

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061923\
 Data File : VY014228.D
 Acq On : 19 Jun 2023 14:34
 Operator : KP/MD
 Sample : VY00619SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0619SBL01

Quant Time: Jun 19 17:02:45 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)

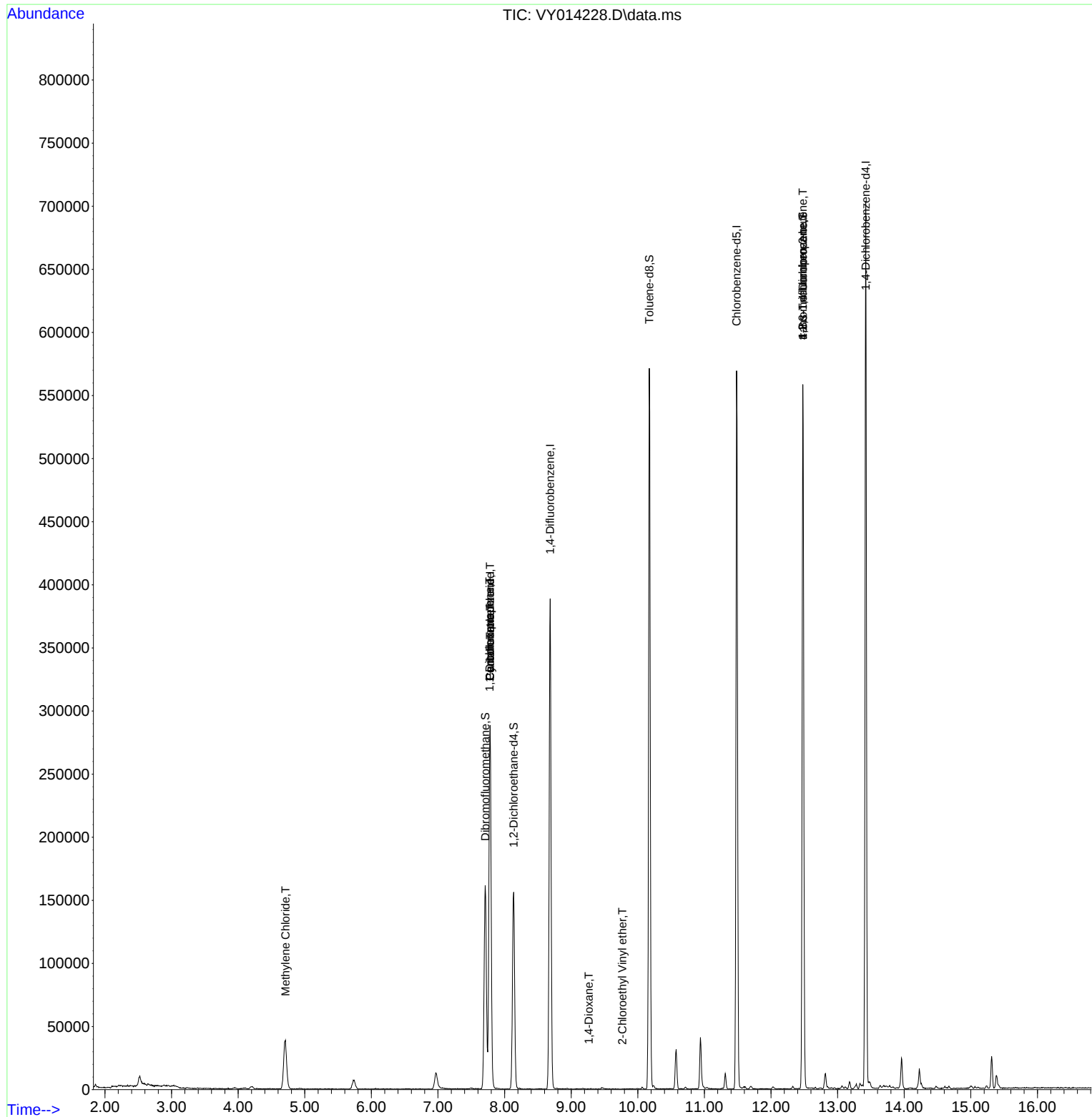
Internal Standards						
1) Pentafluorobenzene	7.783	168	229717	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	322279	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	304364	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	170926	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	131502	41.109	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	82.220%
35) Dibromofluoromethane	7.710	113	110628	48.404	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.800%
50) Toluene-d8	10.173	98	367257	42.981	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	85.960%
62) 4-Bromofluorobenzene	12.477	95	140908	46.423	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	92.840%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.936	59	610	Below Cal	#	89
20) Methylene Chloride	4.710	84	28862	6.238	ug/l	93
31) Cyclohexane	7.783	56	4957	1.157	ug/l #	5
36) 1,1-Dichloropropene	7.777	75	17033	4.780	ug/l #	50
38) Carbon Tetrachloride	7.783	117	21916	5.330	ug/l #	17
49) 1,4-Dioxane	9.264	88	24	1.140	ug/l #	36
58) 2-Chloroethyl Vinyl ether	9.770	63	23	28.635	ug/l #	48
76) 1,2,3-Trichloropropane	12.477	75	78196	34.870	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	78196	75.375	ug/l #	11

