

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091522\
 Data File : VY010514.D
 Acq On : 15 Sep 2022 16:26
 Operator : KP/MD
 Sample : N4612-01
 Misc : 4.41g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CL-01-091322

Quant Time: Sep 16 02:56:36 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090922S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 09 17:08:30 2022
 Response via : Initial Calibration

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

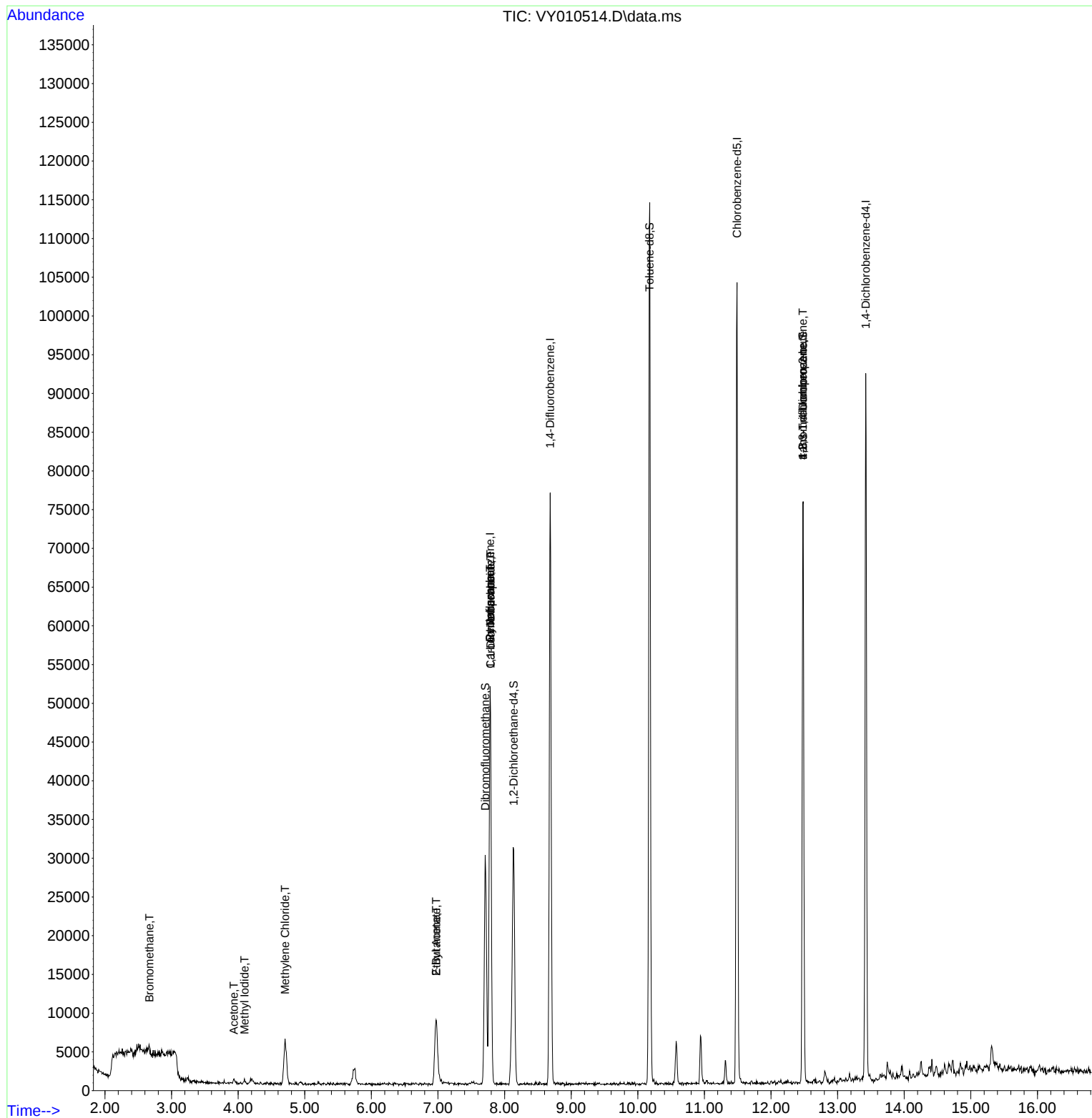
Internal Standards						
1) Pentafluorobenzene	7.783	168	40397	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	65586	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	58744	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	24287	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	21188	52.076	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 104.160%	
35) Dibromofluoromethane	7.710	113	20755	44.558	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 89.120%	
50) Toluene-d8	10.179	98	77417	51.283	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 102.560%	
62) 4-Bromofluorobenzene	12.477	95	23699	38.146	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 76.300%	
Target Compounds						Qvalue
5) Bromomethane	2.668	94	397	1.012	ug/l #	71
10) Methyl Iodide	4.094	142	529	1.029	ug/l #	59
11) Tert butyl alcohol	4.942	59	97	Below Cal	#	77
16) Acetone	3.936	43	842	9.018	ug/l #	87
20) Methylene Chloride	4.704	84	4135	2.639	ug/l #	87
25) 2-Butanone	6.972	43	612	4.124	ug/l #	54
31) Cyclohexane	7.783	56	709	1.032	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	3092	4.849	ug/l #	50
37) Ethyl Acetate	6.972	43	612	1.826	ug/l #	23
38) Carbon Tetrachloride	7.789	117	3967	5.592	ug/l #	17
76) 1,2,3-Trichloropropane	12.477	75	11701	43.653	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	11701	96.925	ug/l #	7

