

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102722\
 Data File : VY011141.D
 Acq On : 27 Oct 2022 16:04
 Operator : KP/MD
 Sample : N5281-11RE
 Misc : 4.77g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-5D

Quant Time: Oct 28 00:47:29 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)

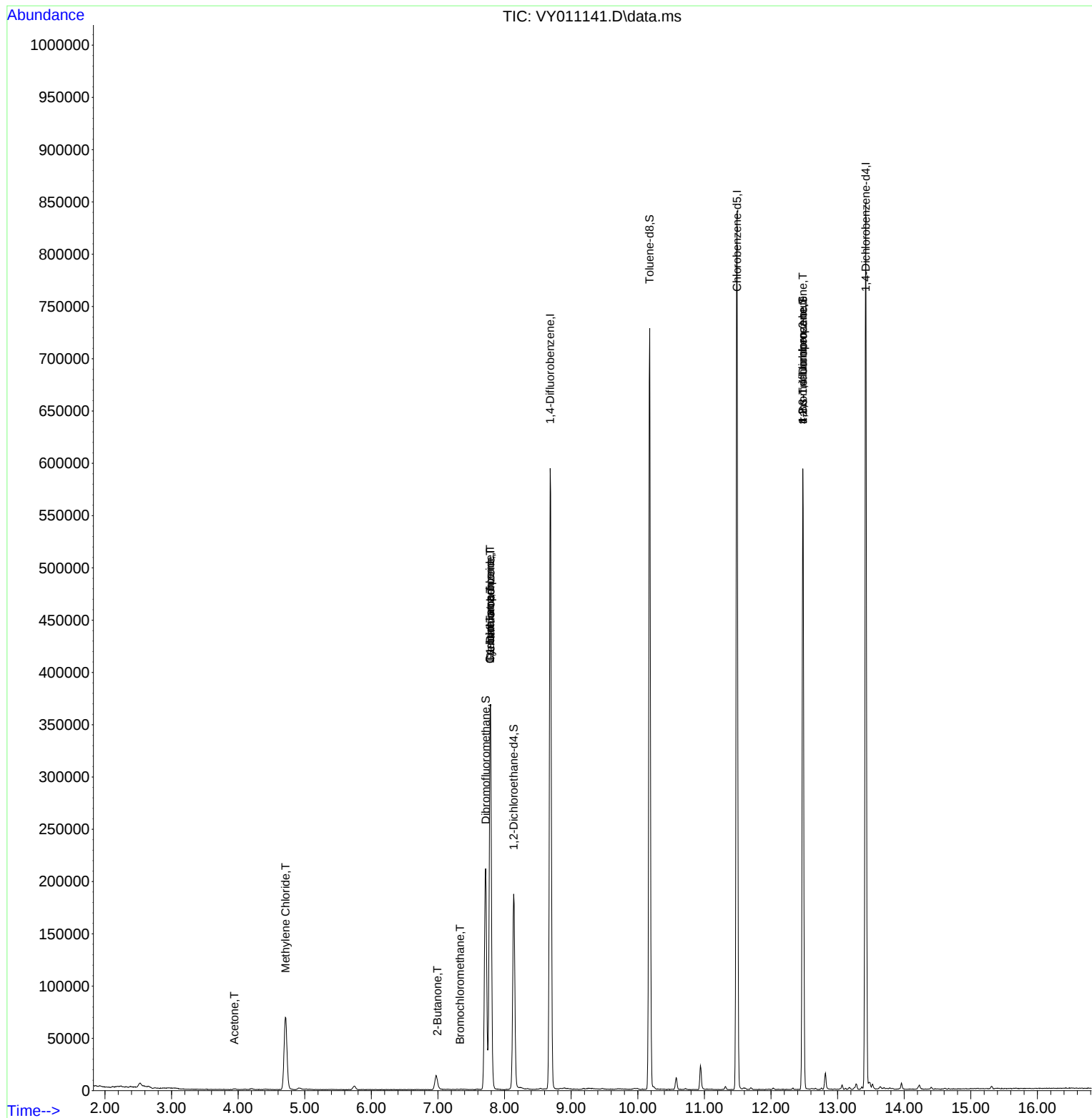
Internal Standards						
1) Pentafluorobenzene	7.789	168	289938	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	517687	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	467975	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	218800	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	144037	53.931	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.860%	
35) Dibromofluoromethane	7.716	113	153874	53.472	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.940%	
50) Toluene-d8	10.179	98	484241	44.799	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 89.600%	
62) 4-Bromofluorobenzene	12.477	95	185552	48.359	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 96.720%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.911	59	1992	Below Cal	#	77
16) Acetone	3.942	43	1356	1.748	ug/l #	86
18) Methyl Acetate	4.473	43	21	Below Cal	#	56
20) Methylene Chloride	4.710	84	55627	11.607	ug/l #	81
25) 2-Butanone	6.990	43	1888	1.605	ug/l #	90
28) Bromochloromethane	7.332	49	46	3.542	ug/l #	16
31) Cyclohexane	7.783	56	5644	1.104	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	22275	4.622	ug/l #	51
38) Carbon Tetrachloride	7.783	117	29006	5.831	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	92573	37.267	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	92573	80.150	ug/l #	7

