

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102722\
 Data File : VY011134.D
 Acq On : 27 Oct 2022 13:26
 Operator : KP/MD
 Sample : N5281-02RE
 Misc : 6.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-2RE

Quant Time: Oct 28 00:46:28 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101722S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 18 01:42:42 2022
 Response via : Initial Calibration

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

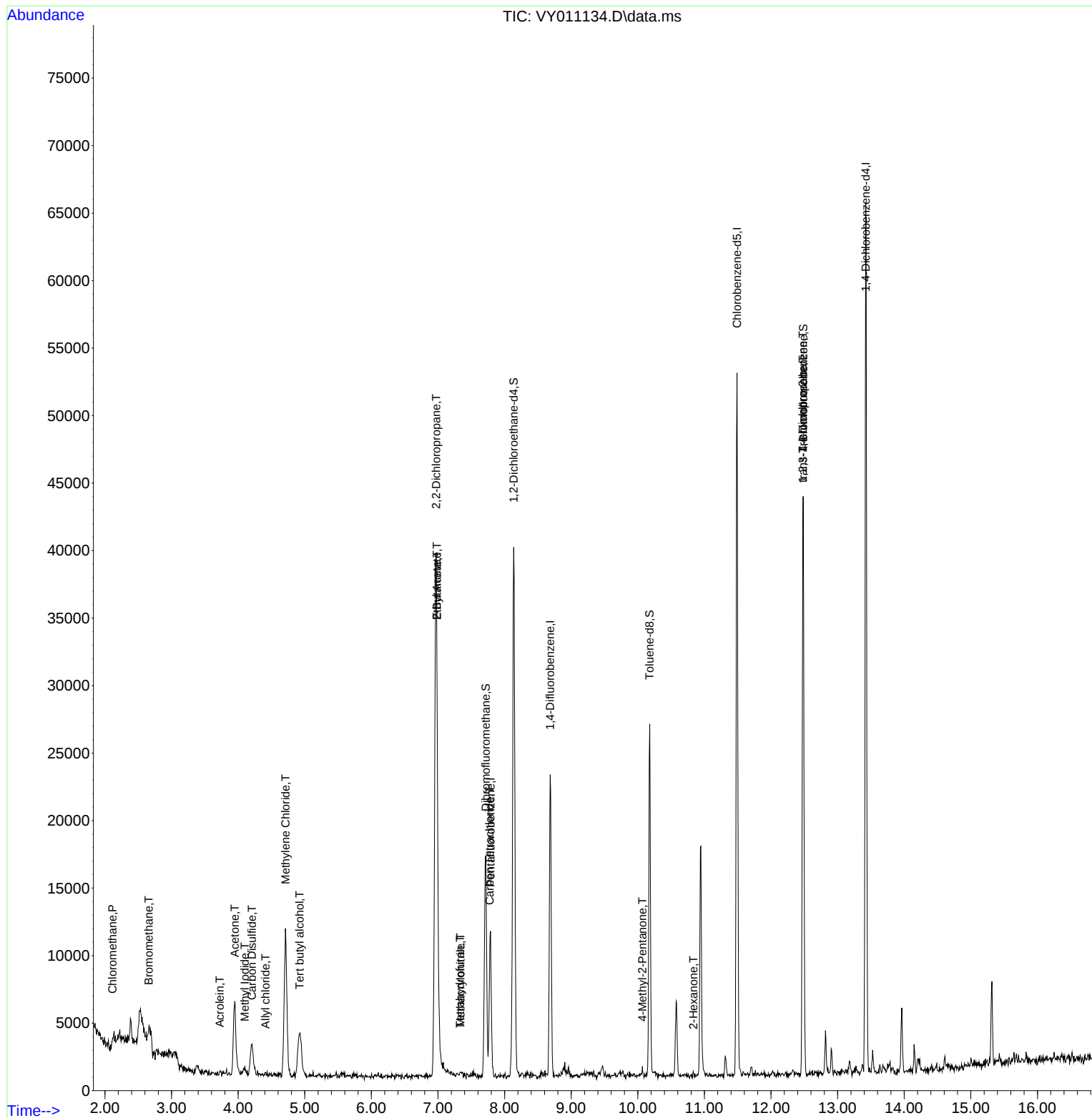
Internal Standards						
1) Pentafluorobenzene	7.789	168	8249	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	19804	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	30071	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	17401	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	30136	396.603	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 793.200%#	
35) Dibromofluoromethane	7.716	113	11887	110.277	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 220.560%#	
50) Toluene-d8	10.179	98	17475	42.260	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 84.520%	
62) 4-Bromofluorobenzene	12.483	95	12325	86.378	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 172.760%#	
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	331	4.217	ug/l #	87
5) Bromomethane	2.656	94	376	6.110	ug/l #	23
10) Methyl Iodide	4.101	142	807	8.074	ug/l #	72
11) Tert butyl alcohol	4.924	59	3953	482.282	ug/l #	81
13) Acrolein	3.723	56	51	4.163	ug/l	85
14) Allyl chloride	4.411	41	320	2.579	ug/l #	22
16) Acetone	3.948	43	9928	449.924	ug/l #	83
17) Carbon Disulfide	4.204	76	307	1.338	ug/l #	75
18) Methyl Acetate	4.472	43	77	Below Cal	#	56
20) Methylene Chloride	4.710	84	7832	85.994	ug/l #	79
25) 2-Butanone	6.984	43	4851	144.964	ug/l #	86
26) 2,2-Dichloropropane	6.972	77	2833	19.882	ug/l #	55
29) Tetrahydrofuran	7.332	42	108	5.246	ug/l #	66
37) Ethyl Acetate	6.984	43	4851	47.527	ug/l #	49
38) Carbon Tetrachloride	7.777	117	815	4.283	ug/l #	11
41) Methacrylonitrile	7.338	41	109	1.971	ug/l #	1
51) 4-Methyl-2-Pentanone	10.069	43	439	4.316	ug/l #	88
59) 2-Hexanone	10.837	43	98	1.403	ug/l #	28
76) 1,2,3-Trichloropropane	12.477	75	6109	30.923	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	6109	66.506	ug/l #	7

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

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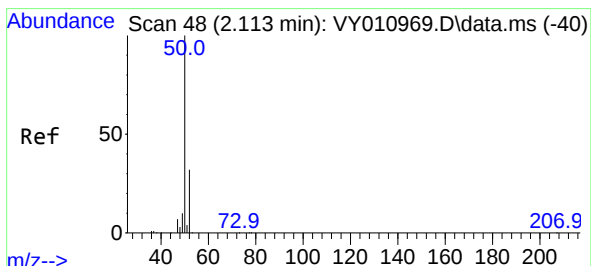
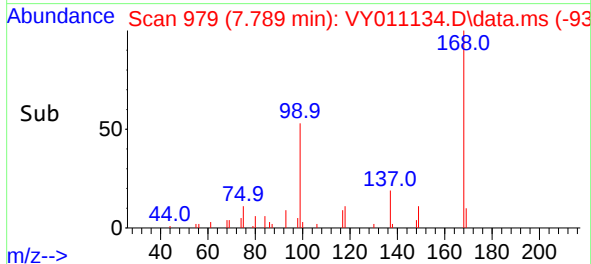
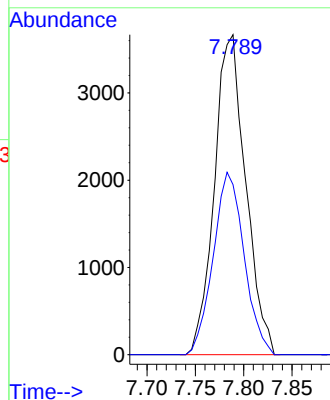
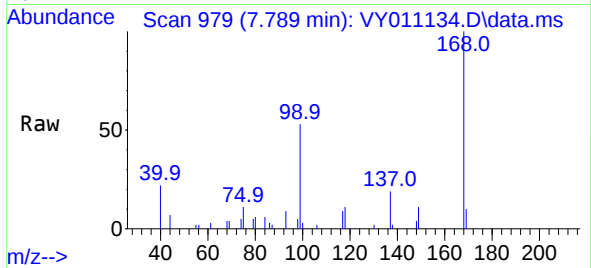




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011134.D
Acq: 27 Oct 2022 13:26

