

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102122\
 Data File : VY011044.D
 Acq On : 21 Oct 2022 12:51
 Operator : KP/MD
 Sample : N5193-14RE
 Misc : 6.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LSP-SS-07-20-40

Quant Time: Oct 22 01:22:30 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)

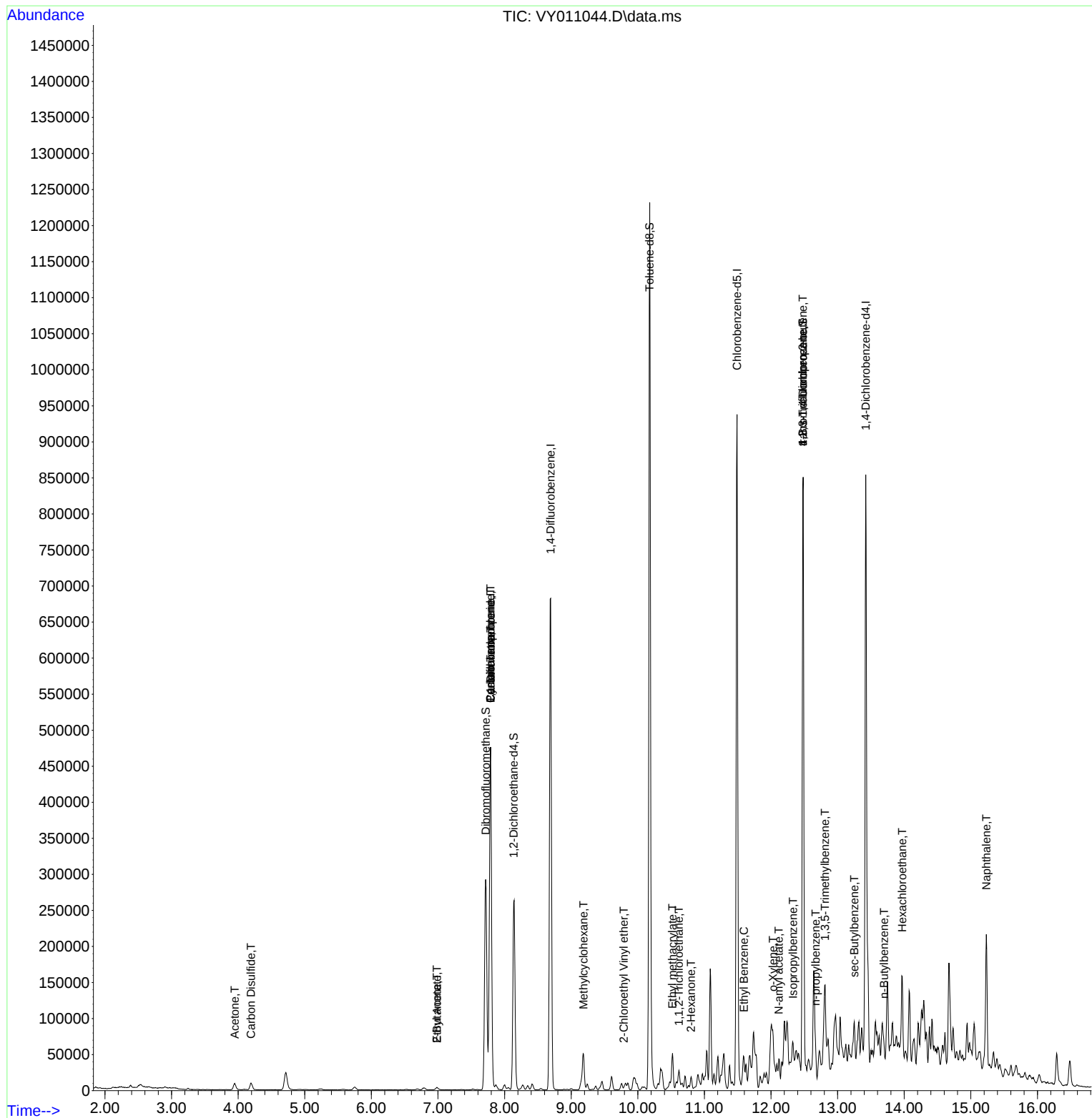
Internal Standards						
1) Pentafluorobenzene	7.789	168	366503	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	618375	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	519165	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	211744	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	206757	61.243	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 122.480%	
35) Dibromofluoromethane	7.716	113	214914	62.905	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 125.800%	
50) Toluene-d8	10.179	98	767160	59.416	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 118.840%	
62) 4-Bromofluorobenzene	12.477	95	250133	54.997	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 110.000%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.930	59	824	Below Cal	#	77
16) Acetone	3.948	43	14458	14.747	ug/l	94
17) Carbon Disulfide	4.192	76	18926	1.857	ug/l #	94
18) Methyl Acetate	4.485	43	161	Below Cal	#	56
20) Methylene Chloride	4.716	84	18567	Below Cal	#	85
25) 2-Butanone	6.984	43	3435	2.310	ug/l	99
31) Cyclohexane	7.789	56	11386	1.762	ug/l #	7
36) 1,1-Dichloropropene	7.789	75	27191	4.724	ug/l #	42
37) Ethyl Acetate	6.984	43	3435	1.078	ug/l #	73
38) Carbon Tetrachloride	7.789	117	35999	6.058	ug/l #	16
39) Methylcyclohexane	9.185	83	22115	3.207	ug/l	89
55) 1,1,2-Trichloroethane	10.618	97	10005	2.902	ug/l #	20
56) Ethyl methacrylate	10.520	69	5111	1.116	ug/l #	20
58) 2-Chloroethyl Vinyl ether	9.789	63	141	17.018	ug/l #	48
59) 2-Hexanone	10.801	43	6552	3.004	ug/l #	34
67) Ethyl Benzene	11.593	91	24052	1.276	ug/l	100
69) o-Xylene	12.032	106	13796	2.003	ug/l	98
73) Isopropylbenzene	12.331	105	22189	1.442	ug/l	100
74) N-amyl acetate	12.117	43	7934	2.033	ug/l #	47
76) 1,2,3-Trichloropropane	12.477	75	125447	52.183	ug/l #	100
78) n-propylbenzene	12.672	91	30950	1.654	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	17178	1.338	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.477	75	125447	112.231	ug/l #	8
85) sec-Butylbenzene	13.251	105	28654	1.718	ug/l #	76
89) n-Butylbenzene	13.696	91	17643	1.365	ug/l #	78
90) Hexachloroethane	13.971	117	4115	1.507	ug/l #	10
95) Naphthalene	15.233	128	152471	19.510	ug/l	98

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

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LSP-SS-07-20-40

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Quant Title : SW846 8260
QLast Update : Tue Oct 18 01:42:42 2022
Response via : Initial Calibration

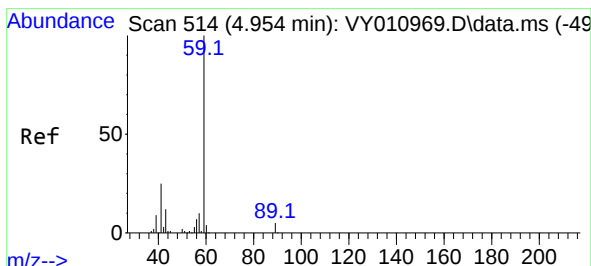
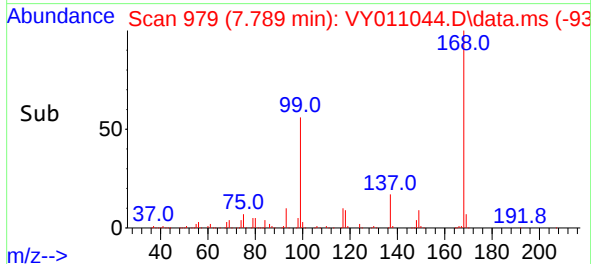
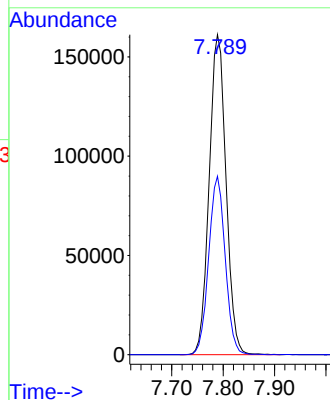
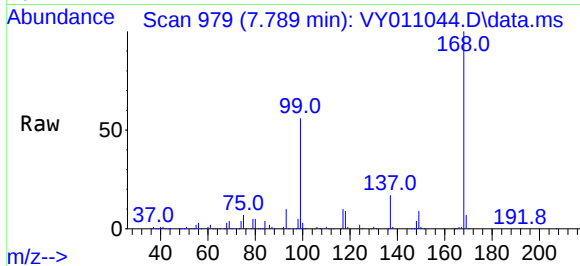




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011044.D
Acq: 21 Oct 2022 12:51

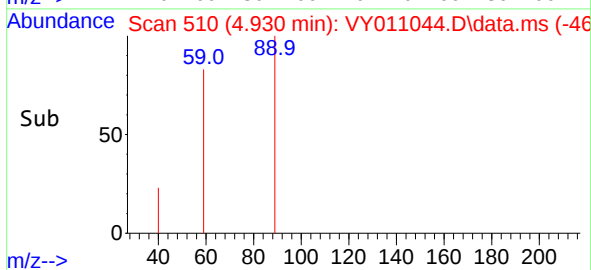
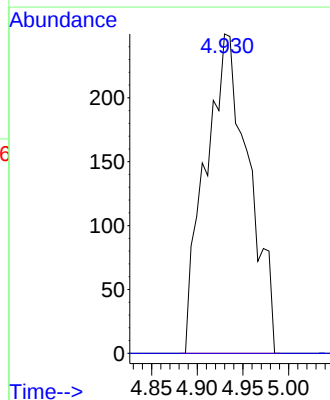
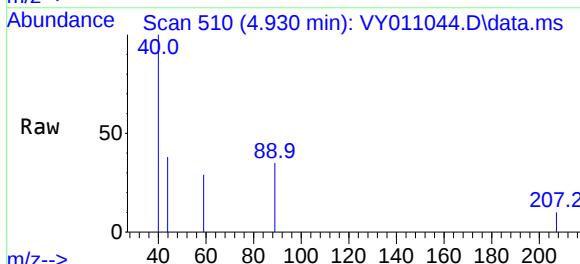
Instrument :
MSVOA_Y
ClientSampleId :
LSP-SS-07-20-40

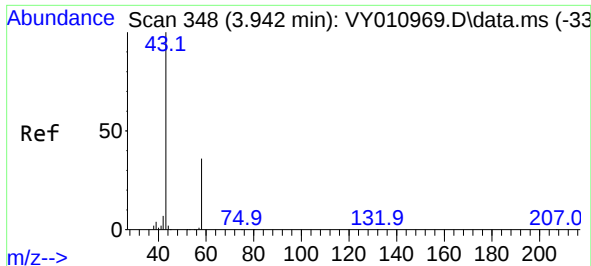
Tgt Ion:168 Resp: 366503
Ion Ratio Lower Upper
168 100
99 55.8 46.9 70.3



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.930 min Scan# 510
Delta R.T. -0.024 min
Lab File: VY011044.D
Acq: 21 Oct 2022 12:51

