

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102622\
 Data File : VY011125.D
 Acq On : 26 Oct 2022 18:36
 Operator : KP/MD
 Sample : N5265-02
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 72-11976

Quant Time: Oct 27 04:40:48 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)

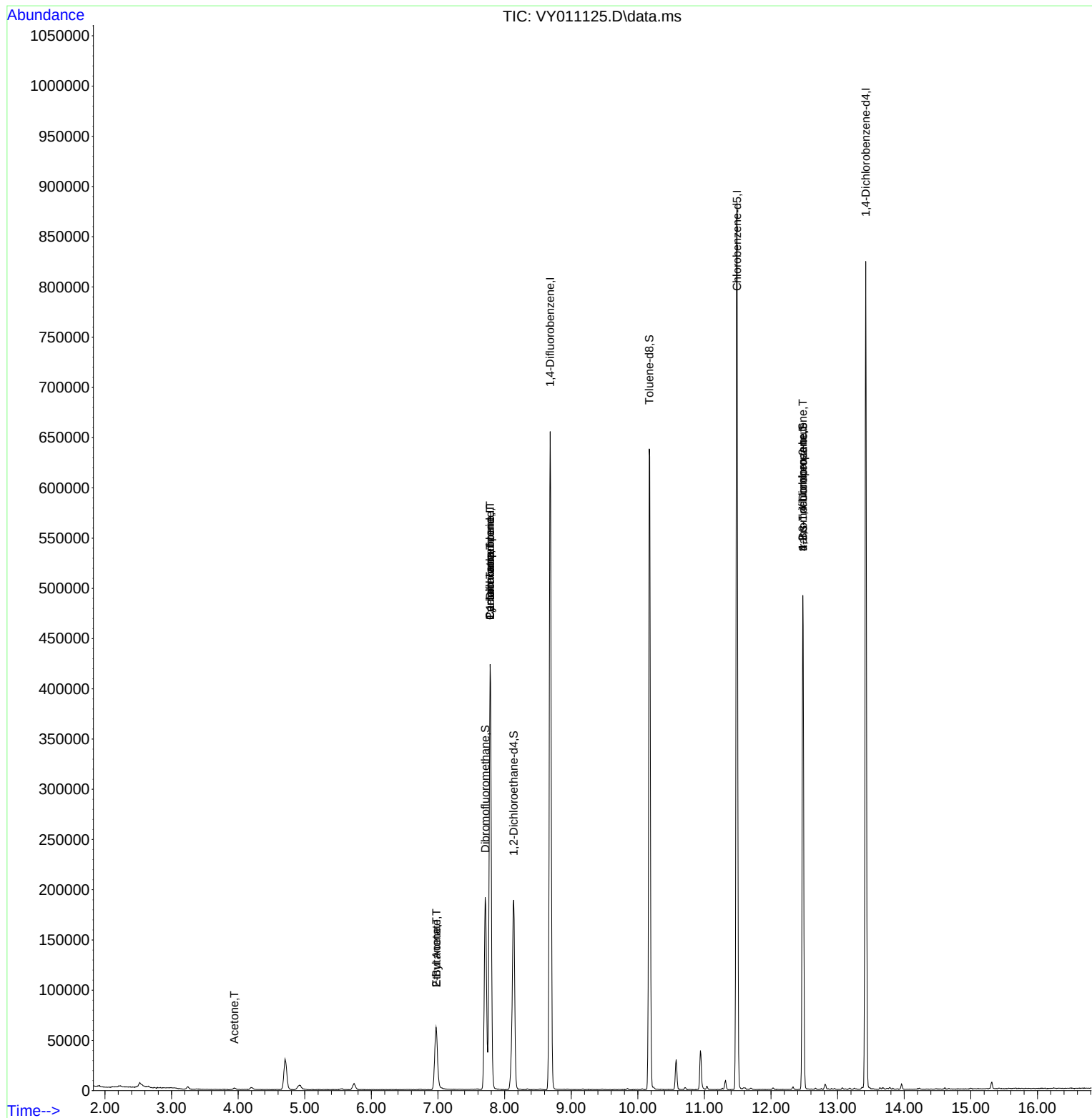
Internal Standards						
1) Pentafluorobenzene	7.783	168	330295	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	577290	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	497755	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	209174	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	135642	44.582	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	89.160%		
35) Dibromofluoromethane	7.710	113	139841	43.162	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	86.320%		
50) Toluene-d8	10.173	98	434303	36.030	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	72.060%		
62) 4-Bromofluorobenzene	12.477	95	151783	34.602	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	69.200%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.911	59	5149	Below Cal	#	77
16) Acetone	3.942	43	2798	3.167	ug/l #	85
18) Methyl Acetate	4.472	43	95	Below Cal	#	56
20) Methylene Chloride	4.704	84	23485	Below Cal	#	83
25) 2-Butanone	6.978	43	3757	2.804	ug/l	96
31) Cyclohexane	7.783	56	6313	1.084	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	26261	4.887	ug/l #	50
37) Ethyl Acetate	6.978	43	3757	1.263	ug/l #	1
38) Carbon Tetrachloride	7.783	117	33008	5.950	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	75524	31.802	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	75524	68.398	ug/l #	7