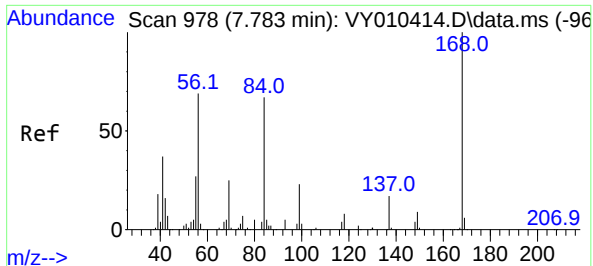
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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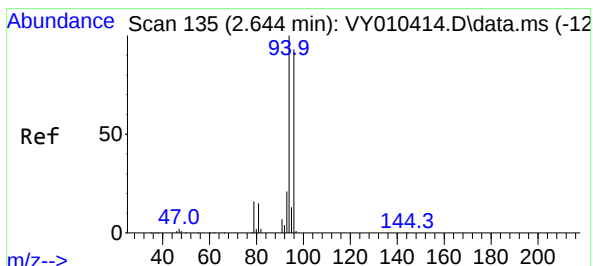
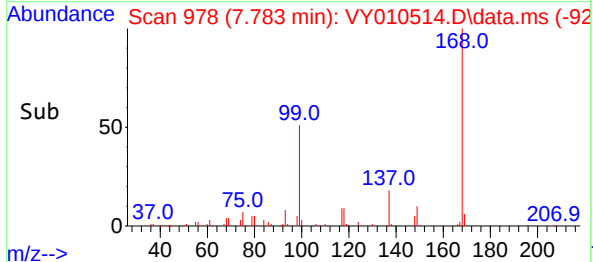
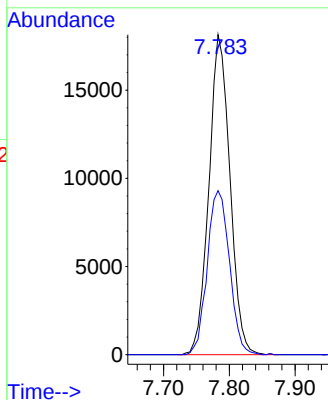
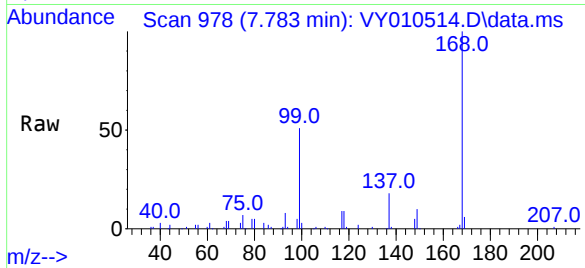




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010514.D
Acq: 15 Sep 2022 16:26

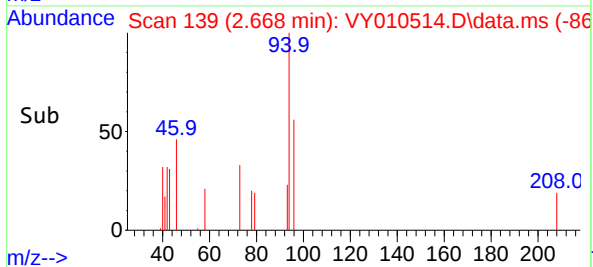
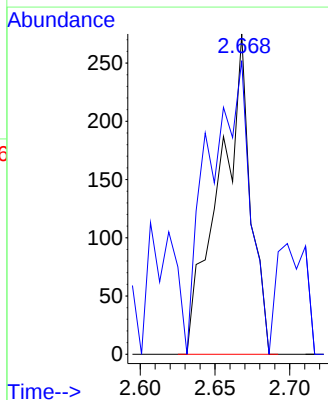
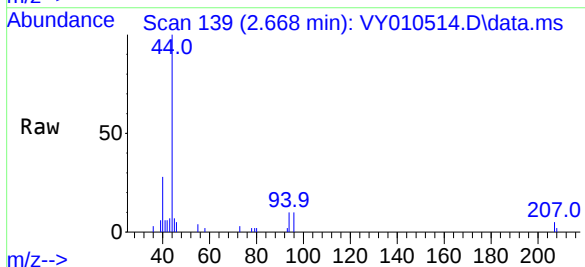
Instrument :
MSVOA_D
ClientSampleId :
CL-01-091322

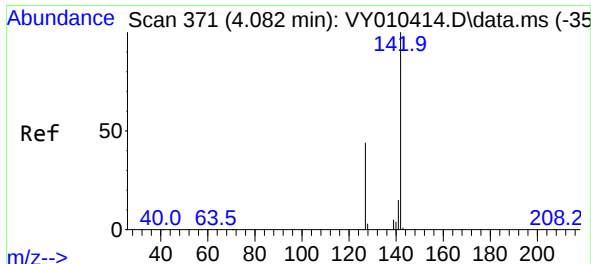
Tgt Ion:168 Resp: 40397
Ion Ratio Lower Upper
168 100
99 51.2 46.9 70.3



#5
Bromomethane
Concen: 1.012 ug/l
RT: 2.668 min Scan# 139
Delta R.T. 0.024 min
Lab File: VY010514.D
Acq: 15 Sep 2022 16:26

Tgt Ion: 94 Resp: 397
Ion Ratio Lower Upper
94 100
96 64.4 73.5 110.3#





#10

Methyl Iodide

Concen: 1.029 ug/l

RT: 4.094 min Scan# 31

Delta R.T. 0.012 min

Lab File: VY010514.D

Acq: 15 Sep 2022 16:26

Instrument :

MSVOA_D

ClientSampleId :

CL-01-091322

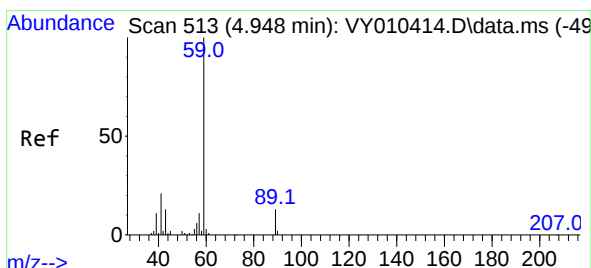
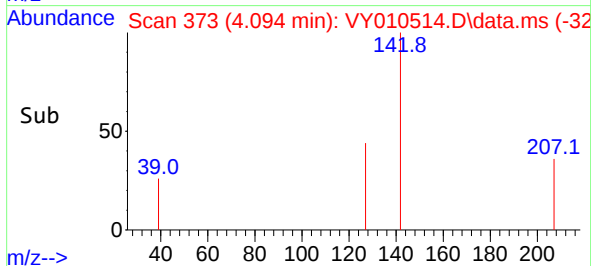
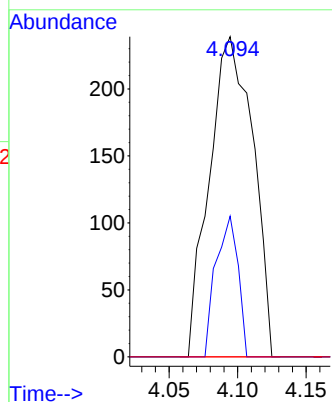
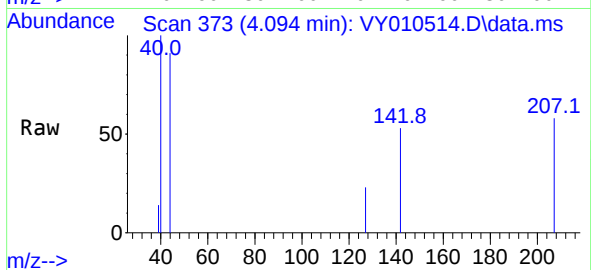
Tgt Ion:142 Resp: 529

