

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102022\
 Data File : VY011022.D
 Acq On : 20 Oct 2022 14:05
 Operator : KP/MD
 Sample : N5193-02
 Misc : 6.09g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LSP-DS-01-09-11

Quant Time: Oct 20 22:23:07 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101722S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 18 01:42:42 2022
 Response via : Initial Calibration

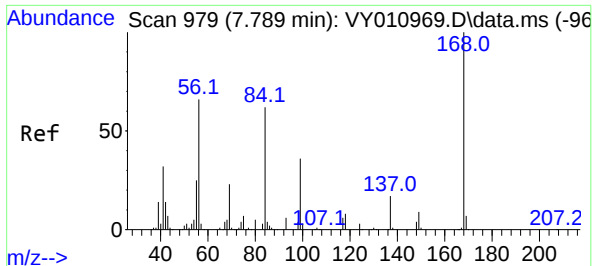
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.789	168	301014	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	499578	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	390193	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	124726	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	165149	59.561	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 119.120%	
35) Dibromofluoromethane	7.716	113	160676	58.045	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 116.080%	
50) Toluene-d8	10.179	98	602749	57.783	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 115.560%	
62) 4-Bromofluorobenzene	12.483	95	165214	44.366	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 88.740%	
Target Compounds						Qvalue
11) Tert butyl alcohol	4.942	59	267	Below Cal	#	77
16) Acetone	3.948	43	17898	22.228	ug/l	90
17) Carbon Disulfide	4.192	76	10211	1.220	ug/l	100
18) Methyl Acetate	4.478	43	48	Below Cal	#	56
20) Methylene Chloride	4.710	84	21151	Below Cal	#	77
25) 2-Butanone	6.990	43	3508	2.873	ug/l	# 86
31) Cyclohexane	7.783	56	5709	1.076	ug/l	# 1
36) 1,1-Dichloropropene	7.783	75	22702	4.882	ug/l	# 51
37) Ethyl Acetate	6.990	43	3508	1.362	ug/l	# 75
38) Carbon Tetrachloride	7.789	117	28988	6.038	ug/l	# 16
58) 2-Chloroethyl Vinyl ether	9.782	63	28	16.975	ug/l	# 48
76) 1,2,3-Trichloropropane	12.483	75	83810	59.186	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	83810	127.293	ug/l	# 7

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

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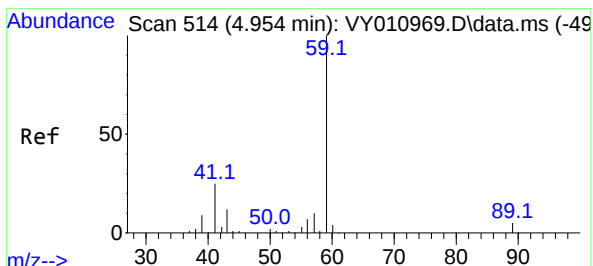
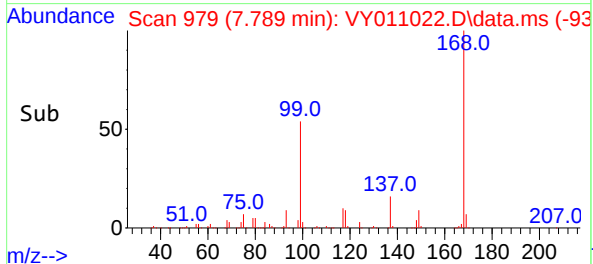
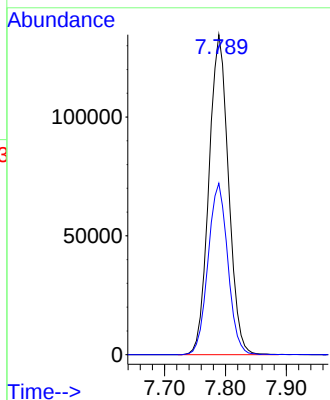
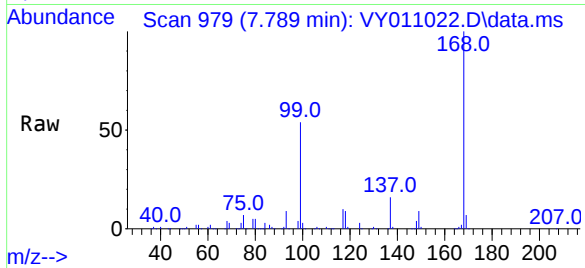




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011022.D
Acq: 20 Oct 2022 14:05

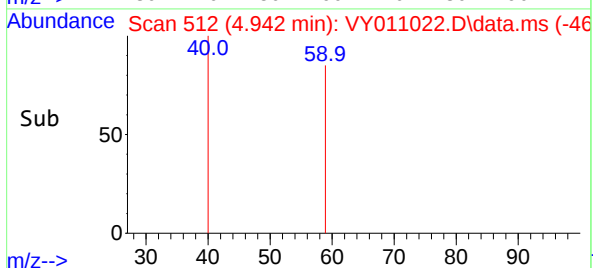
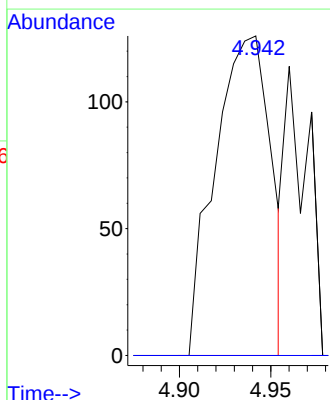
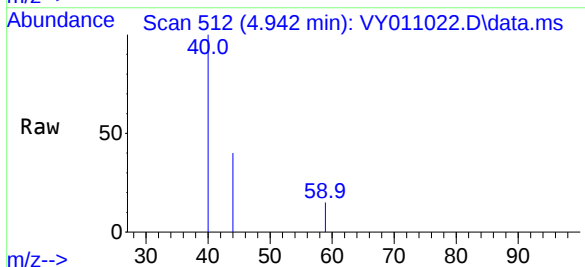
Instrument :
MSVOA_Y
ClientSampleId :
LSP-DS-01-09-11

