

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060523\
 Data File : VY014003.D
 Acq On : 05 Jun 2023 13:36
 Operator : KP/MD
 Sample : 03002-06
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB03

Quant Time: Jun 05 15:33:24 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060123S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 02 07:00:14 2023
 Response via : Initial Calibration

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

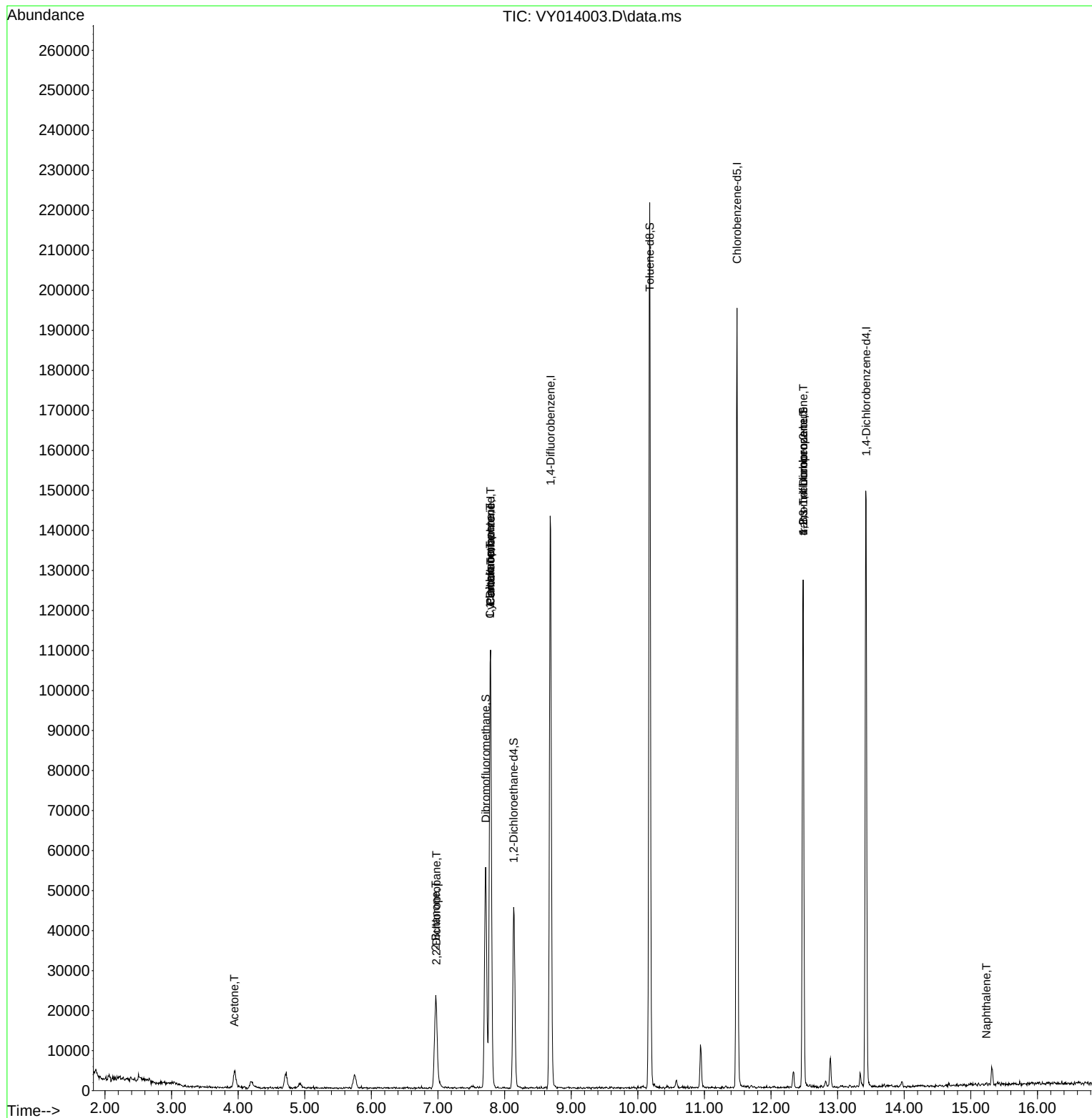
Internal Standards						
1) Pentafluorobenzene	7.789	168	84951	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	120427	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	102260	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	39056	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	37444	33.297	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	66.600%		
35) Dibromofluoromethane	7.716	113	37209	48.618	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.240%		
50) Toluene-d8	10.179	98	141964	48.630	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	97.260%		
62) 4-Bromofluorobenzene	12.483	95	37002	37.179	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	74.360%		
Target Compounds					Qvalue	
16) Acetone	3.942	43	7478	19.436	ug/l	94
20) Methylene Chloride	4.710	84	2698	Below Cal	#	80
25) 2-Butanone	6.966	43	778	1.623	ug/l #	88
26) 2,2-Dichloropropane	6.978	77	2024	1.301	ug/l #	54
31) Cyclohexane	7.783	56	1869	1.380	ug/l #	17
36) 1,1-Dichloropropene	7.783	75	6572	6.027	ug/l #	50
38) Carbon Tetrachloride	7.789	117	7994	6.543	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	19980	38.016	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	19980	80.650	ug/l #	10
95) Naphthalene	15.233	128	616	4.192	ug/l #	85

