

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081123\
 Data File : VY015053.D
 Acq On : 11 Aug 2023 12:46
 Operator : SY/MD
 Sample : 03956-01
 Misc : 5.26g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-PP22

Quant Time: Aug 11 14:26:15 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080723S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 08 07:44:56 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

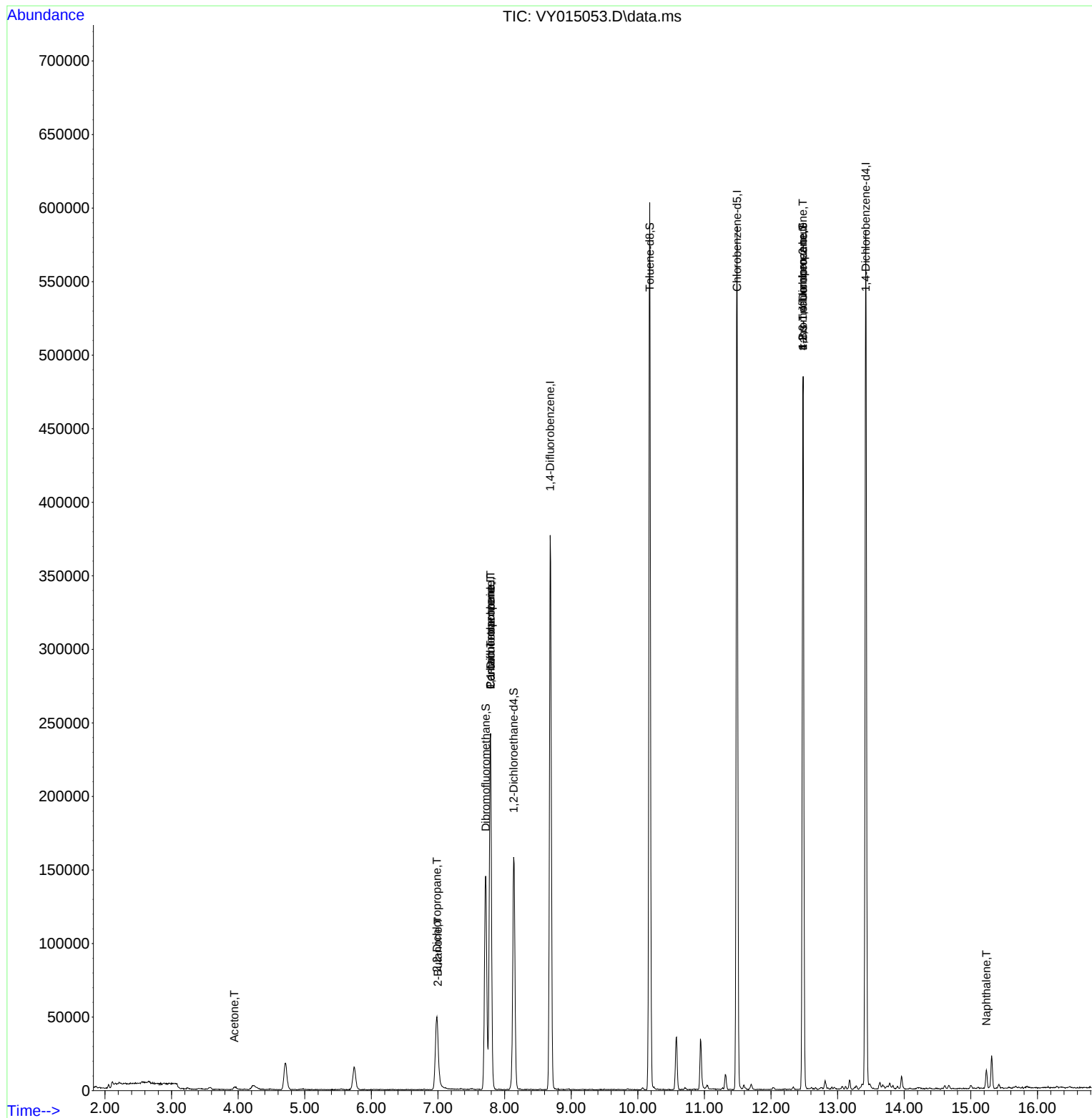
Internal Standards						
1) Pentafluorobenzene	7.789	168	193384	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	326541	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	315789	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	148951	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	124098	52.946	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	105.900%
35) Dibromofluoromethane	7.715	113	103724	49.672	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.340%
50) Toluene-d8	10.178	98	385538	48.507	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.020%
62) 4-Bromofluorobenzene	12.477	95	142392	50.549	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	101.100%
Target Compounds						
2) Dichlorodifluoromethane	1.899	85	64	Below Cal	#	43
5) Bromomethane	2.655	94	734	Below Cal	#	64
16) Acetone	3.942	43	3435	4.700	ug/l	98
20) Methylene Chloride	4.704	84	14170	Below Cal	#	89
25) 2-Butanone	6.996	43	3337	3.188	ug/l	# 73
26) 2,2-Dichloropropane	6.984	77	3800	1.117	ug/l	# 54
31) Cyclohexane	7.789	56	4001	Below Cal	#	1
36) 1,1-Dichloropropene	7.789	75	14327	5.526	ug/l	# 51
38) Carbon Tetrachloride	7.789	117	18528	6.357	ug/l	# 16
76) 1,2,3-Trichloropropane	12.477	75	76910	43.092	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.477	75	76910	94.933	ug/l	# 11
95) Naphthalene	15.232	128	10650	1.612	ug/l	98

