

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102622\
 Data File : VY011120.D
 Acq On : 26 Oct 2022 16:43
 Operator : KP/MD
 Sample : N5281-09
 Misc : 5.20g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-9

Quant Time: Oct 27 04:39:58 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)

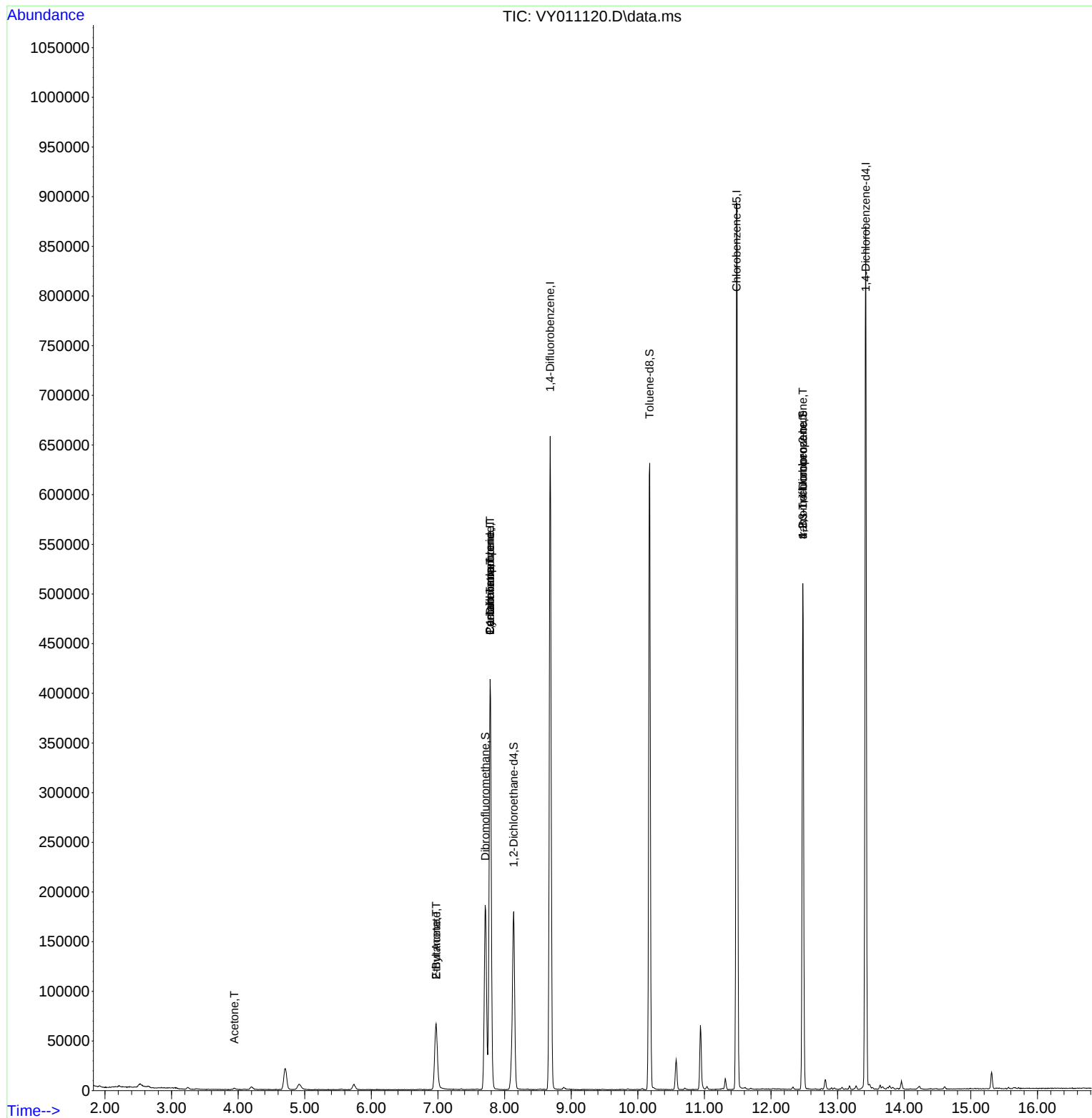
Internal Standards						
1) Pentafluorobenzene	7.783	168	318954	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	566657	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	502488	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	223112	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	126846	43.174	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	86.340%
35) Dibromofluoromethane	7.710	113	133987	42.077	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	84.160%
50) Toluene-d8	10.179	98	426666	36.061	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	72.120%
62) 4-Bromofluorobenzene	12.477	95	154003	35.877	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	71.760%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.918	59	6232	Below Cal	#	77
16) Acetone	3.942	43	2521	2.955	ug/l #	77
18) Methyl Acetate	4.277	43	58	Below Cal	#	56
20) Methylene Chloride	4.704	84	17336	Below Cal	#	82
25) 2-Butanone	6.972	43	3884	3.002	ug/l	96
31) Cyclohexane	7.783	56	6184	1.100	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	24534	4.651	ug/l #	50
37) Ethyl Acetate	6.972	43	3884	1.330	ug/l #	1
38) Carbon Tetrachloride	7.783	117	31583	5.800	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	76110	30.047	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	76110	64.623	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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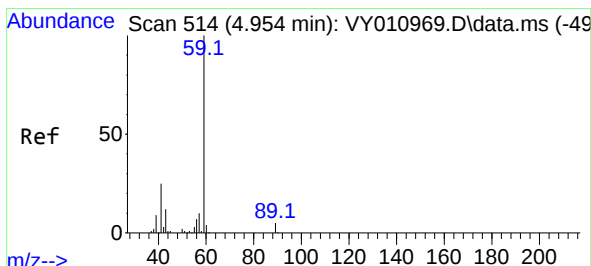
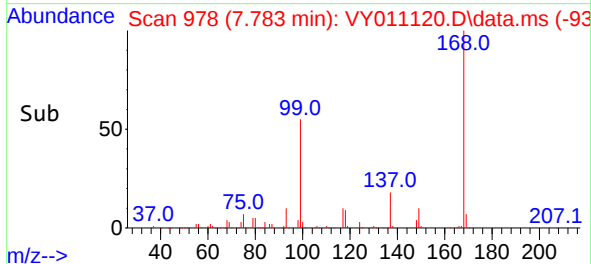
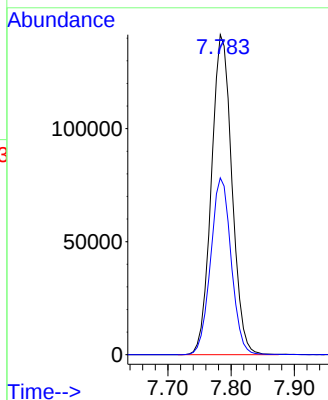
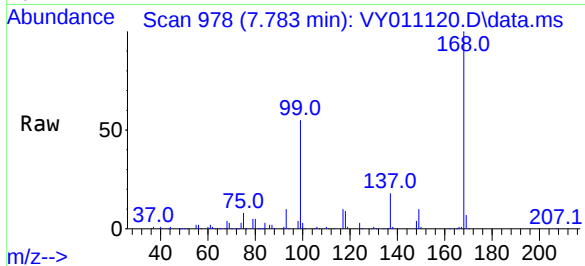