Ion Ratio Lower Upper

142 100

127 22.1 41.5 62.3#

141 0.0 11.9 17.9#



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.942 min Scan# 512

Delta R.T. -0.006 min

Lab File: VY010514.D

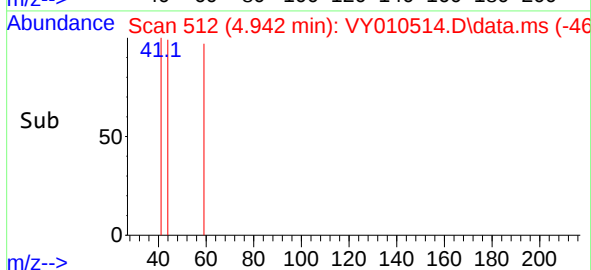
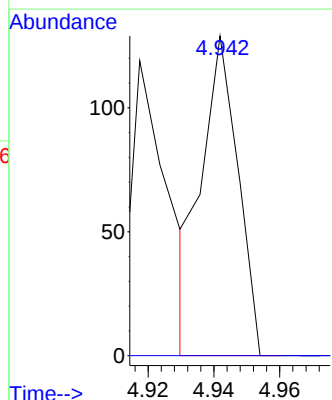
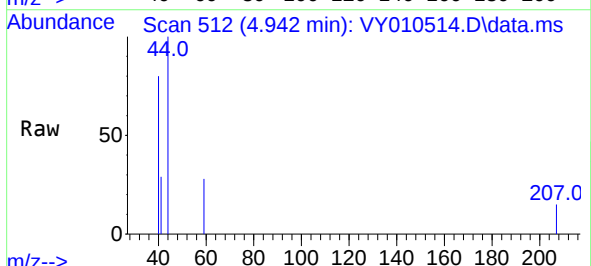
Acq: 15 Sep 2022 16:26

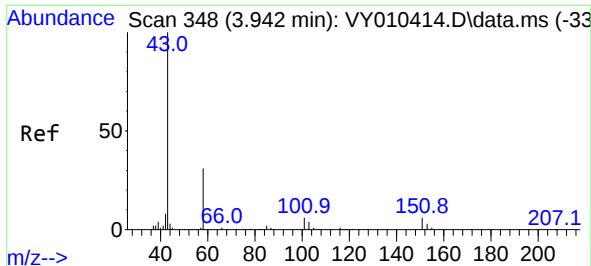
Tgt Ion: 59 Resp: 97

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#

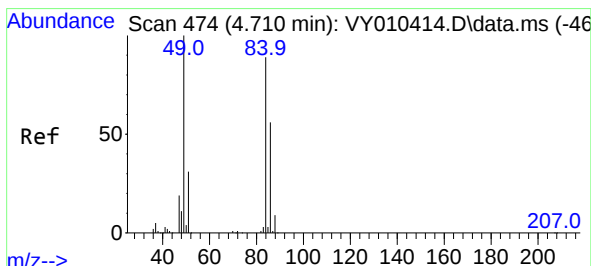
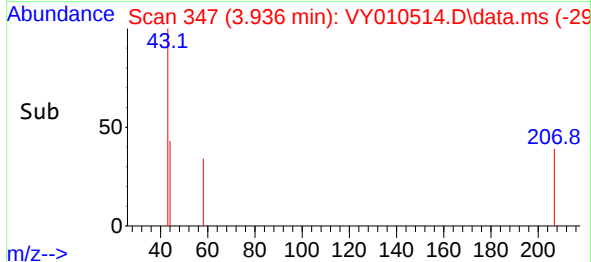
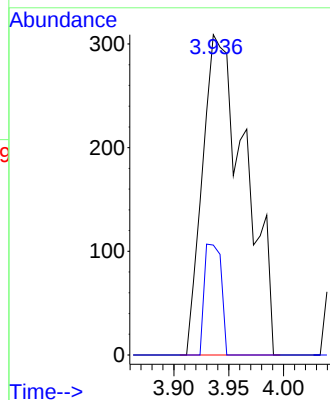
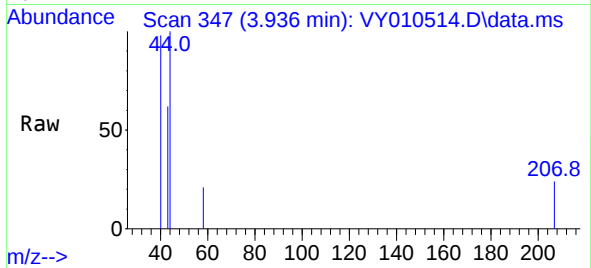




#16
Acetone
Concen: 9.018 ug/l
RT: 3.936 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY010514.D
Acq: 15 Sep 2022 16:26

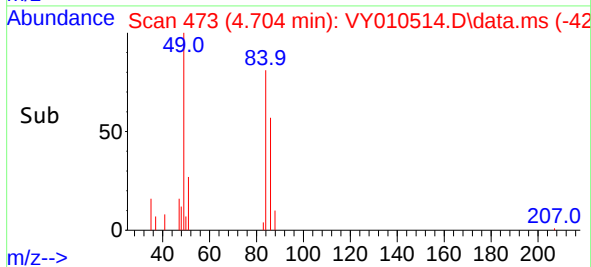
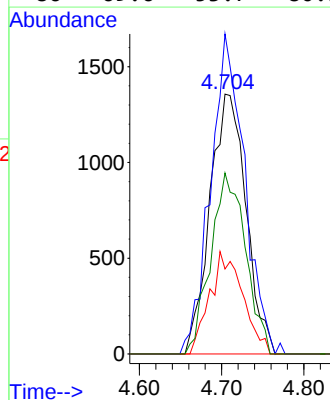
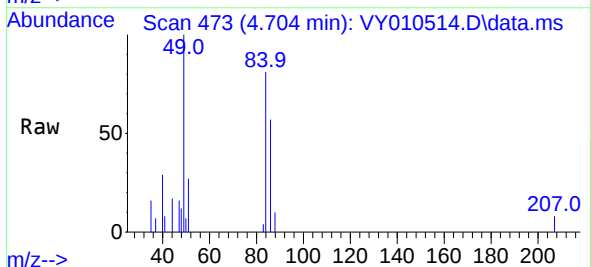
Instrument :
MSVOA_D
ClientSampleId :
CL-01-091322

