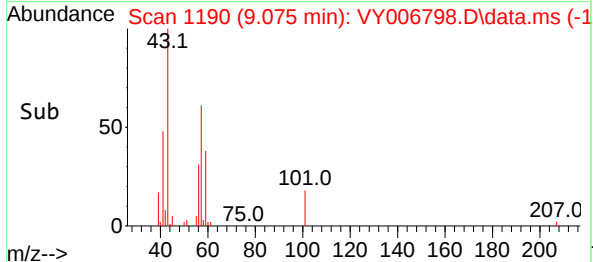
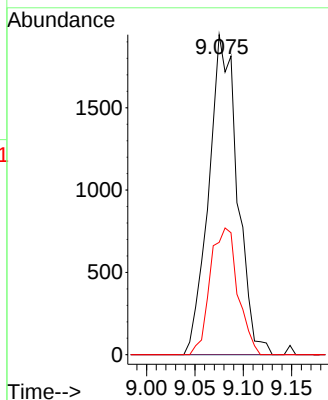
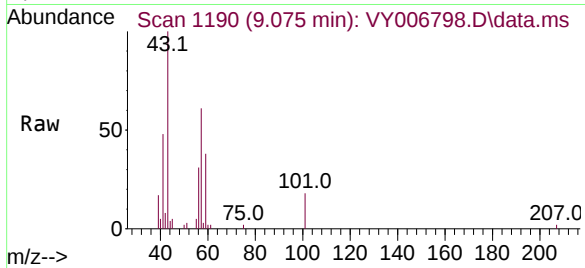




#48
Methyl methacrylate
Concen: 3.508 ug/l
RT: 9.075 min Scan# 1190
Delta R.T. -0.226 min
Lab File: VY006798.D
Acq: 17 Nov 2021 19:49

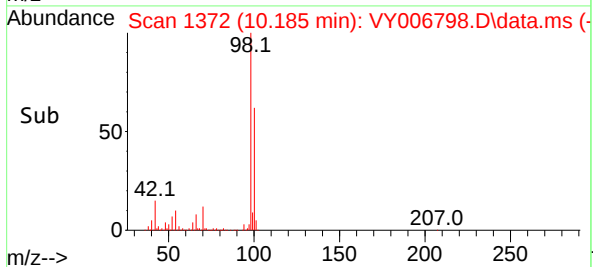
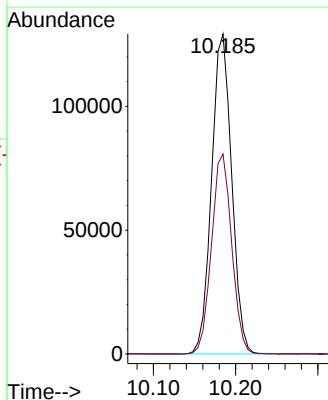
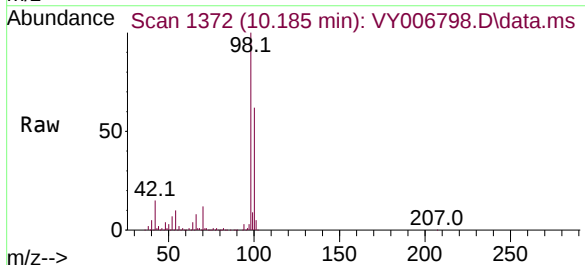
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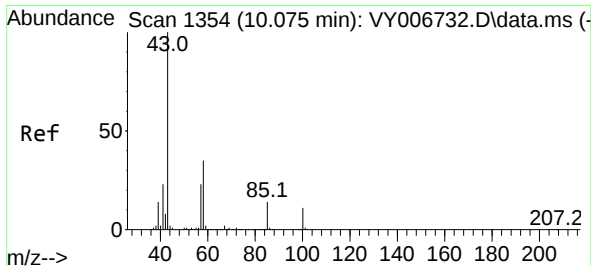
Tgt Ion: 41 Resp: 4013
Ion Ratio Lower Upper
41 100
69 0.0 60.4 90.6#
39 38.2 48.2 72.2#



#50
Toluene-d8
Concen: 48.807 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY006798.D
Acq: 17 Nov 2021 19:49