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY011120.D
Acq: 26 Oct 2022 16:43

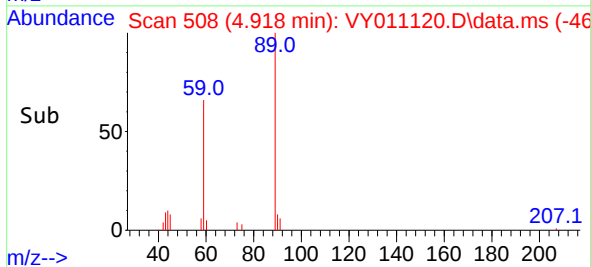
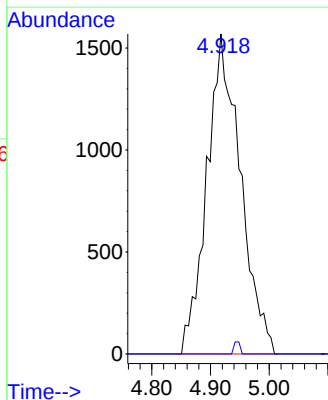
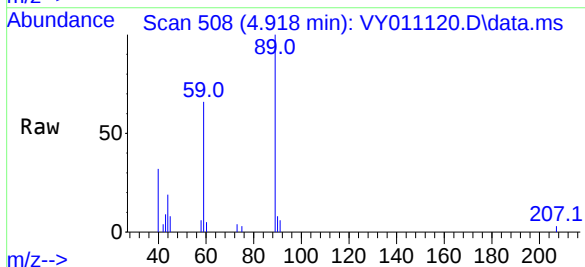
Instrument :
MSVOA_Y
ClientSampleId :
SB-9

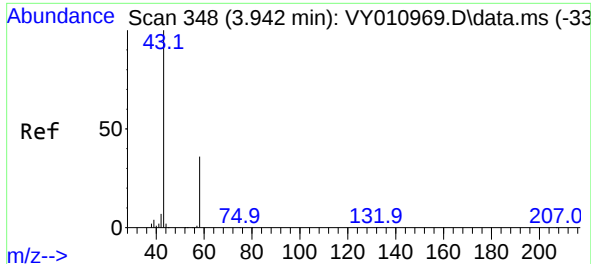
Tgt Ion:168 Resp: 318954
Ion Ratio Lower Upper
168 100
99 55.3 46.9 70.3



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.918 min Scan# 508
Delta R.T. -0.036 min
Lab File: VY011120.D
Acq: 26 Oct 2022 16:43

Tgt Ion: 59 Resp: 6232
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#





#16

Acetone

Concen: 2.955 ug/l

RT: 3.942 min Scan# 34

Delta R.T. 0.000 min

Lab File: VY011120.D

Acq: 26 Oct 2022 16:43

Instrument :

MSVOA_Y

ClientSampleId :

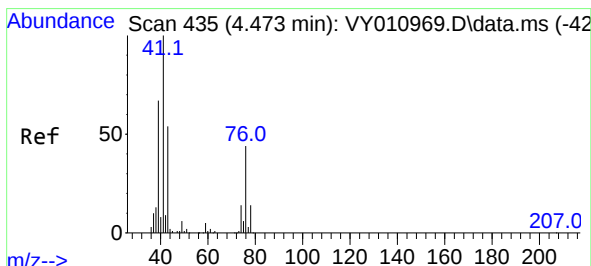
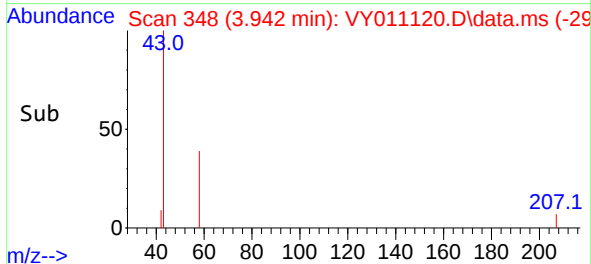
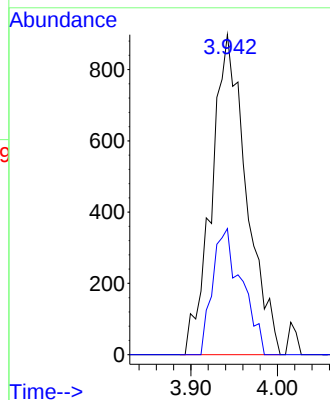
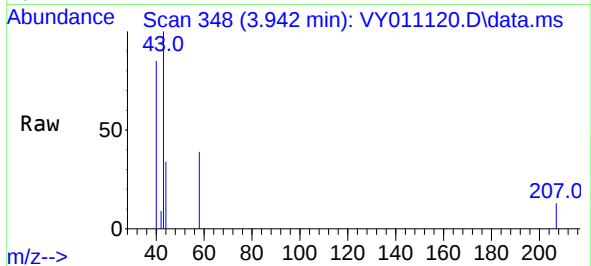
SB-9