Tgt Ion: 59 Resp: 824
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

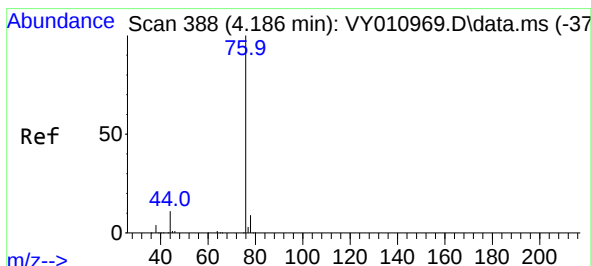
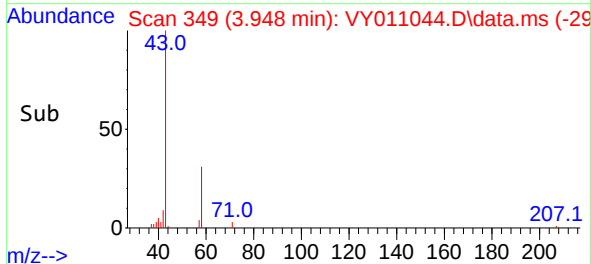
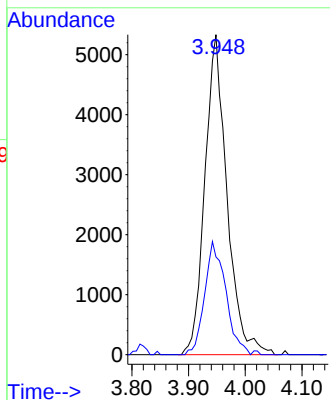
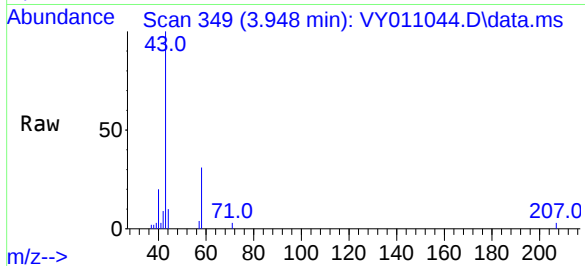




#16
Acetone
Concen: 14.747 ug/l
RT: 3.948 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY011044.D
Acq: 21 Oct 2022 12:51

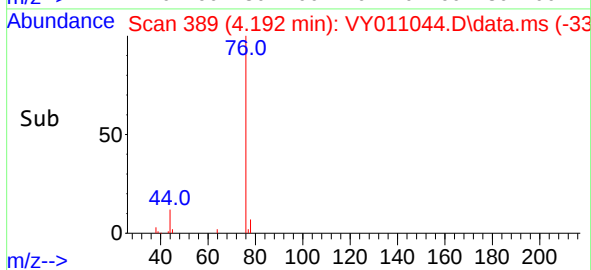
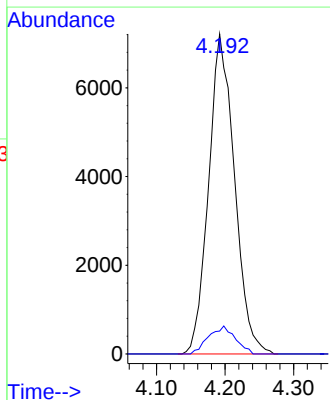
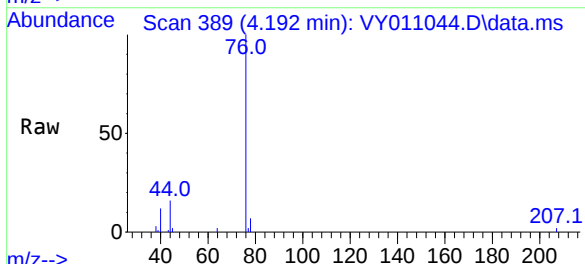
Instrument :
MSVOA_Y
ClientSampleId :
LSP-SS-07-20-40

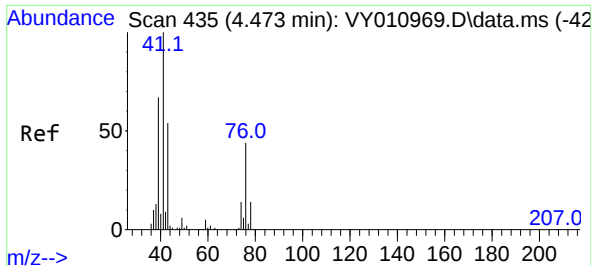
Tgt Ion: 43 Resp: 14458
Ion Ratio Lower Upper
43 100
58 30.5 22.0 33.0



#17
Carbon Disulfide
Concen: 1.857 ug/l
RT: 4.192 min Scan# 389
Delta R.T. 0.006 min
Lab File: VY011044.D
Acq: 21 Oct 2022 12:51

Tgt Ion: 76 Resp: 18926
Ion Ratio Lower Upper
76 100
78 7.1 7.4 11.0#

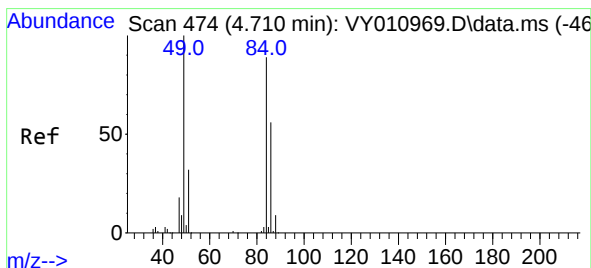
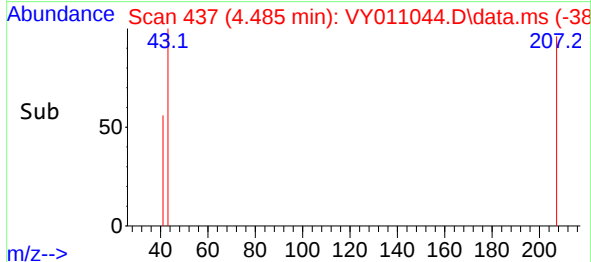
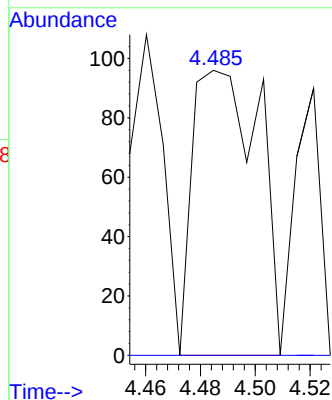
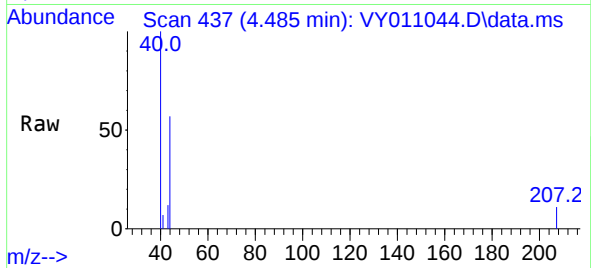




#18
Methyl Acetate
Concen: Below Cal
RT: 4.485 min Scan# 41
Delta R.T. 0.012 min
Lab File: VY011044.D
Acq: 21 Oct 2022 12:51

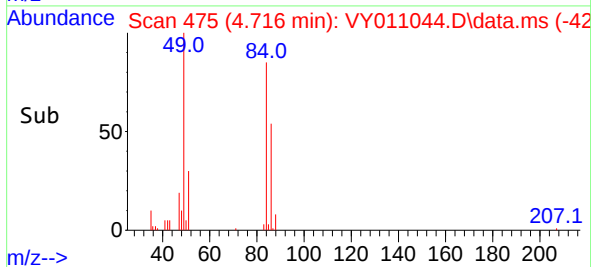
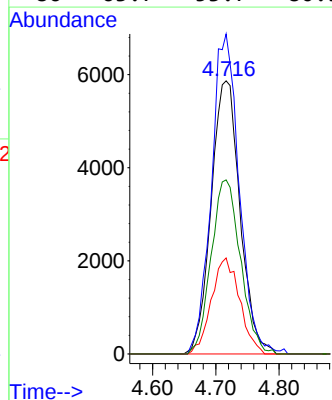
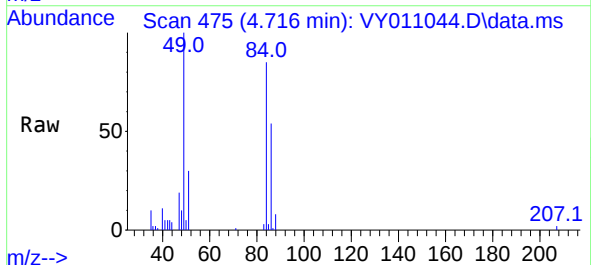
Instrument :
MSVOA_Y
ClientSampleId :
LSP-SS-07-20-40

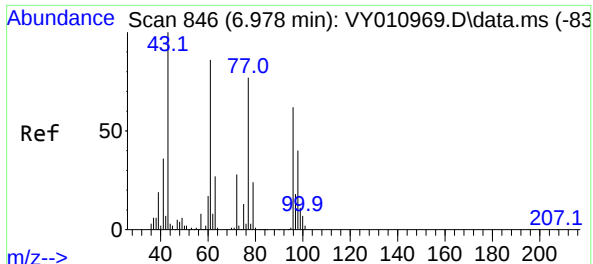
Tgt Ion: 43 Resp: 161
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY011044.D
Acq: 21 Oct 2022 12:51

Tgt Ion: 84 Resp: 18567
Ion Ratio Lower Upper
84 100
49 117.2 114.4 171.6
51 35.1 35.3 52.9#
86 63.7 53.7 80.5





#25

2-Butanone

Concen: 2.310 ug/l

RT: 6.984 min Scan# 846

Delta R.T. 0.006 min

Lab File: VY011044.D

Acq: 21 Oct 2022 12:51

Instrument :

MSVOA_Y

ClientSampleId :

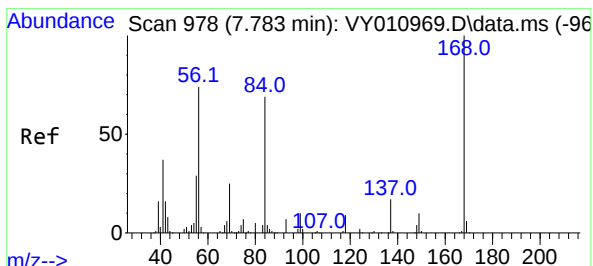
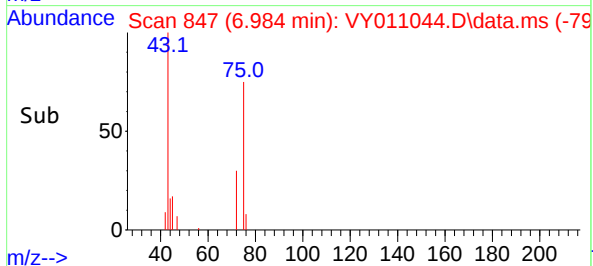
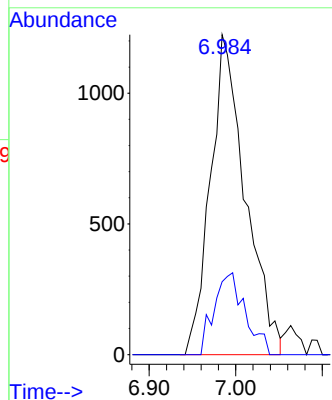
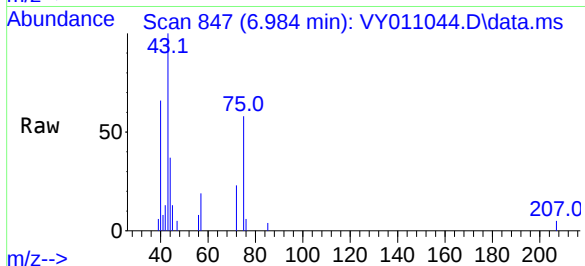
LSP-SS-07-20-40