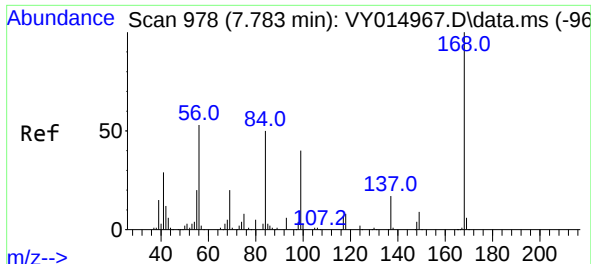
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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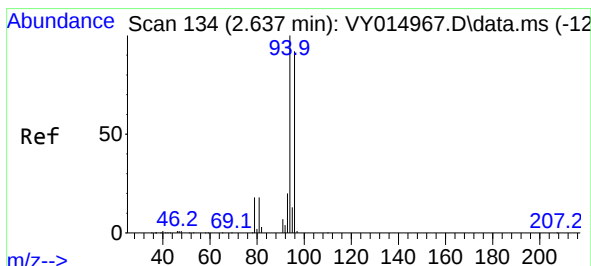
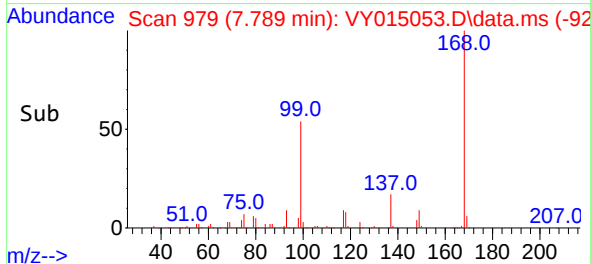
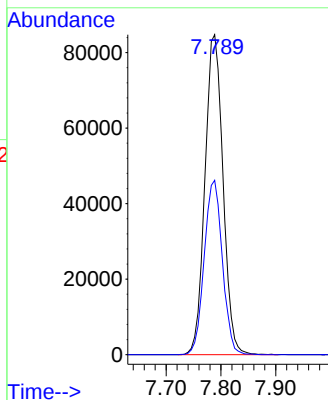
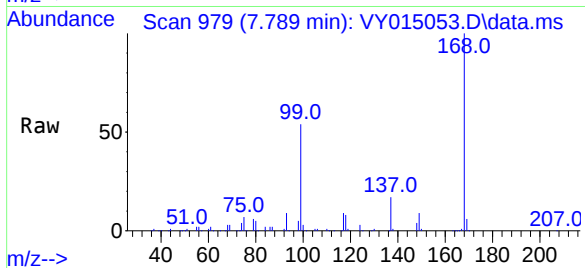




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015053.D
Acq: 11 Aug 2023 12:46

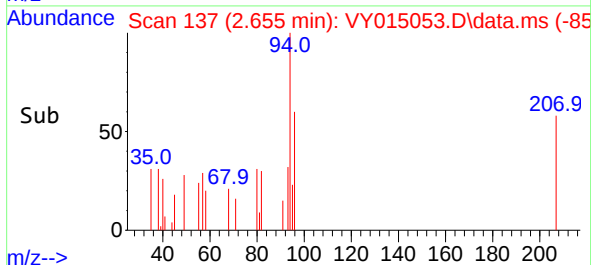
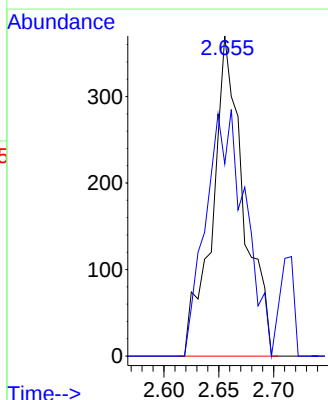
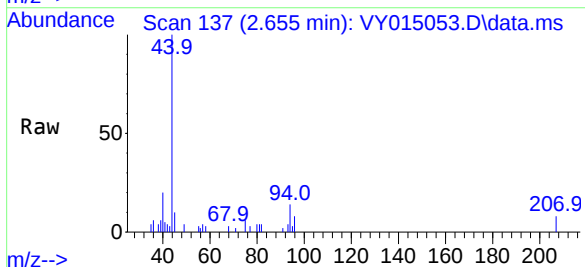
Instrument :
MSVOA_Y
ClientSampleId :
B-PP22

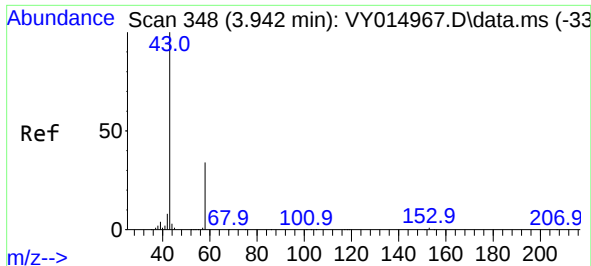
Tgt Ion:168 Resp: 193384
Ion Ratio Lower Upper
168 100
99 54.5 43.4 65.0



#5
Bromomethane
Concen: Below Cal
RT: 2.655 min Scan# 137
Delta R.T. 0.018 min
Lab File: VY015053.D
Acq: 11 Aug 2023 12:46