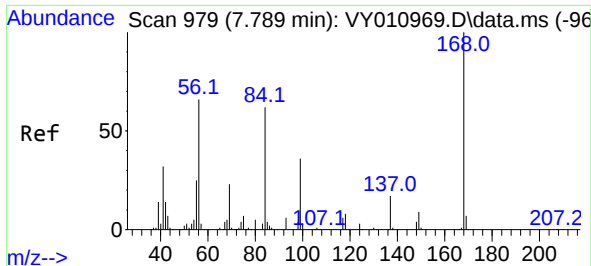
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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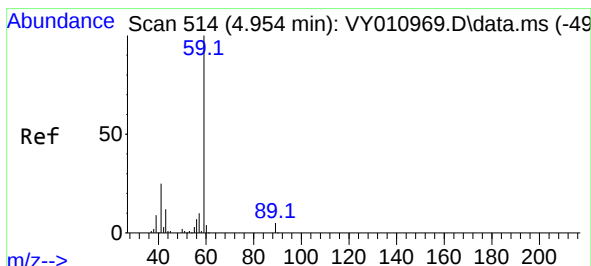
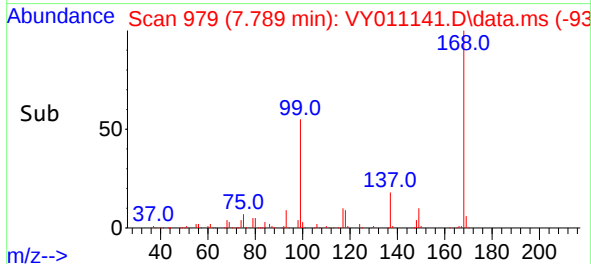
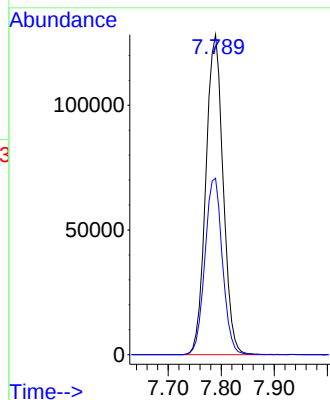
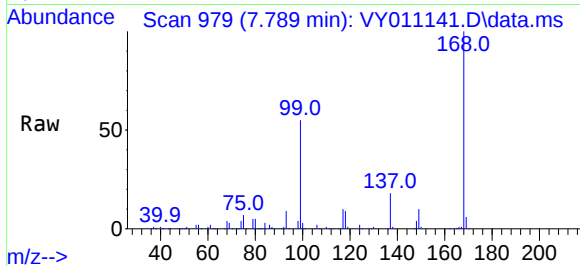




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY011141.D
Acq: 27 Oct 2022 16:04

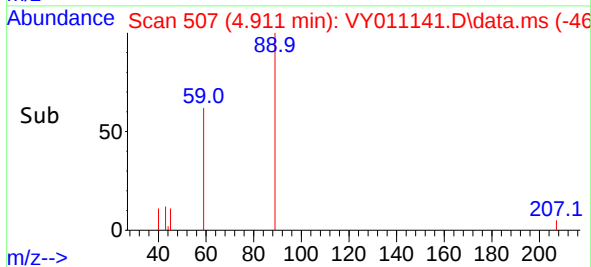
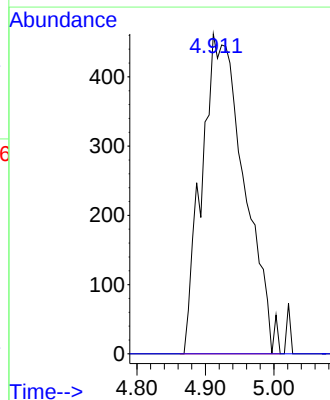
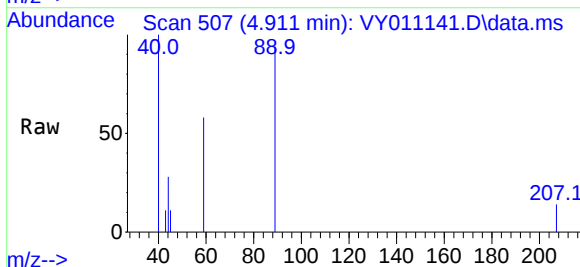
Instrument :
MSVOA_Y
ClientSampleId :
SB-5D

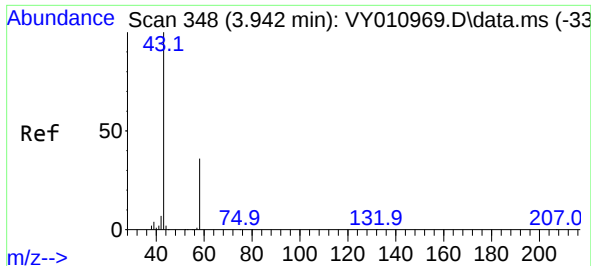
Tgt Ion:168 Resp: 289938
Ion Ratio Lower Upper
168 100
99 55.2 46.9 70.3



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.911 min Scan# 507
Delta R.T. -0.043 min
Lab File: VY011141.D
Acq: 27 Oct 2022 16:04

Tgt Ion: 59 Resp: 1992
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

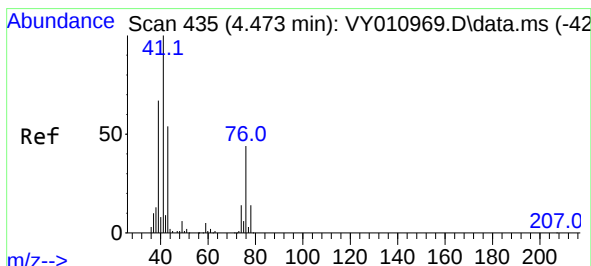
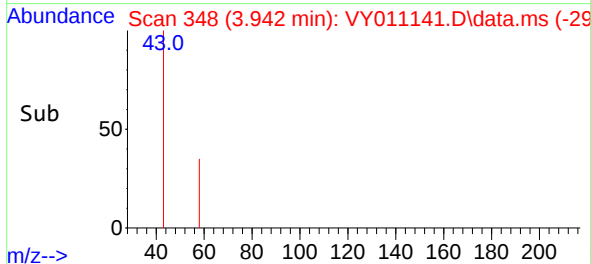
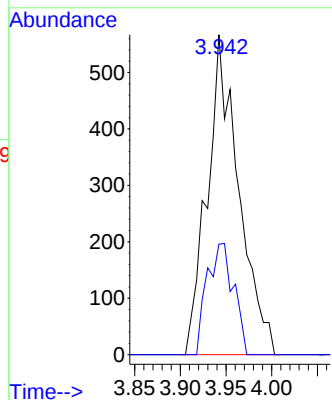
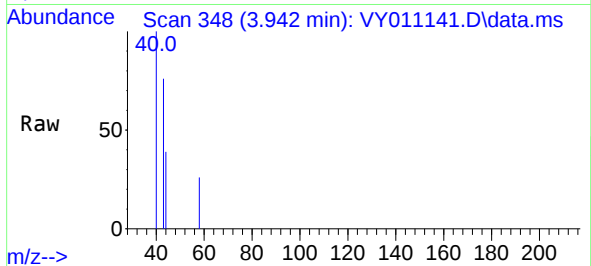