Tgt Ion: 43 Resp: 2521

Ion Ratio Lower Upper

43 100

58 39.4 22.0 33.0#



#18

Methyl Acetate

Concen: Below Cal

RT: 4.277 min Scan# 403

Delta R.T. -0.196 min

Lab File: VY011120.D

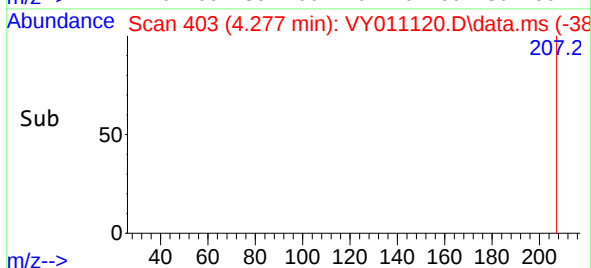
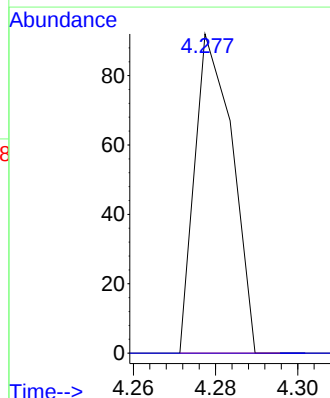
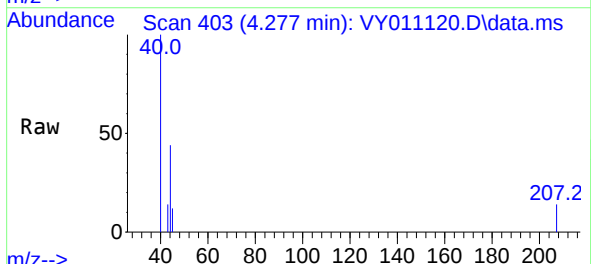
Acq: 26 Oct 2022 16:43

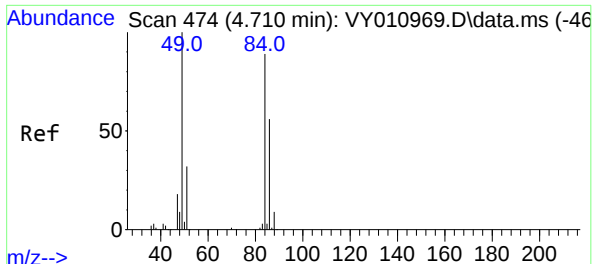
Tgt Ion: 43 Resp: 58

Ion Ratio Lower Upper

43 100

74 0.0 16.6 24.8#

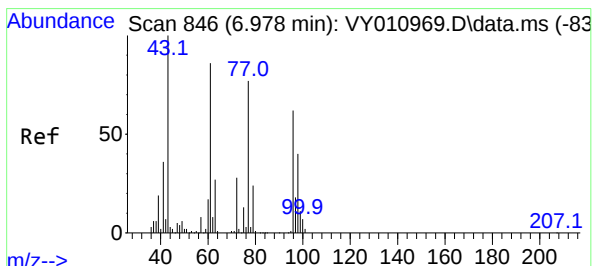
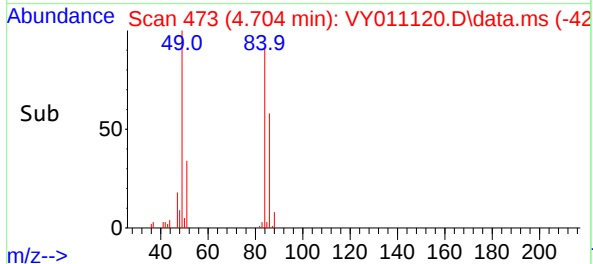
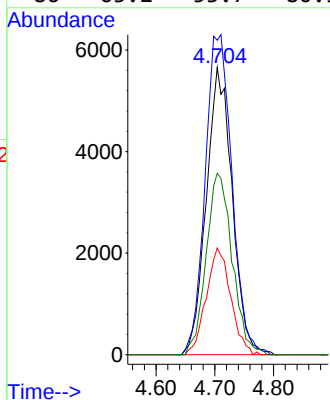
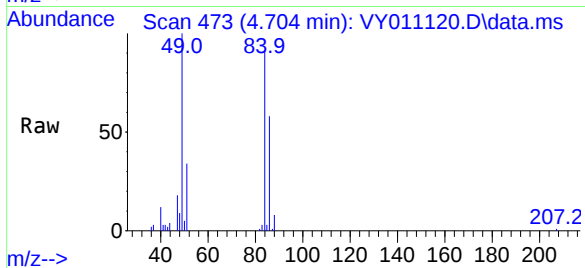




#20
Methylene Chloride
Concen: Below Cal
RT: 4.704 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY011120.D
Acq: 26 Oct 2022 16:43

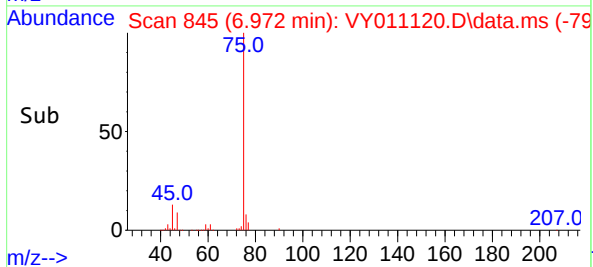
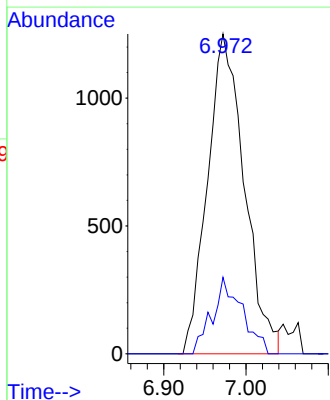
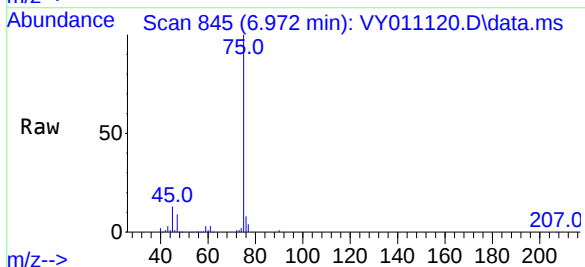
Instrument :
MSVOA_Y
ClientSampleId :
SB-9

