

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090121\
 Data File : VY005933.D
 Acq On : 01 Sep 2021 16:13
 Operator : SY/MD
 Sample : M3626-01
 Misc : 5.08G/5ML/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 G-1RE

Quant Time: Sep 02 11:41:19 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y083121S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 01 05:32:43 2021
 Response via : Initial Calibration

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

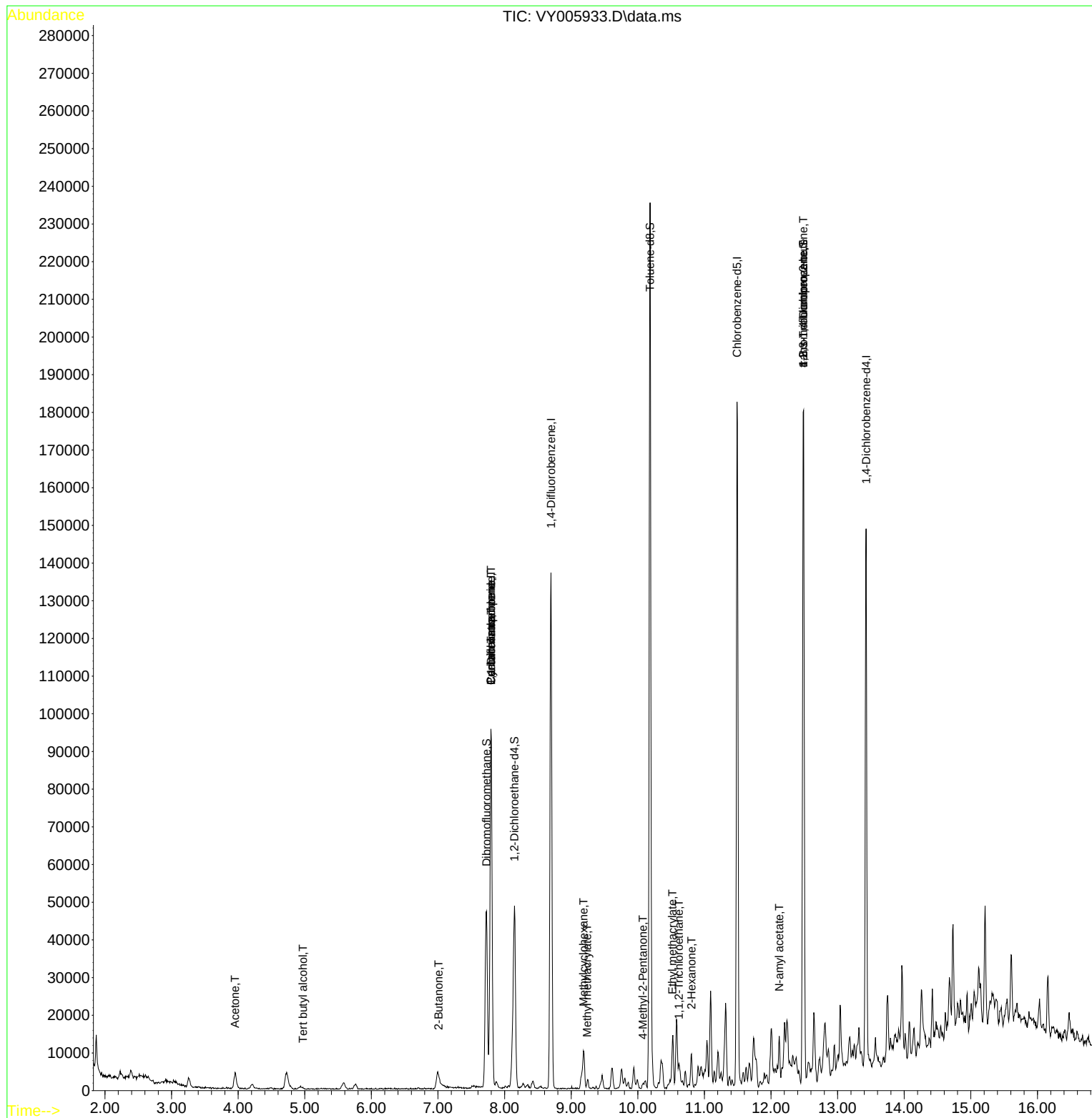
Internal Standards						
1) Pentafluorobenzene	7.795	168	76965	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	115828	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	99053	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	38050	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	36331	46.843	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	93.680%
35) Dibromofluoromethane	7.728	113	31995	49.186	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.380%
50) Toluene-d8	10.185	98	143243	52.470	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	104.940%
62) 4-Bromofluorobenzene	12.483	95	38104	41.567	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	83.140%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.972	59	287	1.882	ug/l #	80
13) Acrolein	3.747	56	19	Below Cal	#	14
16) Acetone	3.954	43	7168	36.245	ug/l	93
20) Methylene Chloride	4.728	84	3236	Below Cal	#	80
25) 2-Butanone	7.008	43	1693	6.060	ug/l #	87
31) Cyclohexane	7.795	56	1833	1.401	ug/l #	58
36) 1,1-Dichloropropene	7.795	75	5653	5.184	ug/l #	48
38) Carbon Tetrachloride	7.795	117	6952	5.881	ug/l #	16
39) Methylcyclohexane	9.185	83	4072	2.948	ug/l #	85
48) Methyl methacrylate	9.240	41	586	1.075	ug/l #	40
51) 4-Methyl-2-Pentanone	10.075	43	748	1.170	ug/l #	76
55) 1,1,2-Trichloroethane	10.618	97	2420	3.884	ug/l #	22
56) Ethyl methacrylate	10.520	69	1304	1.446	ug/l #	1
59) 2-Hexanone	10.807	43	3323	7.442	ug/l #	24
74) N-amyl acetate	12.123	43	2515	3.456	ug/l #	68
76) 1,2,3-Trichloropropane	12.483	75	21228	59.607	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	21228	113.359	ug/l #	14

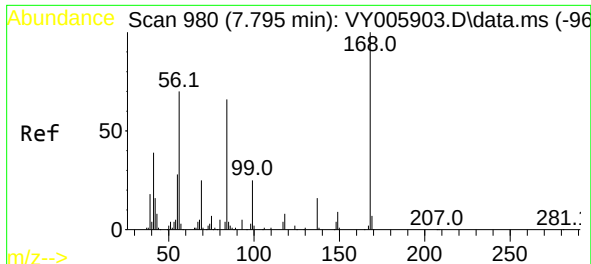
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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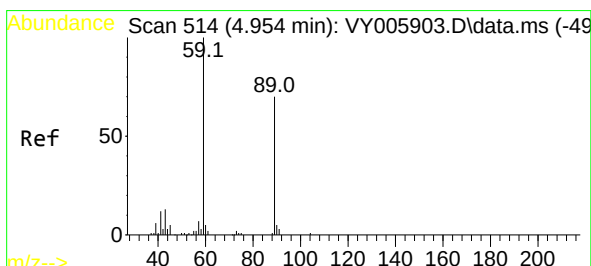
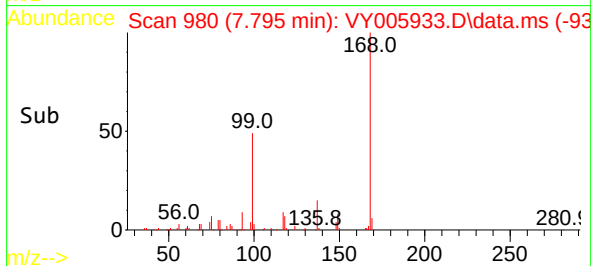
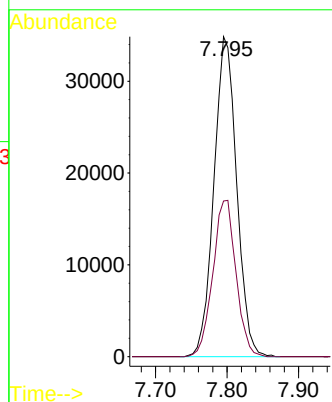
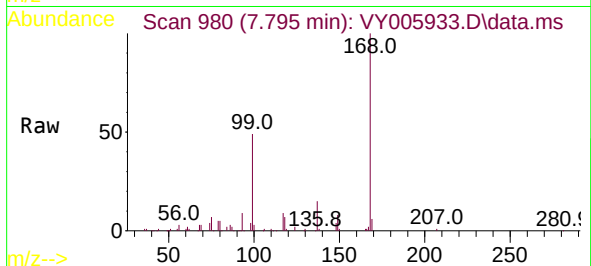