#16
Acetone
Concen: 1.748 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY011141.D
Acq: 27 Oct 2022 16:04

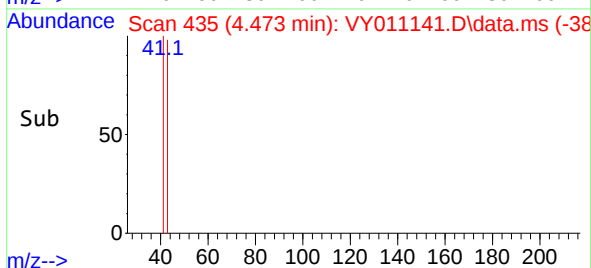
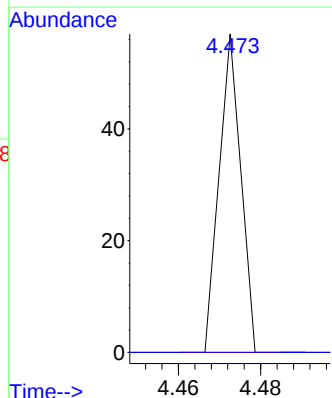
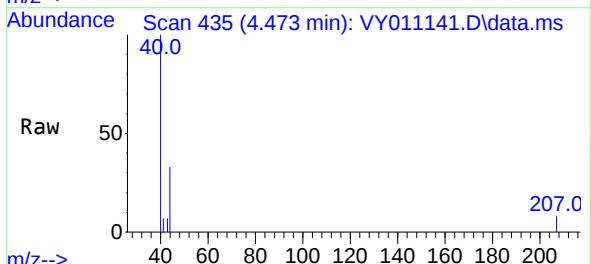
Instrument :
MSVOA_Y
ClientSampleId :
SB-5D

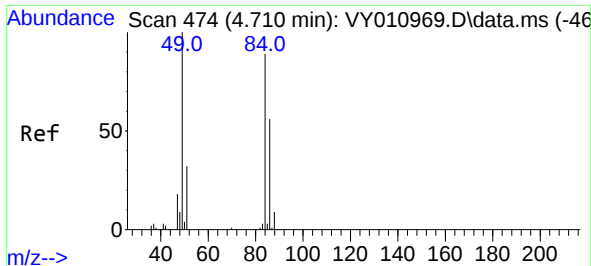
Tgt Ion: 43 Resp: 1356
Ion Ratio Lower Upper
43 100
58 34.6 22.0 33.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.473 min Scan# 435
Delta R.T. -0.000 min
Lab File: VY011141.D
Acq: 27 Oct 2022 16:04

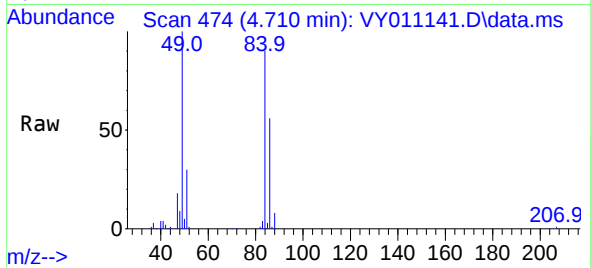
Tgt Ion: 43 Resp: 21
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



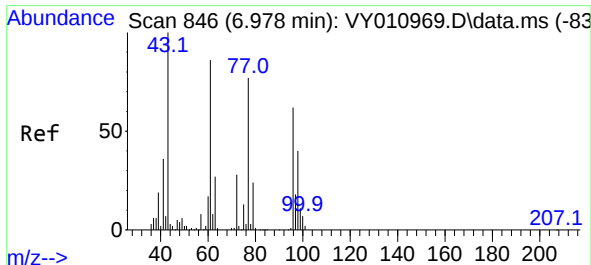
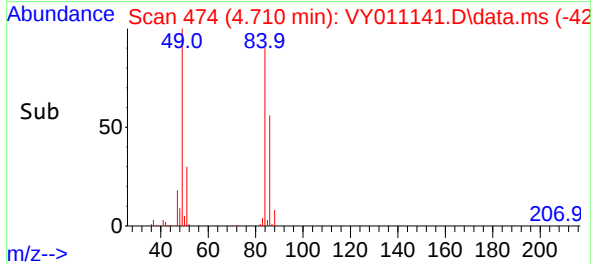
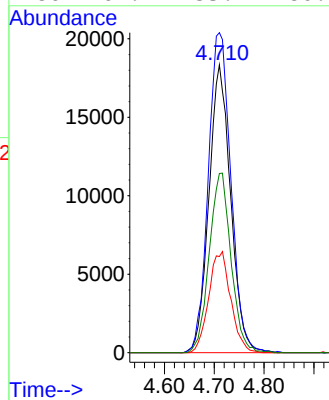


#20
Methylene Chloride
Concen: 11.607 ug/l
RT: 4.710 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY011141.D
Acq: 27 Oct 2022 16:04

Instrument :
MSVOA_Y
ClientSampleId :
SB-5D

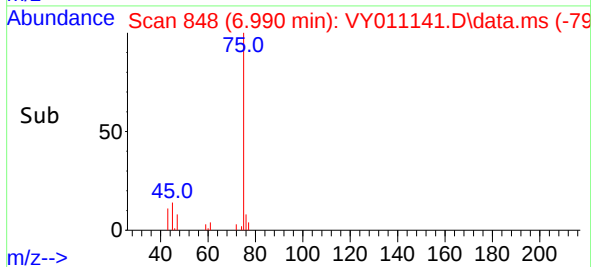
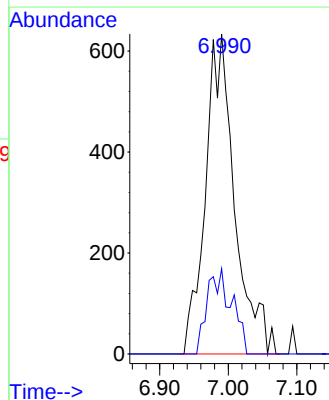
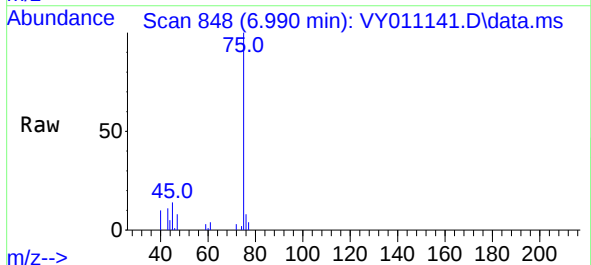


