

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102422\
 Data File : VY011064.D
 Acq On : 24 Oct 2022 13:20
 Operator : KP/MD
 Sample : N5217-15RE
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-K1-3.5-4.0RE

Quant Time: Oct 25 05:29:13 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)

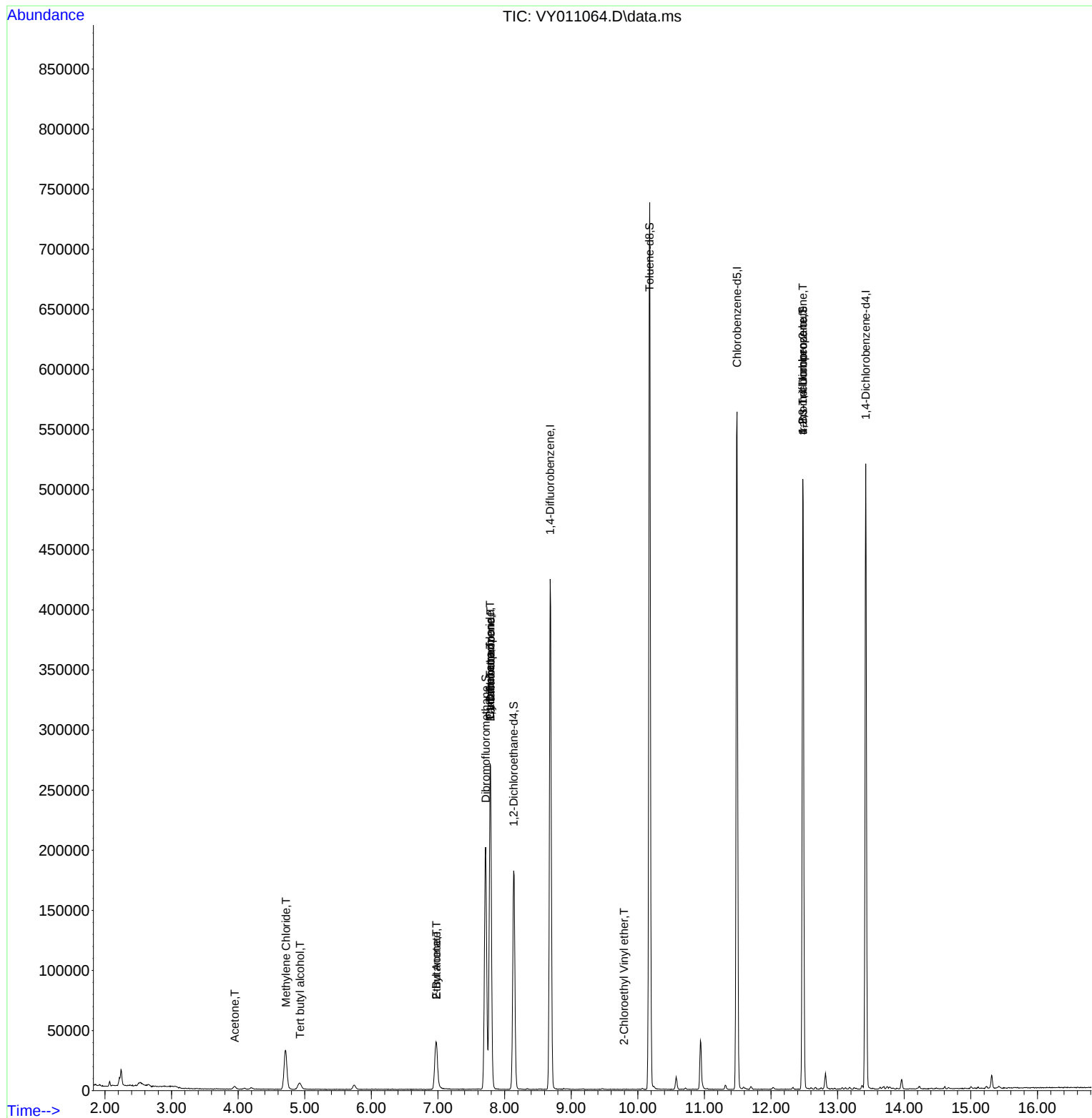
Internal Standards						
1) Pentafluorobenzene	7.789	168	216422	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	368213	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	320828	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	133863	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	140551	70.502	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 141.000%			
35) Dibromofluoromethane	7.716	113	145432	71.795	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 143.580%			
50) Toluene-d8	10.179	98	489013	63.605	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 127.200%			
62) 4-Bromofluorobenzene	12.477	95	158675	58.804	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 117.600%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.930	59	5710	4.099	ug/l #	77
16) Acetone	3.948	43	4279	7.391	ug/l #	86
18) Methyl Acetate	4.472	43	77	Below Cal	#	56
20) Methylene Chloride	4.716	84	25875	4.508	ug/l #	80
25) 2-Butanone	6.978	43	2808	3.198	ug/l	92
31) Cyclohexane	7.783	56	4262	1.117	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	16242	4.738	ug/l #	50
37) Ethyl Acetate	6.978	43	2808	1.480	ug/l #	1
38) Carbon Tetrachloride	7.783	117	20894	5.905	ug/l #	15
58) 2-Chloroethyl Vinyl ether	9.795	63	83	17.018	ug/l #	48
76) 1,2,3-Trichloropropane	12.477	75	78062	51.364	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	78062	110.470	ug/l #	7

