

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102622\
 Data File : VY011124.D
 Acq On : 26 Oct 2022 18:13
 Operator : KP/MD
 Sample : N5281-13
 Misc : 2.87g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-12

Quant Time: Oct 27 04:40:39 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)

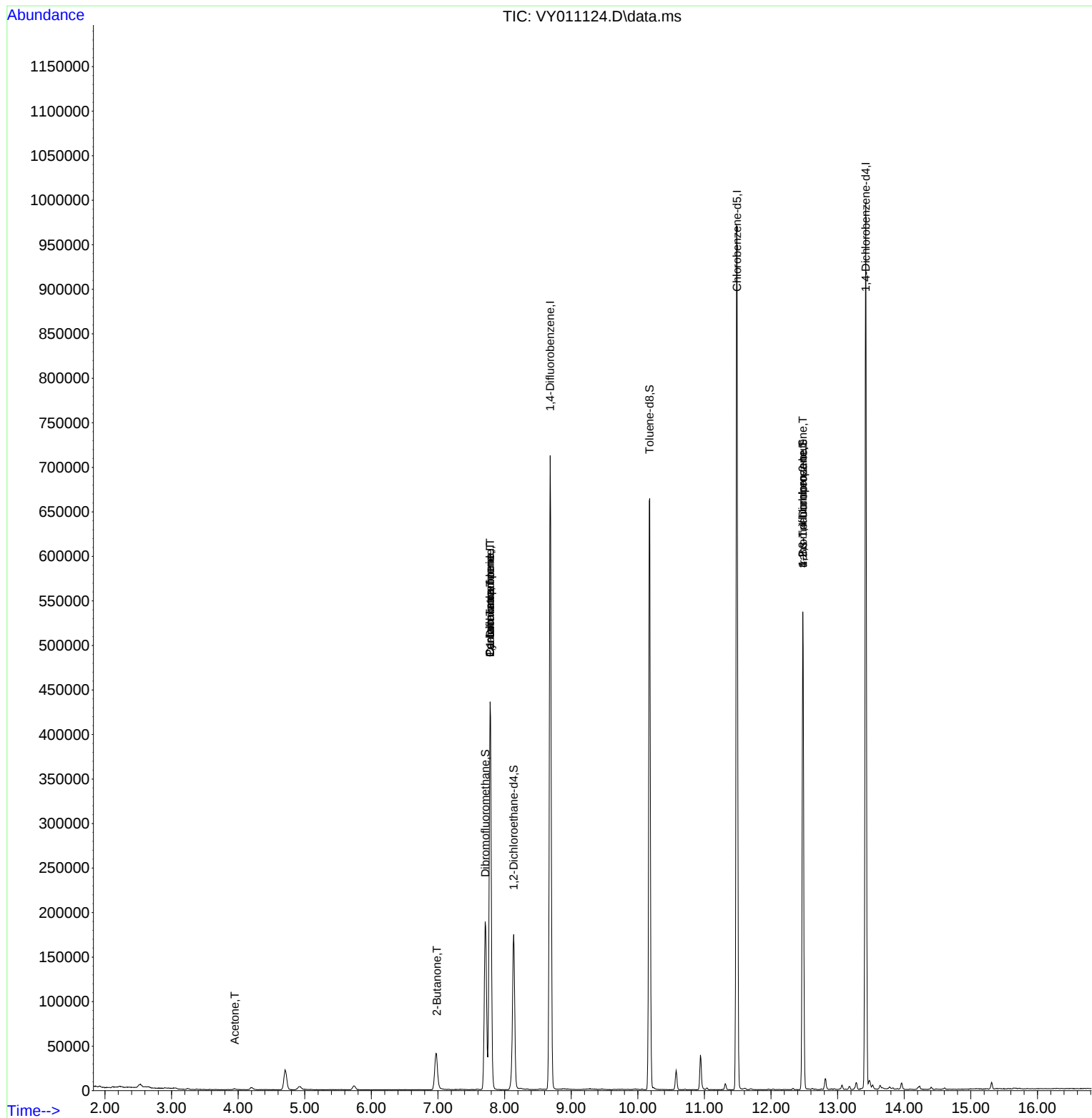
Internal Standards						
1) Pentafluorobenzene	7.783	168	338708	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	606939	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	547485	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	247598	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	128516	41.191	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	82.380%
35) Dibromofluoromethane	7.710	113	138508	40.531	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	81.060%
50) Toluene-d8	10.179	98	444433	35.070	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	70.140%
62) 4-Bromofluorobenzene	12.477	95	161517	35.062	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	70.120%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.930	59	4495	Below Cal	#	77
16) Acetone	3.948	43	2080	2.296	ug/l #	78
18) Methyl Acetate	4.472	43	188	Below Cal	#	56
20) Methylene Chloride	4.704	84	17893	Below Cal	#	78
25) 2-Butanone	6.984	43	2933	2.135	ug/l #	77
31) Cyclohexane	7.783	56	6287	1.053	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	26376	4.668	ug/l #	50
38) Carbon Tetrachloride	7.783	117	34278	5.877	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	80660	28.694	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	80660	61.713	ug/l #	7