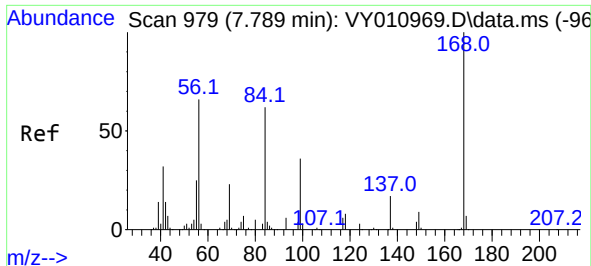
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Oct 18 01:42:42 2022
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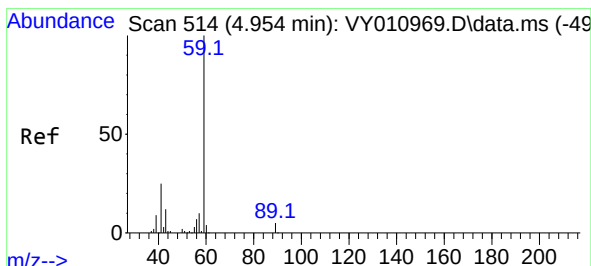
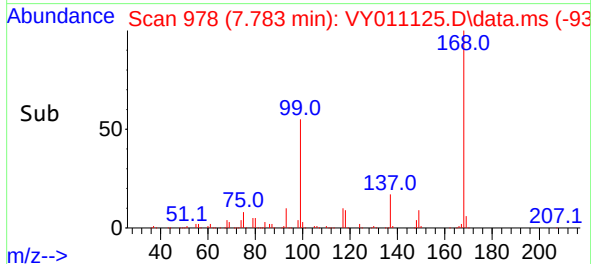
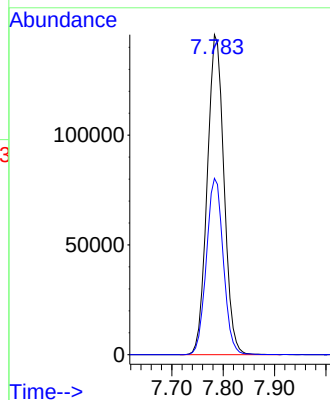
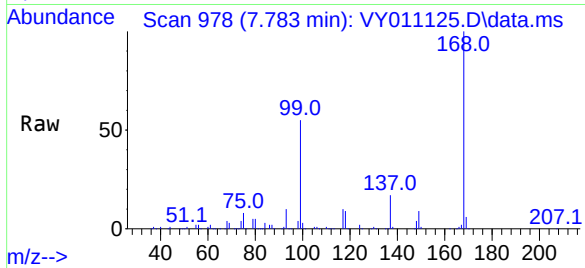




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY011125.D
Acq: 26 Oct 2022 18:36

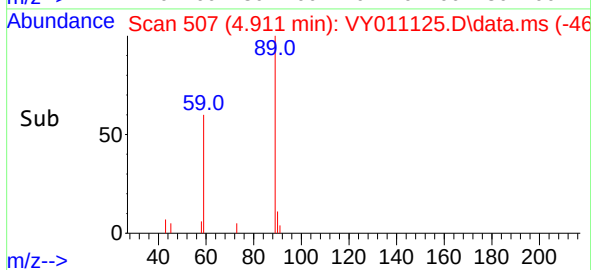
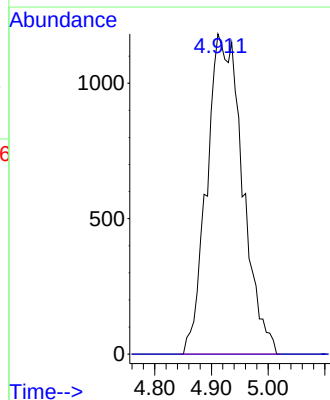
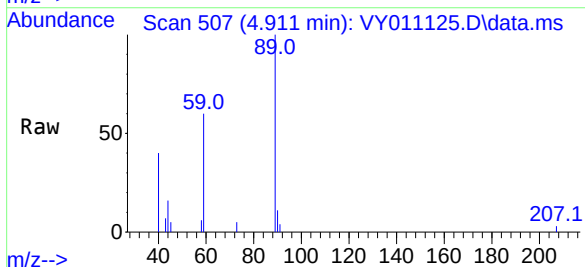
Instrument :
MSVOA_Y
ClientSampleId :
72-11976

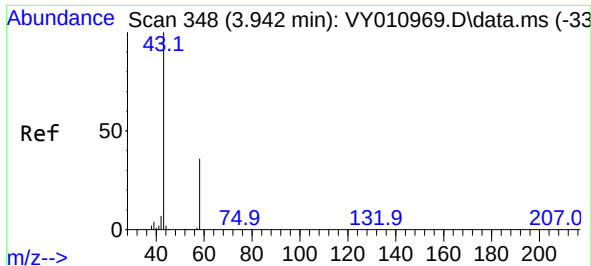
Tgt Ion:168 Resp: 330295
Ion Ratio Lower Upper
168 100
99 55.1 46.9 70.3



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.911 min Scan# 507
Delta R.T. -0.043 min
Lab File: VY011125.D
Acq: 26 Oct 2022 18:36

Tgt Ion: 59 Resp: 5149
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

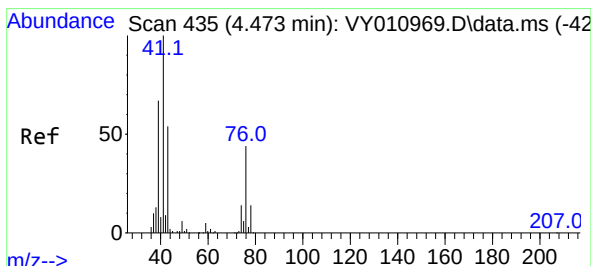
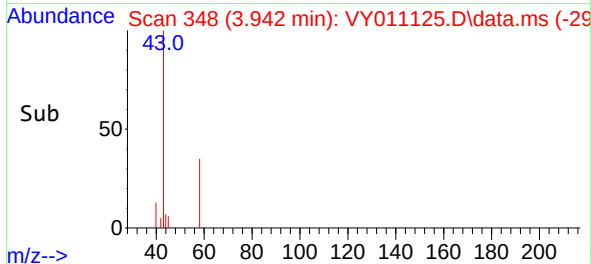
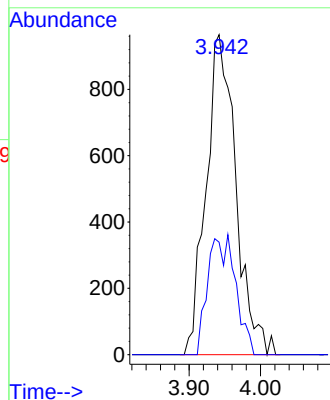
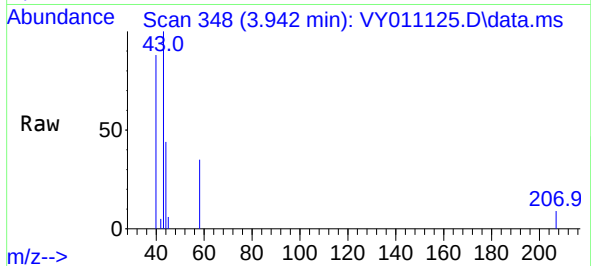