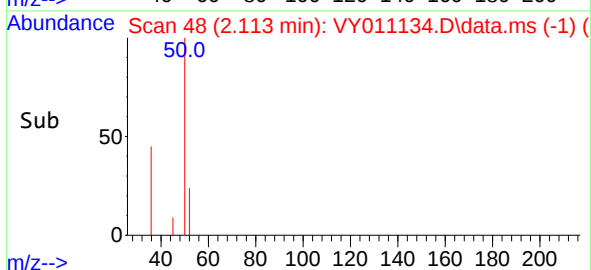
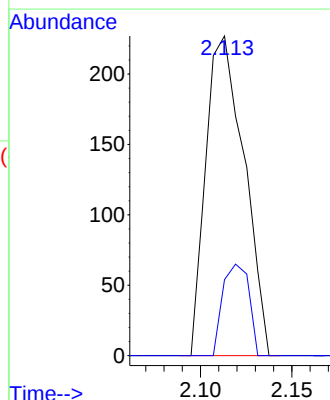
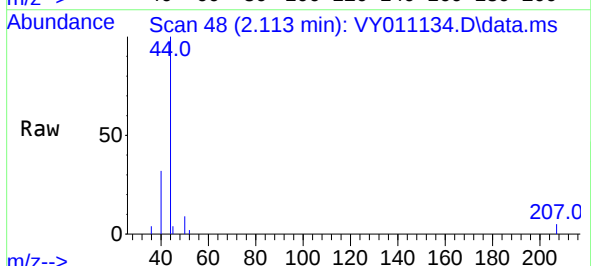
Instrument :
MSVOA_Y
ClientSampleId :
SB-2RE

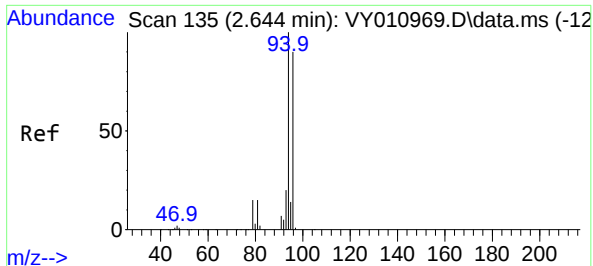
Tgt Ion:168 Resp: 8249
Ion Ratio Lower Upper
168 100
99 53.1 46.9 70.3



#3
Chloromethane
Concen: 4.217 ug/l
RT: 2.113 min Scan# 48
Delta R.T. 0.000 min
Lab File: VY011134.D
Acq: 27 Oct 2022 13:26

Tgt Ion: 50 Resp: 331
Ion Ratio Lower Upper
50 100
52 23.8 24.6 37.0#

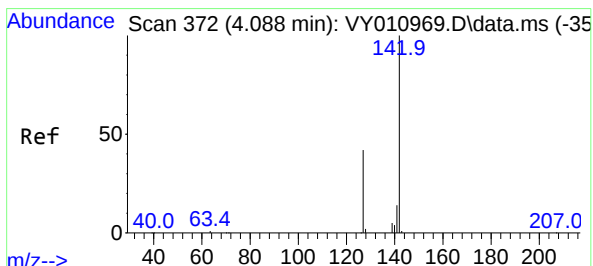
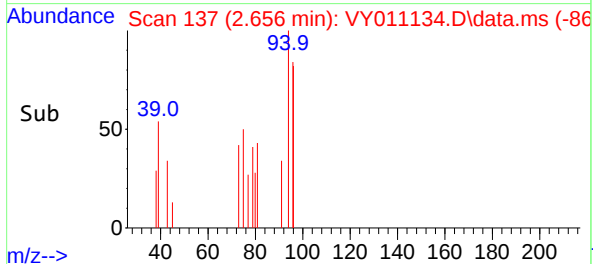
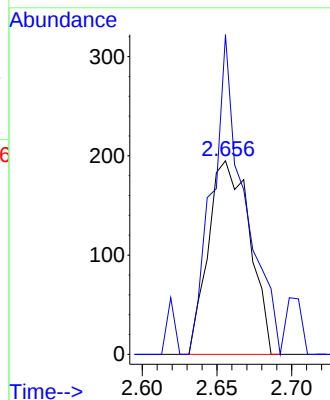
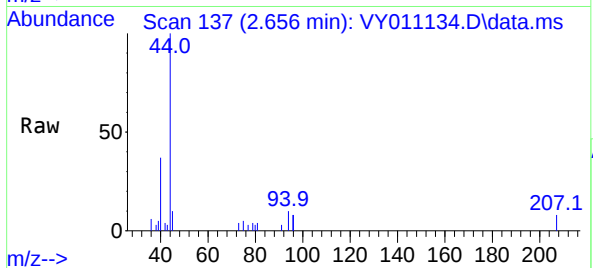




#5
Bromomethane
Concen: 6.110 ug/l
RT: 2.656 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY011134.D
Acq: 27 Oct 2022 13:26

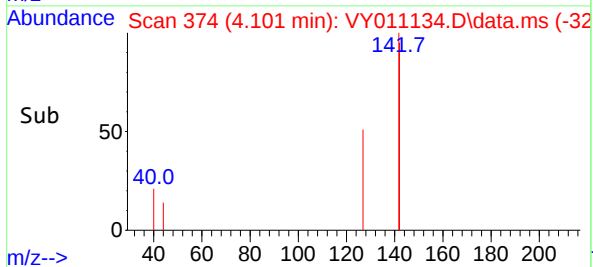
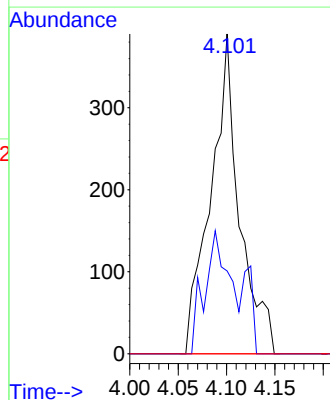
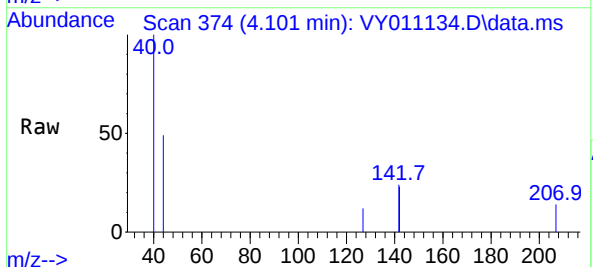
Instrument :
MSVOA_Y
ClientSampleId :
SB-2RE

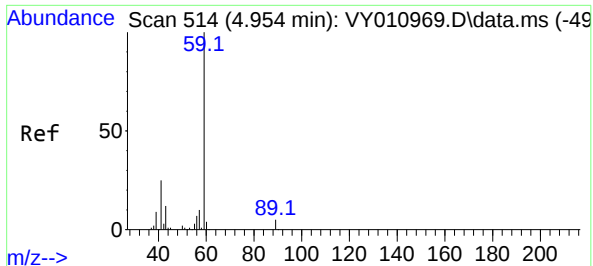
Tgt Ion: 94 Resp: 376
Ion Ratio Lower Upper
94 100
96 165.1 73.5 110.3#



#10
Methyl Iodide
Concen: 8.074 ug/l
RT: 4.101 min Scan# 374
Delta R.T. 0.013 min
Lab File: VY011134.D
Acq: 27 Oct 2022 13:26

Tgt Ion:142 Resp: 807
Ion Ratio Lower Upper
142 100
127 33.7 41.5 62.3#
141 0.0 11.9 17.9#

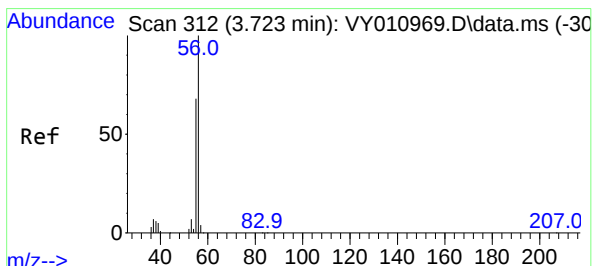
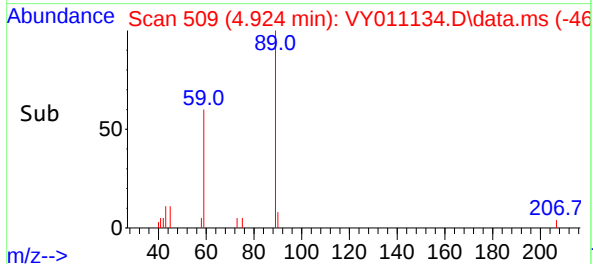
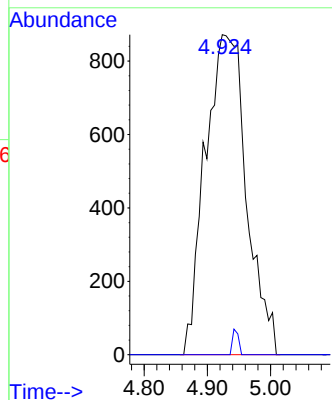
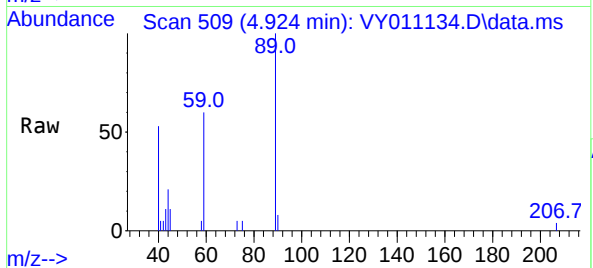