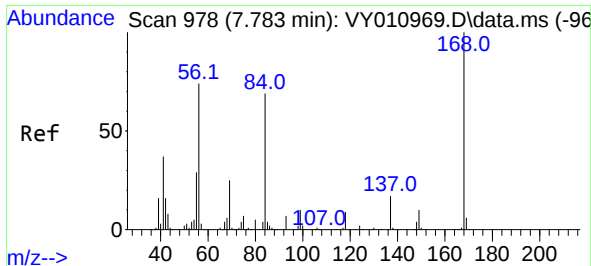
Tgt Ion: 84 Resp: 17336
Ion Ratio Lower Upper
84 100
49 109.5 114.4 171.6#
51 37.2 35.3 52.9
86 63.2 53.7 80.5



#25
2-Butanone
Concen: 3.002 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.006 min
Lab File: VY011120.D
Acq: 26 Oct 2022 16:43

Tgt Ion: 43 Resp: 3884
Ion Ratio Lower Upper
43 100
72 23.9 17.7 26.5

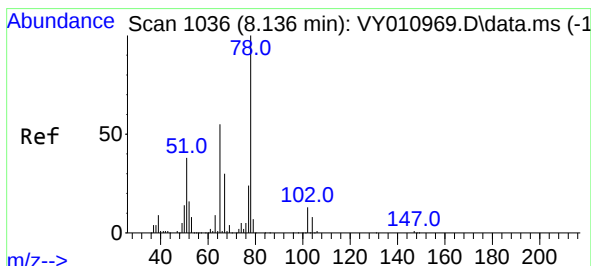
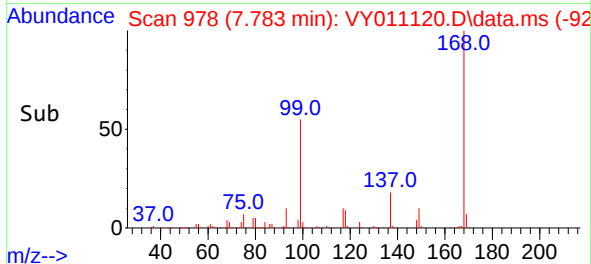
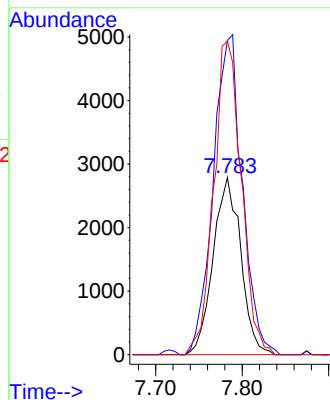
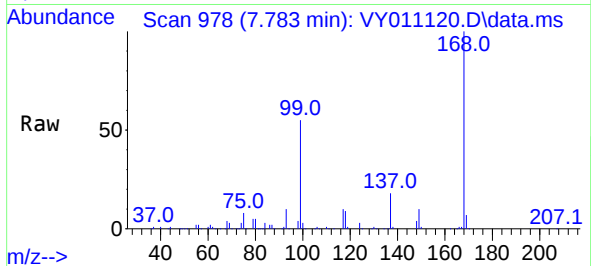




#31
Cyclohexane
Concen: 1.100 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011120.D
Acq: 26 Oct 2022 16:43

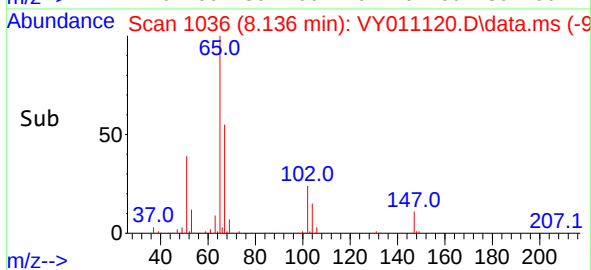
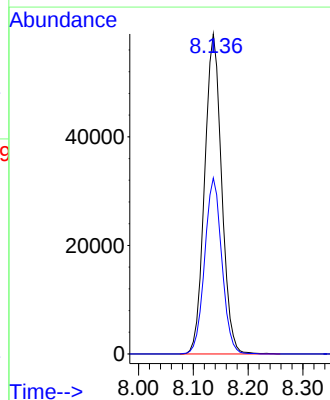
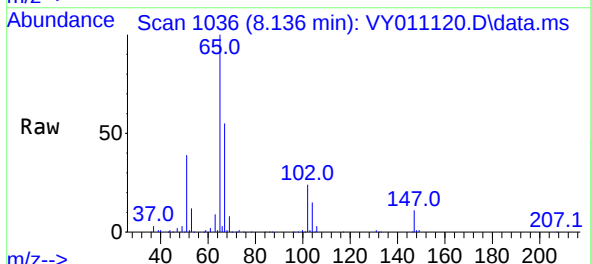
Instrument :
MSVOA_Y
ClientSampleId :
SB-9

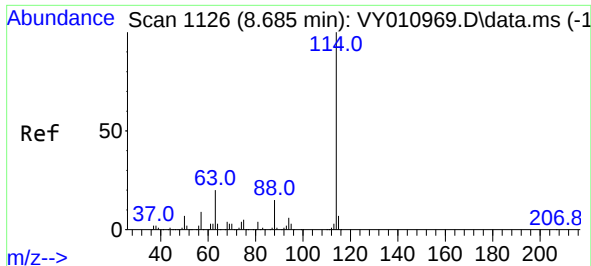
Tgt Ion: 56 Resp: 6184
Ion Ratio Lower Upper
56 100
69 177.3 26.7 40.1#
84 177.0 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 43.174 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY011120.D
Acq: 26 Oct 2022 16:43