Tgt Ion: 94 Resp: 734
Ion Ratio Lower Upper
94 100
96 60.0 75.8 113.6#

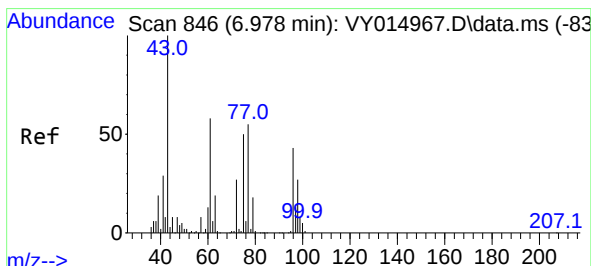
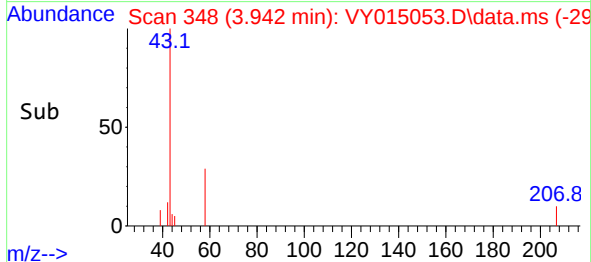
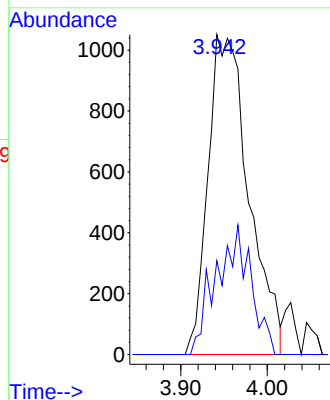
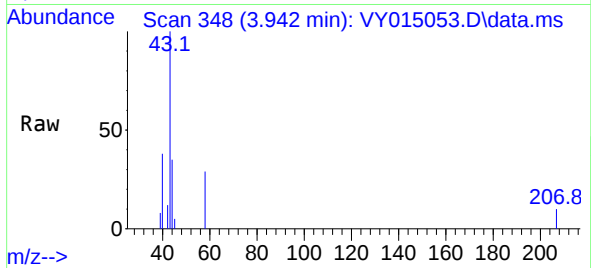




#16
Acetone
Concen: 4.700 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.000 min
Lab File: VY015053.D
Acq: 11 Aug 2023 12:46

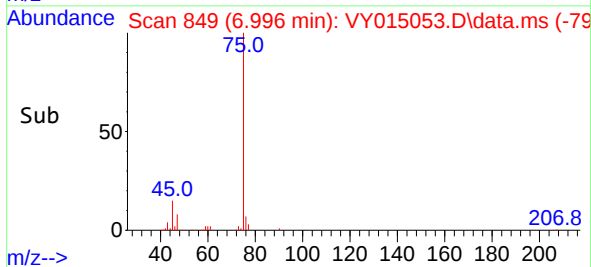
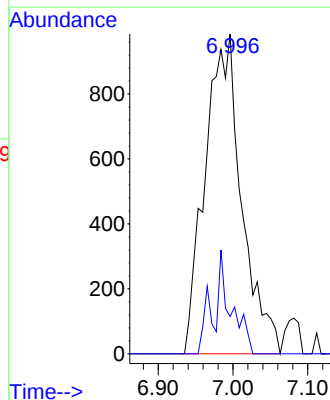
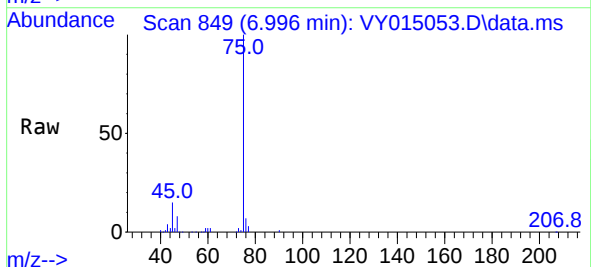
Instrument :
MSVOA_Y
ClientSampleId :
B-PP22

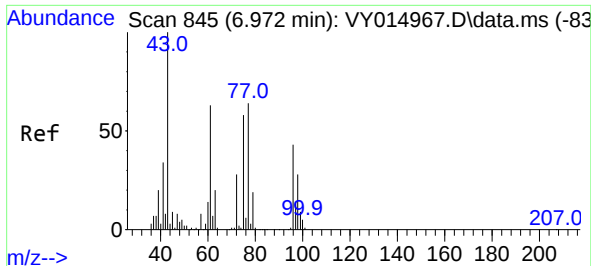
Tgt Ion: 43 Resp: 3435
Ion Ratio Lower Upper
43 100
58 29.3 22.7 34.1



#25
2-Butanone
Concen: 3.188 ug/l
RT: 6.996 min Scan# 849
Delta R.T. 0.018 min
Lab File: VY015053.D
Acq: 11 Aug 2023 12:46

Tgt Ion: 43 Resp: 3337
Ion Ratio Lower Upper
43 100
72 11.7 20.5 30.7#

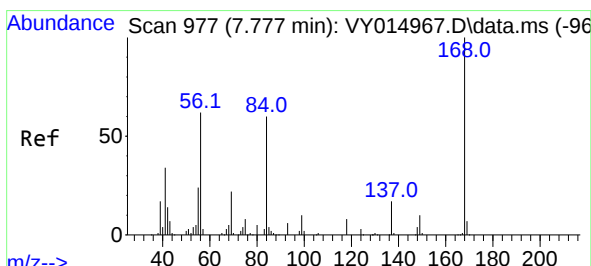
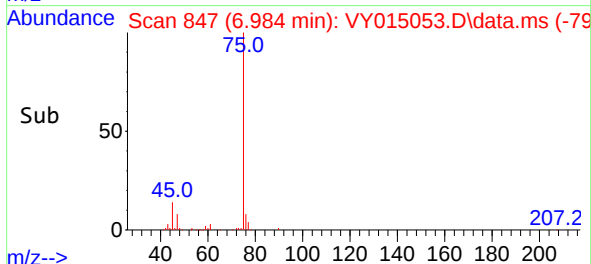
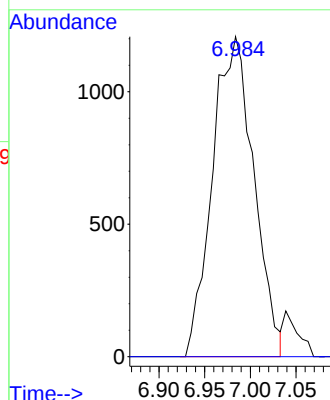
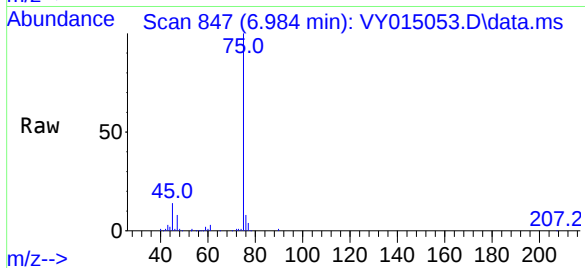




