

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102022\
 Data File : VY011027.D
 Acq On : 20 Oct 2022 15:58
 Operator : KP/MD
 Sample : N5193-05
 Misc : 5.87g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LSP-SS-03-01-03

Quant Time: Oct 20 22:24:25 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)

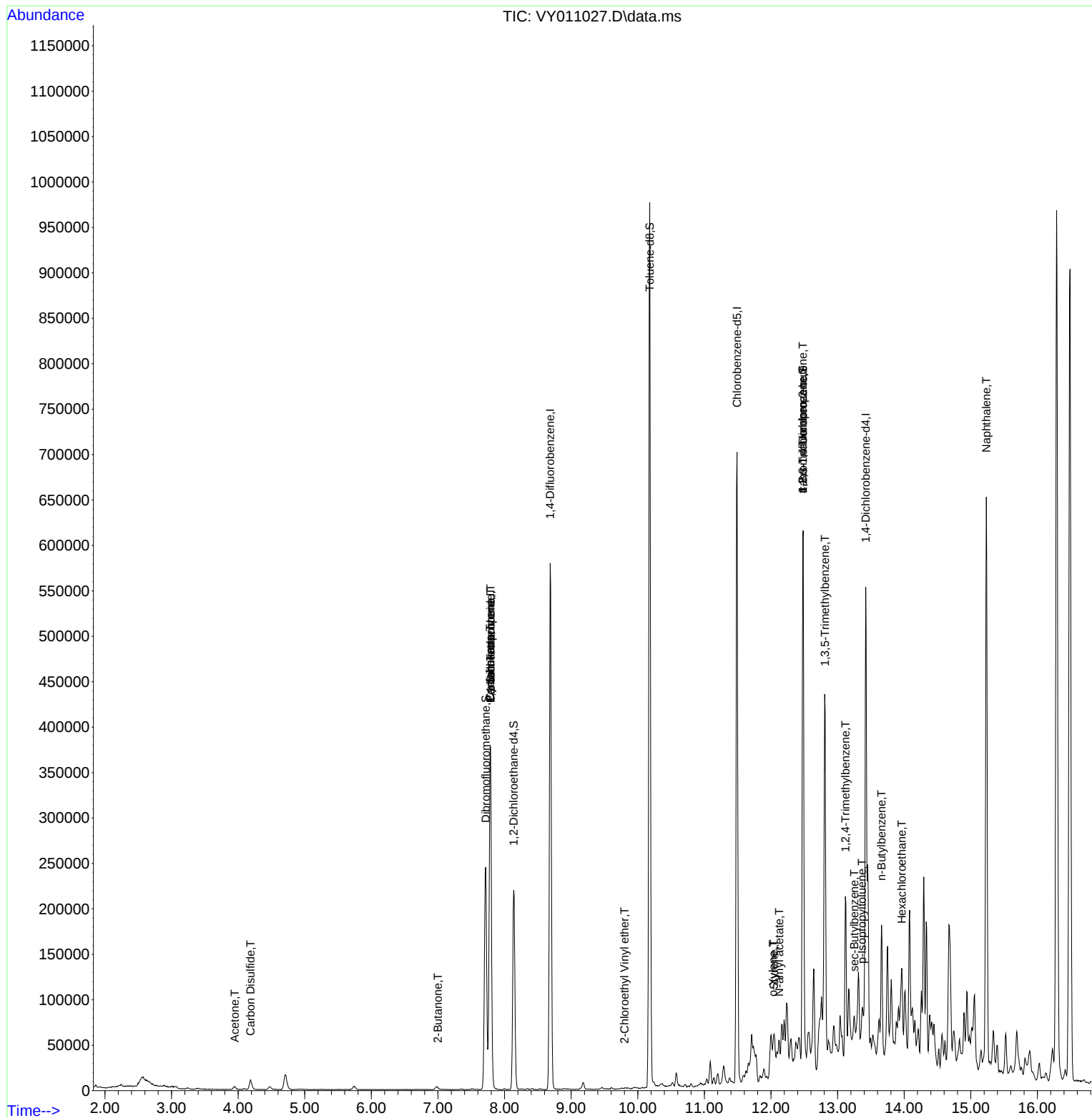
Internal Standards						
1) Pentafluorobenzene	7.789	168	307204	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	504498	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	390012	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	131389	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	172750	61.047	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 122.100%			
35) Dibromofluoromethane	7.716	113	180475	64.814	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 129.620%			
50) Toluene-d8	10.179	98	643880	61.124	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 122.240%			
62) 4-Bromofluorobenzene	12.477	95	177208	47.327	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 94.660%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.948	59	665	Below Cal	#	77
16) Acetone	3.948	43	5540	6.742	ug/l #	78
17) Carbon Disulfide	4.186	76	21199	2.481	ug/l	99
18) Methyl Acetate	4.473	43	6209	Below Cal	#	90
20) Methylene Chloride	4.710	84	13442	Below Cal	#	75
25) 2-Butanone	6.997	43	1541	1.237	ug/l	92
31) Cyclohexane	7.783	56	6670	1.232	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	23304	4.962	ug/l #	50
38) Carbon Tetrachloride	7.789	117	30796	6.352	ug/l #	15
58) 2-Chloroethyl Vinyl ether	9.801	63	113	17.017	ug/l #	48
69) o-Xylene	12.032	106	5190	1.003	ug/l	92
70) Styrene	12.044	104	12383	1.412	ug/l	94
74) N-amyl acetate	12.124	43	4999	2.064	ug/l #	47
76) 1,2,3-Trichloropropane	12.477	75	87784	58.849	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.813	105	146720	18.422	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.477	75	87784	126.567	ug/l #	8
84) 1,2,4-Trimethylbenzene	13.117	105	87718	11.169	ug/l	98
85) sec-Butylbenzene	13.251	105	10779	1.042	ug/l	93
86) p-Isopropyltoluene	13.367	119	16363	1.906	ug/l	97
89) n-Butylbenzene	13.660	91	13971	1.741	ug/l #	1
90) Hexachloroethane	13.965	117	2804	1.655	ug/l #	6
95) Naphthalene	15.233	128	520219	107.277	ug/l	98