Tgt Ion: 98 Resp: 219744
Ion Ratio Lower Upper
98 100
100 62.8 50.9 76.3

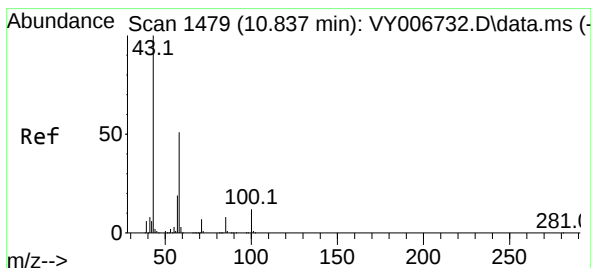
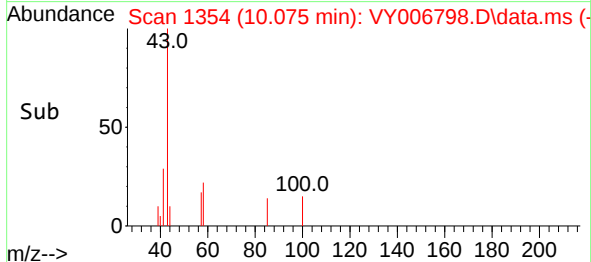
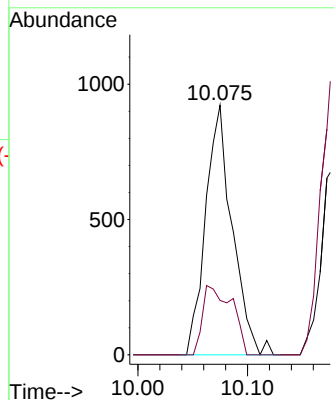
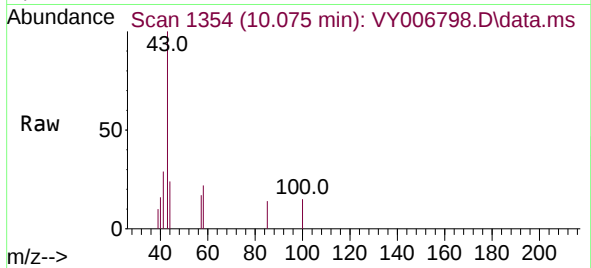




#51
4-Methyl-2-Pentanone
Concen: 1.226 ug/l
RT: 10.075 min Scan# 1354
Delta R.T. -0.000 min
Lab File: VY006798.D
Acq: 17 Nov 2021 19:49

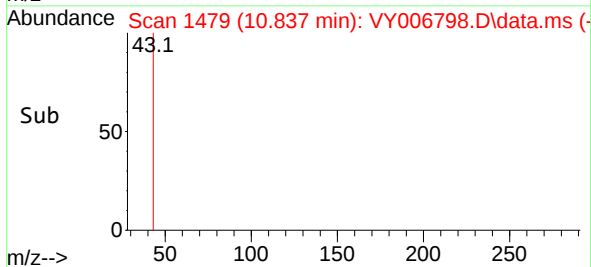
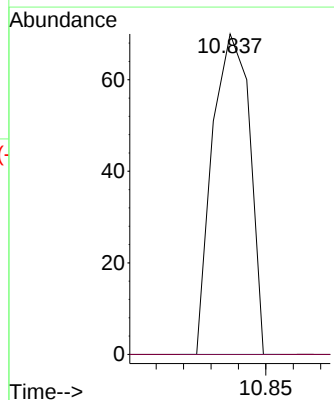
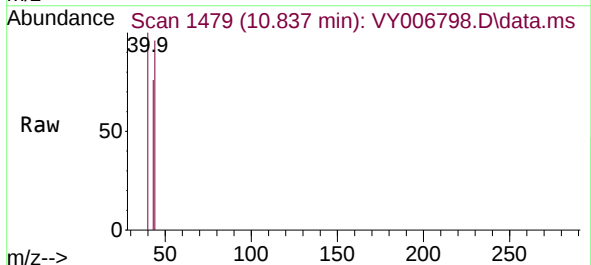
Instrument :
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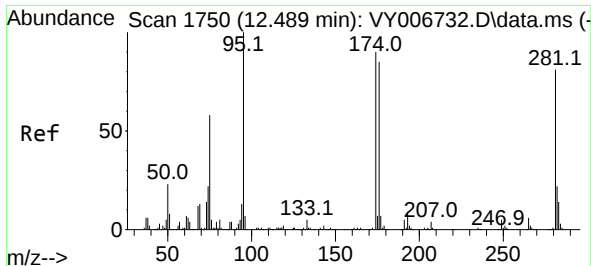
Tgt Ion: 43 Resp: 1559
Ion Ratio Lower Upper
43 100
58 30.3 28.7 43.1



