

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061923\
 Data File : VY014268.D
 Acq On : 20 Jun 2023 08:10
 Operator : KP/MD
 Sample : 03302-03
 Misc : 7.07g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-4

Quant Time: Jun 20 11:25:09 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060923S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 09 18:07:13 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	182154	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.697	114	288017	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	273541	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	125721	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	125693	49.553	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.100%
35) Dibromofluoromethane	7.728	113	98744	48.343	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.680%
50) Toluene-d8	10.185	98	349836	45.812	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	91.620%
62) 4-Bromofluorobenzene	12.489	95	109824	40.486	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	80.980%

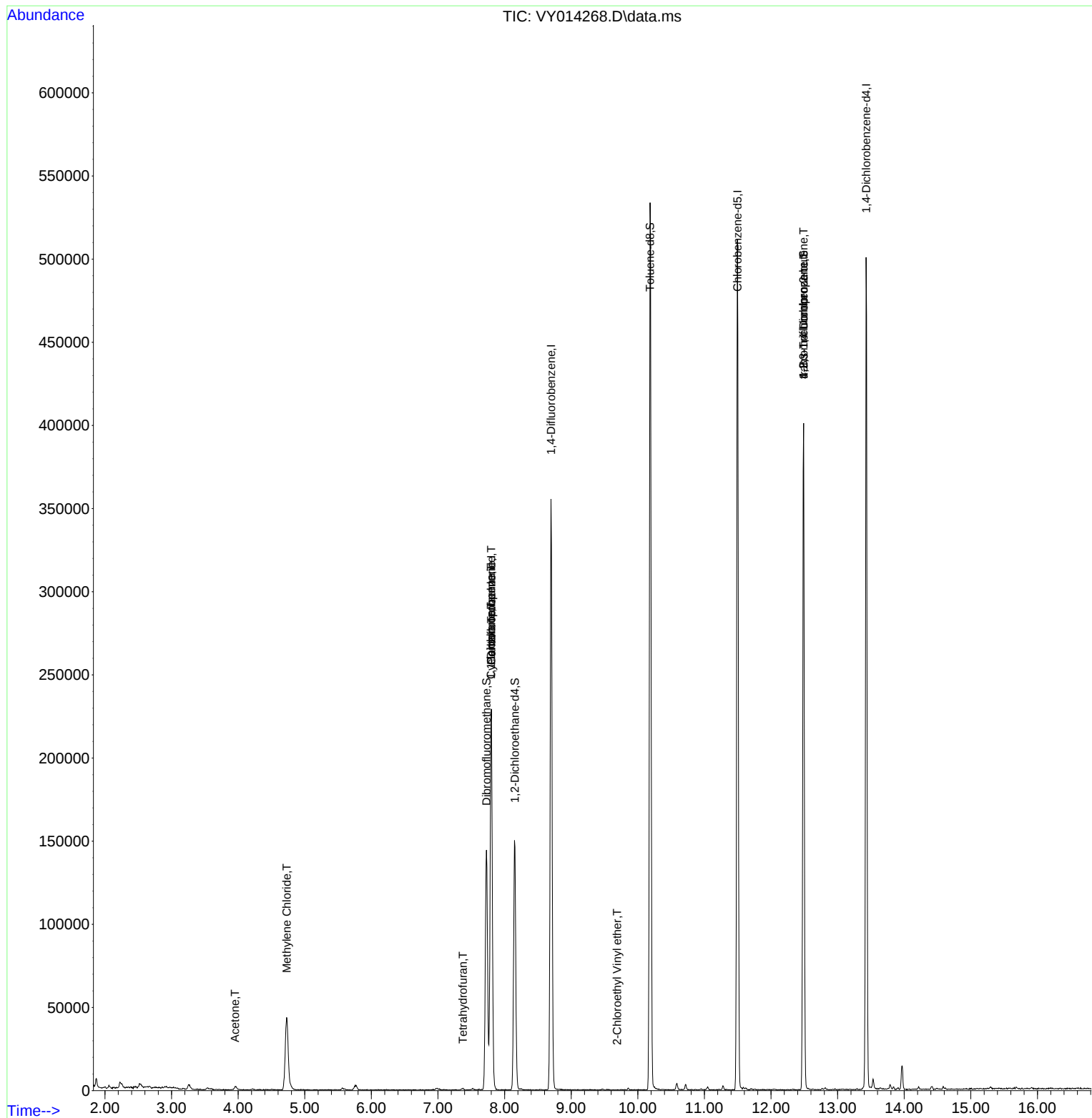
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.985	59	148	Below Cal	#	89
16) Acetone	3.954	43	3608	4.719	ug/l	92
20) Methylene Chloride	4.729	84	32020	10.269	ug/l	99
29) Tetrahydrofuran	7.374	42	670	1.123	ug/l	# 88
31) Cyclohexane	7.795	56	4359	1.283	ug/l	# 11
36) 1,1-Dichloropropene	7.795	75	13610	4.274	ug/l	# 51
38) Carbon Tetrachloride	7.801	117	17584	4.785	ug/l	# 16
58) 2-Chloroethyl Vinyl ether	9.691	63	31	28.642	ug/l	# 48
76) 1,2,3-Trichloropropane	12.489	75	60137	36.459	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.489	75	60137	78.811	ug/l	# 11