Tgt Ion: 65 Resp: 126846
Ion Ratio Lower Upper
65 100
67 55.3 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: VY011120.D

Acq: 26 Oct 2022 16:43

Instrument :

MSVOA_Y

ClientSampleId :

SB-9

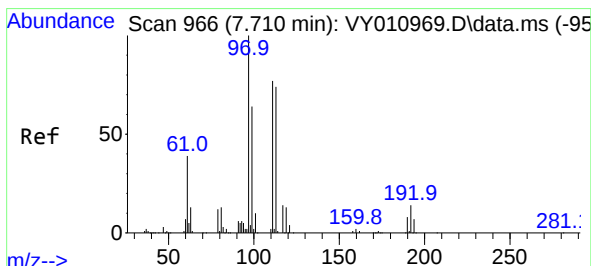
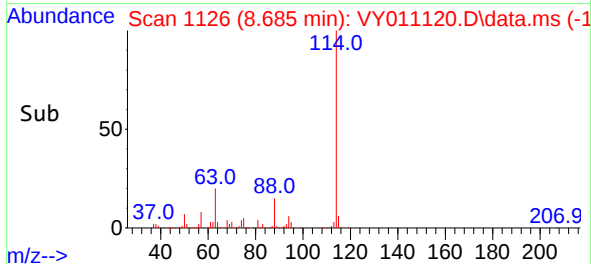
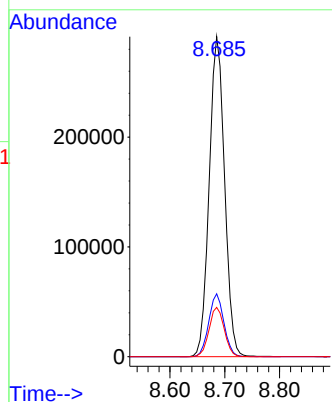
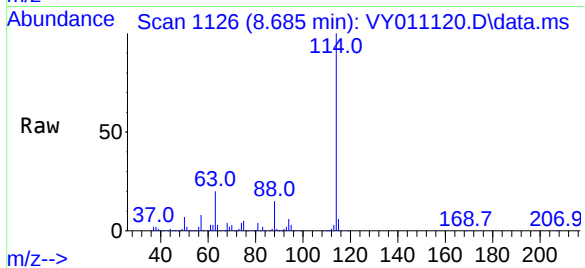
Tgt Ion:114 Resp: 566657

Ion Ratio Lower Upper

114 100

63 19.6 0.0 43.2

88 15.4 0.0 31.8



#35

Dibromofluoromethane

Concen: 42.077 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.000 min

Lab File: VY011120.D

Acq: 26 Oct 2022 16:43

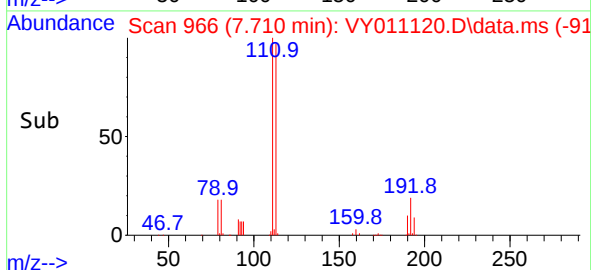
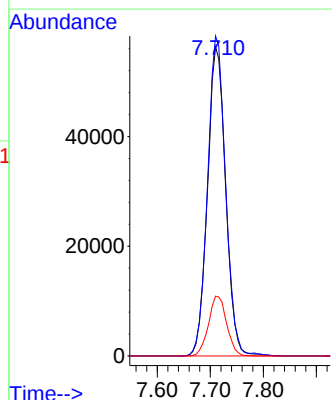
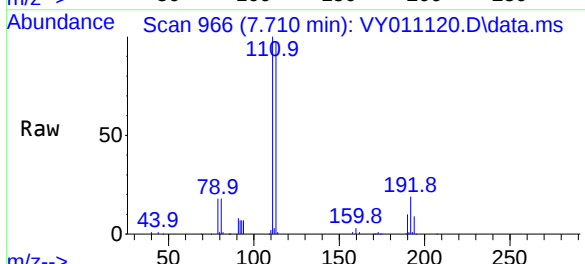
Tgt Ion:113 Resp: 133987

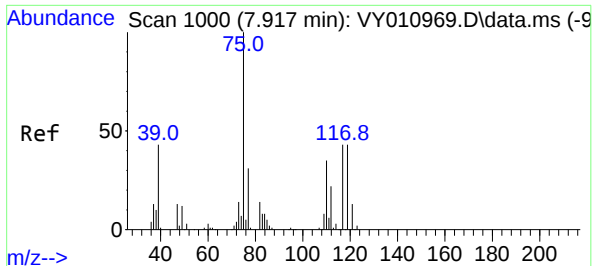
Ion Ratio Lower Upper

113 100

111 103.0 82.6 124.0

192 19.4 17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.651 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY011120.D

Acq: 26 Oct 2022 16:43

Instrument :

MSVOA_Y

ClientSampleId :