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.000 min
Lab File: VY005933.D
Acq: 01 Sep 2021 16:13

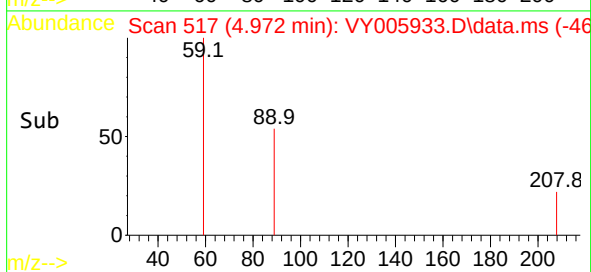
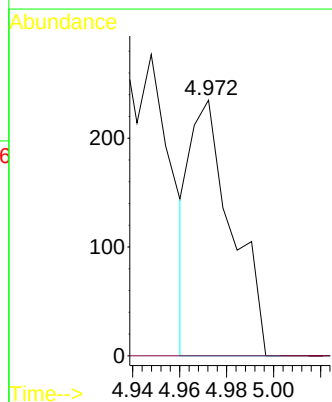
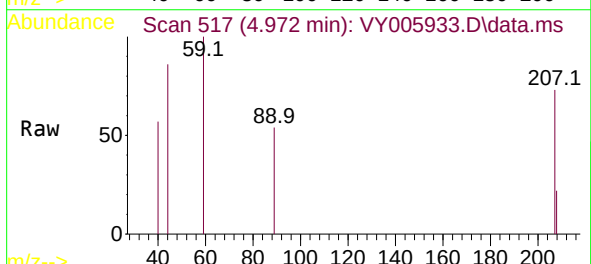
Instrument :
MSVOA_Y
ClientSampleId :
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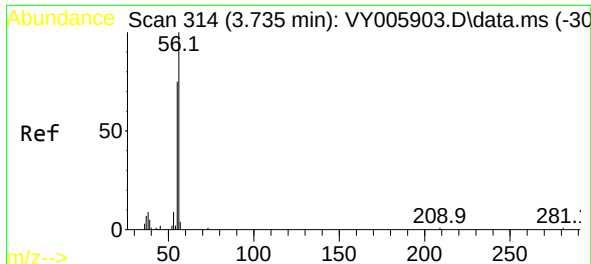
Tgt Ion:168 Resp: 76965
Ion Ratio Lower Upper
168 100
99 48.7 40.6 60.8



#11
Tert butyl alcohol
Concen: 1.882 ug/l
RT: 4.972 min Scan# 517
Delta R.T. 0.018 min
Lab File: VY005933.D
Acq: 01 Sep 2021 16:13

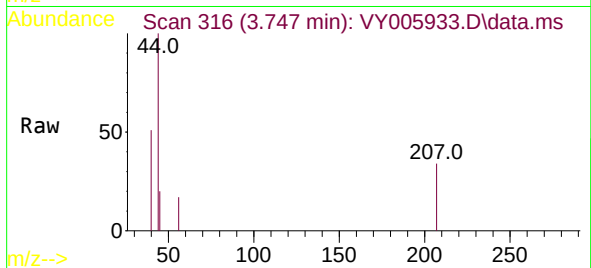
Tgt Ion: 59 Resp: 287
Ion Ratio Lower Upper
59 100
57 0.0 5.5 8.3#



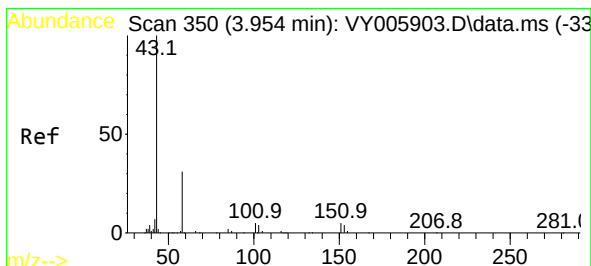
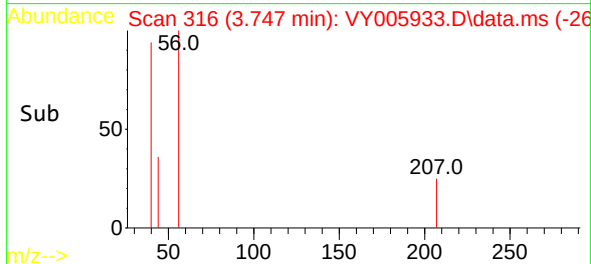
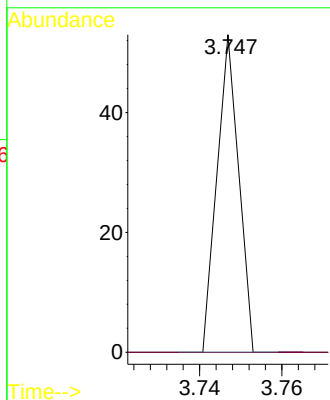


#13
Acrolein
Concen: Below Cal
RT: 3.747 min Scan# 316
Delta R.T. 0.012 min
Lab File: VY005933.D
Acq: 01 Sep 2021 16:13

Instrument :
MSVOA_Y
ClientSampleId :
G-1RE

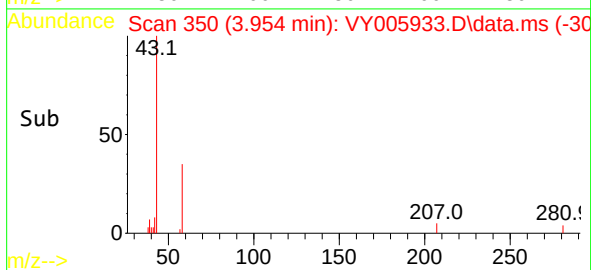
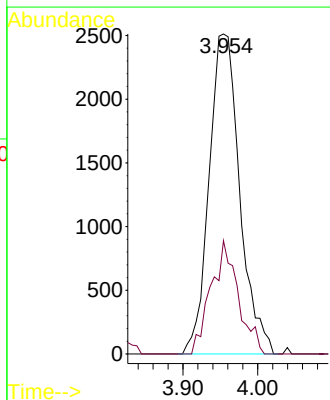
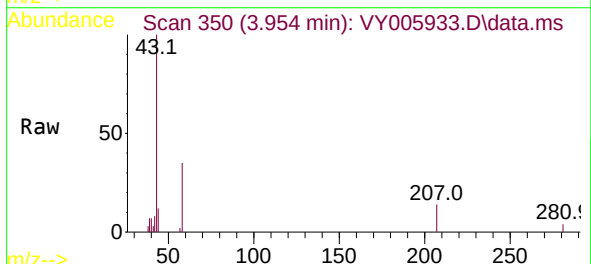


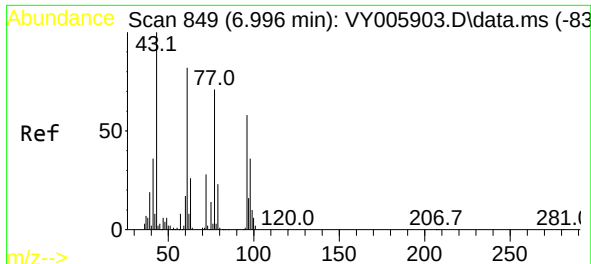
Tgt Ion: 56 Resp: 19
Ion Ratio Lower Upper
56 100
55 0.0 57.6 86.4#