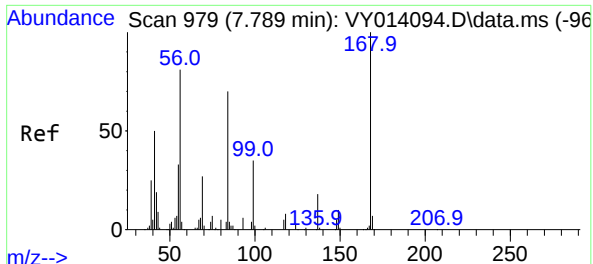
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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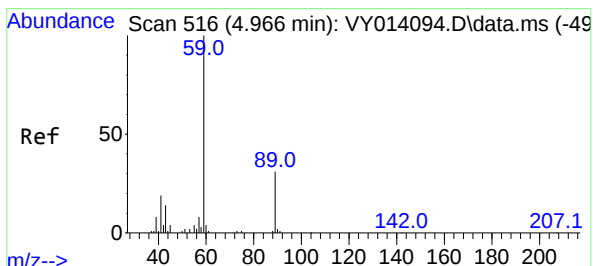
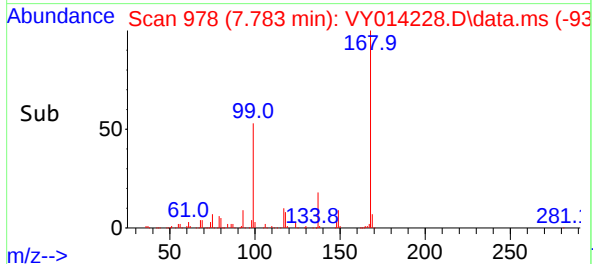
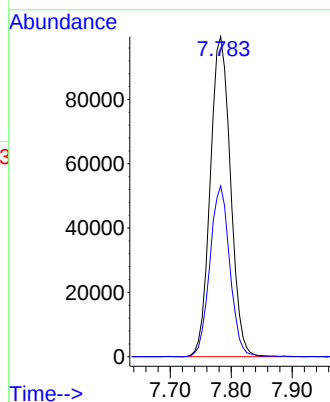
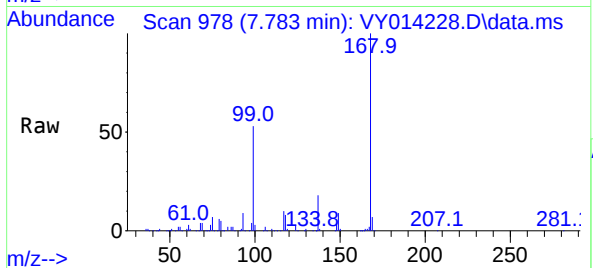




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014228.D
Acq: 19 Jun 2023 14:34

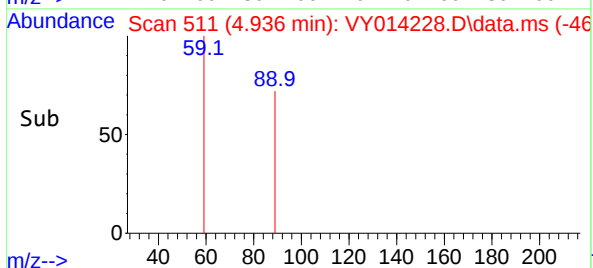
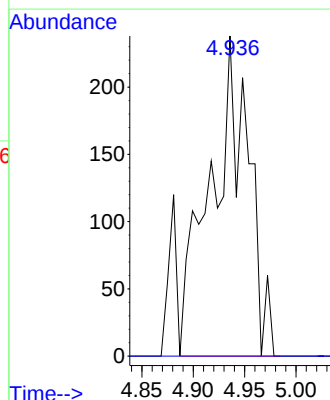
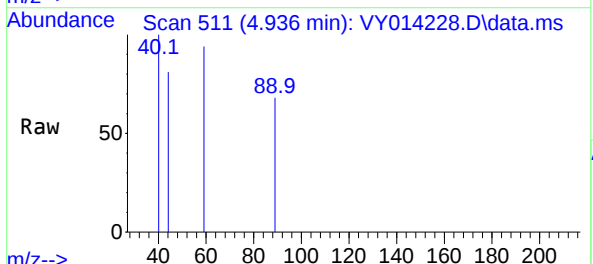
Instrument :
MSVOA_Y
ClientSampleId :
VY0619SBL01

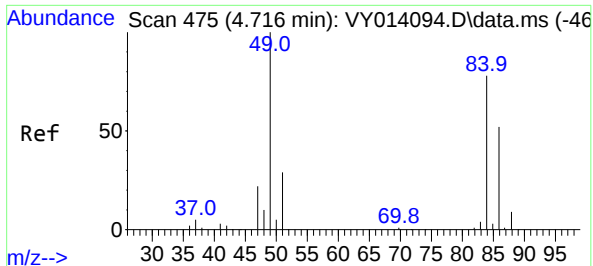
Tgt Ion:168 Resp: 229717
Ion Ratio Lower Upper
168 100
99 53.4 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.936 min Scan# 511
Delta R.T. -0.030 min
Lab File: VY014228.D
Acq: 19 Jun 2023 14:34