#11
Tert butyl alcohol
Concen: 482.282 ug/l
RT: 4.924 min Scan# 509
Delta R.T. -0.030 min
Lab File: VY011134.D
Acq: 27 Oct 2022 13:26

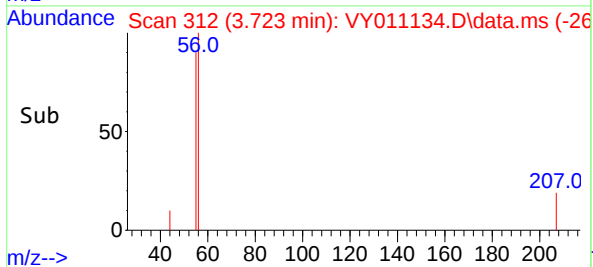
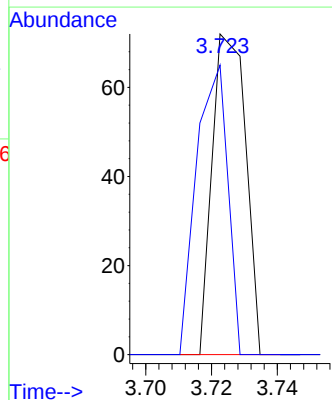
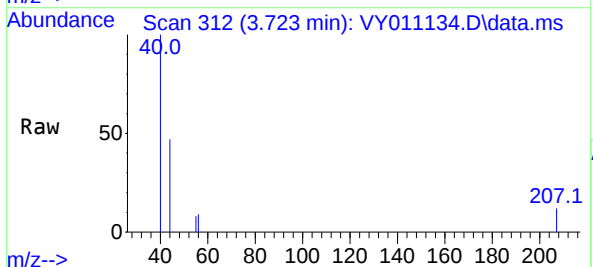
Instrument :
MSVOA_Y
ClientSampleId :
SB-2RE

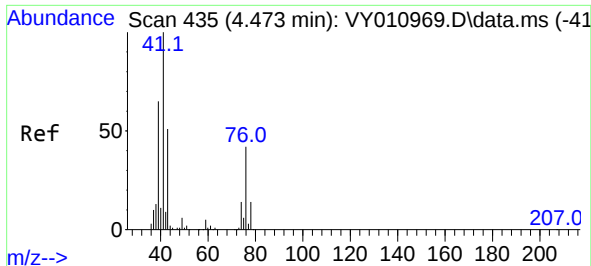
Tgt Ion: 59 Resp: 3953
Ion Ratio Lower Upper
59 100
57 1.2 6.4 9.6#



#13
Acrolein
Concen: 4.163 ug/l
RT: 3.723 min Scan# 312
Delta R.T. -0.000 min
Lab File: VY011134.D
Acq: 27 Oct 2022 13:26

Tgt Ion: 56 Resp: 51
Ion Ratio Lower Upper
56 100
55 84.3 57.6 86.4

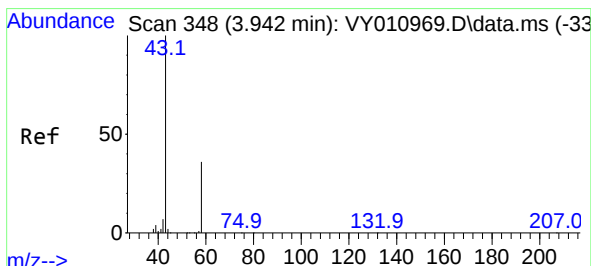
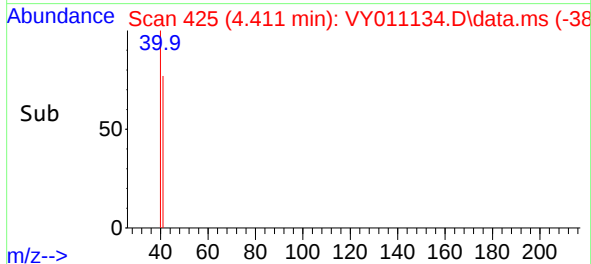
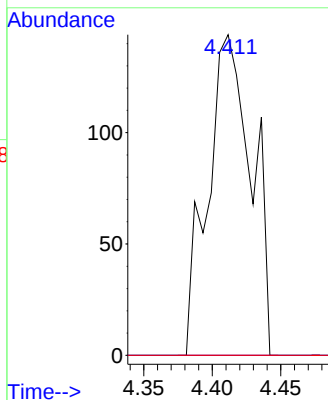
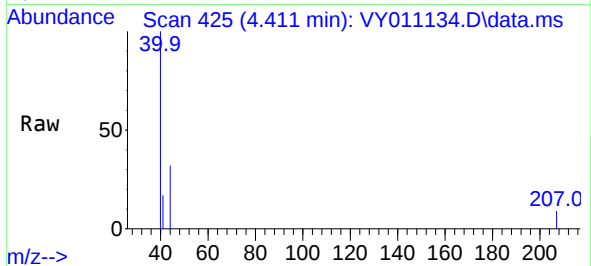




#14
 Allyl chloride
 Concen: 2.579 ug/l
 RT: 4.411 min Scan# 41
 Delta R.T. -0.062 min
 Lab File: VY011134.D
 Acq: 27 Oct 2022 13:26

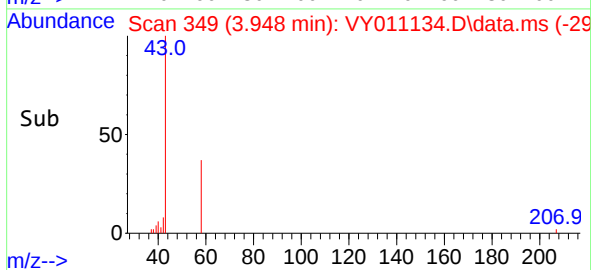
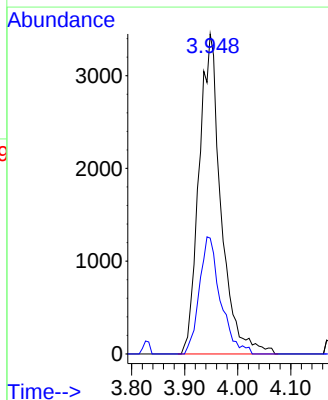
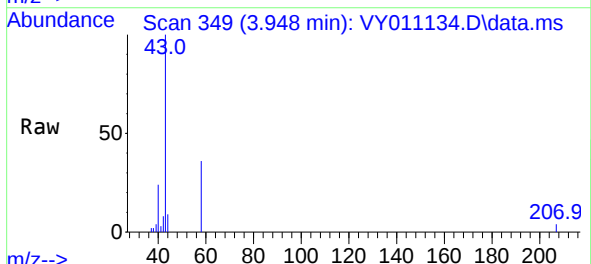
Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-2RE

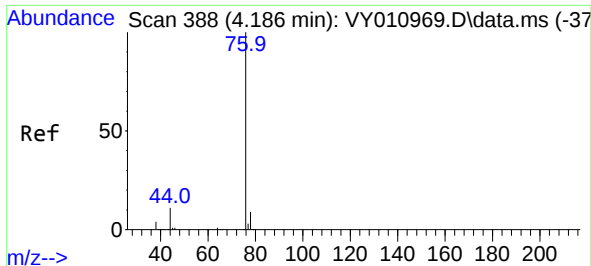
Tgt Ion: 41 Resp: 320
 Ion Ratio Lower Upper
 41 100
 39 0.0 58.8 88.2#
 76 0.0 25.1 37.7#



#16
 Acetone
 Concen: 449.924 ug/l
 RT: 3.948 min Scan# 349
 Delta R.T. 0.006 min
 Lab File: VY011134.D
 Acq: 27 Oct 2022 13:26

Tgt Ion: 43 Resp: 9928
 Ion Ratio Lower Upper
 43 100
 58 36.2 22.0 33.0#

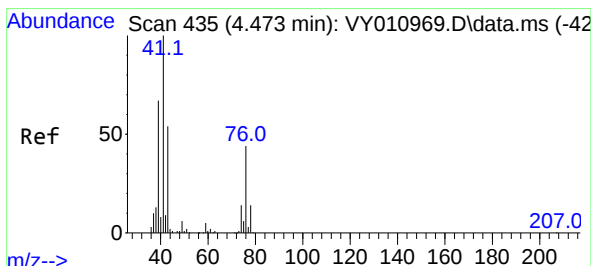
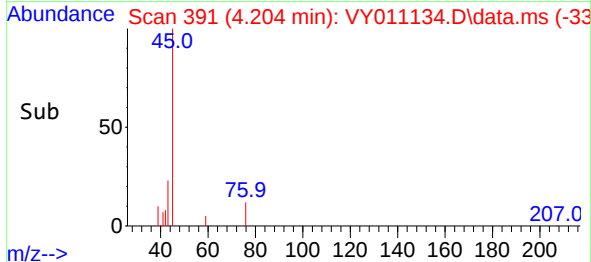
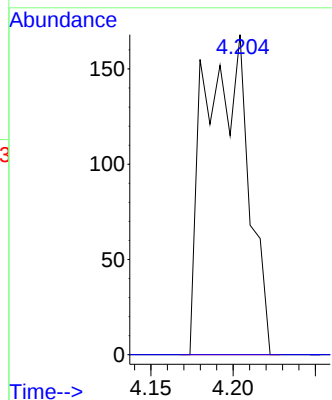
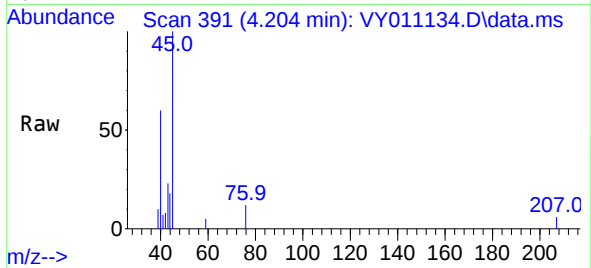