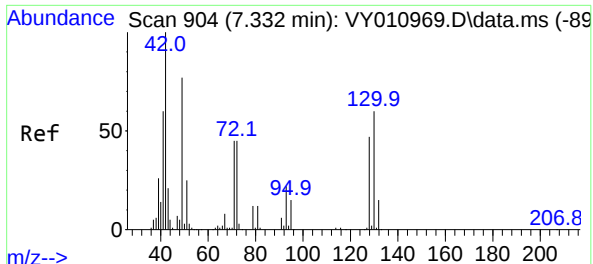
Tgt Ion: 84 Resp: 55627
Ion Ratio Lower Upper
84 100
49 111.2 114.4 171.6#
51 33.4 35.3 52.9#
86 62.2 53.7 80.5



#25
2-Butanone
Concen: 1.605 ug/l
RT: 6.990 min Scan# 848
Delta R.T. 0.012 min
Lab File: VY011141.D
Acq: 27 Oct 2022 16:04

Tgt Ion: 43 Resp: 1888
Ion Ratio Lower Upper
43 100
72 26.7 17.7 26.5#

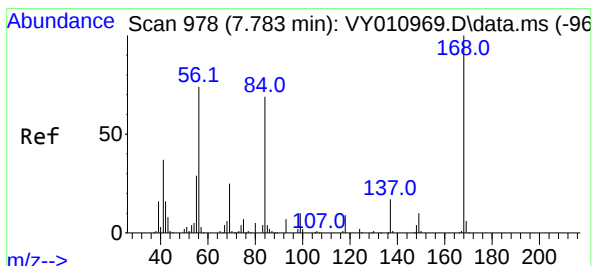
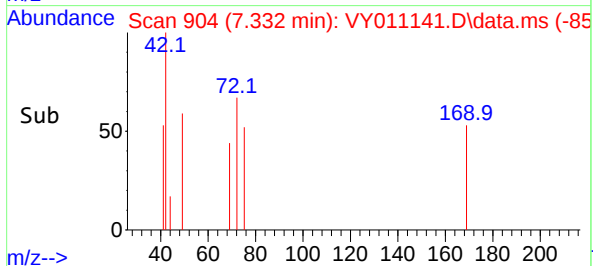
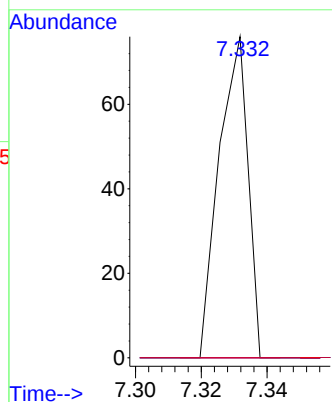
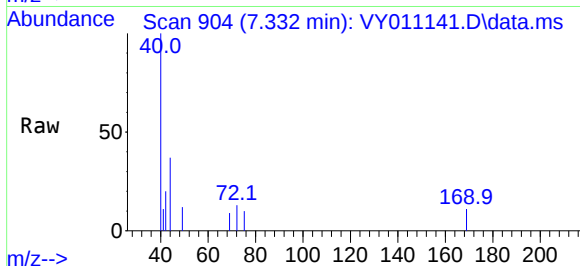




#28
Bromochloromethane
Concen: 3.542 ug/l
RT: 7.332 min Scan# 904
Delta R.T. -0.000 min
Lab File: VY011141.D
Acq: 27 Oct 2022 16:04

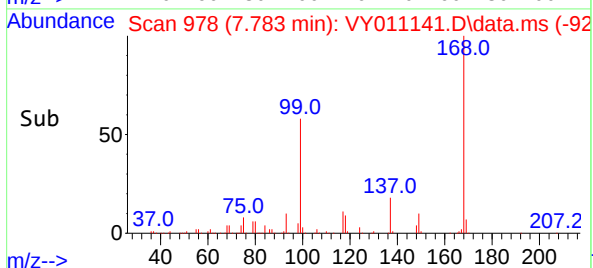
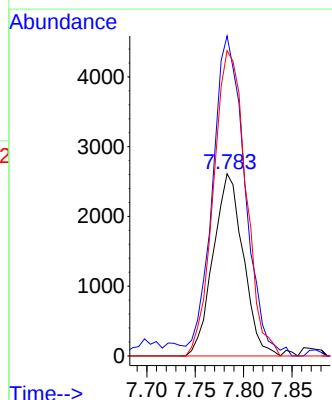
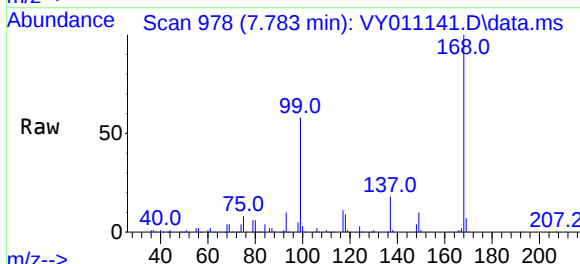
Instrument :
MSVOA_Y
ClientSampleId :
SB-5D

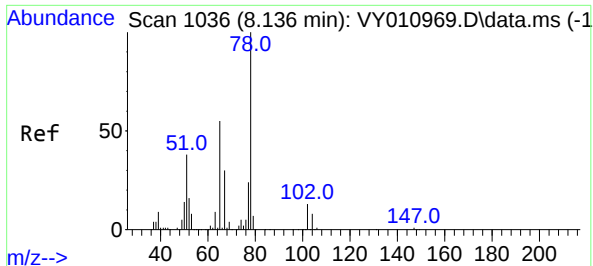
Tgt Ion: 49 Resp: 46
Ion Ratio Lower Upper
49 100
129 0.0 0.0 2.2
130 0.0 55.4 83.0#



