

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111522\
 Data File : VY011456.D
 Acq On : 15 Nov 2022 14:28
 Operator : KP/MD
 Sample : N5417-02
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 AUD-1732

Quant Time: Nov 16 00:21:16 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111022S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 10 17:47:26 2022
 Response via : Initial Calibration

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

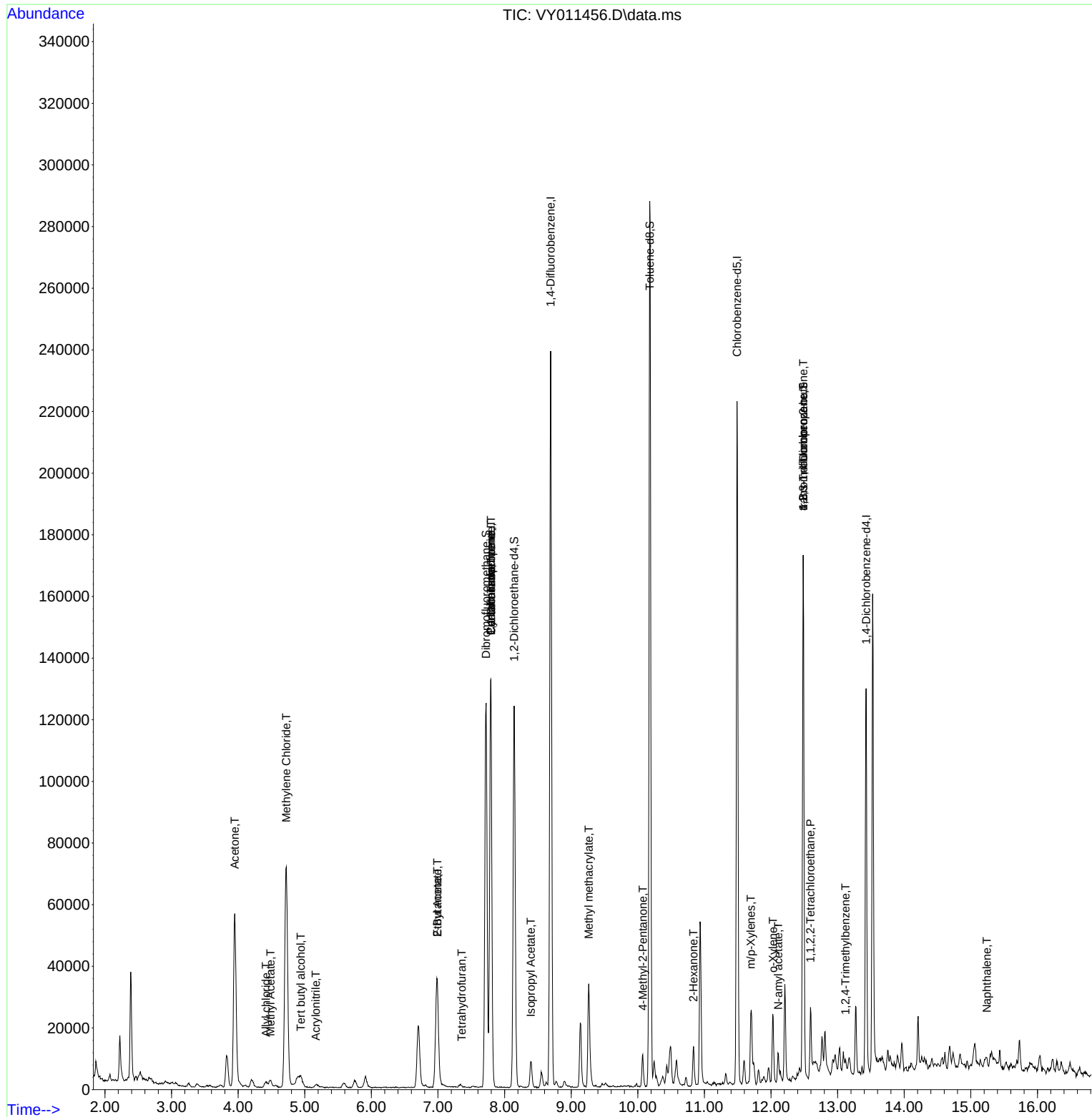
Internal Standards						
1) Pentafluorobenzene	7.795	168	109374	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	213742	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	130744	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	34328	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	93823	102.369	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 204.740%#	
35) Dibromofluoromethane	7.722	113	92732	77.415	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 154.820%#	
50) Toluene-d8	10.179	98	202687	44.292	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 88.580%	
62) 4-Bromofluorobenzene	12.483	95	51354	32.174	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 64.340%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	103	Below Cal	#	43
11) Tert butyl alcohol	4.942	59	5576	21.759	ug/l #	87
13) Acrolein	3.735	56	1116	Below Cal	#	78
14) Allyl chloride	4.418	41	3421	2.583	ug/l #	40
15) Acrylonitrile	5.167	53	1307	4.764	ug/l	95
16) Acetone	3.948	43	95953	396.742	ug/l #	79
18) Methyl Acetate	4.485	43	4754	6.103	ug/l	92
20) Methylene Chloride	4.722	84	61061	45.819	ug/l #	76
25) 2-Butanone	6.990	43	39675	115.167	ug/l #	78
29) Tetrahydrofuran	7.356	42	275	1.318	ug/l #	44
31) Cyclohexane	7.795	56	1853	1.125	ug/l #	1
36) 1,1-Dichloropropene	7.795	75	7578	4.076	ug/l #	51
37) Ethyl Acetate	6.990	43	39675	44.425	ug/l #	75
38) Carbon Tetrachloride	7.795	117	10189	5.038	ug/l #	15
43) Isopropyl Acetate	8.393	43	2743	1.703	ug/l #	56
48) Methyl methacrylate	9.264	41	9276	12.812	ug/l #	45
51) 4-Methyl-2-Pentanone	10.075	43	6542	7.551	ug/l #	84
59) 2-Hexanone	10.837	43	7511	12.238	ug/l	83
68) m/p-Xylenes	11.697	106	7845	4.376	ug/l	96
69) o-Xylene	12.032	106	3498	2.069	ug/l	96
74) N-amyl acetate	12.111	43	5407	10.832	ug/l #	53
75) 1,1,2,2-Tetrachloroethane	12.593	83	1813	3.977	ug/l #	45
76) 1,2,3-Trichloropropane	12.483	75	23398	58.884	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	23398	141.540	ug/l #	7
84) 1,2,4-Trimethylbenzene	13.117	105	3036	1.546	ug/l	80
95) Naphthalene	15.239	128	3124	5.523	ug/l #	82

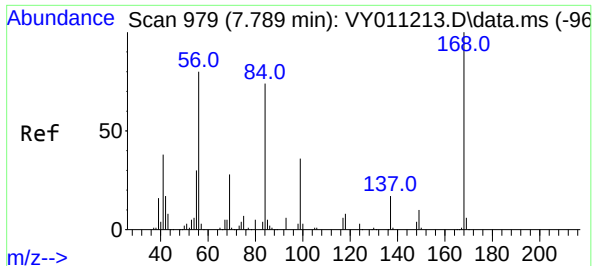
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111522\
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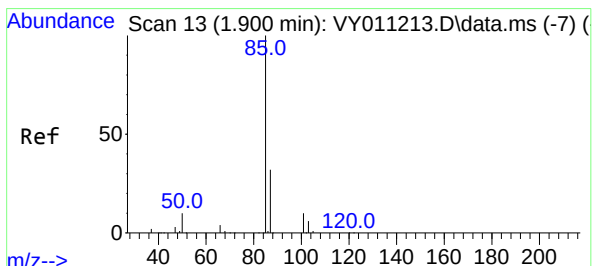
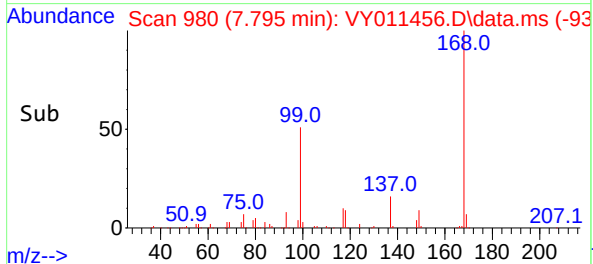
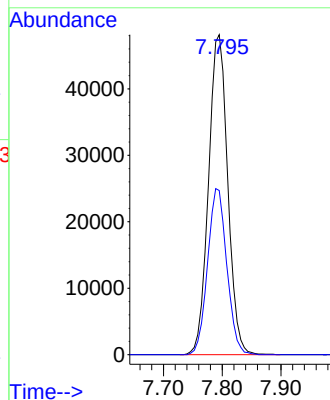
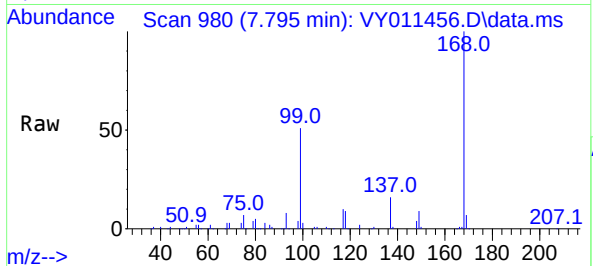




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY011456.D
Acq: 15 Nov 2022 14:28

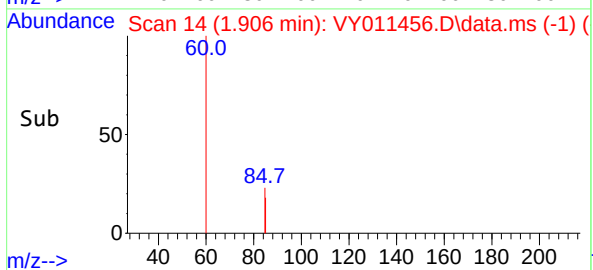
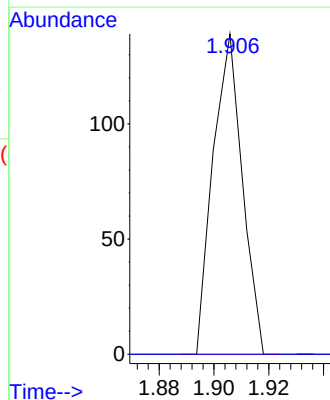
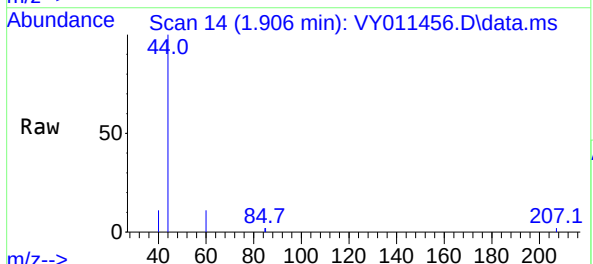
Instrument :
MSVOA_Y
ClientSampleId :
AUD-1732