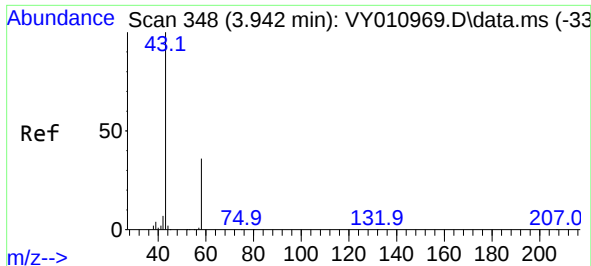
Tgt Ion:168 Resp: 301014
Ion Ratio Lower Upper
168 100
99 53.5 46.9 70.3



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.942 min Scan# 512
Delta R.T. -0.012 min
Lab File: VY011022.D
Acq: 20 Oct 2022 14:05

Tgt Ion: 59 Resp: 267
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

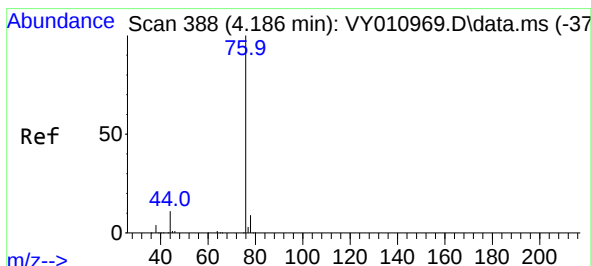
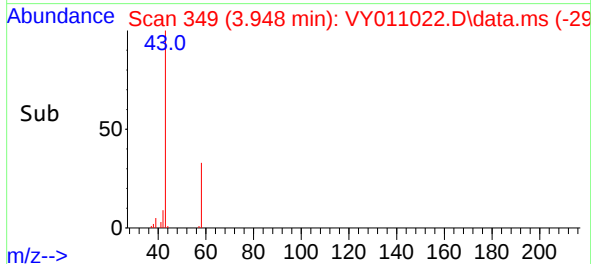
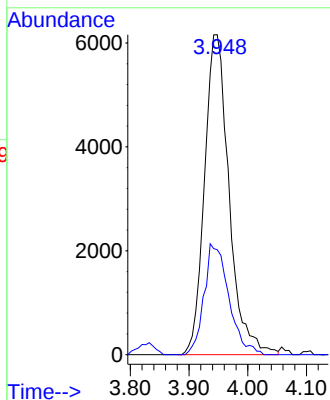
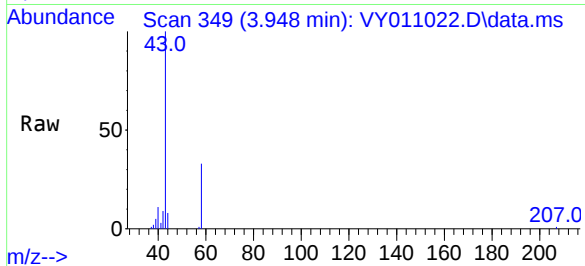




#16
Acetone
Concen: 22.228 ug/l
RT: 3.948 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY011022.D
Acq: 20 Oct 2022 14:05

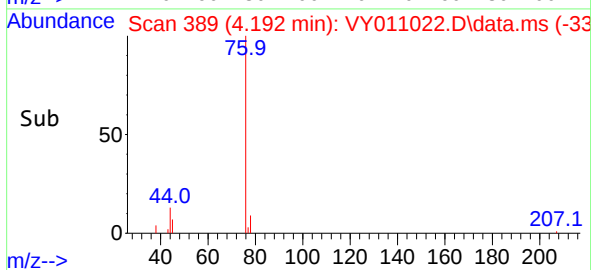
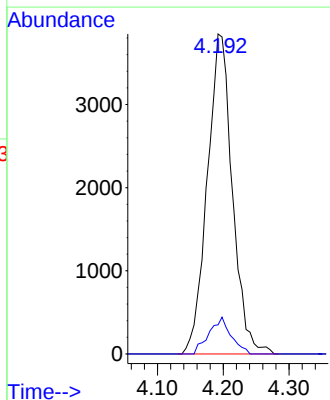
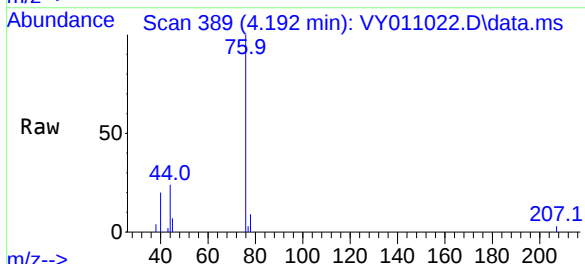
Instrument :
MSVOA_Y
ClientSampleId :
LSP-DS-01-09-11

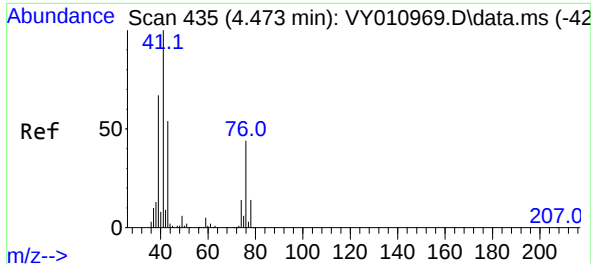
Tgt Ion: 43 Resp: 17898
Ion Ratio Lower Upper
43 100
58 32.8 22.0 33.0



#17
Carbon Disulfide
Concen: 1.220 ug/l
RT: 4.192 min Scan# 389
Delta R.T. 0.006 min
Lab File: VY011022.D
Acq: 20 Oct 2022 14:05

Tgt Ion: 76 Resp: 10211
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.0





#18

Methyl Acetate

Concen: Below Cal

RT: 4.478 min Scan# 41

Delta R.T. 0.005 min

Lab File: VY011022.D

Acq: 20 Oct 2022 14:05

Instrument :