Tgt Ion: 43 Resp: 3435

Ion Ratio Lower Upper

43 100

72 22.8 17.7 26.5



#31

Cyclohexane

Concen: 1.762 ug/l

RT: 7.789 min Scan# 979

Delta R.T. 0.006 min

Lab File: VY011044.D

Acq: 21 Oct 2022 12:51

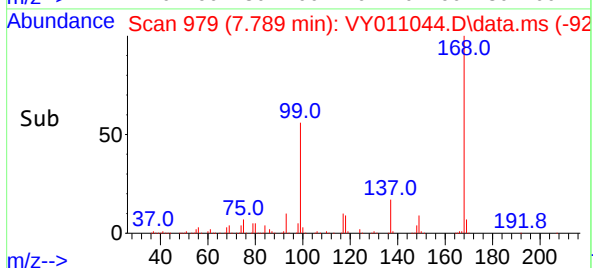
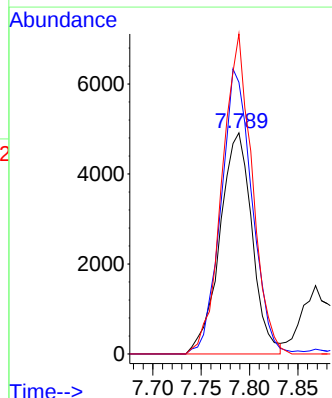
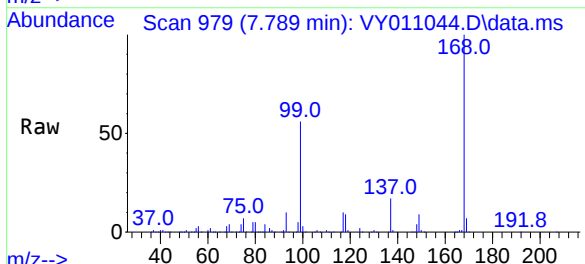
Tgt Ion: 56 Resp: 11386

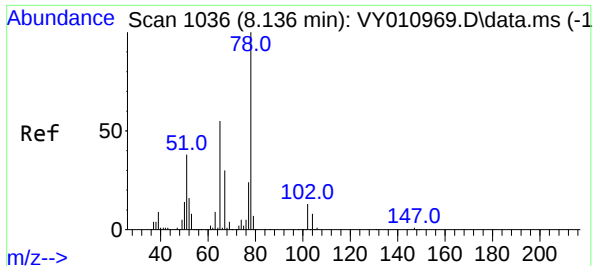
Ion Ratio Lower Upper

56 100

69 122.8 26.7 40.1#

84 144.7 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 61.243 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY011044.D

Acq: 21 Oct 2022 12:51

Instrument :

MSVOA_Y

ClientSampleId :

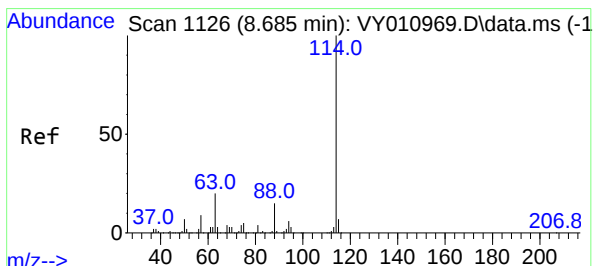
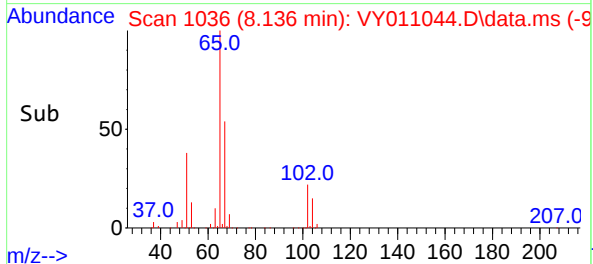
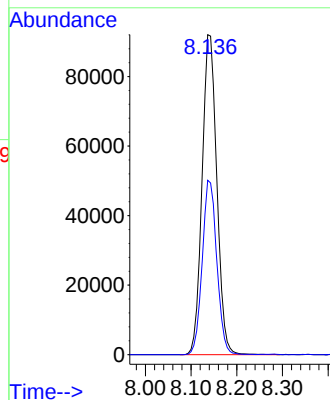
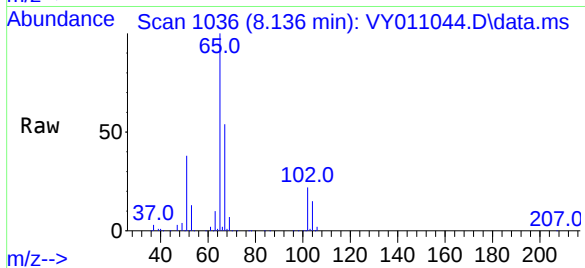
LSP-SS-07-20-40

Tgt Ion: 65 Resp: 206757

Ion Ratio Lower Upper

65 100

67 53.9 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY011044.D

Acq: 21 Oct 2022 12:51

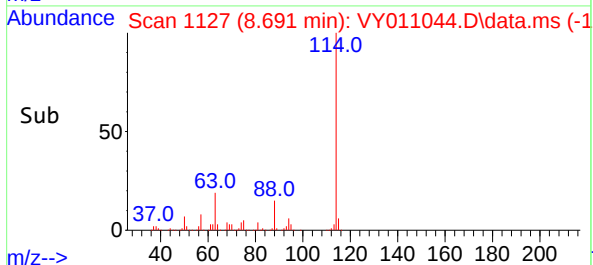
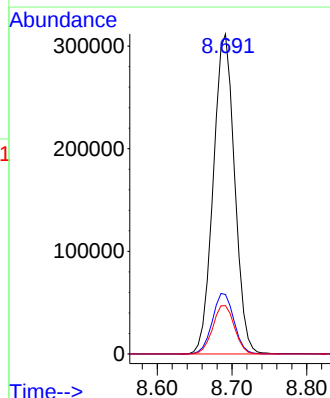
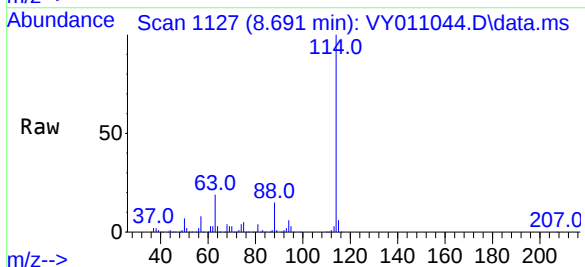
Tgt Ion: 114 Resp: 618375

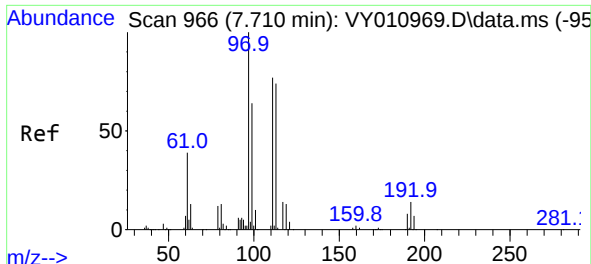
Ion Ratio Lower Upper

114 100

63 18.6 0.0 43.2

88 15.1 0.0 31.8

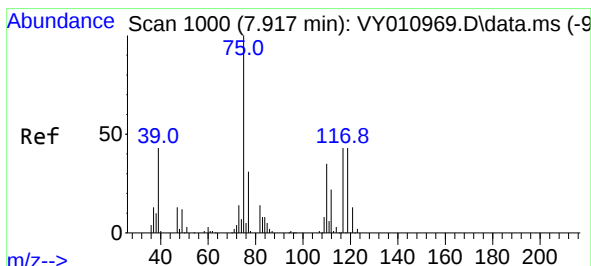
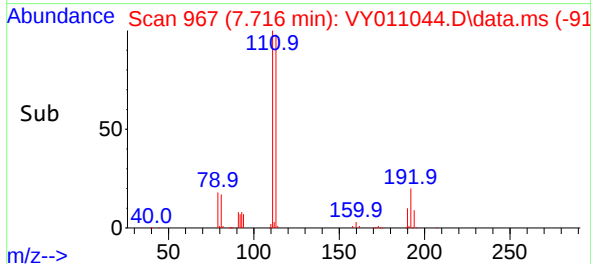
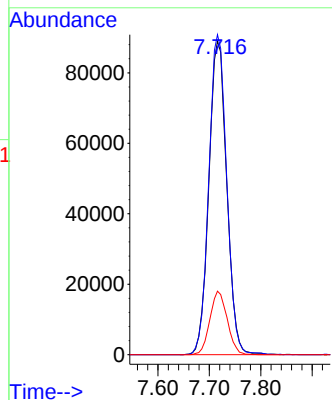
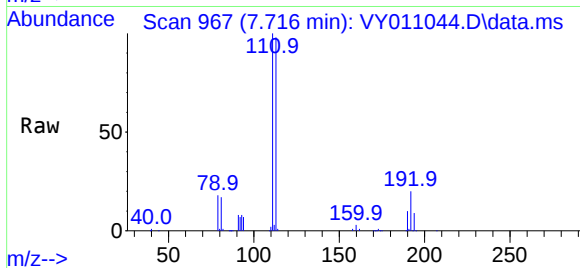




#35
Dibromofluoromethane
Concen: 62.905 ug/l
RT: 7.716 min Scan# 90
Delta R.T. 0.006 min
Lab File: VY011044.D
Acq: 21 Oct 2022 12:51