SB-9

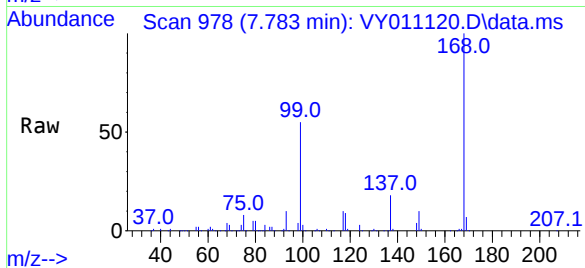
Tgt Ion: 75 Resp: 24534

Ion Ratio Lower Upper

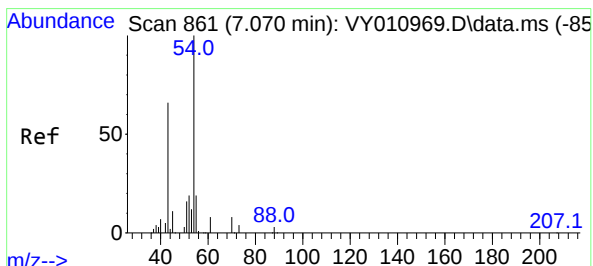
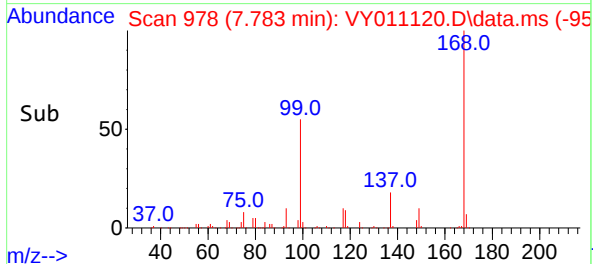
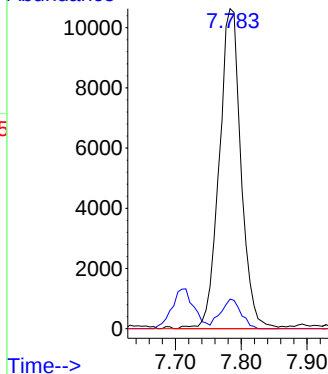
75 100

110 8.6 17.1 51.2#

77 0.0 24.4 36.6#



Abundance



#37

Ethyl Acetate

Concen: 1.330 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.098 min

Lab File: VY011120.D

Acq: 26 Oct 2022 16:43

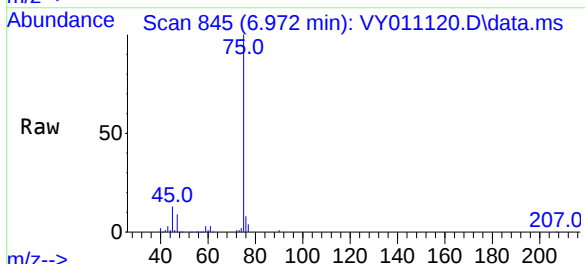
Tgt Ion: 43 Resp: 3884

Ion Ratio Lower Upper

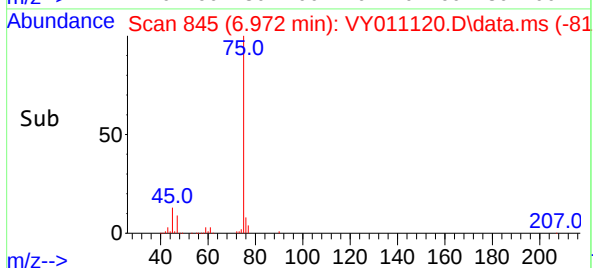
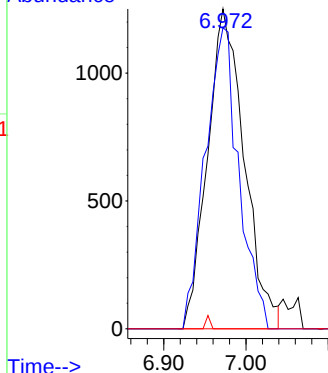
43 100

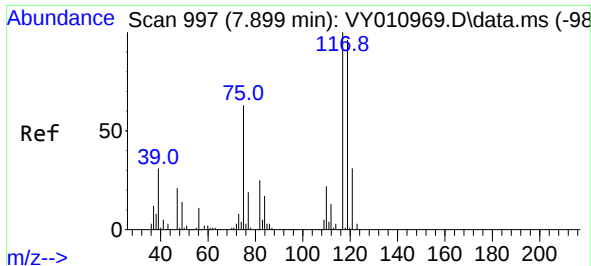
61 85.8 9.7 14.5#

70 0.5 7.1 10.7#



Abundance

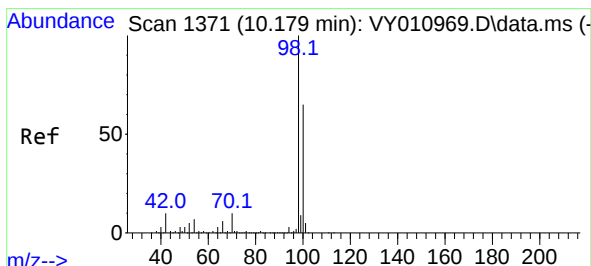
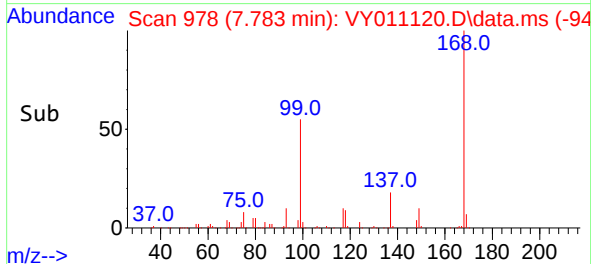
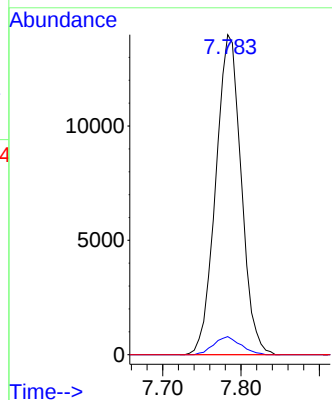
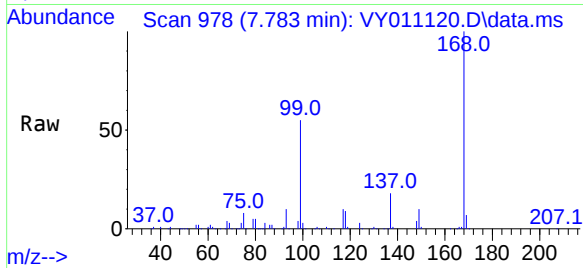




#38
Carbon Tetrachloride
Concen: 5.800 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY011120.D
Acq: 26 Oct 2022 16:43