Tgt Ion: 59 Resp: 610
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

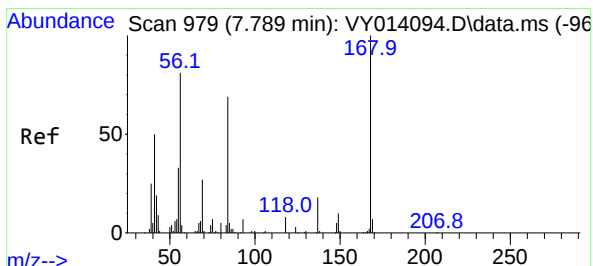
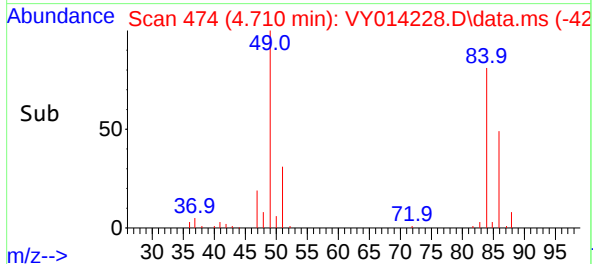
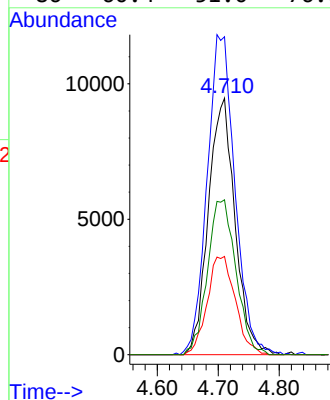
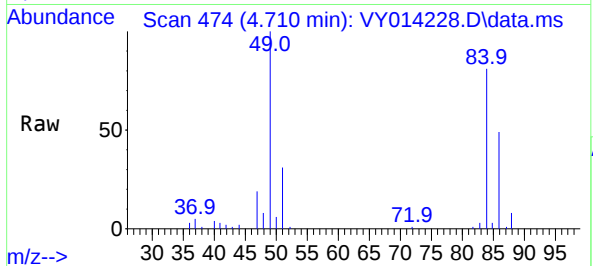




#20
Methylene Chloride
Concen: 6.238 ug/l
RT: 4.710 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY014228.D
Acq: 19 Jun 2023 14:34

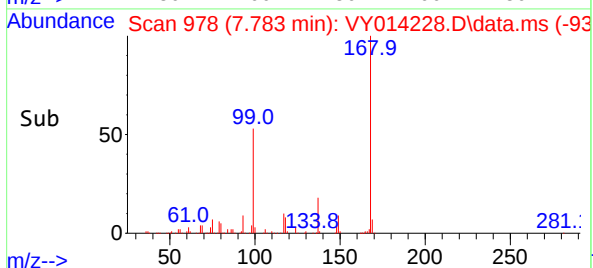
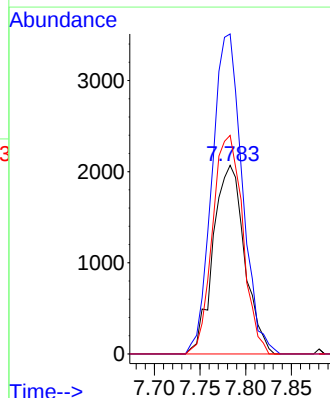
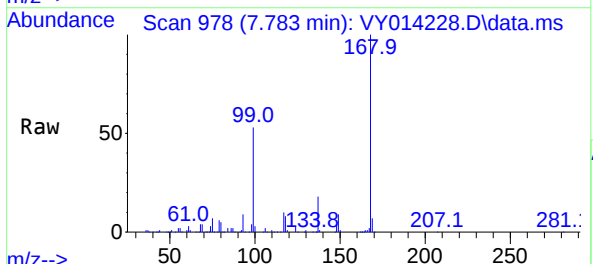
Instrument :
MSVOA_Y
ClientSampleId :
VY0619SBL01

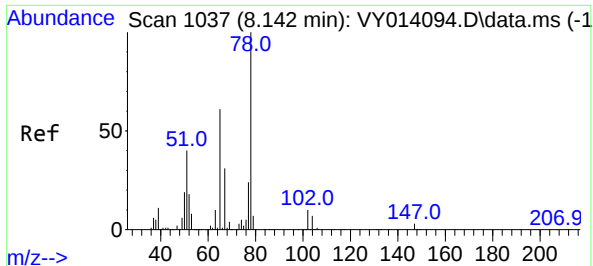
Tgt Ion:	84	Resp:	28862
Ion	Ratio	Lower	Upper
84	100		
49	123.9	106.9	160.3
51	38.3	33.2	49.8
86	60.4	51.0	76.6



#31
Cyclohexane
Concen: 1.157 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.006 min
Lab File: VY014228.D
Acq: 19 Jun 2023 14:34

Tgt Ion:	56	Resp:	4957
Ion	Ratio	Lower	Upper
56	100		
69	169.6	27.8	41.6#
84	115.9	66.4	99.6#





#33

1,2-Dichloroethane-d4

Concen: 41.109 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.006 min

Lab File: VY014228.D

Acq: 19 Jun 2023 14:34

Instrument :

MSVOA_Y

ClientSampleId :

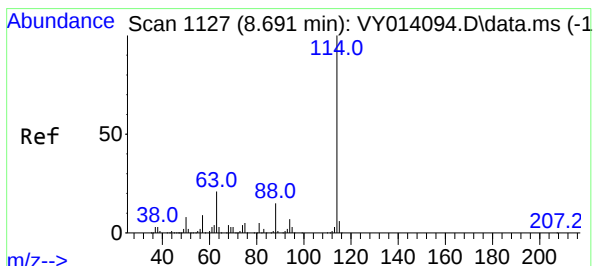
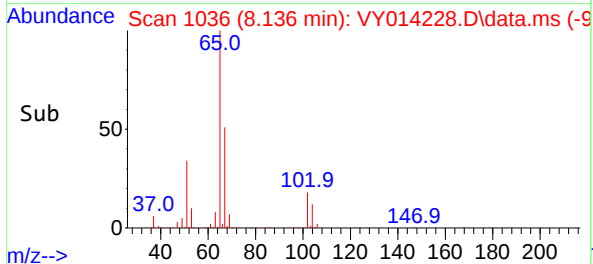
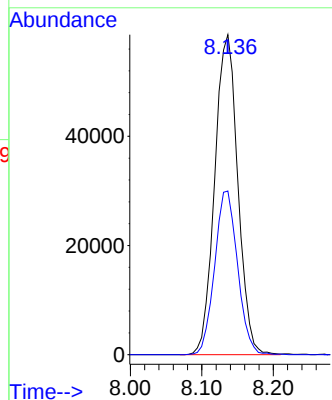
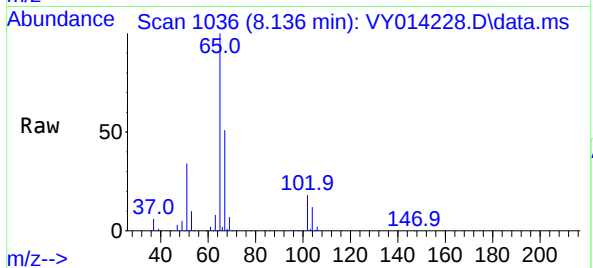
VY0619SBL01