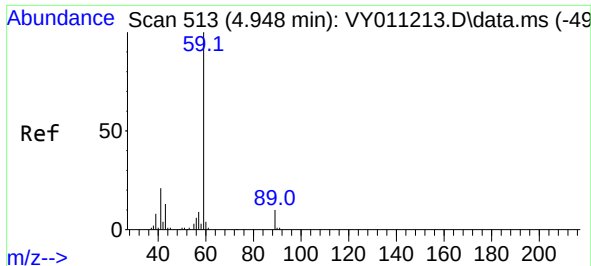
Tgt Ion:168 Resp: 109374
Ion Ratio Lower Upper
168 100
99 51.3 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY011456.D
Acq: 15 Nov 2022 14:28

Tgt Ion: 85 Resp: 103
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

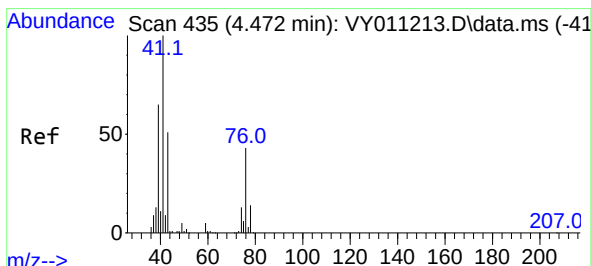
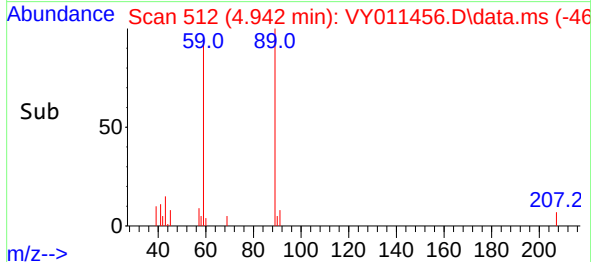
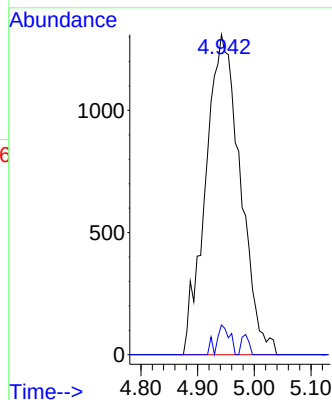
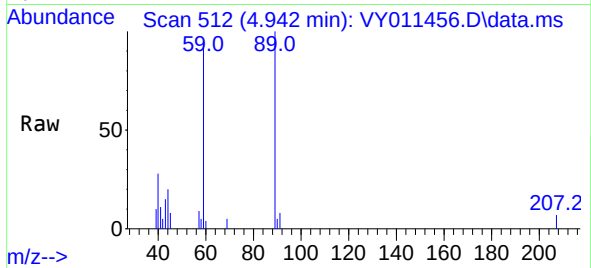




#11
Tert butyl alcohol
Concen: 21.759 ug/l
RT: 4.942 min Scan# 513
Delta R.T. -0.012 min
Lab File: VY011456.D
Acq: 15 Nov 2022 14:28

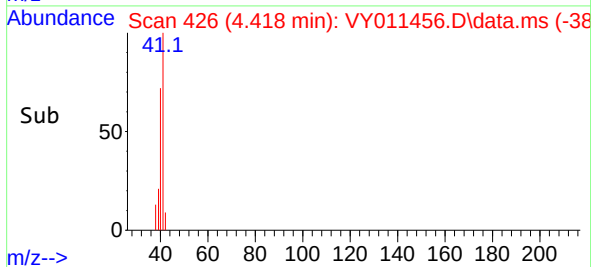
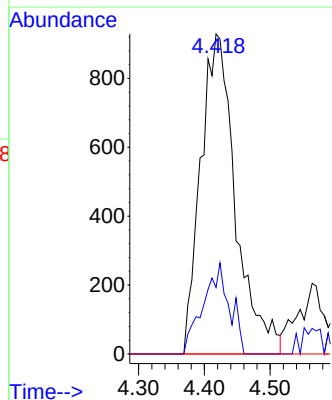
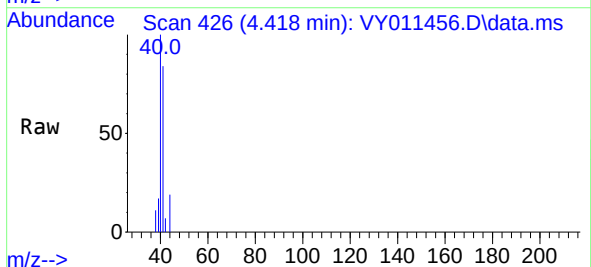
Instrument :
MSVOA_Y
ClientSampleId :
AUD-1732

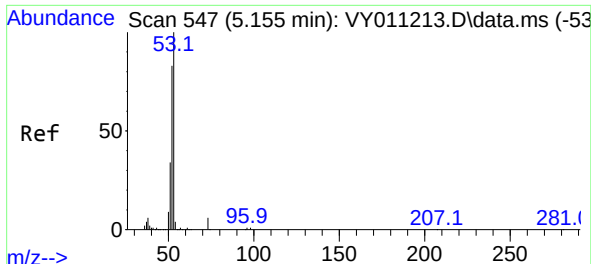
Tgt Ion: 59 Resp: 5576
Ion Ratio Lower Upper
59 100
57 3.5 6.4 9.6#



#14
Allyl chloride
Concen: 2.583 ug/l
RT: 4.418 min Scan# 426
Delta R.T. -0.055 min
Lab File: VY011456.D
Acq: 15 Nov 2022 14:28

Tgt Ion: 41 Resp: 3421
Ion Ratio Lower Upper
41 100
39 21.4 58.8 88.2#
76 0.0 25.1 37.7#

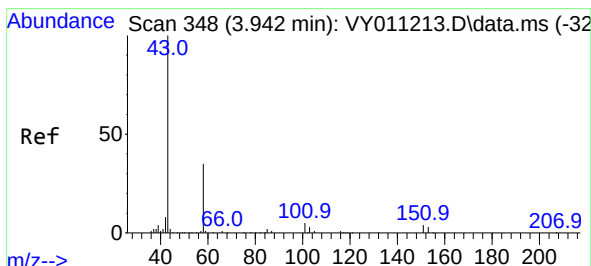
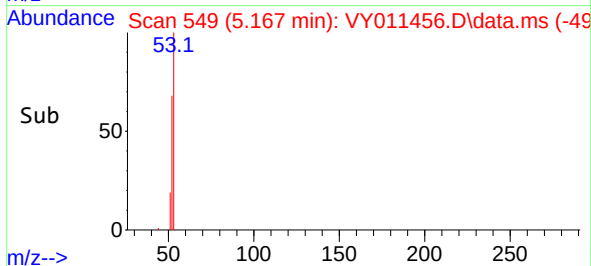
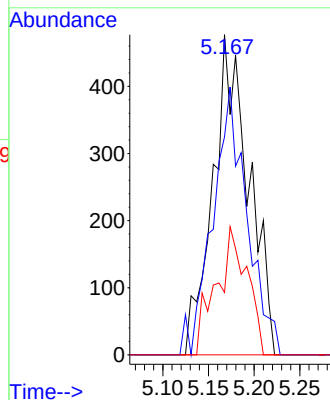
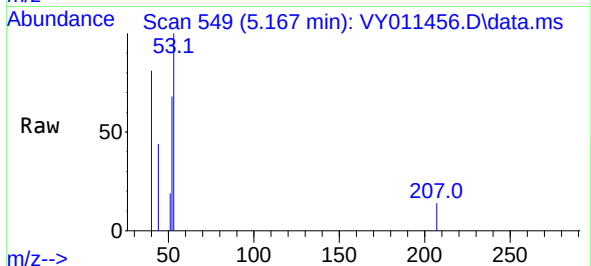




#15
Acrylonitrile
Concen: 4.764 ug/l
RT: 5.167 min Scan# 54
Delta R.T. 0.012 min
Lab File: VY011456.D
Acq: 15 Nov 2022 14:28

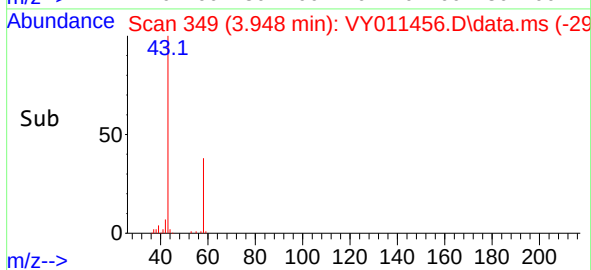
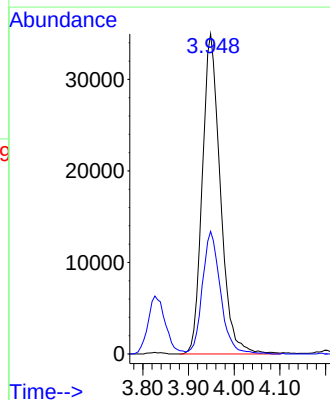
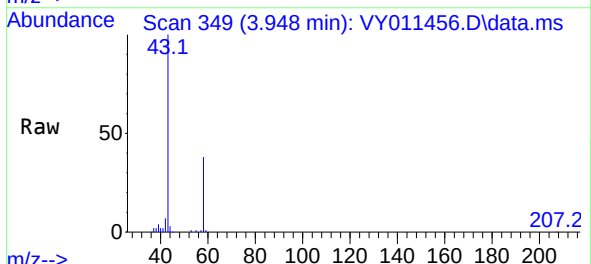
Instrument :
MSVOA_Y
ClientSampleId :
AUD-1732

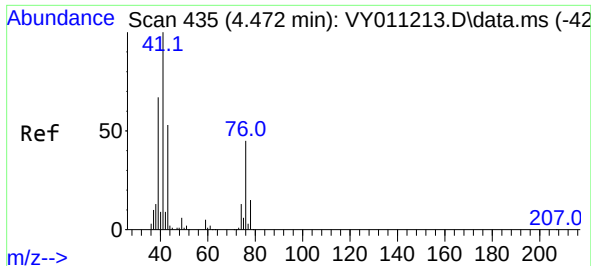
Tgt Ion: 53	Resp:	1307
Ion	Ratio	Lower Upper
53	100	
52	79.8	67.0 100.4
51	34.2	29.8 44.6