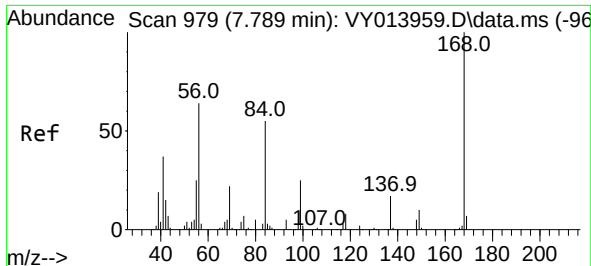
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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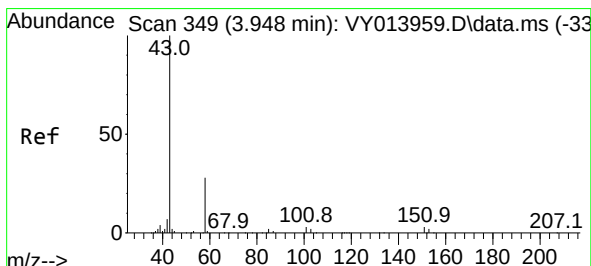
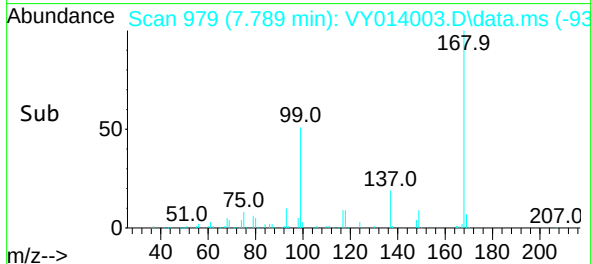
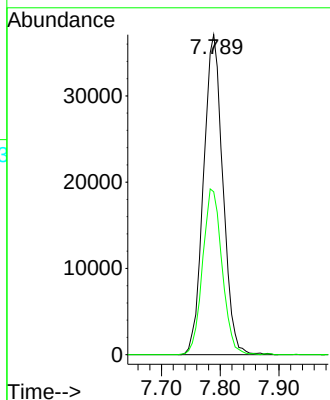
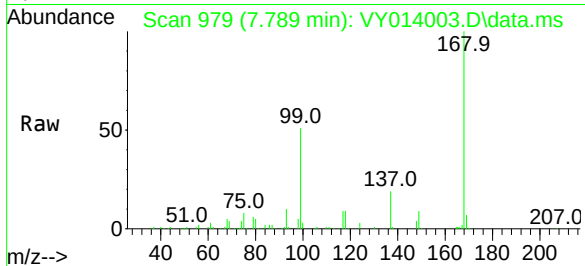




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014003.D
Acq: 05 Jun 2023 13:36

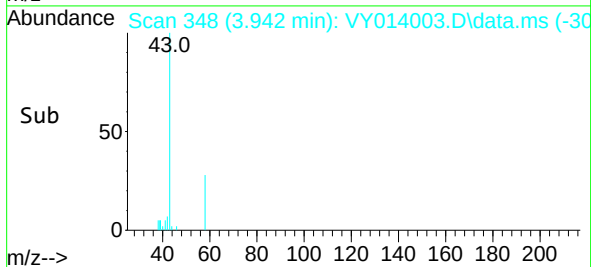
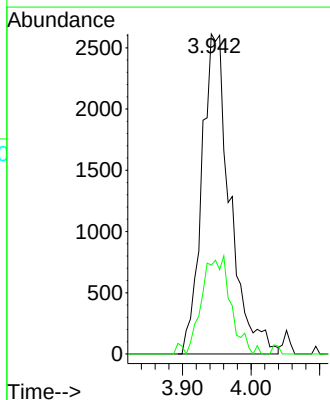
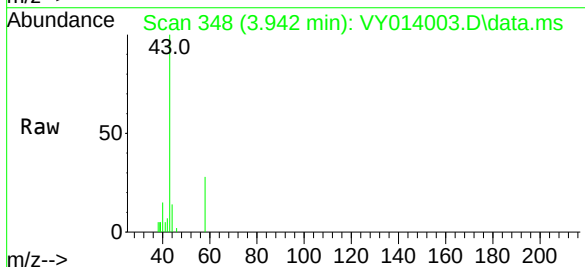
Instrument :
MSVOA_Y
ClientSampleId :
SB03

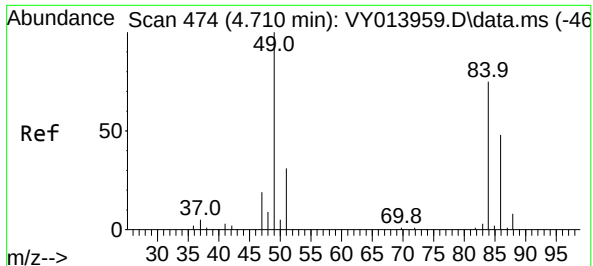
Tgt Ion:168 Resp: 84951
Ion Ratio Lower Upper
168 100
99 50.9 43.4 65.0



#16
Acetone
Concen: 19.436 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.006 min
Lab File: VY014003.D
Acq: 05 Jun 2023 13:36

Tgt Ion: 43 Resp: 7478
Ion Ratio Lower Upper
43 100
58 25.3 22.7 34.1





#20

Methylene Chloride

Concen: Below Cal

RT: 4.710 min Scan# 41

Delta R.T. 0.000 min

Lab File: VY014003.D

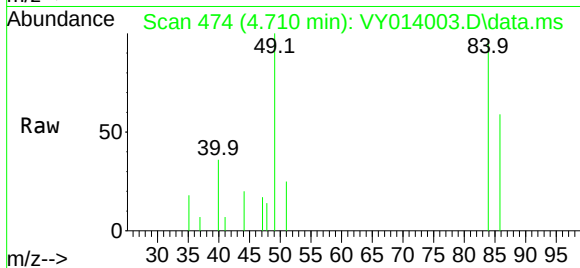
Acq: 05 Jun 2023 13:36

Instrument :

MSVOA_Y

ClientSampleId :