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

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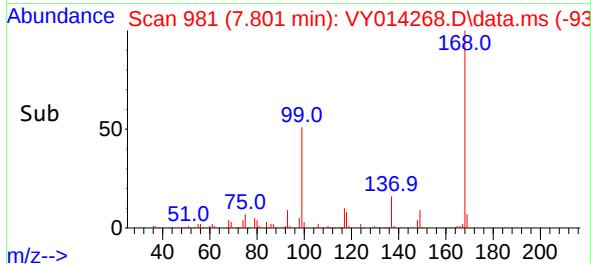
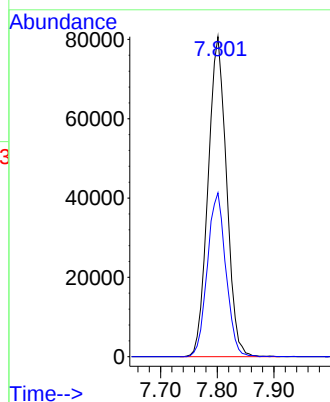
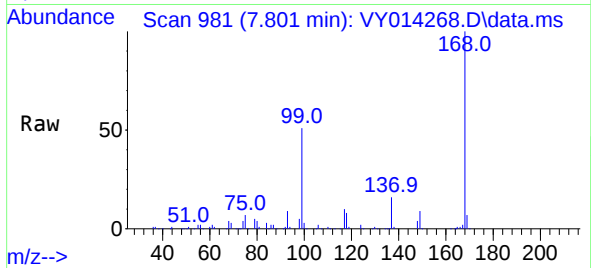




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY014268.D
Acq: 20 Jun 2023 08:10

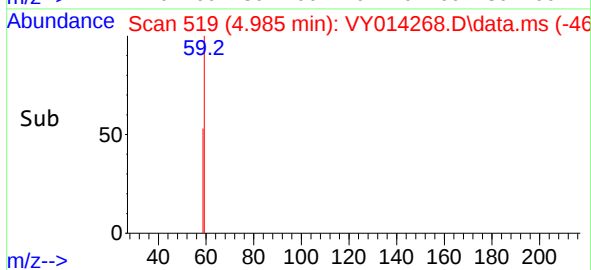
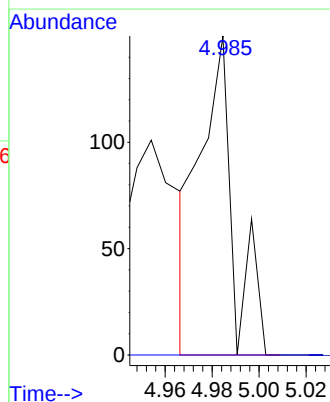
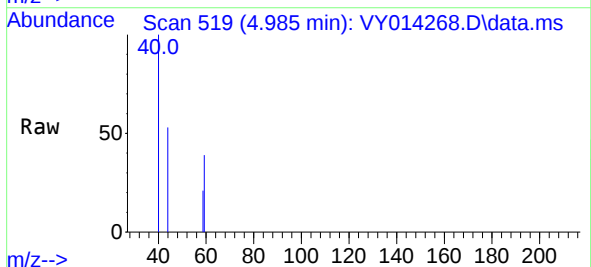
Instrument :
MSVOA_Y
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SB-4

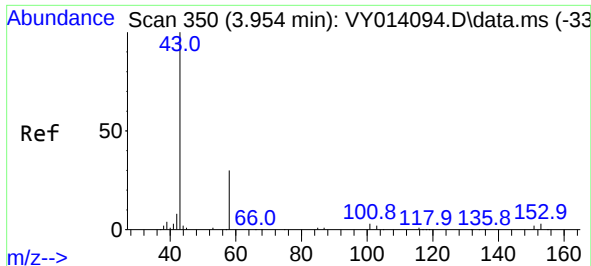
Tgt Ion:168 Resp: 182154
Ion Ratio Lower Upper
168 100
99 51.2 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.985 min Scan# 519
Delta R.T. 0.019 min
Lab File: VY014268.D
Acq: 20 Jun 2023 08:10

Tgt Ion: 59 Resp: 148
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

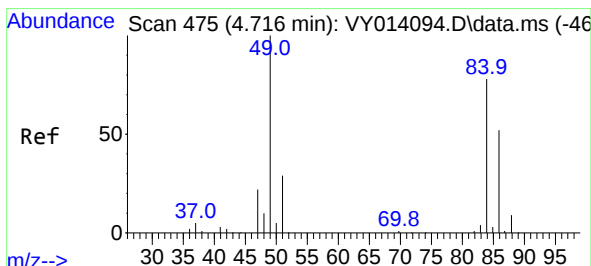
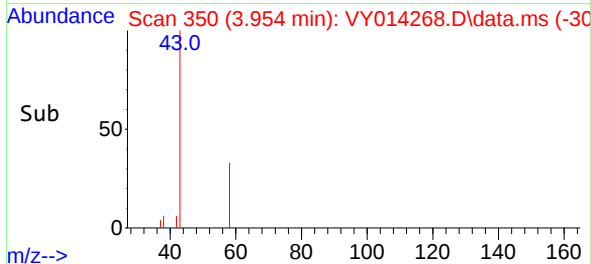
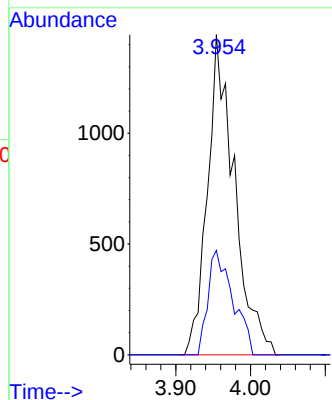
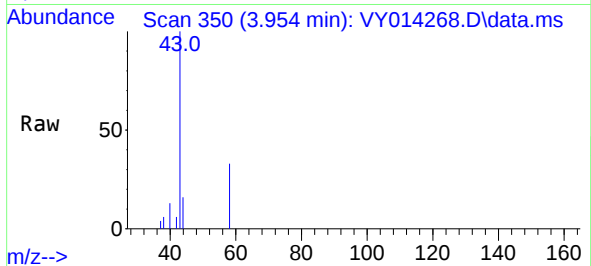