#16
Acetone
Concen: 396.742 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY011456.D
Acq: 15 Nov 2022 14:28

Tgt Ion: 43	Resp:	95953
Ion	Ratio	Lower Upper
43	100	
58	38.3	22.0 33.0#

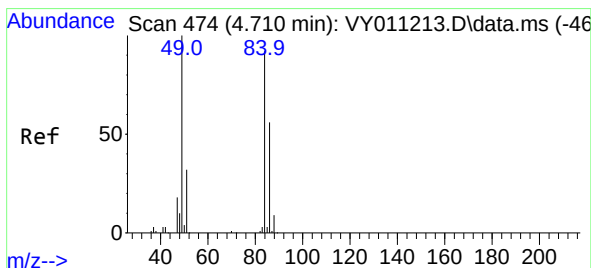
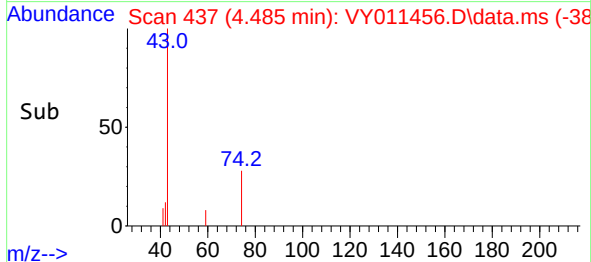
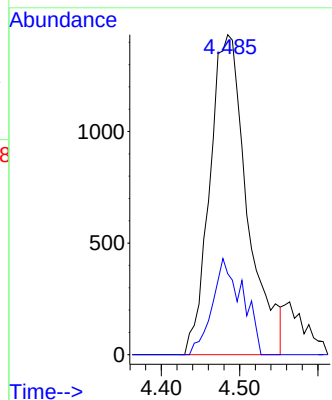
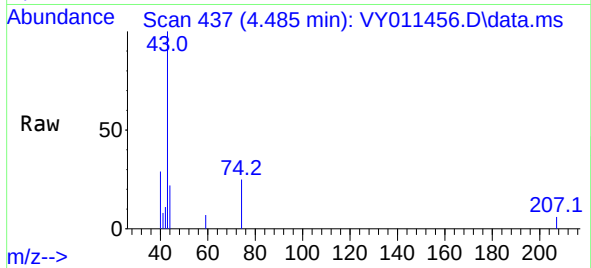




#18
Methyl Acetate
Concen: 6.103 ug/l
RT: 4.485 min Scan# 41
Delta R.T. 0.012 min
Lab File: VY011456.D
Acq: 15 Nov 2022 14:28

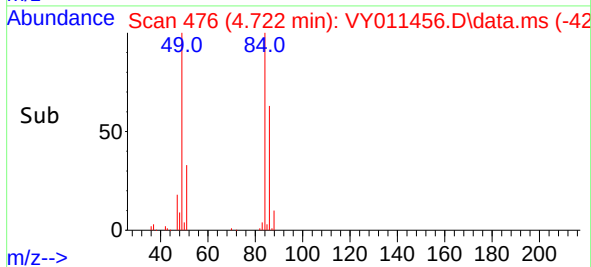
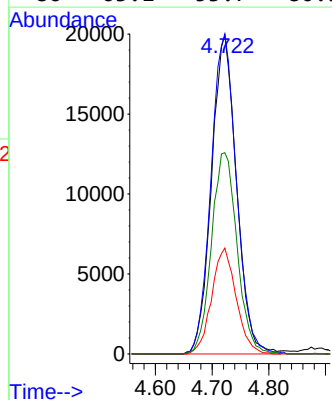
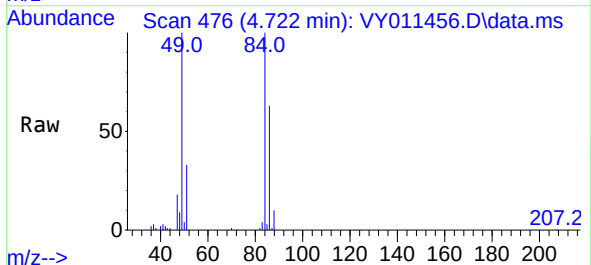
Instrument :
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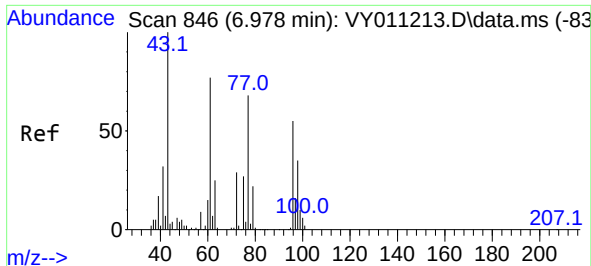
Tgt Ion: 43 Resp: 4754
Ion Ratio Lower Upper
43 100
74 24.4 16.6 24.8



#20
Methylene Chloride
Concen: 45.819 ug/l
RT: 4.722 min Scan# 476
Delta R.T. 0.012 min
Lab File: VY011456.D
Acq: 15 Nov 2022 14:28

Tgt Ion: 84 Resp: 61061
Ion Ratio Lower Upper
84 100
49 100.4 114.4 171.6#
51 33.2 35.3 52.9#
86 63.1 53.7 80.5

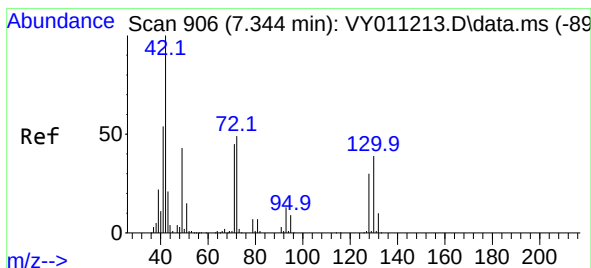
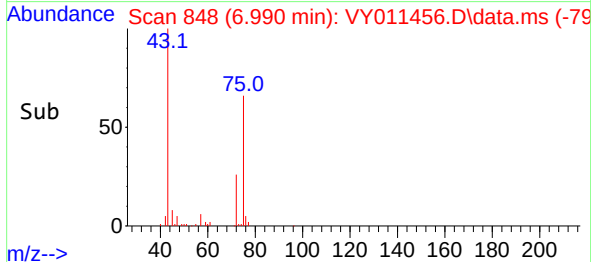
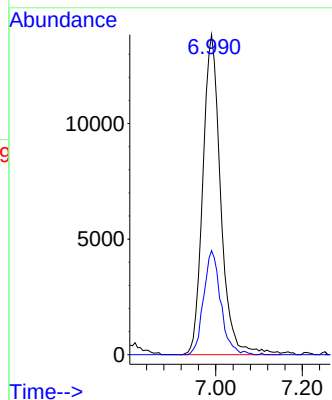
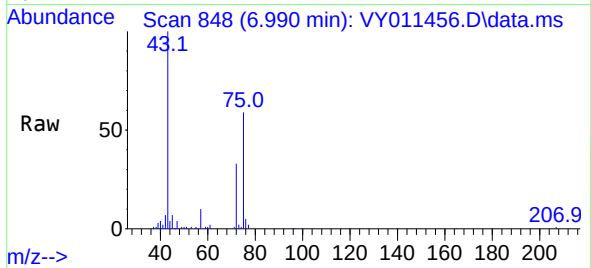




#25
2-Butanone
Concen: 115.167 ug/l
RT: 6.990 min Scan# 846
Delta R.T. 0.012 min
Lab File: VY011456.D
Acq: 15 Nov 2022 14:28

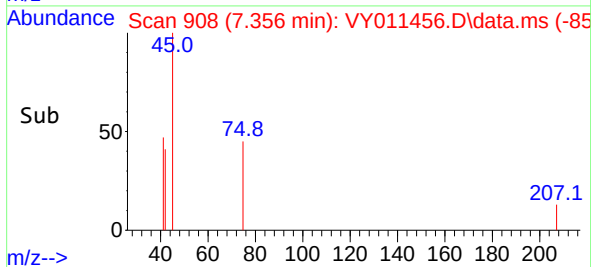
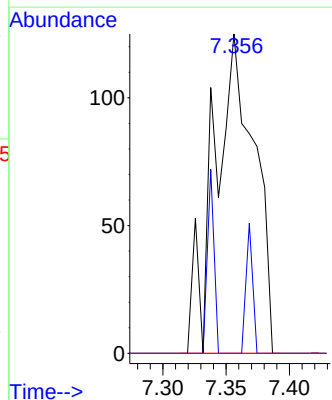
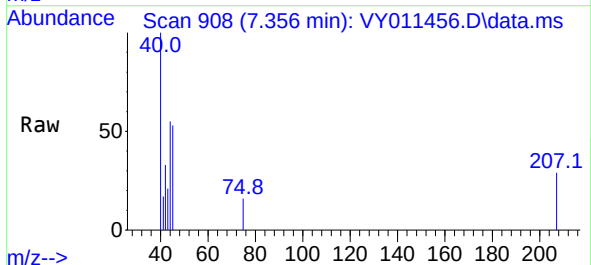
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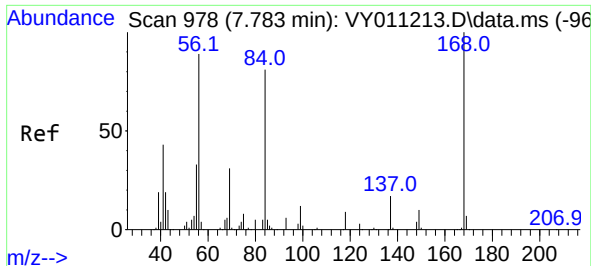
Tgt Ion: 43 Resp: 39675
Ion Ratio Lower Upper
43 100
72 32.5 17.7 26.5#



#29
Tetrahydrofuran
Concen: 1.318 ug/l
RT: 7.356 min Scan# 908
Delta R.T. 0.012 min
Lab File: VY011456.D
Acq: 15 Nov 2022 14:28

Tgt Ion: 42 Resp: 275
Ion Ratio Lower Upper
42 100
72 6.9 30.3 45.5#
71 0.0 29.0 43.4#