#31
Cyclohexane
Concen: 1.104 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.000 min
Lab File: VY011141.D
Acq: 27 Oct 2022 16:04

Tgt Ion: 56 Resp: 5644
Ion Ratio Lower Upper
56 100
69 172.4 26.7 40.1#
84 167.5 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 53.931 ug/l

RT: 8.137 min Scan# 1

Delta R.T. 0.001 min

Lab File: VY011141.D

Acq: 27 Oct 2022 16:04

Instrument :

MSVOA_Y

ClientSampleId :

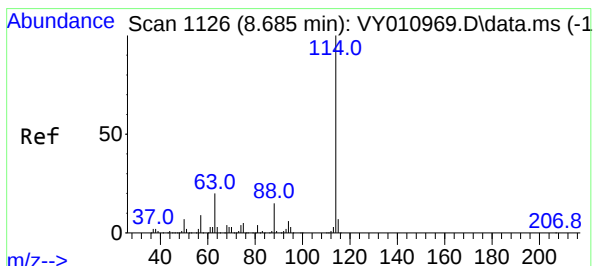
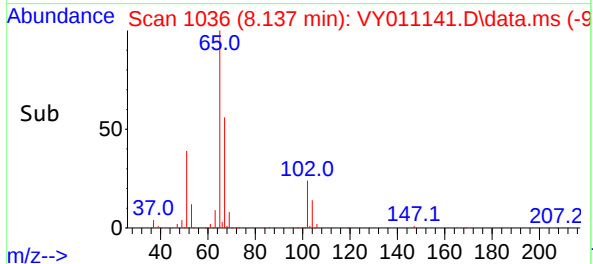
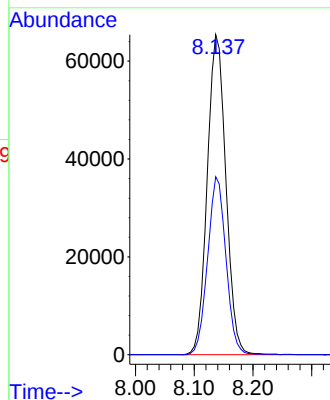
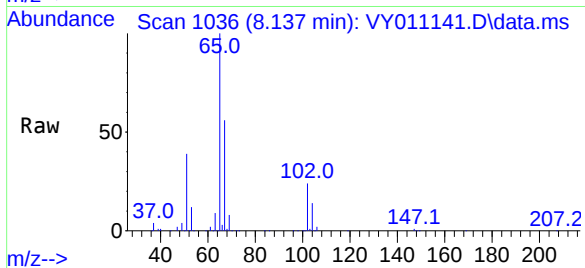
SB-5D

Tgt Ion: 65 Resp: 144037

Ion Ratio Lower Upper

65 100

67 54.6 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: VY011141.D

Acq: 27 Oct 2022 16:04

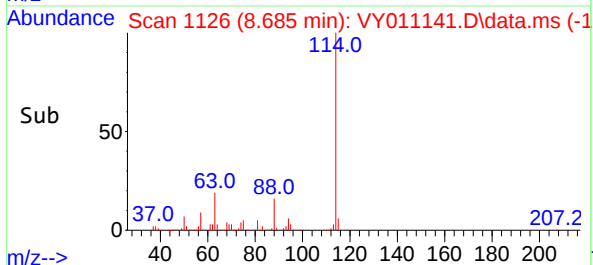
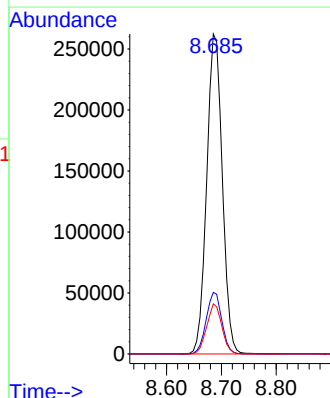
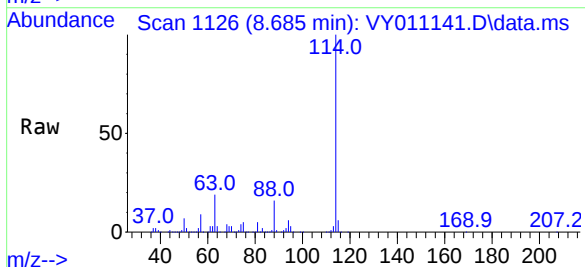
Tgt Ion: 114 Resp: 517687