#16
Acetone
Concen: 36.245 ug/l
RT: 3.954 min Scan# 350
Delta R.T. -0.000 min
Lab File: VY005933.D
Acq: 01 Sep 2021 16:13

Tgt Ion: 43 Resp: 7168
Ion Ratio Lower Upper
43 100
58 35.4 25.1 37.7

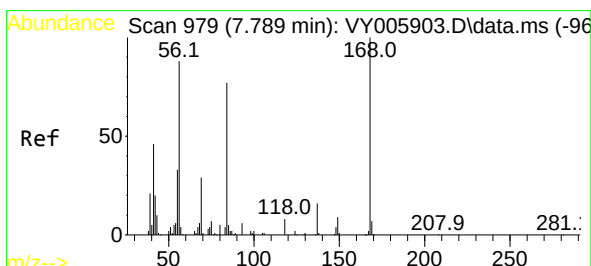
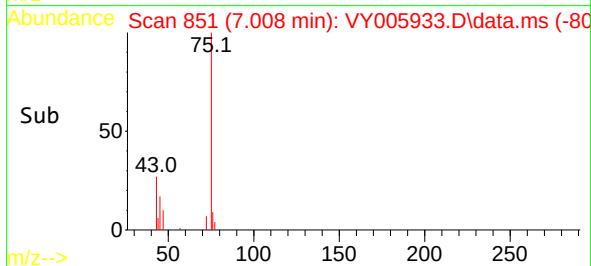
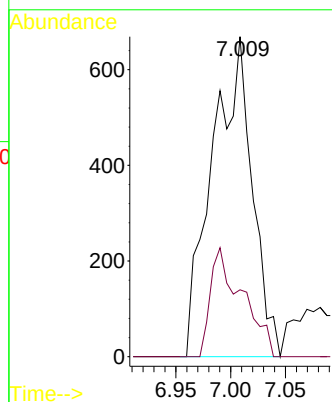
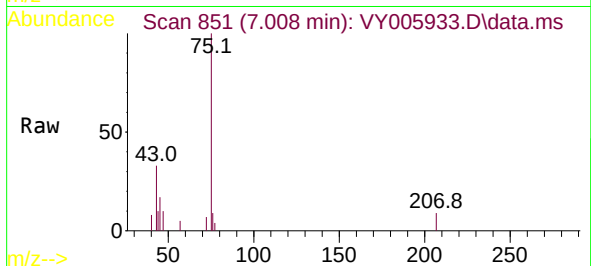




#25
2-Butanone
Concen: 6.060 ug/l
RT: 7.008 min Scan# 851
Delta R.T. 0.012 min
Lab File: VY005933.D
Acq: 01 Sep 2021 16:13

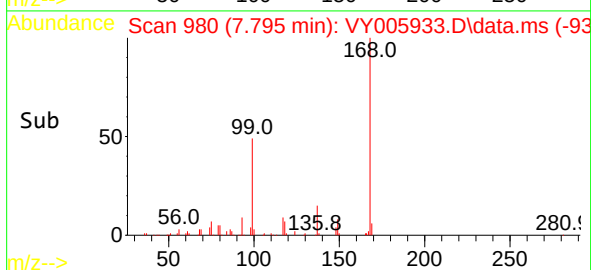
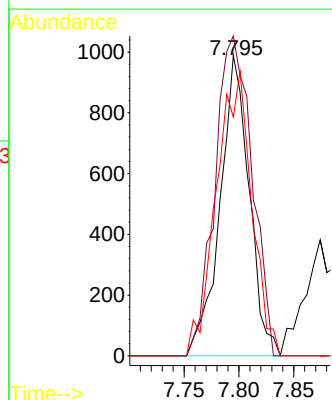
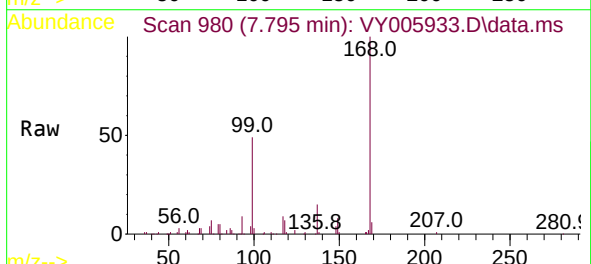
Instrument :
MSVOA_Y
ClientSampleId :
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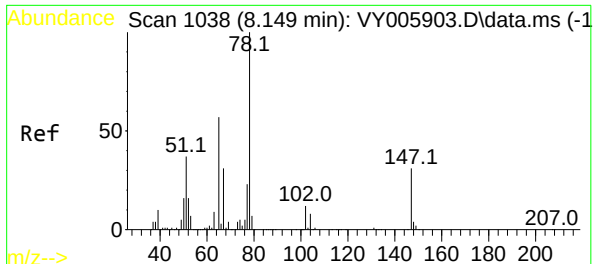
Tgt Ion: 43 Resp: 1693
Ion Ratio Lower Upper
43 100
72 20.9 22.3 33.5#



#31
Cyclohexane
Concen: 1.401 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.006 min
Lab File: VY005933.D
Acq: 01 Sep 2021 16:13

Tgt Ion: 56 Resp: 1833
Ion Ratio Lower Upper
56 100
69 106.6 26.3 39.5#
84 79.6 69.8 104.8

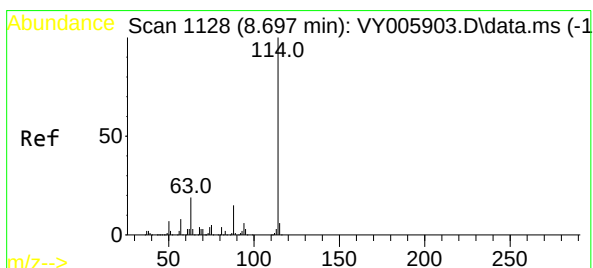
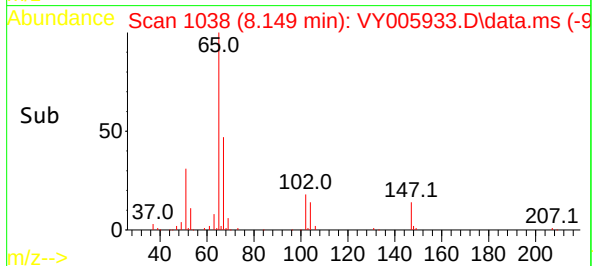
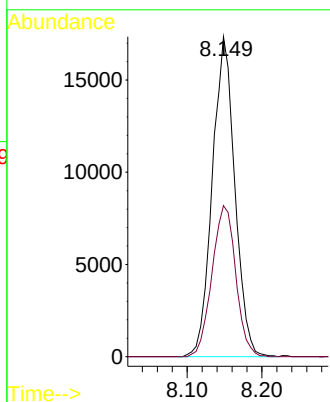
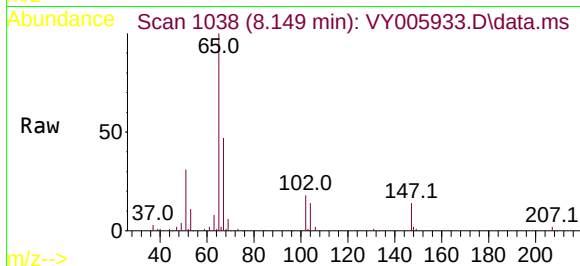




#33
1,2-Dichloroethane-d4
Concen: 46.843 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. -0.000 min
Lab File: VY005933.D
Acq: 01 Sep 2021 16:13