SB03



Tgt Ion: 84 Resp: 2698

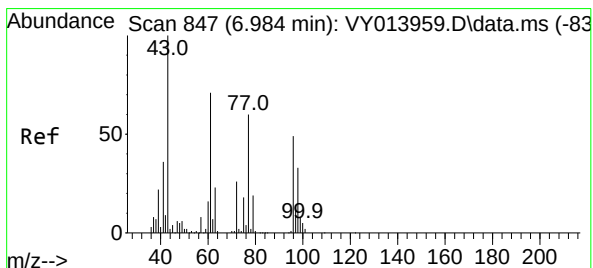
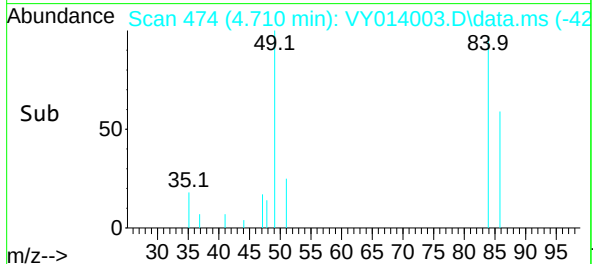
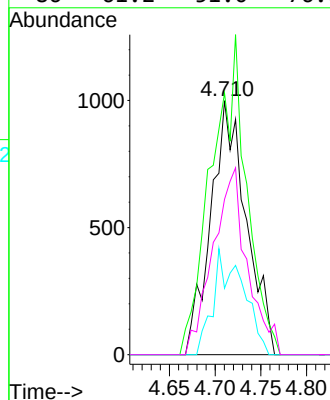
Ion Ratio Lower Upper

84 100

49 103.0 106.9 160.3#

51 26.1 33.2 49.8#

86 61.2 51.0 76.6



#25

2-Butanone

Concen: 1.623 ug/l

RT: 6.966 min Scan# 844

Delta R.T. -0.018 min

Lab File: VY014003.D

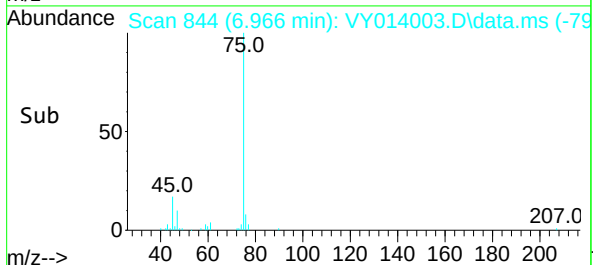
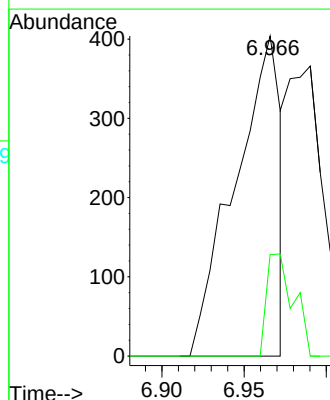
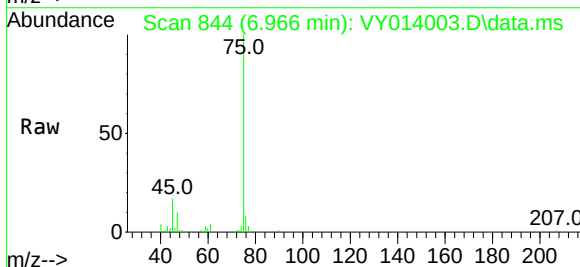
Acq: 05 Jun 2023 13:36

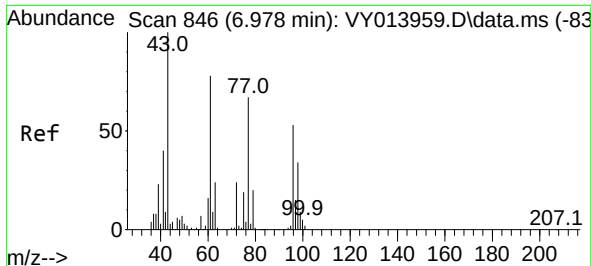
Tgt Ion: 43 Resp: 778

Ion Ratio Lower Upper

43 100

72 31.7 20.5 30.7#

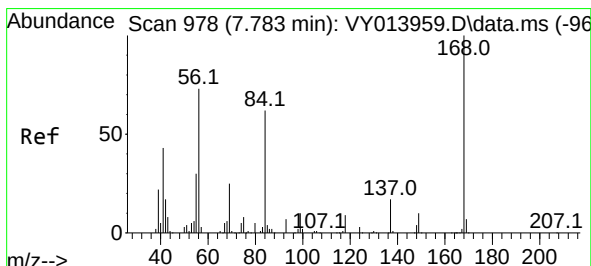
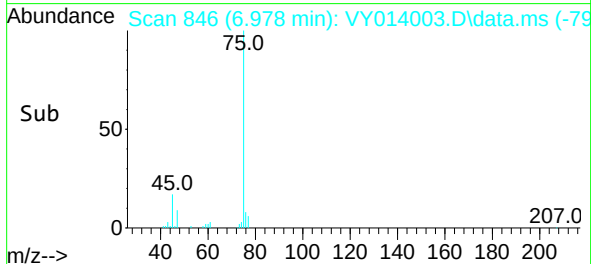
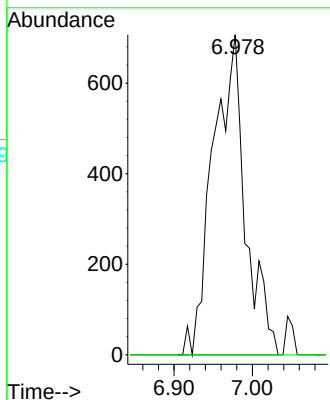
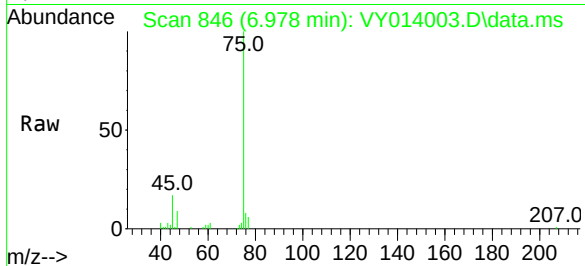