#16
Acetone
Concen: 4.719 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.000 min
Lab File: VY014268.D
Acq: 20 Jun 2023 08:10

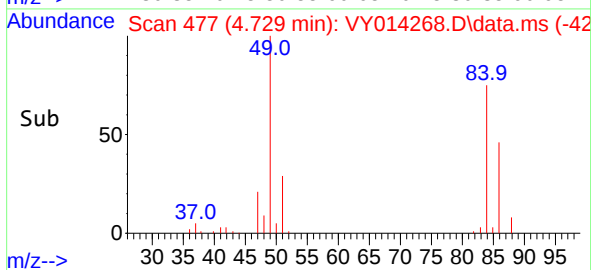
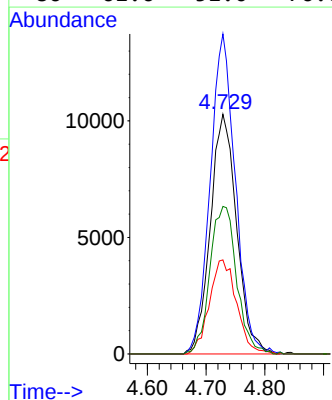
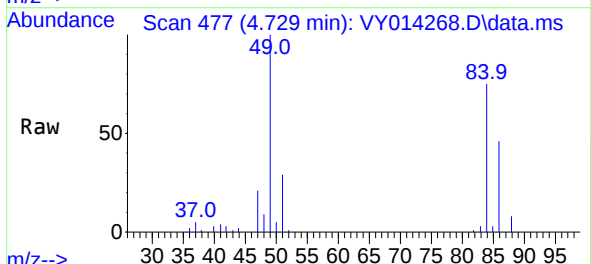
Instrument :
MSVOA_Y
ClientSampleId :
SB-4

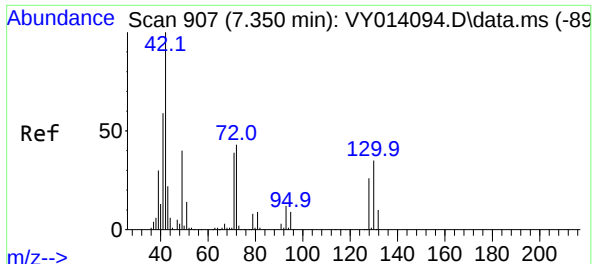
Tgt Ion: 43 Resp: 3608
Ion Ratio Lower Upper
43 100
58 32.6 22.7 34.1



#20
Methylene Chloride
Concen: 10.269 ug/l
RT: 4.729 min Scan# 477
Delta R.T. 0.013 min
Lab File: VY014268.D
Acq: 20 Jun 2023 08:10

Tgt Ion: 84 Resp: 32020
Ion Ratio Lower Upper
84 100
49 133.5 106.9 160.3
51 39.2 33.2 49.8
86 61.6 51.0 76.6

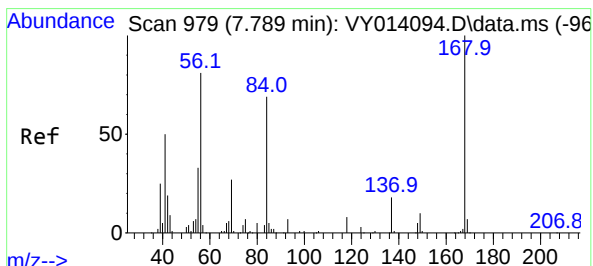
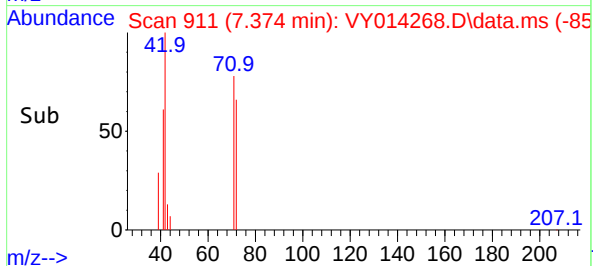
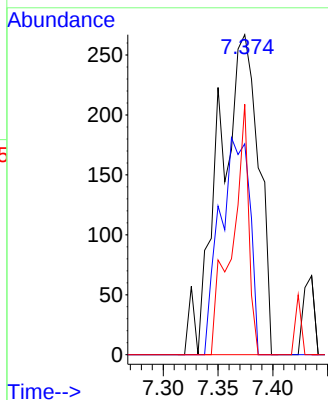
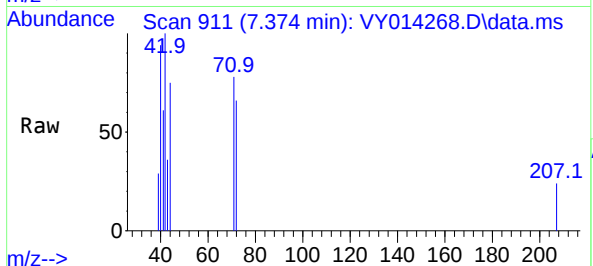




#29
Tetrahydrofuran
Concen: 1.123 ug/l
RT: 7.374 min Scan# 911
Delta R.T. 0.024 min
Lab File: VY014268.D
Acq: 20 Jun 2023 08:10