#59
2-Hexanone
Concen: 23.880 ug/l
RT: 10.837 min Scan# 1479
Delta R.T. -0.000 min
Lab File: VY006798.D
Acq: 17 Nov 2021 19:49

Tgt Ion: 43 Resp: 66
Ion Ratio Lower Upper
43 100
58 0.0 24.6 73.6#

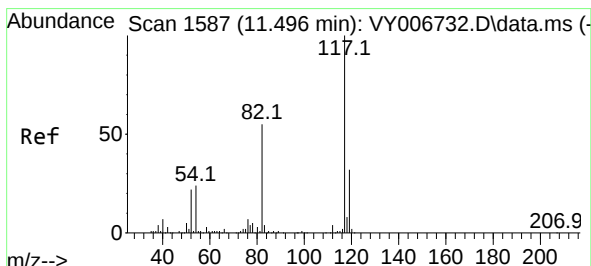
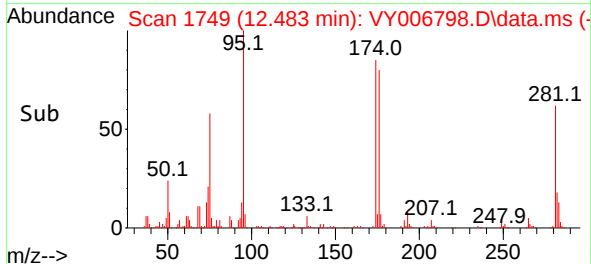
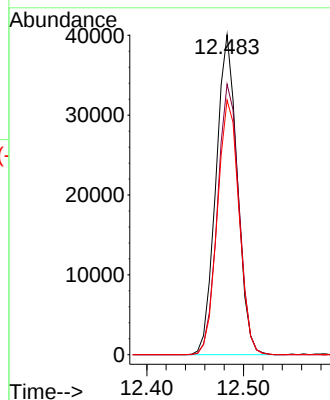
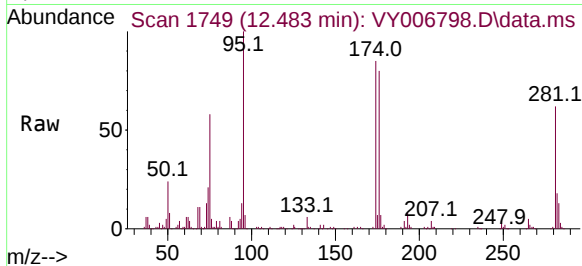




#62
4-Bromofluorobenzene
Concen: 40.399 ug/l
RT: 12.483 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY006798.D
Acq: 17 Nov 2021 19:49

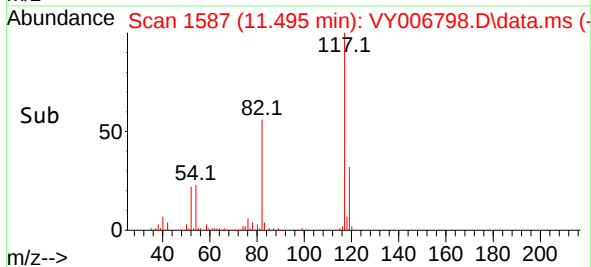
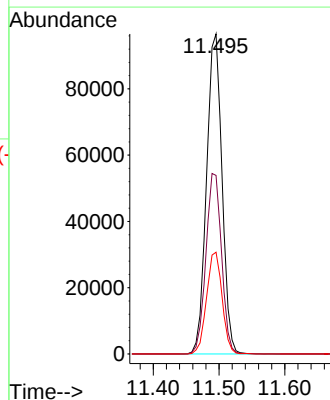
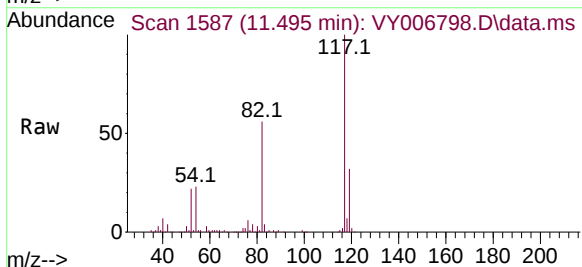
Instrument :
MSVOA_Y
ClientSampleId :
289