Tgt Ion: 65 Resp: 131502

Ion Ratio Lower Upper

65 100

67 50.8 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY014228.D

Acq: 19 Jun 2023 14:34

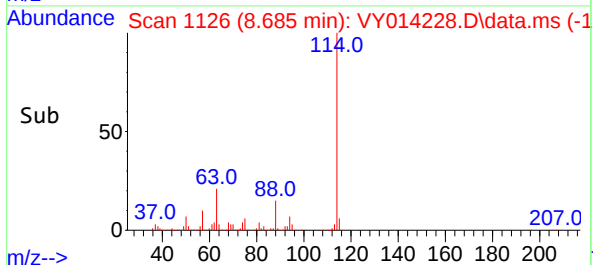
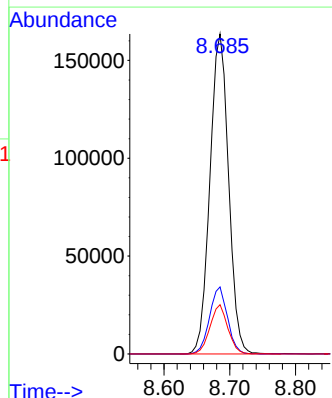
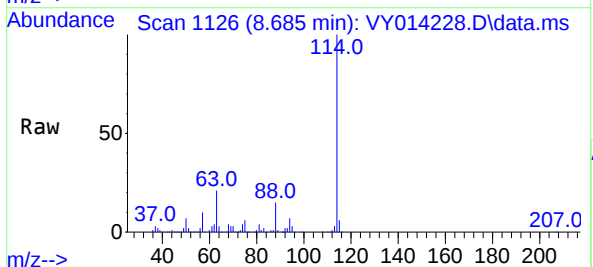
Tgt Ion:114 Resp: 322279

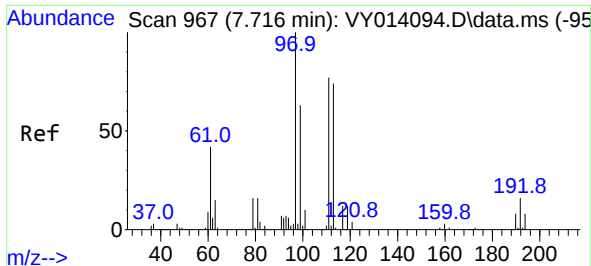
Ion Ratio Lower Upper

114 100

63 20.9 0.0 42.4

88 15.4 0.0 30.6

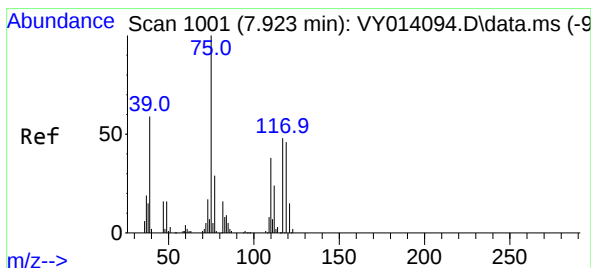
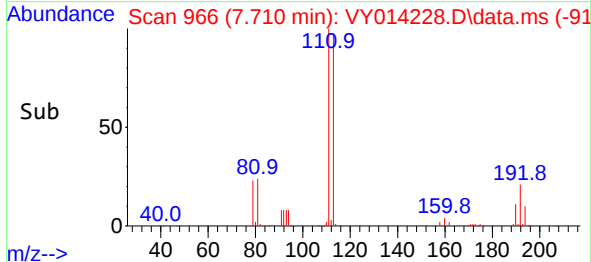
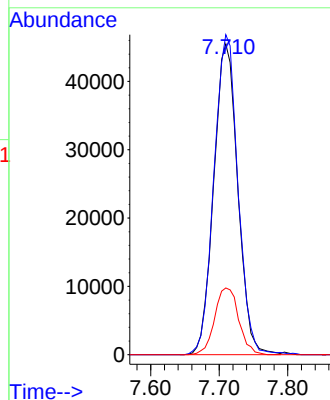
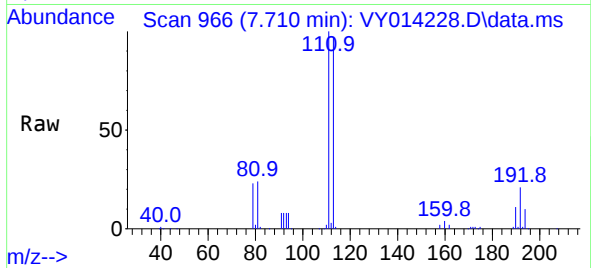




#35
Dibromofluoromethane
Concen: 48.404 ug/l
RT: 7.710 min Scan# 910
Delta R.T. -0.006 min
Lab File: VY014228.D
Acq: 19 Jun 2023 14:34