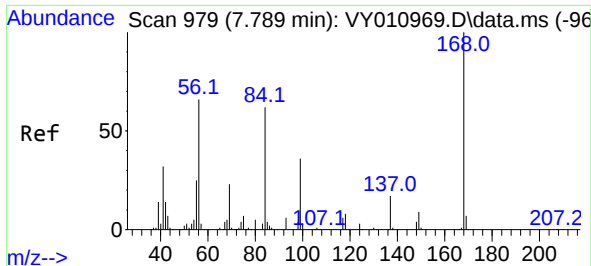
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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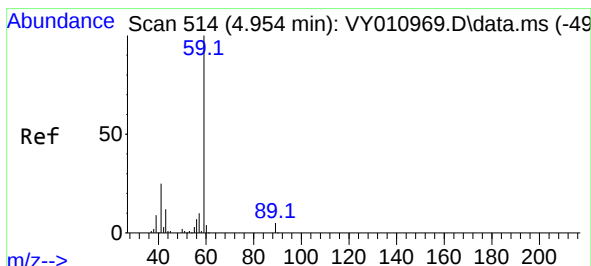
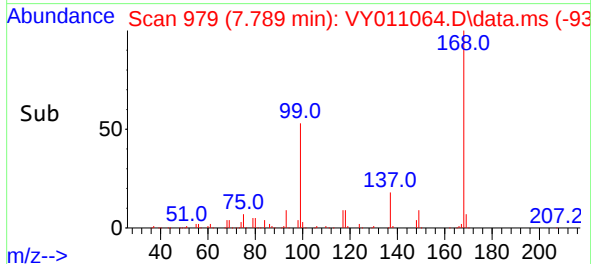
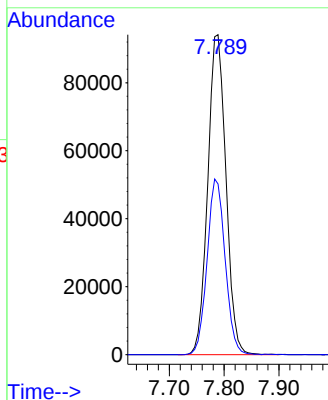
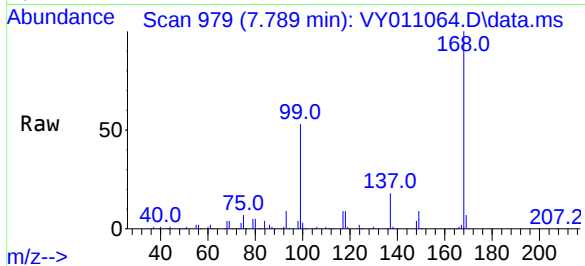




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011064.D
Acq: 24 Oct 2022 13:20

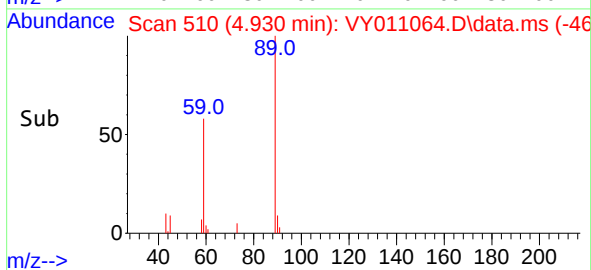
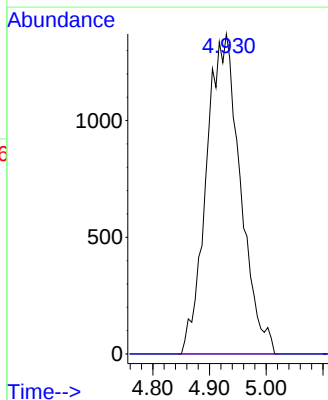
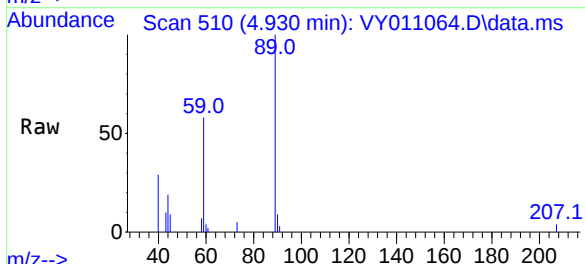
Instrument :
MSVOA_Y
ClientSampleId :
SB-K1-3.5-4.0RE

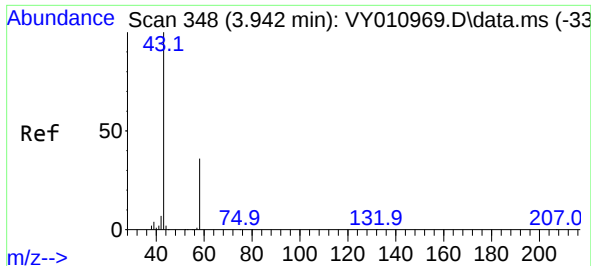
Tgt Ion:168 Resp: 216422
Ion Ratio Lower Upper
168 100
99 53.4 46.9 70.3



#11
Tert butyl alcohol
Concen: 4.099 ug/l
RT: 4.930 min Scan# 510
Delta R.T. -0.024 min
Lab File: VY011064.D
Acq: 24 Oct 2022 13:20

Tgt Ion: 59 Resp: 5710
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

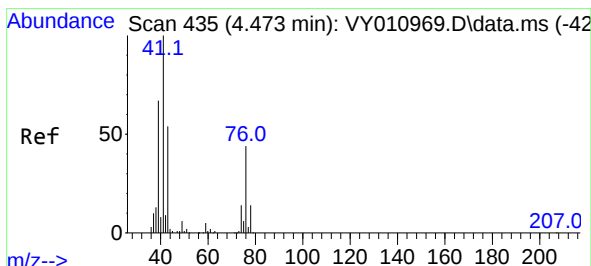
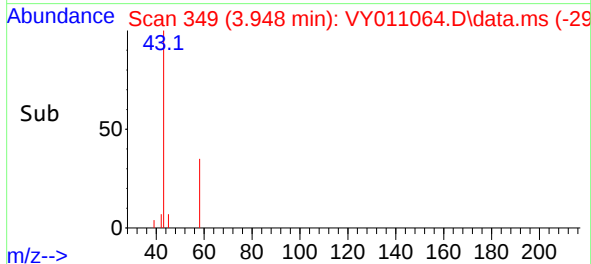
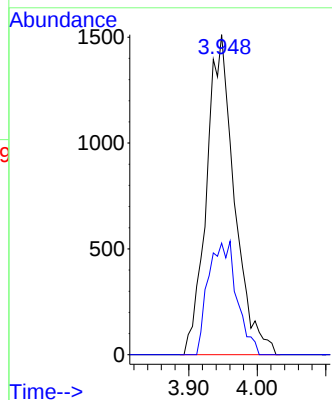
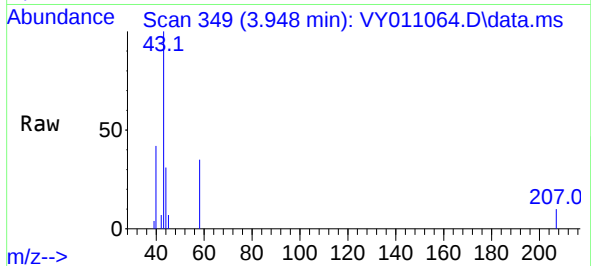