MSVOA_Y

ClientSampleId :

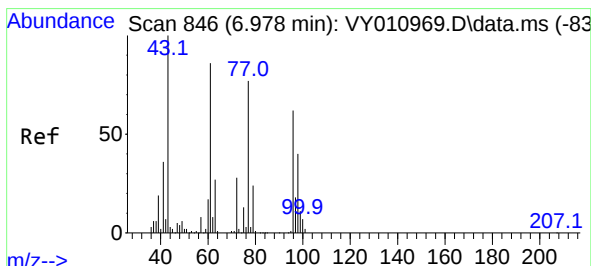
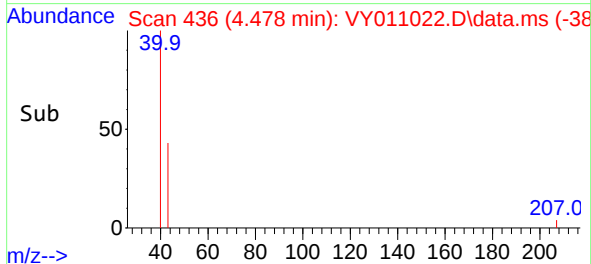
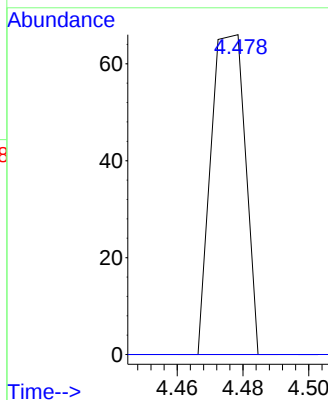
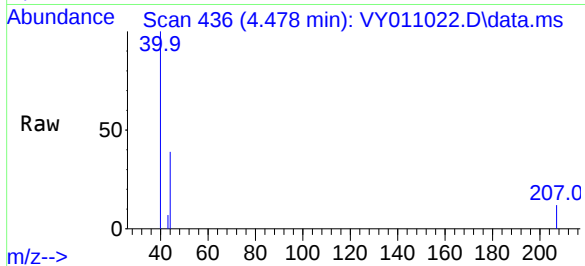
LSP-DS-01-09-11

Tgt Ion: 43 Resp: 48

Ion Ratio Lower Upper

43 100

74 0.0 16.6 24.8#



#25

2-Butanone

Concen: 2.873 ug/l

RT: 6.990 min Scan# 848

Delta R.T. 0.012 min

Lab File: VY011022.D

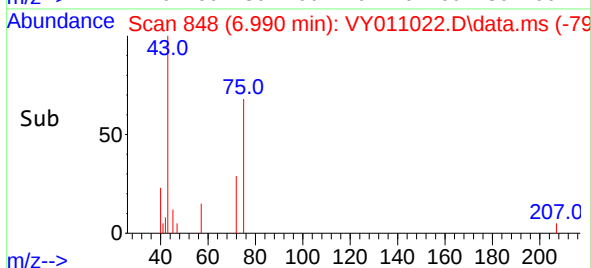
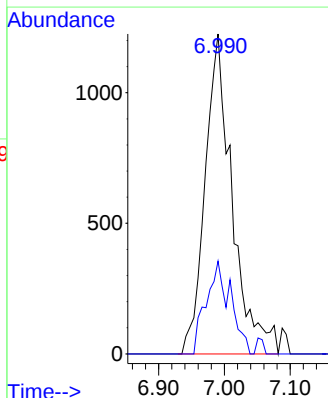
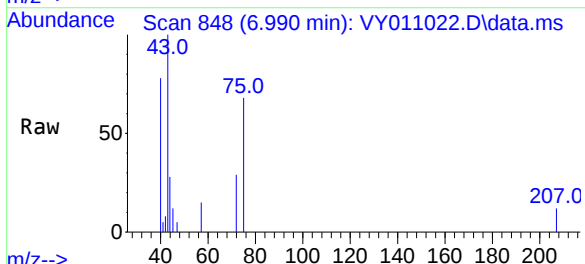
Acq: 20 Oct 2022 14:05

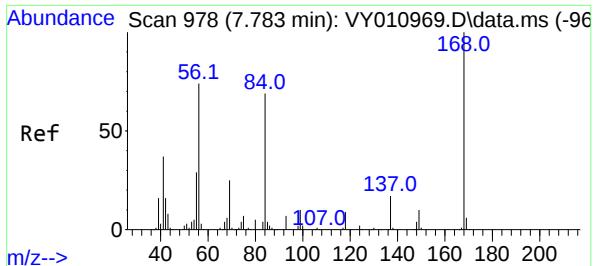
Tgt Ion: 43 Resp: 3508

Ion Ratio Lower Upper

43 100

72 29.0 17.7 26.5#

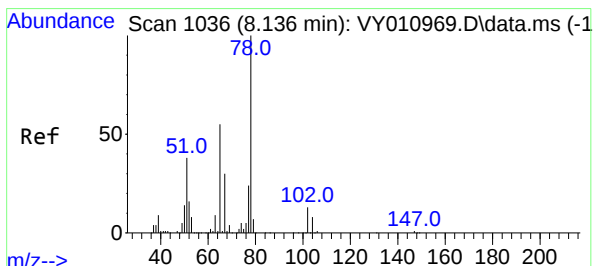
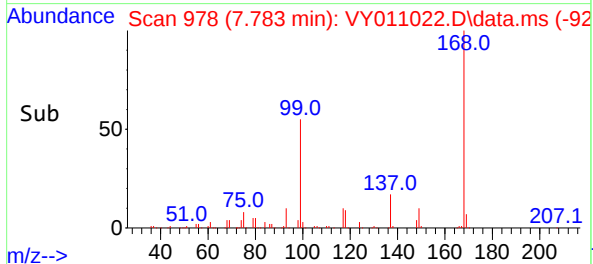
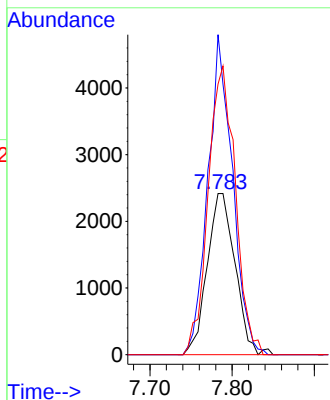
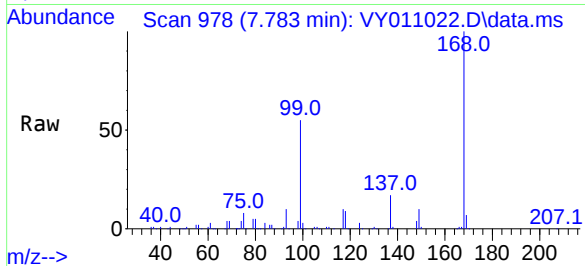