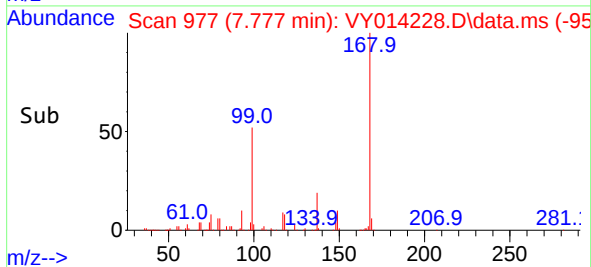
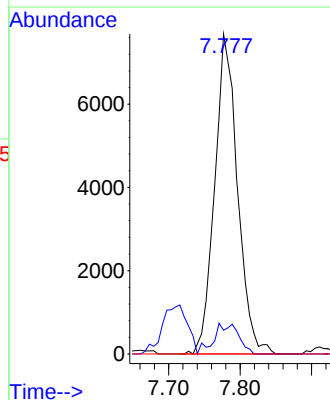
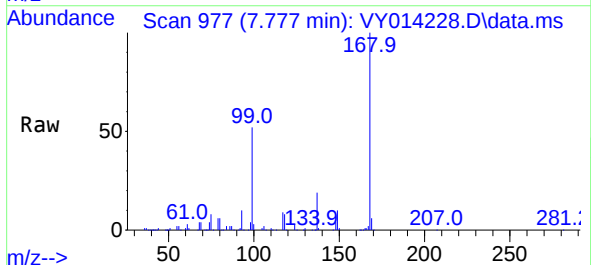
Instrument :
MSVOA_Y
ClientSampleId :
VY0619SBL01

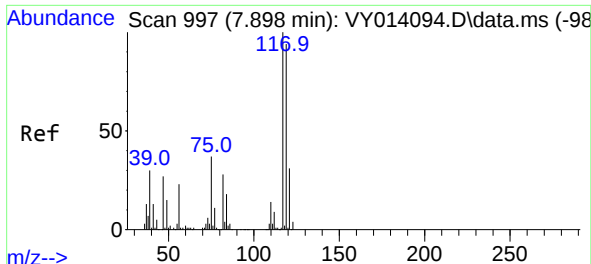
Tgt Ion:113 Resp: 110628
Ion Ratio Lower Upper
113 100
111 102.6 81.3 121.9
192 21.5 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.780 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.146 min
Lab File: VY014228.D
Acq: 19 Jun 2023 14:34

Tgt Ion: 75 Resp: 17033
Ion Ratio Lower Upper
75 100
110 9.3 17.8 53.5#
77 0.0 24.4 36.6#

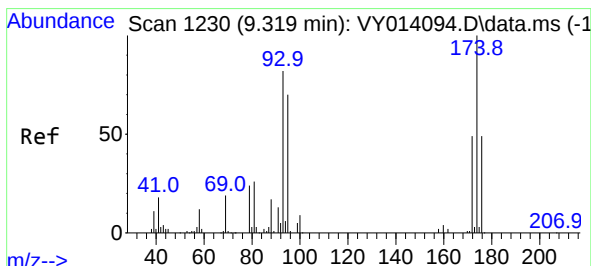
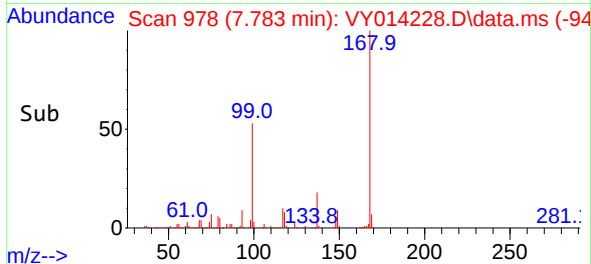
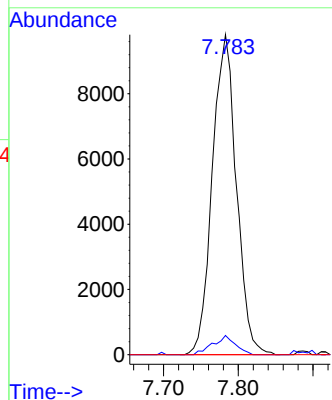
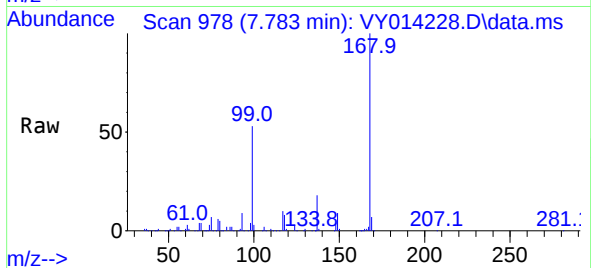




#38
Carbon Tetrachloride
Concen: 5.330 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.115 min
Lab File: VY014228.D
Acq: 19 Jun 2023 14:34