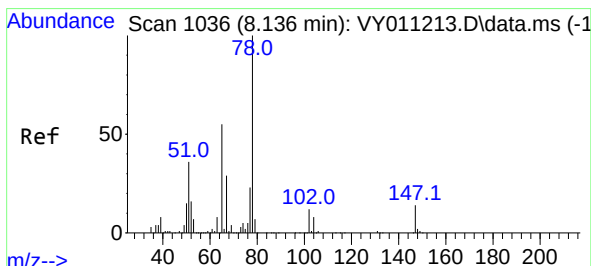
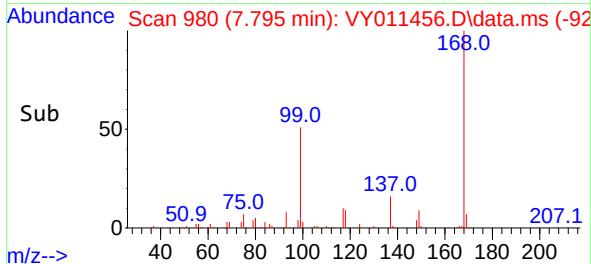
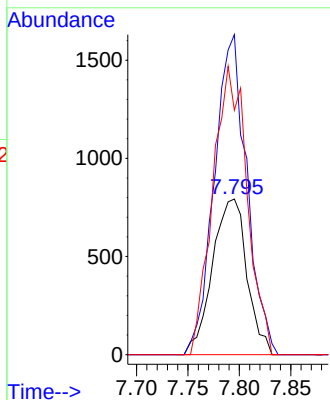
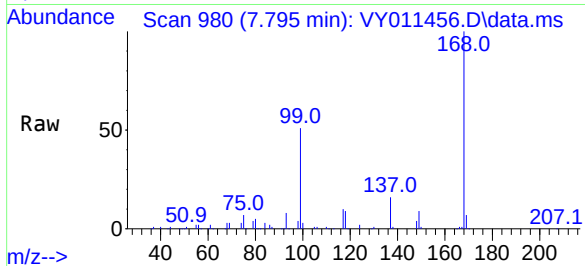




#31
Cyclohexane
Concen: 1.125 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY011456.D
Acq: 15 Nov 2022 14:28

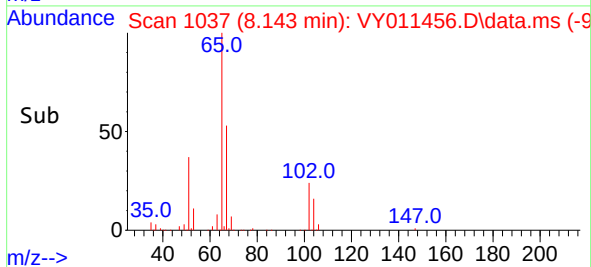
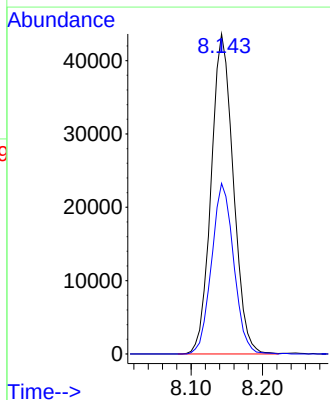
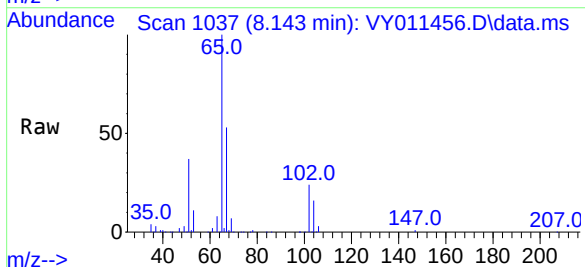
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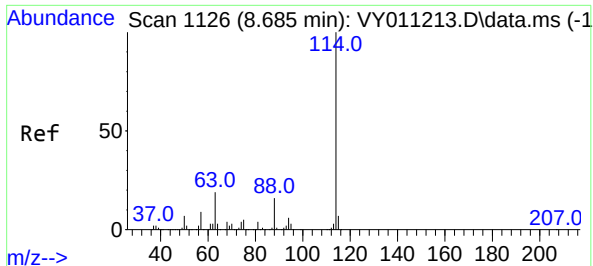
Tgt Ion: 56 Resp: 1853
Ion Ratio Lower Upper
56 100
69 205.5 26.7 40.1#
84 157.0 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 102.369 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.007 min
Lab File: VY011456.D
Acq: 15 Nov 2022 14:28

Tgt Ion: 65 Resp: 93823
Ion Ratio Lower Upper
65 100
67 53.2 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VY011456.D

Acq: 15 Nov 2022 14:28

Instrument :

MSVOA_Y

ClientSampleId :

AUD-1732

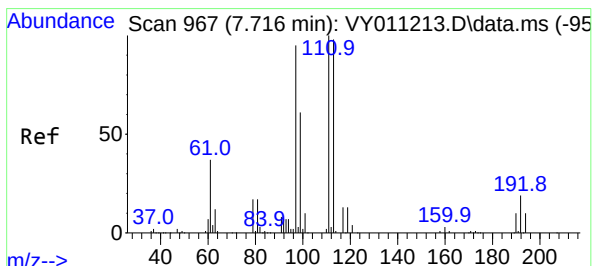
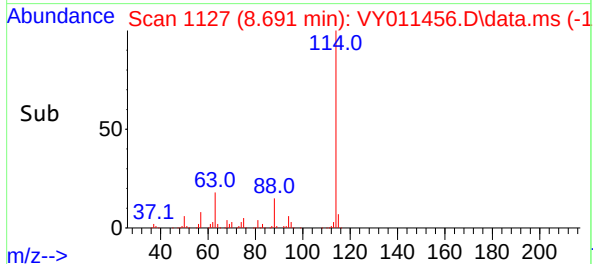
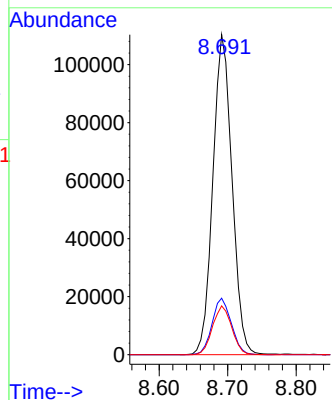
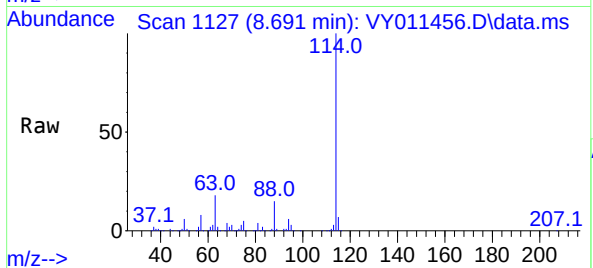
Tgt Ion:114 Resp: 213742

Ion Ratio Lower Upper

114 100

63 17.7 0.0 43.2

88 15.3 0.0 31.8



#35

Dibromofluoromethane

Concen: 77.415 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.012 min

Lab File: VY011456.D

Acq: 15 Nov 2022 14:28

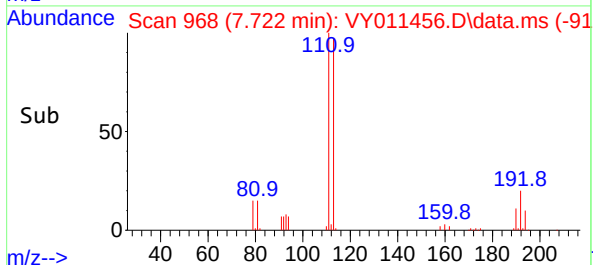
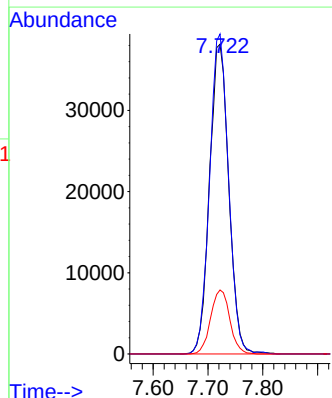
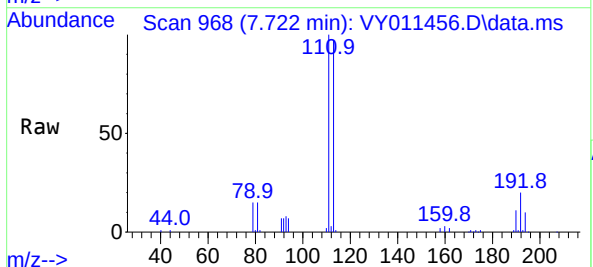
Tgt Ion:113 Resp: 92732

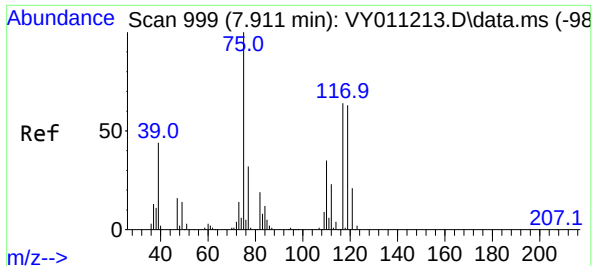
Ion Ratio Lower Upper

113 100

111 101.5 82.6 124.0

192 20.6 17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.076 ug/l

RT: 7.795 min Scan# 91

Delta R.T. -0.122 min

Lab File: VY011456.D

Acq: 15 Nov 2022 14:28

Instrument :

MSVOA_Y

ClientSampleId :

AUD-1732

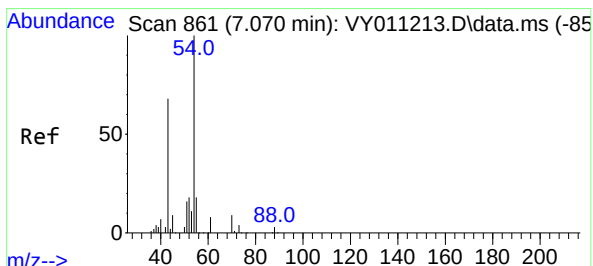
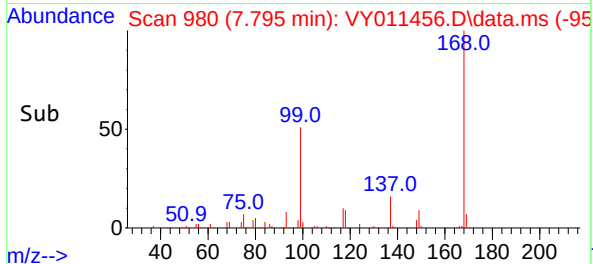
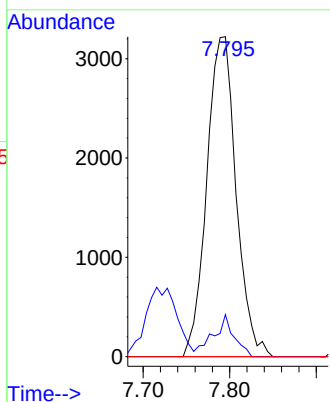
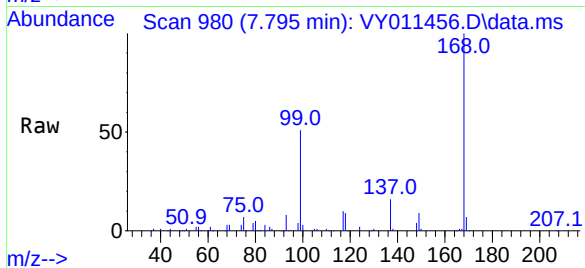
Tgt Ion: 75 Resp: 7578