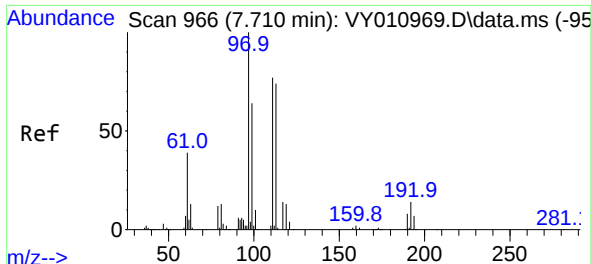
Ion Ratio Lower Upper

114 100

63 19.2 0.0 43.2

88 15.7 0.0 31.8

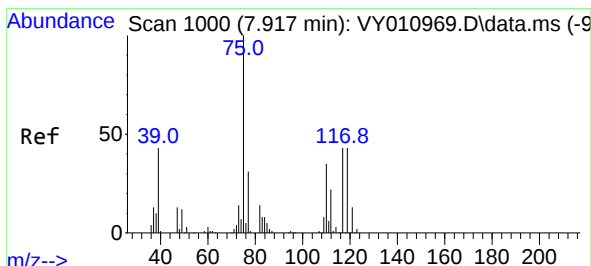
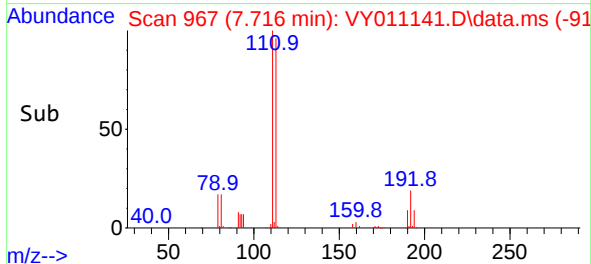
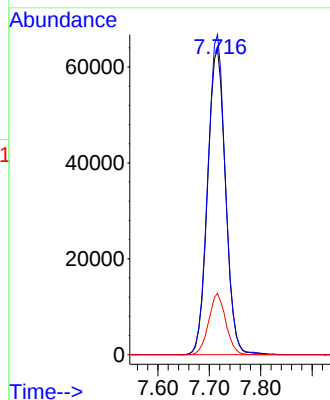
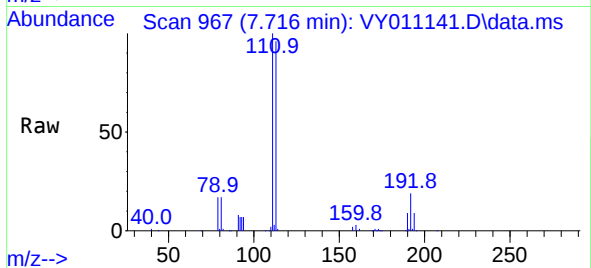




#35
Dibromofluoromethane
Concen: 53.472 ug/l
RT: 7.716 min Scan# 90
Delta R.T. 0.006 min
Lab File: VY011141.D
Acq: 27 Oct 2022 16:04

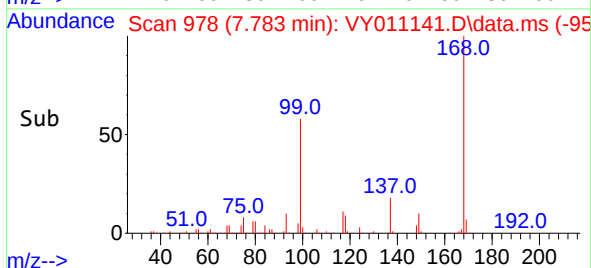
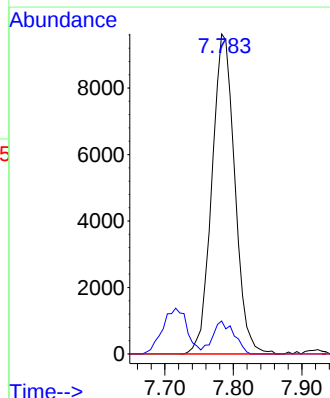
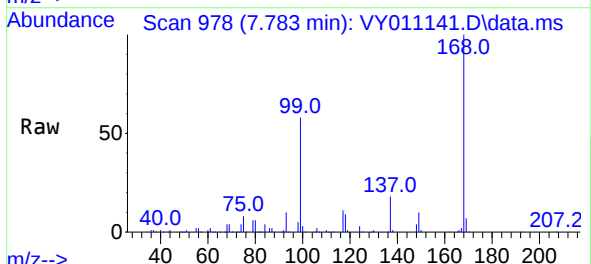
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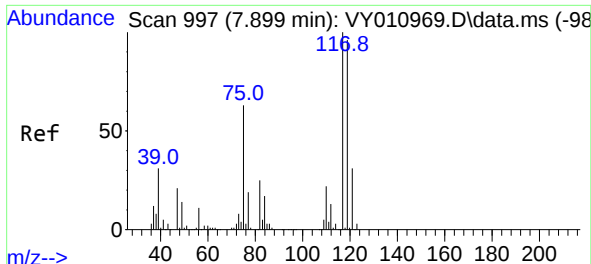
Tgt Ion:113 Resp: 153874
Ion Ratio Lower Upper
113 100
111 103.3 82.6 124.0
192 19.1 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.622 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY011141.D
Acq: 27 Oct 2022 16:04

Tgt Ion: 75 Resp: 22275
Ion Ratio Lower Upper
75 100
110 9.6 17.1 51.2#
77 0.0 24.4 36.6#

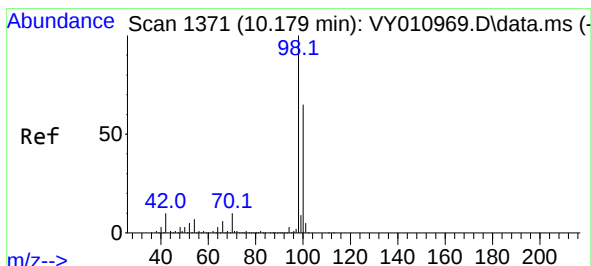
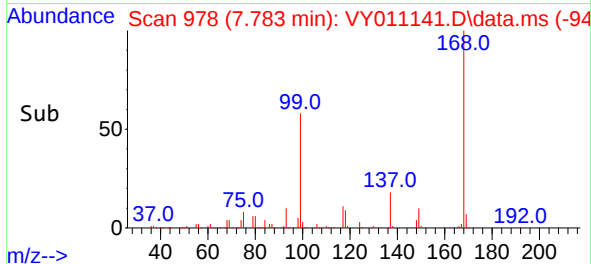
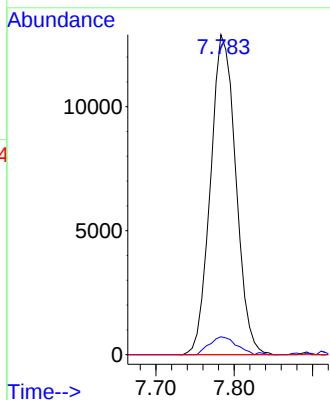
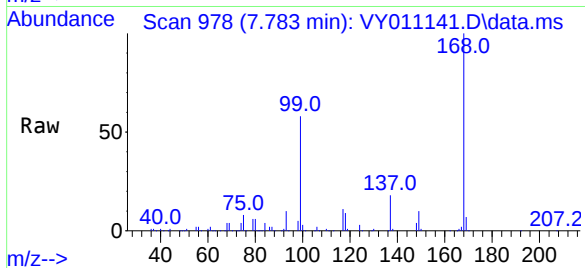