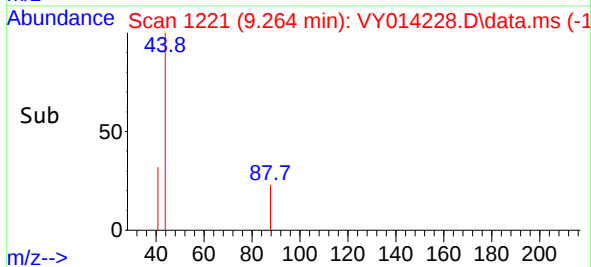
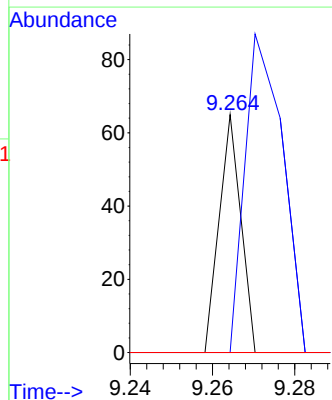
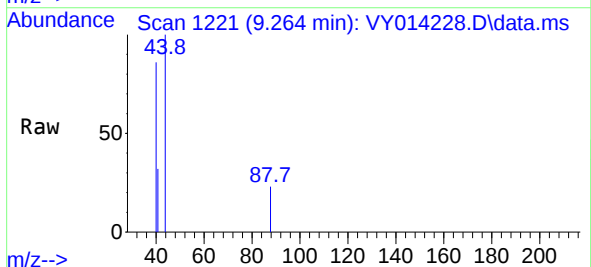
Instrument :
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VY0619SBL01

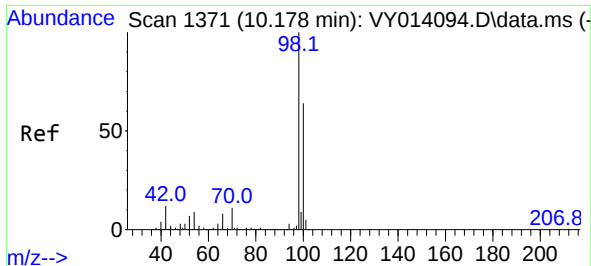
Tgt Ion:117 Resp: 21916
Ion Ratio Lower Upper
117 100
119 6.0 76.4 114.6#
121 0.0 25.8 38.6#



#49
1,4-Dioxane
Concen: 1.140 ug/l
RT: 9.264 min Scan# 1221
Delta R.T. -0.055 min
Lab File: VY014228.D
Acq: 19 Jun 2023 14:34

Tgt Ion: 88 Resp: 24
Ion Ratio Lower Upper
88 100
43 229.2 0.0 0.0#
58 0.0 30.9 46.3#

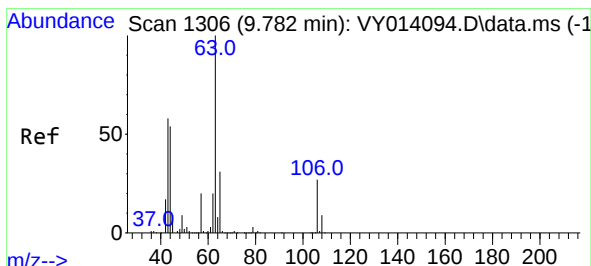
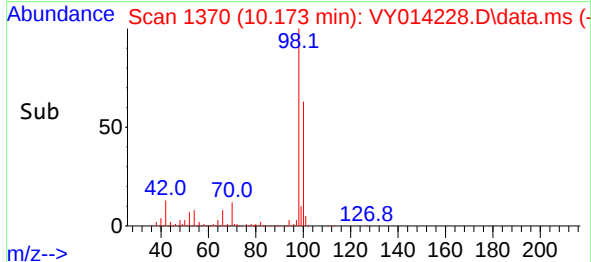
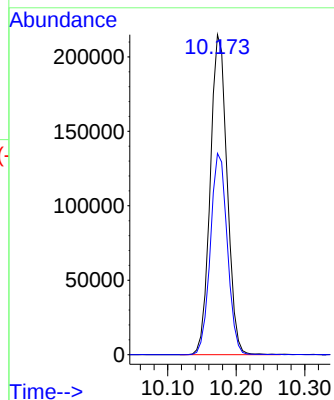
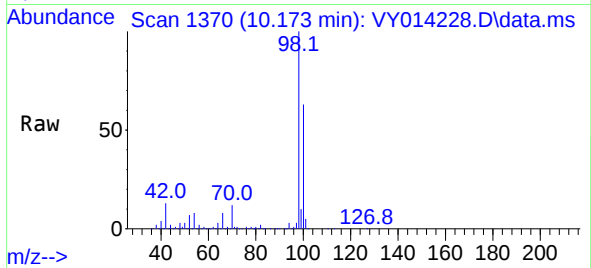




#50
Toluene-d8
Concen: 42.981 ug/l
RT: 10.173 min Scan# 11
Delta R.T. -0.005 min
Lab File: VY014228.D
Acq: 19 Jun 2023 14:34

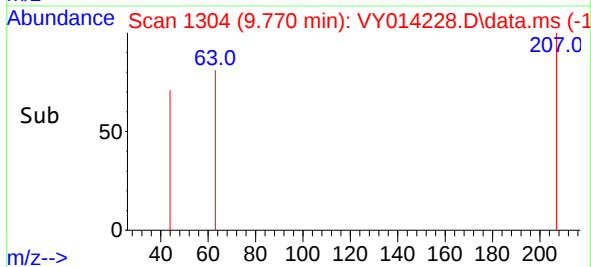
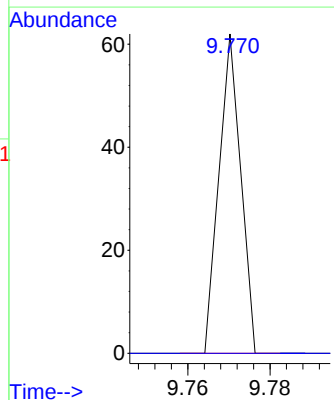
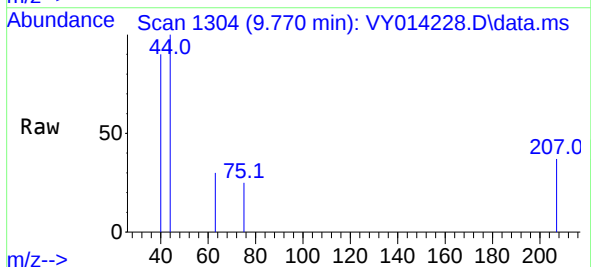
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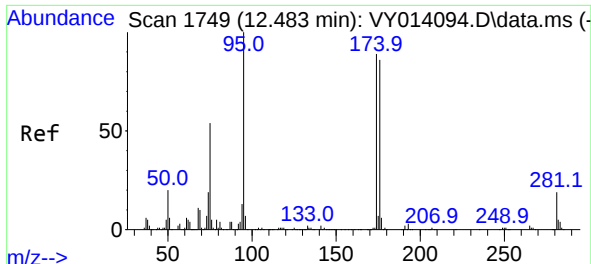
Tgt Ion: 98 Resp: 367257
Ion Ratio Lower Upper
98 100
100 63.1 50.1 75.1