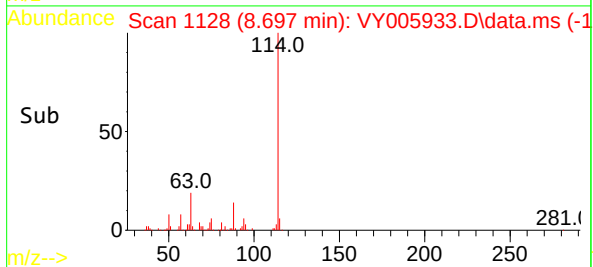
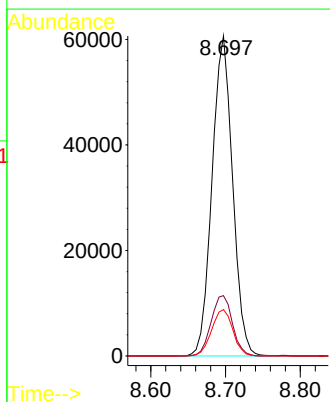
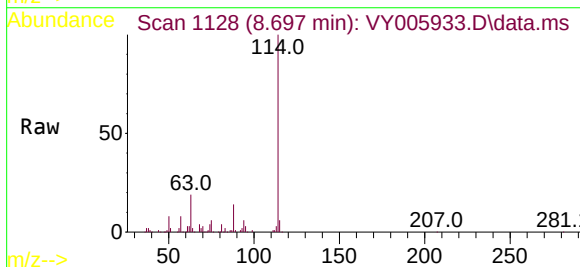
Instrument :
MSVOA_Y
ClientSampleId :
G-1RE

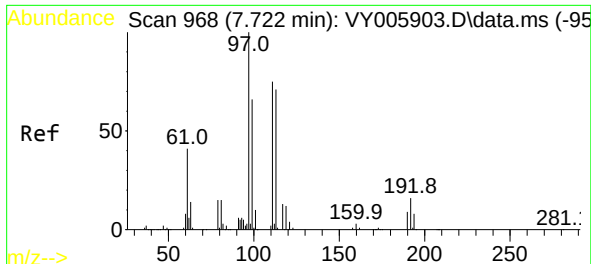
Tgt Ion: 65 Resp: 36331
Ion Ratio Lower Upper
65 100
67 49.7 0.0 105.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VY005933.D
Acq: 01 Sep 2021 16:13

Tgt Ion: 114 Resp: 115828
Ion Ratio Lower Upper
114 100
63 18.8 0.0 38.4
88 14.5 0.0 30.0

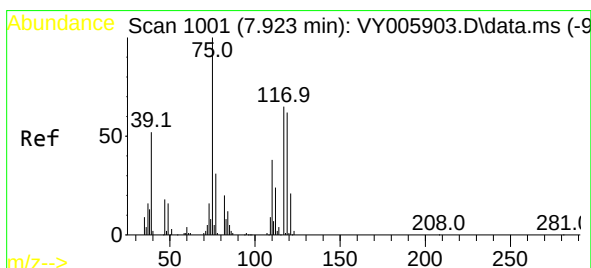
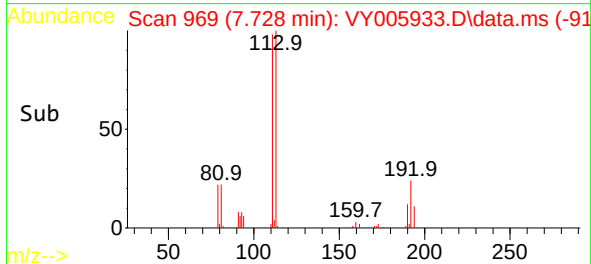
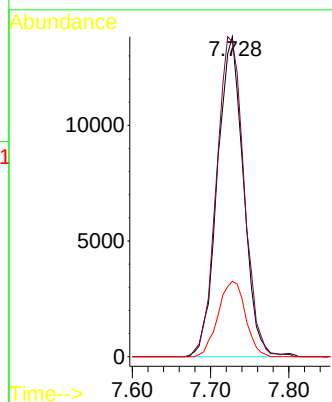
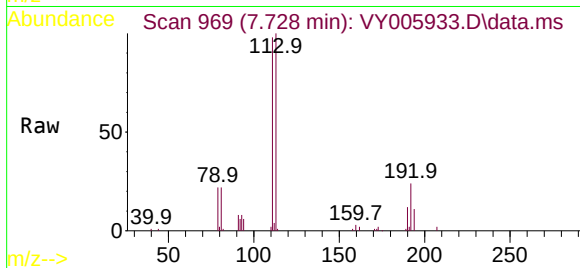




#35
Dibromofluoromethane
Concen: 49.186 ug/l
RT: 7.728 min Scan# 969
Delta R.T. 0.006 min
Lab File: VY005933.D
Acq: 01 Sep 2021 16:13

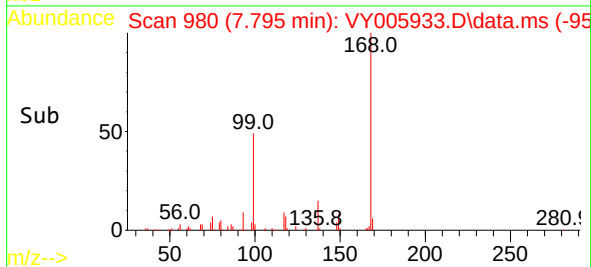
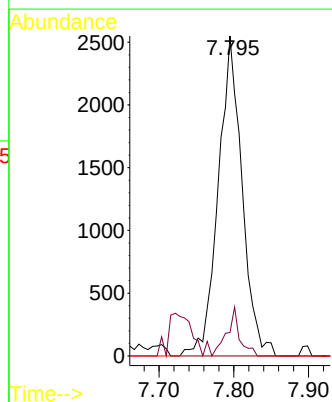
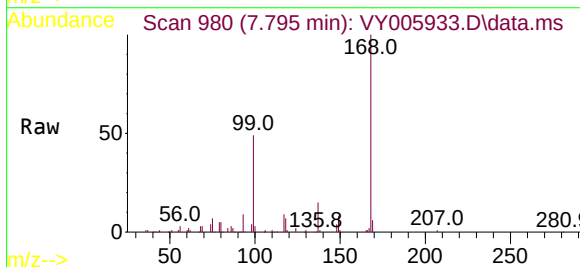
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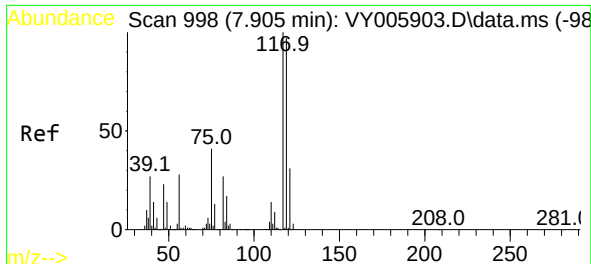
Tgt Ion:113 Resp: 31995
Ion Ratio Lower Upper
113 100
111 105.4 81.9 122.9
192 24.6 19.4 29.0



#36
1,1-Dichloropropene
Concen: 5.184 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY005933.D
Acq: 01 Sep 2021 16:13

Tgt Ion: 75 Resp: 5653
Ion Ratio Lower Upper
75 100
110 8.1 18.1 54.3#
77 0.0 24.9 37.3#