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

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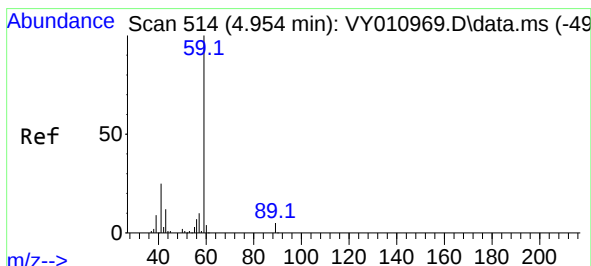
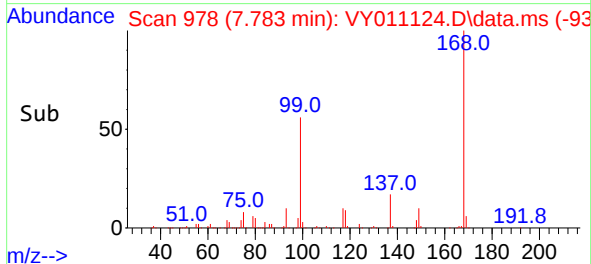
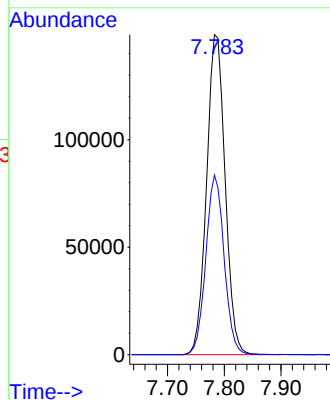
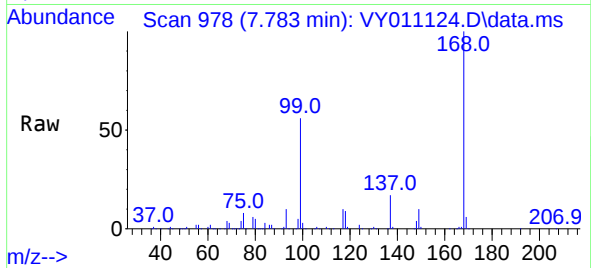




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY011124.D
Acq: 26 Oct 2022 18:13

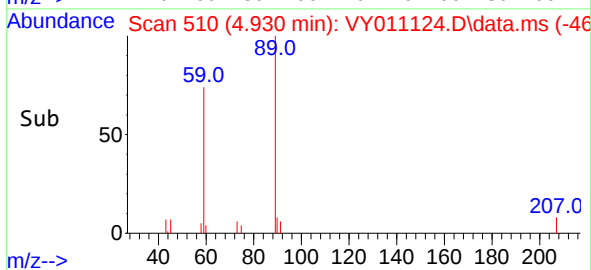
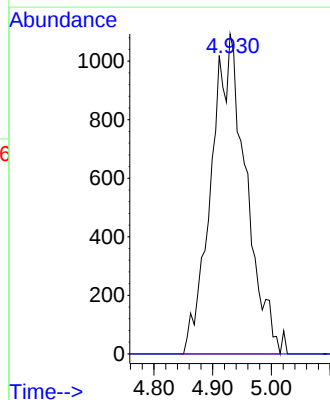
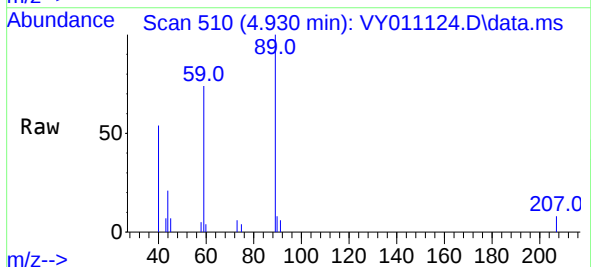
Instrument :
MSVOA_Y
ClientSampleId :
SB-12

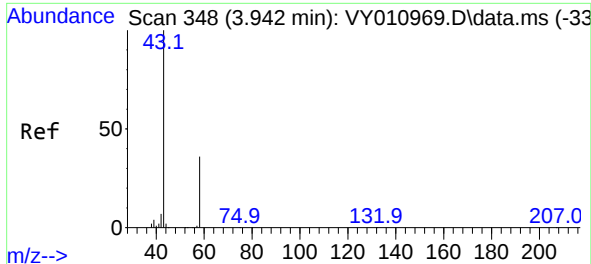
Tgt Ion:168 Resp: 338708
Ion Ratio Lower Upper
168 100
99 56.2 46.9 70.3



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.930 min Scan# 510
Delta R.T. -0.024 min
Lab File: VY011124.D
Acq: 26 Oct 2022 18:13

Tgt Ion: 59 Resp: 4495
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#





#16

Acetone

Concen: 2.296 ug/l

RT: 3.948 min Scan# 34

Delta R.T. 0.006 min

Lab File: VY011124.D

Acq: 26 Oct 2022 18:13

Instrument :

MSVOA_Y

ClientSampleId :

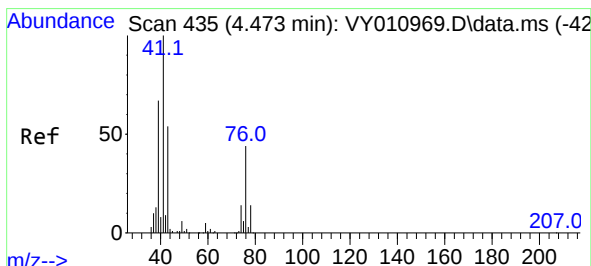
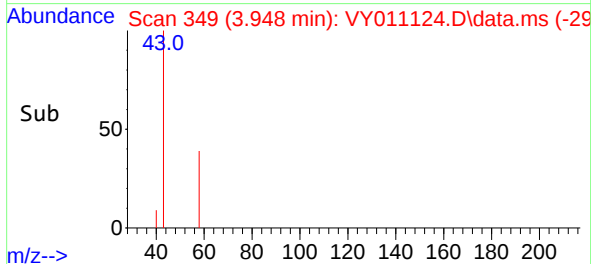
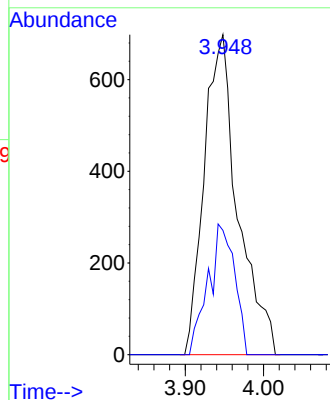
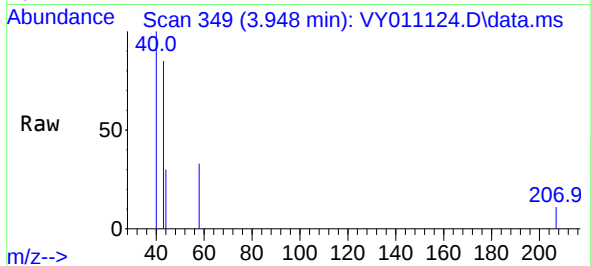
SB-12