#31
Cyclohexane
Concen: 1.076 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011022.D
Acq: 20 Oct 2022 14:05

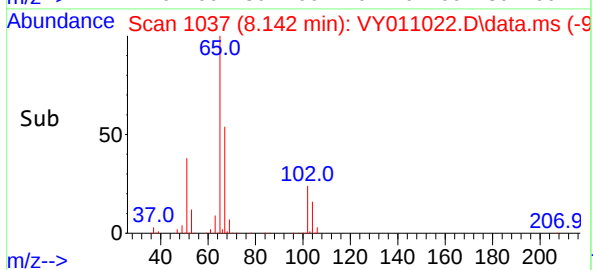
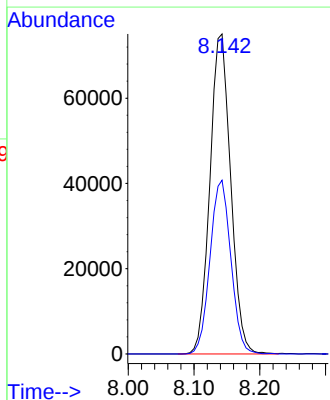
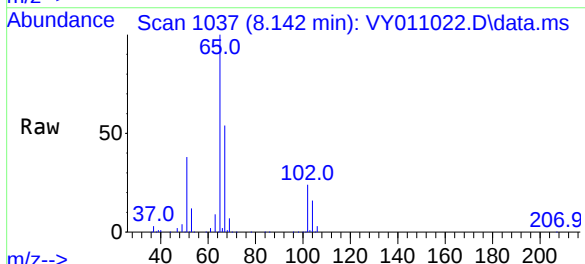
Instrument :
MSVOA_Y
ClientSampleId :
LSP-DS-01-09-11

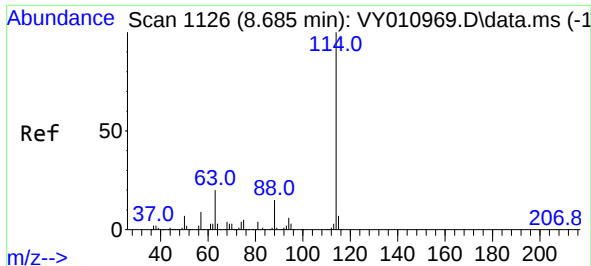
Tgt Ion: 56 Resp: 5709
Ion Ratio Lower Upper
56 100
69 198.6 26.7 40.1#
84 167.9 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 59.561 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY011022.D
Acq: 20 Oct 2022 14:05

Tgt Ion: 65 Resp: 165149
Ion Ratio Lower Upper
65 100
67 54.4 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VY011022.D

Acq: 20 Oct 2022 14:05

Instrument :

MSVOA_Y

ClientSampleId :

LSP-DS-01-09-11

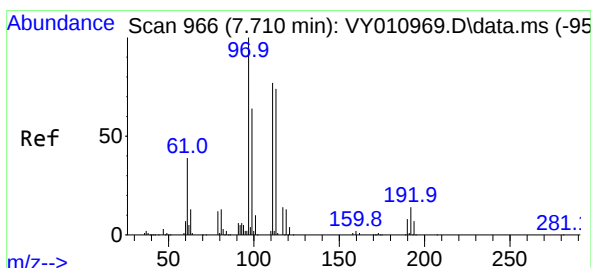
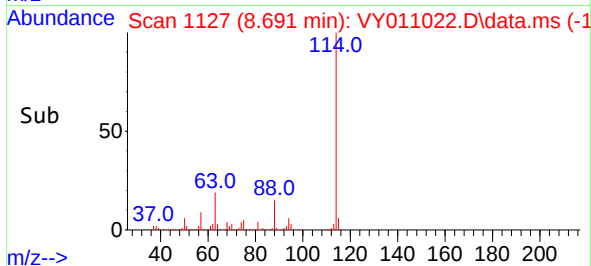
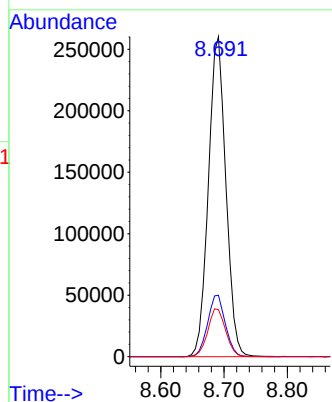
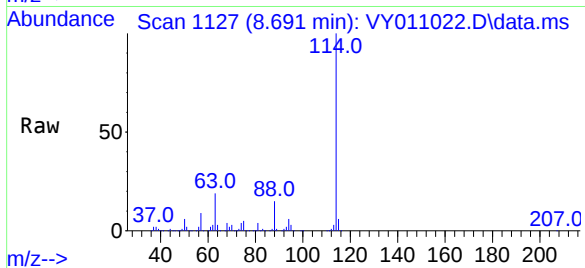
Tgt Ion:114 Resp: 499578