#16
Acetone
Concen: 7.391 ug/l
RT: 3.948 min Scan# 348
Delta R.T. 0.006 min
Lab File: VY011064.D
Acq: 24 Oct 2022 13:20

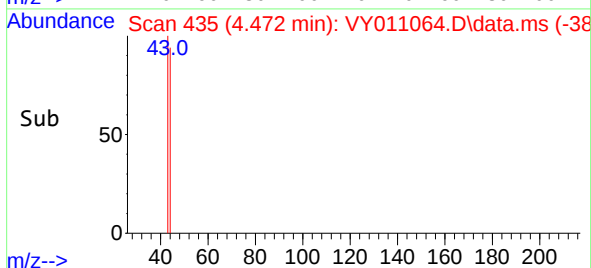
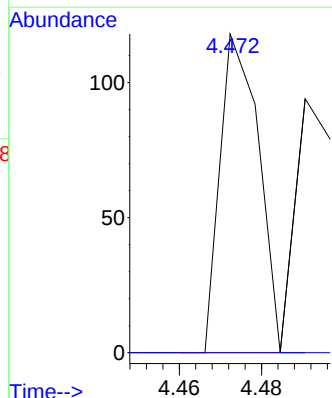
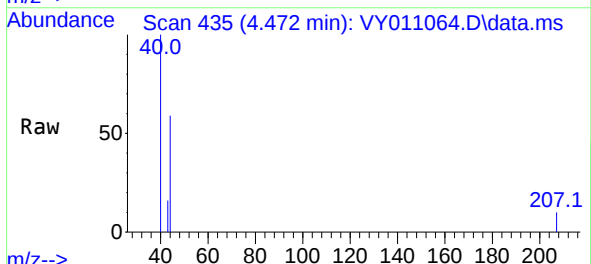
Instrument :
MSVOA_Y
ClientSampleId :
SB-K1-3.5-4.0RE

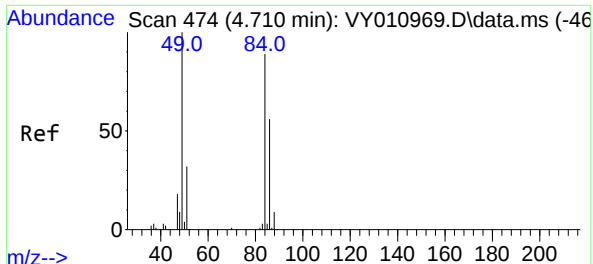
Tgt Ion: 43 Resp: 4279
Ion Ratio Lower Upper
43 100
58 34.9 22.0 33.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.472 min Scan# 435
Delta R.T. -0.001 min
Lab File: VY011064.D
Acq: 24 Oct 2022 13:20

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

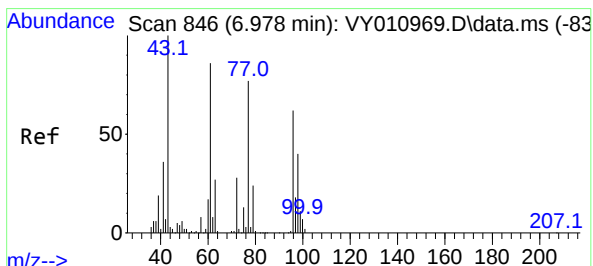
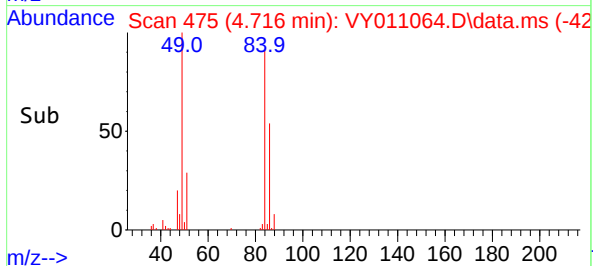
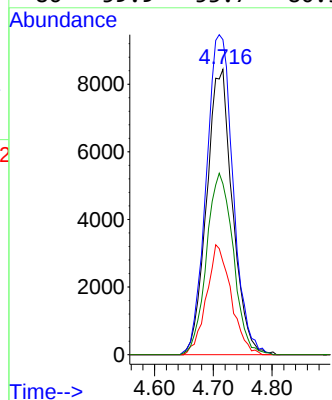
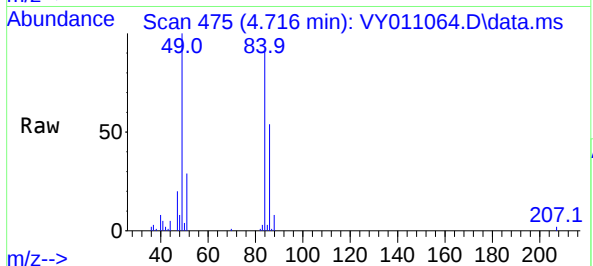




#20
Methylene Chloride
Concen: 4.508 ug/l
RT: 4.716 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY011064.D
Acq: 24 Oct 2022 13:20

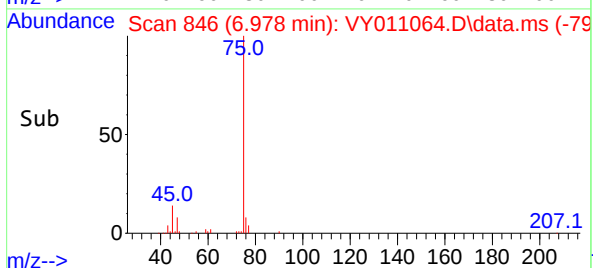
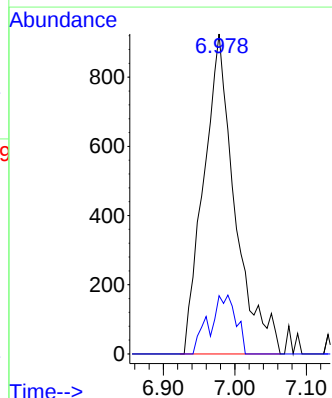
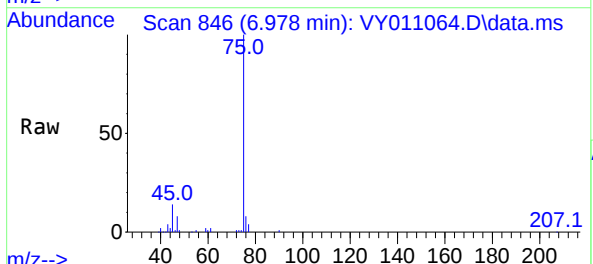
Instrument :
MSVOA_Y
ClientSampleId :
SB-K1-3.5-4.0RE