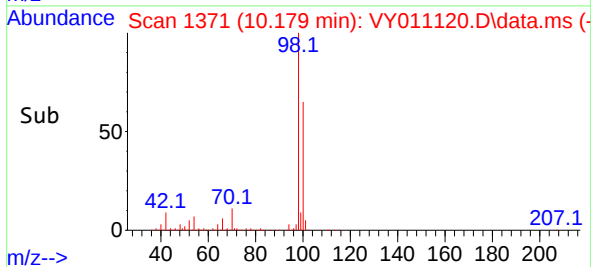
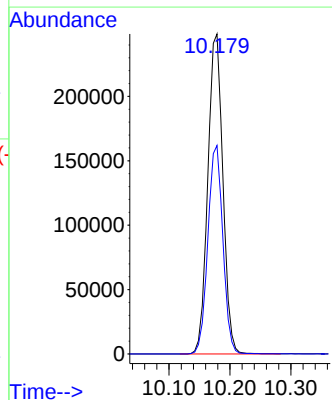
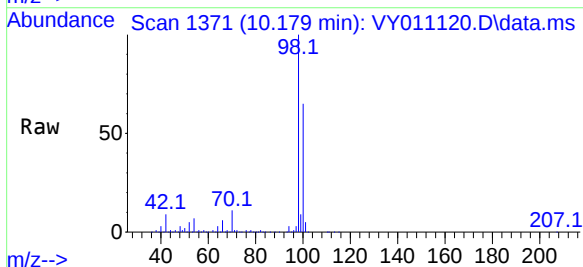
Instrument :
MSVOA_Y
ClientSampleId :
SB-9

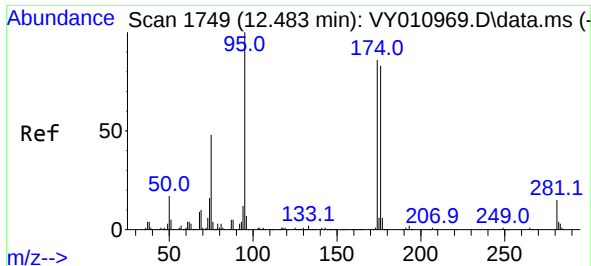
Tgt Ion:117 Resp: 31583
Ion Ratio Lower Upper
117 100
119 5.7 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 36.061 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011120.D
Acq: 26 Oct 2022 16:43

Tgt Ion: 98 Resp: 426666
Ion Ratio Lower Upper
98 100
100 64.9 50.2 75.2

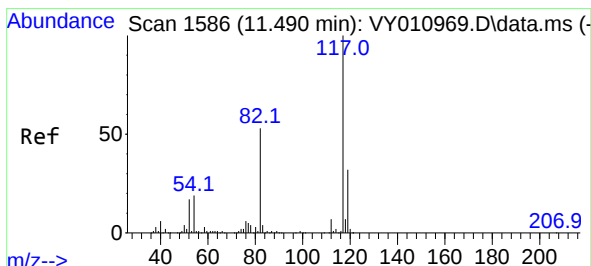
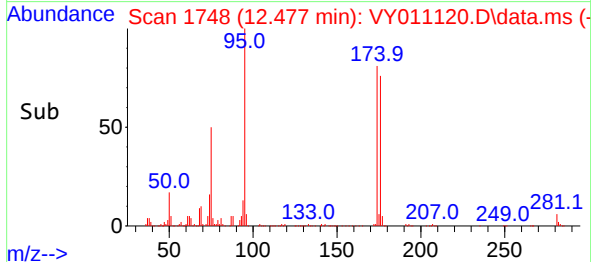
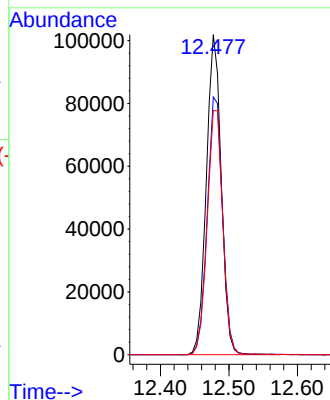
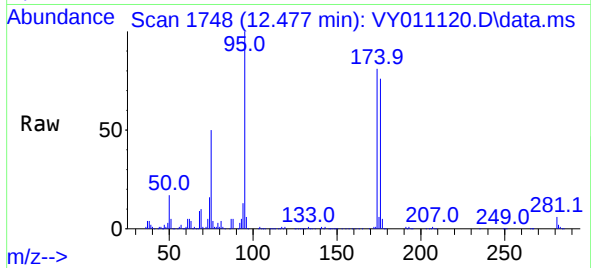




#62
4-Bromofluorobenzene
Concen: 35.877 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY011120.D
Acq: 26 Oct 2022 16:43

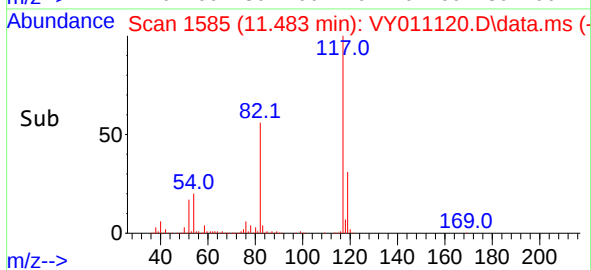
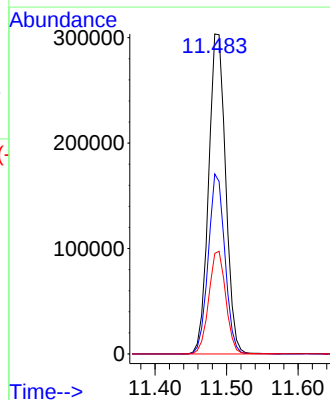
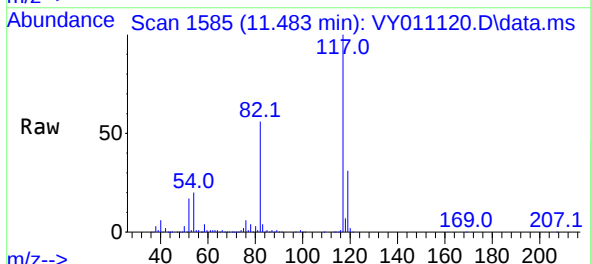
Instrument :
MSVOA_Y
ClientSampleId :
SB-9