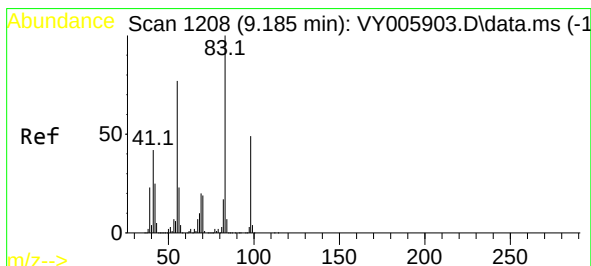
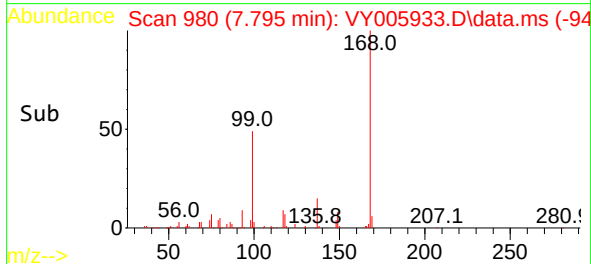
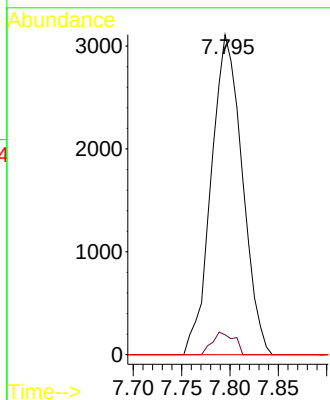
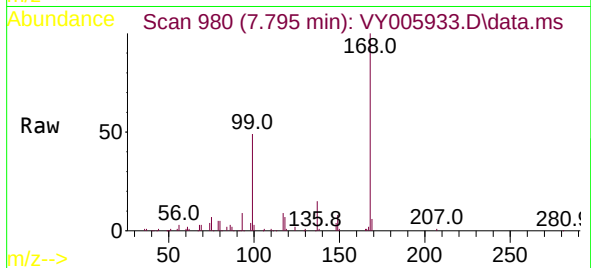




#38
Carbon Tetrachloride
Concen: 5.881 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.110 min
Lab File: VY005933.D
Acq: 01 Sep 2021 16:13

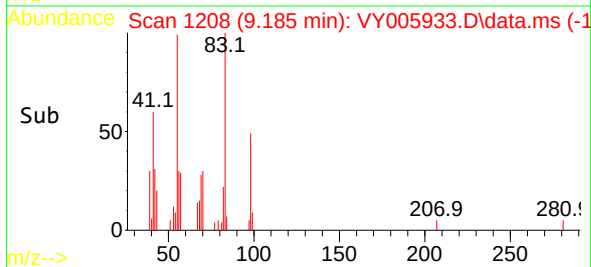
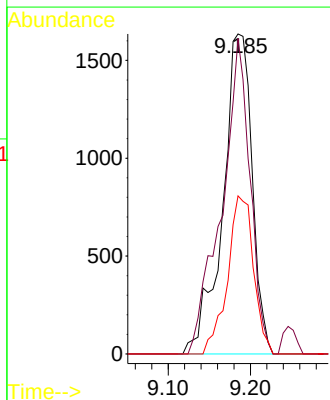
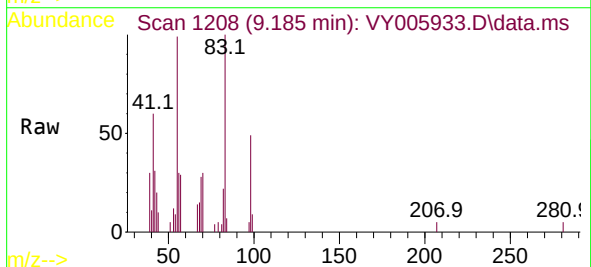
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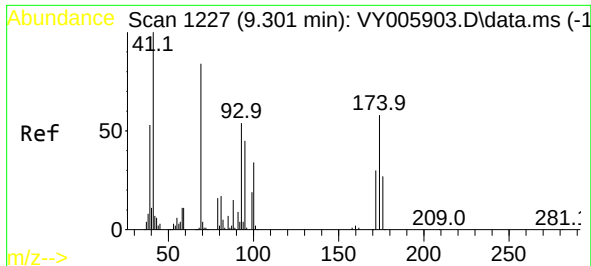
Tgt Ion:117 Resp: 6952
Ion Ratio Lower Upper
117 100
119 6.2 77.5 116.3#
121 0.0 25.0 37.6#



#39
Methylcyclohexane
Concen: 2.948 ug/l
RT: 9.185 min Scan# 1208
Delta R.T. -0.000 min
Lab File: VY005933.D
Acq: 01 Sep 2021 16:13

Tgt Ion: 83 Resp: 4072
Ion Ratio Lower Upper
83 100
55 98.6 61.4 92.2#
98 49.4 39.4 59.2

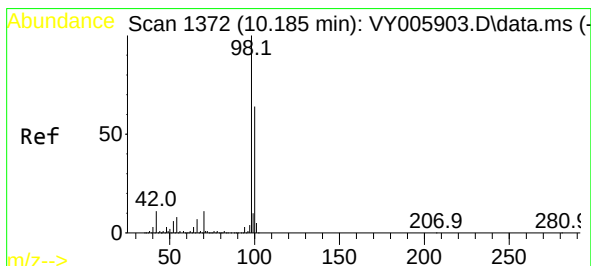
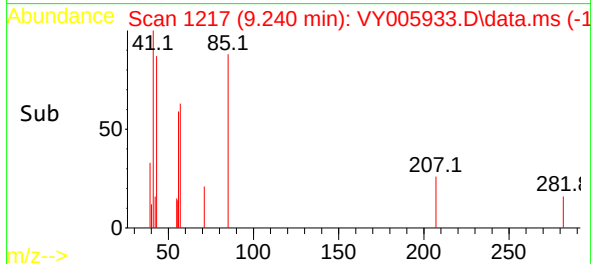
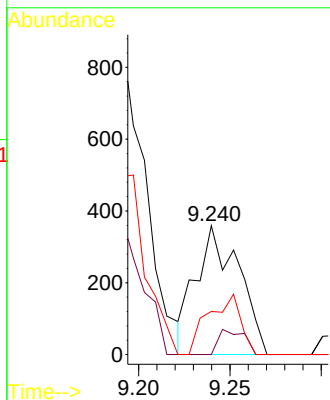
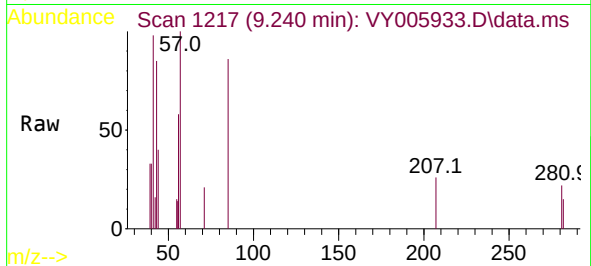




#48
Methyl methacrylate
Concen: 1.075 ug/l
RT: 9.240 min Scan# 1217
Delta R.T. -0.061 min
Lab File: VY005933.D
Acq: 01 Sep 2021 16:13

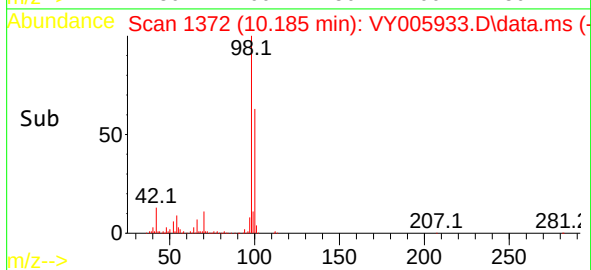
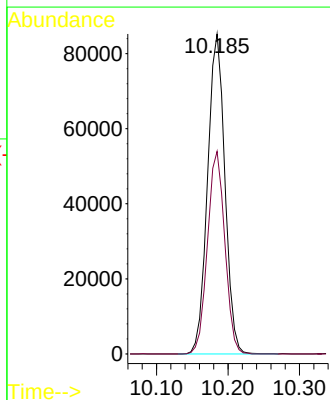
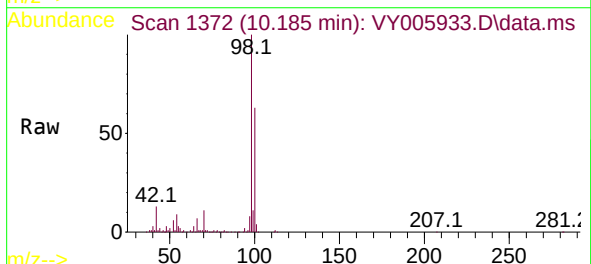
Instrument :
MSVOA_Y
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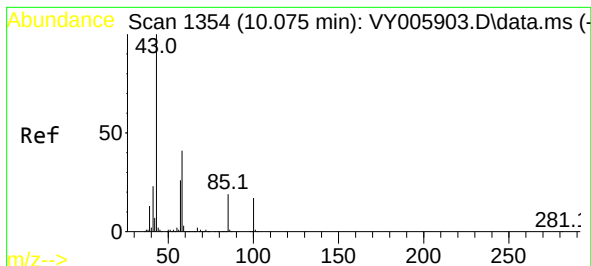
Tgt Ion: 41 Resp: 586
Ion Ratio Lower Upper
41 100
69 11.6 69.3 103.9#
39 35.3 44.2 66.4#