Tgt Ion: 43 Resp: 2080

Ion Ratio Lower Upper

43 100

58 38.8 22.0 33.0#



#18

Methyl Acetate

Concen: Below Cal

RT: 4.472 min Scan# 435

Delta R.T. -0.001 min

Lab File: VY011124.D

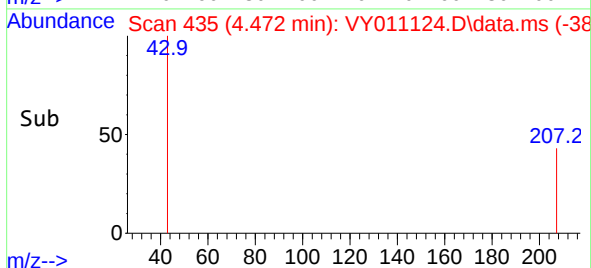
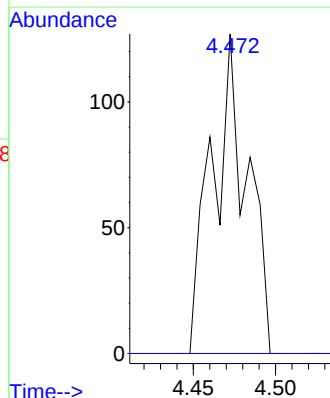
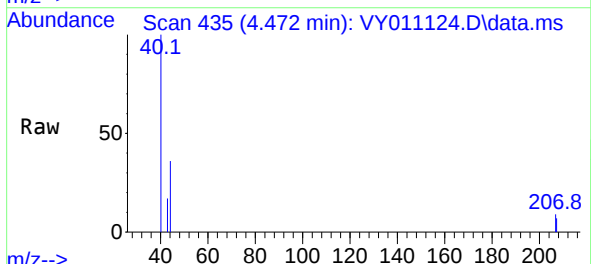
Acq: 26 Oct 2022 18:13

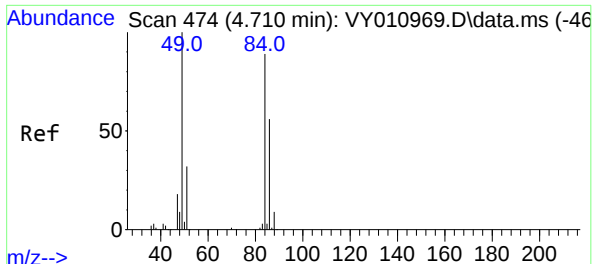
Tgt Ion: 43 Resp: 188

Ion Ratio Lower Upper

43 100

74 0.0 16.6 24.8#

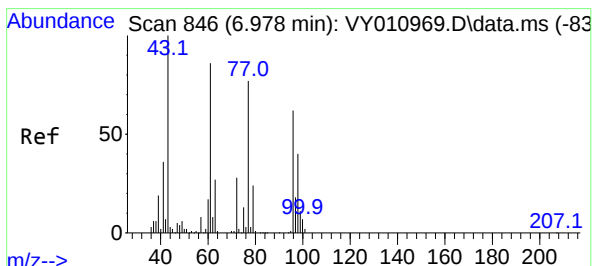
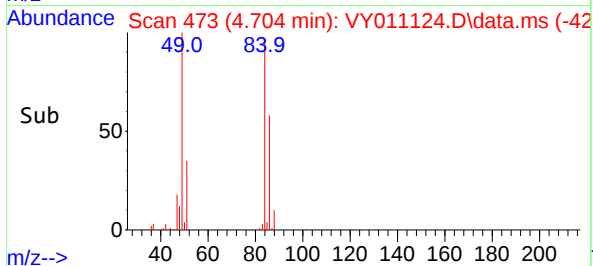
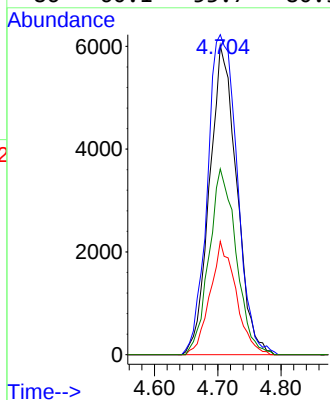
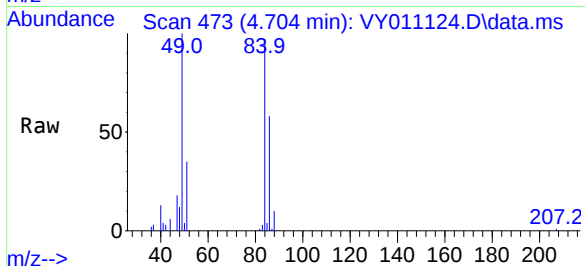




#20
Methylene Chloride
Concen: Below Cal
RT: 4.704 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY011124.D
Acq: 26 Oct 2022 18:13