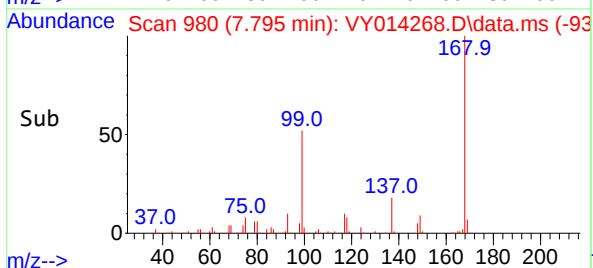
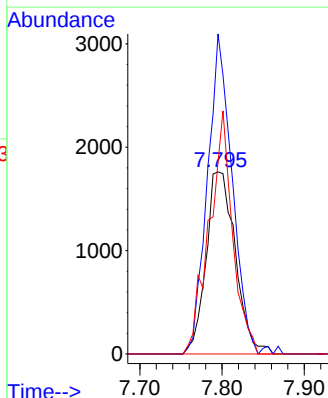
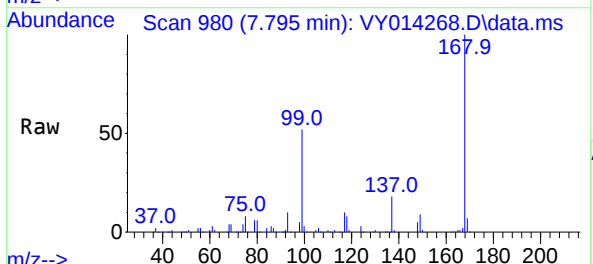
Instrument :
MSVOA_Y
ClientSampleId :
SB-4

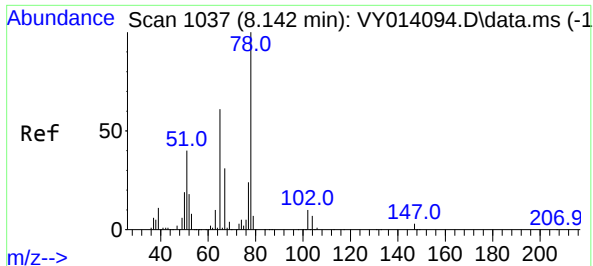
Tgt Ion: 42 Resp: 670
Ion Ratio Lower Upper
42 100
72 51.0 32.8 49.2#
71 33.4 31.0 46.4



#31
Cyclohexane
Concen: 1.283 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.006 min
Lab File: VY014268.D
Acq: 20 Jun 2023 08:10

Tgt Ion: 56 Resp: 4359
Ion Ratio Lower Upper
56 100
69 175.7 27.8 41.6#
84 105.3 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 49.553 ug/l

RT: 8.155 min Scan# 110

Delta R.T. 0.013 min

Lab File: VY014268.D

Acq: 20 Jun 2023 08:10

Instrument :

MSVOA_Y

ClientSampleId :

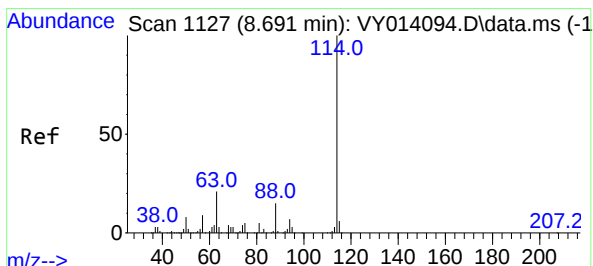
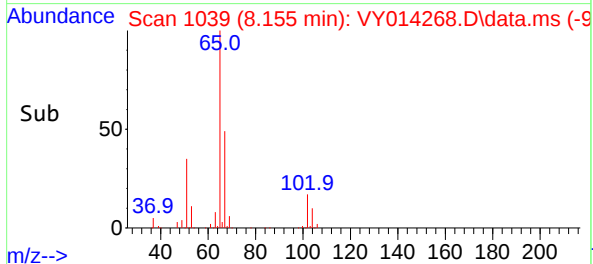
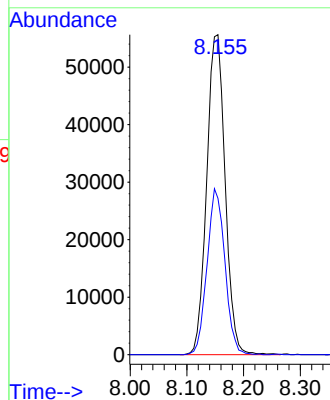
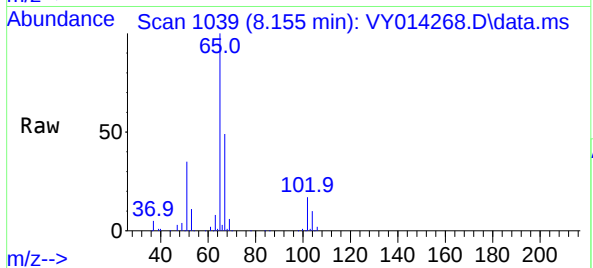
SB-4

Tgt Ion: 65 Resp: 125693

Ion Ratio Lower Upper

65 100

67 50.3 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VY014268.D

Acq: 20 Jun 2023 08:10

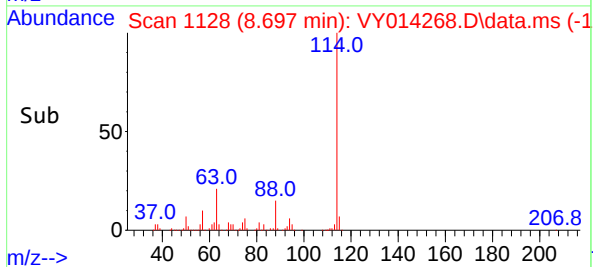
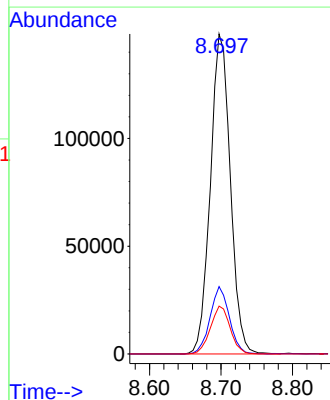
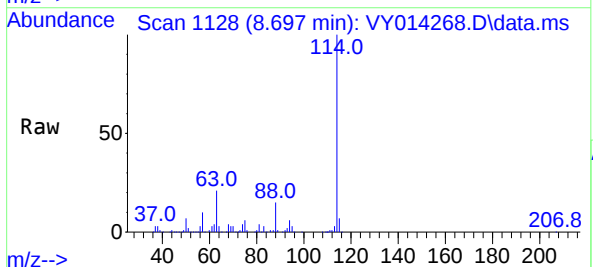
Tgt Ion: 114 Resp: 288017