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102022\
Data File : VY011027.D
Acq On : 20 Oct 2022 15:58
Operator : KP/MD
Sample : N5193-05
Misc : 5.87g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
LSP-SS-03-01-03

Quant Time: Oct 20 22:24:25 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

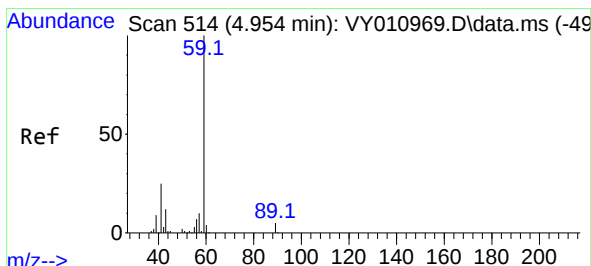
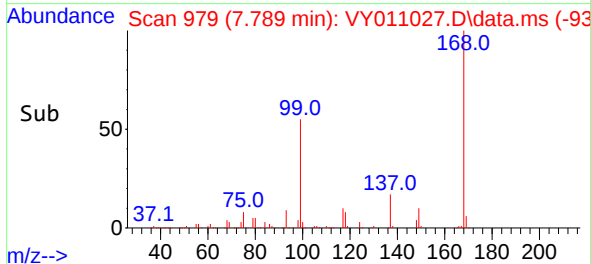
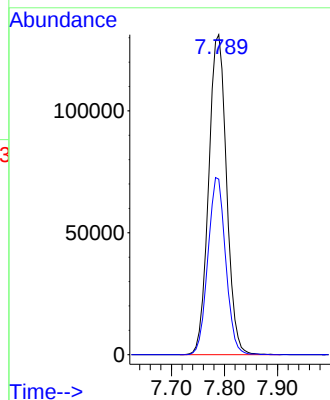
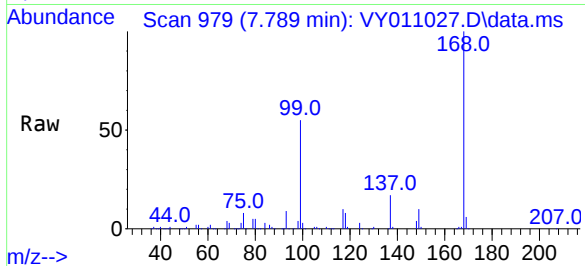




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY011027.D
Acq: 20 Oct 2022 15:58

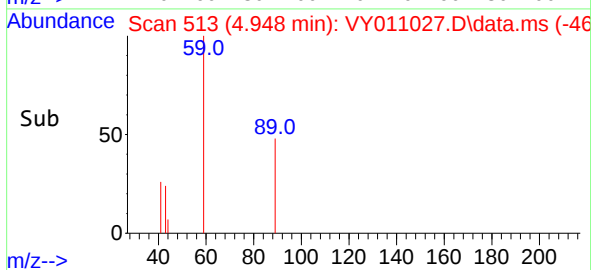
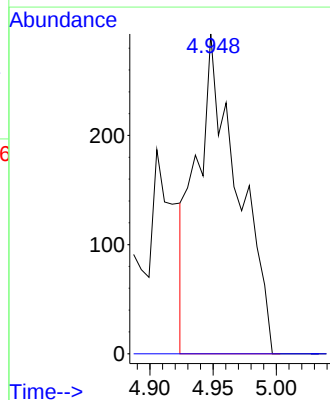
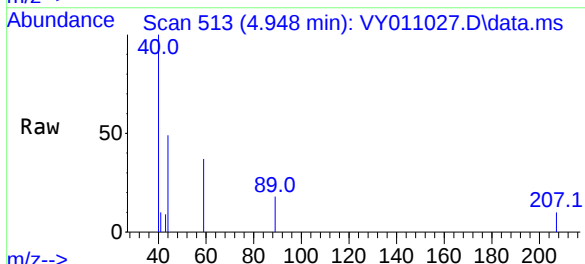
Instrument :
MSVOA_Y
ClientSampleId :
LSP-SS-03-01-03

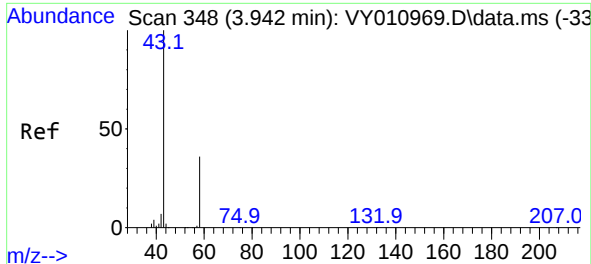
Tgt Ion:168 Resp: 307204
Ion Ratio Lower Upper
168 100
99 54.8 46.9 70.3



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.948 min Scan# 513
Delta R.T. -0.006 min
Lab File: VY011027.D
Acq: 20 Oct 2022 15:58