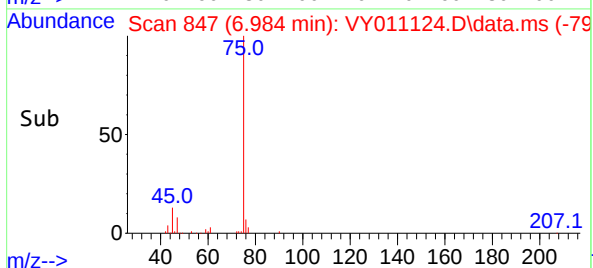
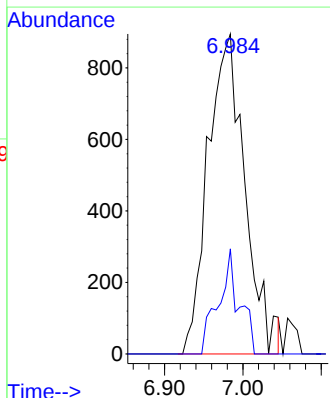
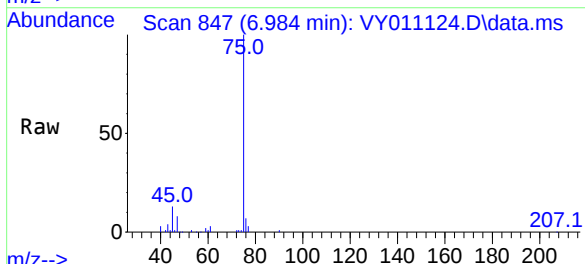
Instrument :
MSVOA_Y
ClientSampleId :
SB-12

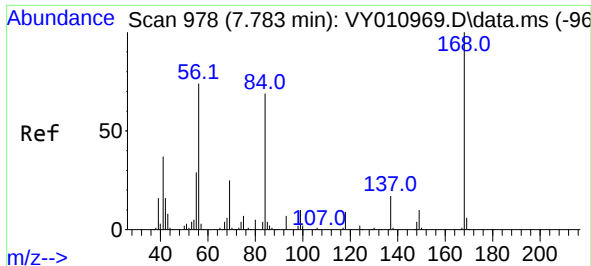
Tgt Ion: 84 Resp: 17893
Ion Ratio Lower Upper
84 100
49 103.5 114.4 171.6#
51 36.6 35.3 52.9
86 60.1 53.7 80.5



#25
2-Butanone
Concen: 2.135 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.006 min
Lab File: VY011124.D
Acq: 26 Oct 2022 18:13

Tgt Ion: 43 Resp: 2933
Ion Ratio Lower Upper
43 100
72 32.8 17.7 26.5#

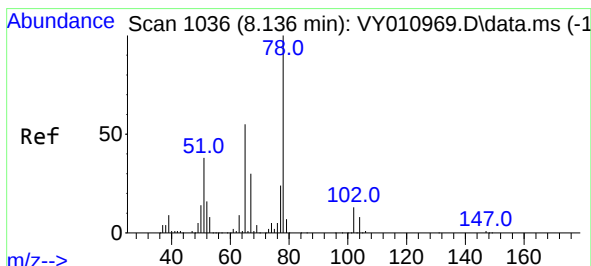
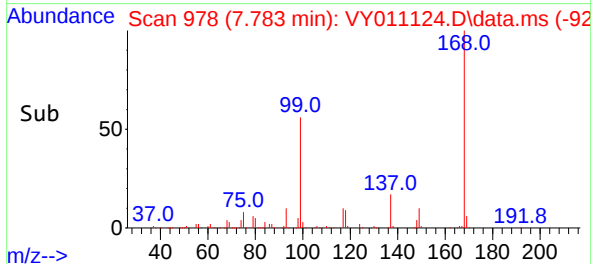
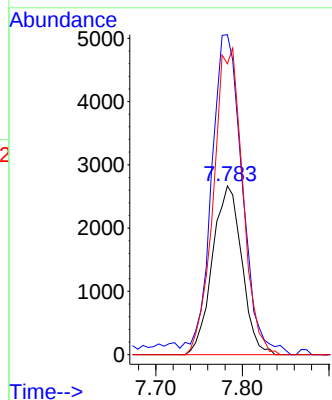
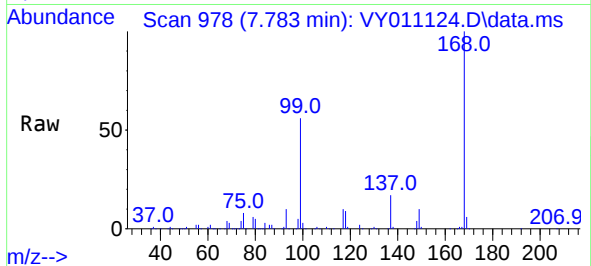




#31
Cyclohexane
Concen: 1.053 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011124.D
Acq: 26 Oct 2022 18:13

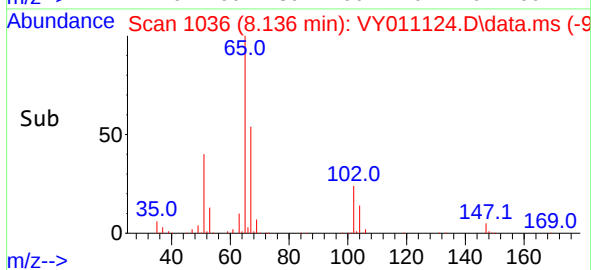
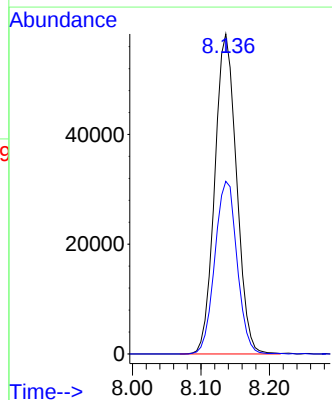
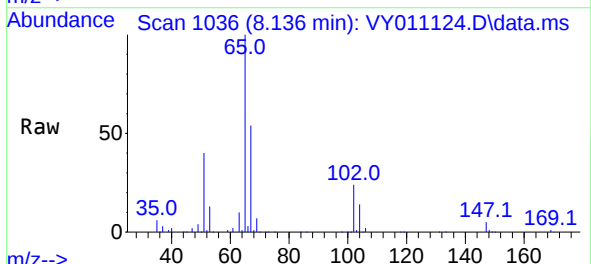
Instrument :
MSVOA_Y
ClientSampleId :
SB-12