#16
Acetone
Concen: 3.167 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY011125.D
Acq: 26 Oct 2022 18:36

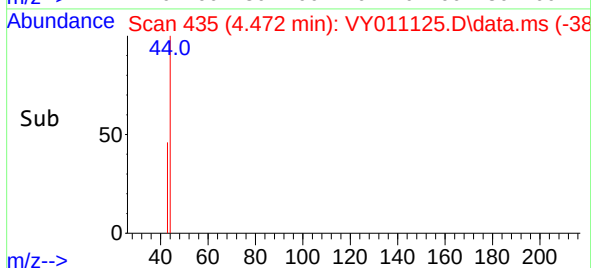
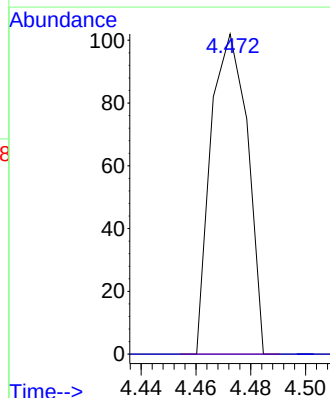
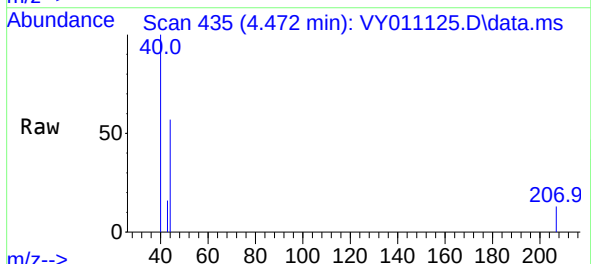
Instrument :
MSVOA_Y
ClientSampleId :
72-11976

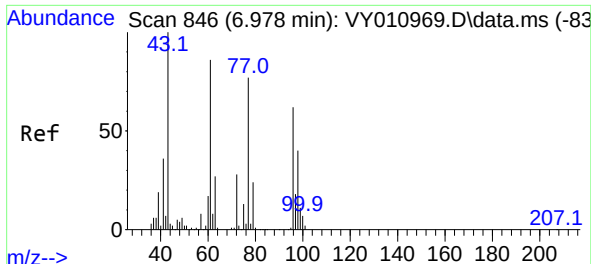
Tgt Ion: 43 Resp: 2798
Ion Ratio Lower Upper
43 100
58 35.1 22.0 33.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.472 min Scan# 435
Delta R.T. -0.001 min
Lab File: VY011125.D
Acq: 26 Oct 2022 18:36

Tgt Ion: 43 Resp: 95
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#

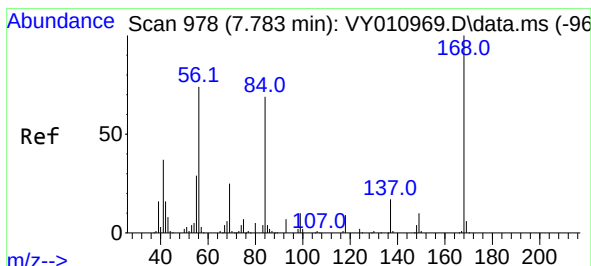
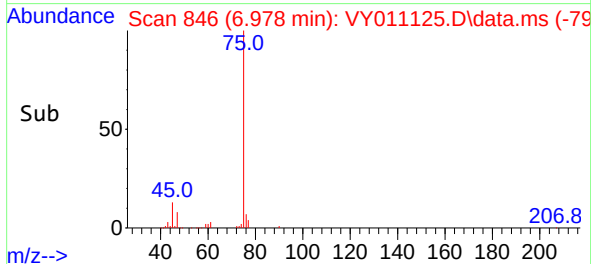
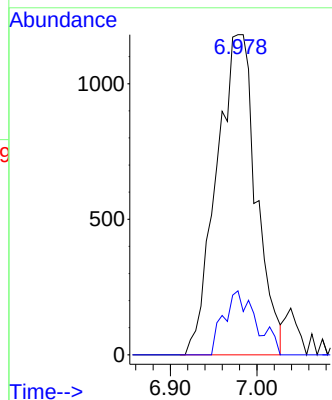
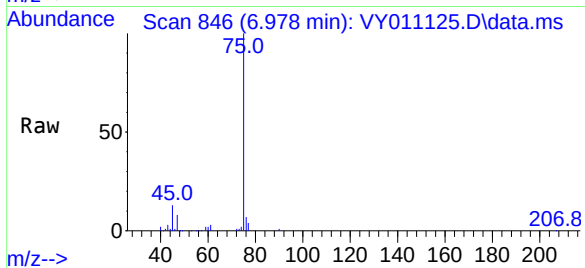




#25
2-Butanone
Concen: 2.804 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY011125.D
Acq: 26 Oct 2022 18:36