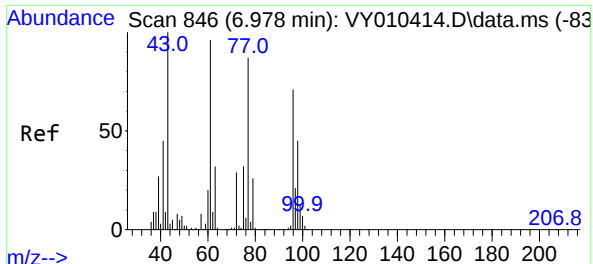
Tgt Ion: 43 Resp: 842
Ion Ratio Lower Upper
43 100
58 34.3 22.0 33.0#



#20
Methylene Chloride
Concen: 2.639 ug/l
RT: 4.704 min Scan# 473
Delta R.T. -0.006 min
Lab File: VY010514.D
Acq: 15 Sep 2022 16:26

Tgt Ion: 84 Resp: 4135
Ion Ratio Lower Upper
84 100
49 123.1 114.4 171.6
51 32.7 35.3 52.9#
86 69.6 53.7 80.5

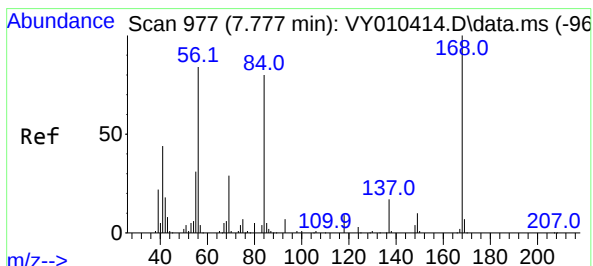
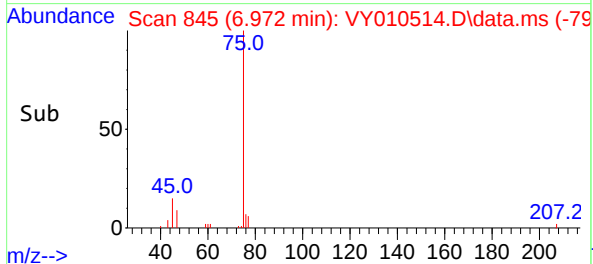
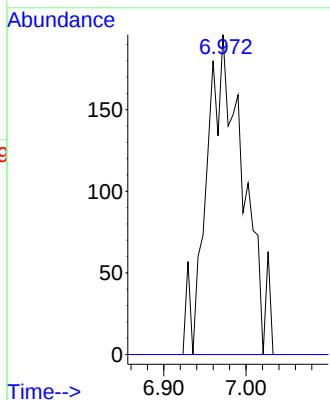
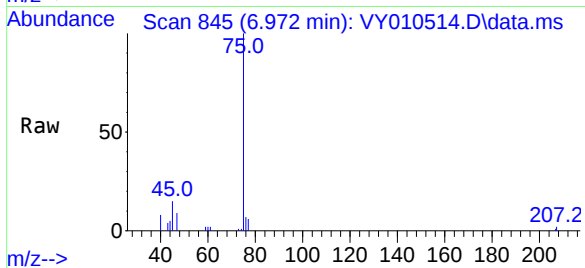




#25
2-Butanone
Concen: 4.124 ug/l
RT: 6.972 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY010514.D
Acq: 15 Sep 2022 16:26

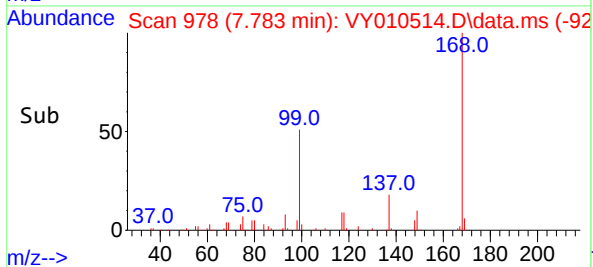
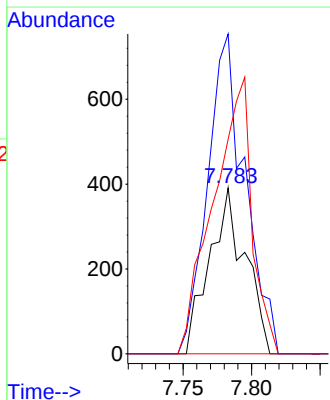
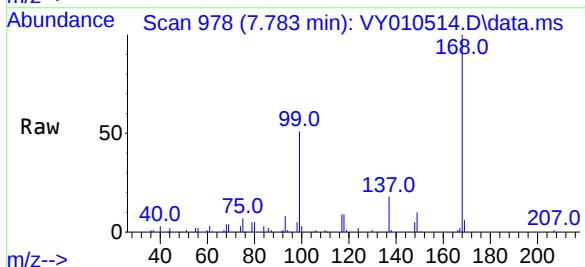
Instrument : MSVOA_D
ClientSampleId : CL-01-091322

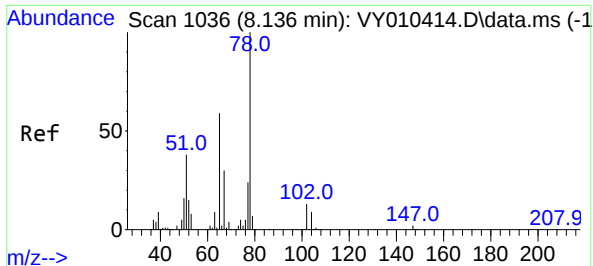
Tgt Ion: 43 Resp: 612
Ion Ratio Lower Upper
43 100
72 0.0 17.7 26.5#



#31
Cyclohexane
Concen: 1.032 ug/l
RT: 7.783 min Scan# 978
Delta R.T. 0.006 min
Lab File: VY010514.D
Acq: 15 Sep 2022 16:26

Tgt Ion: 56 Resp: 709
Ion Ratio Lower Upper
56 100
69 192.8 26.7 40.1#
84 129.4 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 52.076 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY010514.D

Acq: 15 Sep 2022 16:26

Instrument :

MSVOA_D

ClientSampleId :