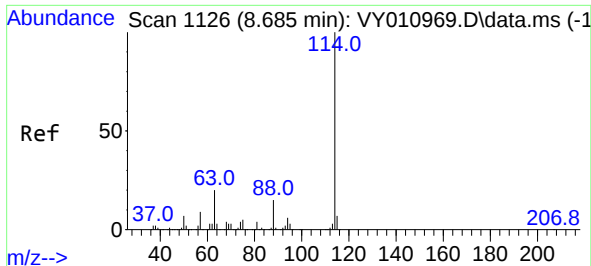
Tgt Ion: 56 Resp: 6287
Ion Ratio Lower Upper
56 100
69 185.8 26.7 40.1#
84 172.3 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 41.191 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY011124.D
Acq: 26 Oct 2022 18:13

Tgt Ion: 65 Resp: 128516
Ion Ratio Lower Upper
65 100
67 55.0 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: VY011124.D

Acq: 26 Oct 2022 18:13

Instrument :

MSVOA_Y

ClientSampleId :

SB-12

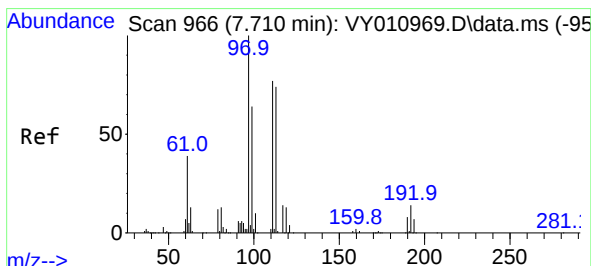
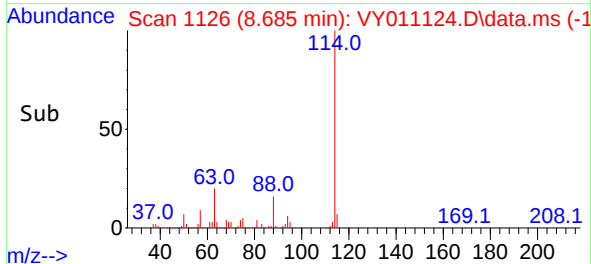
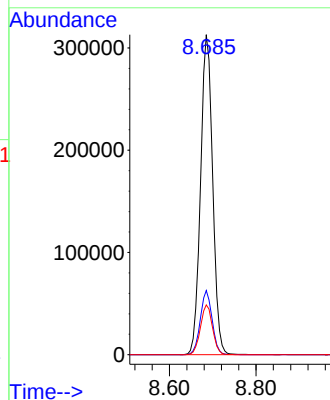
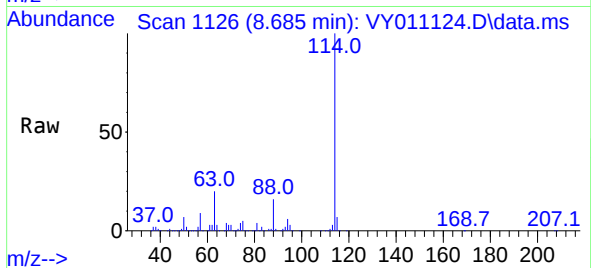
Tgt Ion:114 Resp: 606939

Ion Ratio Lower Upper

114 100

63 20.1 0.0 43.2

88 15.6 0.0 31.8



#35

Dibromofluoromethane

Concen: 40.531 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.000 min

Lab File: VY011124.D

Acq: 26 Oct 2022 18:13

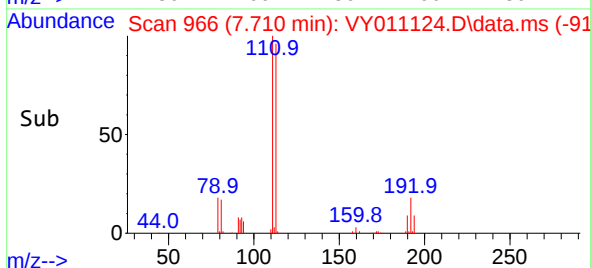
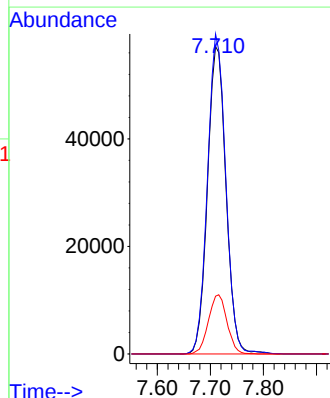
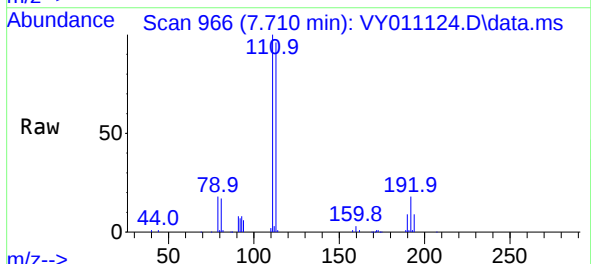
Tgt Ion:113 Resp: 138508