Ion Ratio Lower Upper

75 100

110 9.3 17.1 51.2#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 44.425 ug/l

RT: 6.990 min Scan# 848

Delta R.T. -0.080 min

Lab File: VY011456.D

Acq: 15 Nov 2022 14:28

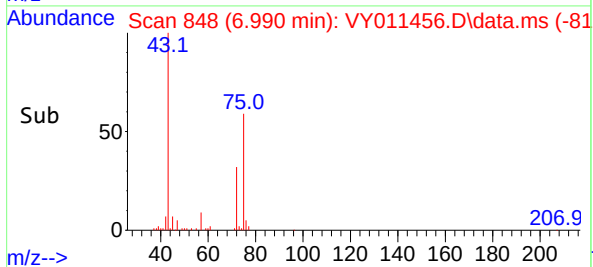
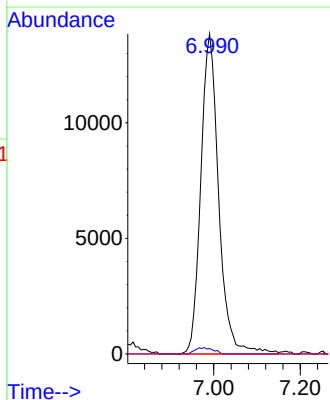
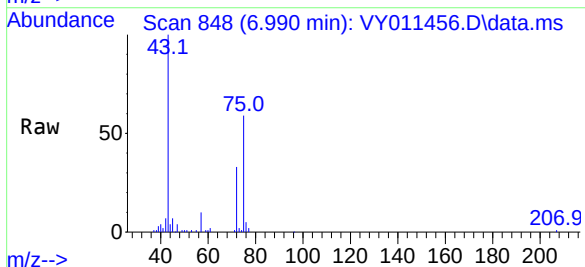
Tgt Ion: 43 Resp: 39675

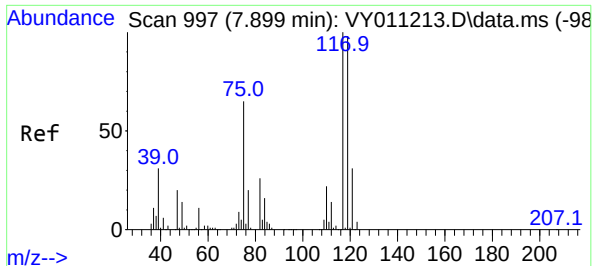
Ion Ratio Lower Upper

43 100

61 2.0 9.7 14.5#

70 0.0 7.1 10.7#

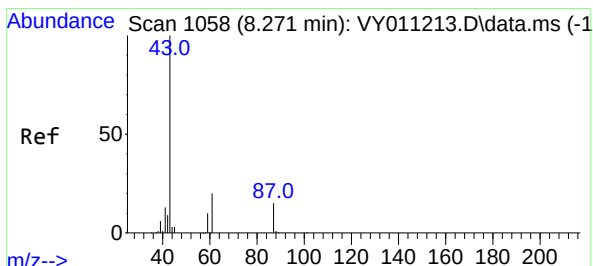
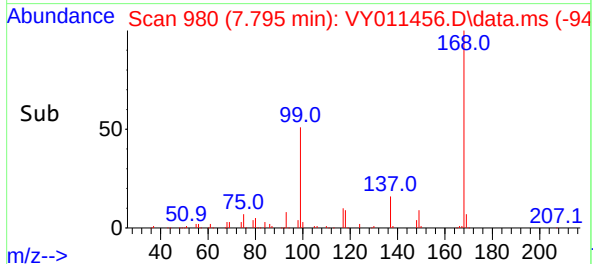
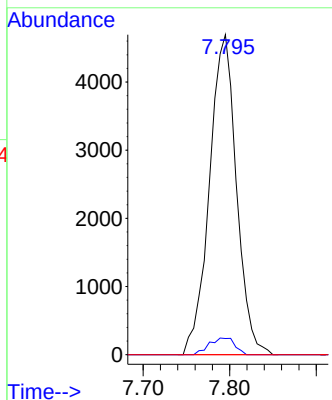
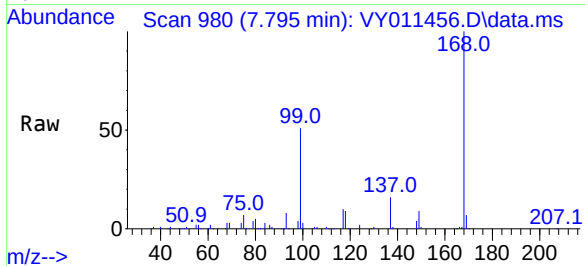




#38
Carbon Tetrachloride
Concen: 5.038 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY011456.D
Acq: 15 Nov 2022 14:28

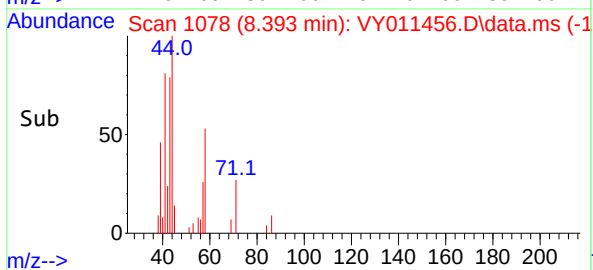
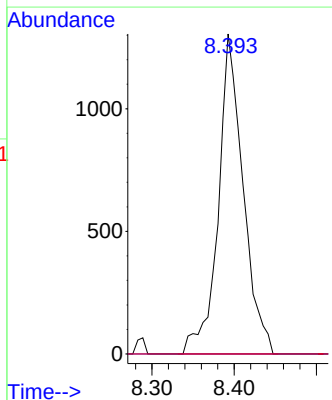
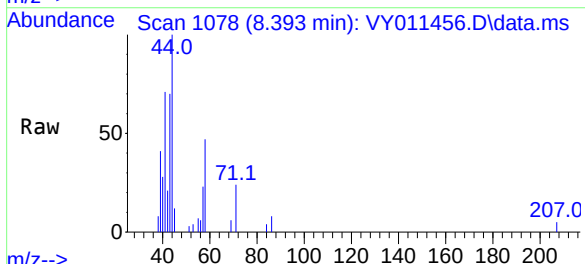
Instrument :
MSVOA_Y
ClientSampleId :
AUD-1732

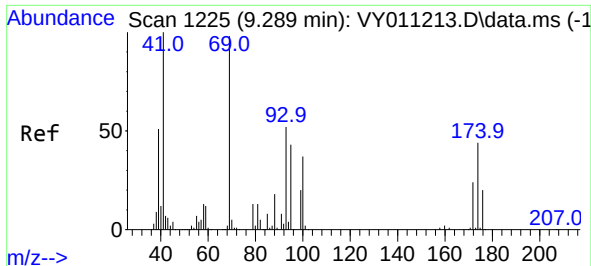
Tgt Ion:117 Resp: 10189
Ion Ratio Lower Upper
117 100
119 5.1 77.9 116.9#
121 0.0 24.8 37.2#



#43
Isopropyl Acetate
Concen: 1.703 ug/l
RT: 8.393 min Scan# 1078
Delta R.T. 0.121 min
Lab File: VY011456.D
Acq: 15 Nov 2022 14:28

Tgt Ion: 43 Resp: 2743
Ion Ratio Lower Upper
43 100
61 0.0 20.2 30.2#
87 0.0 8.9 13.3#

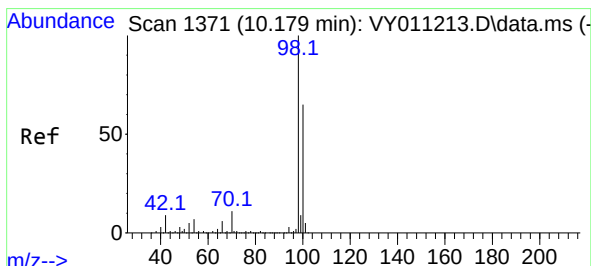
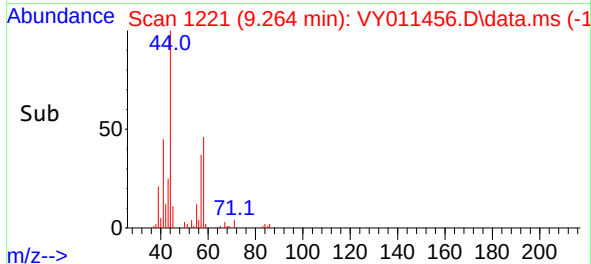
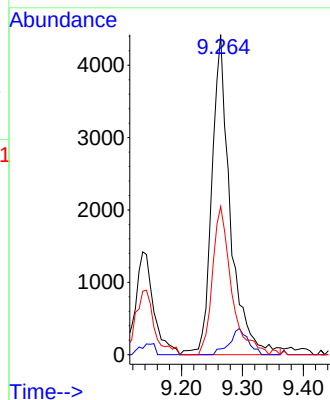
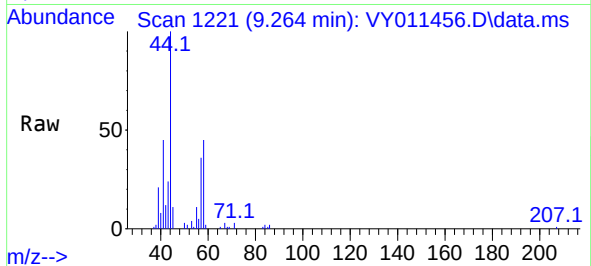




#48
Methyl methacrylate
Concen: 12.812 ug/l
RT: 9.264 min Scan# 11
Delta R.T. -0.025 min
Lab File: VY011456.D
Acq: 15 Nov 2022 14:28