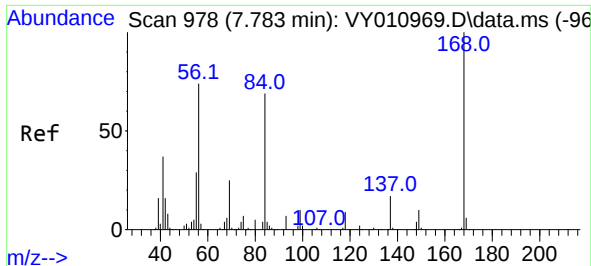
Tgt Ion: 84 Resp: 25875
Ion Ratio Lower Upper
84 100
49 110.4 114.4 171.6#
51 32.6 35.3 52.9#
86 59.9 53.7 80.5



#25
2-Butanone
Concen: 3.198 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.000 min
Lab File: VY011064.D
Acq: 24 Oct 2022 13:20

Tgt Ion: 43 Resp: 2808
Ion Ratio Lower Upper
43 100
72 18.2 17.7 26.5

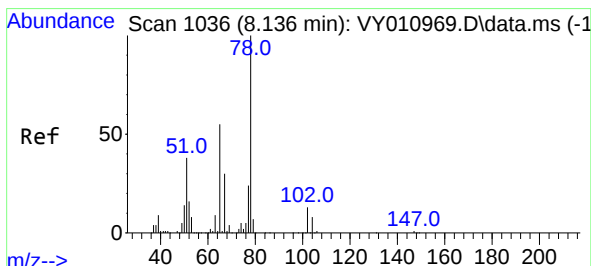
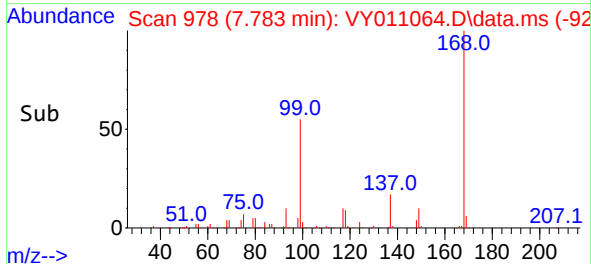
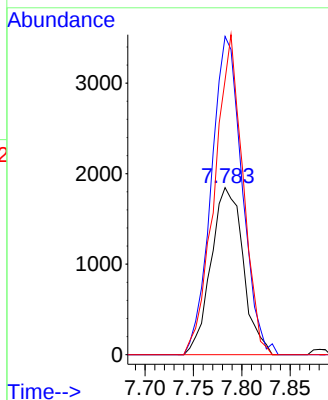
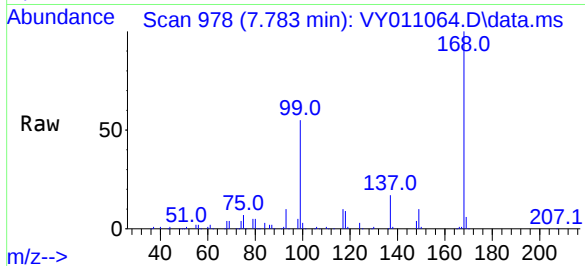




#31
Cyclohexane
Concen: 1.117 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011064.D
Acq: 24 Oct 2022 13:20

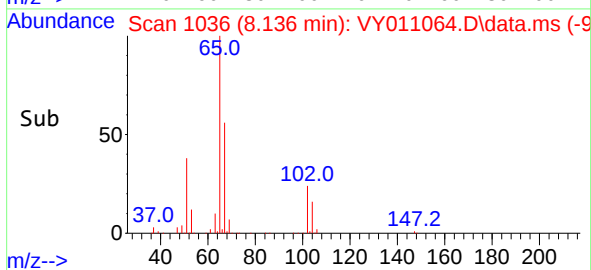
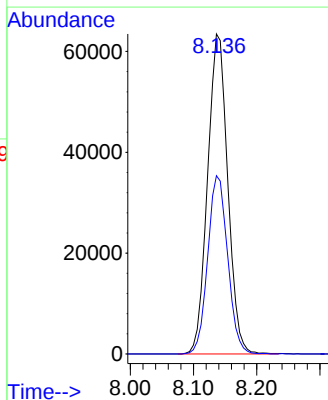
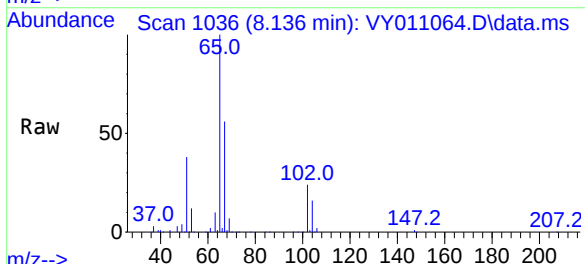
Instrument :
MSVOA_Y
ClientSampleId :
SB-K1-3.5-4.0RE

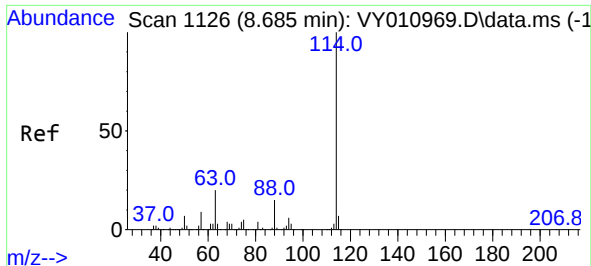
Tgt Ion: 56 Resp: 4262
Ion Ratio Lower Upper
56 100
69 190.5 26.7 40.1#
84 164.5 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 70.502 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY011064.D
Acq: 24 Oct 2022 13:20

Tgt Ion: 65 Resp: 140551
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: VY011064.D

Acq: 24 Oct 2022 13:20

Instrument :

MSVOA_Y

ClientSampleId :