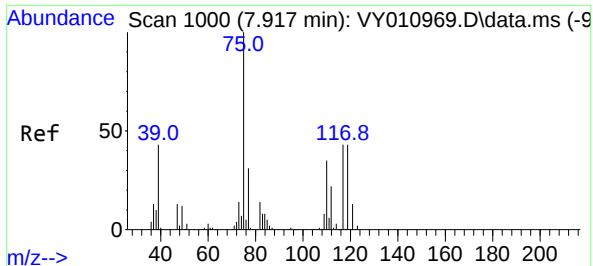
Ion Ratio Lower Upper

113 100

111 102.9 82.6 124.0

192 19.3 17.6 26.4

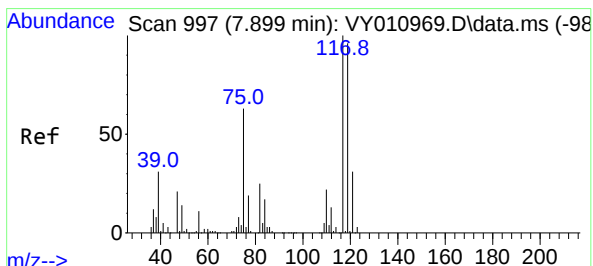
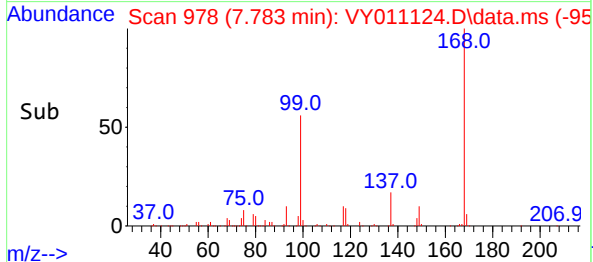
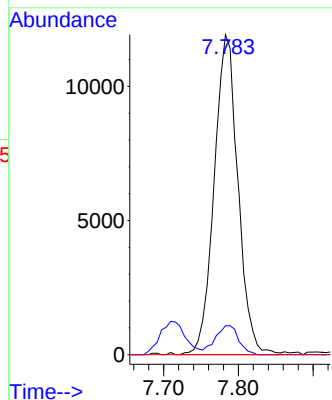
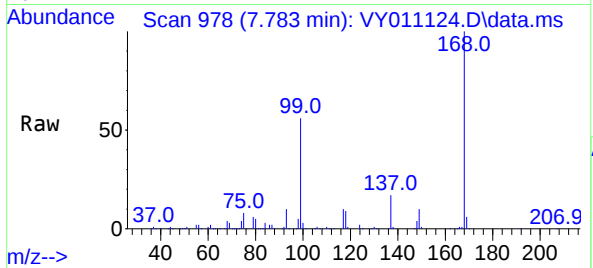




#36
1,1-Dichloropropene
Concen: 4.668 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.134 min
Lab File: VY011124.D
Acq: 26 Oct 2022 18:13

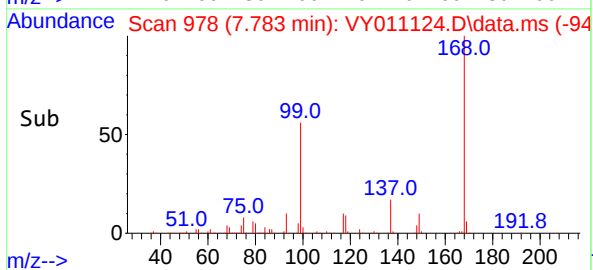
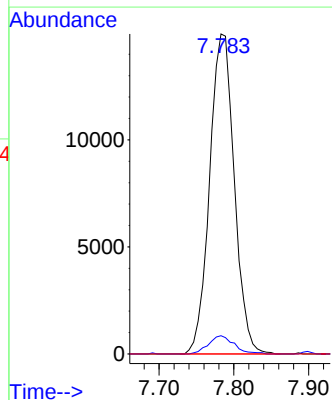
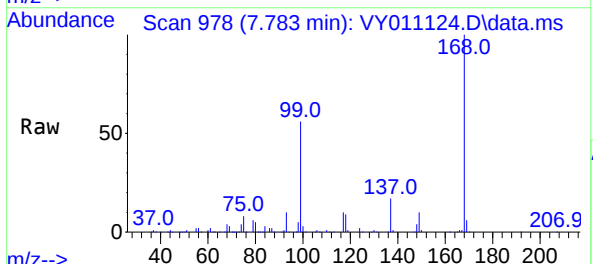
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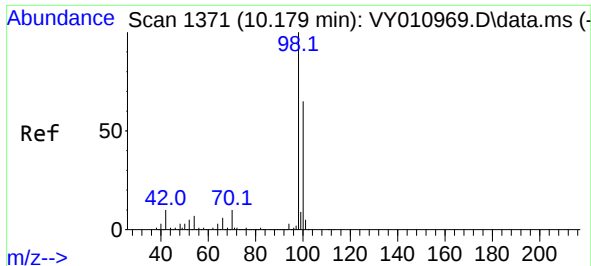
Tgt Ion: 75 Resp: 26376
Ion Ratio Lower Upper
75 100
110 8.8 17.1 51.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.877 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.116 min
Lab File: VY011124.D
Acq: 26 Oct 2022 18:13

Tgt Ion: 117 Resp: 34278
Ion Ratio Lower Upper
117 100
119 5.7 77.9 116.9#
121 0.0 24.8 37.2#