Tgt Ion: 59 Resp: 665
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#





#16

Acetone

Concen: 6.742 ug/l

RT: 3.948 min Scan# 34

Delta R.T. 0.006 min

Lab File: VY011027.D

Acq: 20 Oct 2022 15:58

Instrument :

MSVOA_Y

ClientSampleId :

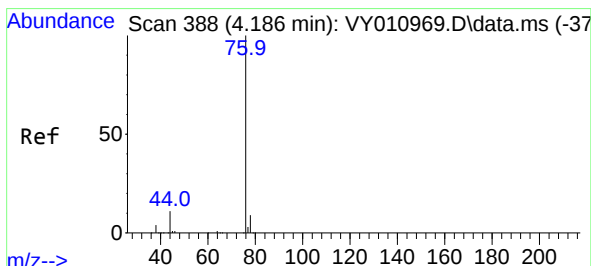
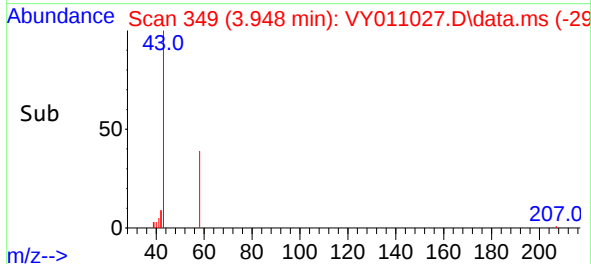
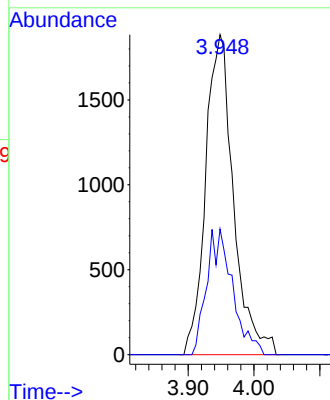
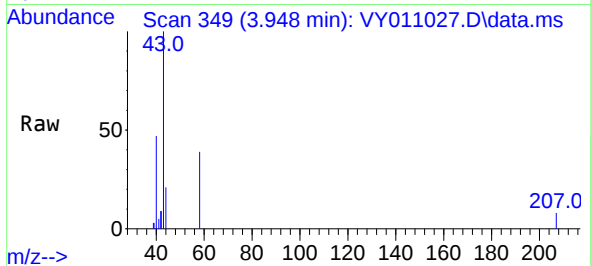
LSP-SS-03-01-03

Tgt Ion: 43 Resp: 5540

Ion Ratio Lower Upper

43 100

58 39.2 22.0 33.0#



#17

Carbon Disulfide

Concen: 2.481 ug/l

RT: 4.186 min Scan# 388

Delta R.T. 0.000 min

Lab File: VY011027.D

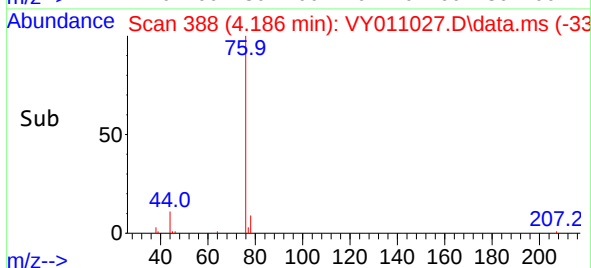
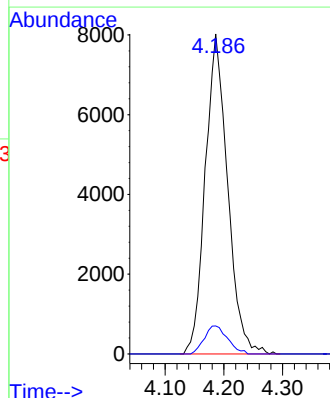
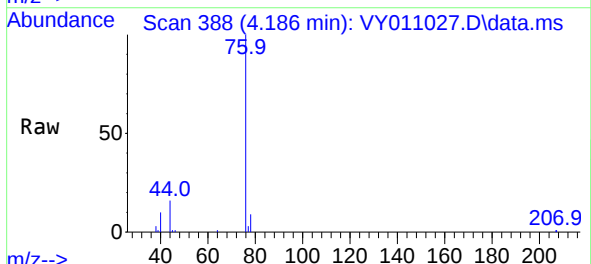
Acq: 20 Oct 2022 15:58