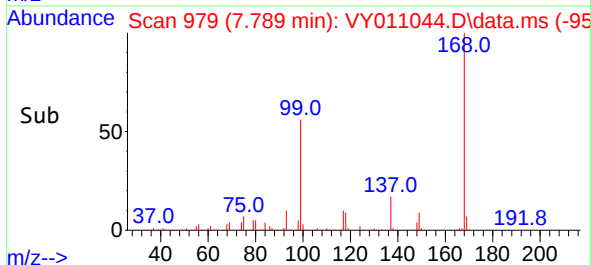
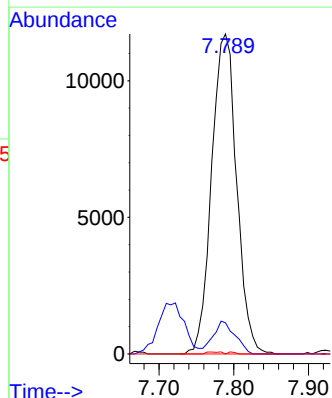
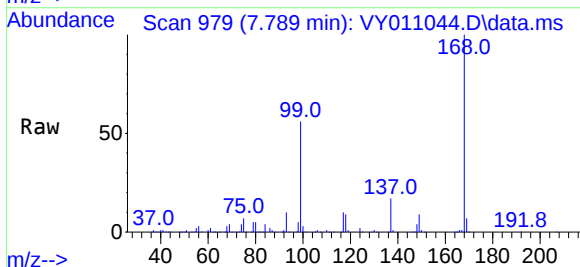
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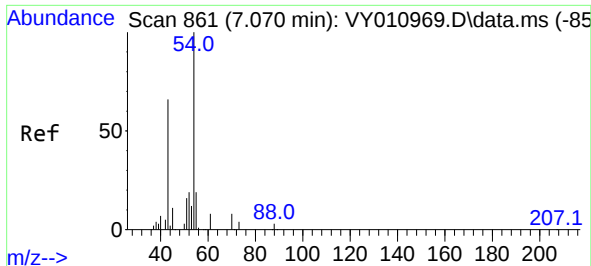
Tgt Ion:113 Resp: 214914
Ion Ratio Lower Upper
113 100
111 102.1 82.6 124.0
192 19.6 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.724 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY011044.D
Acq: 21 Oct 2022 12:51

Tgt Ion: 75 Resp: 27191
Ion Ratio Lower Upper
75 100
110 0.0 17.1 51.2#
77 0.2 24.4 36.6#

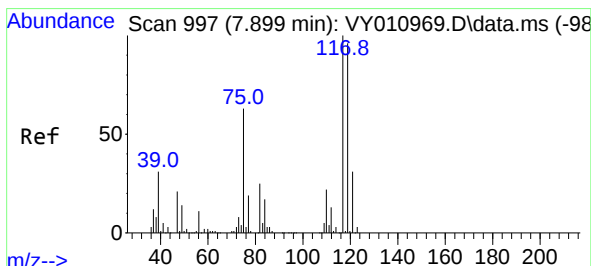
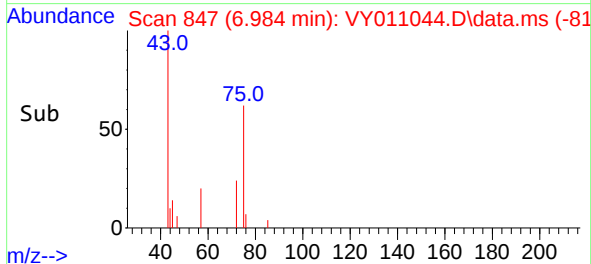
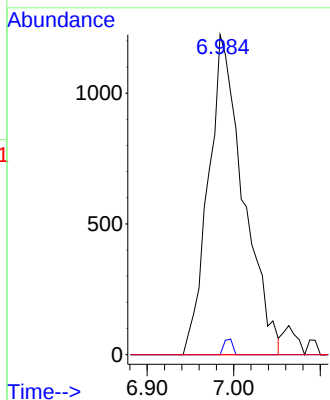
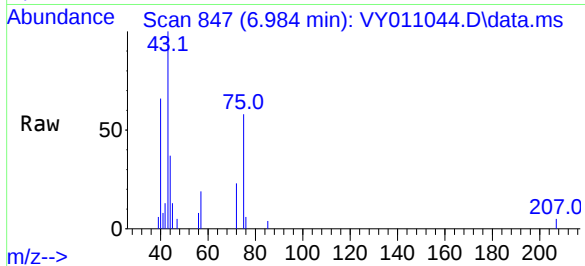




#37
Ethyl Acetate
Concen: 1.078 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.086 min
Lab File: VY011044.D
Acq: 21 Oct 2022 12:51

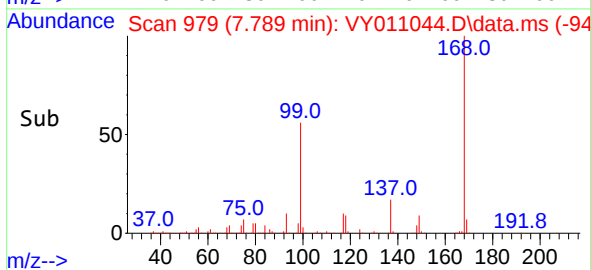
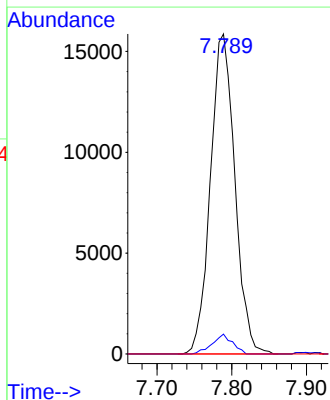
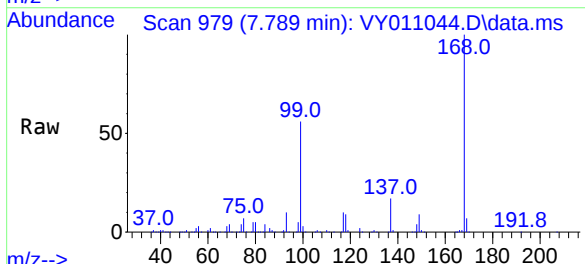
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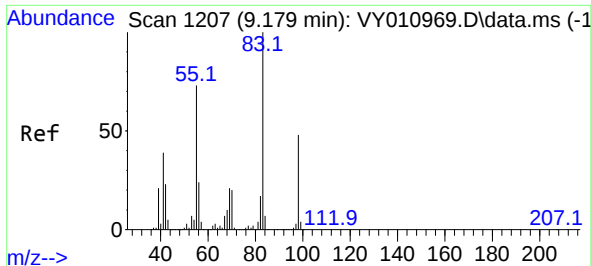
Tgt Ion: 43 Resp: 3435
Ion Ratio Lower Upper
43 100
61 1.2 9.7 14.5#
70 0.0 7.1 10.7#



#38
Carbon Tetrachloride
Concen: 6.058 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.110 min
Lab File: VY011044.D
Acq: 21 Oct 2022 12:51

Tgt Ion: 117 Resp: 35999
Ion Ratio Lower Upper
117 100
119 6.2 77.9 116.9#
121 0.0 24.8 37.2#





#39

Methylcyclohexane

Concen: 3.207 ug/l

RT: 9.185 min Scan# 1207

Delta R.T. 0.006 min

Lab File: VY011044.D

Acq: 21 Oct 2022 12:51

Instrument :

MSVOA_Y

ClientSampleId :

LSP-SS-07-20-40

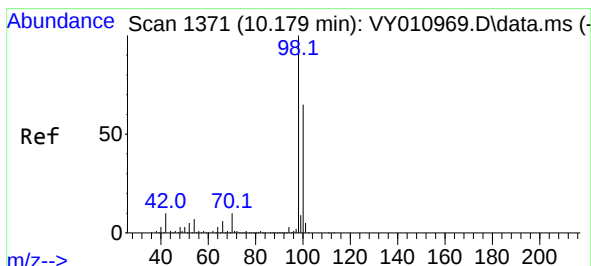
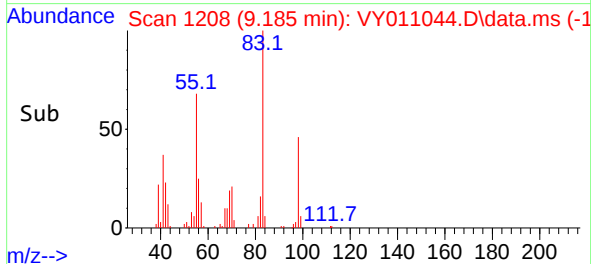
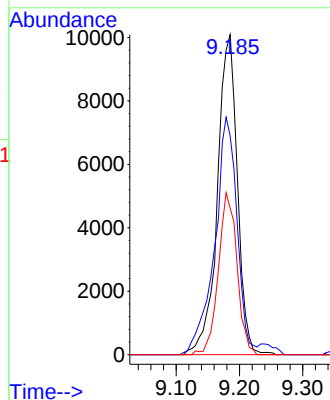
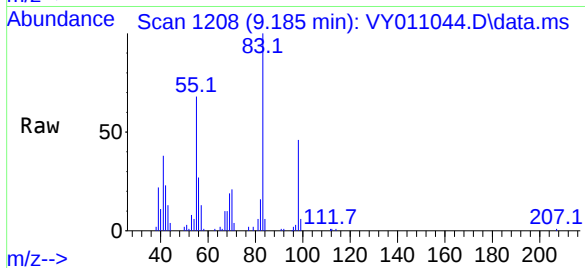
Tgt Ion: 83 Resp: 22115

Ion Ratio Lower Upper

83 100

55 68.5 66.5 99.7

98 45.8 37.9 56.9



#50

Toluene-d8

Concen: 59.416 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY011044.D

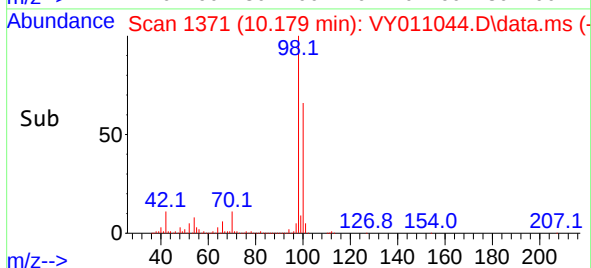
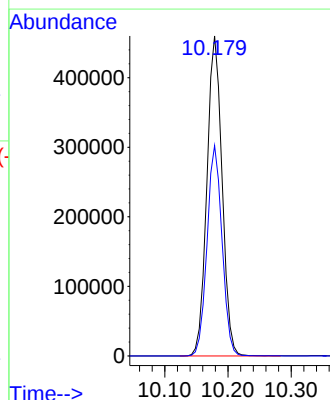
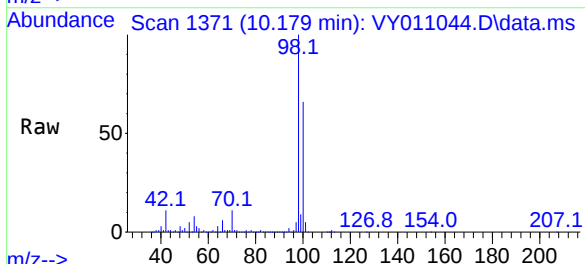
Acq: 21 Oct 2022 12:51