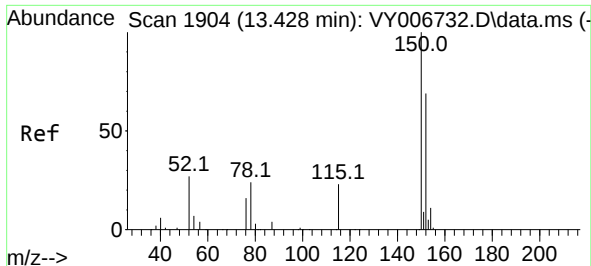
Tgt Ion: 95 Resp: 61319
Ion Ratio Lower Upper
95 100
174 85.1 0.0 177.0
176 80.8 0.0 169.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.495 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VY006798.D
Acq: 17 Nov 2021 19:49

Tgt Ion: 117 Resp: 158047
Ion Ratio Lower Upper
117 100
82 55.8 45.7 68.5
119 31.8 25.5 38.3

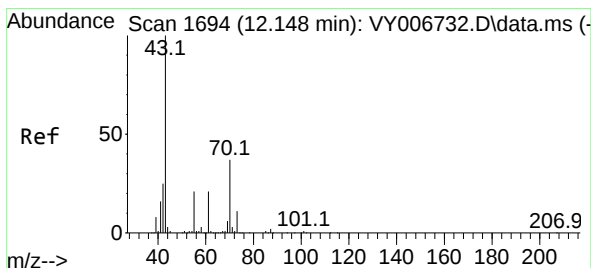
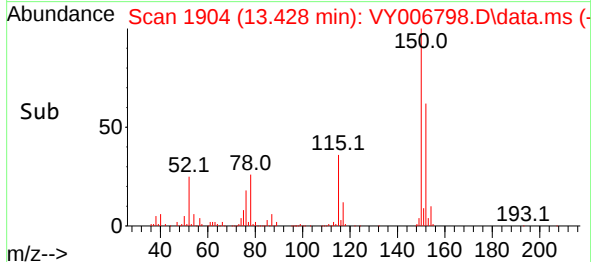
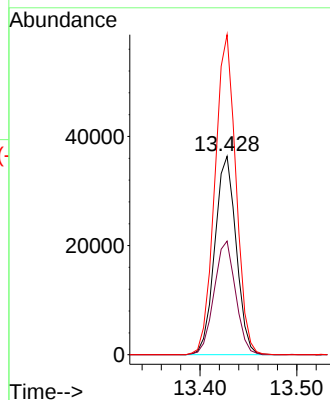
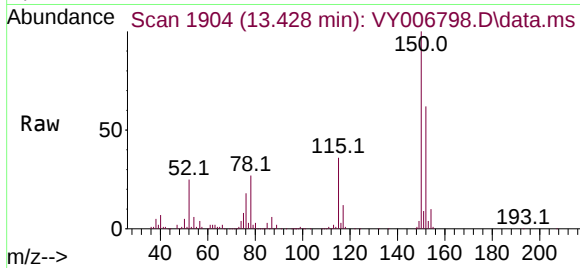




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY006798.D
Acq: 17 Nov 2021 19:49

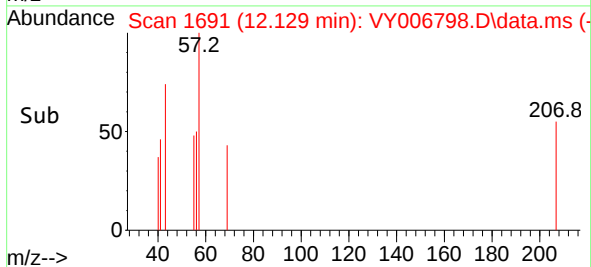
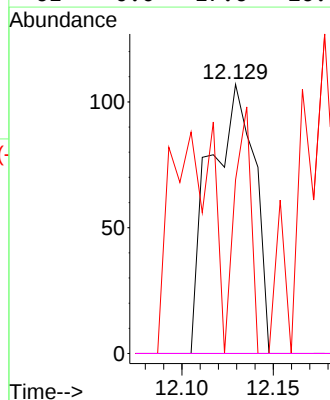
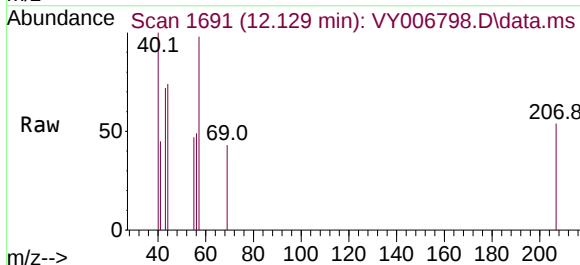
Instrument :
MSVOA_Y
ClientSampleId :
289