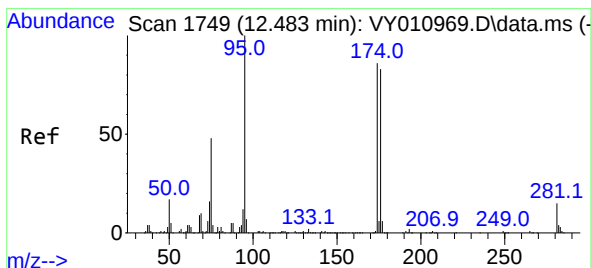
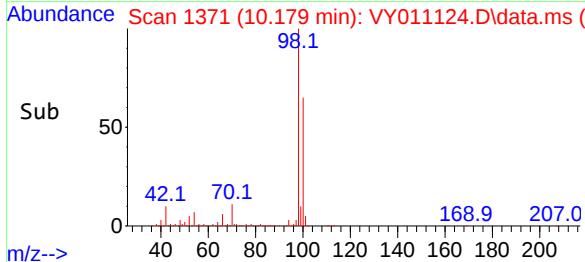
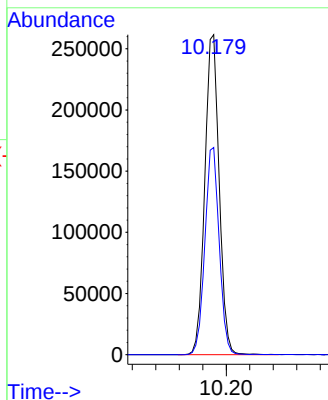
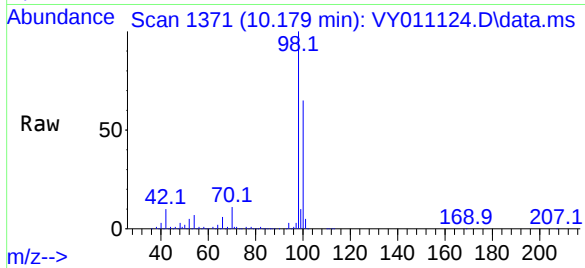




#50
Toluene-d8
Concen: 35.070 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011124.D
Acq: 26 Oct 2022 18:13

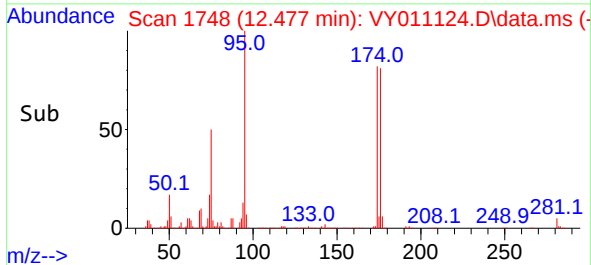
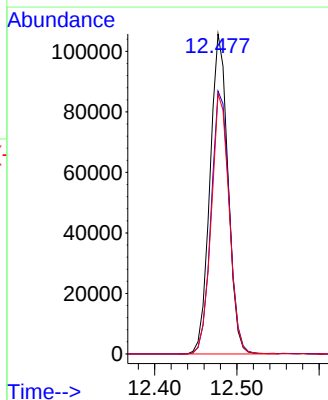
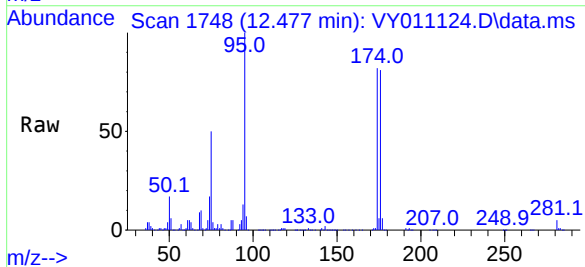
Instrument :
MSVOA_Y
ClientSampleId :
SB-12

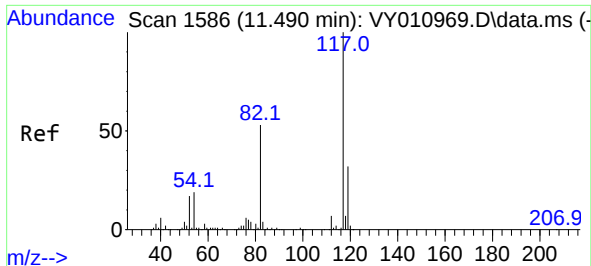
Tgt Ion: 98 Resp: 444433
Ion Ratio Lower Upper
98 100
100 64.5 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 35.062 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY011124.D
Acq: 26 Oct 2022 18:13

Tgt Ion: 95 Resp: 161517
Ion Ratio Lower Upper
95 100
174 83.1 0.0 177.0
176 80.5 0.0 175.8

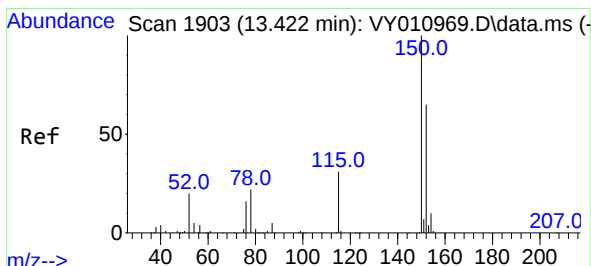
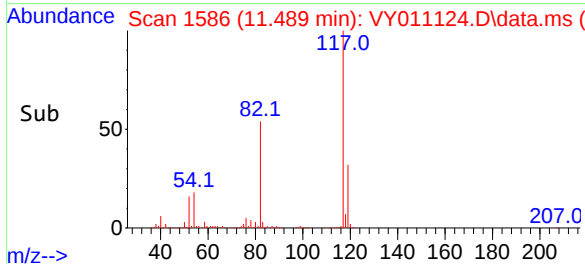
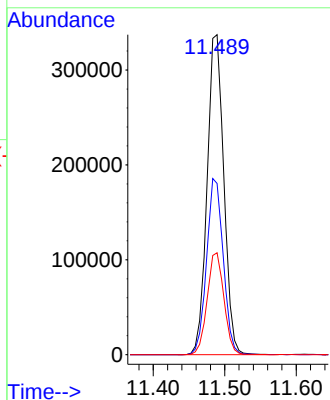
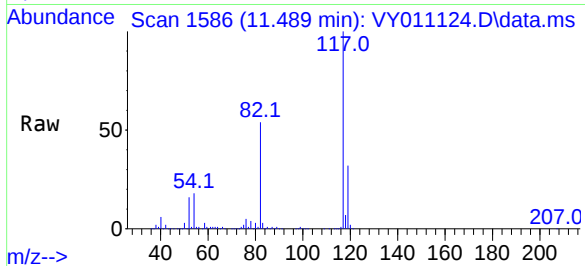