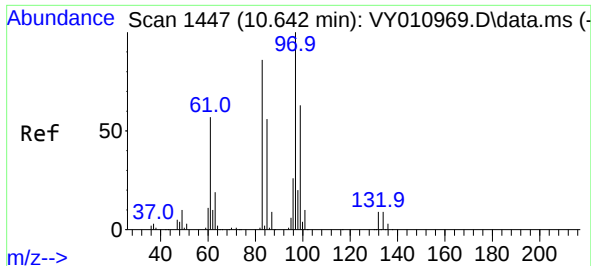
Tgt Ion: 98 Resp: 767160

Ion Ratio Lower Upper

98 100

100 65.0 50.2 75.2

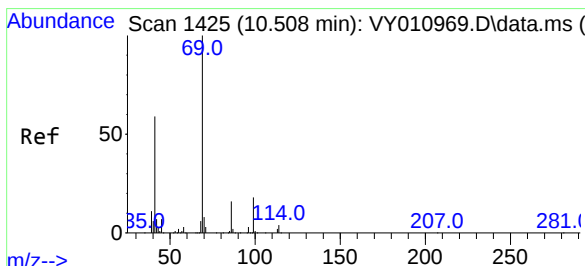
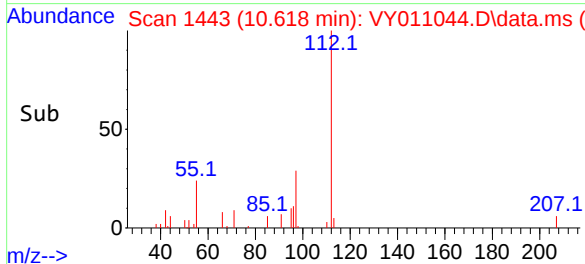
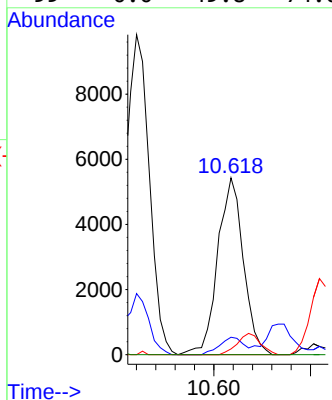
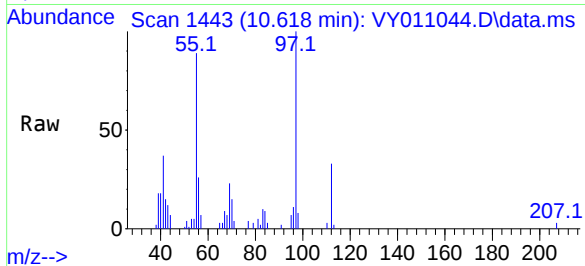




#55
1,1,2-Trichloroethane
Concen: 2.902 ug/l
RT: 10.618 min Scan# 1443
Delta R.T. -0.024 min
Lab File: VY011044.D
Acq: 21 Oct 2022 12:51

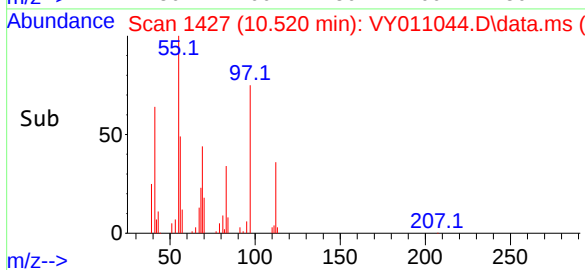
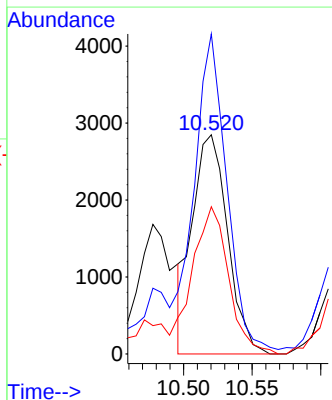
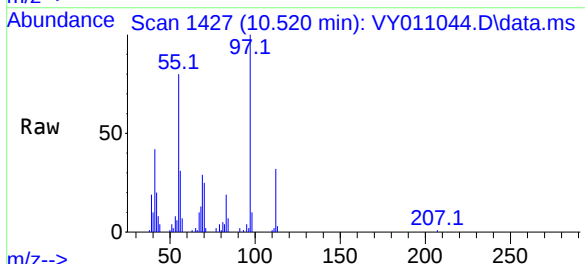
Instrument :
MSVOA_Y
ClientSampleId :
LSP-SS-07-20-40

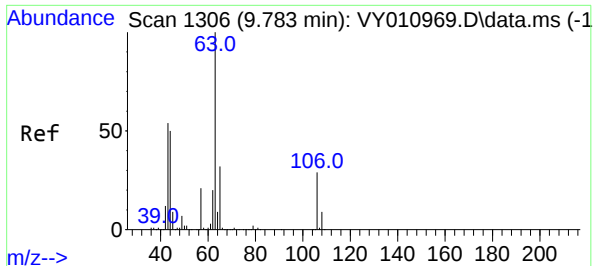
Tgt Ion:	97	Resp:	10005
Ion	Ratio	Lower	Upper
97	100		
83	9.9	69.8	104.8#
85	3.3	44.3	66.5#
99	0.0	49.8	74.6#



#56
Ethyl methacrylate
Concen: 1.116 ug/l
RT: 10.520 min Scan# 1427
Delta R.T. 0.012 min
Lab File: VY011044.D
Acq: 21 Oct 2022 12:51

Tgt Ion:	69	Resp:	5111
Ion	Ratio	Lower	Upper
69	100		
41	171.1	63.4	95.0#
39	68.8	35.8	53.8#

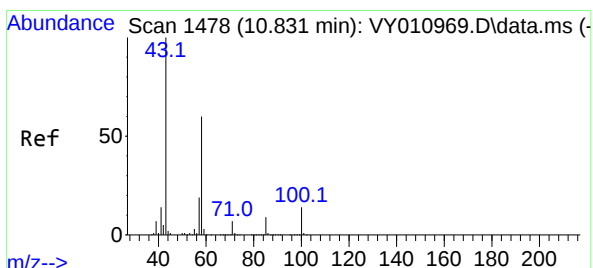
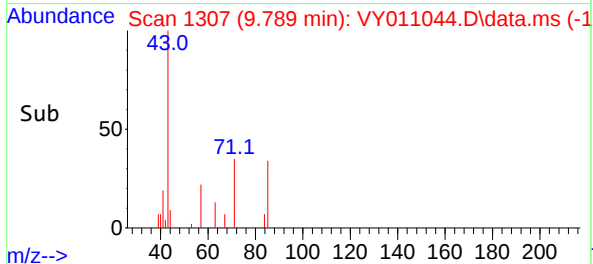
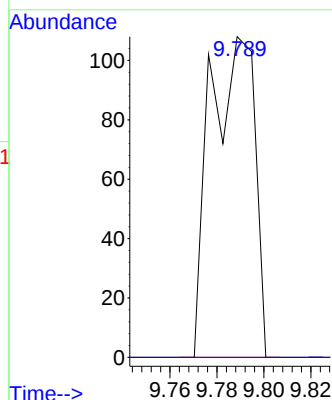
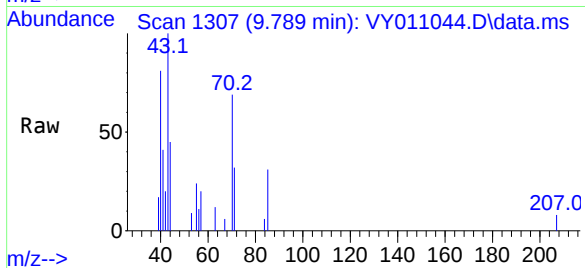




#58
2-Chloroethyl Vinyl ether
Concen: 17.018 ug/l
RT: 9.789 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY011044.D
Acq: 21 Oct 2022 12:51

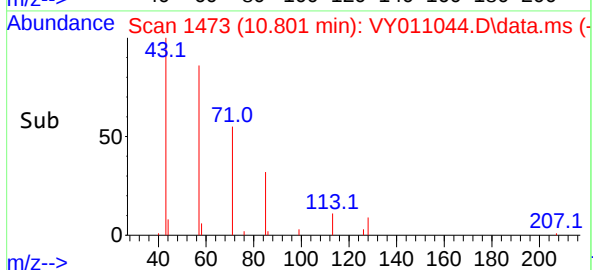
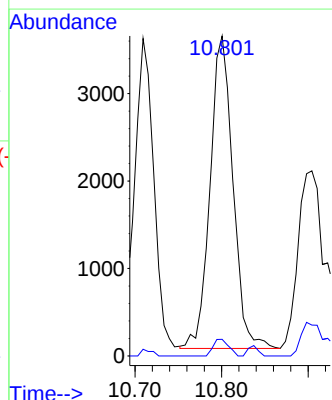
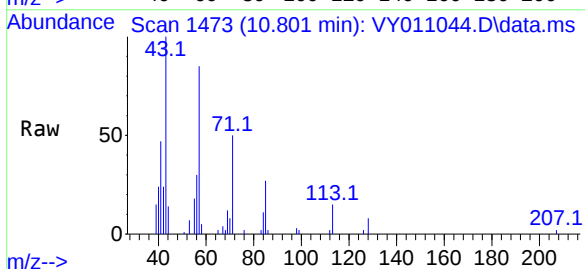
Instrument :
MSVOA_Y
ClientSampleId :
LSP-SS-07-20-40

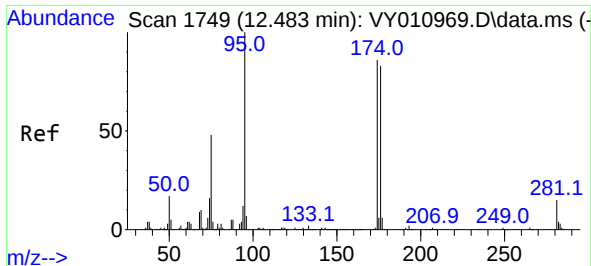
Tgt Ion: 63 Resp: 141
Ion Ratio Lower Upper
63 100
106 0.0 21.5 32.3#



#59
2-Hexanone
Concen: 3.004 ug/l
RT: 10.801 min Scan# 1473
Delta R.T. -0.030 min
Lab File: VY011044.D
Acq: 21 Oct 2022 12:51

Tgt Ion: 43 Resp: 6552
Ion Ratio Lower Upper
43 100
58 3.6 24.4 73.4#

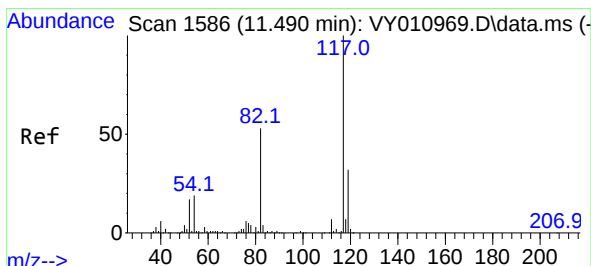
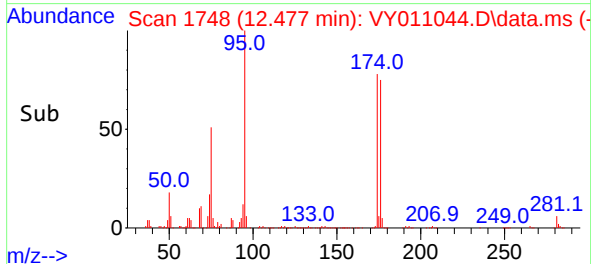
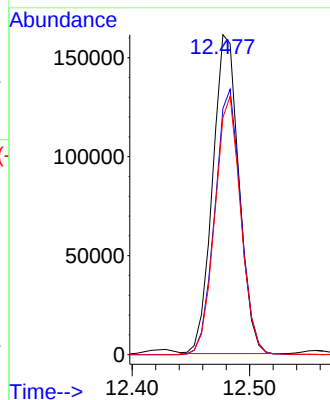
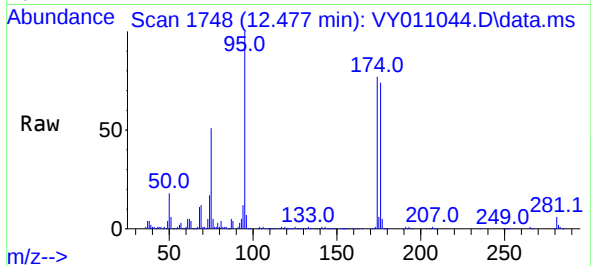