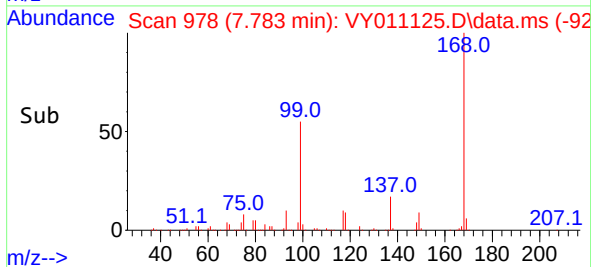
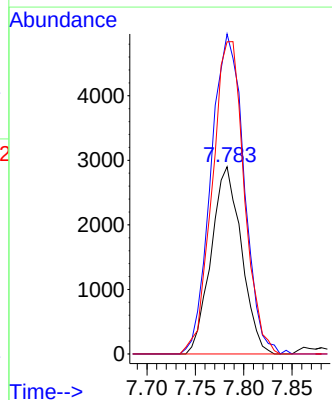
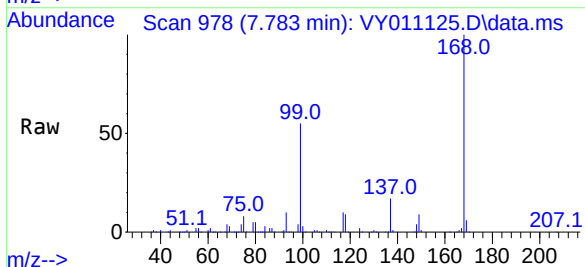
Instrument :
MSVOA_Y
ClientSampleId :
72-11976

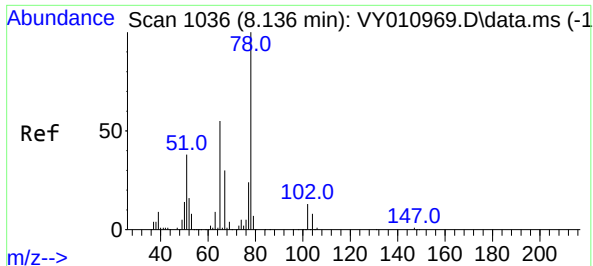
Tgt Ion: 43 Resp: 3757
Ion Ratio Lower Upper
43 100
72 20.0 17.7 26.5



#31
Cyclohexane
Concen: 1.084 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.000 min
Lab File: VY011125.D
Acq: 26 Oct 2022 18:36

Tgt Ion: 56 Resp: 6313
Ion Ratio Lower Upper
56 100
69 171.0 26.7 40.1#
84 166.8 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 44.582 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY011125.D

Acq: 26 Oct 2022 18:36

Instrument :

MSVOA_Y

ClientSampleId :

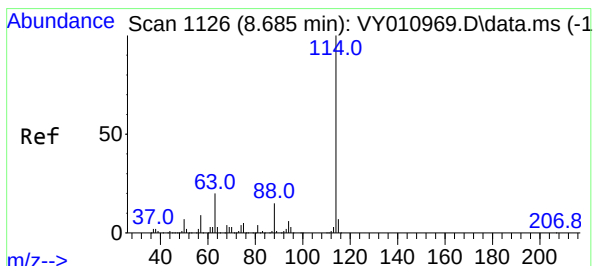
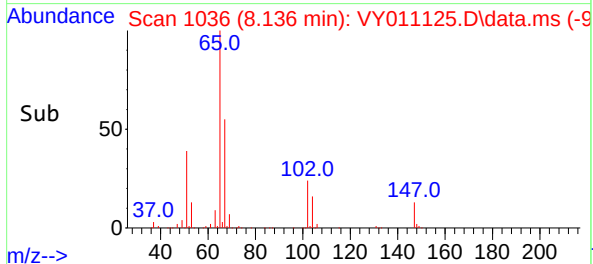
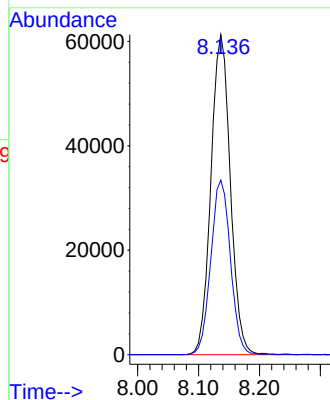
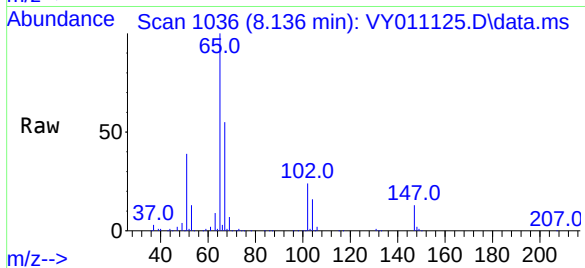
72-11976

Tgt Ion: 65 Resp: 135642

Ion Ratio Lower Upper

65 100

67 55.1 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: VY011125.D

Acq: 26 Oct 2022 18:36

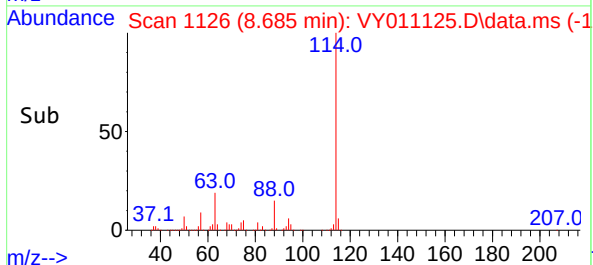
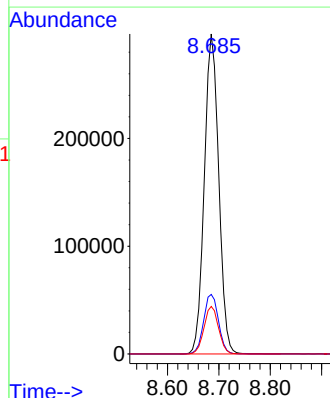
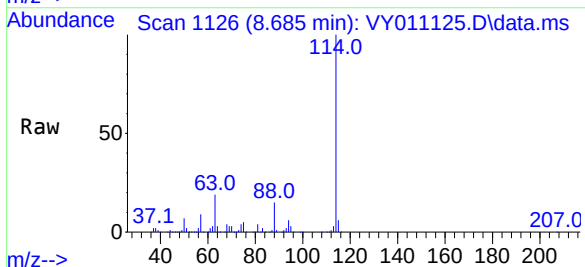
Tgt Ion: 114 Resp: 577290