#50
Toluene-d8
Concen: 52.470 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY005933.D
Acq: 01 Sep 2021 16:13

Tgt Ion: 98 Resp: 143243
Ion Ratio Lower Upper
98 100
100 63.3 50.9 76.3

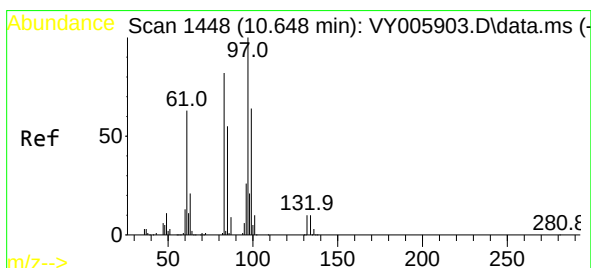
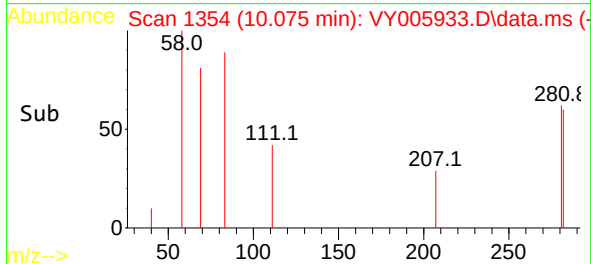
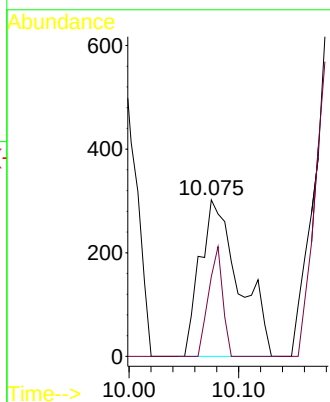
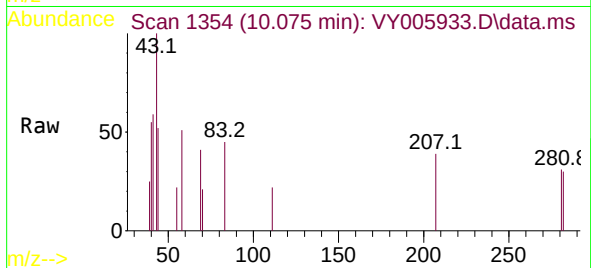




#51
4-Methyl-2-Pentanone
Concen: 1.170 ug/l
RT: 10.075 min Scan# 1354
Delta R.T. -0.000 min
Lab File: VY005933.D
Acq: 01 Sep 2021 16:13

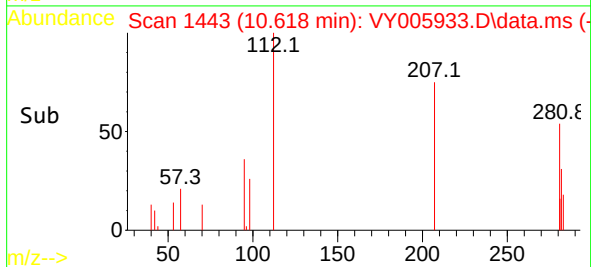
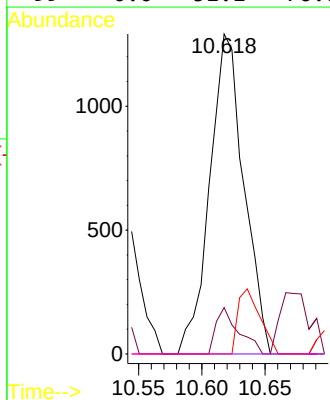
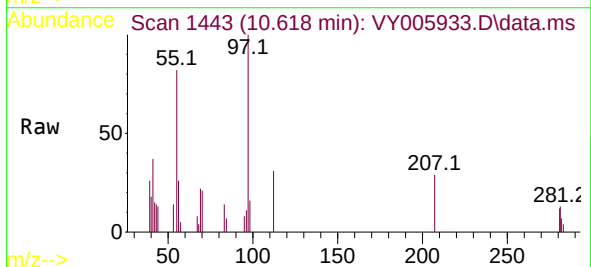
Instrument :
MSVOA_Y
ClientSampleId :
G-1RE

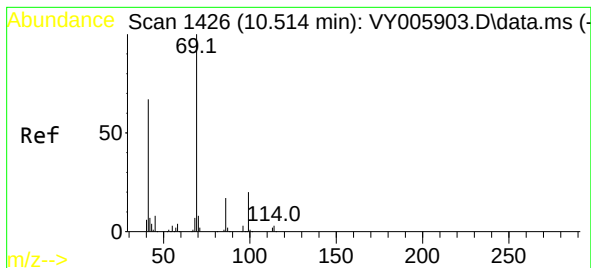
Tgt Ion: 43 Resp: 748
Ion Ratio Lower Upper
43 100
58 25.1 31.8 47.8#



#55
1,1,2-Trichloroethane
Concen: 3.884 ug/l
RT: 10.618 min Scan# 1443
Delta R.T. -0.031 min
Lab File: VY005933.D
Acq: 01 Sep 2021 16:13

Tgt Ion: 97 Resp: 2420
Ion Ratio Lower Upper
97 100
83 14.5 65.9 98.9#
85 0.0 44.2 66.4#
99 0.0 51.1 76.7#

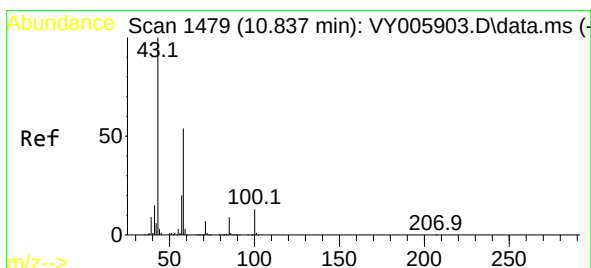
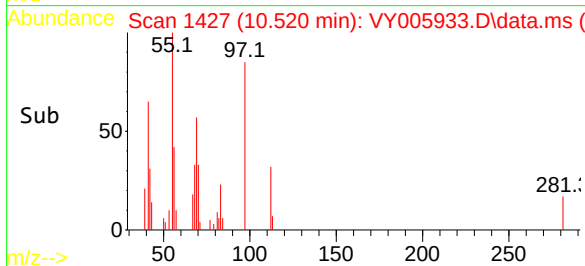
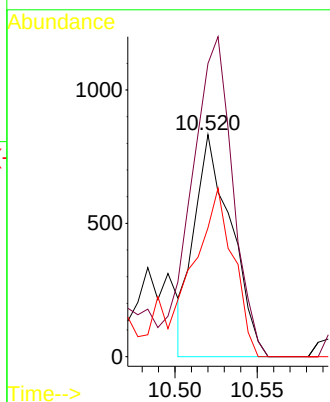
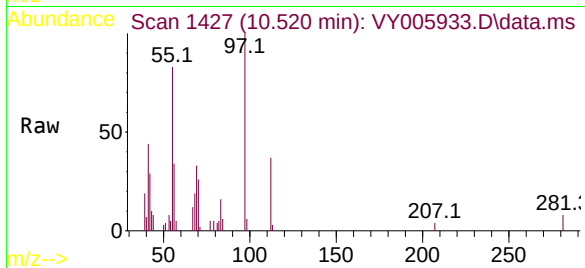