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. -0.001 min
Lab File: VY011124.D
Acq: 26 Oct 2022 18:13

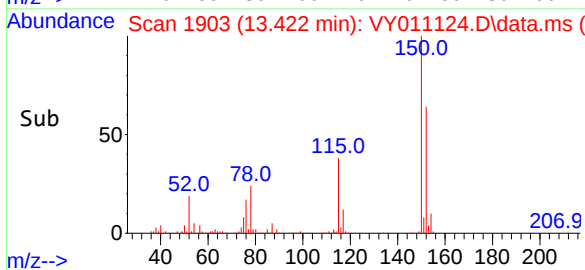
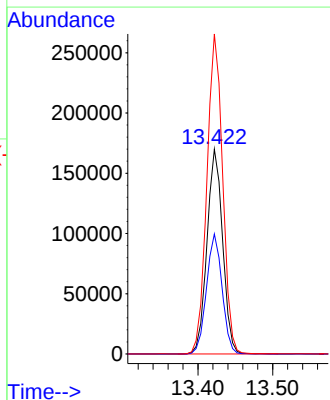
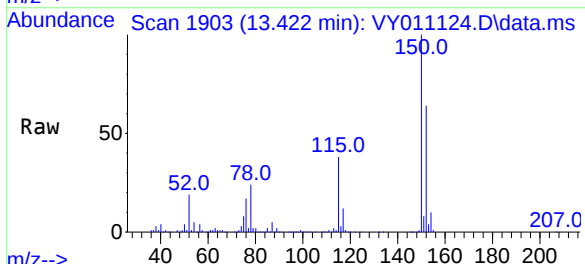
Instrument :
MSVOA_Y
ClientSampleId :
SB-12

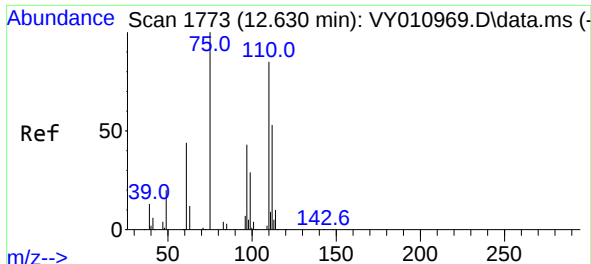
Tgt Ion:117 Resp: 547485
Ion Ratio Lower Upper
117 100
82 53.5 43.0 64.4
119 31.9 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY011124.D
Acq: 26 Oct 2022 18:13

Tgt Ion:152 Resp: 247598
Ion Ratio Lower Upper
152 100
115 58.4 28.2 84.7
150 157.5 0.0 347.6

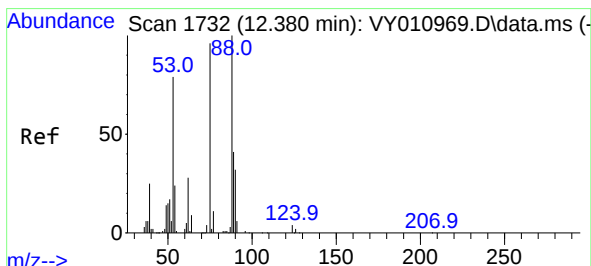
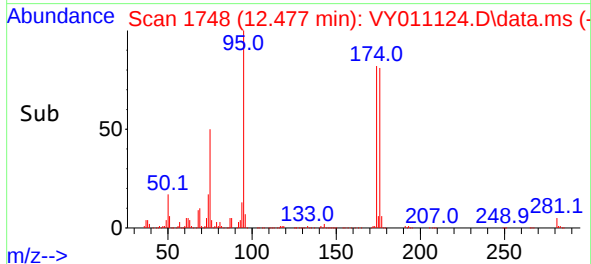
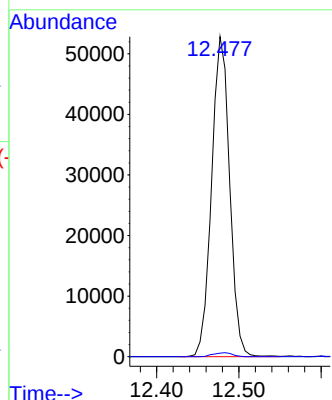
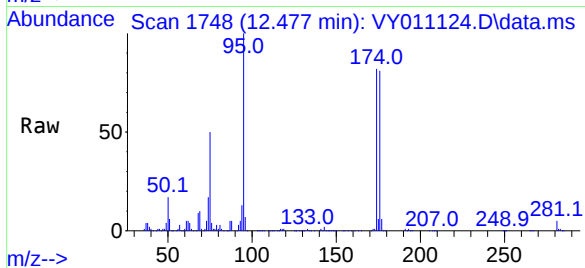




#76
1,2,3-Trichloropropane
Concen: 28.694 ug/l
RT: 12.477 min Scan# 1773
Delta R.T. -0.153 min
Lab File: VY011124.D
Acq: 26 Oct 2022 18:13

Instrument :
MSVOA_Y
ClientSampleId :
SB-12

Tgt Ion: 75 Resp: 80660
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 61.713 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.097 min
Lab File: VY011124.D
Acq: 26 Oct 2022 18:13

Tgt Ion: 75 Resp: 80660
Ion Ratio Lower Upper
75 100
53 0.2 85.3 127.9#
89 0.1 37.0 55.4#