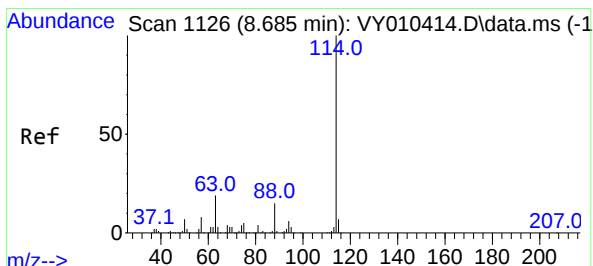
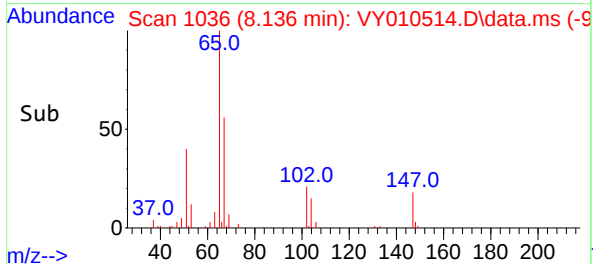
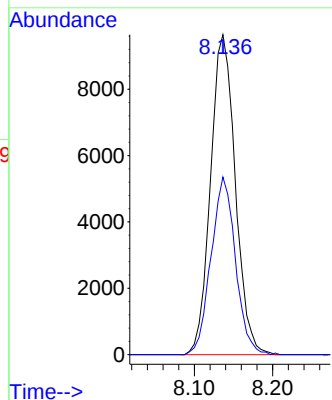
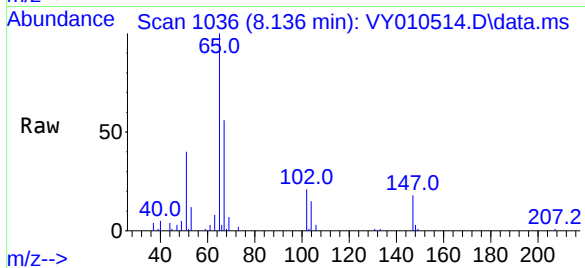
CL-01-091322

Tgt Ion: 65 Resp: 21188

Ion Ratio Lower Upper

65 100

67 54.8 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: VY010514.D

Acq: 15 Sep 2022 16:26

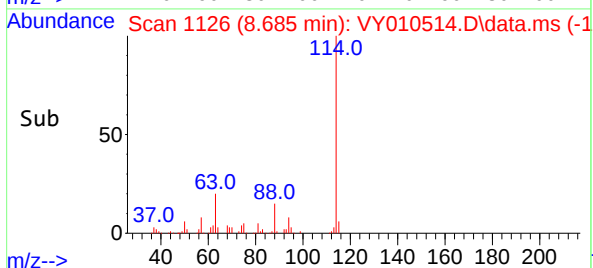
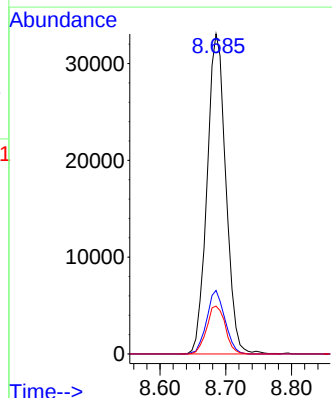
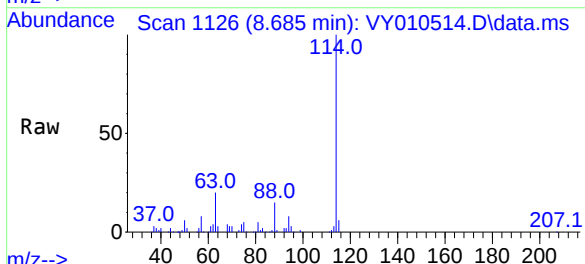
Tgt Ion: 114 Resp: 65586

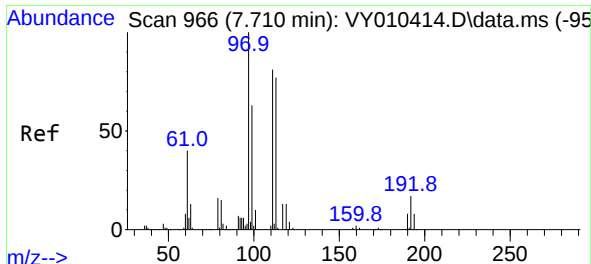
Ion Ratio Lower Upper

114 100

63 19.9 0.0 43.2

88 15.0 0.0 31.8





#35

Dibromofluoromethane

Concen: 44.558 ug/l

RT: 7.710 min Scan# 910

Delta R.T. -0.000 min

Lab File: VY010514.D

Acq: 15 Sep 2022 16:26

Instrument :

MSVOA_D

ClientSampleId :

CL-01-091322

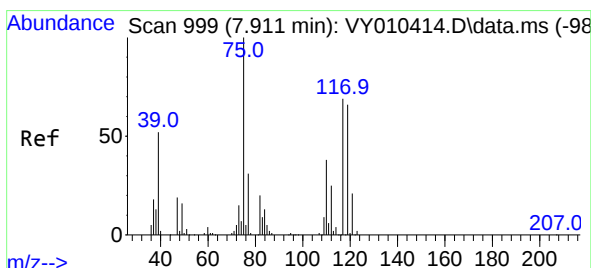
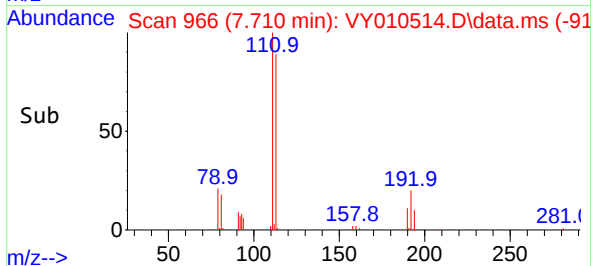
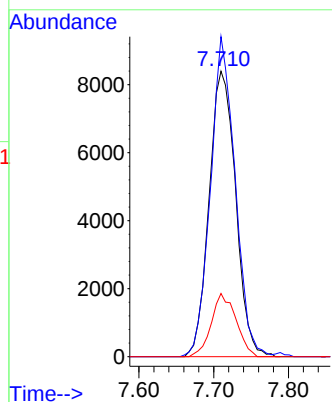
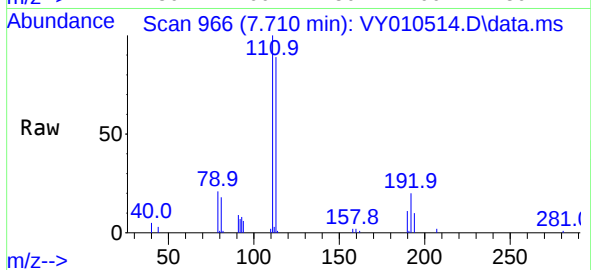
Tgt Ion:113 Resp: 20755