#17
Carbon Disulfide
Concen: 1.338 ug/l
RT: 4.204 min Scan# 391
Delta R.T. 0.018 min
Lab File: VY011134.D
Acq: 27 Oct 2022 13:26

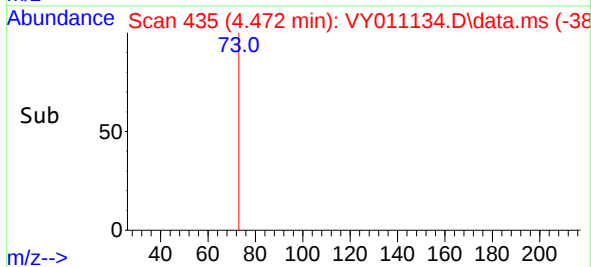
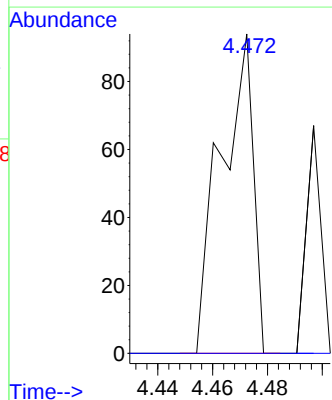
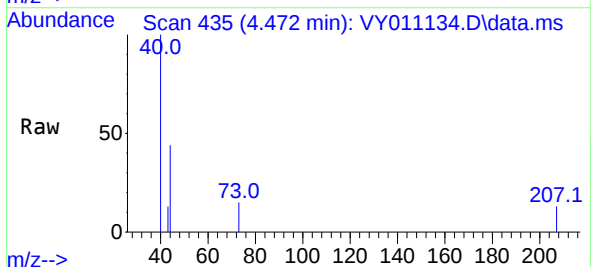
Instrument :
MSVOA_Y
ClientSampleId :
SB-2RE

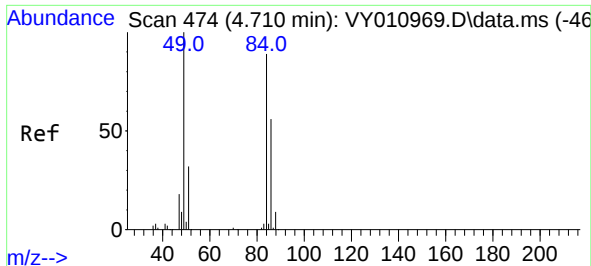
Tgt Ion: 76 Resp: 307
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.472 min Scan# 435
Delta R.T. -0.001 min
Lab File: VY011134.D
Acq: 27 Oct 2022 13:26

Tgt Ion: 43 Resp: 77
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



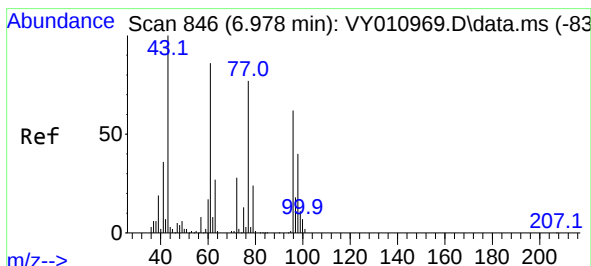
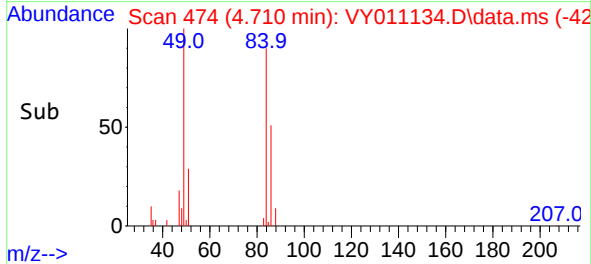
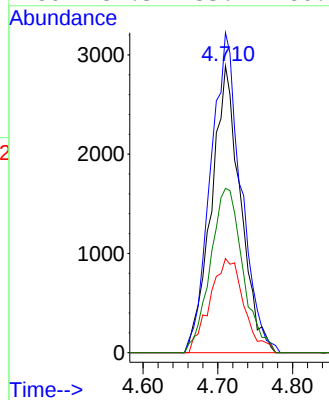
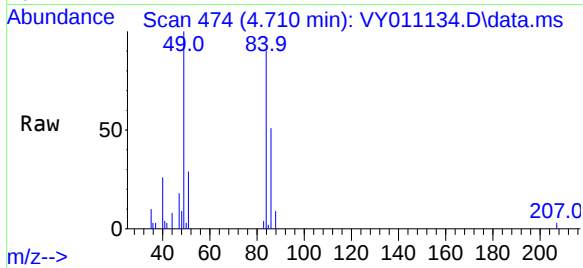


#20
Methylene Chloride
Concen: 85.994 ug/l
RT: 4.710 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY011134.D
Acq: 27 Oct 2022 13:26

Instrument :
MSVOA_Y
ClientSampleId :
SB-2RE

Tgt Ion: 84 Resp: 7832

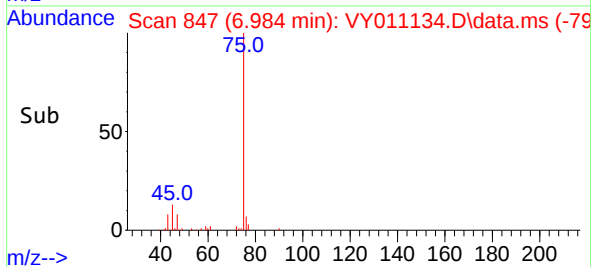
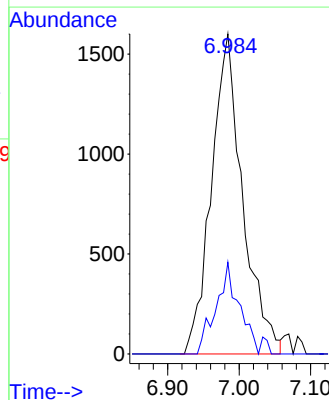
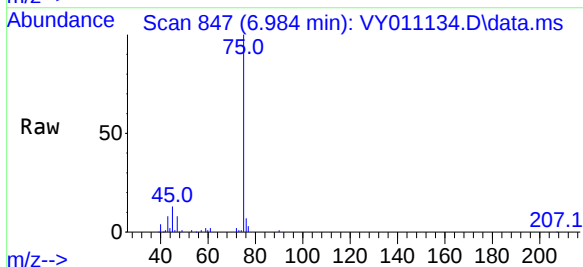
Ion	Ratio	Lower	Upper
84	100		
49	111.6	114.4	171.6#
51	32.8	35.3	52.9#
86	57.3	53.7	80.5

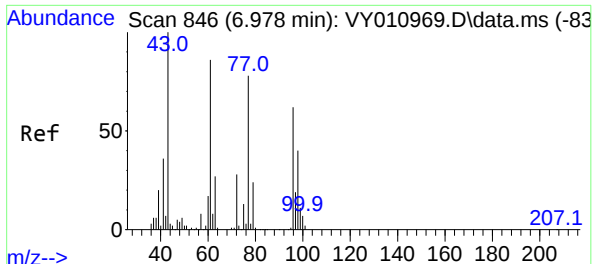


#25
2-Butanone
Concen: 144.964 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.006 min
Lab File: VY011134.D
Acq: 27 Oct 2022 13:26