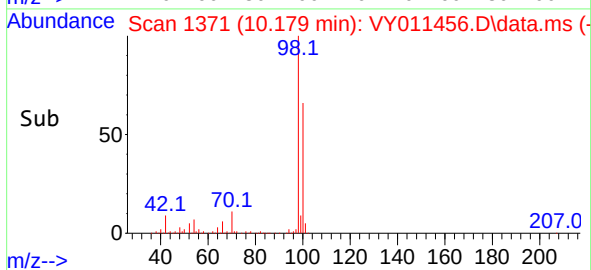
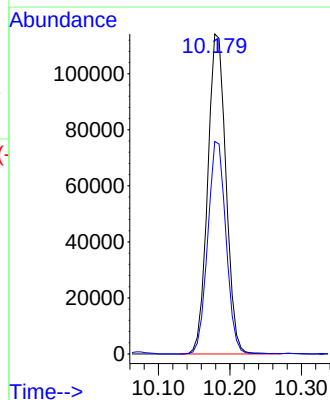
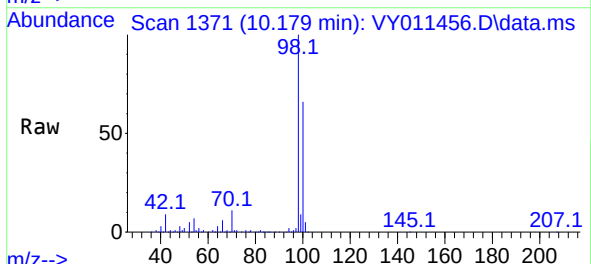
Instrument :
MSVOA_Y
ClientSampleId :
AUD-1732

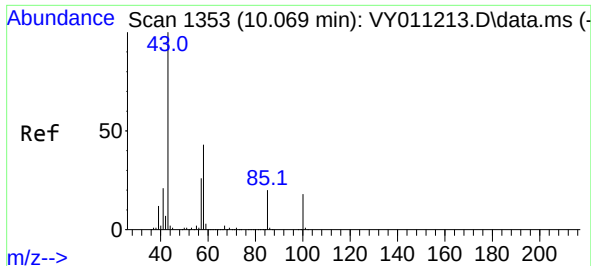
Tgt Ion: 41 Resp: 9276
Ion Ratio Lower Upper
41 100
69 0.0 58.2 87.2#
39 47.5 47.4 71.0



#50
Toluene-d8
Concen: 44.292 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011456.D
Acq: 15 Nov 2022 14:28

Tgt Ion: 98 Resp: 202687
Ion Ratio Lower Upper
98 100
100 66.3 50.2 75.2

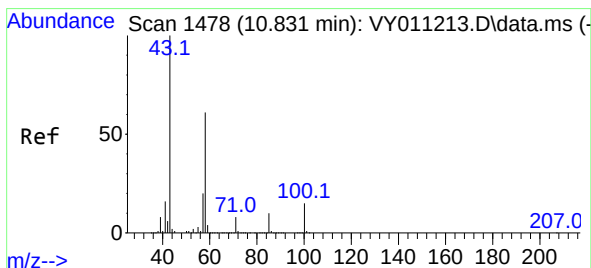
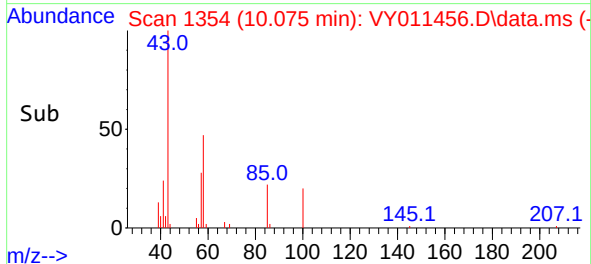
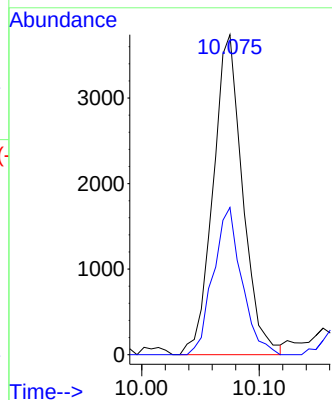
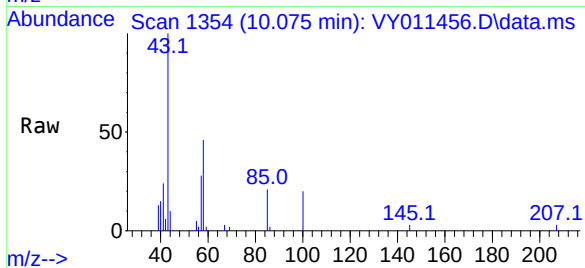




#51
4-Methyl-2-Pentanone
Concen: 7.551 ug/l
RT: 10.075 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY011456.D
Acq: 15 Nov 2022 14:28

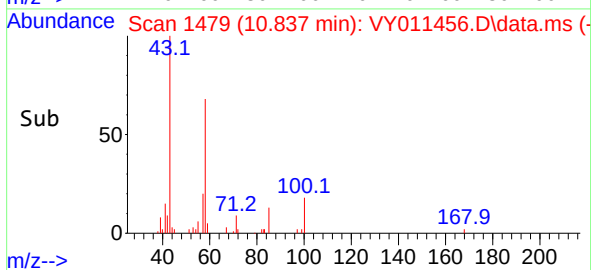
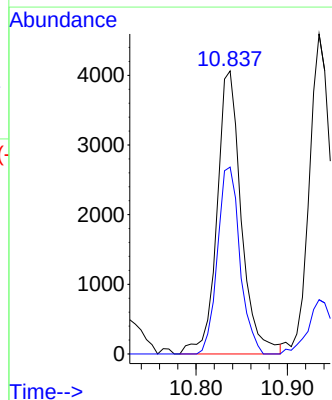
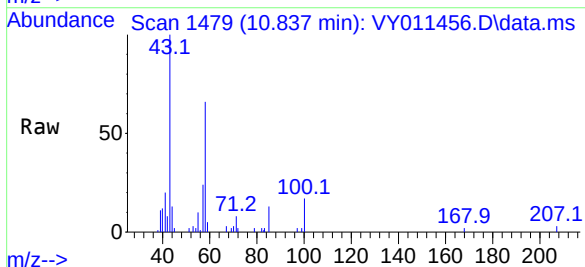
Instrument :
MSVOA_Y
ClientSampleId :
AUD-1732

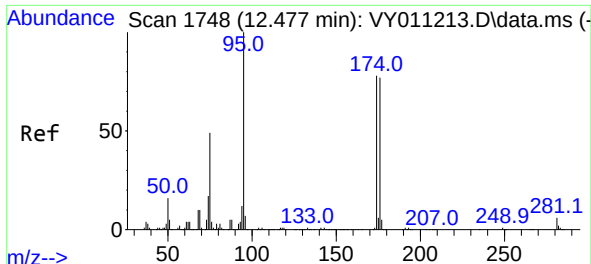
Tgt Ion: 43 Resp: 6542
Ion Ratio Lower Upper
43 100
58 44.4 28.1 42.1#



#59
2-Hexanone
Concen: 12.238 ug/l
RT: 10.837 min Scan# 1479
Delta R.T. 0.006 min
Lab File: VY011456.D
Acq: 15 Nov 2022 14:28

Tgt Ion: 43 Resp: 7511
Ion Ratio Lower Upper
43 100
58 60.7 24.4 73.4

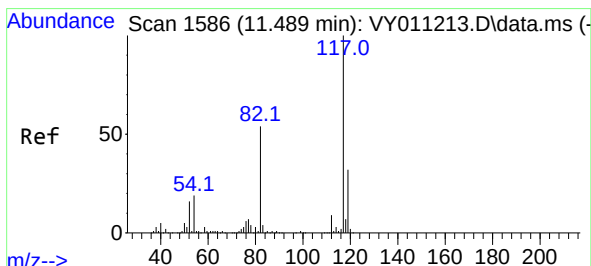
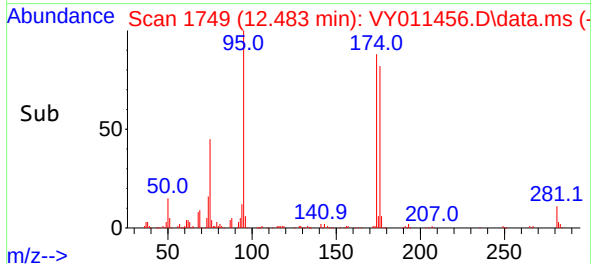
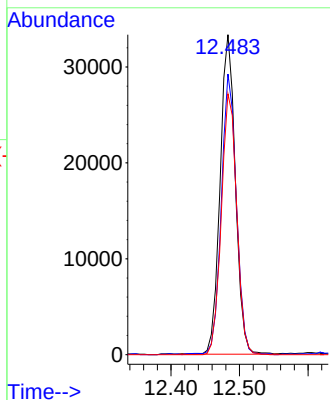
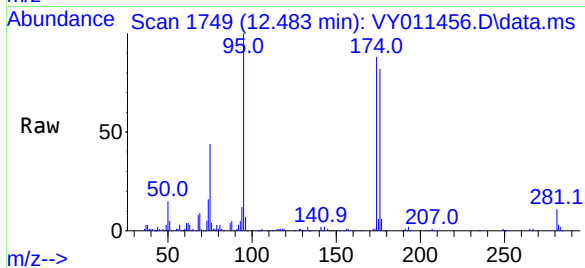




#62
4-Bromofluorobenzene
Concen: 32.174 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY011456.D
Acq: 15 Nov 2022 14:28

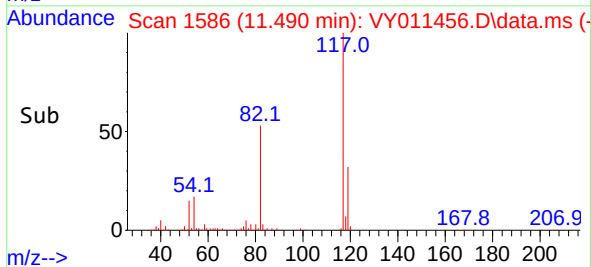
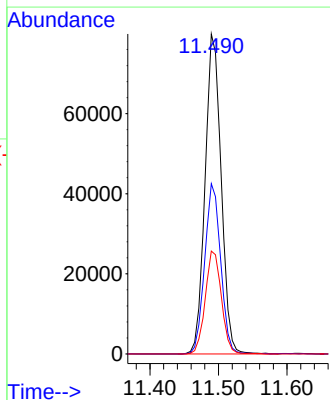
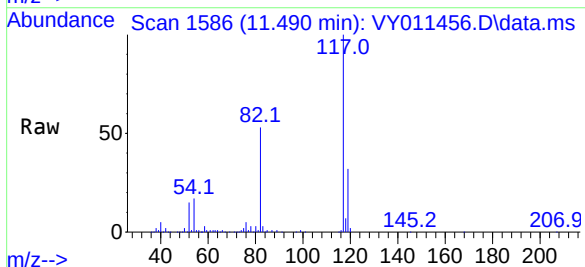
Instrument :
MSVOA_Y
ClientSampleId :
AUD-1732