Ion Ratio Lower Upper

114 100

63 19.2 0.0 43.2

88 14.7 0.0 31.8



#35

Dibromofluoromethane

Concen: 58.045 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.006 min

Lab File: VY011022.D

Acq: 20 Oct 2022 14:05

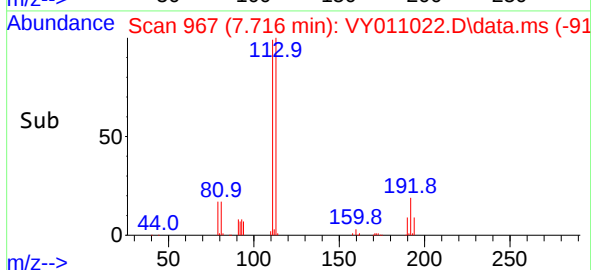
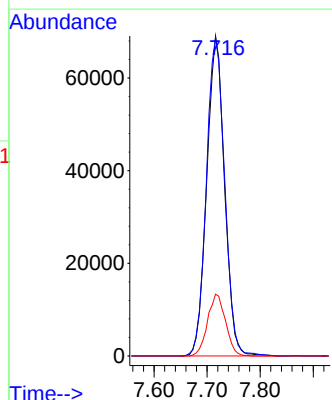
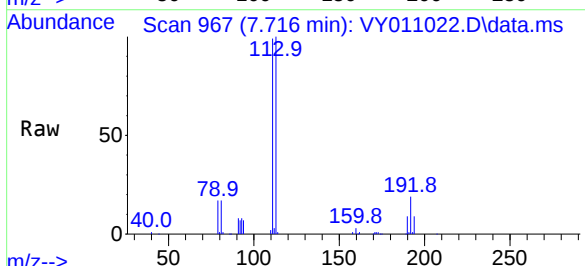
Tgt Ion:113 Resp: 160676

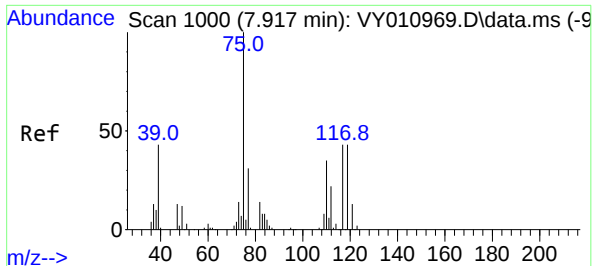
Ion Ratio Lower Upper

113 100

111 102.5 82.6 124.0

192 19.5 17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.882 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY011022.D

Acq: 20 Oct 2022 14:05

Instrument :

MSVOA_Y

ClientSampleId :

LSP-DS-01-09-11

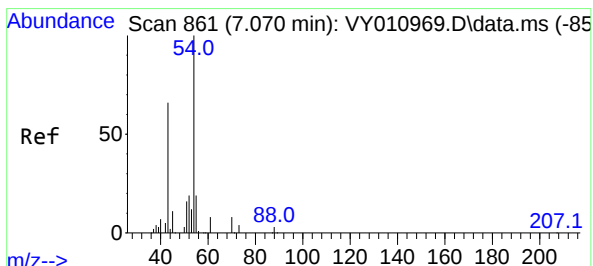
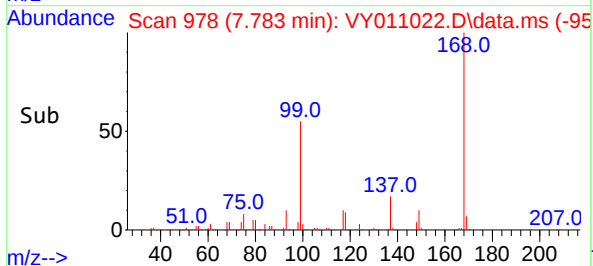
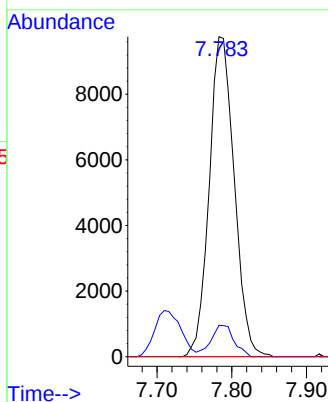
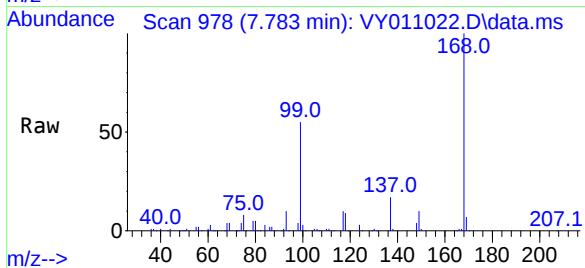
Tgt Ion: 75 Resp: 22702

Ion Ratio Lower Upper

75 100

110 9.1 17.1 51.2#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 1.362 ug/l

RT: 6.990 min Scan# 848

Delta R.T. -0.080 min

Lab File: VY011022.D

Acq: 20 Oct 2022 14:05

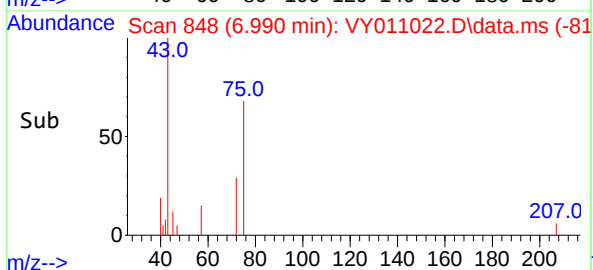
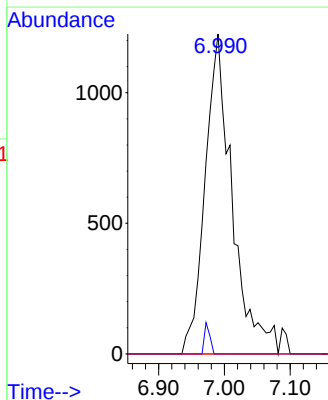
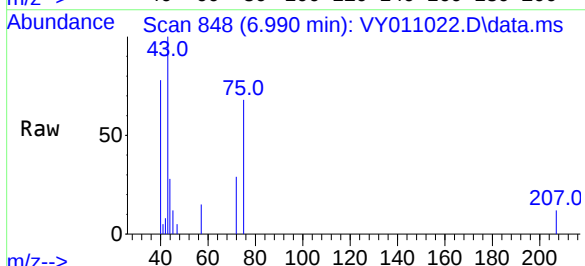
Tgt Ion: 43 Resp: 3508