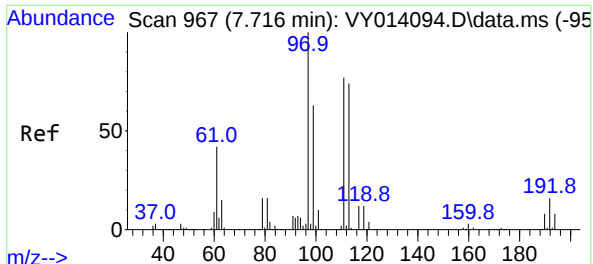
Ion Ratio Lower Upper

114 100

63 21.0 0.0 42.4

88 15.0 0.0 30.6

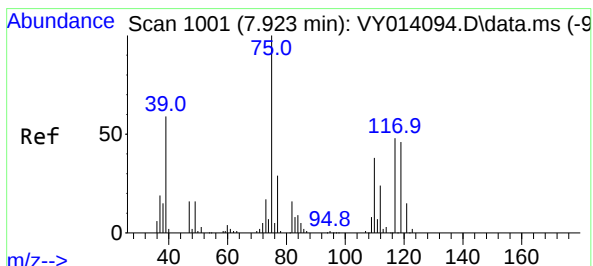
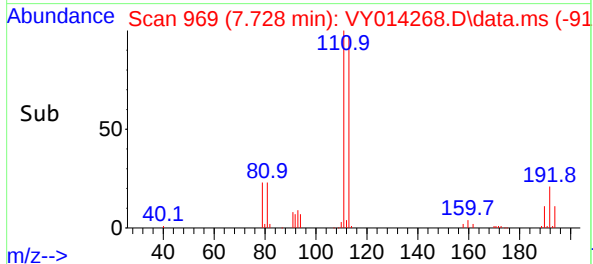
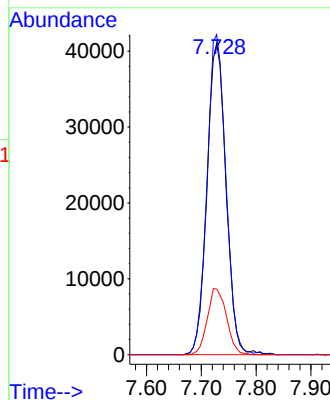
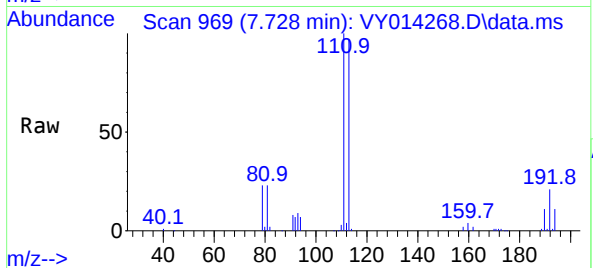




#35
Dibromofluoromethane
Concen: 48.343 ug/l
RT: 7.728 min Scan# 910
Delta R.T. 0.012 min
Lab File: VY014268.D
Acq: 20 Jun 2023 08:10

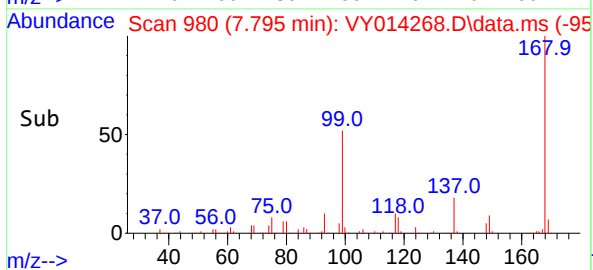
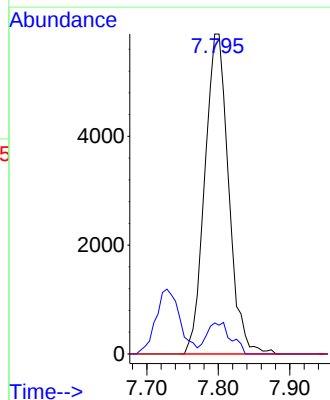
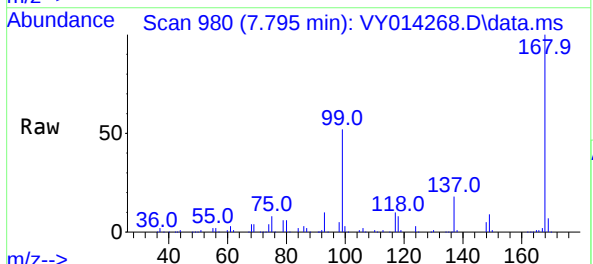
Instrument :
MSVOA_Y
ClientSampleId :
SB-4

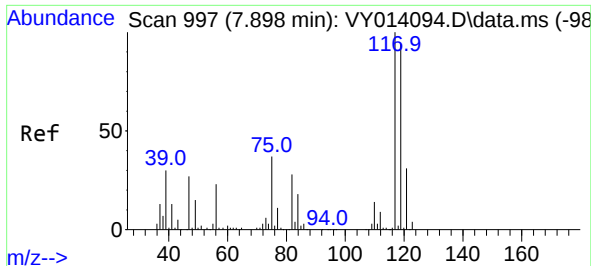
Tgt Ion:113 Resp: 98744
Ion Ratio Lower Upper
113 100
111 101.8 81.3 121.9
192 21.4 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.274 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY014268.D
Acq: 20 Jun 2023 08:10