Tgt Ion: 43 Resp: 4851

Ion	Ratio	Lower	Upper
43	100		
72	28.7	17.7	26.5#

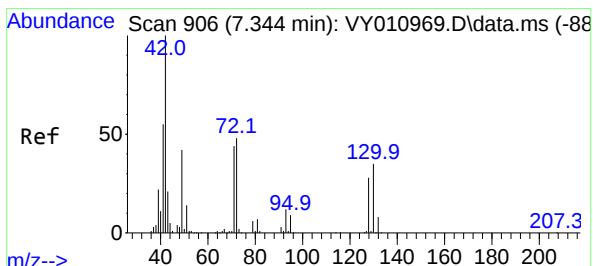
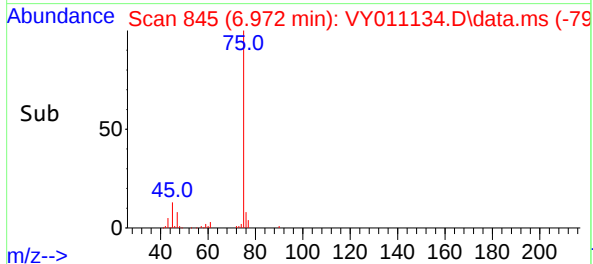
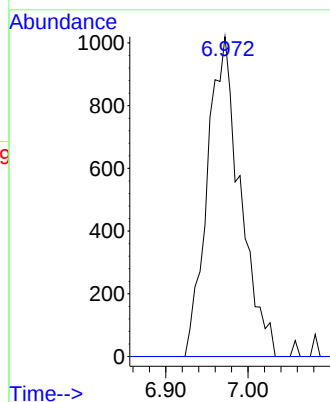
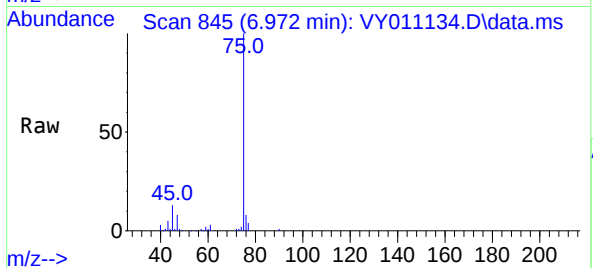




#26
2,2-Dichloropropane
Concen: 19.882 ug/l
RT: 6.972 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY011134.D
Acq: 27 Oct 2022 13:26

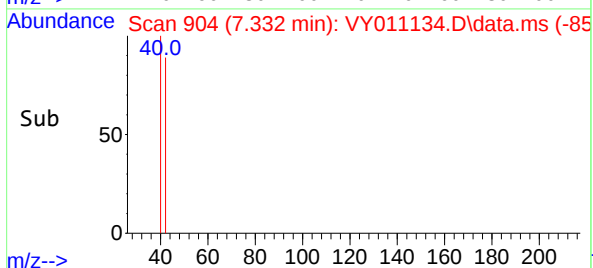
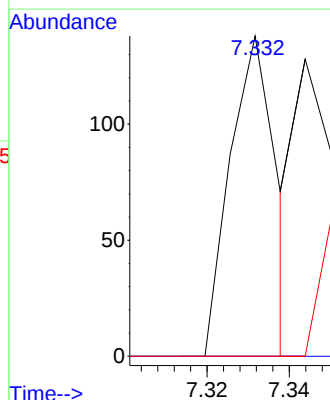
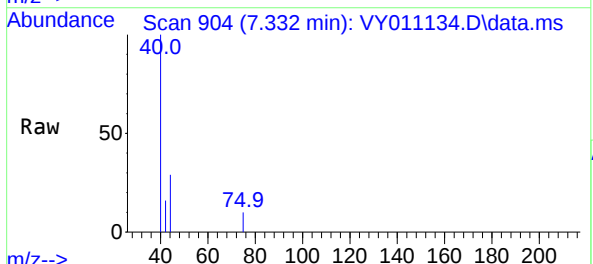
Instrument :
MSVOA_Y
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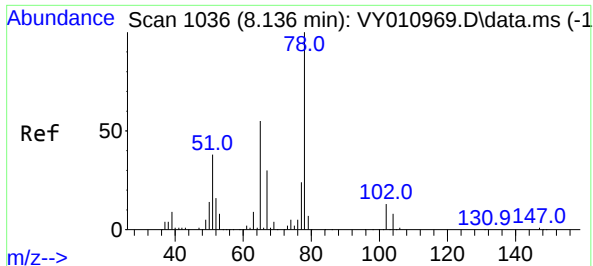
Tgt Ion: 77 Resp: 2833
Ion Ratio Lower Upper
77 100
97 0.0 10.4 31.4#



#29
Tetrahydrofuran
Concen: 5.246 ug/l
RT: 7.332 min Scan# 904
Delta R.T. -0.012 min
Lab File: VY011134.D
Acq: 27 Oct 2022 13:26

Tgt Ion: 42 Resp: 108
Ion Ratio Lower Upper
42 100
72 0.0 30.3 45.5#
71 38.0 29.0 43.4





#33

1,2-Dichloroethane-d4

Concen: 396.603 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY011134.D

Acq: 27 Oct 2022 13:26

Instrument :

MSVOA_Y

ClientSampleId :

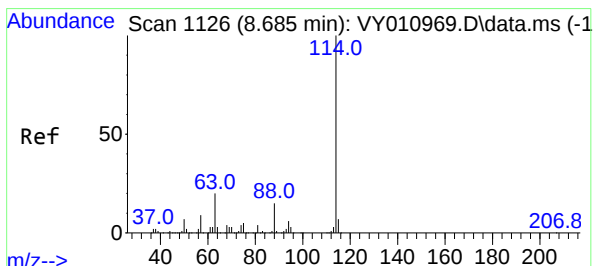
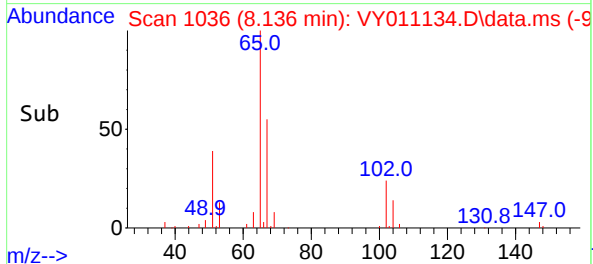
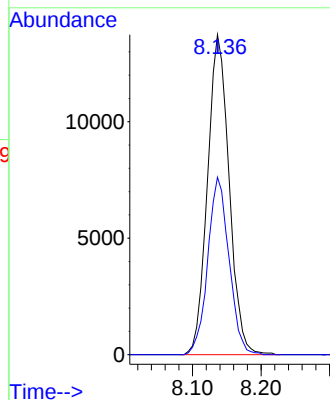
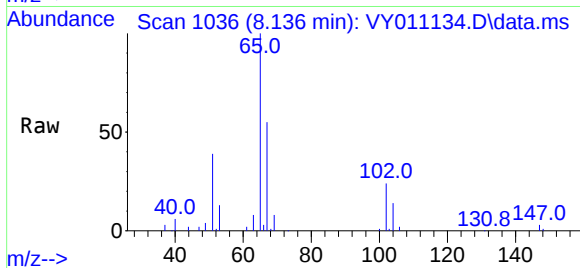
SB-2RE

Tgt Ion: 65 Resp: 30136

Ion Ratio Lower Upper

65 100

67 54.4 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY011134.D

Acq: 27 Oct 2022 13:26

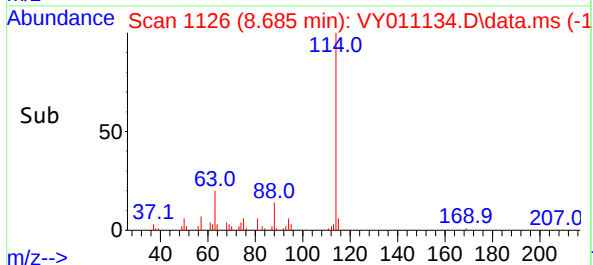
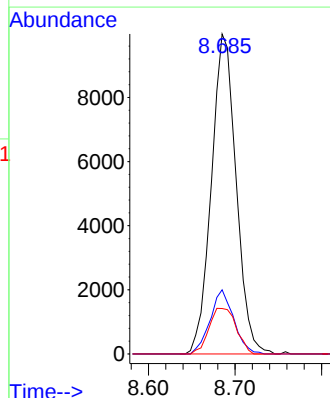
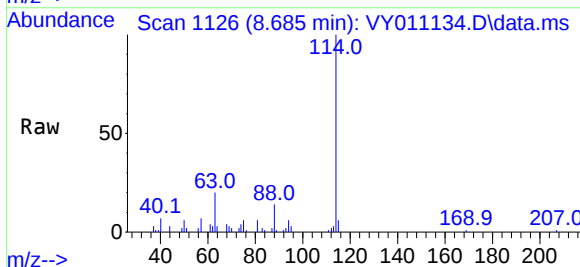
Tgt Ion: 114 Resp: 19804