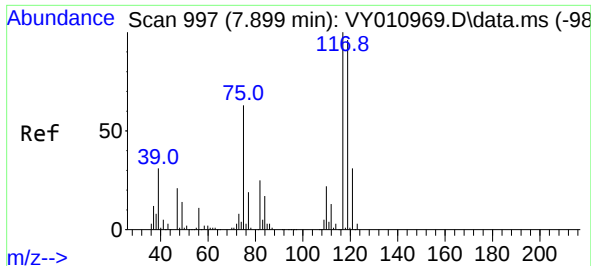
Ion Ratio Lower Upper

43 100

61 1.9 9.7 14.5#

70 0.0 7.1 10.7#

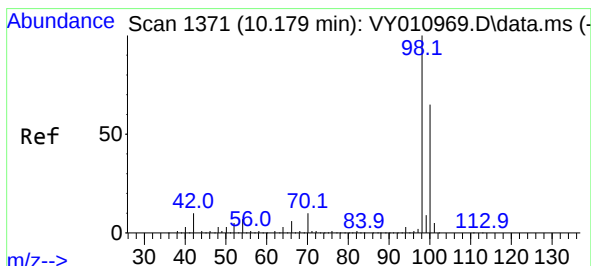
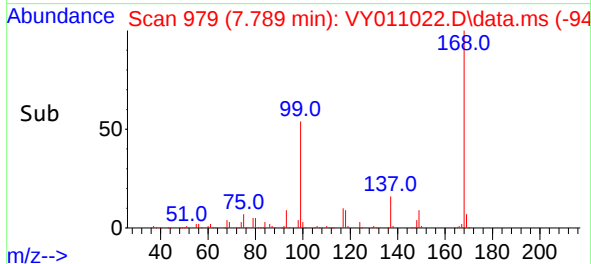
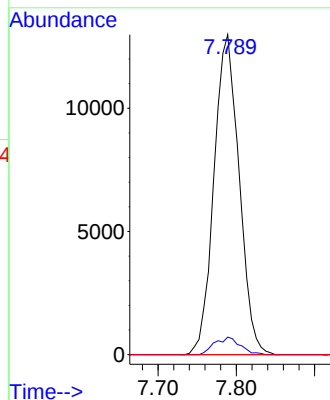
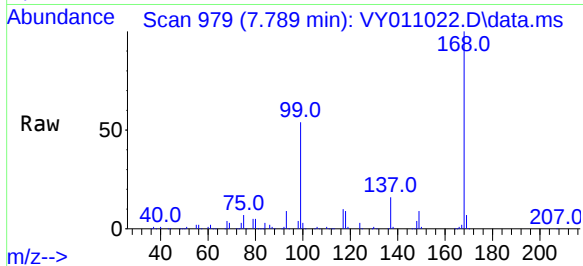




#38
Carbon Tetrachloride
Concen: 6.038 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY011022.D
Acq: 20 Oct 2022 14:05

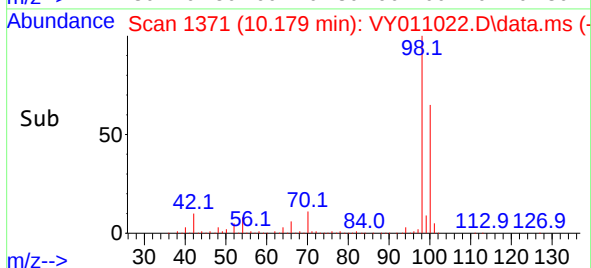
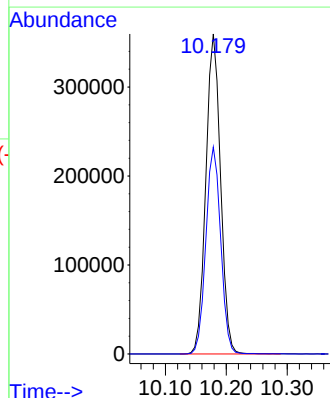
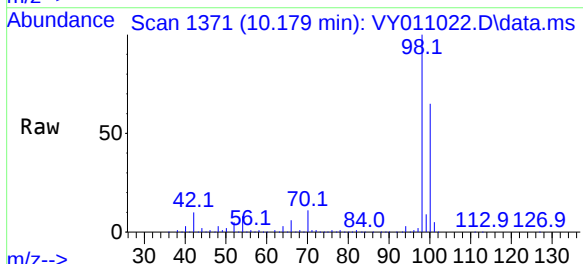
Instrument :
MSVOA_Y
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LSP-DS-01-09-11

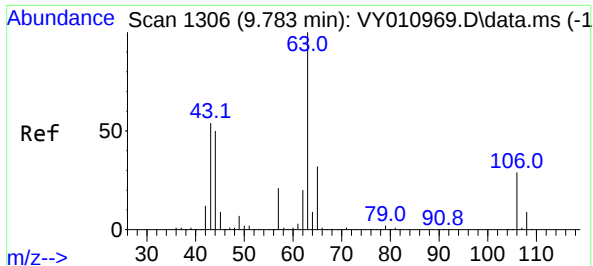
Tgt Ion:117 Resp: 28988
Ion Ratio Lower Upper
117 100
119 5.5 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 57.783 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011022.D
Acq: 20 Oct 2022 14:05