#38
Carbon Tetrachloride
Concen: 5.831 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY011141.D
Acq: 27 Oct 2022 16:04

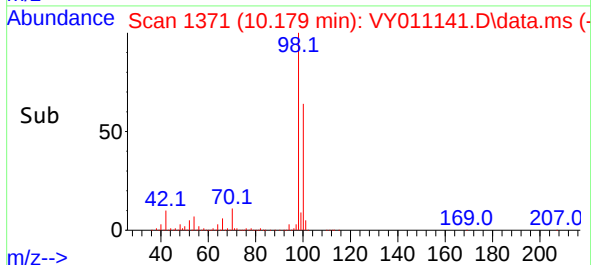
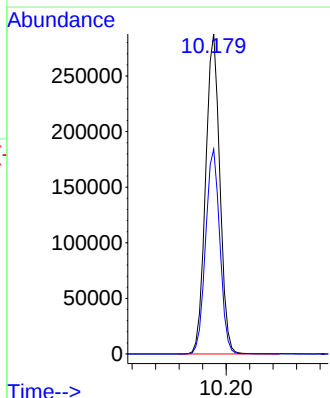
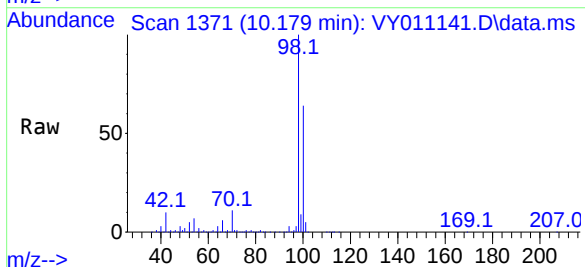
Instrument :
MSVOA_Y
ClientSampleId :
SB-5D

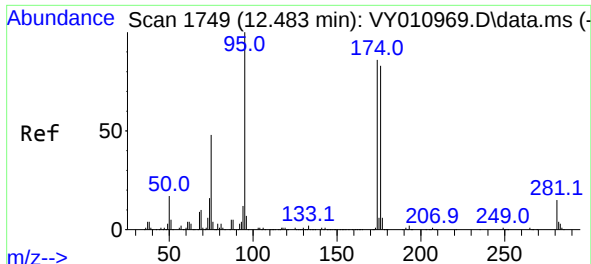
Tgt Ion:117 Resp: 29006
Ion Ratio Lower Upper
117 100
119 5.6 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 44.799 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011141.D
Acq: 27 Oct 2022 16:04

Tgt Ion: 98 Resp: 484241
Ion Ratio Lower Upper
98 100
100 64.1 50.2 75.2

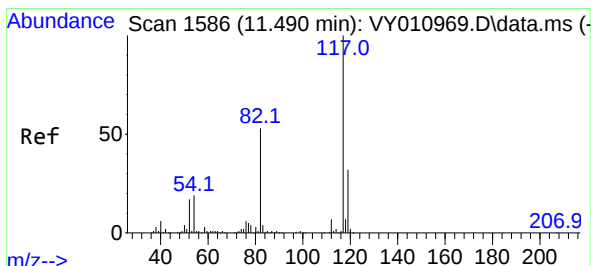
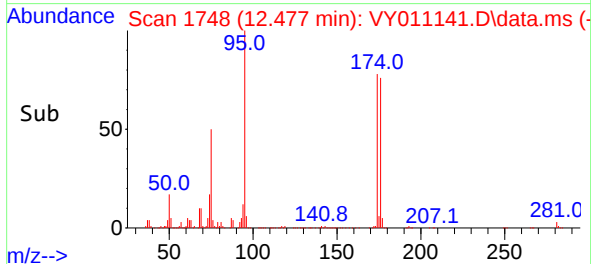
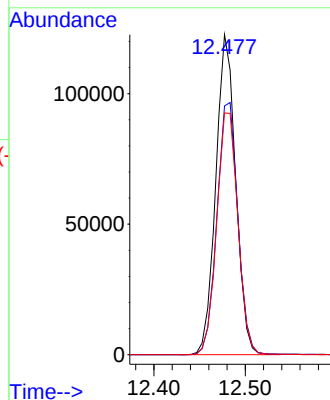
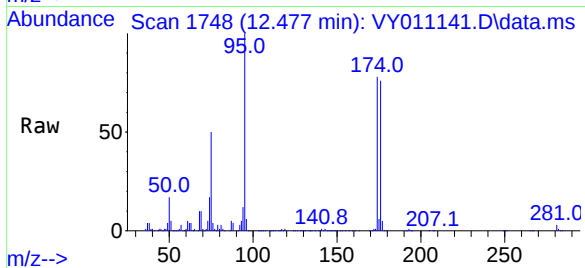




#62
4-Bromofluorobenzene
Concen: 48.359 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY011141.D
Acq: 27 Oct 2022 16:04

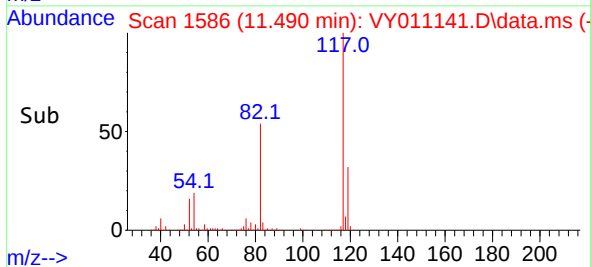
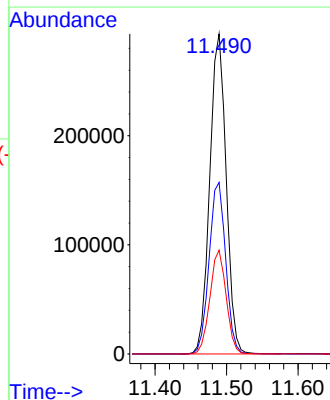
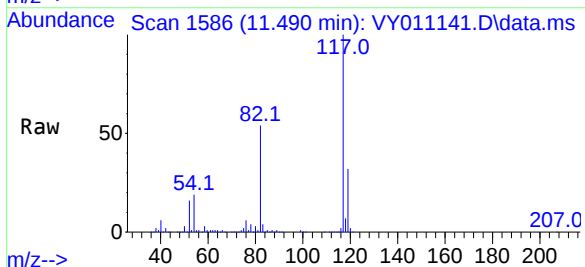
Instrument :
MSVOA_Y
ClientSampleId :
SB-5D