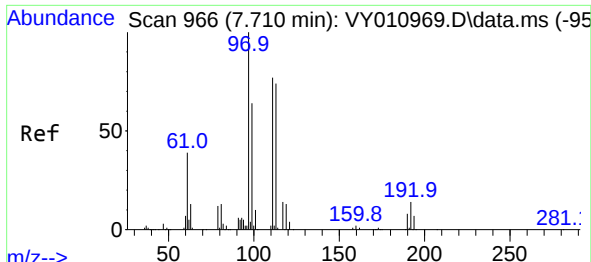
Ion Ratio Lower Upper

114 100

63 20.1 0.0 43.2

88 14.2 0.0 31.8

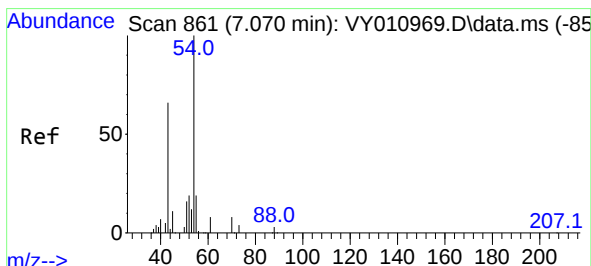
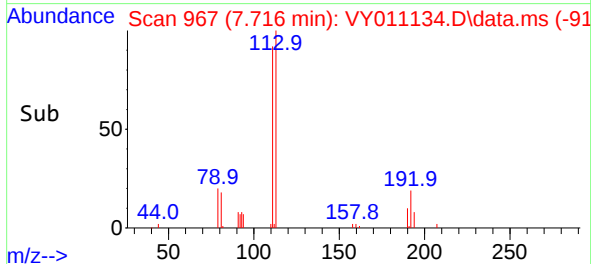
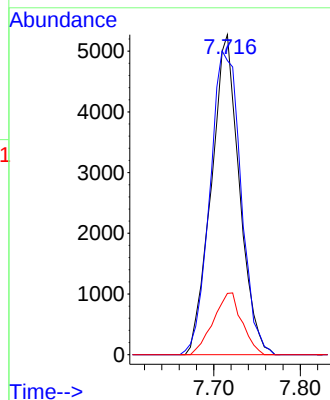
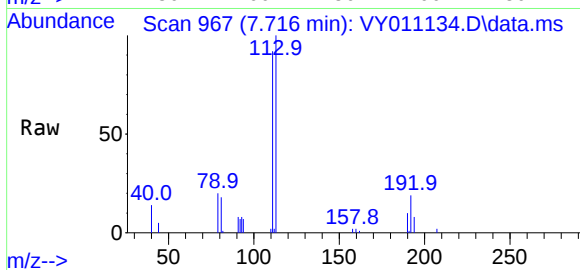




#35
Dibromofluoromethane
Concen: 110.277 ug/l
RT: 7.716 min Scan# 90
Delta R.T. 0.006 min
Lab File: VY011134.D
Acq: 27 Oct 2022 13:26

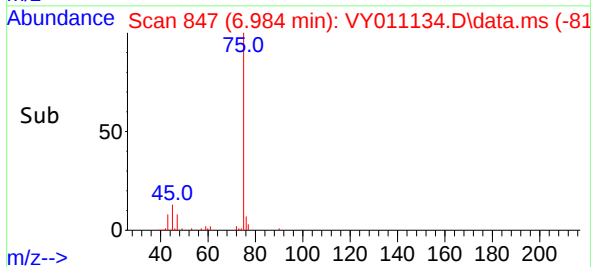
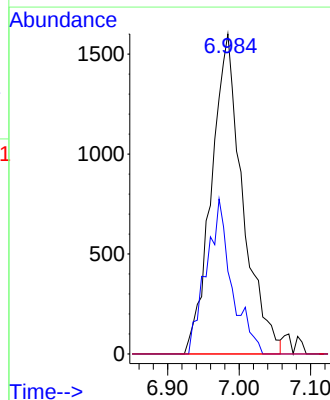
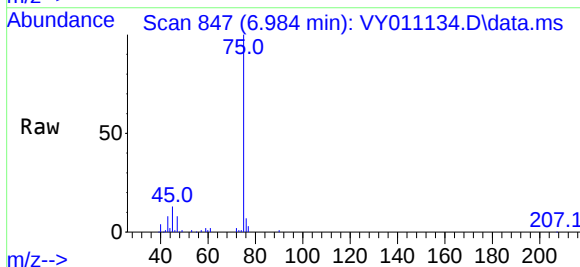
Instrument :
MSVOA_Y
ClientSampleId :
SB-2RE

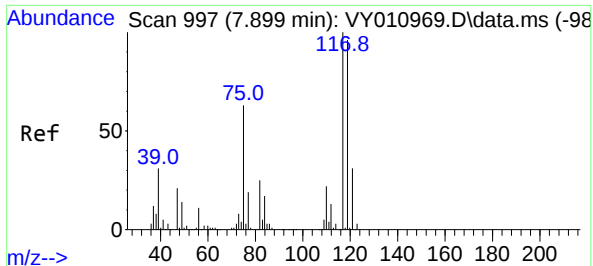
Tgt Ion:113 Resp: 11887
Ion Ratio Lower Upper
113 100
111 104.4 82.6 124.0
192 19.7 17.6 26.4



#37
Ethyl Acetate
Concen: 47.527 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.086 min
Lab File: VY011134.D
Acq: 27 Oct 2022 13:26

Tgt Ion: 43 Resp: 4851
Ion Ratio Lower Upper
43 100
61 39.7 9.7 14.5#
70 0.0 7.1 10.7#

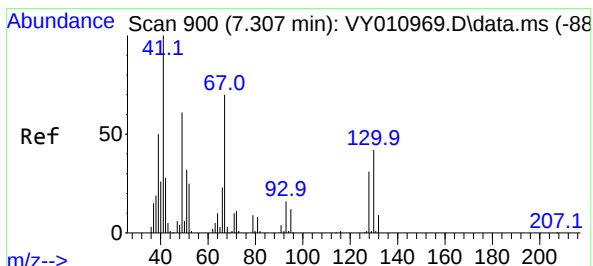
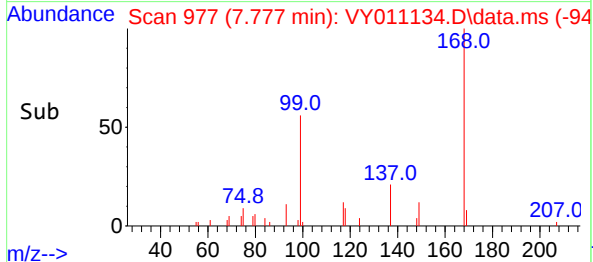
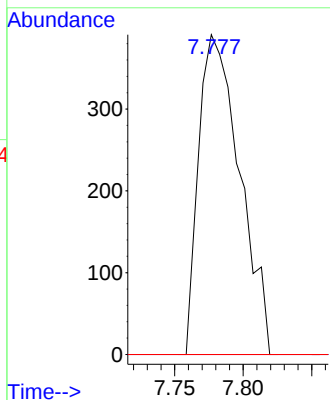
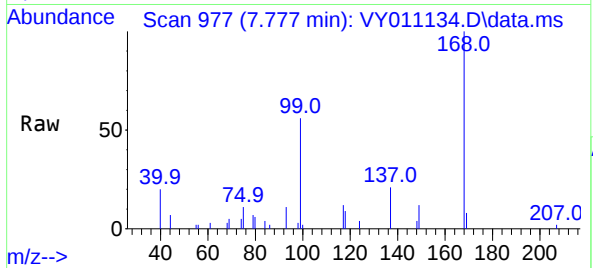




#38
Carbon Tetrachloride
Concen: 4.283 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY011134.D
Acq: 27 Oct 2022 13:26

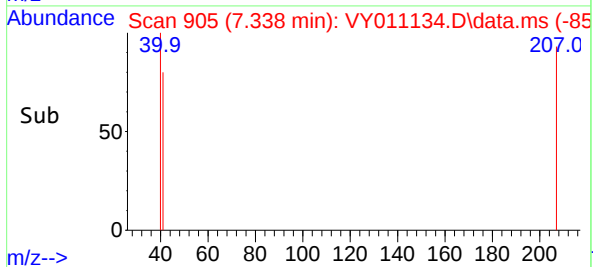
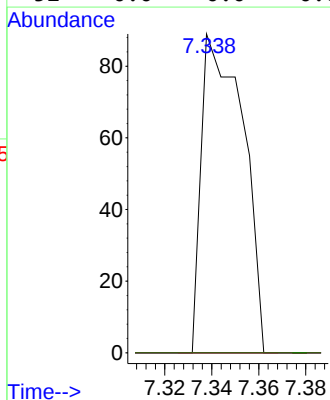
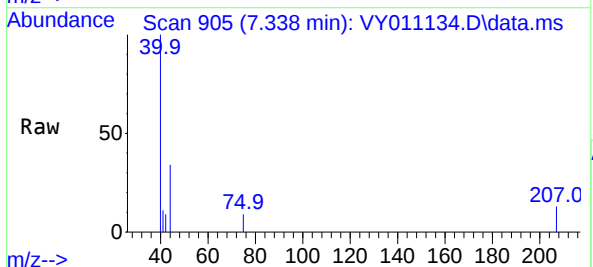
Instrument :
MSVOA_Y
ClientSampleId :
SB-2RE