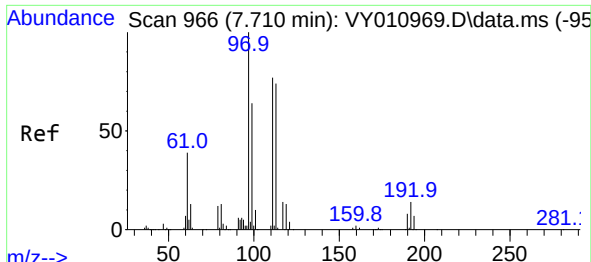
Ion Ratio Lower Upper

114 100

63 18.6 0.0 43.2

88 14.8 0.0 31.8

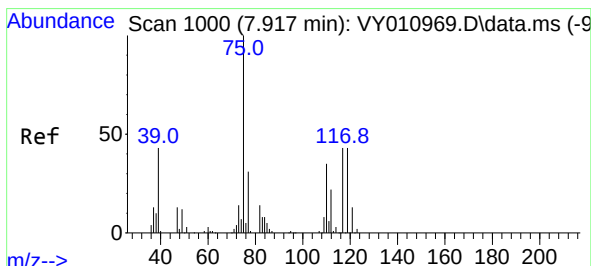
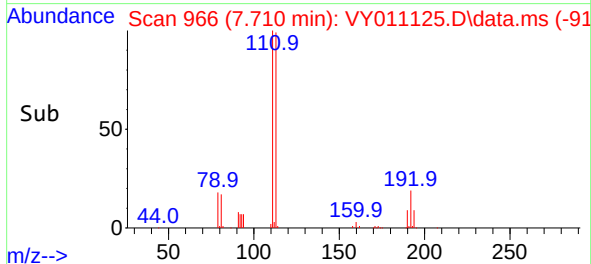
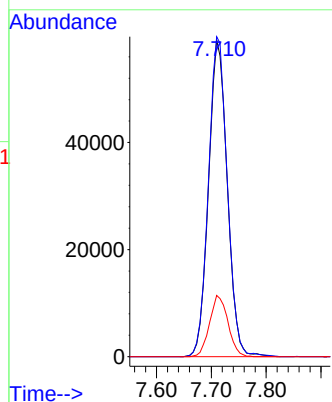
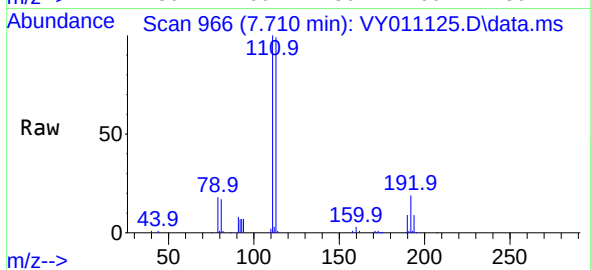




#35
Dibromofluoromethane
Concen: 43.162 ug/l
RT: 7.710 min Scan# 90
Delta R.T. -0.000 min
Lab File: VY011125.D
Acq: 26 Oct 2022 18:36

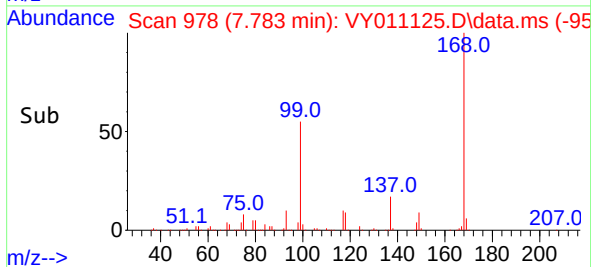
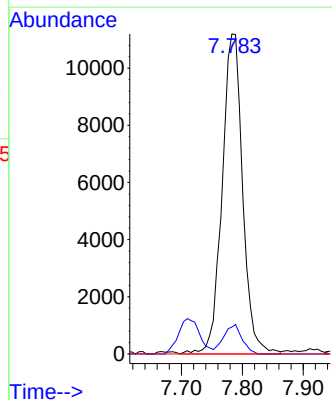
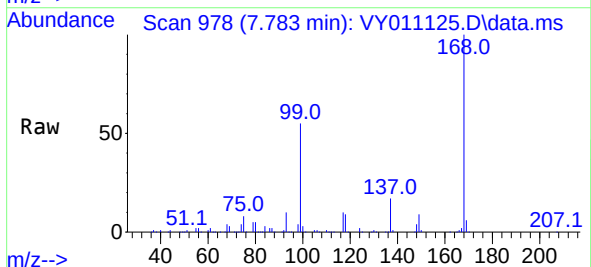
Instrument :
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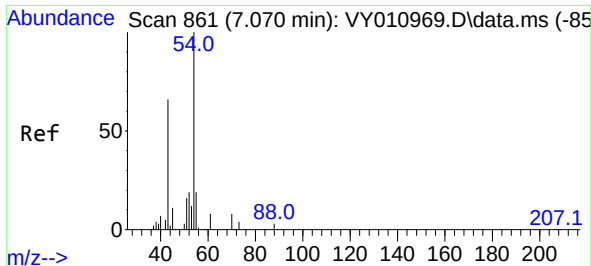
Tgt Ion:113 Resp: 139841
Ion Ratio Lower Upper
113 100
111 102.1 82.6 124.0
192 19.0 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.887 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY011125.D
Acq: 26 Oct 2022 18:36