Ion Ratio Lower Upper

113 100

111 104.0 82.6 124.0

192 20.6 17.6 26.4



#36

1,1-Dichloropropene

Concen: 4.849 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.122 min

Lab File: VY010514.D

Acq: 15 Sep 2022 16:26

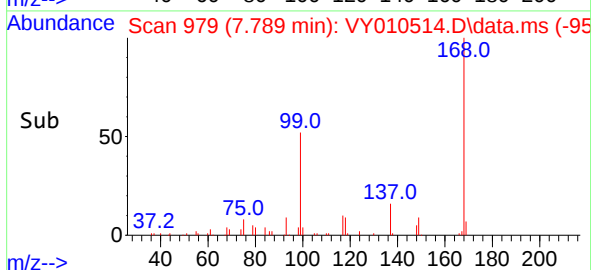
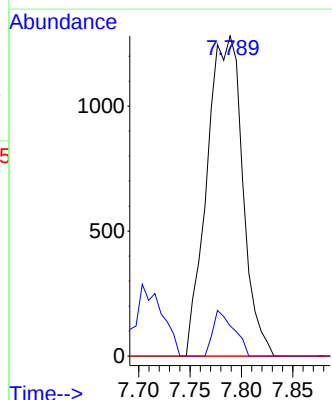
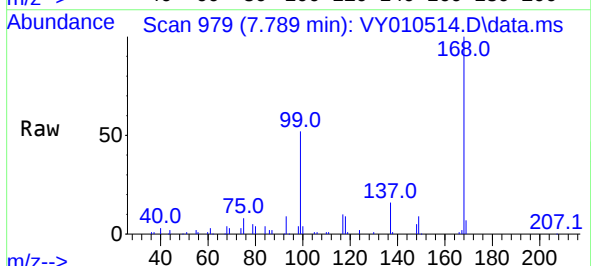
Tgt Ion: 75 Resp: 3092

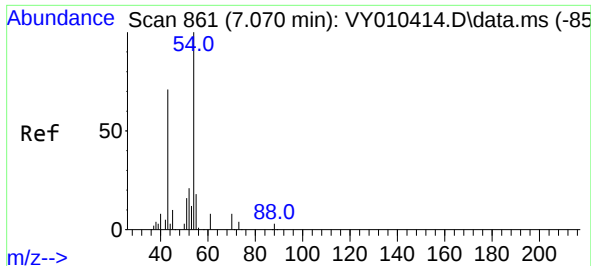
Ion Ratio Lower Upper

75 100

110 8.3 17.1 51.2#

77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 1.826 ug/l

RT: 6.972 min Scan# 84

Delta R.T. -0.098 min

Lab File: VY010514.D

Acq: 15 Sep 2022 16:26

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MSVOA_D

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CL-01-091322

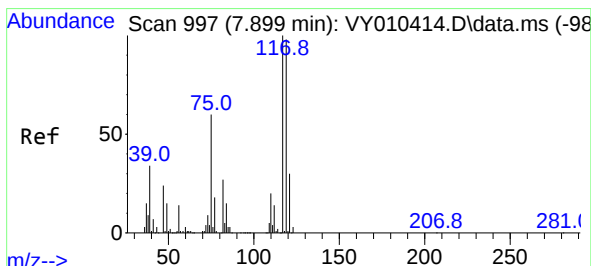
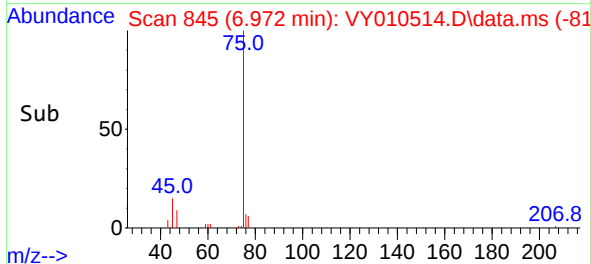
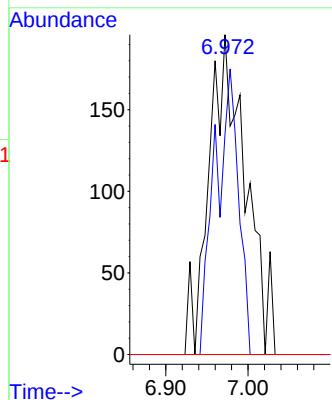
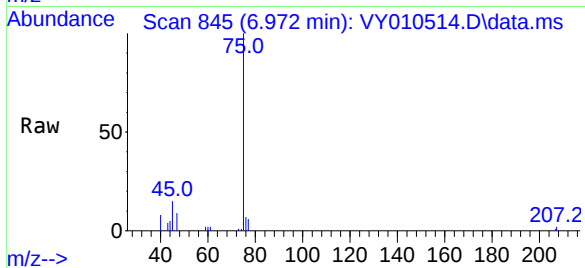
Tgt Ion: 43 Resp: 612

Ion Ratio Lower Upper

43 100

61 56.9 9.7 14.5#

70 0.0 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 5.592 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY010514.D

Acq: 15 Sep 2022 16:26

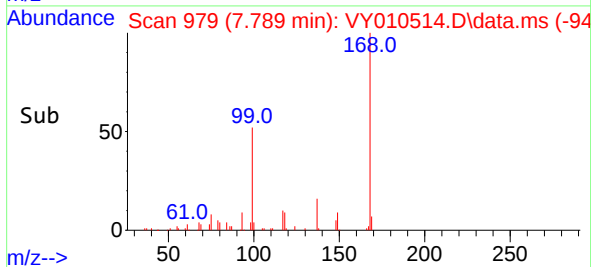
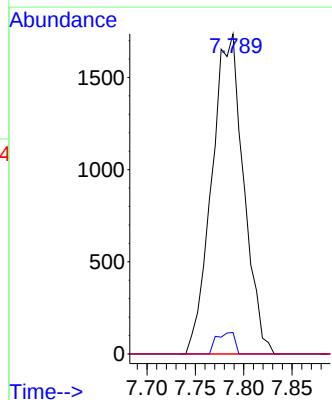
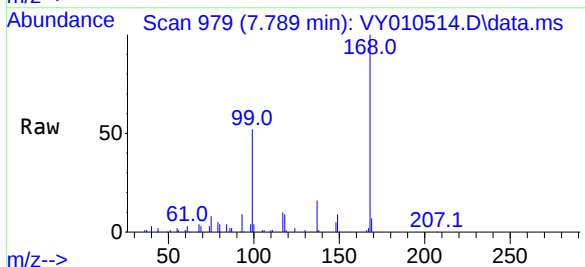
Tgt Ion: 117 Resp: 3967