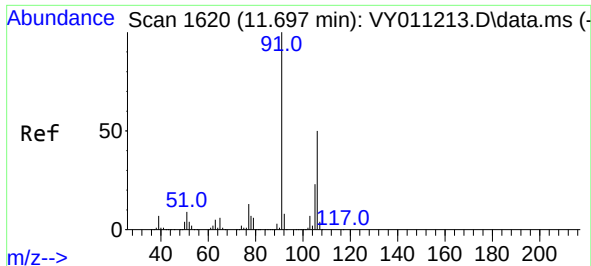
Tgt Ion: 95 Resp: 51354
Ion Ratio Lower Upper
95 100
174 86.8 0.0 177.0
176 82.3 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY011456.D
Acq: 15 Nov 2022 14:28

Tgt Ion:117 Resp: 130744
Ion Ratio Lower Upper
117 100
82 53.2 43.0 64.4
119 32.1 25.4 38.0

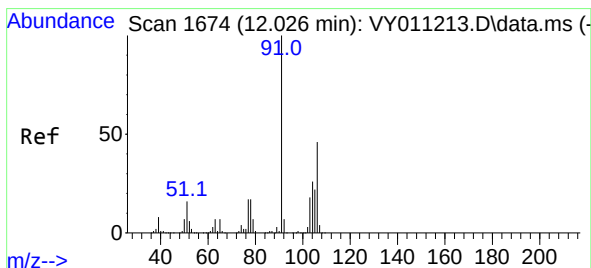
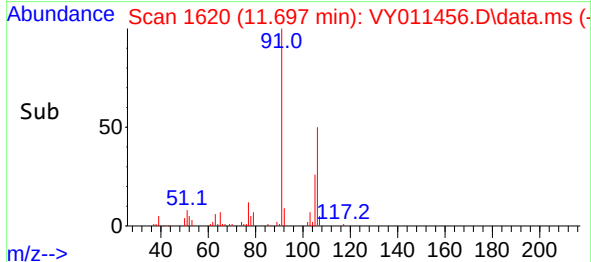
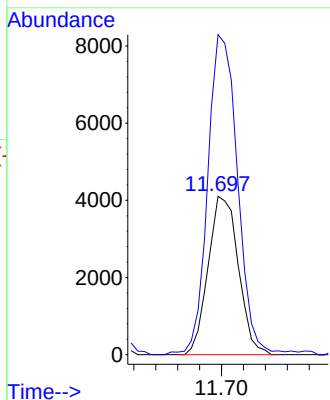
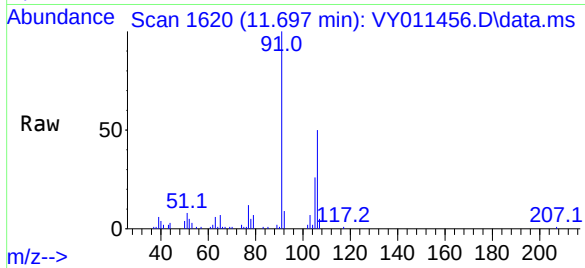




#68
m/p-Xylenes
Concen: 4.376 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. -0.006 min
Lab File: VY011456.D
Acq: 15 Nov 2022 14:28

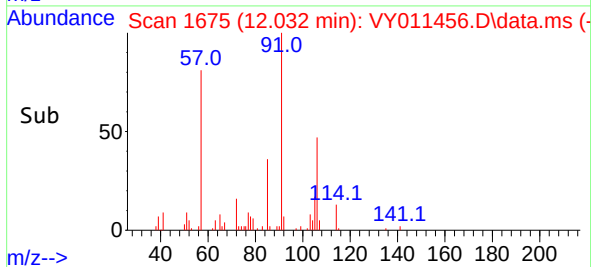
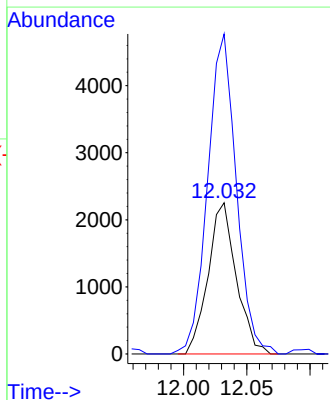
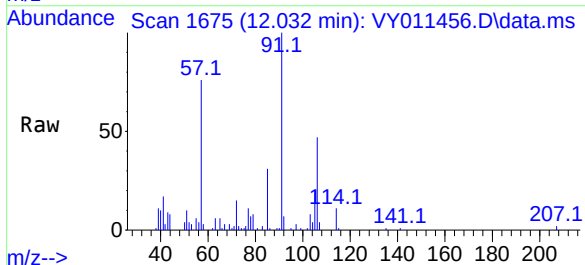
Instrument :
MSVOA_Y
ClientSampleId :
AUD-1732

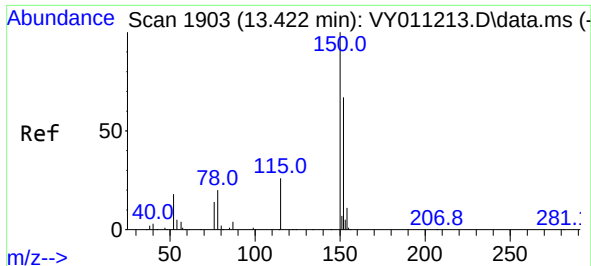
Tgt Ion:106 Resp: 7845
Ion Ratio Lower Upper
106 100
91 201.3 166.6 249.8



#69
o-Xylene
Concen: 2.069 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. 0.006 min
Lab File: VY011456.D
Acq: 15 Nov 2022 14:28

Tgt Ion:106 Resp: 3498
Ion Ratio Lower Upper
106 100
91 214.7 110.3 331.0

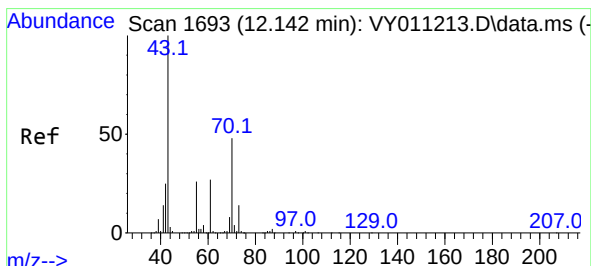
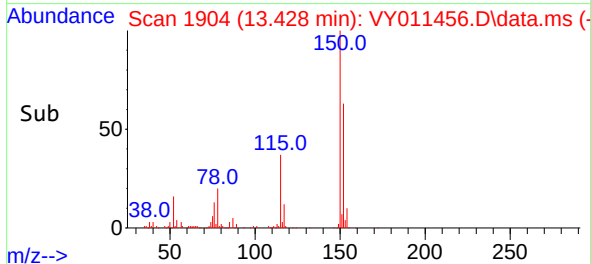
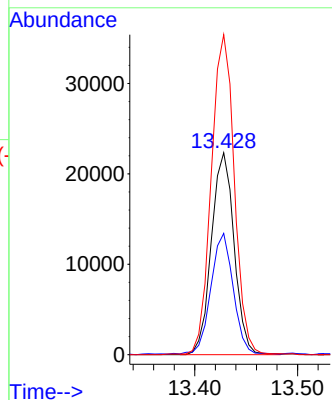
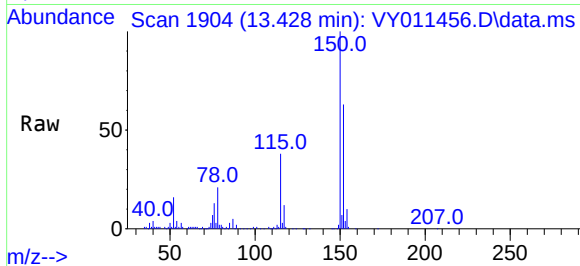




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1903
Delta R.T. 0.006 min
Lab File: VY011456.D
Acq: 15 Nov 2022 14:28

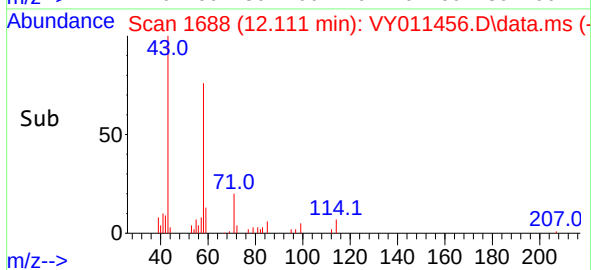
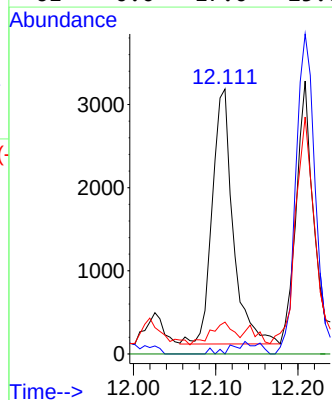
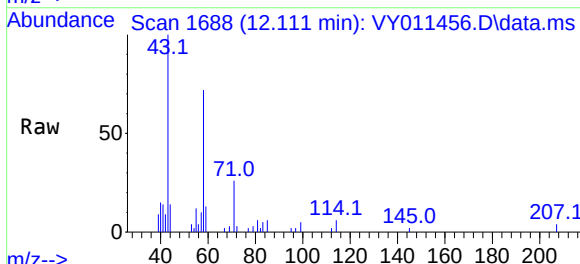
Instrument :
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ClientSampleId :
AUD-1732

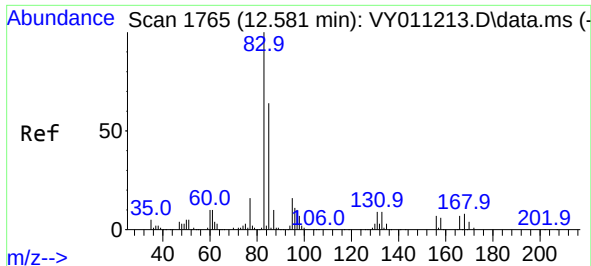
Tgt Ion:152 Resp: 34328
Ion Ratio Lower Upper
152 100
115 58.5 28.2 84.7
150 161.1 0.0 347.6