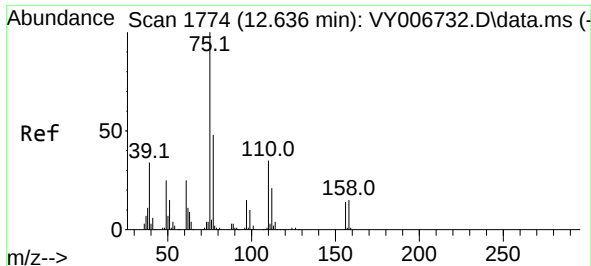
Tgt Ion:152 Resp: 55666
Ion Ratio Lower Upper
152 100
115 57.8 28.5 85.5
150 159.0 0.0 348.2



#74
N-ethyl acetate
Concen: 3.267 ug/l
RT: 12.129 min Scan# 1691
Delta R.T. -0.019 min
Lab File: VY006798.D
Acq: 17 Nov 2021 19:49

Tgt Ion: 43 Resp: 183
Ion Ratio Lower Upper
43 100
70 0.0 29.4 44.0#
55 33.3 18.1 27.1#
61 0.0 17.6 26.4#

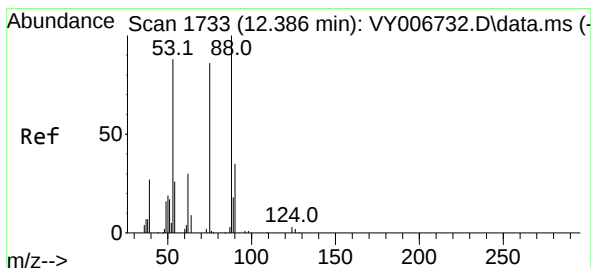
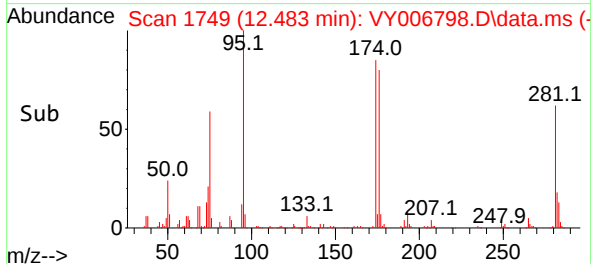
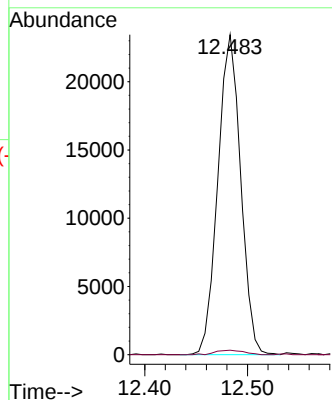
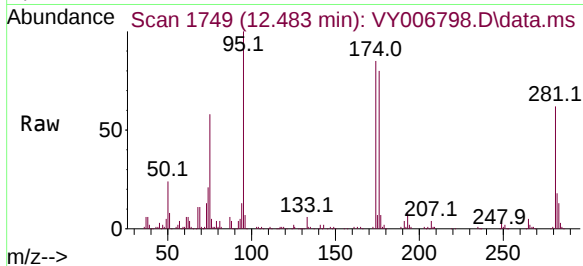




#76
1,2,3-Trichloropropane
Concen: 59.720 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY006798.D
Acq: 17 Nov 2021 19:49

Instrument :
MSVOA_Y
ClientSampleId :
289

Tgt Ion: 75 Resp: 36143
Ion Ratio Lower Upper
75 100
77 1.8 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 118.332 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.097 min
Lab File: VY006798.D
Acq: 17 Nov 2021 19:49

Tgt Ion: 75 Resp: 36143
Ion Ratio Lower Upper
75 100
53 0.0 85.8 128.6#
89 0.6 39.3 58.9#