#62
4-Bromofluorobenzene
Concen: 54.997 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY011044.D
Acq: 21 Oct 2022 12:51

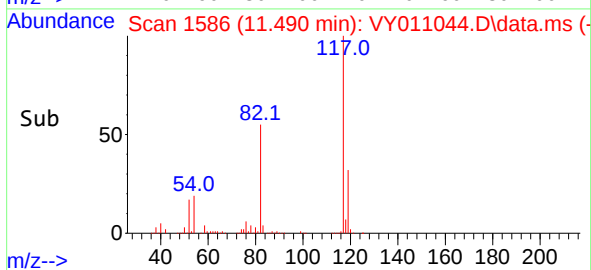
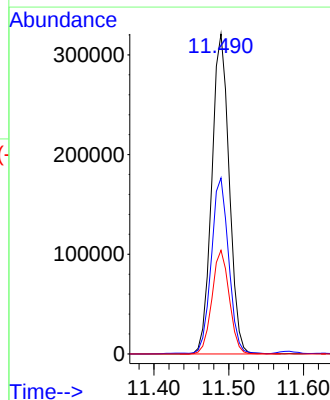
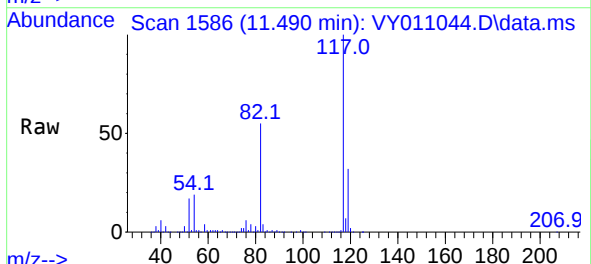
Instrument :
MSVOA_Y
ClientSampleId :
LSP-SS-07-20-40

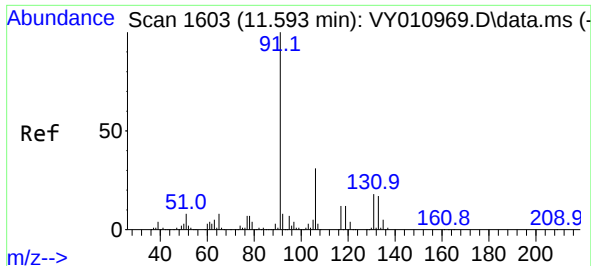
Tgt Ion: 95 Resp: 250133
Ion Ratio Lower Upper
95 100
174 82.7 0.0 177.0
176 79.6 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY011044.D
Acq: 21 Oct 2022 12:51

Tgt Ion: 117 Resp: 519165
Ion Ratio Lower Upper
117 100
82 54.8 43.0 64.4
119 32.4 25.4 38.0





#67

Ethyl Benzene

Concen: 1.276 ug/l

RT: 11.593 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY011044.D

Acq: 21 Oct 2022 12:51

Instrument :

MSVOA_Y

ClientSampleId :

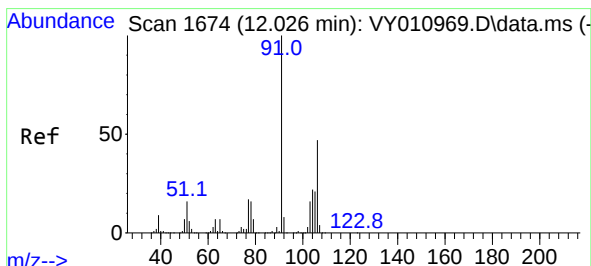
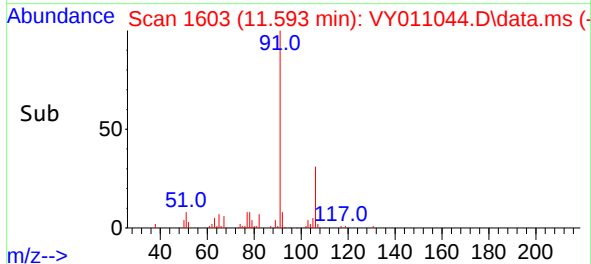
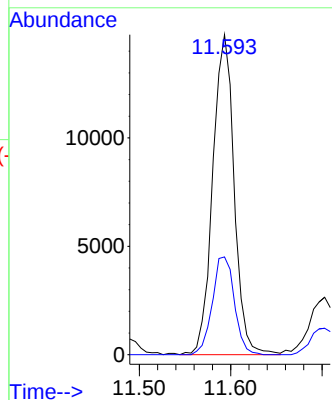
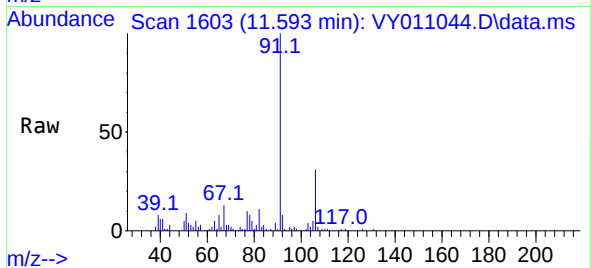
LSP-SS-07-20-40

Tgt Ion: 91 Resp: 24052

Ion Ratio Lower Upper

91 100

106 30.5 24.5 36.7



#69

o-Xylene

Concen: 2.003 ug/l

RT: 12.032 min Scan# 1675

Delta R.T. 0.006 min

Lab File: VY011044.D

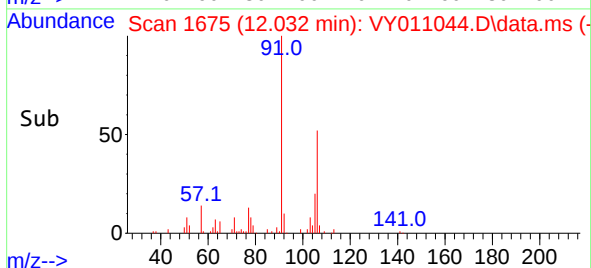
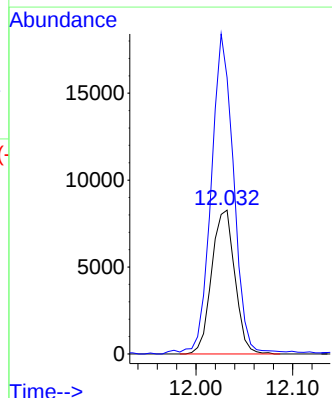
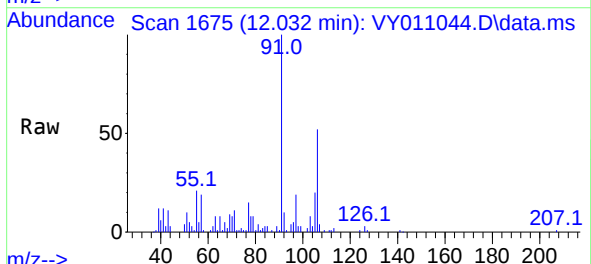
Acq: 21 Oct 2022 12:51

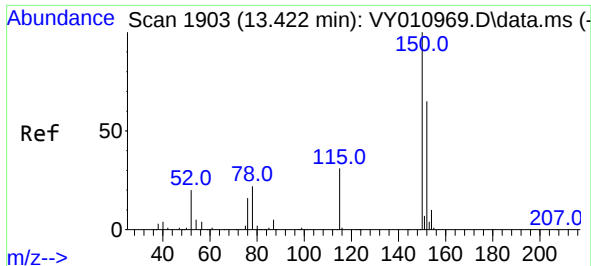
Tgt Ion:106 Resp: 13796

Ion Ratio Lower Upper

106 100

91 217.4 110.3 331.0

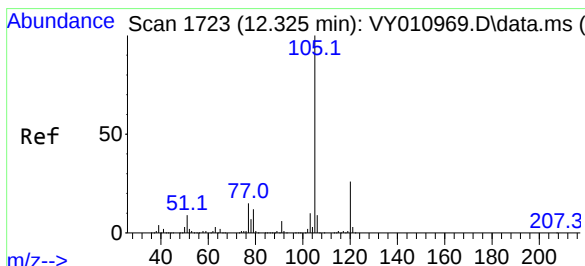
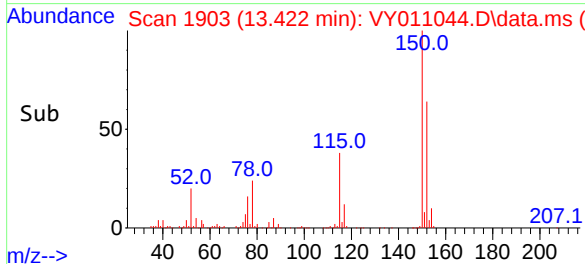
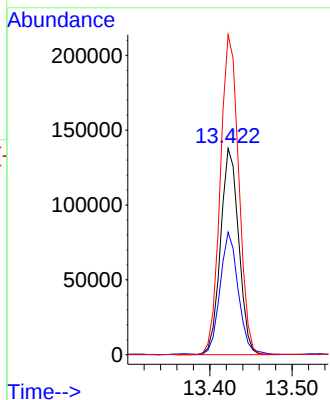
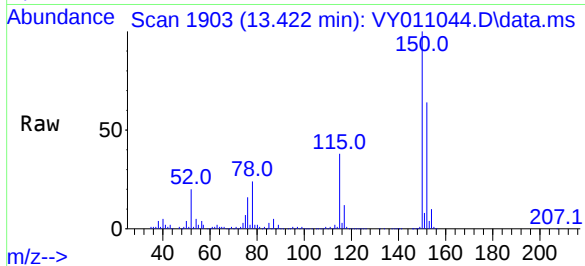




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY011044.D
Acq: 21 Oct 2022 12:51