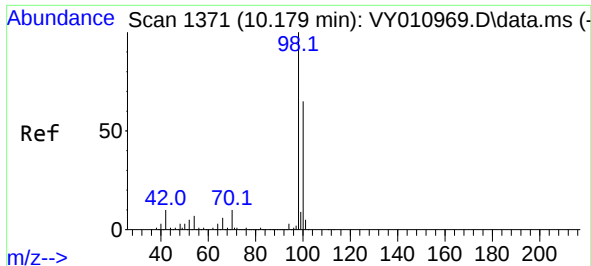
Tgt Ion:117 Resp: 815
Ion Ratio Lower Upper
117 100
119 0.0 77.9 116.9#
121 0.0 24.8 37.2#



#41
Methacrylonitrile
Concen: 1.971 ug/l
RT: 7.338 min Scan# 905
Delta R.T. 0.031 min
Lab File: VY011134.D
Acq: 27 Oct 2022 13:26

Tgt Ion: 41 Resp: 109
Ion Ratio Lower Upper
41 100
39 0.0 92.9 139.3#
67 0.0 0.0 0.0
52 0.0 0.0 0.0

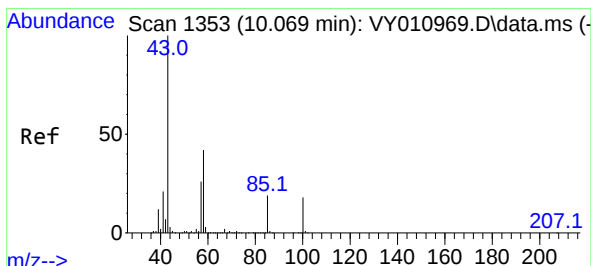
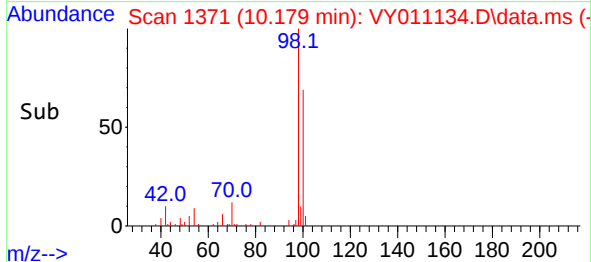
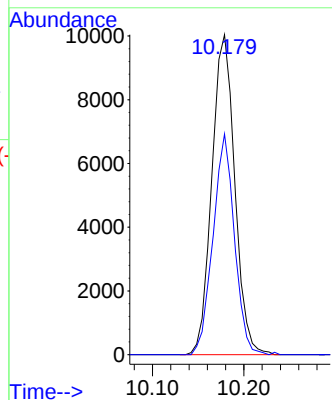
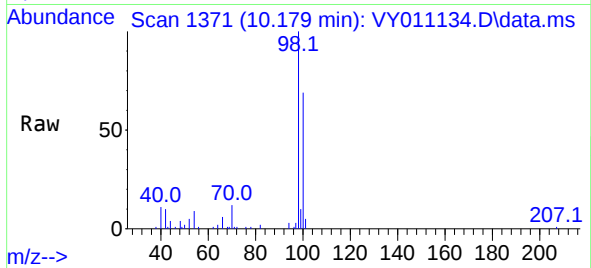




#50
Toluene-d8
Concen: 42.260 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011134.D
Acq: 27 Oct 2022 13:26

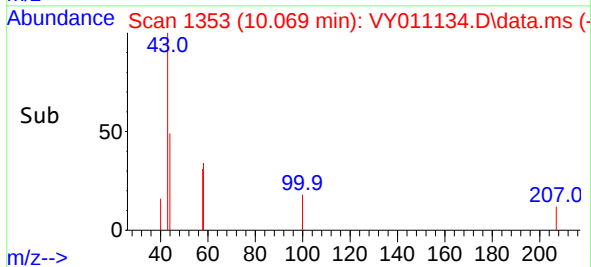
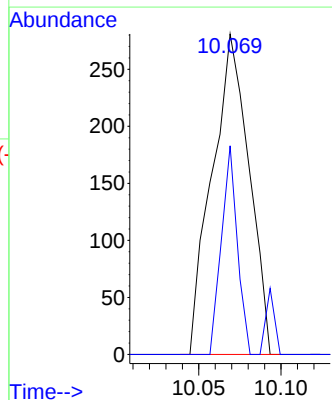
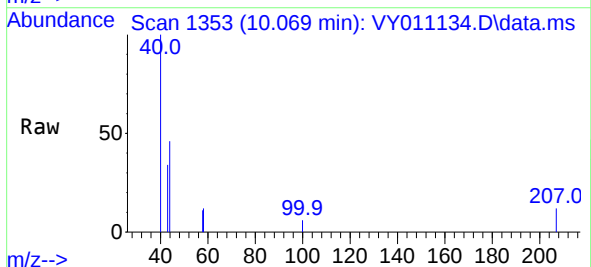
Instrument :
MSVOA_Y
ClientSampleId :
SB-2RE

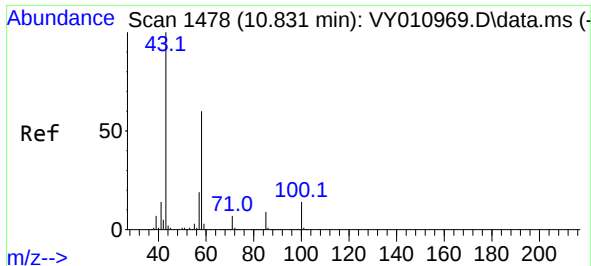
Tgt Ion: 98 Resp: 17475
Ion Ratio Lower Upper
98 100
100 64.5 50.2 75.2



#51
4-Methyl-2-Pentanone
Concen: 4.316 ug/l
RT: 10.069 min Scan# 1353
Delta R.T. -0.000 min
Lab File: VY011134.D
Acq: 27 Oct 2022 13:26

Tgt Ion: 43 Resp: 439
Ion Ratio Lower Upper
43 100
58 28.0 28.1 42.1#





#59

2-Hexanone

Concen: 1.403 ug/l

RT: 10.837 min Scan# 1478

Delta R.T. 0.006 min

Lab File: VY011134.D

Acq: 27 Oct 2022 13:26

Instrument :

MSVOA_Y

ClientSampleId :

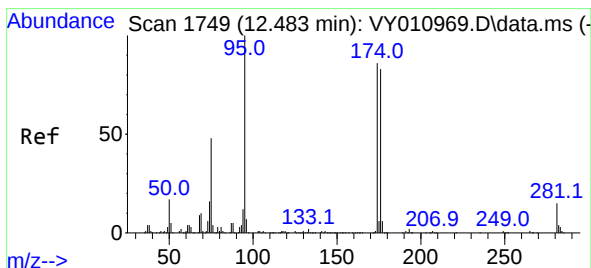
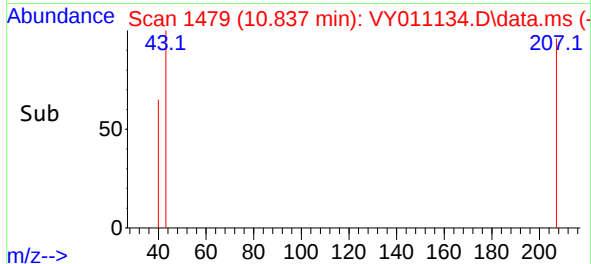
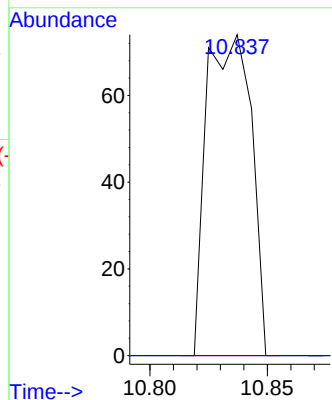
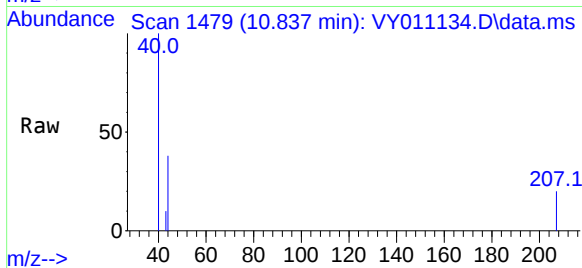
SB-2RE