#26
2,2-Dichloropropane
Concen: 1.301 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.000 min
Lab File: VY014003.D
Acq: 05 Jun 2023 13:36

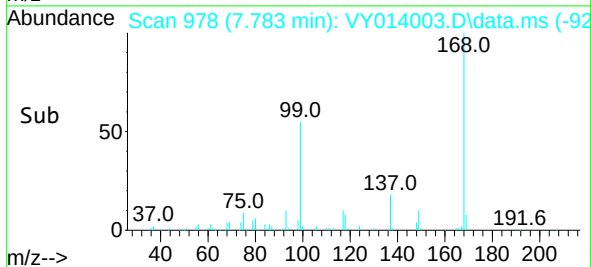
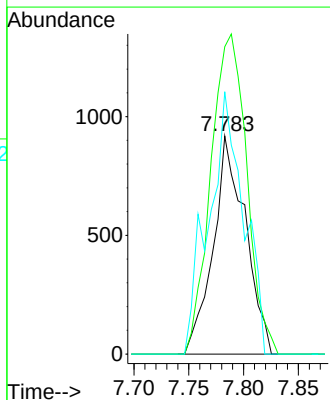
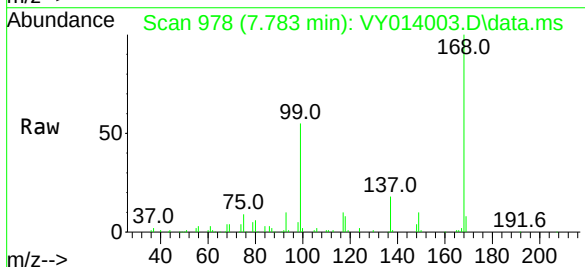
Instrument :
MSVOA_Y
ClientSampleId :
SB03

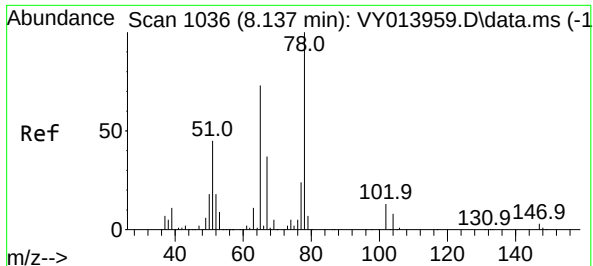
Tgt Ion: 77 Resp: 2024
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#



#31
Cyclohexane
Concen: 1.380 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.000 min
Lab File: VY014003.D
Acq: 05 Jun 2023 13:36

Tgt Ion: 56 Resp: 1869
Ion Ratio Lower Upper
56 100
69 141.0 27.8 41.6#
84 120.4 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 33.297 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.000 min

Lab File: VY014003.D

Acq: 05 Jun 2023 13:36

Instrument :

MSVOA_Y

ClientSampleId :

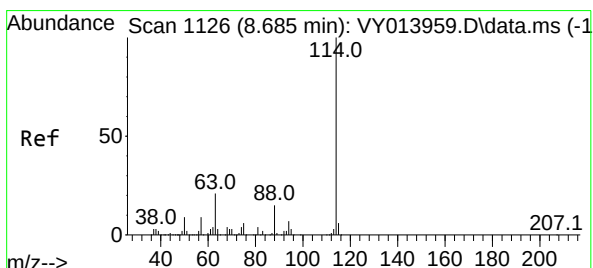
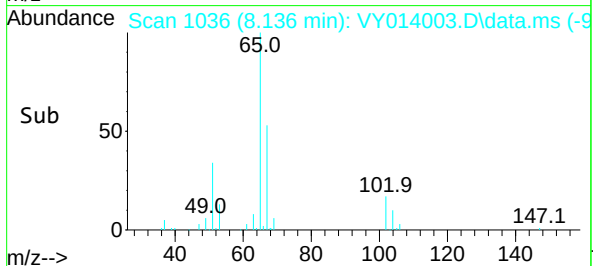
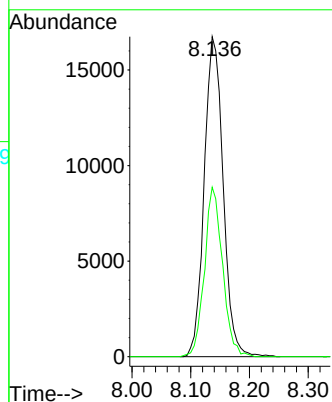
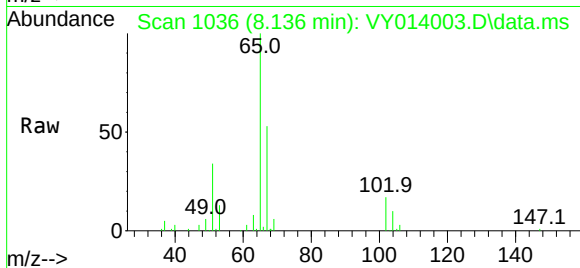
SB03