#26
2,2-Dichloropropane
Concen: 1.117 ug/l
RT: 6.984 min Scan# 845
Delta R.T. 0.012 min
Lab File: VY015053.D
Acq: 11 Aug 2023 12:46

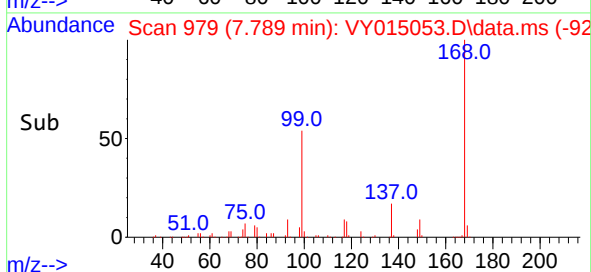
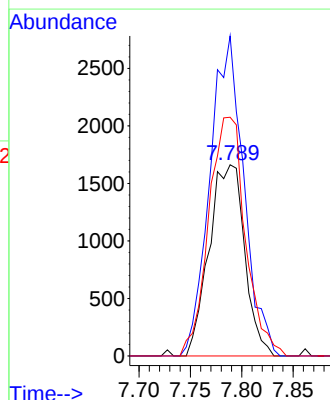
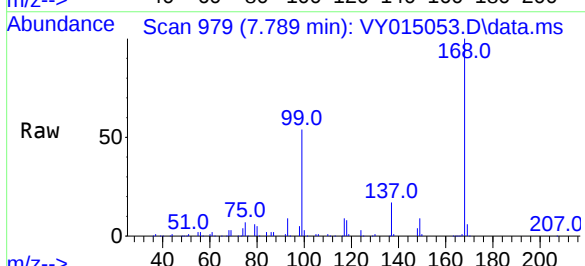
Instrument :
MSVOA_Y
ClientSampleId :
B-PP22

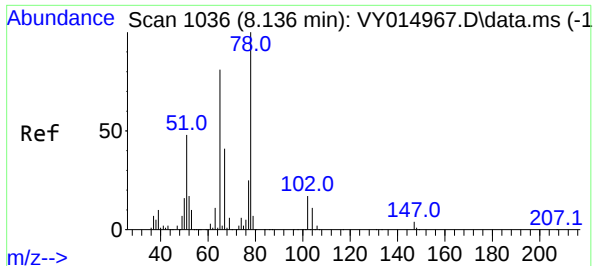
Tgt Ion: 77 Resp: 3800
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#



#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 979
Delta R.T. 0.012 min
Lab File: VY015053.D
Acq: 11 Aug 2023 12:46

Tgt Ion: 56 Resp: 4001
Ion Ratio Lower Upper
56 100
69 167.3 27.8 41.6#
84 124.8 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 52.946 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.000 min

Lab File: VY015053.D

Acq: 11 Aug 2023 12:46

Instrument :

MSVOA_Y

ClientSampleId :

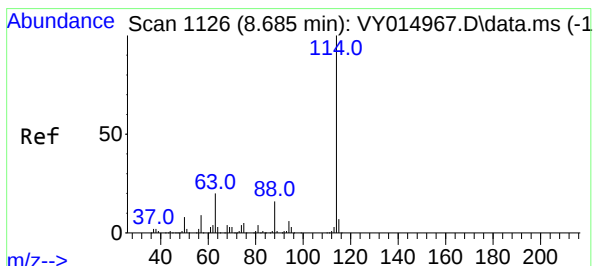
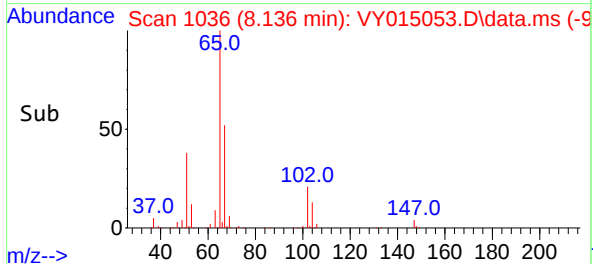
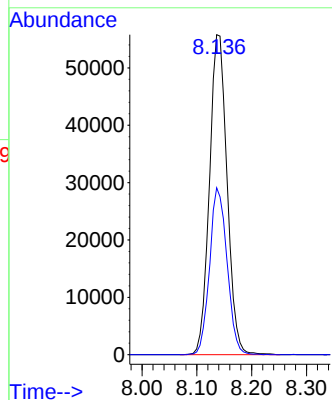
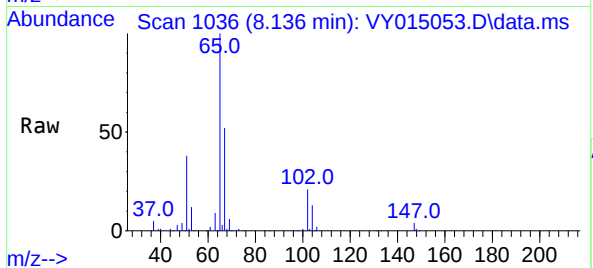
B-PP22