#56
Ethyl methacrylate
Concen: 1.446 ug/l
RT: 10.520 min Scan# 1427
Delta R.T. 0.006 min
Lab File: VY005933.D
Acq: 01 Sep 2021 16:13

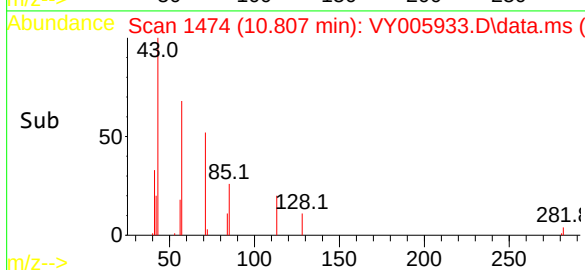
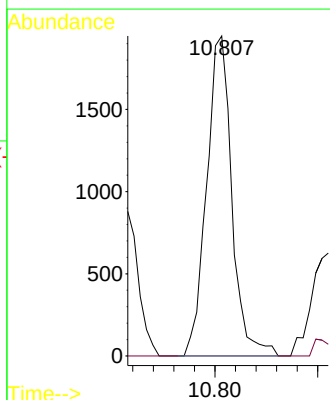
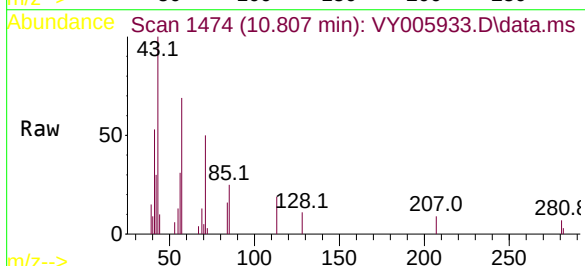
Instrument :
MSVOA_Y
ClientSampled :
G-1RE

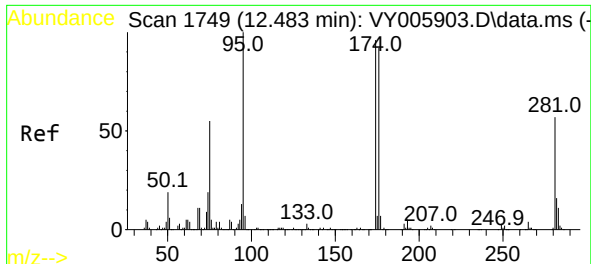
Tgt Ion: 69 Resp: 1304
Ion Ratio Lower Upper
69 100
41 159.5 53.4 80.0#
39 98.3 28.0 42.0#



#59
2-Hexanone
Concen: 7.442 ug/l
RT: 10.807 min Scan# 1474
Delta R.T. -0.031 min
Lab File: VY005933.D
Acq: 01 Sep 2021 16:13

Tgt Ion: 43 Resp: 3323
Ion Ratio Lower Upper
43 100
58 0.0 27.3 81.9#

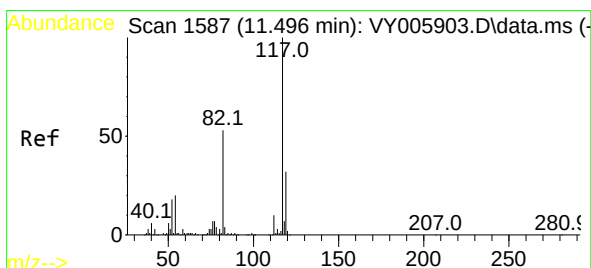
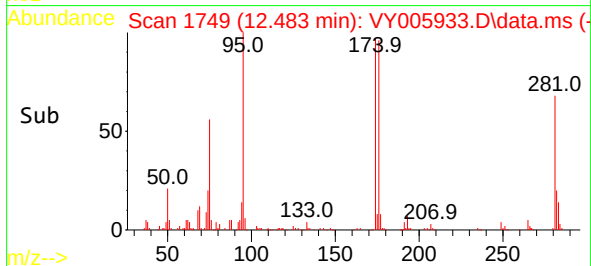
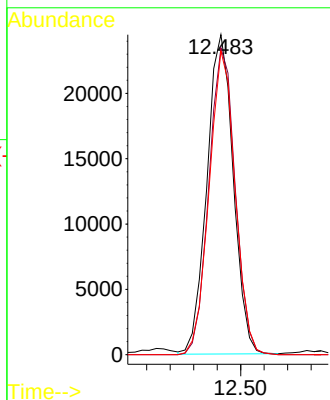
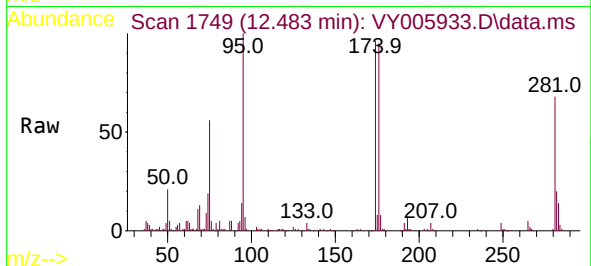




#62
4-Bromofluorobenzene
Concen: 41.567 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY005933.D
Acq: 01 Sep 2021 16:13

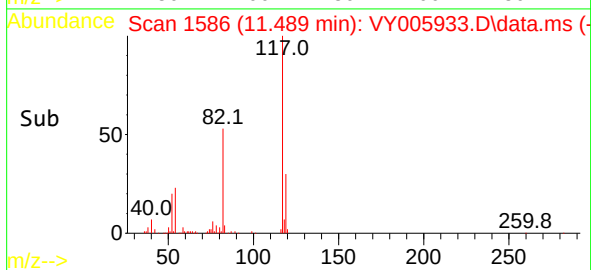
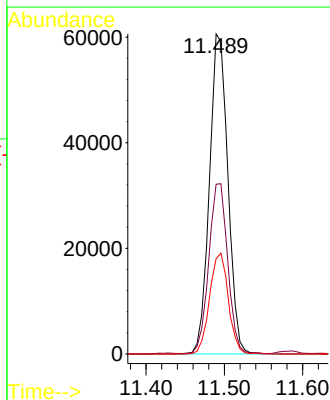
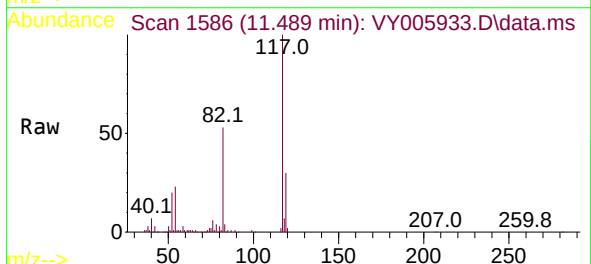
Instrument :
MSVOA_Y
ClientSampleId :
G-1RE

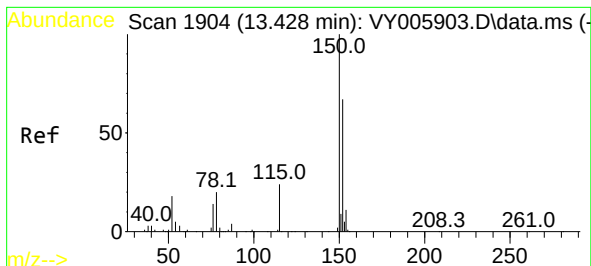
Tgt Ion: 95 Resp: 38104
Ion Ratio Lower Upper
95 100
174 95.5 0.0 192.4
176 93.5 0.0 186.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.006 min
Lab File: VY005933.D
Acq: 01 Sep 2021 16:13