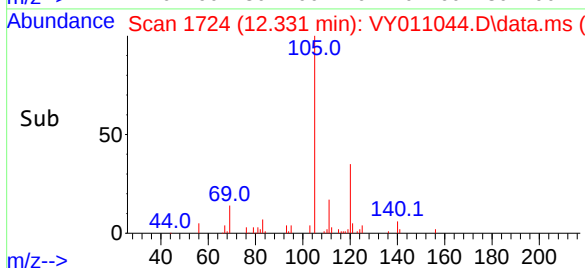
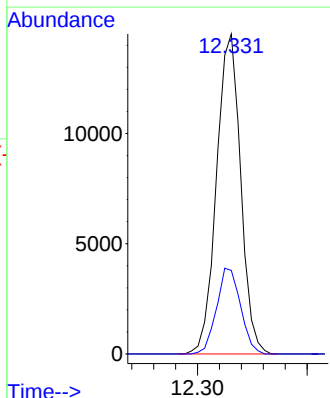
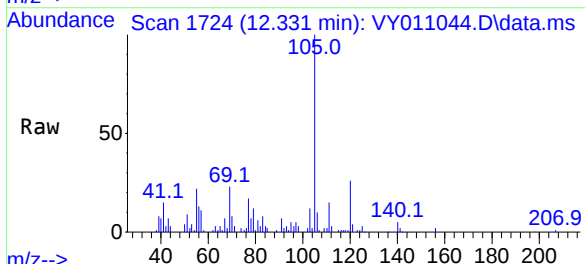
Instrument :
MSVOA_Y
ClientSampleId :
LSP-SS-07-20-40

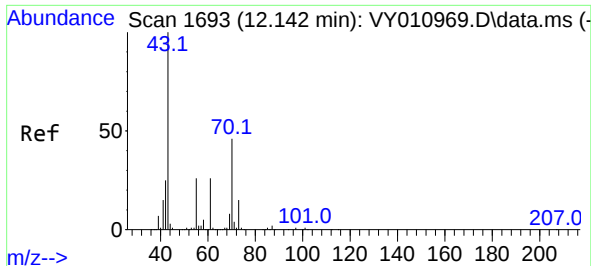
Tgt Ion:152 Resp: 211744
Ion Ratio Lower Upper
152 100
115 59.3 28.2 84.7
150 157.5 0.0 347.6



#73
Isopropylbenzene
Concen: 1.442 ug/l
RT: 12.331 min Scan# 1724
Delta R.T. 0.006 min
Lab File: VY011044.D
Acq: 21 Oct 2022 12:51

Tgt Ion:105 Resp: 22189
Ion Ratio Lower Upper
105 100
120 26.6 13.4 40.2

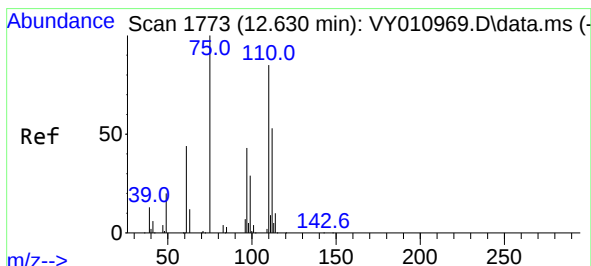
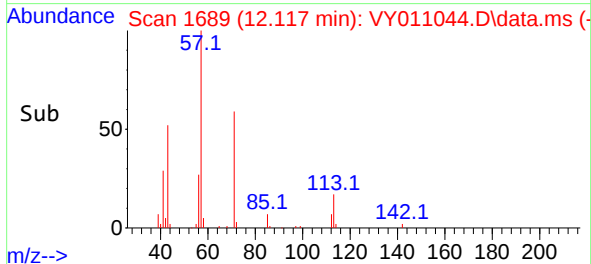
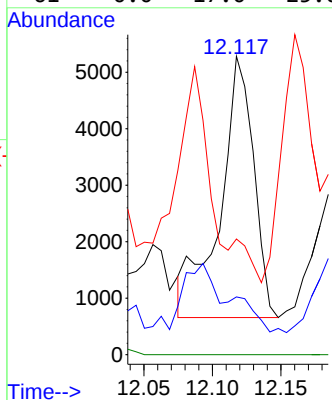
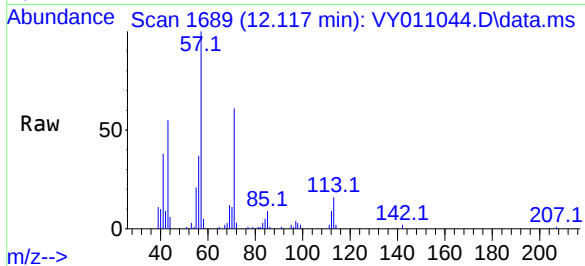




#74
N-amy1 acetate
Concen: 2.033 ug/l
RT: 12.117 min Scan# 1748
Delta R.T. -0.025 min
Lab File: VY011044.D
Acq: 21 Oct 2022 12:51

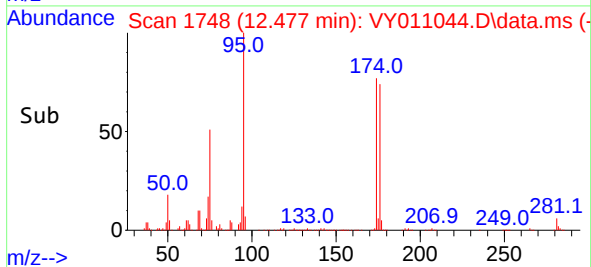
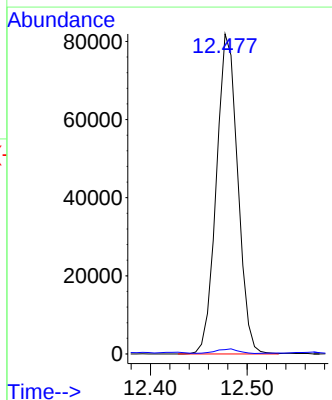
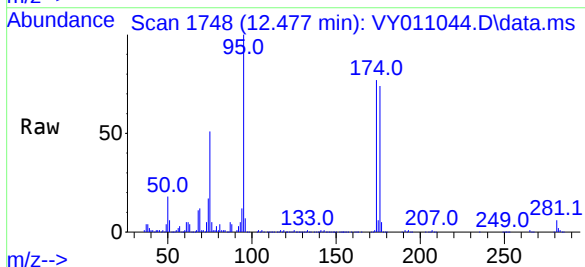
Instrument :
MSVOA_Y
ClientSampleId :
LSP-SS-07-20-40

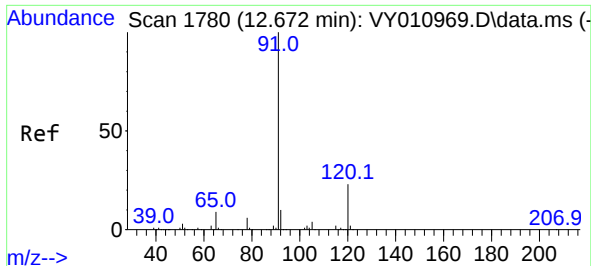
Tgt Ion:	43	Resp:	7934
Ion	Ratio	Lower	Upper
43	100		
70	0.0	28.7	43.1#
55	0.0	17.3	25.9#
61	0.0	17.0	25.6#



#76
1,2,3-Trichloropropane
Concen: 52.183 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY011044.D
Acq: 21 Oct 2022 12:51

Tgt Ion:	75	Resp:	125447
Ion	Ratio	Lower	Upper
75	100		
77	1.4	0.0	0.0#

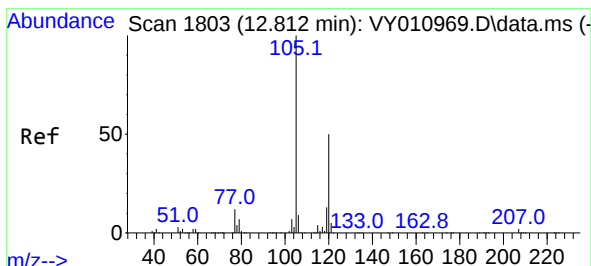
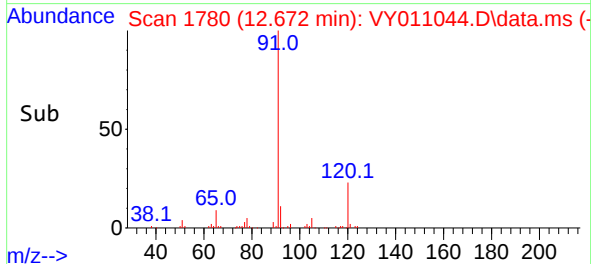
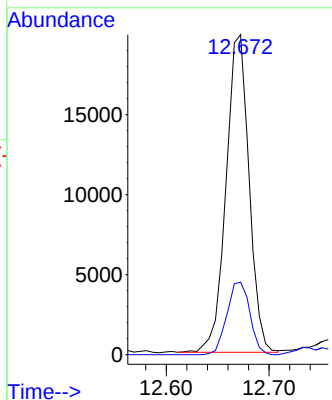
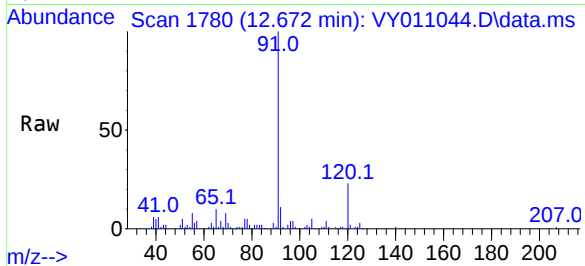




#78
n-propylbenzene
Concen: 1.654 ug/l
RT: 12.672 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY011044.D
Acq: 21 Oct 2022 12:51

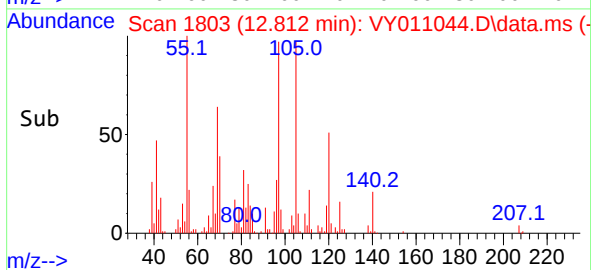
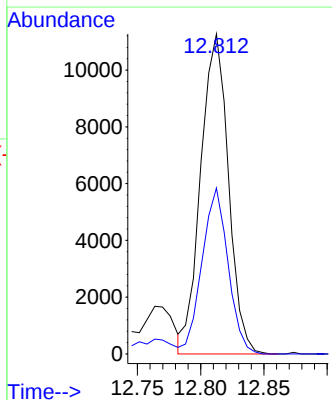
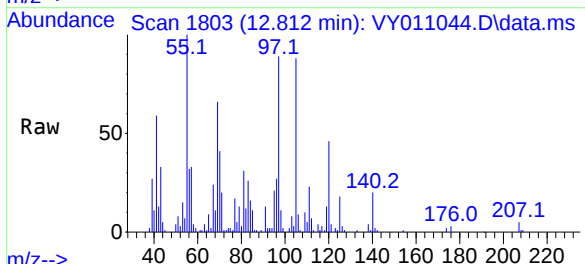
Instrument :
MSVOA_Y
ClientSampleId :
LSP-SS-07-20-40

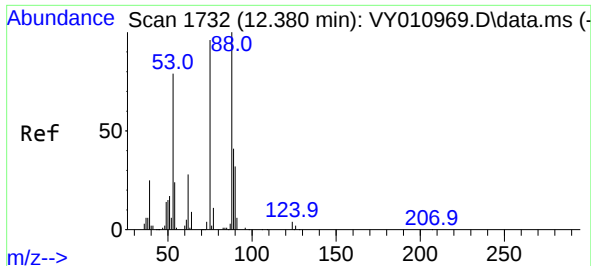
Tgt Ion: 91 Resp: 30950
Ion Ratio Lower Upper
91 100
120 22.7 11.3 33.9