SB-K1-3.5-4.0RE

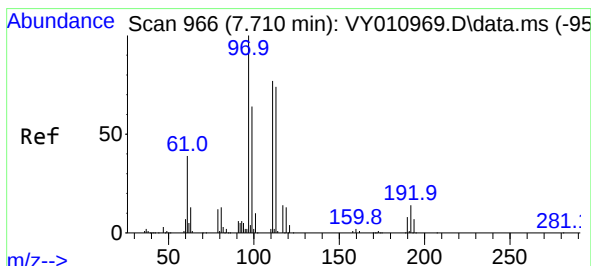
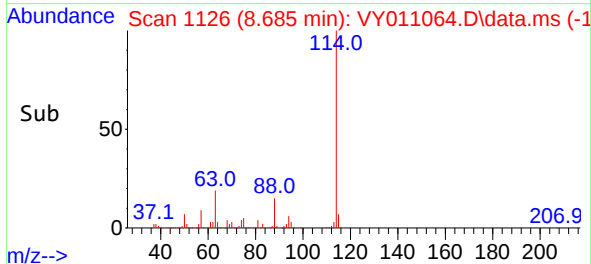
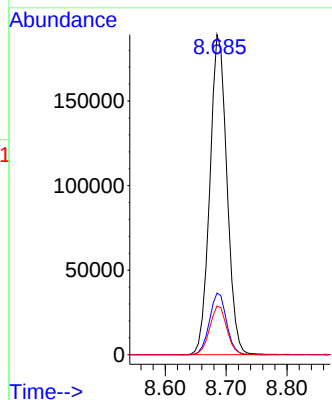
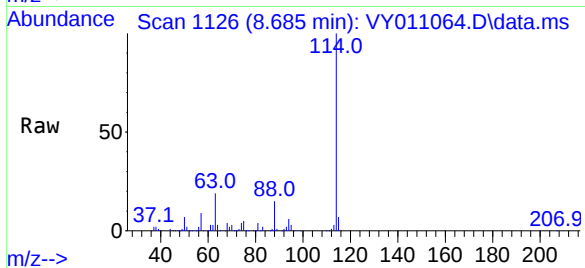
Tgt Ion:114 Resp: 368213

Ion Ratio Lower Upper

114 100

63 19.3 0.0 43.2

88 15.2 0.0 31.8



#35

Dibromofluoromethane

Concen: 71.795 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.006 min

Lab File: VY011064.D

Acq: 24 Oct 2022 13:20

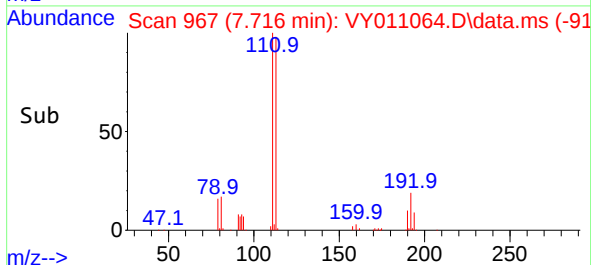
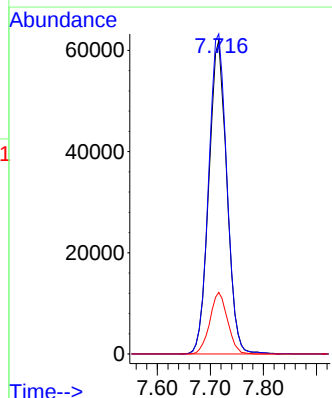
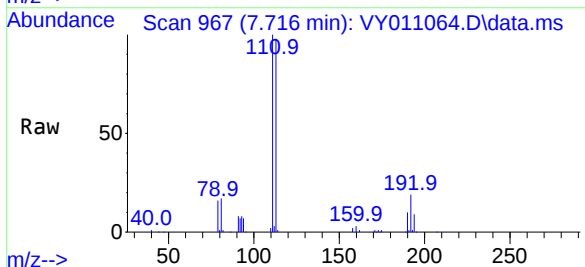
Tgt Ion:113 Resp: 145432

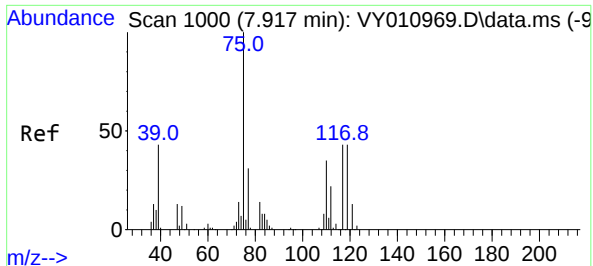
Ion Ratio Lower Upper

113 100

111 103.6 82.6 124.0

192 19.4 17.6 26.4

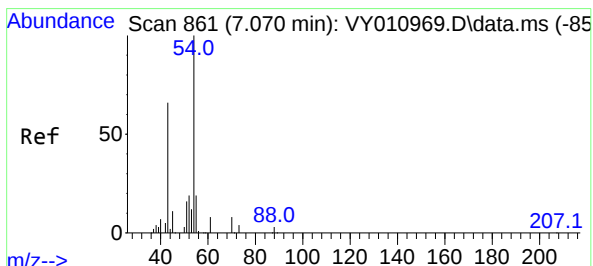
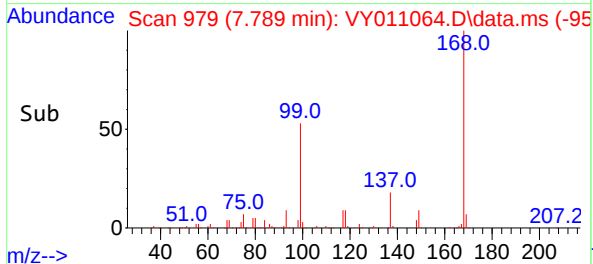
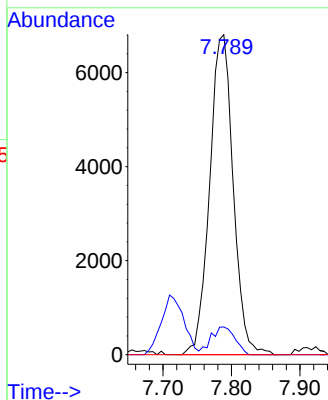
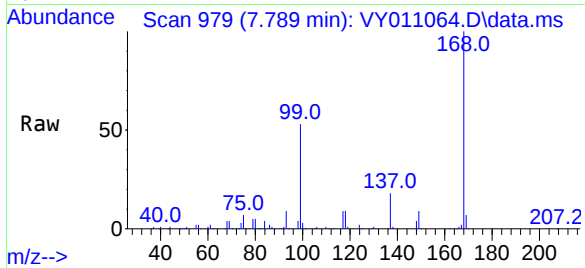




#36
1,1-Dichloropropene
Concen: 4.738 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY011064.D
Acq: 24 Oct 2022 13:20