Tgt Ion: 75 Resp: 13610
Ion Ratio Lower Upper
75 100
110 9.9 17.8 53.5#
77 0.0 24.4 36.6#

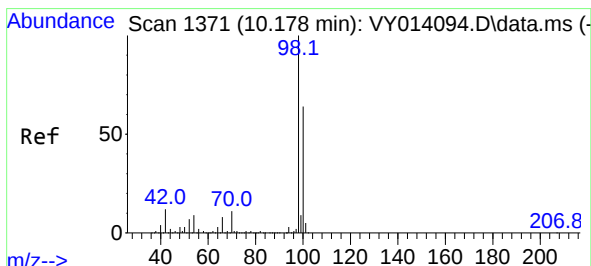
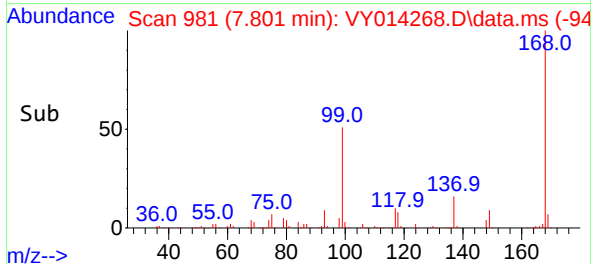
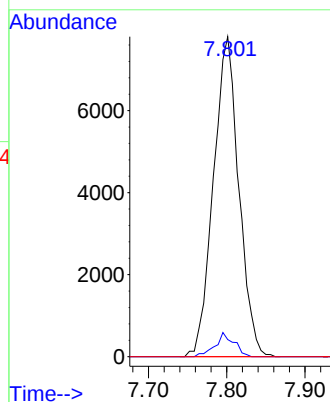
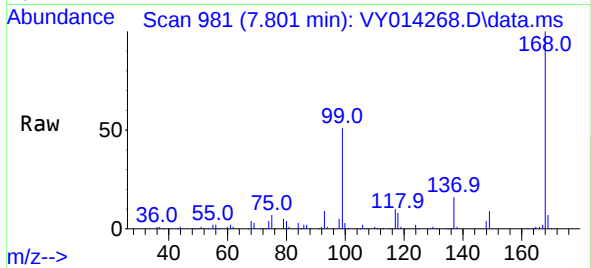




#38
Carbon Tetrachloride
Concen: 4.785 ug/l
RT: 7.801 min Scan# 91
Delta R.T. -0.097 min
Lab File: VY014268.D
Acq: 20 Jun 2023 08:10

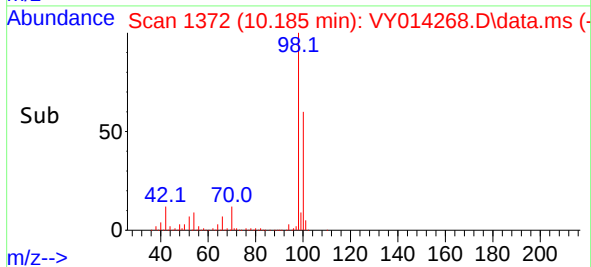
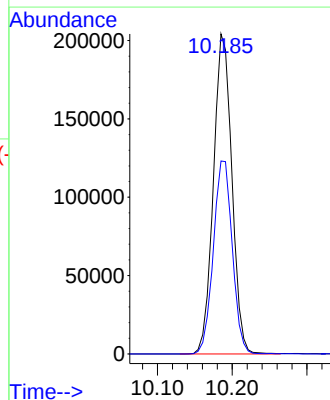
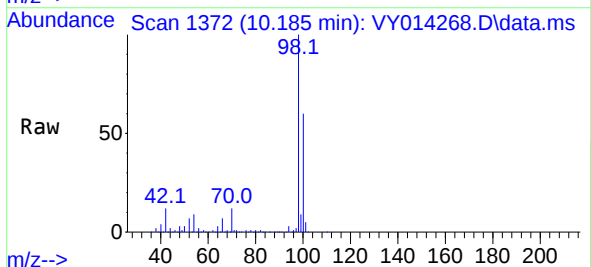
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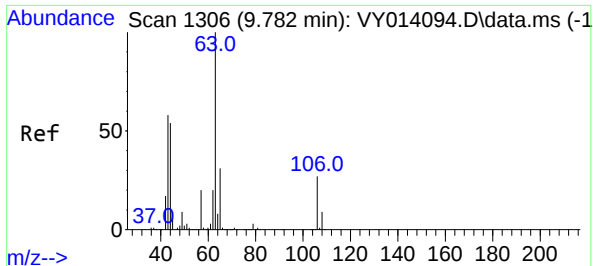
Tgt Ion:117 Resp: 17584
Ion Ratio Lower Upper
117 100
119 5.4 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 45.812 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.007 min
Lab File: VY014268.D
Acq: 20 Jun 2023 08:10