Tgt Ion: 65 Resp: 37444

Ion Ratio Lower Upper

65 100

67 50.7 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY014003.D

Acq: 05 Jun 2023 13:36

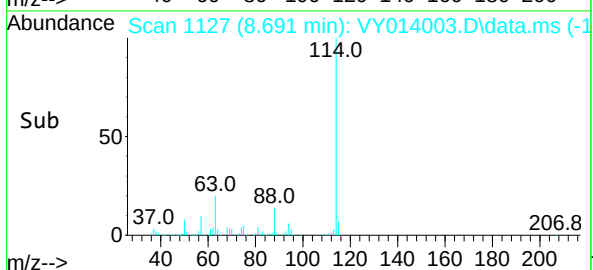
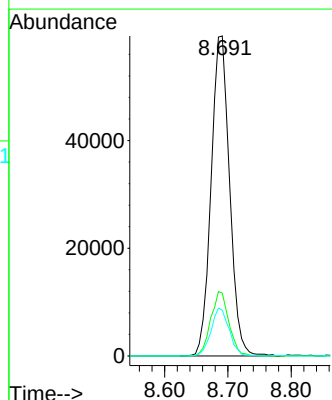
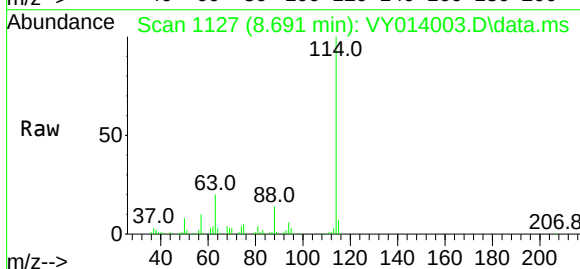
Tgt Ion: 114 Resp: 120427

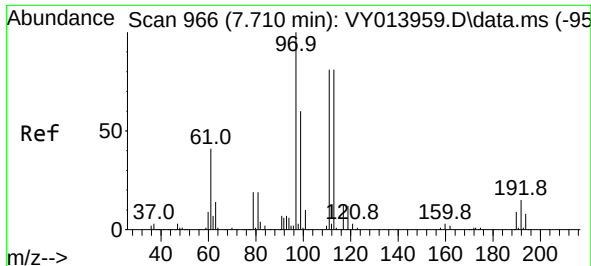
Ion Ratio Lower Upper

114 100

63 19.7 0.0 42.4

88 14.3 0.0 30.6

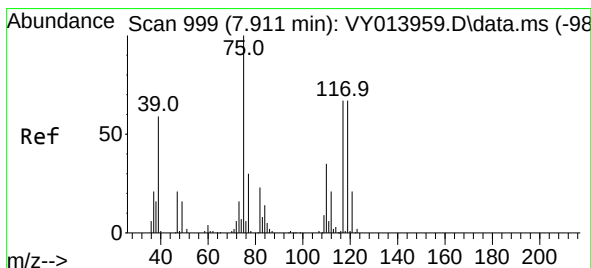
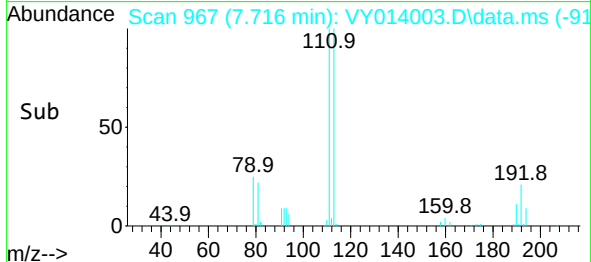
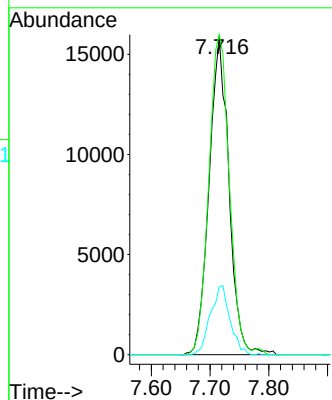
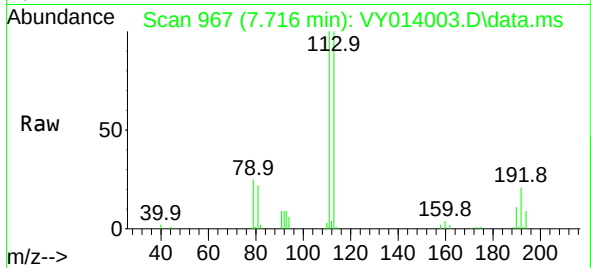




#35
Dibromofluoromethane
Concen: 48.618 ug/l
RT: 7.716 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014003.D
Acq: 05 Jun 2023 13:36

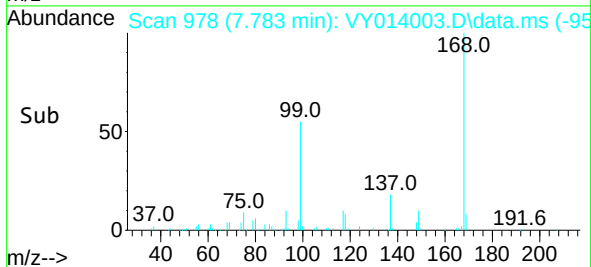
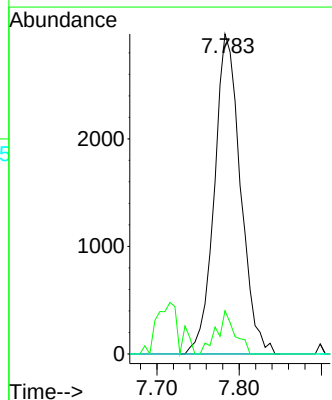
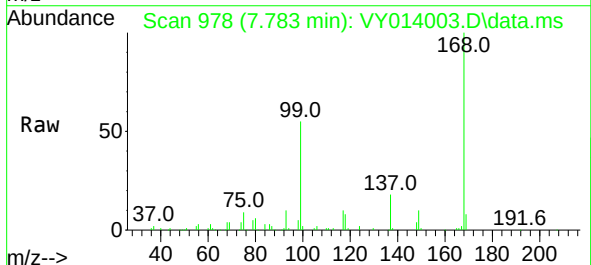
Instrument :
MSVOA_Y
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SB03