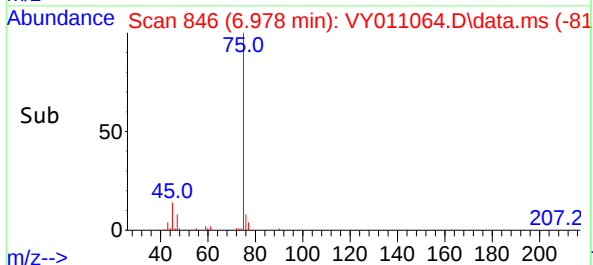
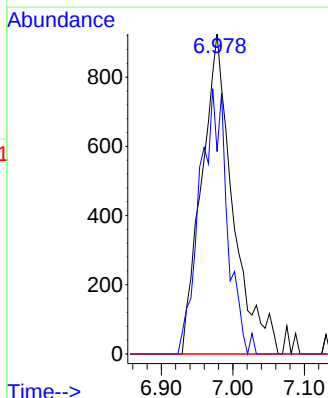
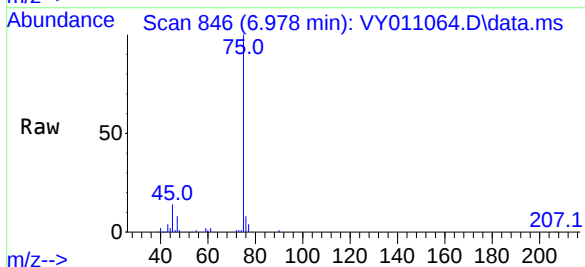
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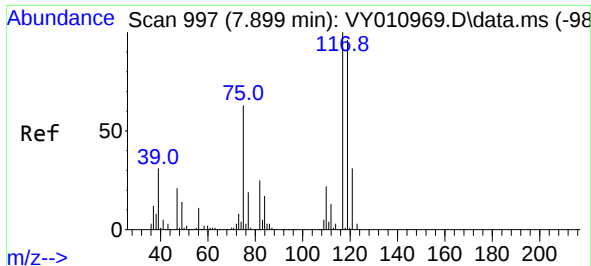
Tgt Ion: 75 Resp: 16242
Ion Ratio Lower Upper
75 100
110 8.7 17.1 51.2#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 1.480 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.092 min
Lab File: VY011064.D
Acq: 24 Oct 2022 13:20

Tgt Ion: 43 Resp: 2808
Ion Ratio Lower Upper
43 100
61 73.0 9.7 14.5#
70 0.0 7.1 10.7#

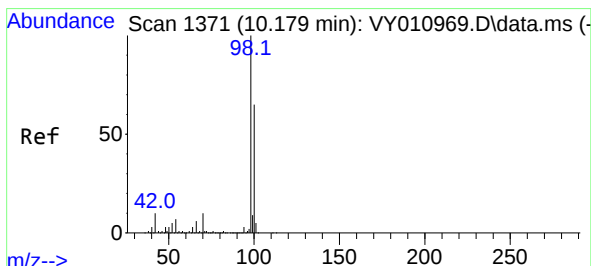
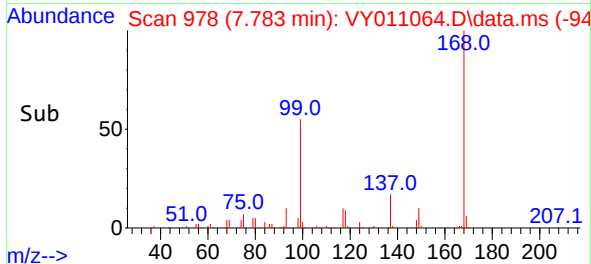
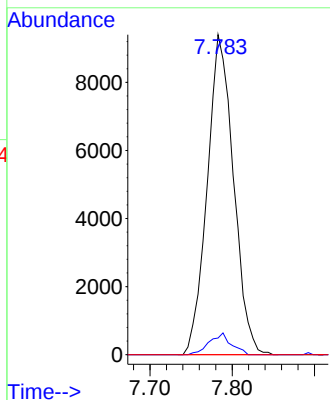
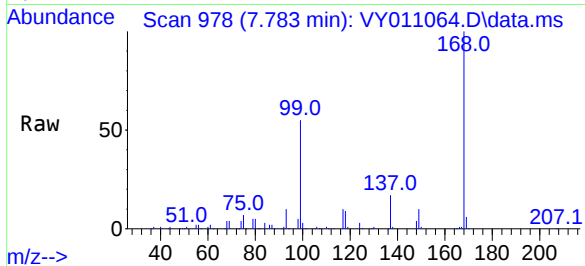




#38
Carbon Tetrachloride
Concen: 5.905 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY011064.D
Acq: 24 Oct 2022 13:20

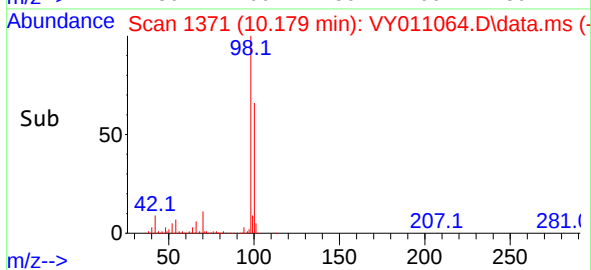
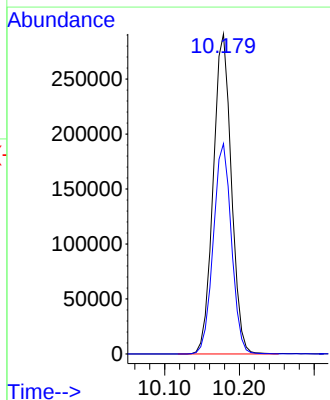
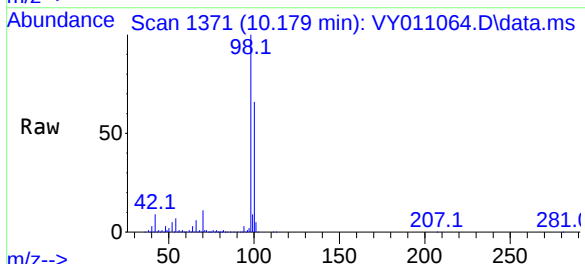
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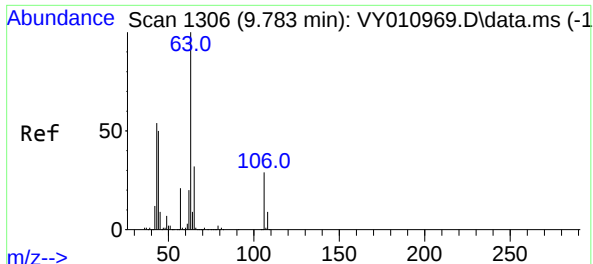
Tgt Ion:117 Resp: 20894
Ion Ratio Lower Upper
117 100
119 5.2 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 63.605 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011064.D
Acq: 24 Oct 2022 13:20