#58
2-Chloroethyl Vinyl ether
Concen: 28.635 ug/l
RT: 9.770 min Scan# 1304
Delta R.T. -0.012 min
Lab File: VY014228.D
Acq: 19 Jun 2023 14:34

Tgt Ion: 63 Resp: 23
Ion Ratio Lower Upper
63 100
106 0.0 21.2 31.8#

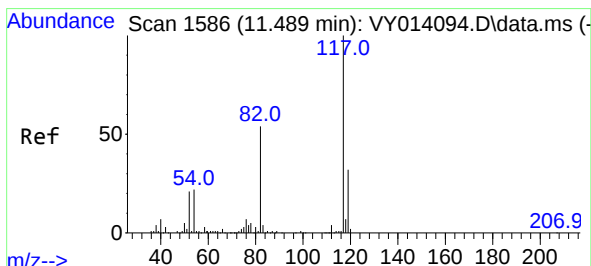
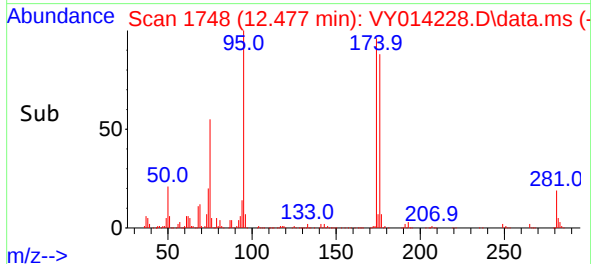
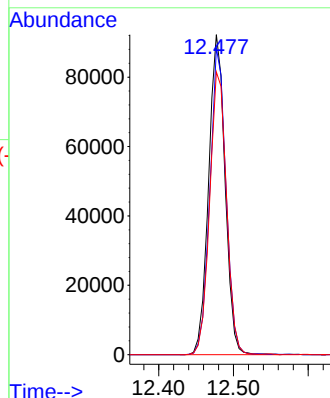
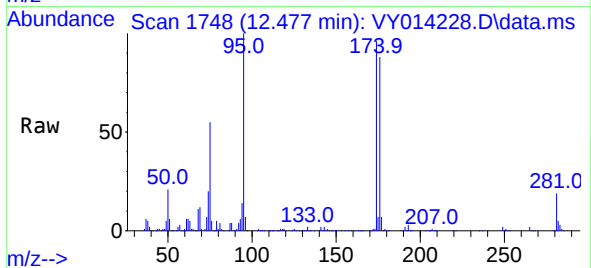




#62
4-Bromofluorobenzene
Concen: 46.423 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY014228.D
Acq: 19 Jun 2023 14:34

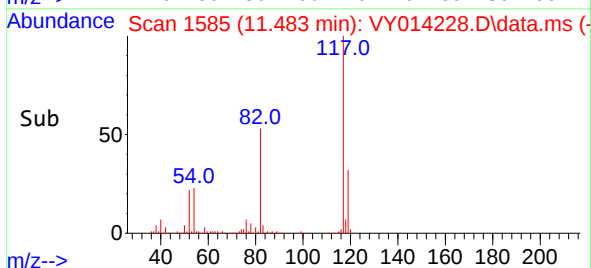
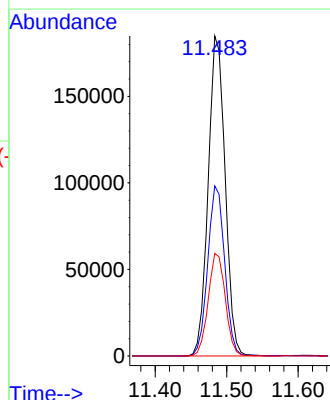
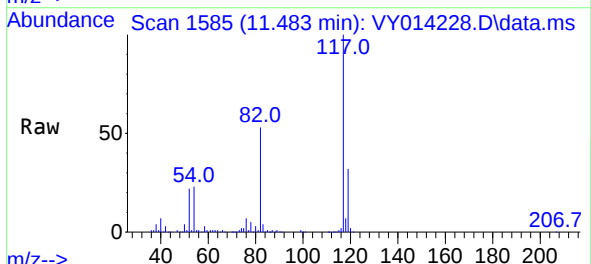
Instrument :
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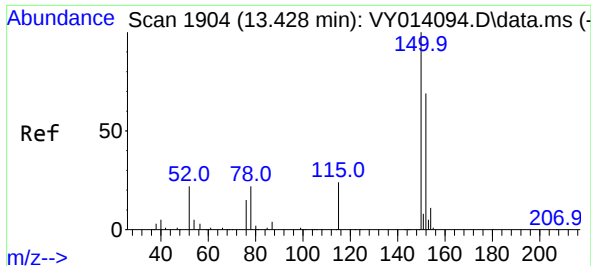
Tgt Ion: 95 Resp: 140908
Ion Ratio Lower Upper
95 100
174 94.5 0.0 178.2
176 90.6 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.483 min Scan# 1585
Delta R.T. -0.006 min
Lab File: VY014228.D
Acq: 19 Jun 2023 14:34