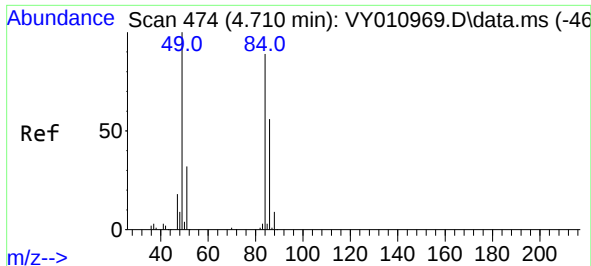
Tgt Ion: 76 Resp: 21199

Ion Ratio Lower Upper

76 100

78 8.8 7.4 11.0

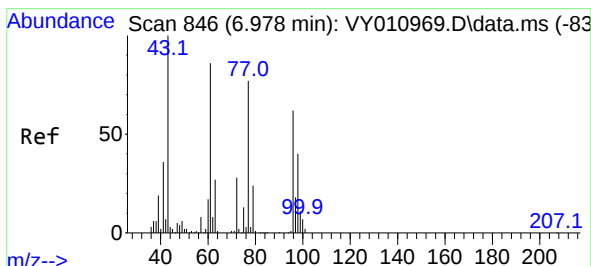
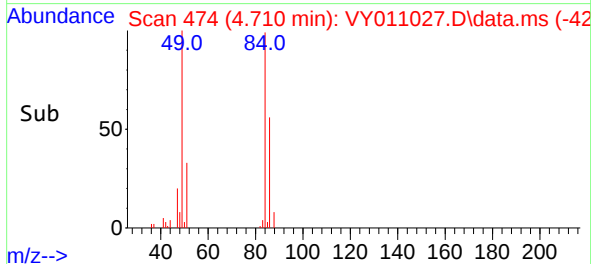
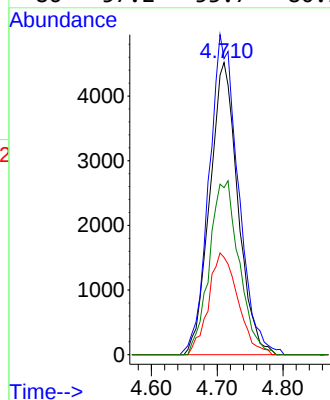
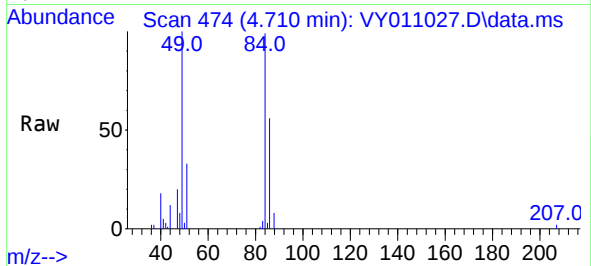




#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY011027.D
Acq: 20 Oct 2022 15:58

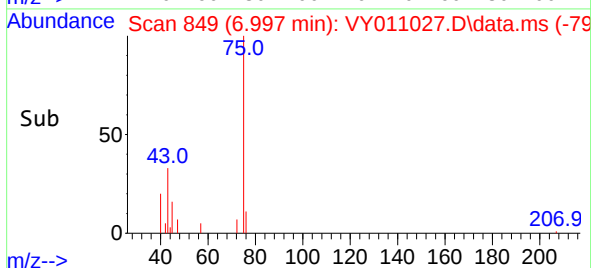
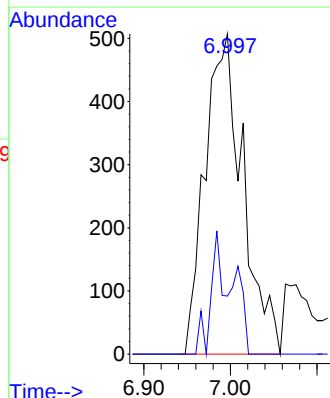
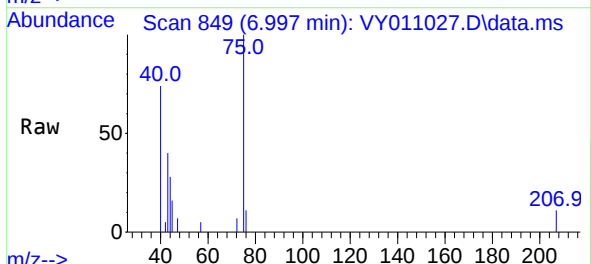
Instrument :
MSVOA_Y
ClientSampleId :
LSP-SS-03-01-03

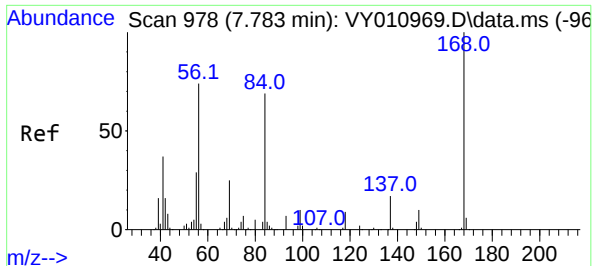
Tgt Ion: 84 Resp: 13442
Ion Ratio Lower Upper
84 100
49 101.4 114.4 171.6#
51 33.3 35.3 52.9#
86 57.2 53.7 80.5



#25
2-Butanone
Concen: 1.237 ug/l
RT: 6.997 min Scan# 849
Delta R.T. 0.019 min
Lab File: VY011027.D
Acq: 20 Oct 2022 15:58