#80
1,3,5-Trimethylbenzene
Concen: 1.338 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. 0.000 min
Lab File: VY011044.D
Acq: 21 Oct 2022 12:51

Tgt Ion: 105 Resp: 17178
Ion Ratio Lower Upper
105 100
120 48.9 24.4 73.4

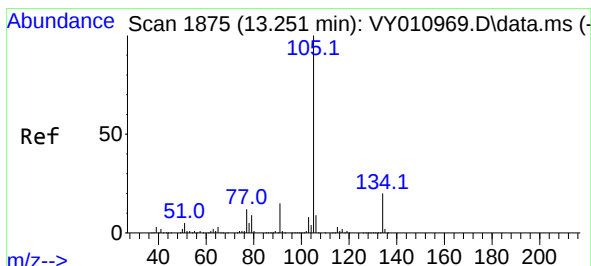
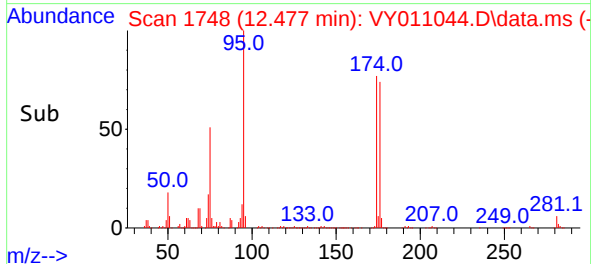
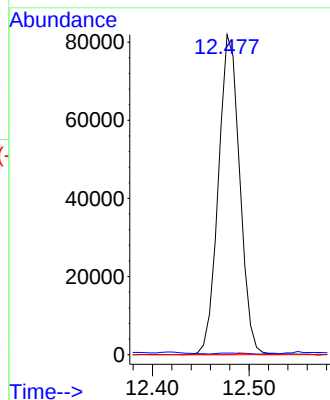
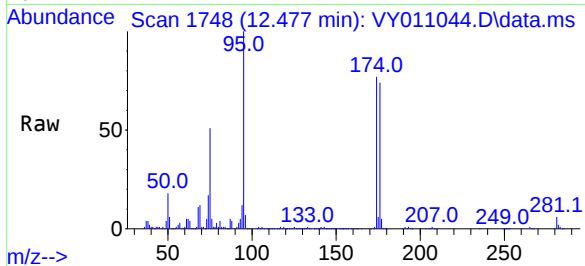




#81
trans-1,4-Dichloro-2-butene
Concen: 112.231 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.097 min
Lab File: VY011044.D
Acq: 21 Oct 2022 12:51

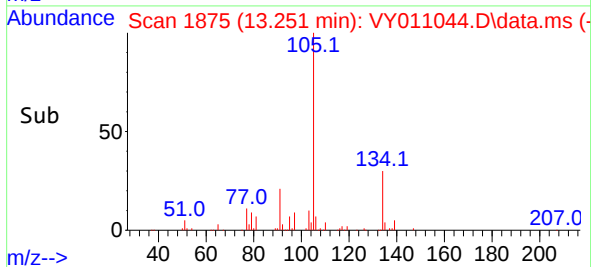
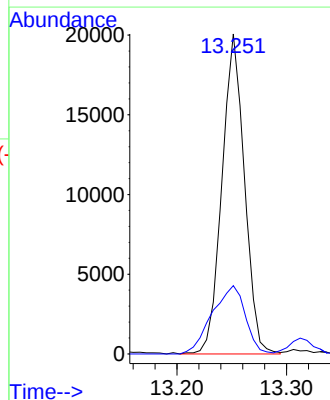
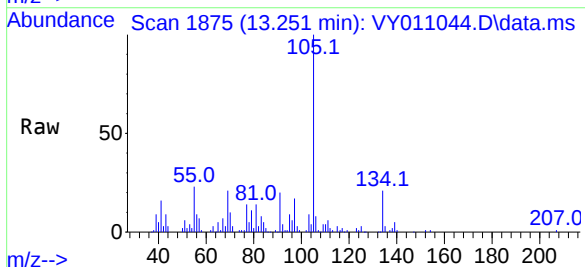
Instrument :
MSVOA_Y
ClientSampleId :
LSP-SS-07-20-40

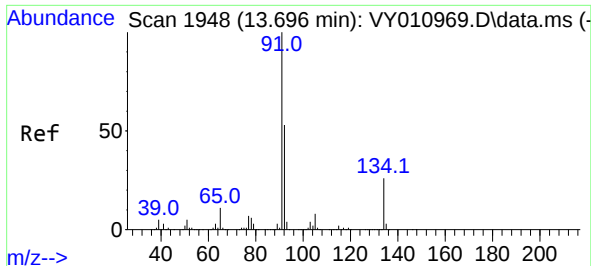
Tgt Ion: 75 Resp: 125447
Ion Ratio Lower Upper
75 100
53 0.4 85.3 127.9#
89 0.3 37.0 55.4#



#85
sec-Butylbenzene
Concen: 1.718 ug/l
RT: 13.251 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VY011044.D
Acq: 21 Oct 2022 12:51

Tgt Ion:105 Resp: 28654
Ion Ratio Lower Upper
105 100
134 31.5 10.2 30.4#

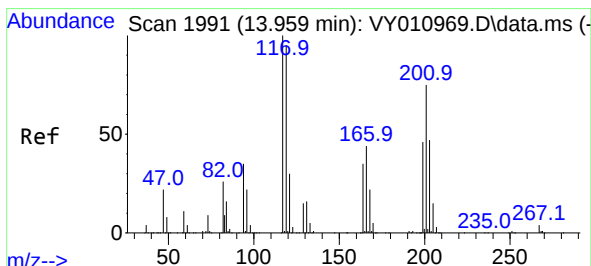
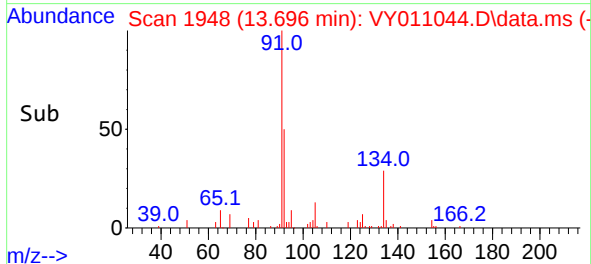
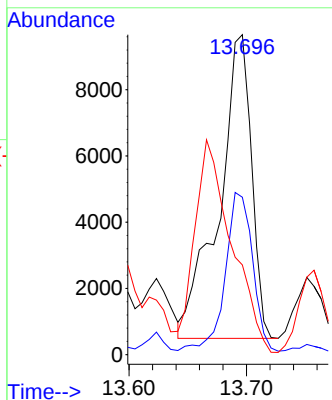
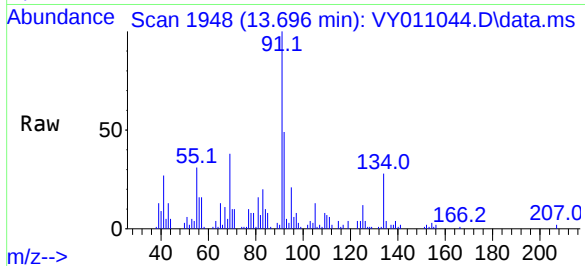




#89
n-Butylbenzene
Concen: 1.365 ug/l
RT: 13.696 min Scan# 1948
Delta R.T. 0.000 min
Lab File: VY011044.D
Acq: 21 Oct 2022 12:51

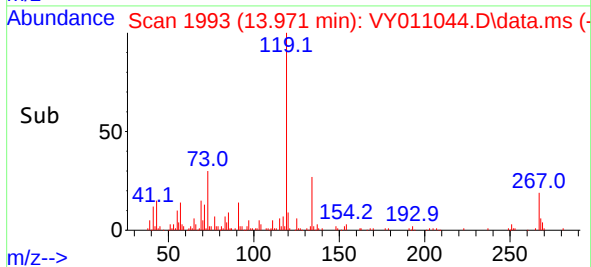
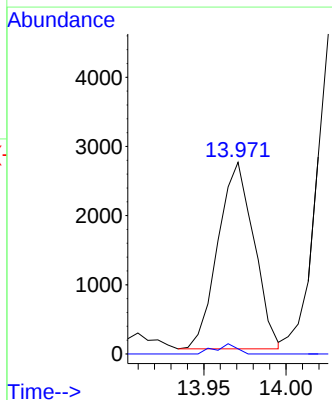
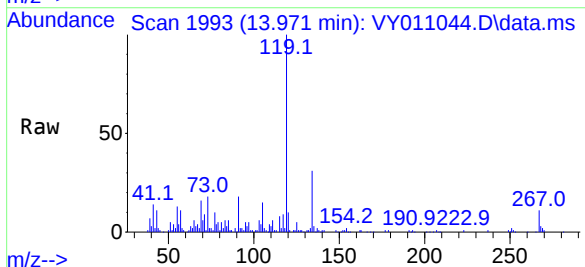
Instrument :
MSVOA_Y
ClientSampleId :
LSP-SS-07-20-40

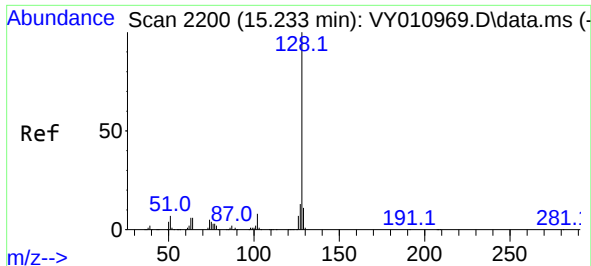
Tgt Ion: 91 Resp: 17643
Ion Ratio Lower Upper
91 100
92 46.8 26.3 78.9
134 0.0 13.0 38.9#



#90
Hexachloroethane
Concen: 1.507 ug/l
RT: 13.971 min Scan# 1993
Delta R.T. 0.012 min
Lab File: VY011044.D
Acq: 21 Oct 2022 12:51

Tgt Ion: 117 Resp: 4115
Ion Ratio Lower Upper
117 100
201 3.2 43.0 128.8#





#95

Naphthalene

Concen: 19.510 ug/l

RT: 15.233 min Scan# 21

Delta R.T. -0.000 min

Lab File: VY011044.D

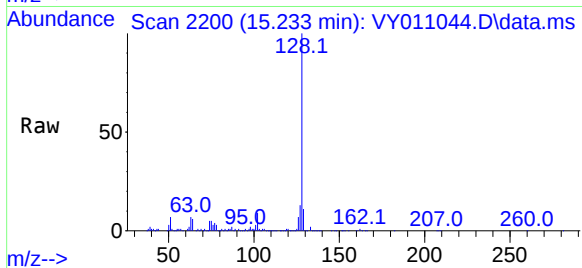
Acq: 21 Oct 2022 12:51

Instrument :

MSVOA_Y

ClientSampleId :

LSP-SS-07-20-40



Tgt Ion:128 Resp: 152471

Ion Ratio Lower Upper

128 100

127 13.0 11.0 16.4

129 11.1 8.4 12.6