Tgt Ion: 98 Resp: 489013
Ion Ratio Lower Upper
98 100
100 65.8 50.2 75.2

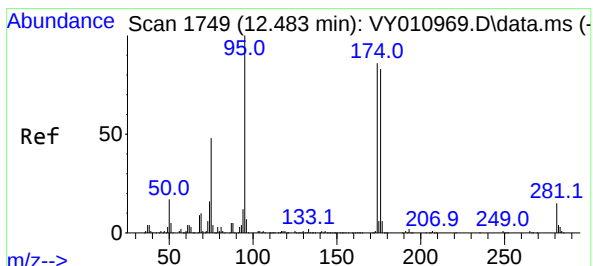
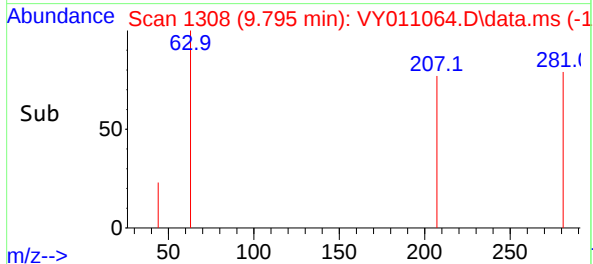
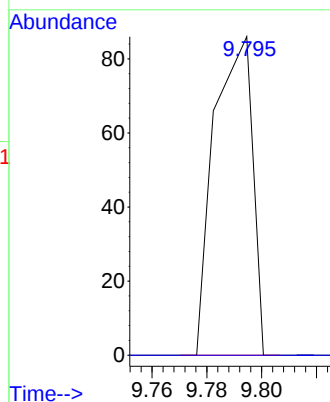
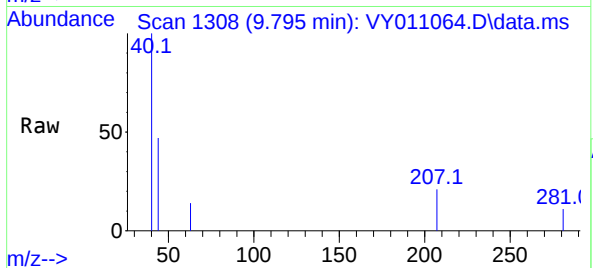




#58
2-Chloroethyl Vinyl ether
Concen: 17.018 ug/l
RT: 9.795 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY011064.D
Acq: 24 Oct 2022 13:20

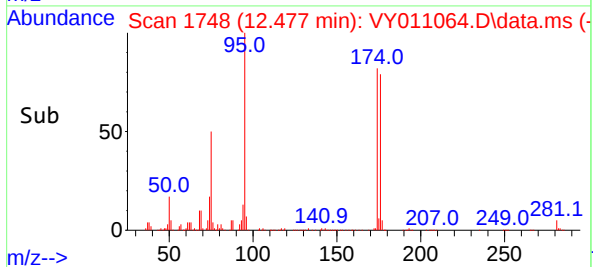
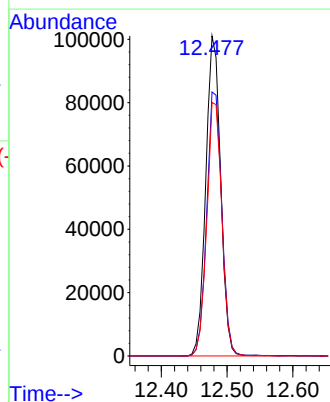
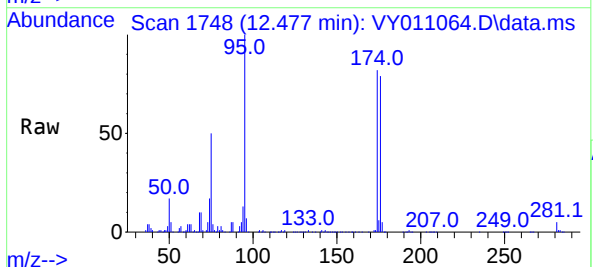
Instrument :
MSVOA_Y
ClientSampleId :
SB-K1-3.5-4.0RE

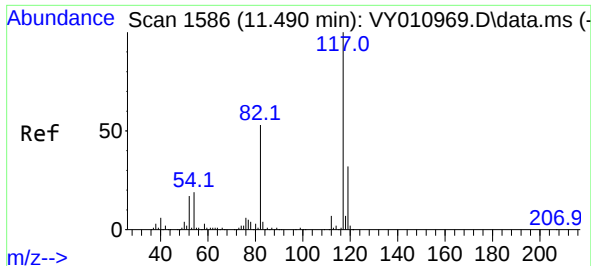
Tgt Ion: 63 Resp: 83
Ion Ratio Lower Upper
63 100
106 0.0 21.5 32.3#



#62
4-Bromofluorobenzene
Concen: 58.804 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY011064.D
Acq: 24 Oct 2022 13:20

Tgt Ion: 95 Resp: 158675
Ion Ratio Lower Upper
95 100
174 84.0 0.0 177.0
176 80.3 0.0 175.8