Tgt Ion: 98 Resp: 349836
Ion Ratio Lower Upper
98 100
100 62.1 50.1 75.1

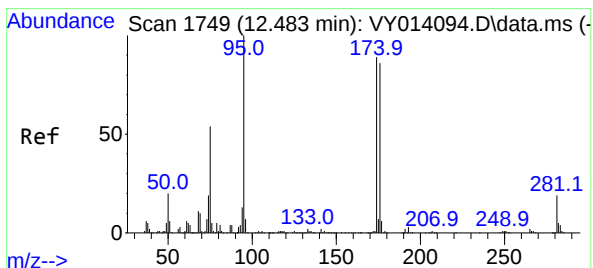
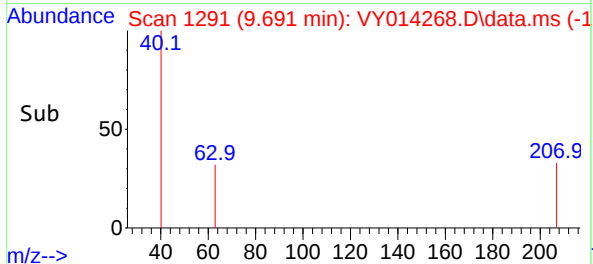
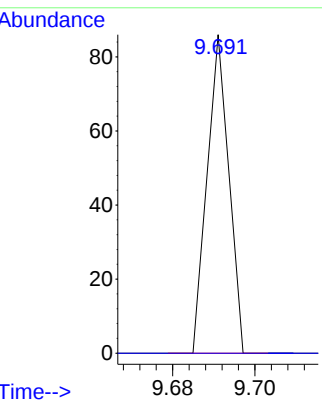
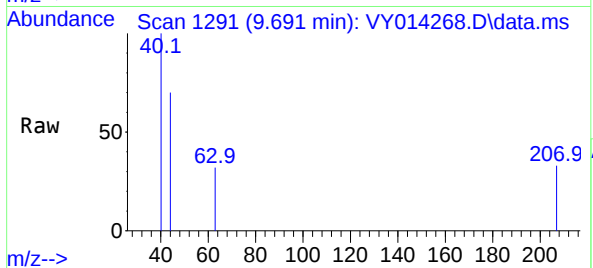




#58
2-Chloroethyl Vinyl ether
Concen: 28.642 ug/l
RT: 9.691 min Scan# 11
Delta R.T. -0.091 min
Lab File: VY014268.D
Acq: 20 Jun 2023 08:10

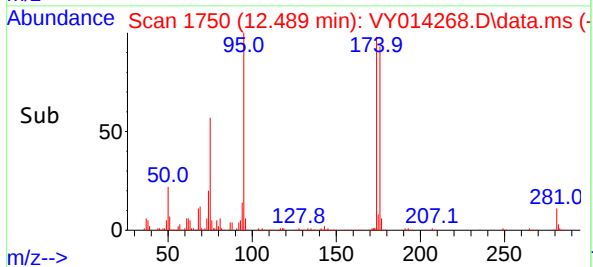
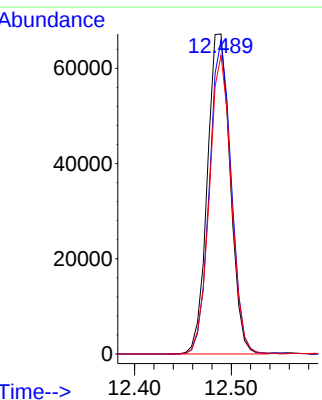
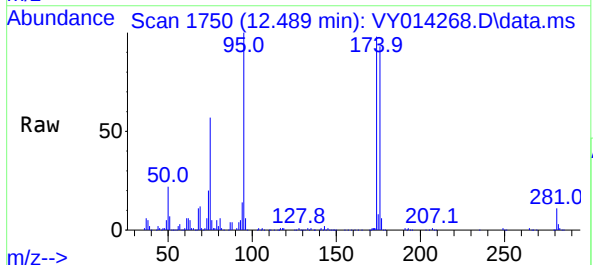
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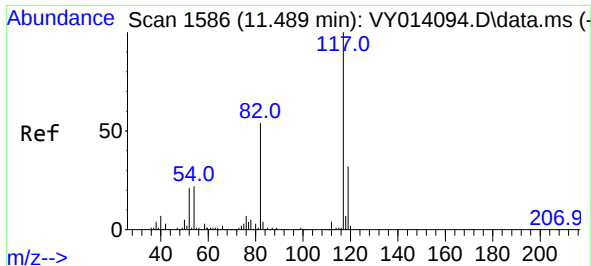
Tgt Ion: 63 Resp: 31
Ion Ratio Lower Upper
63 100
106 0.0 21.2 31.8#



#62
4-Bromofluorobenzene
Concen: 40.486 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VY014268.D
Acq: 20 Jun 2023 08:10

Tgt Ion: 95 Resp: 109824
Ion Ratio Lower Upper
95 100
174 93.7 0.0 178.2
176 89.5 0.0 173.8

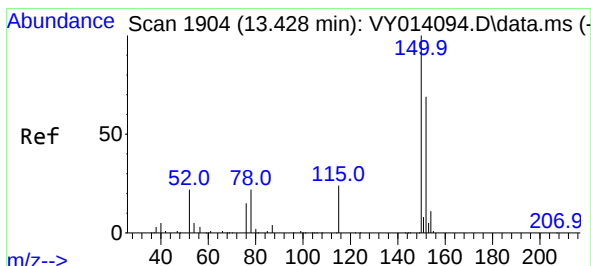
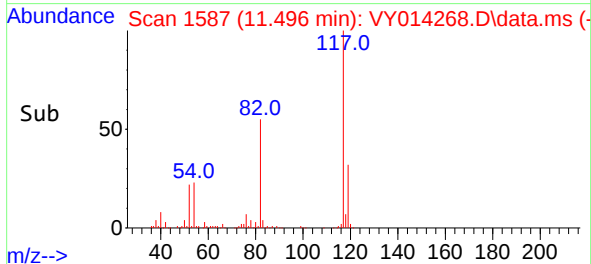
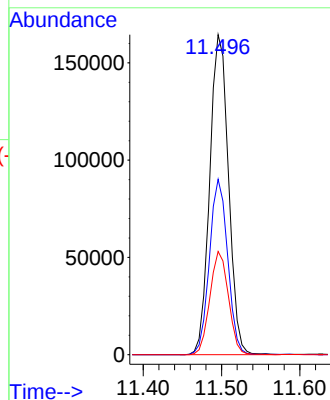
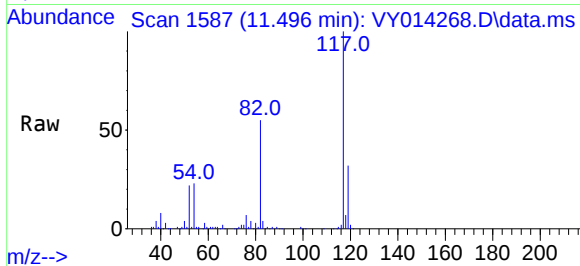