Tgt Ion: 43 Resp: 98

Ion Ratio Lower Upper

43 100

58 0.0 24.4 73.4#



#62

4-Bromofluorobenzene

Concen: 86.378 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VY011134.D

Acq: 27 Oct 2022 13:26

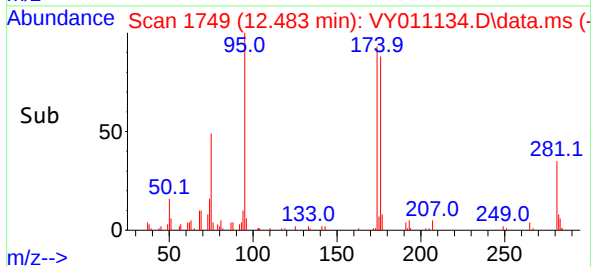
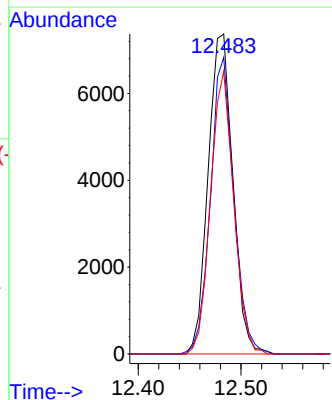
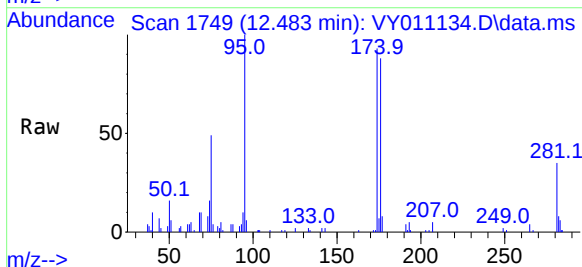
Tgt Ion: 95 Resp: 12325

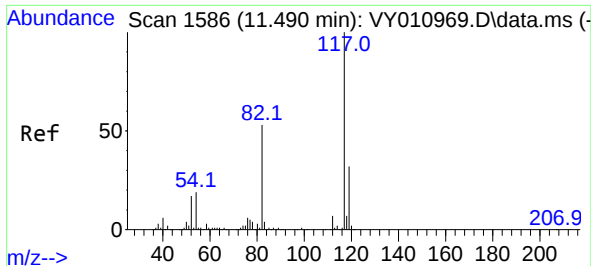
Ion Ratio Lower Upper

95 100

174 87.5 0.0 177.0

176 82.5 0.0 175.8

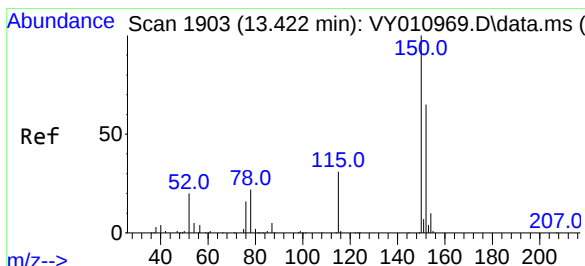
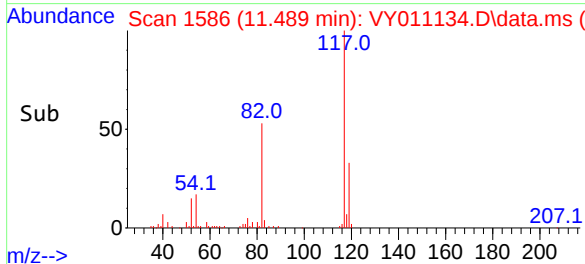
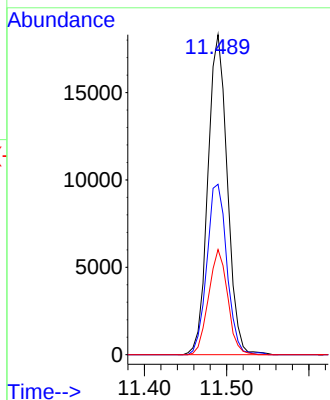
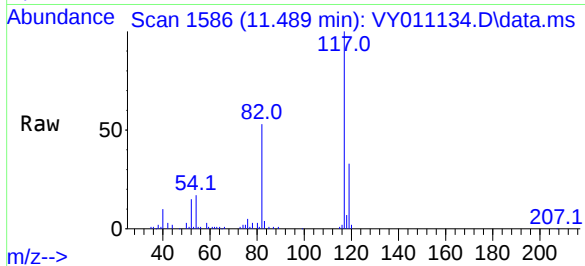




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY011134.D
Acq: 27 Oct 2022 13:26

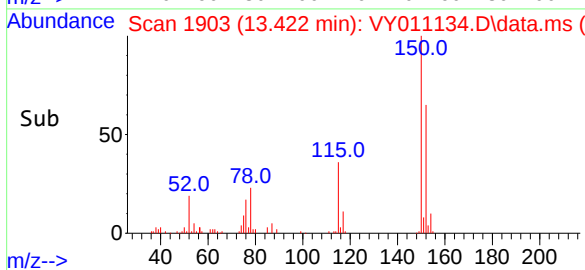
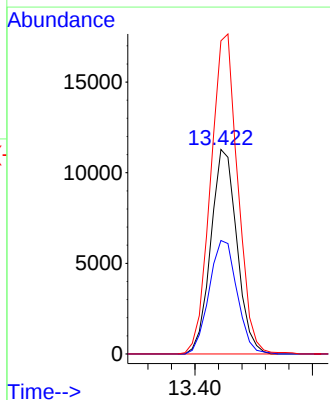
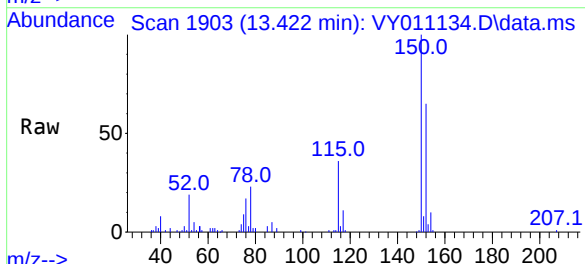
Instrument :
MSVOA_Y
ClientSampleId :
SB-2RE

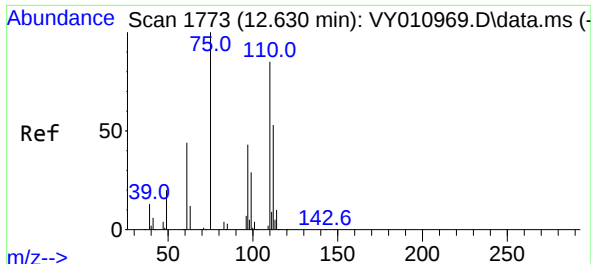
Tgt Ion:117 Resp: 30071
Ion Ratio Lower Upper
117 100
82 53.2 43.0 64.4
119 32.8 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY011134.D
Acq: 27 Oct 2022 13:26

Tgt Ion:152 Resp: 17401
Ion Ratio Lower Upper
152 100
115 59.4 28.2 84.7
150 162.5 0.0 347.6

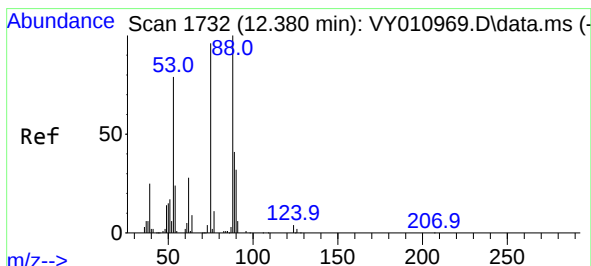
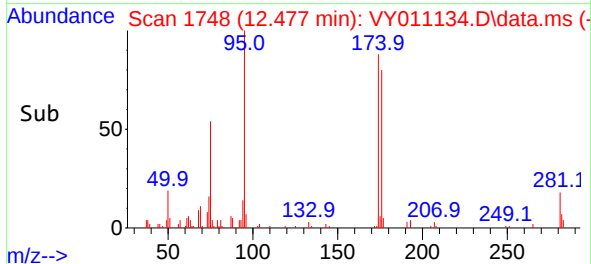
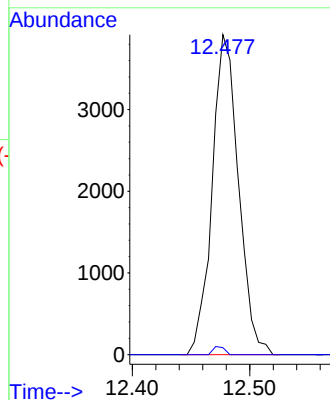
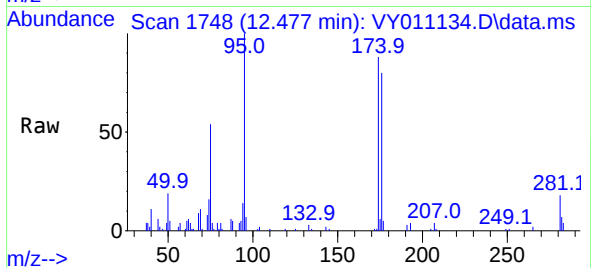




#76
1,2,3-Trichloropropane
Concen: 30.923 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY011134.D
Acq: 27 Oct 2022 13:26

Instrument :
MSVOA_Y
ClientSampleId :
SB-2RE

Tgt Ion: 75 Resp: 6109
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 66.506 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.097 min
Lab File: VY011134.D
Acq: 27 Oct 2022 13:26

Tgt Ion: 75 Resp: 6109
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#