Tgt Ion: 117 Resp: 304364
Ion Ratio Lower Upper
117 100
82 53.1 43.4 65.0
119 32.0 26.3 39.5

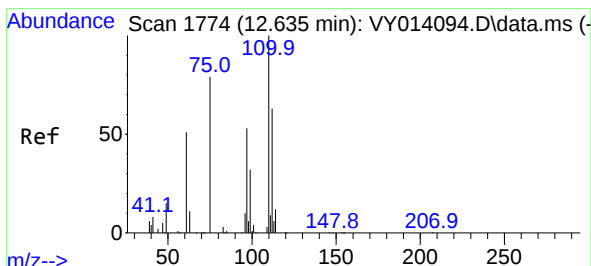
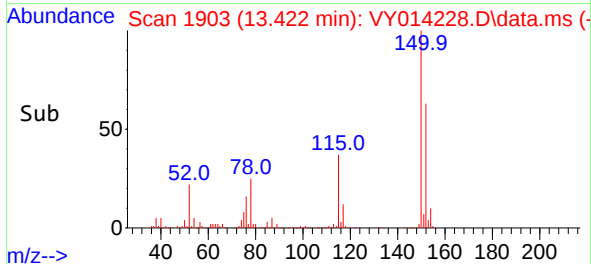
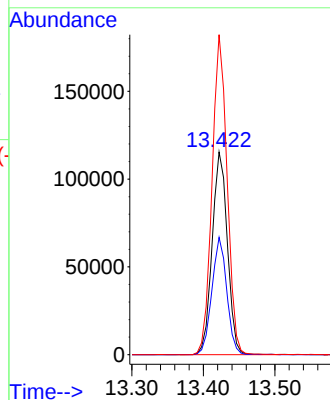
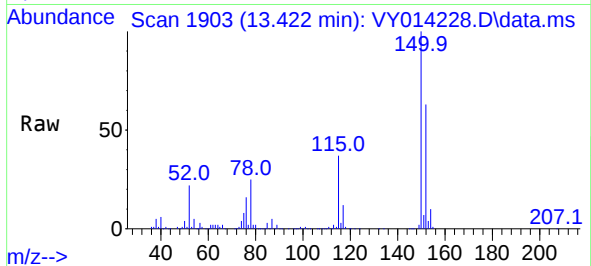




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1904
Delta R.T. -0.006 min
Lab File: VY014228.D
Acq: 19 Jun 2023 14:34

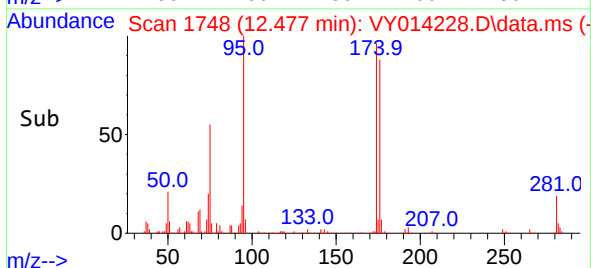
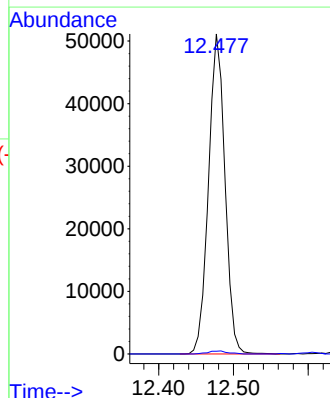
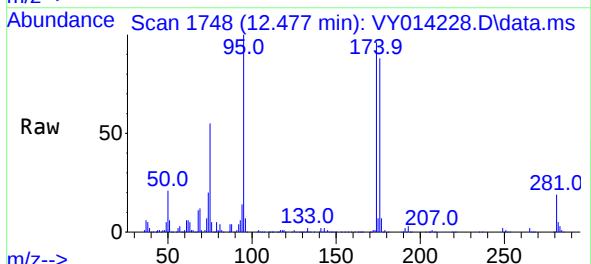
Instrument :
MSVOA_Y
ClientSampleId :
VY0619SBL01

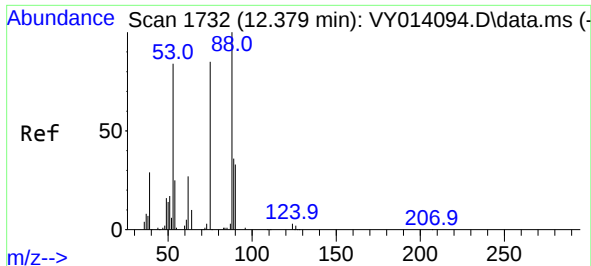
Tgt Ion:152 Resp: 170926
Ion Ratio Lower Upper
152 100
115 56.6 28.8 86.5
150 155.8 0.0 348.8



#76
1,2,3-Trichloropropane
Concen: 34.870 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.158 min
Lab File: VY014228.D
Acq: 19 Jun 2023 14:34

Tgt Ion: 75 Resp: 78196
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 75.375 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.098 min
Lab File: VY014228.D
Acq: 19 Jun 2023 14:34

Instrument :
MSVOA_Y
ClientSampleId :
VY0619SBL01

Tgt Ion: 75 Resp: 78196
Ion Ratio Lower Upper
75 100
53 0.3 77.8 116.8#
89 0.3 37.4 56.0#