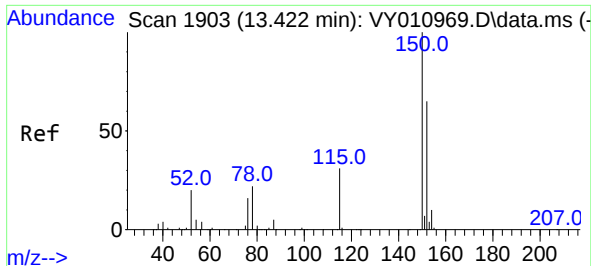
Tgt Ion: 95 Resp: 154003
Ion Ratio Lower Upper
95 100
174 83.3 0.0 177.0
176 79.6 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.483 min Scan# 1585
Delta R.T. -0.007 min
Lab File: VY011120.D
Acq: 26 Oct 2022 16:43

Tgt Ion: 117 Resp: 502488
Ion Ratio Lower Upper
117 100
82 56.2 43.0 64.4
119 31.4 25.4 38.0

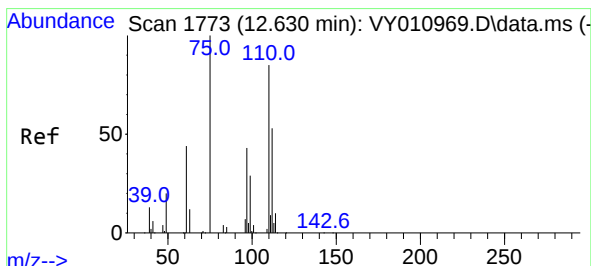
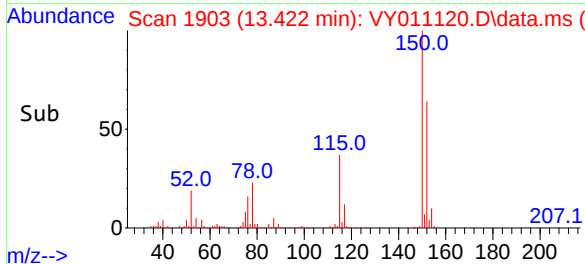
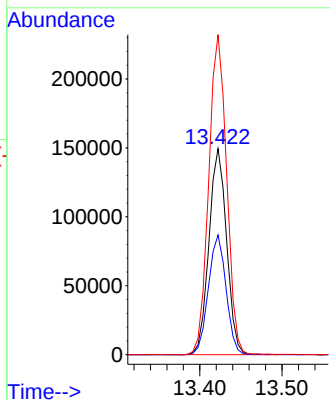
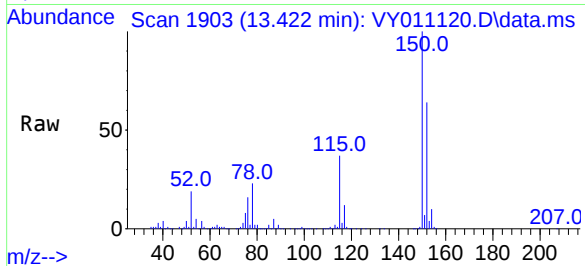




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. 0.000 min
 Lab File: VY011120.D
 Acq: 26 Oct 2022 16:43

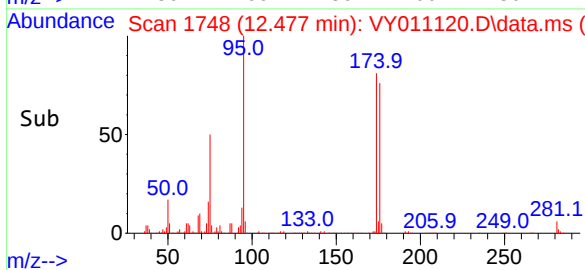
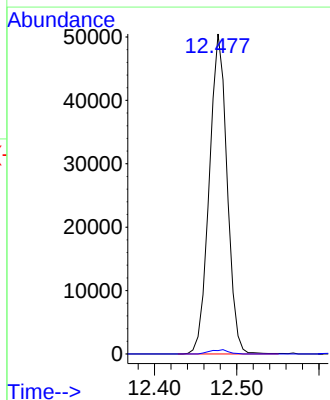
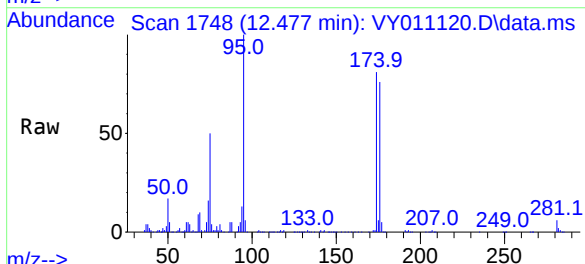
Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-9

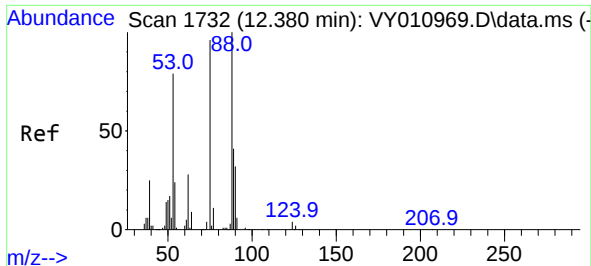
Tgt Ion:152 Resp: 223112
 Ion Ratio Lower Upper
 152 100
 115 58.1 28.2 84.7
 150 157.5 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 30.047 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.153 min
 Lab File: VY011120.D
 Acq: 26 Oct 2022 16:43

Tgt Ion: 75 Resp: 76110
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 64.623 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY011120.D
 Acq: 26 Oct 2022 16:43

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-9

Tgt Ion: 75 Resp: 76110
 Ion Ratio Lower Upper
 75 100
 53 0.1 85.3 127.9#
 89 0.1 37.0 55.4#