Tgt Ion: 75 Resp: 26261
Ion Ratio Lower Upper
75 100
110 8.2 17.1 51.2#
77 0.0 24.4 36.6#

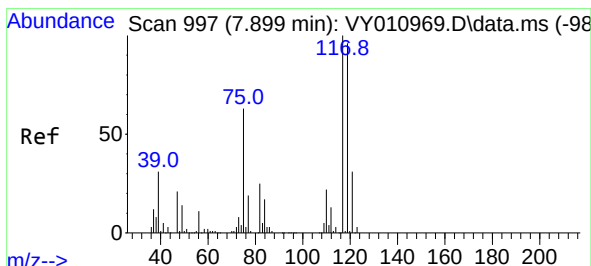
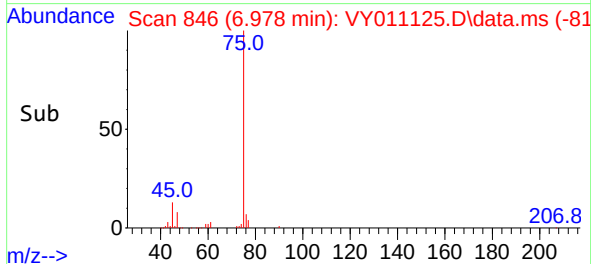
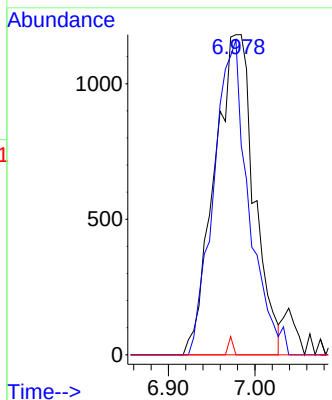
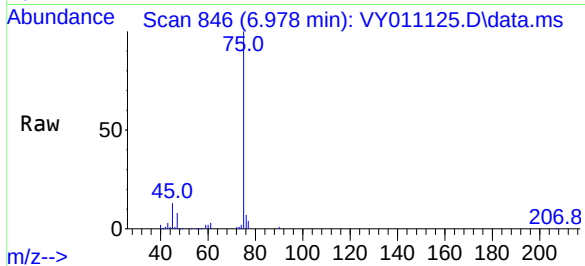




#37
Ethyl Acetate
Concen: 1.263 ug/l
RT: 6.978 min Scan# 84
Delta R.T. -0.092 min
Lab File: VY011125.D
Acq: 26 Oct 2022 18:36

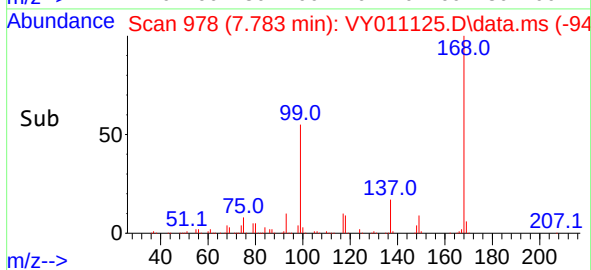
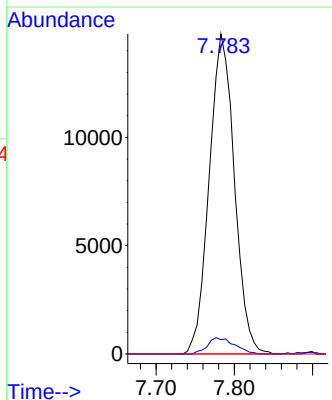
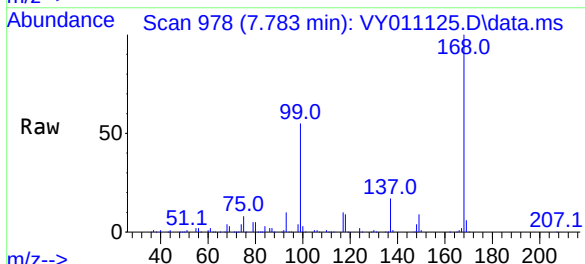
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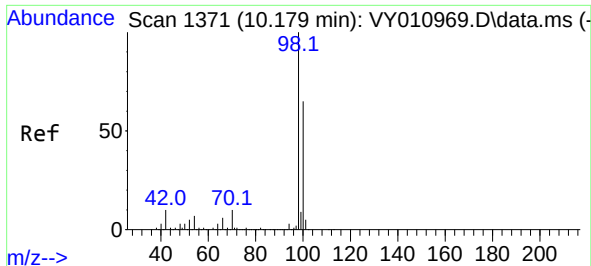
Tgt Ion: 43 Resp: 3757
Ion Ratio Lower Upper
43 100
61 86.5 9.7 14.5#
70 0.7 7.1 10.7#



#38
Carbon Tetrachloride
Concen: 5.950 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.116 min
Lab File: VY011125.D
Acq: 26 Oct 2022 18:36

Tgt Ion: 117 Resp: 33008
Ion Ratio Lower Upper
117 100
119 4.5 77.9 116.9#
121 0.0 24.8 37.2#