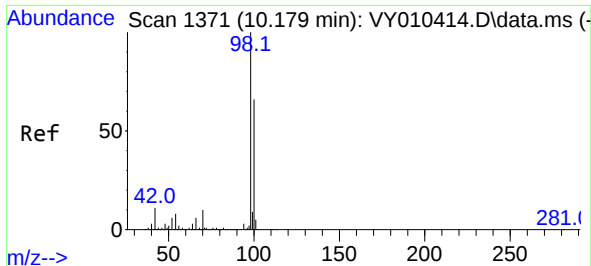
Ion Ratio Lower Upper

117 100

119 6.7 77.9 116.9#

121 0.0 24.8 37.2#

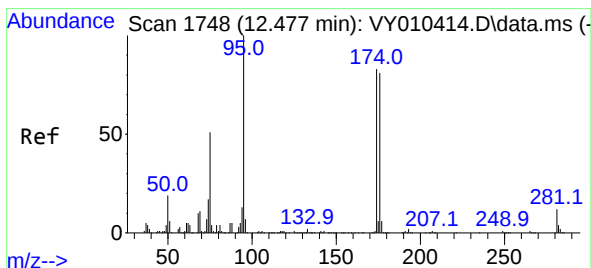
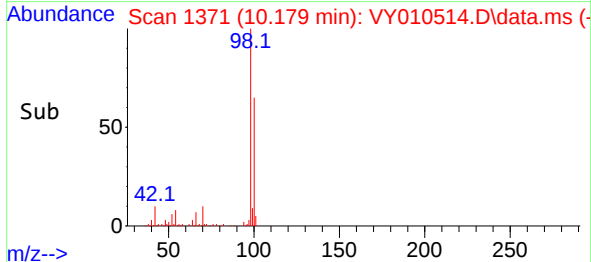
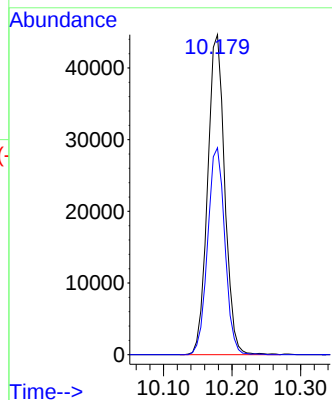
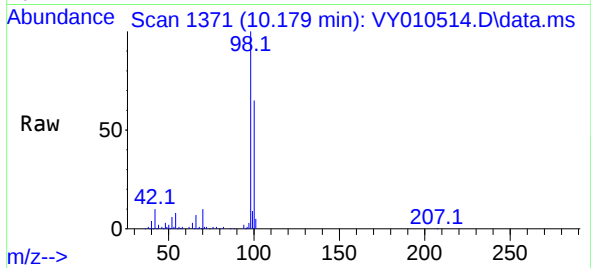




#50
Toluene-d8
Concen: 51.283 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY010514.D
Acq: 15 Sep 2022 16:26

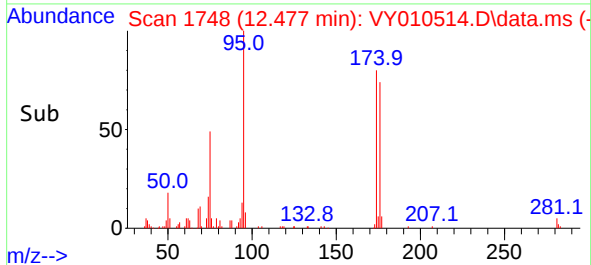
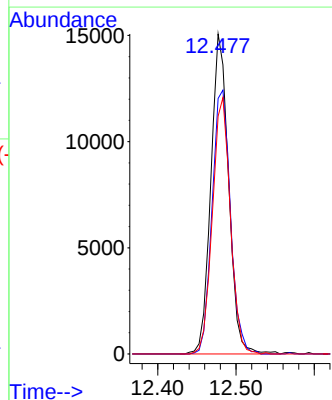
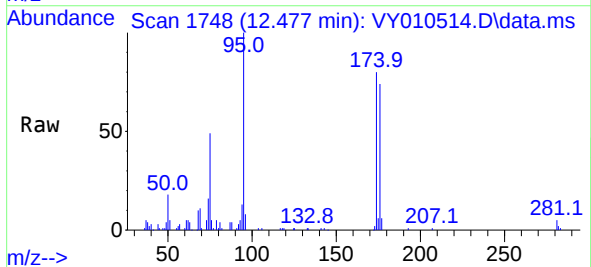
Instrument :
MSVOA_D
ClientSampleId :
CL-01-091322

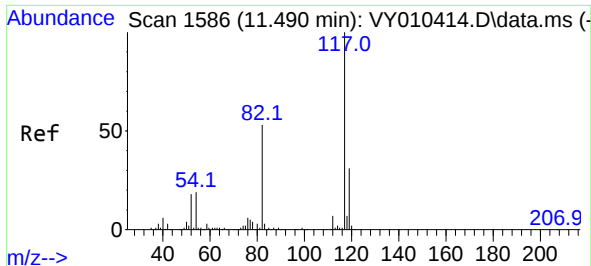
Tgt Ion: 98 Resp: 77417
Ion Ratio Lower Upper
98 100
100 65.0 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 38.146 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY010514.D
Acq: 15 Sep 2022 16:26

Tgt Ion: 95 Resp: 23699
Ion Ratio Lower Upper
95 100
174 85.4 0.0 177.0
176 81.1 0.0 175.8