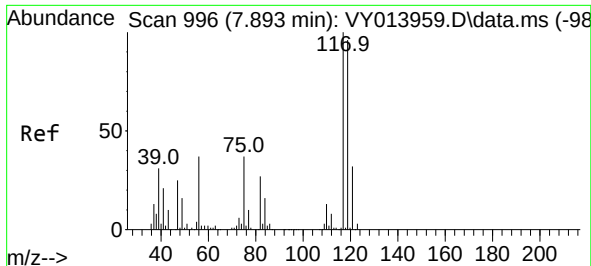
Tgt Ion:113 Resp: 37209
Ion Ratio Lower Upper
113 100
111 103.7 81.3 121.9
192 21.4 16.9 25.3



#36
1,1-Dichloropropene
Concen: 6.027 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY014003.D
Acq: 05 Jun 2023 13:36

Tgt Ion: 75 Resp: 6572
Ion Ratio Lower Upper
75 100
110 9.6 17.8 53.5#
77 0.0 24.4 36.6#

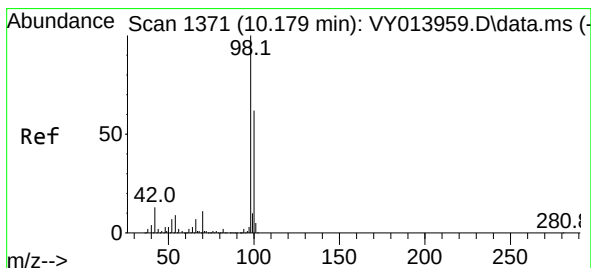
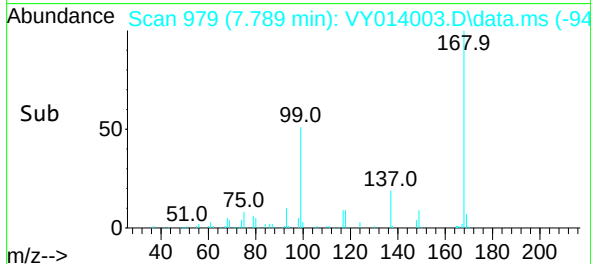
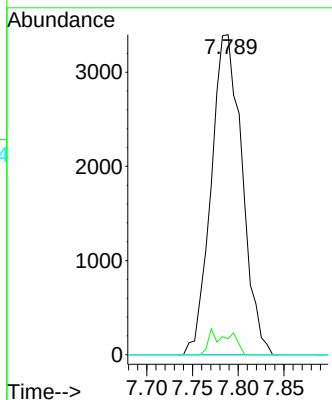
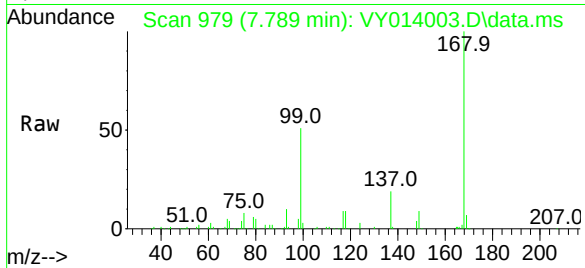




#38
Carbon Tetrachloride
Concen: 6.543 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY014003.D
Acq: 05 Jun 2023 13:36

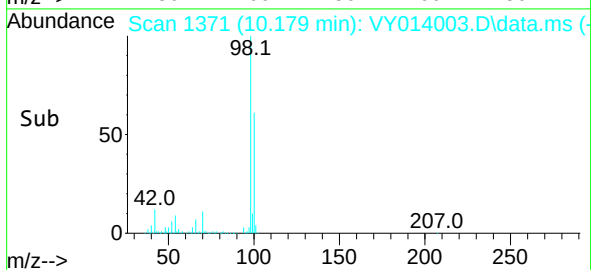
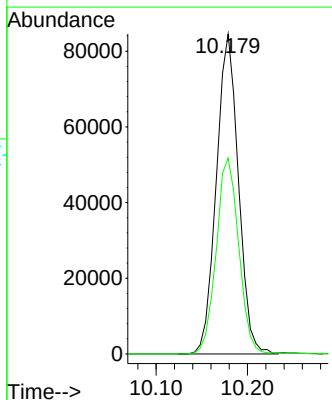
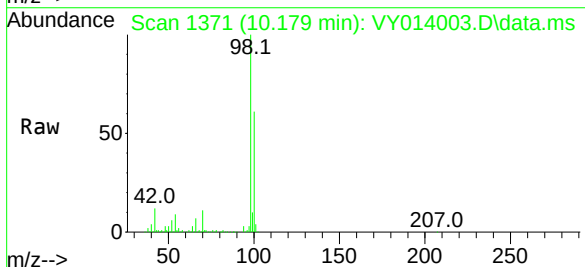
Instrument :
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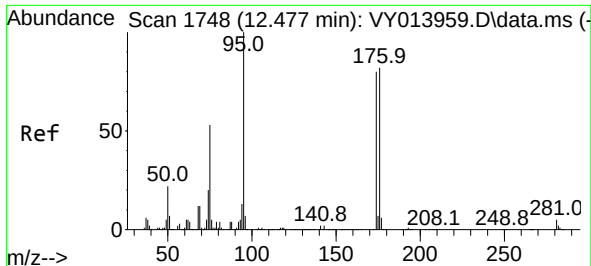
Tgt Ion:117 Resp: 7994
Ion Ratio Lower Upper
117 100
119 5.0 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 48.630 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY014003.D
Acq: 05 Jun 2023 13:36