Tgt Ion: 98 Resp: 602749
Ion Ratio Lower Upper
98 100
100 65.2 50.2 75.2

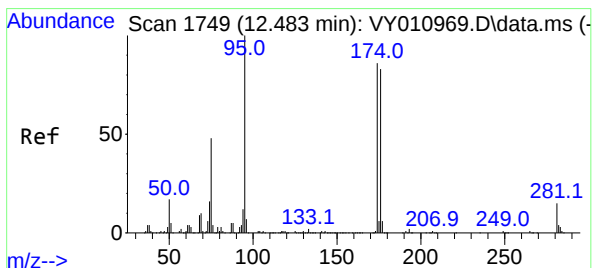
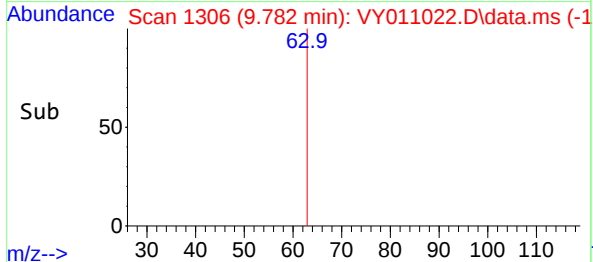
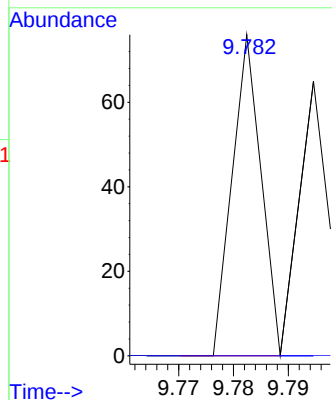
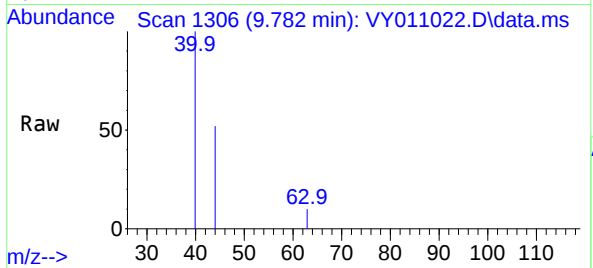




#58
2-Chloroethyl Vinyl ether
Concen: 16.975 ug/l
RT: 9.782 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY011022.D
Acq: 20 Oct 2022 14:05

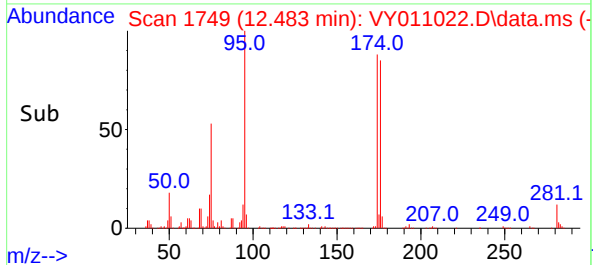
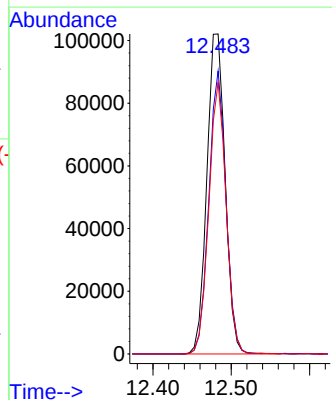
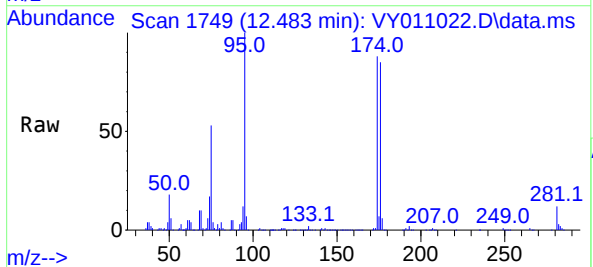
Instrument :
MSVOA_Y
ClientSampleId :
LSP-DS-01-09-11

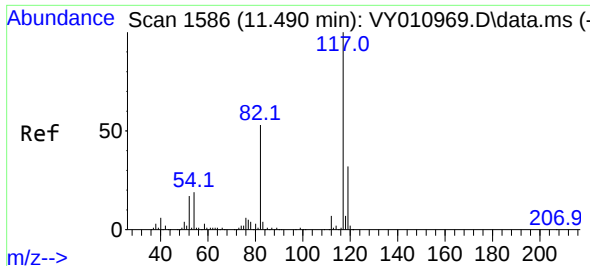
Tgt Ion: 63 Resp: 28
Ion Ratio Lower Upper
63 100
106 0.0 21.5 32.3#



#62
4-Bromofluorobenzene
Concen: 44.366 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY011022.D
Acq: 20 Oct 2022 14:05

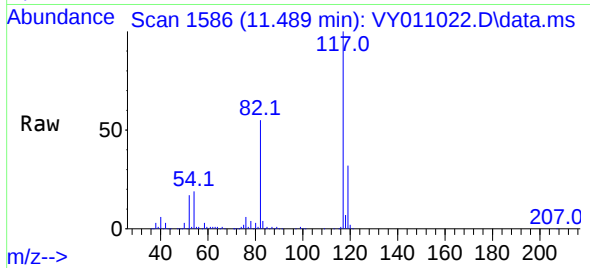
Tgt Ion: 95 Resp: 165214
Ion Ratio Lower Upper
95 100
174 83.3 0.0 177.0
176 80.0 0.0 175.8



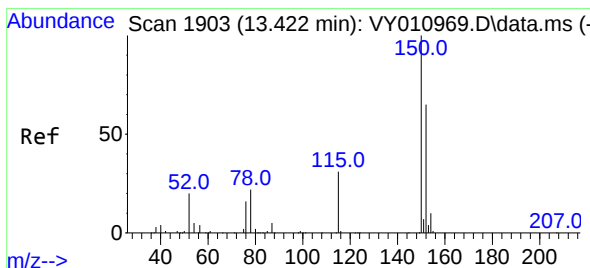
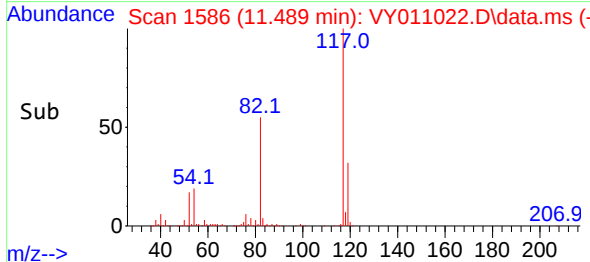
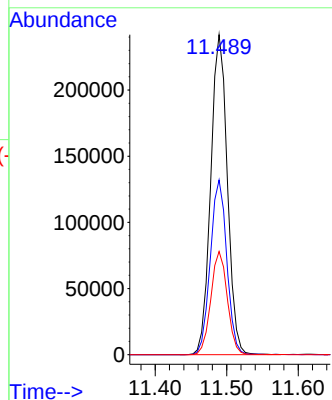