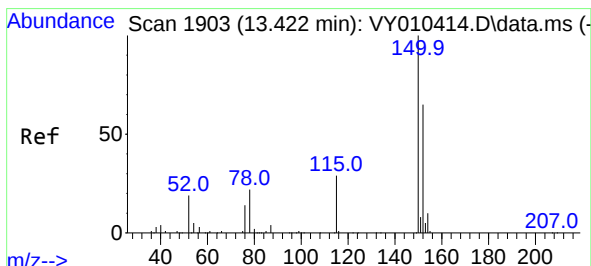
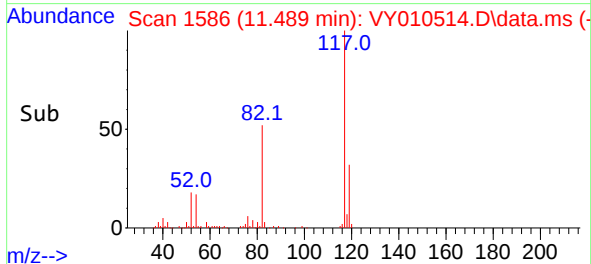
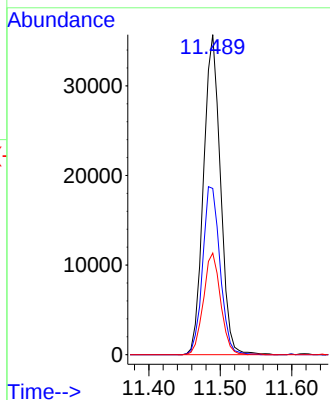
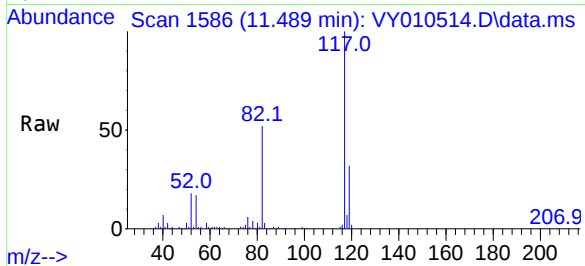




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY010514.D
Acq: 15 Sep 2022 16:26

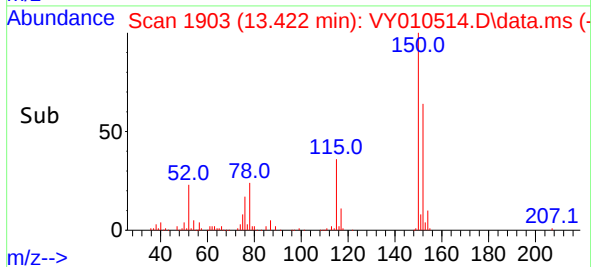
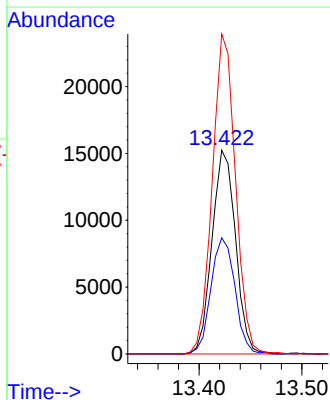
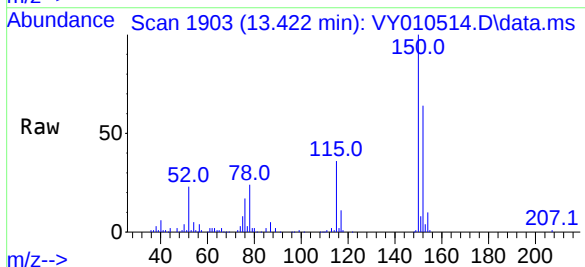
Instrument :
MSVOA_D
ClientSampleId :
CL-01-091322

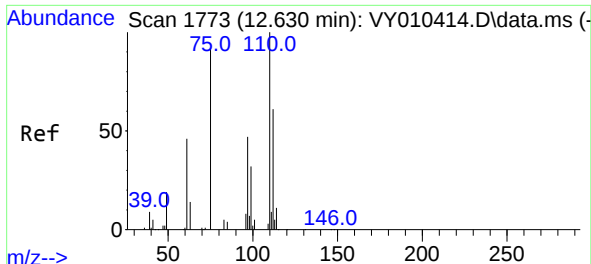
Tgt Ion:117 Resp: 58744
Ion Ratio Lower Upper
117 100
82 52.0 43.0 64.4
119 31.8 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY010514.D
Acq: 15 Sep 2022 16:26

Tgt Ion:152 Resp: 24287
Ion Ratio Lower Upper
152 100
115 58.0 28.2 84.7
150 154.6 0.0 347.6

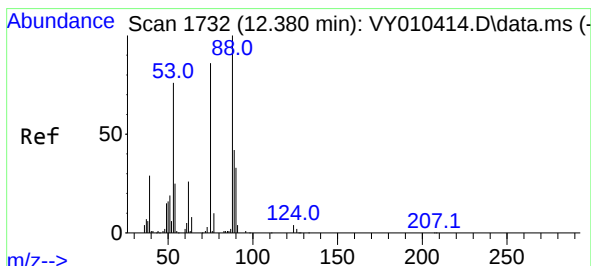
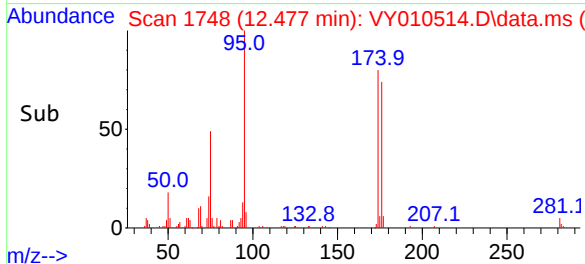
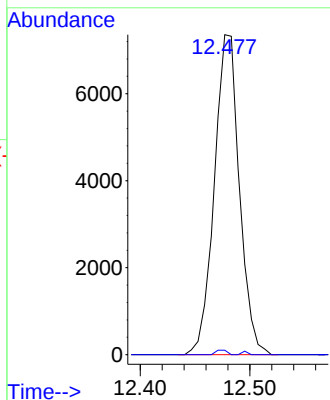
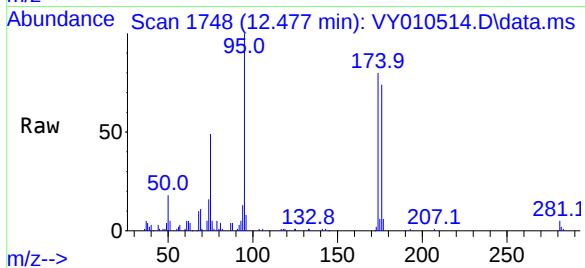




#76
1,2,3-Trichloropropane
Concen: 43.653 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY010514.D
Acq: 15 Sep 2022 16:26

Instrument :
MSVOA_D
ClientSampleId :
CL-01-091322

Tgt Ion: 75 Resp: 11701
Ion Ratio Lower Upper
75 100
77 0.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 96.925 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.097 min
Lab File: VY010514.D
Acq: 15 Sep 2022 16:26

Tgt Ion: 75 Resp: 11701
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#