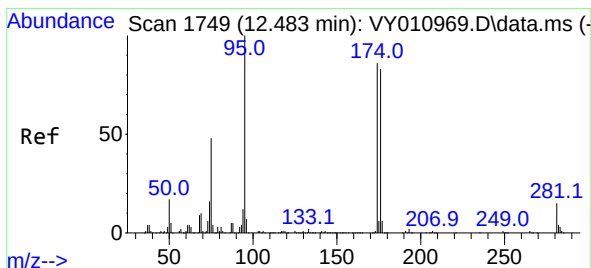
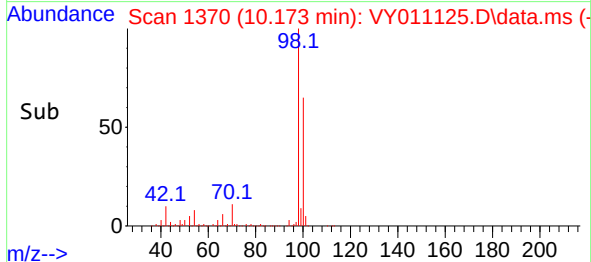
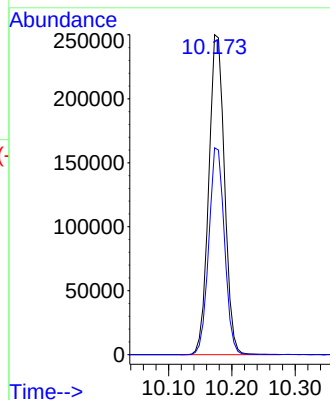
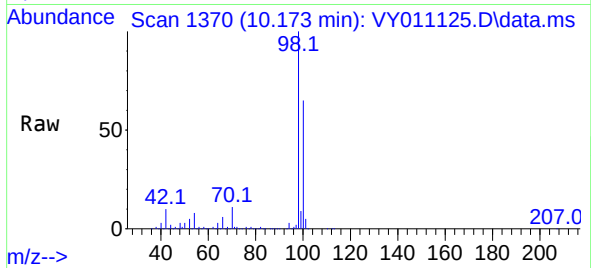




#50
Toluene-d8
Concen: 36.030 ug/l
RT: 10.173 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY011125.D
Acq: 26 Oct 2022 18:36

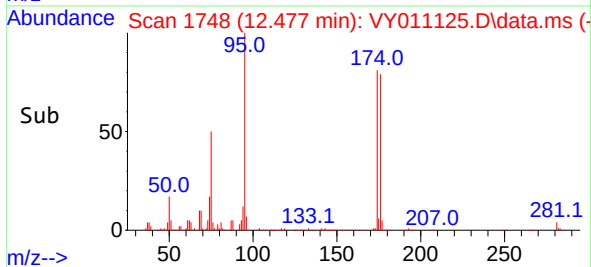
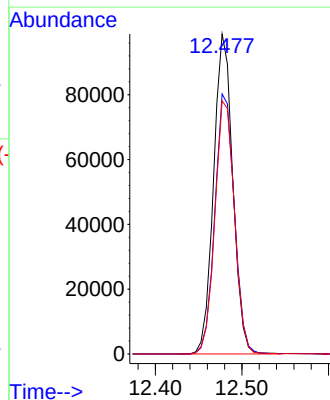
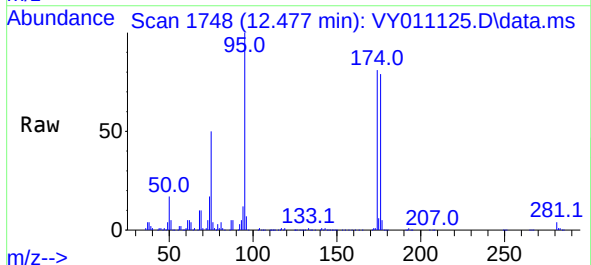
Instrument :
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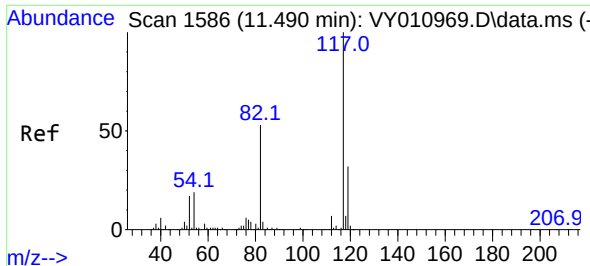
Tgt Ion: 98 Resp: 434303
Ion Ratio Lower Upper
98 100
100 64.3 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 34.602 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY011125.D
Acq: 26 Oct 2022 18:36

Tgt Ion: 95 Resp: 151783
Ion Ratio Lower Upper
95 100
174 82.9 0.0 177.0
176 80.6 0.0 175.8

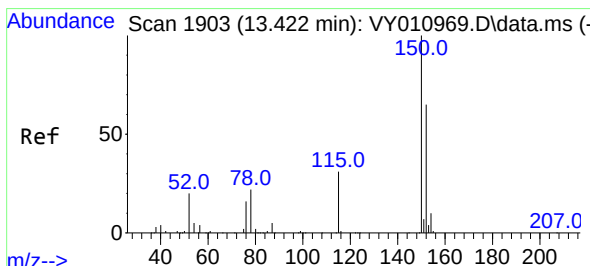
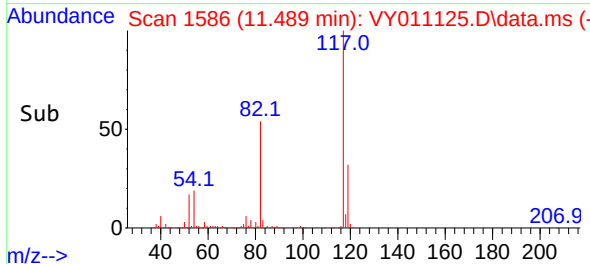
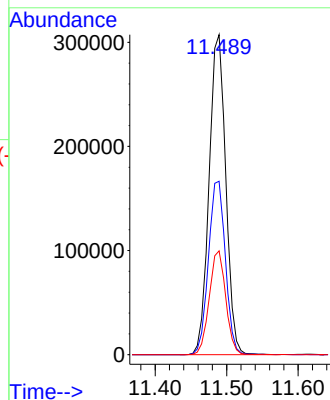
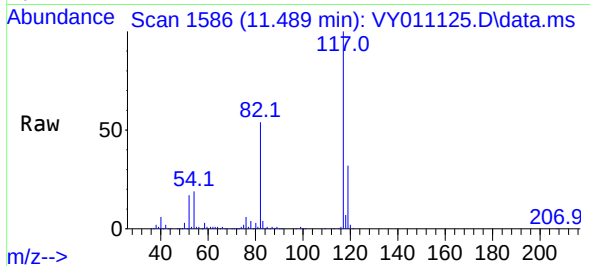