#74
N-ethyl acetate
Concen: 10.832 ug/l
RT: 12.111 min Scan# 1688
Delta R.T. -0.031 min
Lab File: VY011456.D
Acq: 15 Nov 2022 14:28

Tgt Ion: 43 Resp: 5407
Ion Ratio Lower Upper
43 100
70 0.0 28.7 43.1#
55 9.7 17.3 25.9#
61 0.0 17.0 25.6#

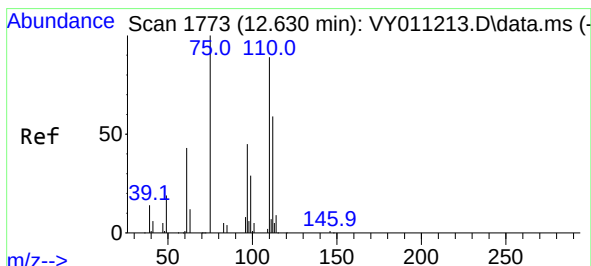
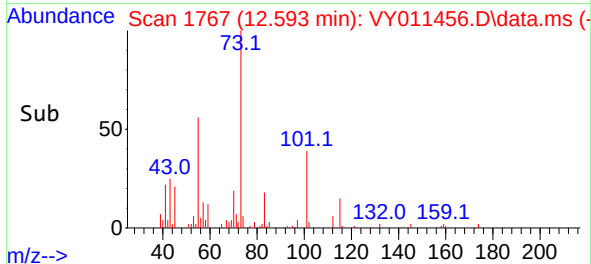
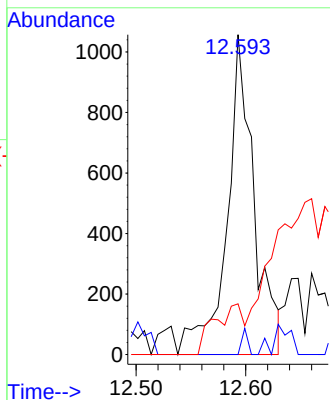
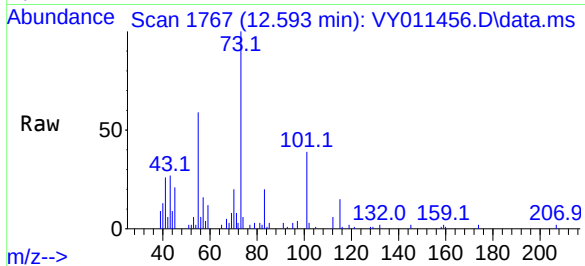




#75
1,1,2,2-Tetrachloroethane
Concen: 3.977 ug/l
RT: 12.593 min Scan# 1767
Delta R.T. 0.012 min
Lab File: VY011456.D
Acq: 15 Nov 2022 14:28

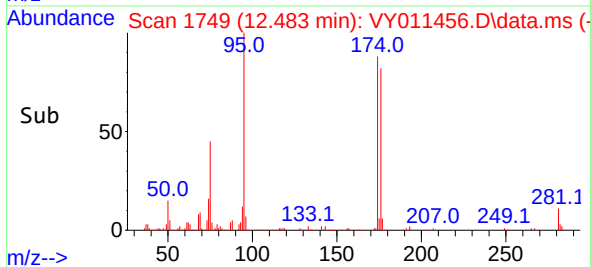
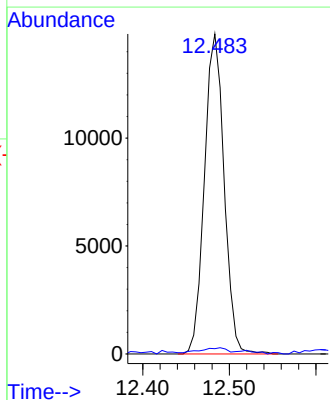
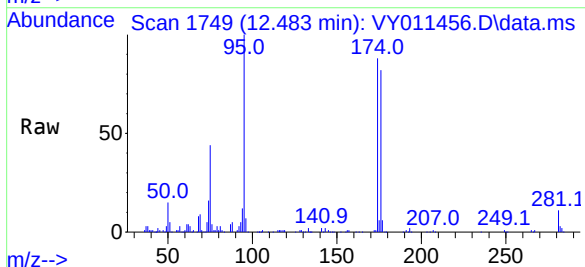
Instrument :
MSVOA_Y
ClientSampleId :
AUD-1732

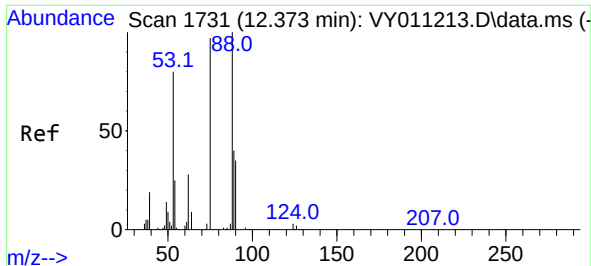
Tgt Ion: 83 Resp: 1813
Ion Ratio Lower Upper
83 100
131 1.8 5.6 16.8#
85 17.1 32.3 96.8#



#76
1,2,3-Trichloropropane
Concen: 58.884 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY011456.D
Acq: 15 Nov 2022 14:28

Tgt Ion: 75 Resp: 23398
Ion Ratio Lower Upper
75 100
77 2.4 0.0 0.0#

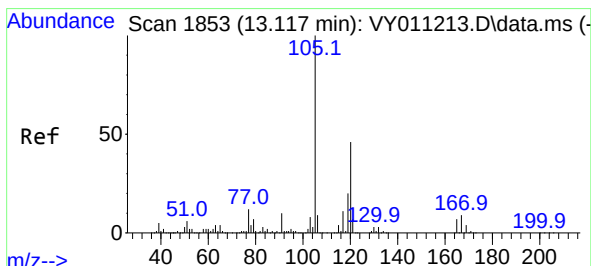
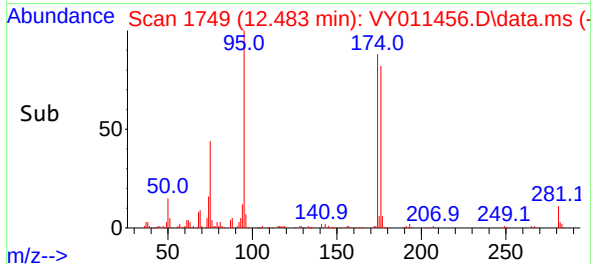
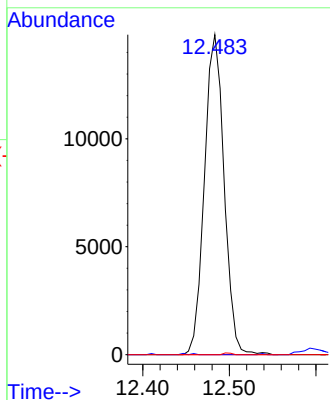
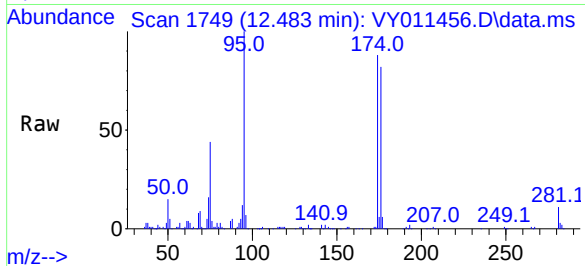




#81
trans-1,4-Dichloro-2-butene
Concen: 141.540 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY011456.D
Acq: 15 Nov 2022 14:28

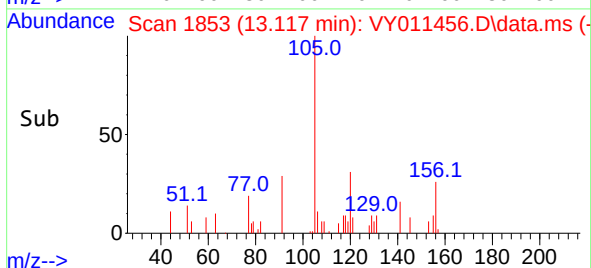
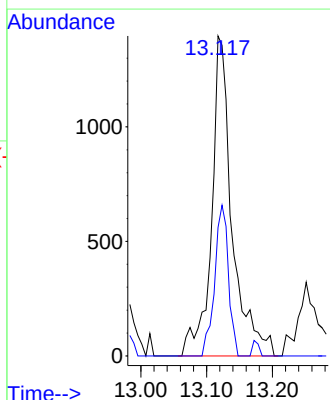
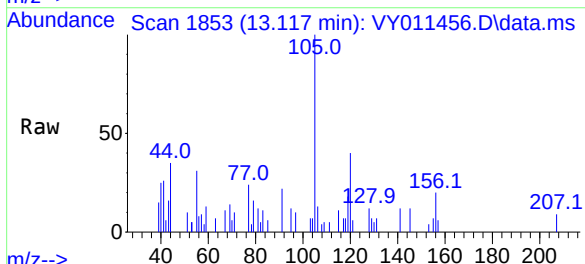
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ClientSampleId :
AUD-1732

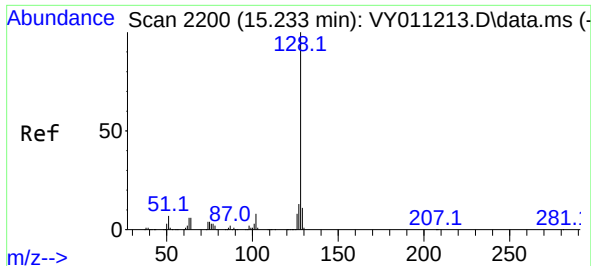
Tgt Ion: 75 Resp: 23398
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.2 37.0 55.4#



#84
1,2,4-Trimethylbenzene
Concen: 1.546 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VY011456.D
Acq: 15 Nov 2022 14:28

Tgt Ion:105 Resp: 3036
Ion Ratio Lower Upper
105 100
120 31.5 22.3 66.9





#95
Naphthalene
Concen: 5.523 ug/l
RT: 15.239 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY011456.D
Acq: 15 Nov 2022 14:28

Instrument :
MSVOA_Y
ClientSampleId :
AUD-1732

Tgt Ion	Ratio	Lower	Upper
128	100		
127	14.2	11.0	16.4
129	25.2	8.4	12.6