Tgt Ion: 117 Resp: 99053
Ion Ratio Lower Upper
117 100
82 52.9 42.4 63.6
119 29.8 25.4 38.0

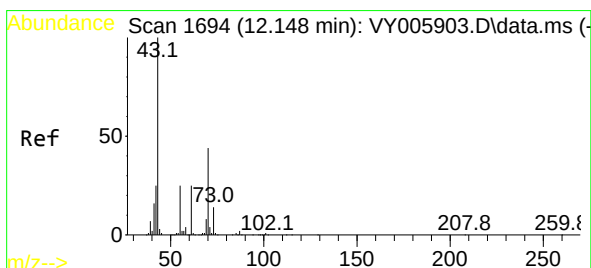
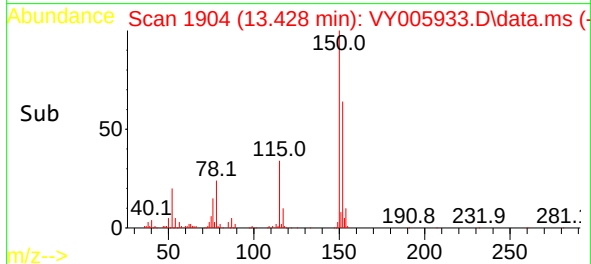
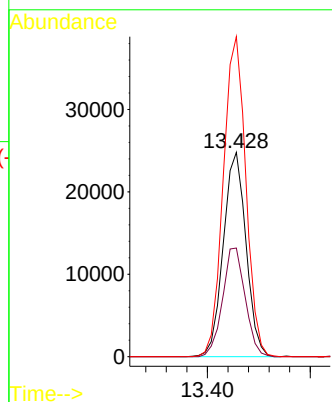
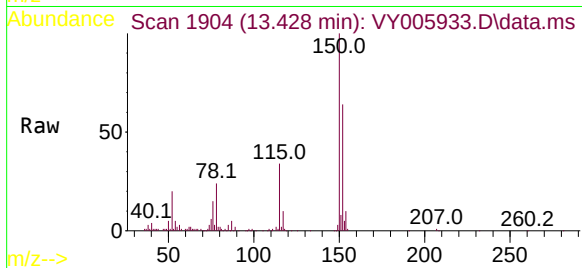




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY005933.D
Acq: 01 Sep 2021 16:13

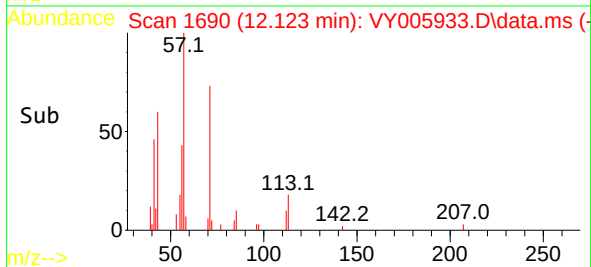
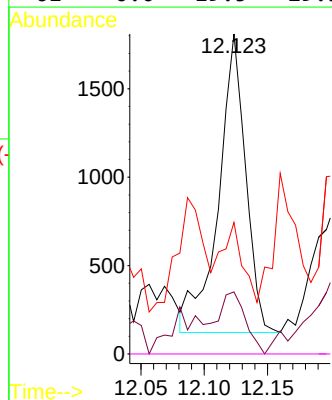
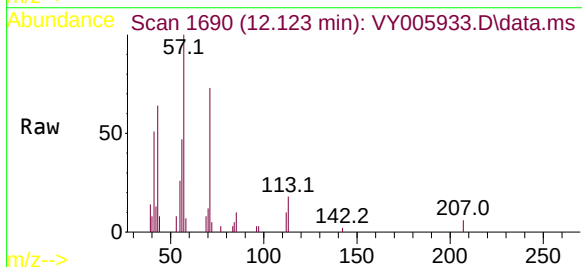
Instrument :
MSVOA_Y
ClientSampleId :
G-1RE

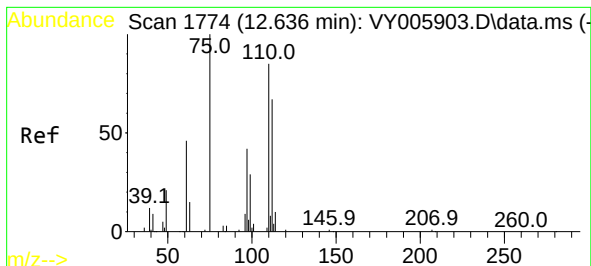
Tgt Ion:152 Resp: 38050
Ion Ratio Lower Upper
152 100
115 52.9 26.8 80.4
150 155.1 0.0 345.6



#74
N-ethyl acetate
Concen: 3.456 ug/l
RT: 12.123 min Scan# 1690
Delta R.T. -0.025 min
Lab File: VY005933.D
Acq: 01 Sep 2021 16:13

Tgt Ion: 43 Resp: 2515
Ion Ratio Lower Upper
43 100
70 19.4 34.2 51.4#
55 21.0 19.4 29.2
61 0.0 19.5 29.3#

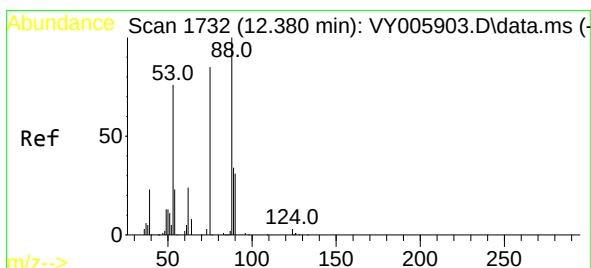
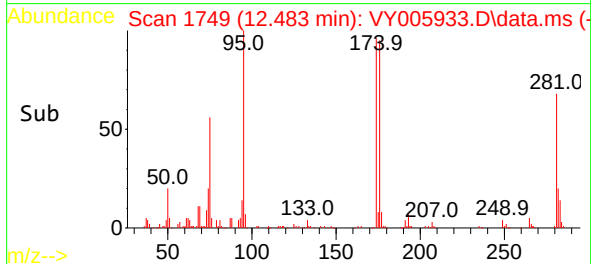
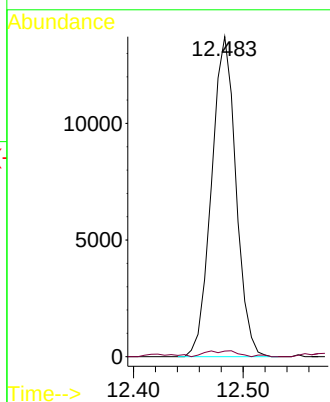
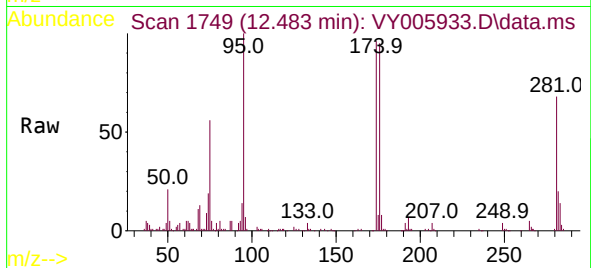




#76
1,2,3-Trichloropropane
Concen: 59.607 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY005933.D
Acq: 01 Sep 2021 16:13

Instrument :
MSVOA_Y
ClientSampled :
G-1RE

Tgt Ion: 75 Resp: 21228
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 113.359 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY005933.D
Acq: 01 Sep 2021 16:13

Tgt Ion: 75 Resp: 21228
Ion Ratio Lower Upper
75 100
53 0.9 71.8 107.8#
89 0.0 35.8 53.6#