Tgt Ion: 43 Resp: 1541
Ion Ratio Lower Upper
43 100
72 18.1 17.7 26.5

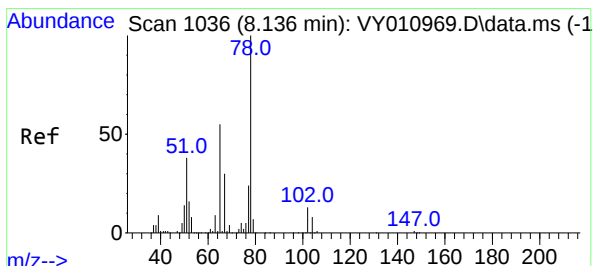
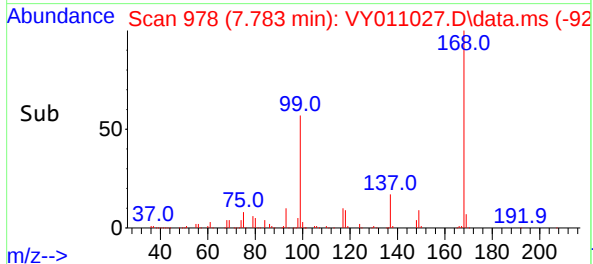
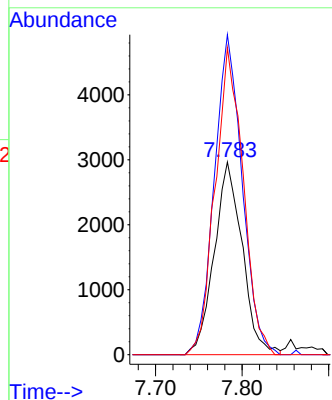
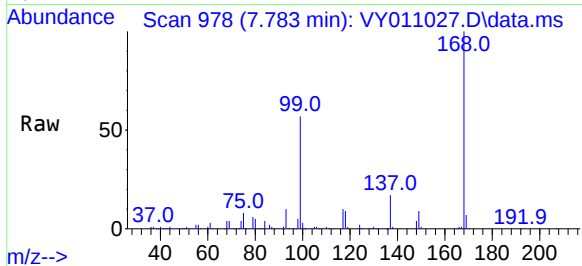




#31
Cyclohexane
Concen: 1.232 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011027.D
Acq: 20 Oct 2022 15:58

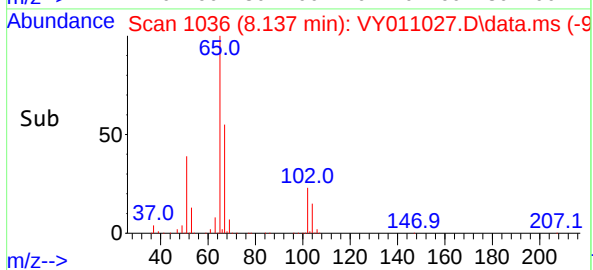
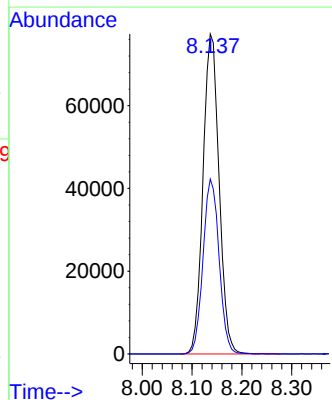
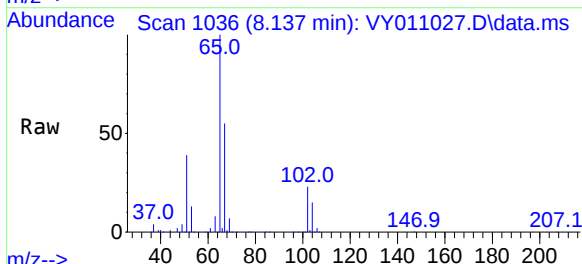
Instrument :
MSVOA_Y
ClientSampleId :
LSP-SS-03-01-03

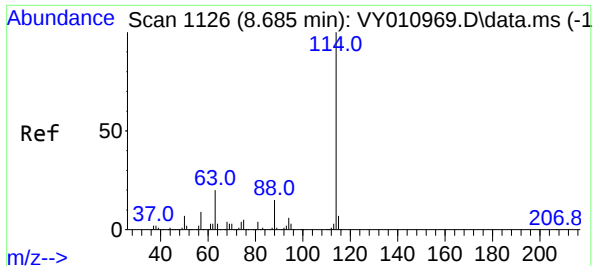
Tgt Ion: 56 Resp: 6670
Ion Ratio Lower Upper
56 100
69 166.2 26.7 40.1#
84 159.4 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 61.047 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. 0.001 min
Lab File: VY011027.D
Acq: 20 Oct 2022 15:58

Tgt Ion: 65 Resp: 172750
Ion Ratio Lower Upper
65 100
67 54.6 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: VY011027.D

Acq: 20 Oct 2022 15:58

Instrument :

MSVOA_Y

ClientSampleId :

LSP-SS-03-01-03

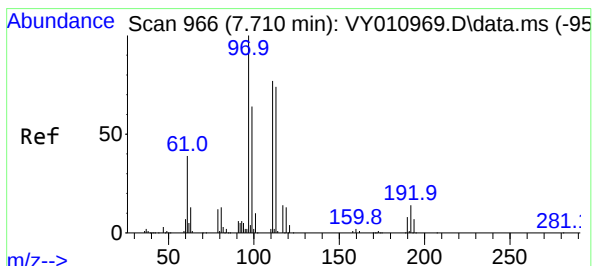
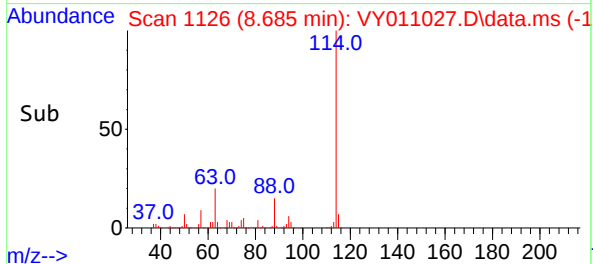
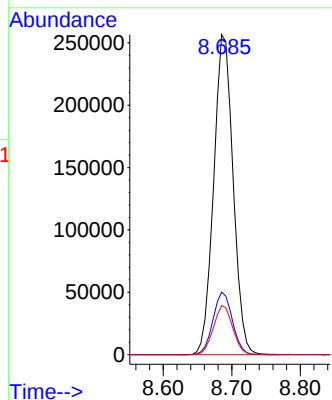
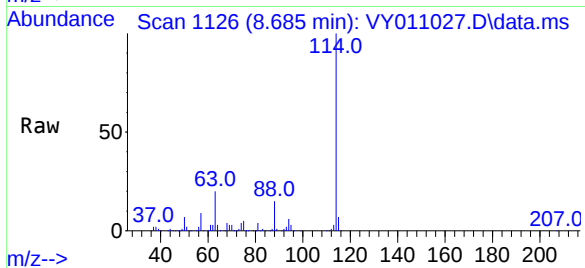
Tgt Ion:114 Resp: 504498