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY011125.D
Acq: 26 Oct 2022 18:36

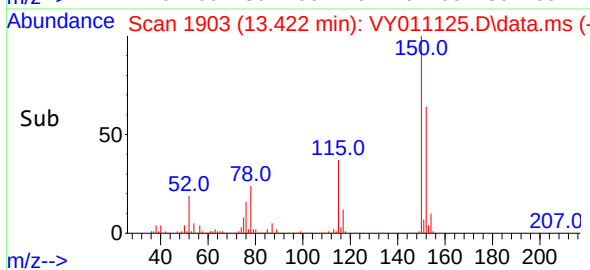
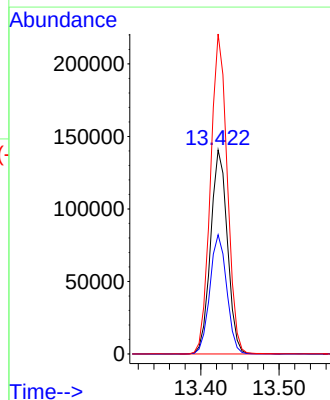
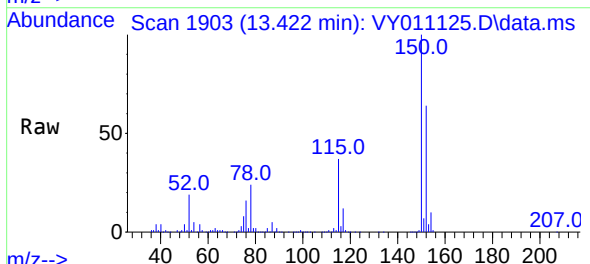
Instrument :
MSVOA_Y
ClientSampleId :
72-11976

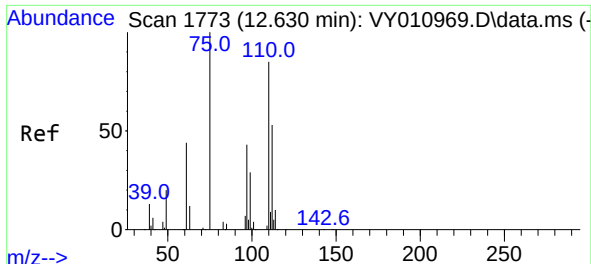
Tgt Ion:117 Resp: 497755
Ion Ratio Lower Upper
117 100
82 54.2 43.0 64.4
119 32.4 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY011125.D
Acq: 26 Oct 2022 18:36

Tgt Ion:152 Resp: 209174
Ion Ratio Lower Upper
152 100
115 58.7 28.2 84.7
150 157.1 0.0 347.6

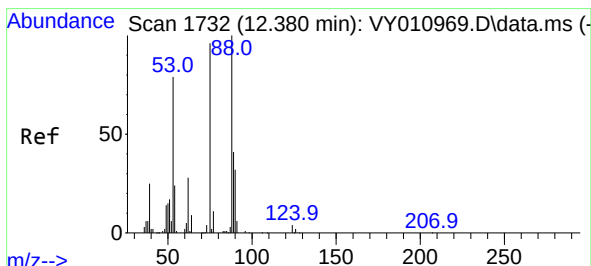
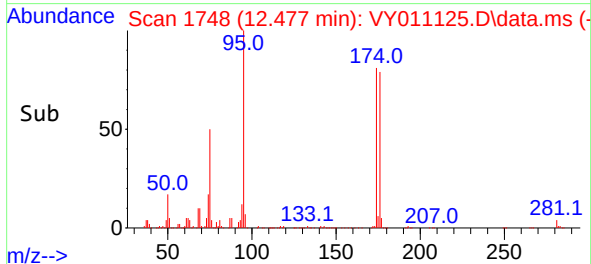
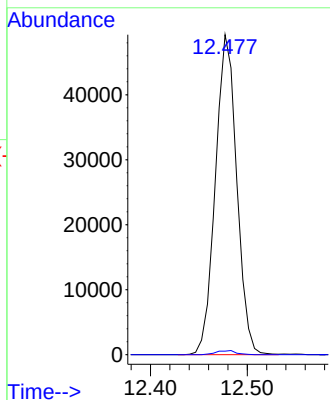
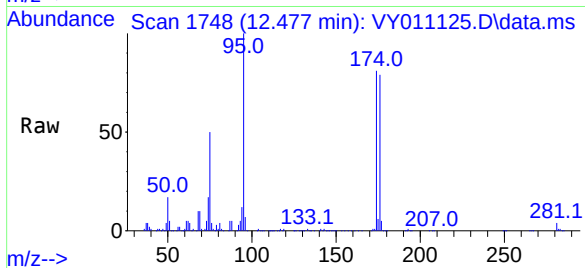




#76
1,2,3-Trichloropropane
Concen: 31.802 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY011125.D
Acq: 26 Oct 2022 18:36

Instrument :
MSVOA_Y
ClientSampleId :
72-11976

Tgt Ion: 75 Resp: 75524
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 68.398 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.097 min
Lab File: VY011125.D
Acq: 26 Oct 2022 18:36

Tgt Ion: 75 Resp: 75524
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#