Tgt Ion: 65 Resp: 124098

Ion Ratio Lower Upper

65 100

67 51.7 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VY015053.D

Acq: 11 Aug 2023 12:46

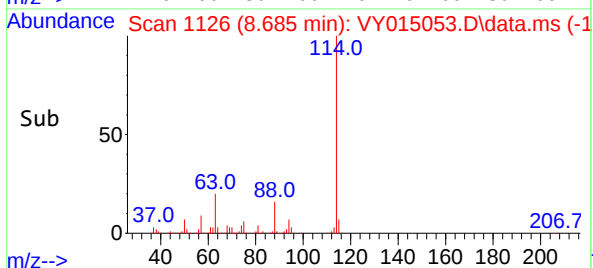
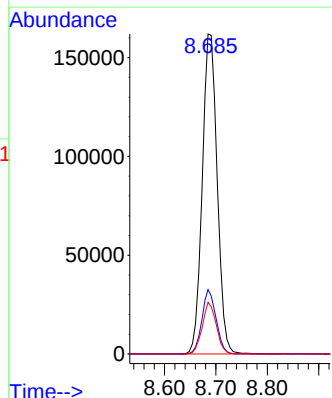
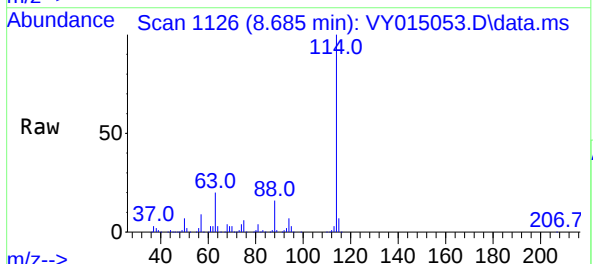
Tgt Ion:114 Resp: 326541

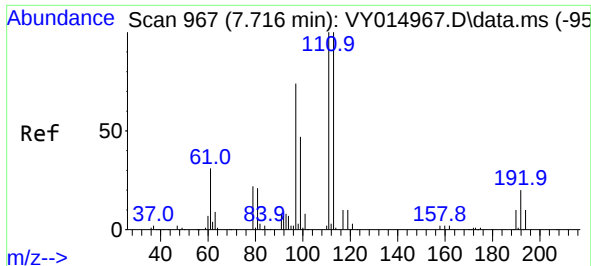
Ion Ratio Lower Upper

114 100

63 20.1 0.0 42.4

88 16.1 0.0 30.6

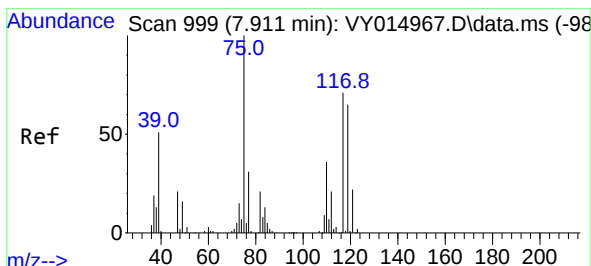
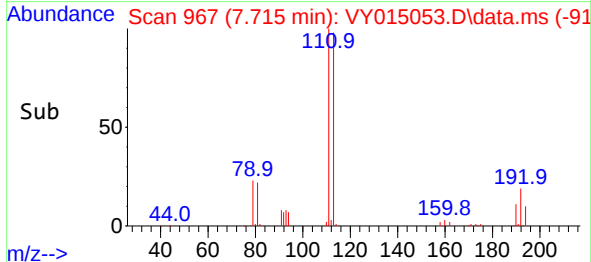
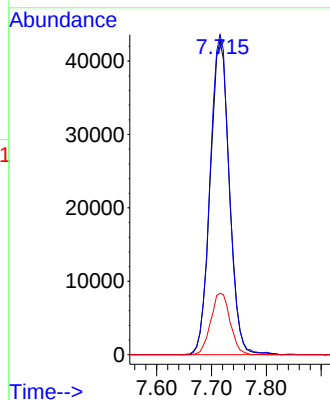
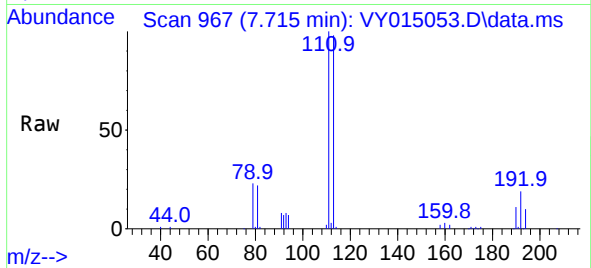




#35
Dibromofluoromethane
Concen: 49.672 ug/l
RT: 7.715 min Scan# 910
Delta R.T. -0.000 min
Lab File: VY015053.D
Acq: 11 Aug 2023 12:46

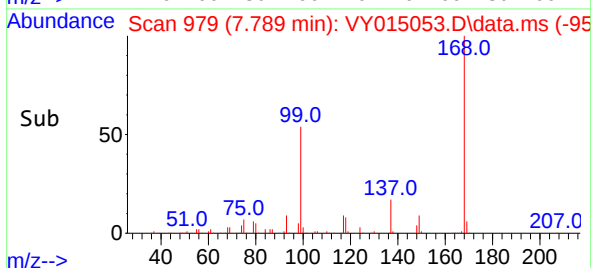
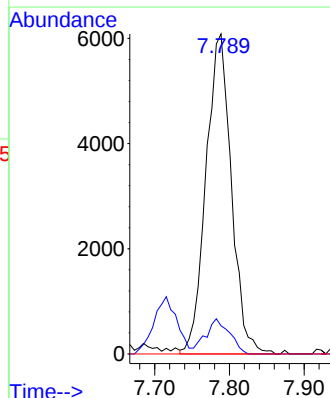
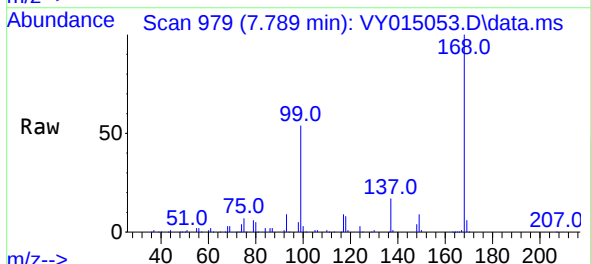
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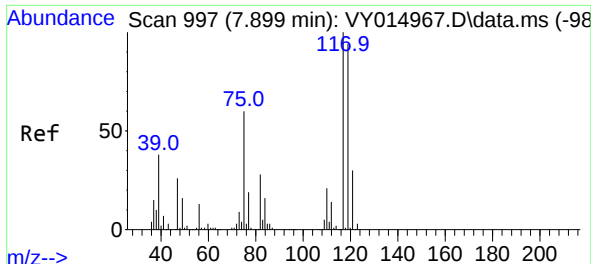
Tgt Ion:113 Resp: 103724
Ion Ratio Lower Upper
113 100
111 101.6 81.3 121.9
192 19.7 16.9 25.3