Tgt Ion: 98 Resp: 141964
Ion Ratio Lower Upper
98 100
100 62.4 50.1 75.1

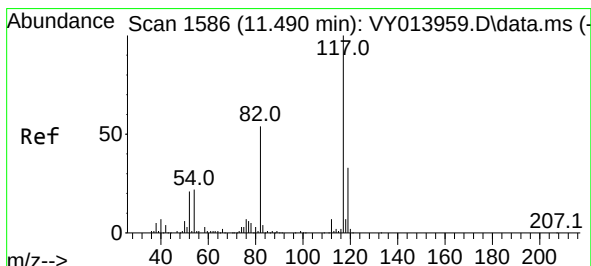
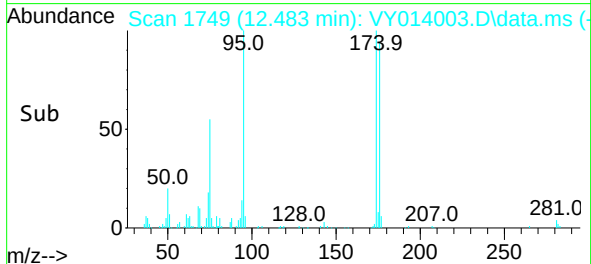
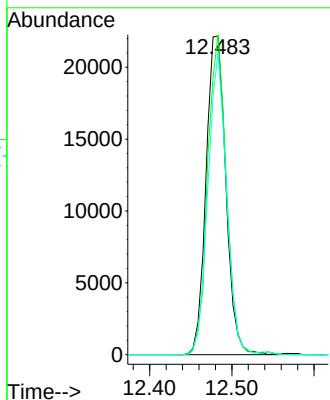
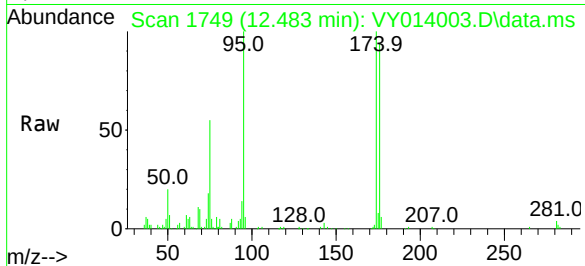




#62
4-Bromofluorobenzene
Concen: 37.179 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY014003.D
Acq: 05 Jun 2023 13:36

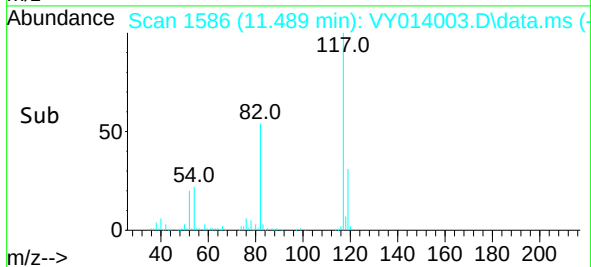
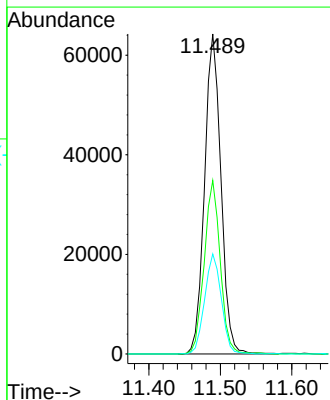
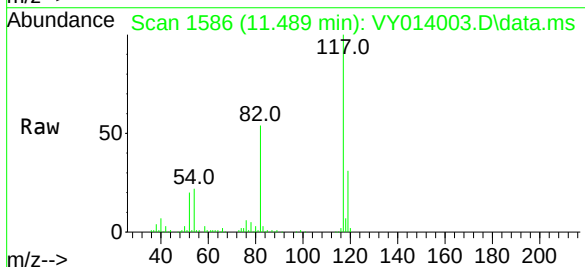
Instrument :
MSVOA_Y
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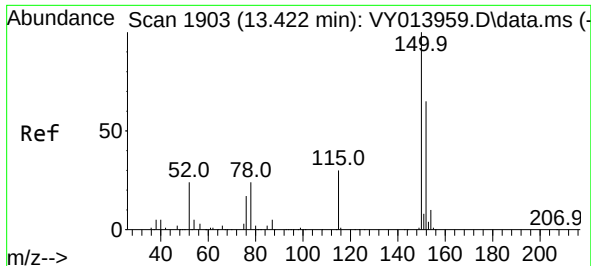
Tgt Ion: 95 Resp: 37002
Ion Ratio Lower Upper
95 100
174 94.7 0.0 178.2
176 89.3 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY014003.D
Acq: 05 Jun 2023 13:36

Tgt Ion: 117 Resp: 102260
Ion Ratio Lower Upper
117 100
82 54.2 43.4 65.0
119 31.2 26.3 39.5

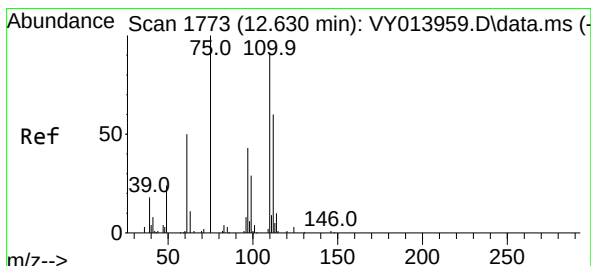
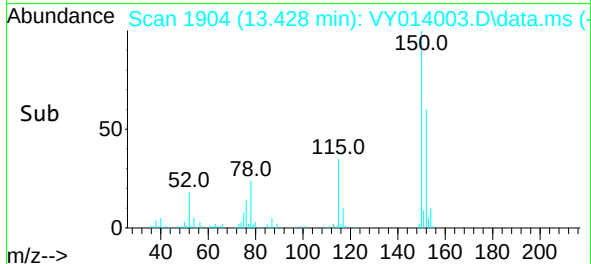
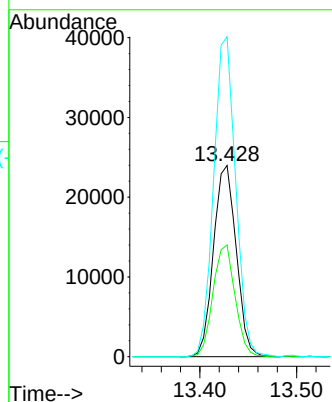
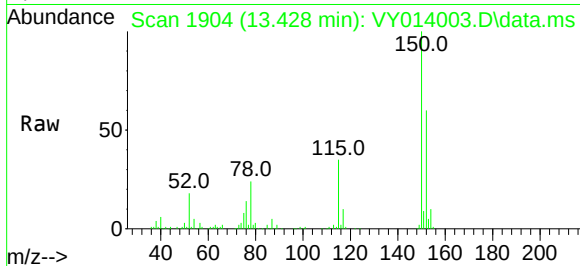