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 11
Delta R.T. 0.007 min
Lab File: VY014268.D
Acq: 20 Jun 2023 08:10

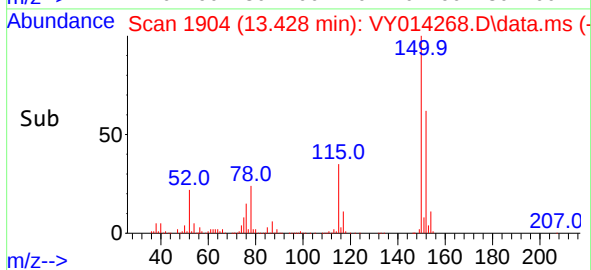
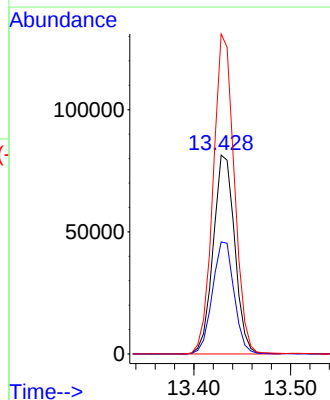
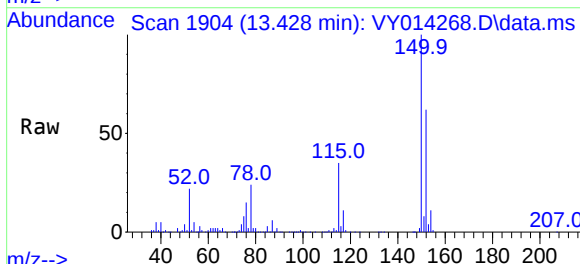
Instrument :
MSVOA_Y
ClientSampleId :
SB-4

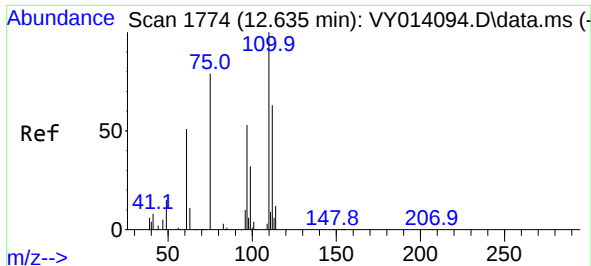
Tgt Ion:117 Resp: 273541
Ion Ratio Lower Upper
117 100
82 54.8 43.4 65.0
119 32.3 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY014268.D
Acq: 20 Jun 2023 08:10

Tgt Ion:152 Resp: 125721
Ion Ratio Lower Upper
152 100
115 56.9 28.8 86.5
150 158.5 0.0 348.8

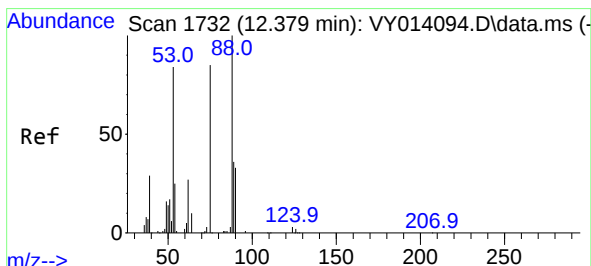
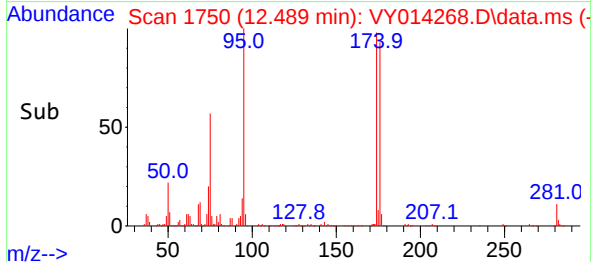
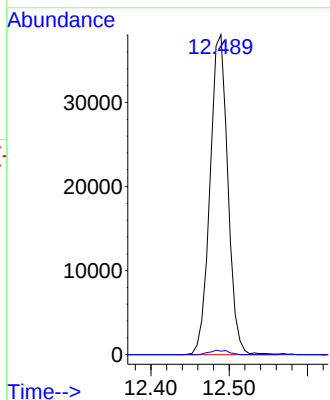
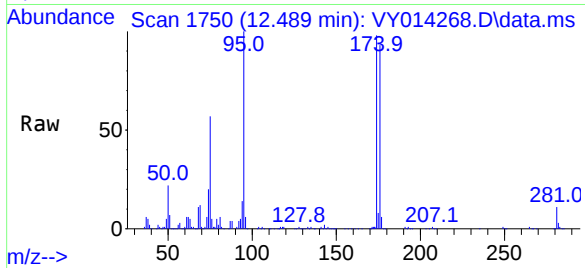




#76
1,2,3-Trichloropropane
Concen: 36.459 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.146 min
Lab File: VY014268.D
Acq: 20 Jun 2023 08:10

Instrument :
MSVOA_Y
ClientSampleId :
SB-4

Tgt Ion: 75 Resp: 60137
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 78.811 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.110 min
Lab File: VY014268.D
Acq: 20 Jun 2023 08:10

Tgt Ion: 75 Resp: 60137
Ion Ratio Lower Upper
75 100
53 0.3 77.8 116.8#
89 0.0 37.4 56.0#