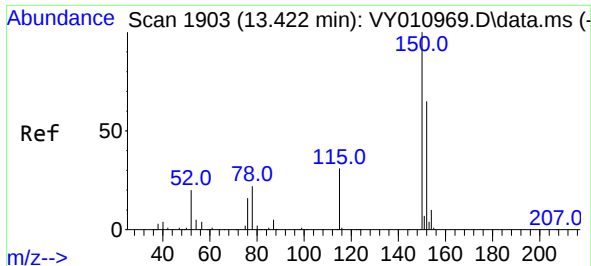
Tgt Ion: 95 Resp: 185552
Ion Ratio Lower Upper
95 100
174 82.9 0.0 177.0
176 80.4 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY011141.D
Acq: 27 Oct 2022 16:04

Tgt Ion: 117 Resp: 467975
Ion Ratio Lower Upper
117 100
82 53.6 43.0 64.4
119 32.4 25.4 38.0

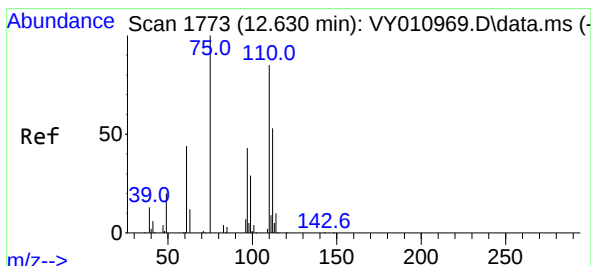
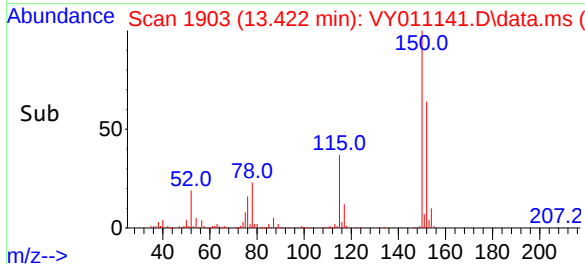
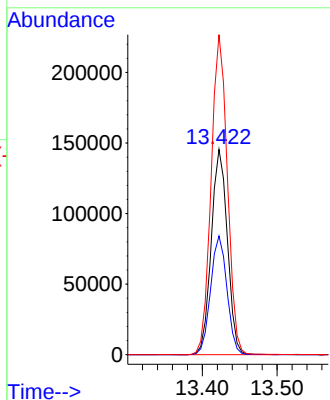
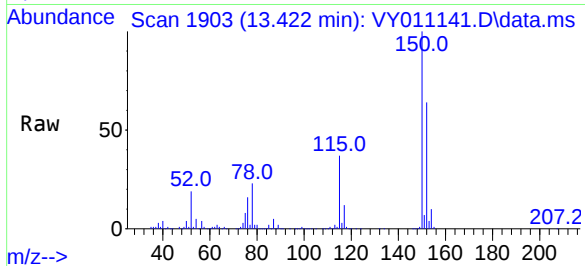




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY011141.D
Acq: 27 Oct 2022 16:04

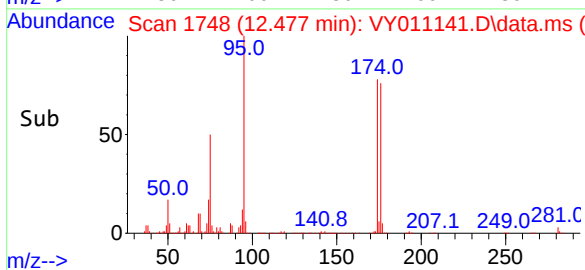
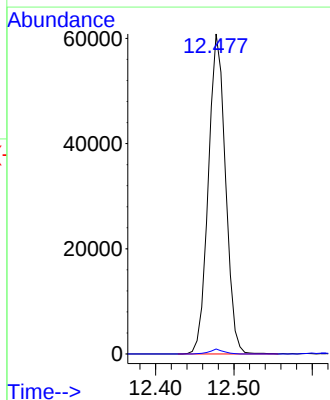
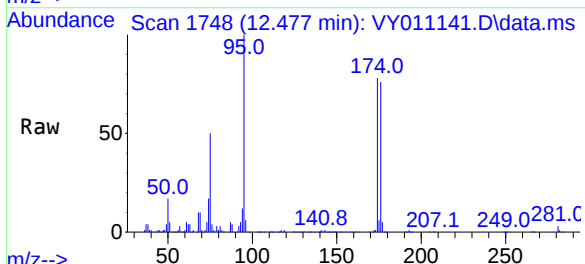
Instrument :
MSVOA_Y
ClientSampleId :
SB-5D

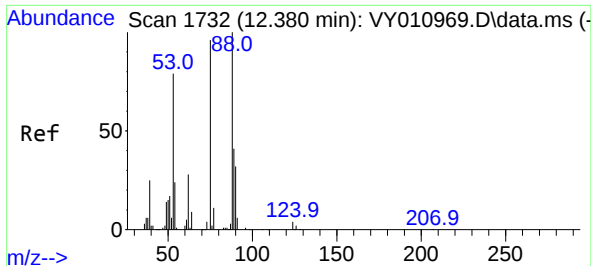
Tgt Ion:152 Resp: 218800
Ion Ratio Lower Upper
152 100
115 58.4 28.2 84.7
150 156.7 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 37.267 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY011141.D
Acq: 27 Oct 2022 16:04

Tgt Ion: 75 Resp: 92573
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 80.150 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY011141.D
 Acq: 27 Oct 2022 16:04

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-5D

Tgt Ion: 75 Resp: 92573
 Ion Ratio Lower Upper
 75 100
 53 0.1 85.3 127.9#
 89 0.0 37.0 55.4#