#36
1,1-Dichloropropene
Concen: 5.526 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.122 min
Lab File: VY015053.D
Acq: 11 Aug 2023 12:46

Tgt Ion: 75 Resp: 14327
Ion Ratio Lower Upper
75 100
110 10.2 17.8 53.5#
77 0.0 24.4 36.6#

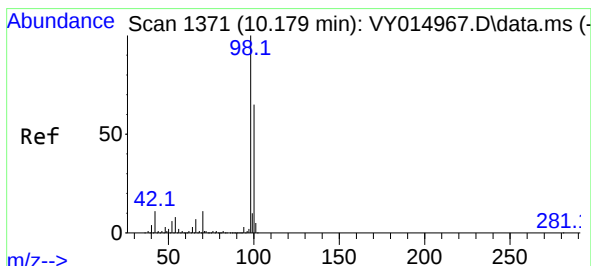
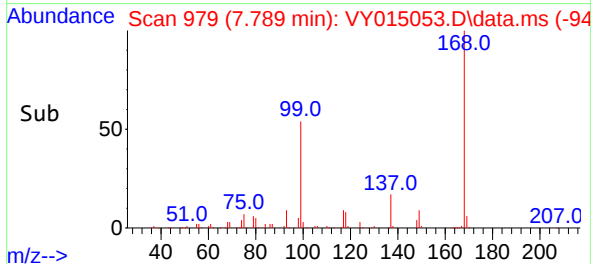
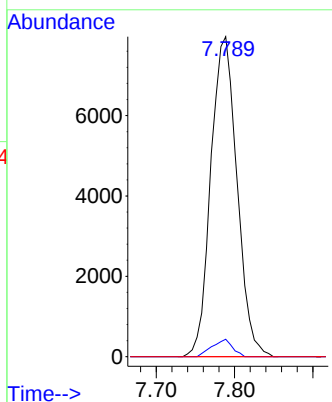
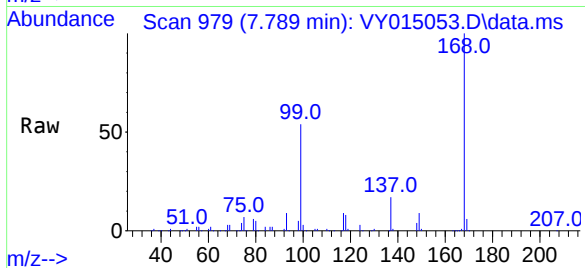




#38
Carbon Tetrachloride
Concen: 6.357 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY015053.D
Acq: 11 Aug 2023 12:46

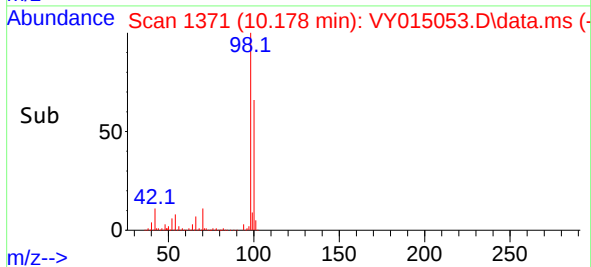
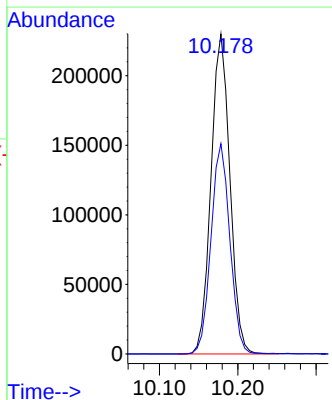
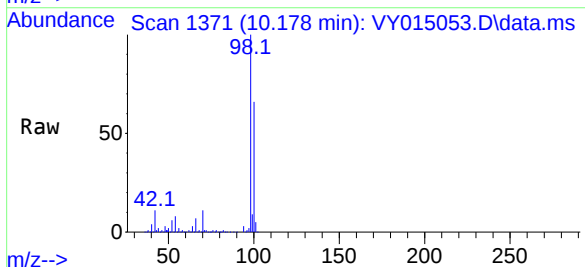
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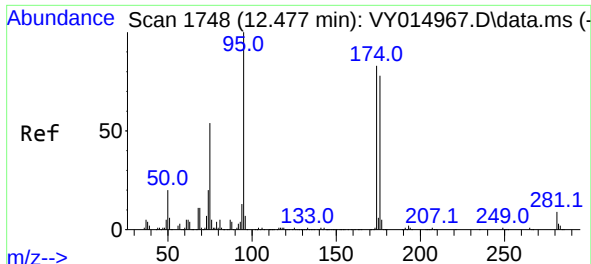
Tgt Ion:117 Resp: 18528
Ion Ratio Lower Upper
117 100
119 5.4 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 48.507 ug/l
RT: 10.178 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY015053.D
Acq: 11 Aug 2023 12:46