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1903
Delta R.T. 0.006 min
Lab File: VY014003.D
Acq: 05 Jun 2023 13:36

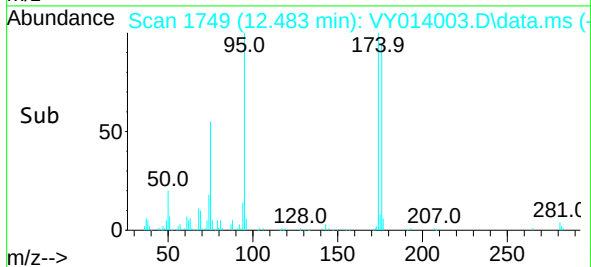
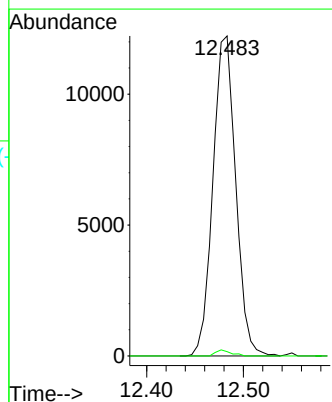
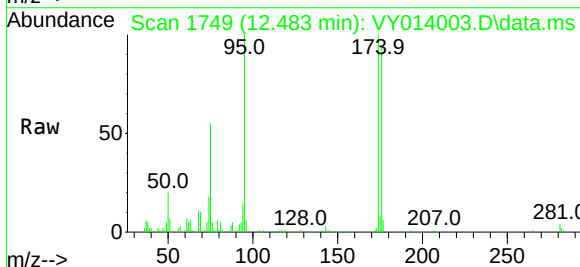
Instrument :
MSVOA_Y
ClientSampleId :
SB03

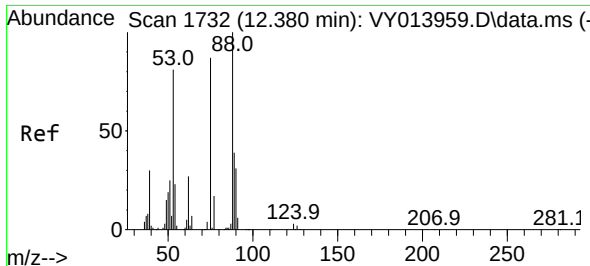
Tgt Ion:152 Resp: 39056
Ion Ratio Lower Upper
152 100
115 56.8 28.8 86.5
150 162.1 0.0 348.8



#76
1,2,3-Trichloropropane
Concen: 38.016 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.146 min
Lab File: VY014003.D
Acq: 05 Jun 2023 13:36

Tgt Ion: 75 Resp: 19980
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#

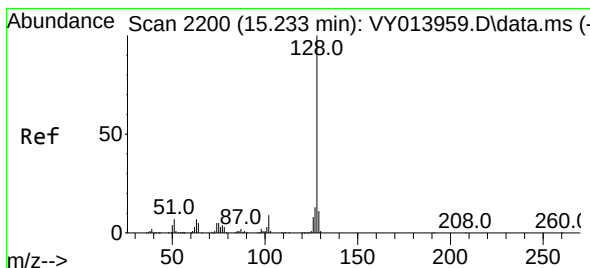
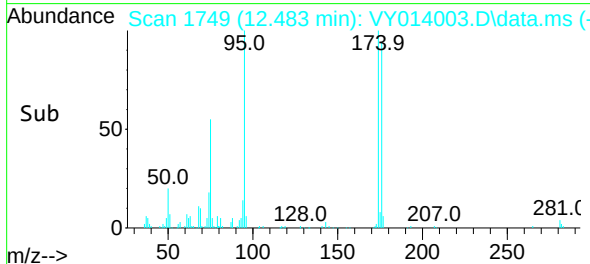
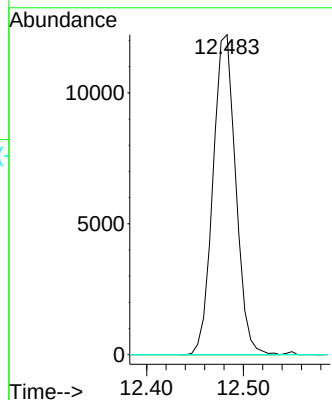
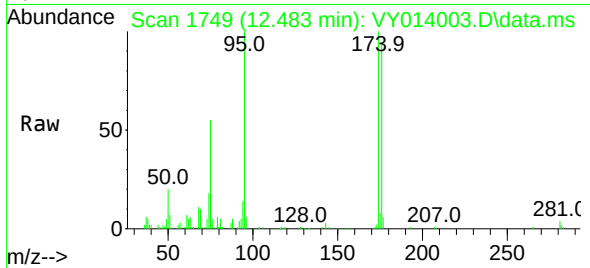




#81
trans-1,4-Dichloro-2-butene
Concen: 80.650 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY014003.D
Acq: 05 Jun 2023 13:36

Instrument :
MSVOA_Y
ClientSampleId :
SB03

Tgt Ion: 75 Resp: 19980
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#



#95
Naphthalene
Concen: 4.192 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.000 min
Lab File: VY014003.D
Acq: 05 Jun 2023 13:36

Tgt Ion: 128 Resp: 616
Ion Ratio Lower Upper
128 100
127 8.9 10.8 16.2#
129 3.6 8.6 13.0#