Ion Ratio Lower Upper

114 100

63 19.6 0.0 43.2

88 15.3 0.0 31.8



#35

Dibromofluoromethane

Concen: 64.814 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.006 min

Lab File: VY011027.D

Acq: 20 Oct 2022 15:58

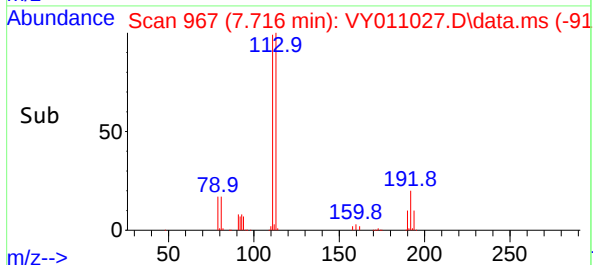
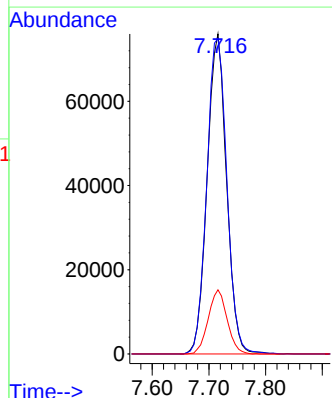
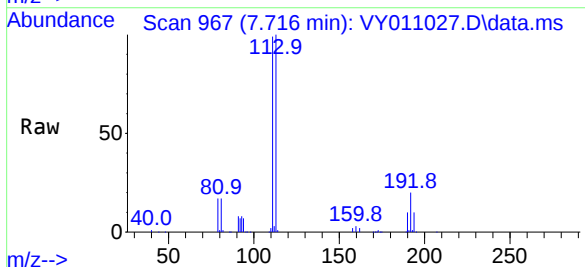
Tgt Ion:113 Resp: 180475

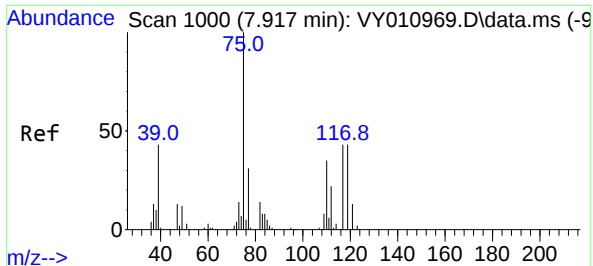
Ion Ratio Lower Upper

113 100

111 102.3 82.6 124.0

192 19.5 17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.962 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY011027.D

Acq: 20 Oct 2022 15:58

Instrument :

MSVOA_Y

ClientSampleId :

LSP-SS-03-01-03

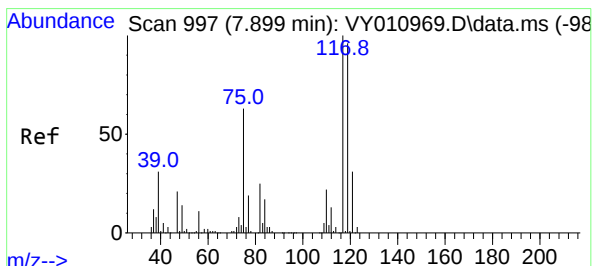
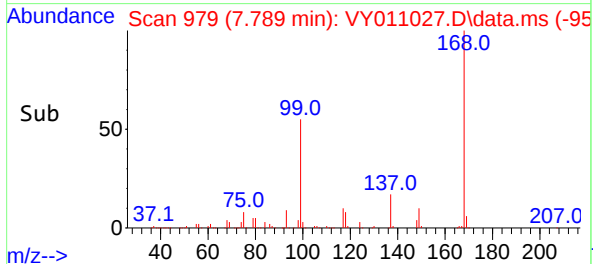
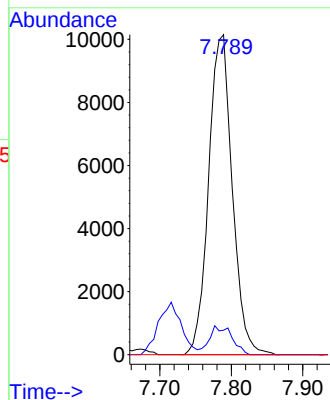
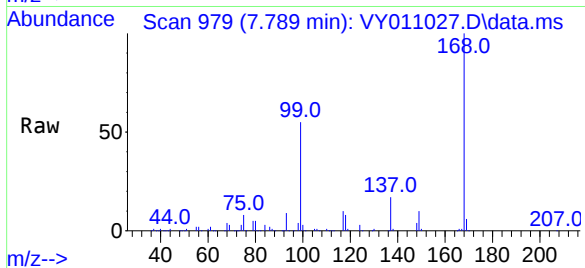
Tgt Ion: 75 Resp: 23304

Ion Ratio Lower Upper

75 100

110 8.6 17.1 51.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 6.352 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY011027.D