Tgt Ion: 98 Resp: 385538
Ion Ratio Lower Upper
98 100
100 65.7 50.1 75.1

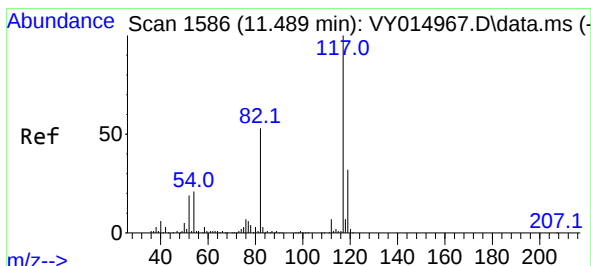
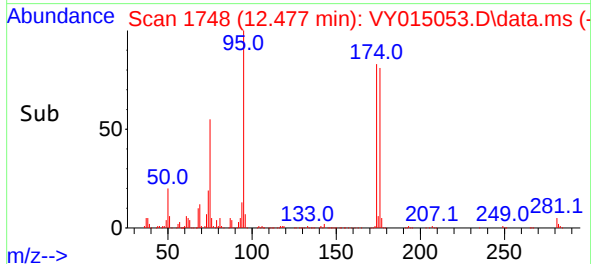
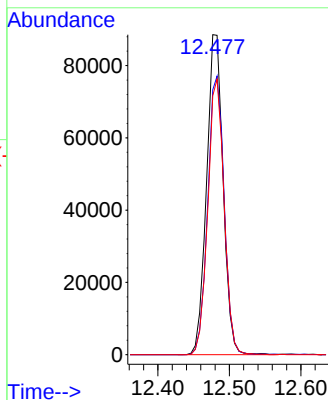
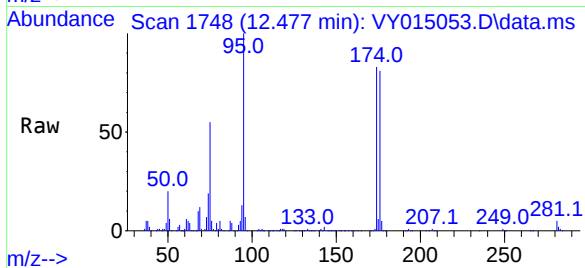




#62
4-Bromofluorobenzene
Concen: 50.549 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY015053.D
Acq: 11 Aug 2023 12:46

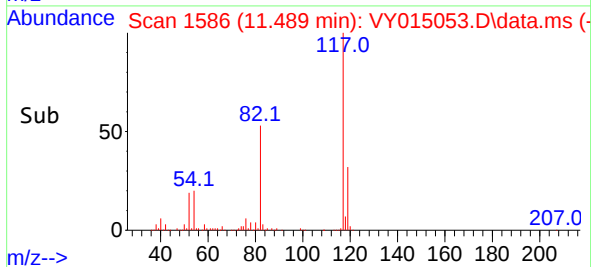
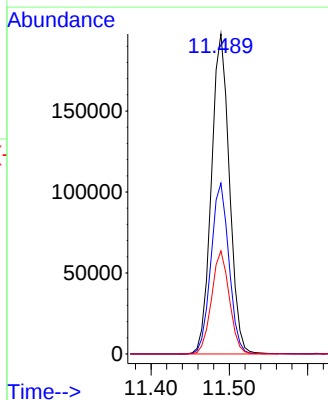
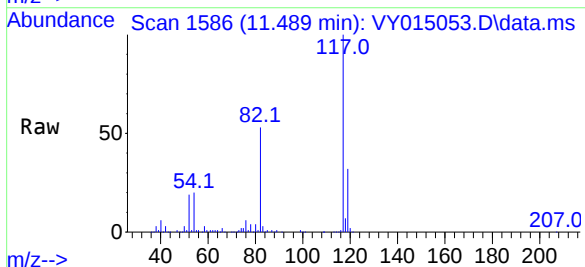
Instrument :
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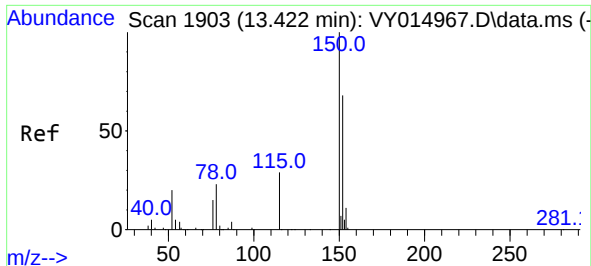
Tgt Ion: 95 Resp: 142392
Ion Ratio Lower Upper
95 100
174 86.6 0.0 178.2
176 84.4 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY015053.D
Acq: 11 Aug 2023 12:46

Tgt Ion: 117 Resp: 315789
Ion Ratio Lower Upper
117 100
82 53.4 43.4 65.0
119 32.2 26.3 39.5

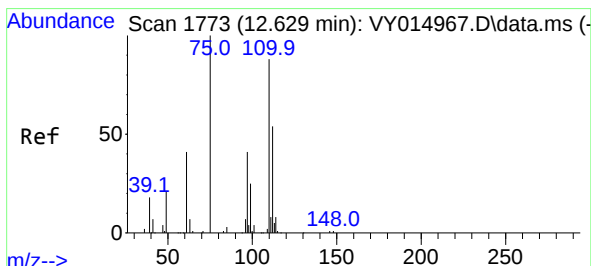
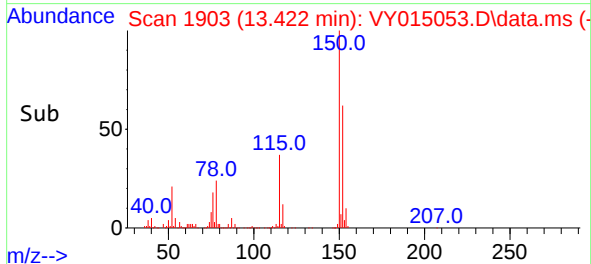
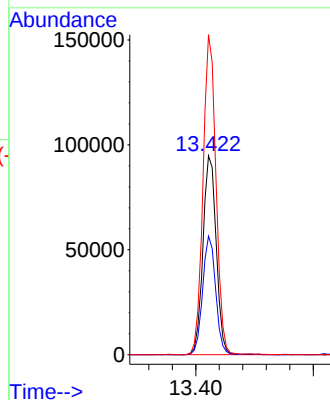
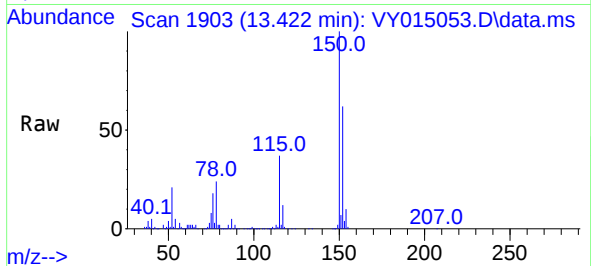