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY011022.D
Acq: 20 Oct 2022 14:05

Instrument :
MSVOA_Y
ClientSampleId :
LSP-DS-01-09-11

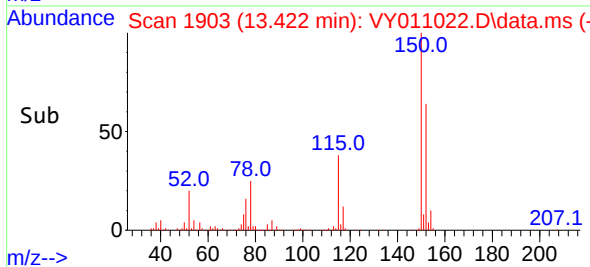
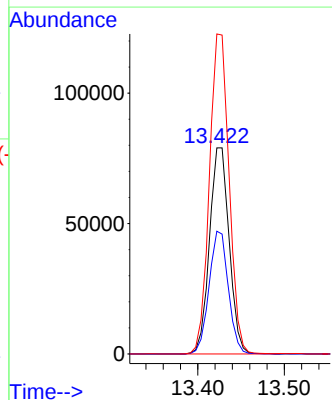
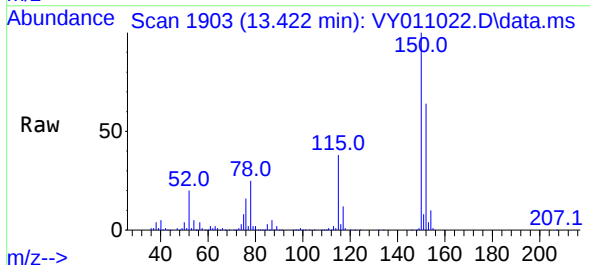


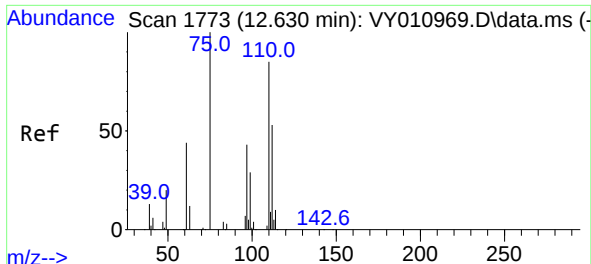
Tgt Ion:117 Resp: 390193
Ion Ratio Lower Upper
117 100
82 54.6 43.0 64.4
119 32.3 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY011022.D
Acq: 20 Oct 2022 14:05

Tgt Ion:152 Resp: 124726
Ion Ratio Lower Upper
152 100
115 58.3 28.2 84.7
150 155.1 0.0 347.6

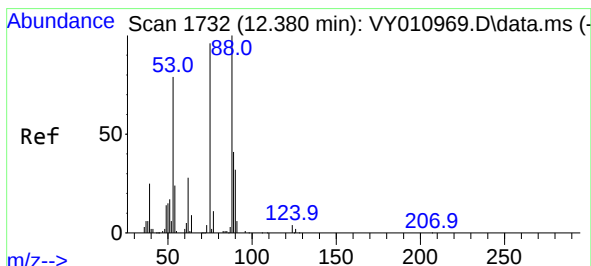
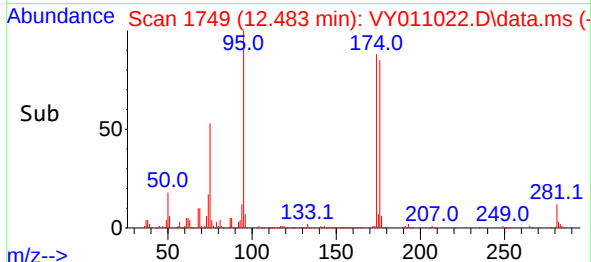
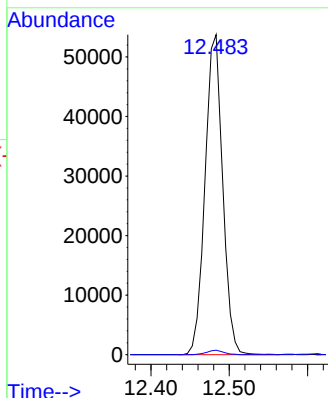
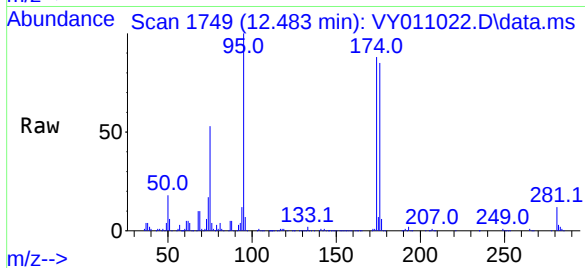




#76
1,2,3-Trichloropropane
Concen: 59.186 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY011022.D
Acq: 20 Oct 2022 14:05

Instrument :
MSVOA_Y
ClientSampleId :
LSP-DS-01-09-11

Tgt Ion: 75 Resp: 83810
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 127.293 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY011022.D
Acq: 20 Oct 2022 14:05

Tgt Ion: 75 Resp: 83810
Ion Ratio Lower Upper
75 100
53 0.1 85.3 127.9#
89 0.1 37.0 55.4#