Acq: 20 Oct 2022 15:58

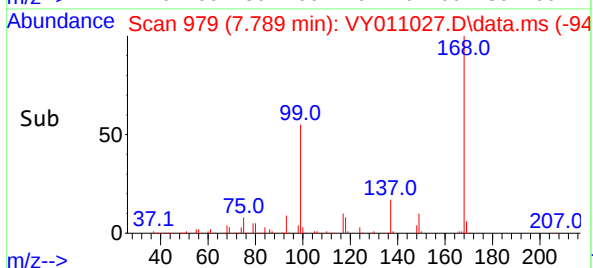
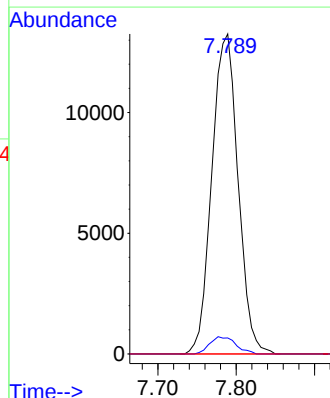
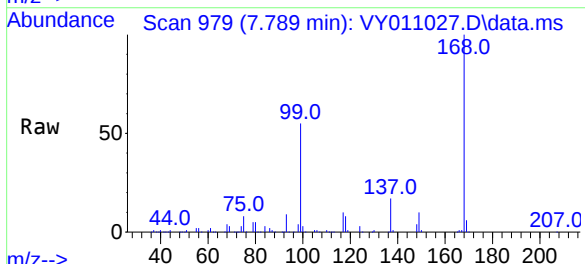
Tgt Ion: 117 Resp: 30796

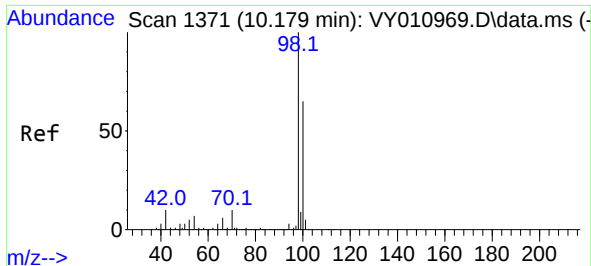
Ion Ratio Lower Upper

117 100

119 5.0 77.9 116.9#

121 0.0 24.8 37.2#

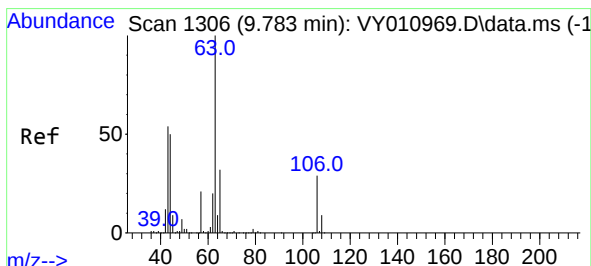
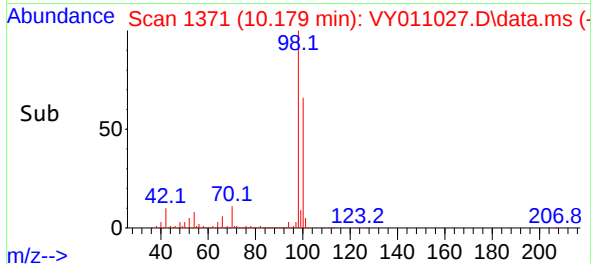
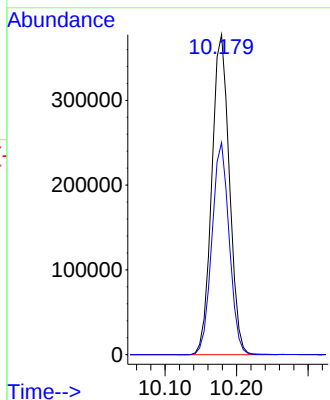
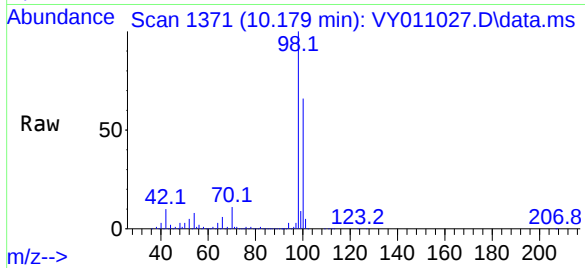




#50
Toluene-d8
Concen: 61.124 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011027.D
Acq: 20 Oct 2022 15:58

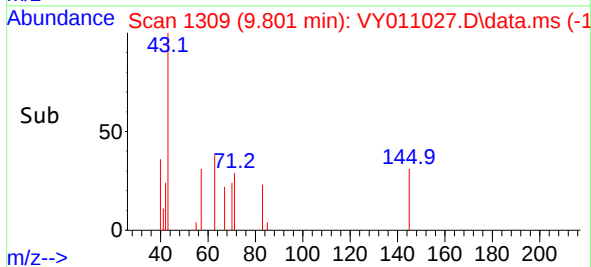
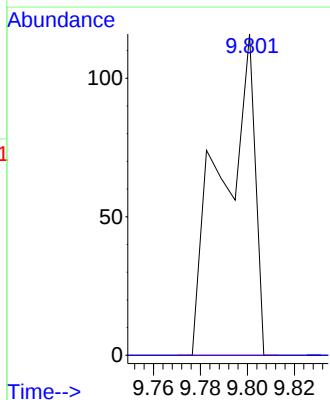
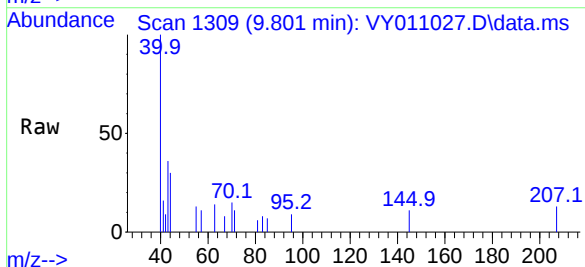
Instrument :
MSVOA_Y
ClientSampleId :
LSP-SS-03-01-03