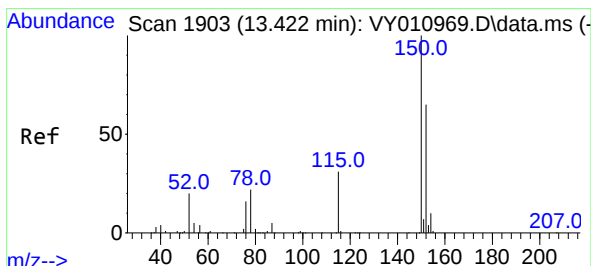
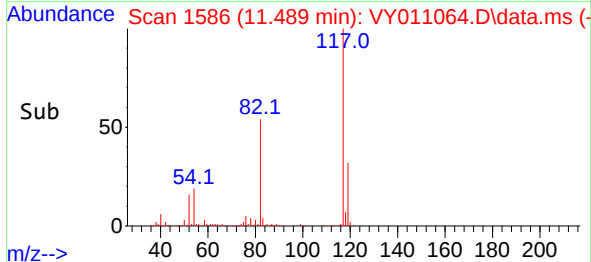
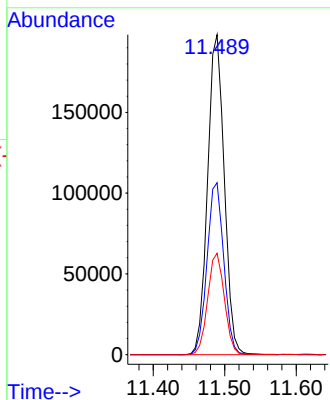
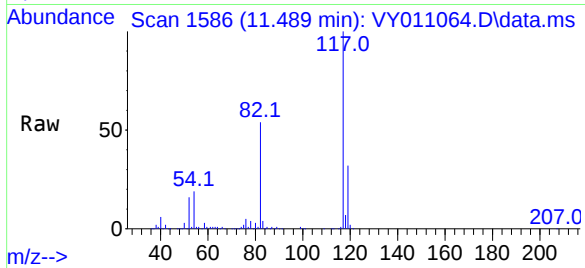




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY011064.D
Acq: 24 Oct 2022 13:20

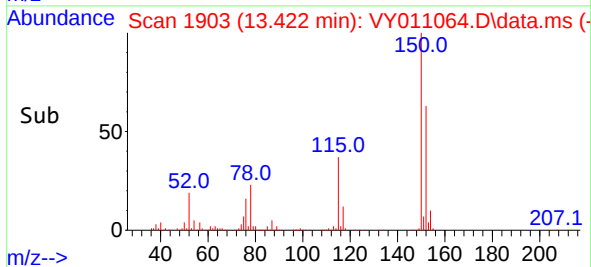
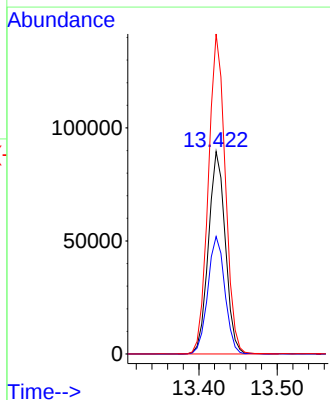
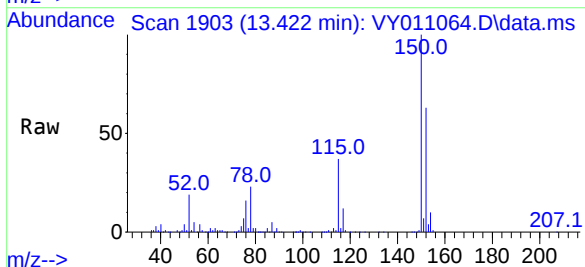
Instrument :
MSVOA_Y
ClientSampleId :
SB-K1-3.5-4.0RE

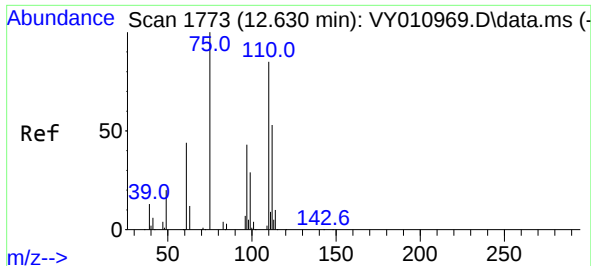
Tgt Ion:117 Resp: 320828
Ion Ratio Lower Upper
117 100
82 53.8 43.0 64.4
119 31.7 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY011064.D
Acq: 24 Oct 2022 13:20

Tgt Ion:152 Resp: 133863
Ion Ratio Lower Upper
152 100
115 58.8 28.2 84.7
150 158.7 0.0 347.6

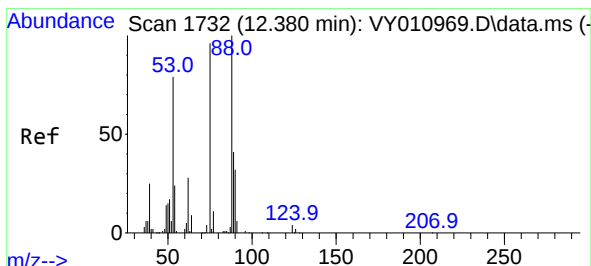
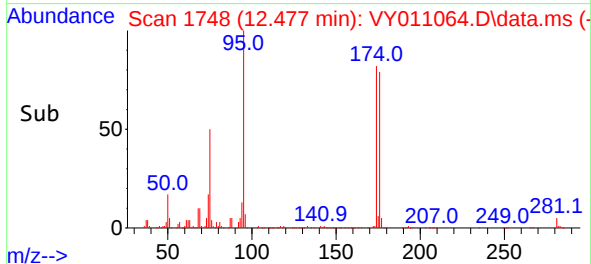
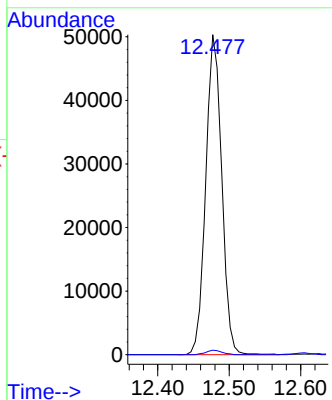
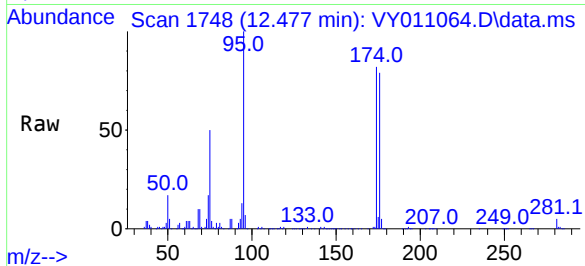




#76
1,2,3-Trichloropropane
Concen: 51.364 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY011064.D
Acq: 24 Oct 2022 13:20

Instrument :
MSVOA_Y
ClientSampleId :
SB-K1-3.5-4.0RE

Tgt Ion: 75 Resp: 78062
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 110.470 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.097 min
Lab File: VY011064.D
Acq: 24 Oct 2022 13:20

Tgt Ion: 75 Resp: 78062
Ion Ratio Lower Upper
75 100
53 0.1 85.3 127.9#
89 0.1 37.0 55.4#