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY015053.D
Acq: 11 Aug 2023 12:46

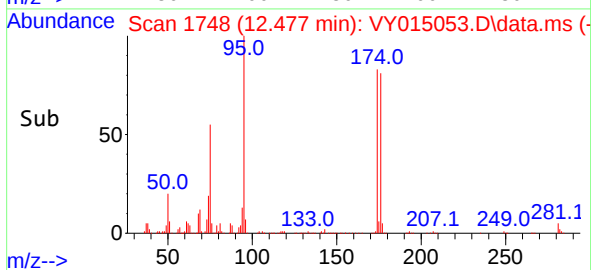
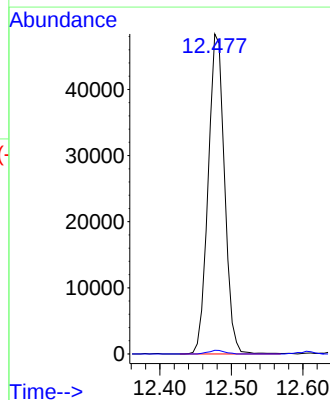
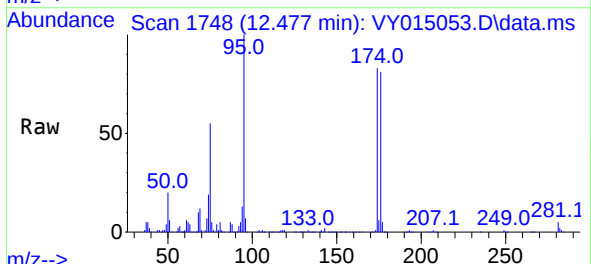
Instrument :
MSVOA_Y
ClientSampleId :
B-PP22

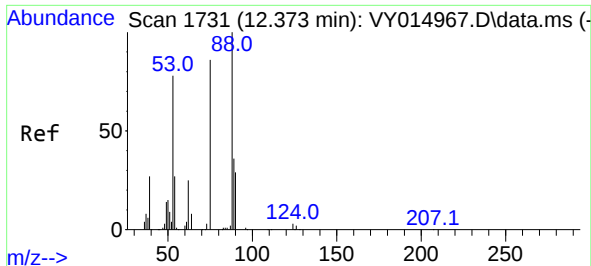
Tgt Ion:152 Resp: 148951
Ion Ratio Lower Upper
152 100
115 58.5 28.8 86.5
150 156.9 0.0 348.8



#76
1,2,3-Trichloropropane
Concen: 43.092 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY015053.D
Acq: 11 Aug 2023 12:46

Tgt Ion: 75 Resp: 76910
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#

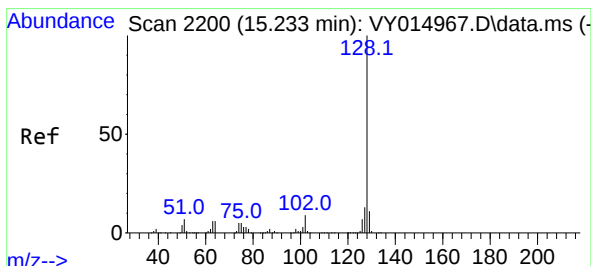
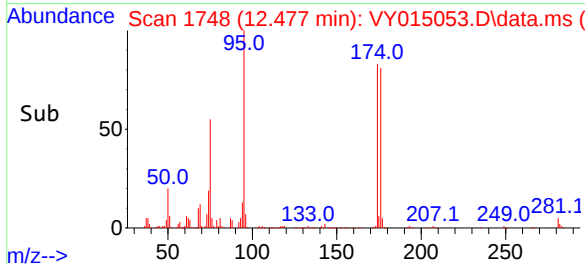
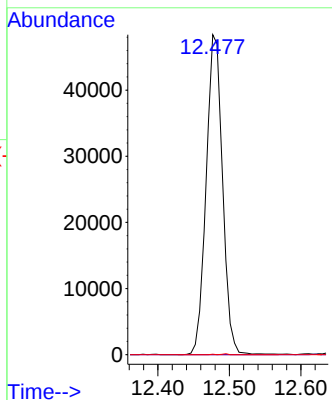
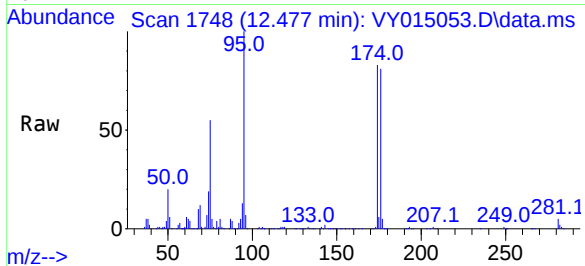




#81
trans-1,4-Dichloro-2-butene
Concen: 94.933 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.103 min
Lab File: VY015053.D
Acq: 11 Aug 2023 12:46

Instrument :
MSVOA_Y
ClientSampleId :
B-PP22

Tgt Ion: 75 Resp: 76910
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.1 37.4 56.0#



#95
Naphthalene
Concen: 1.612 ug/l
RT: 15.232 min Scan# 2200
Delta R.T. -0.000 min
Lab File: VY015053.D
Acq: 11 Aug 2023 12:46

Tgt Ion:128 Resp: 10650
Ion Ratio Lower Upper
128 100
127 12.5 10.8 16.2
129 10.1 8.6 13.0