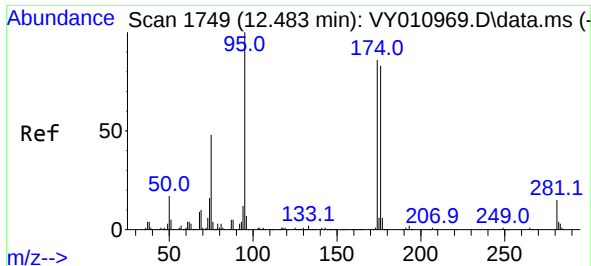
Tgt Ion: 98 Resp: 643880
Ion Ratio Lower Upper
98 100
100 65.2 50.2 75.2



#58
2-Chloroethyl Vinyl ether
Concen: 17.017 ug/l
RT: 9.801 min Scan# 1309
Delta R.T. 0.018 min
Lab File: VY011027.D
Acq: 20 Oct 2022 15:58

Tgt Ion: 63 Resp: 113
Ion Ratio Lower Upper
63 100
106 0.0 21.5 32.3#

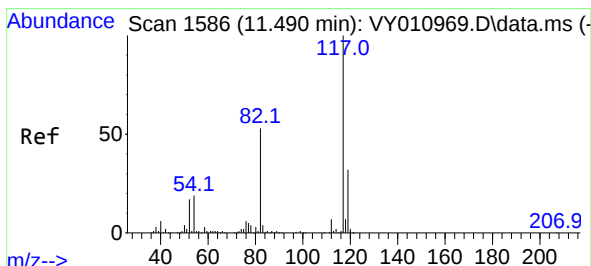
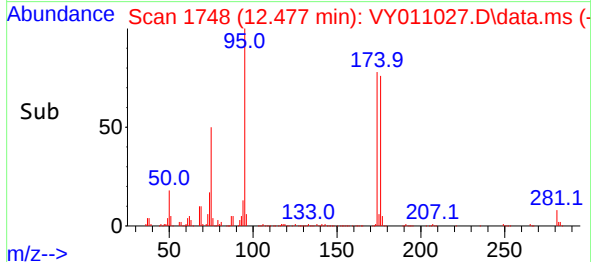
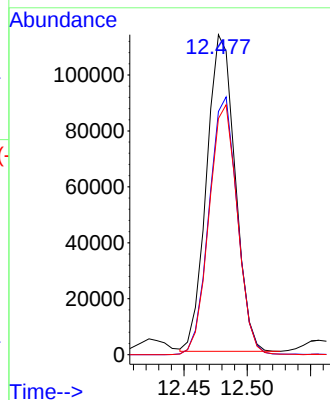
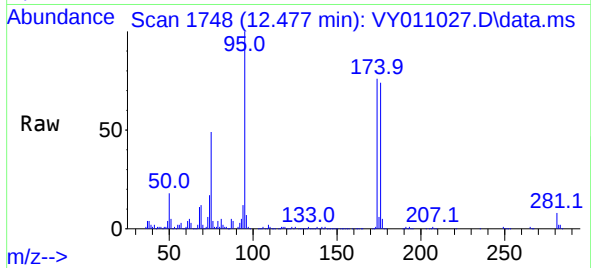




#62
4-Bromofluorobenzene
Concen: 47.327 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY011027.D
Acq: 20 Oct 2022 15:58

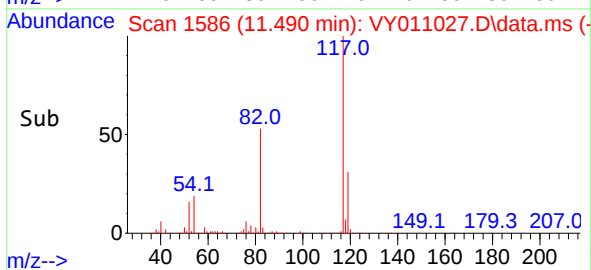
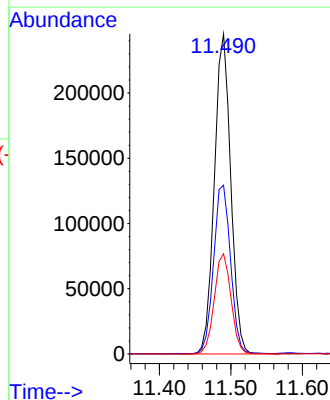
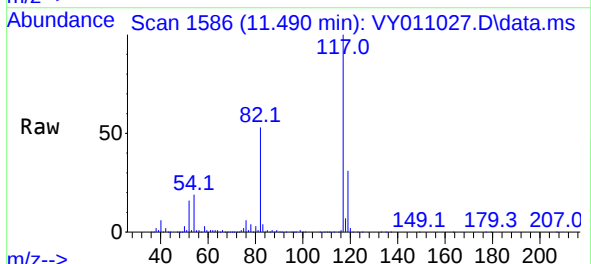
Instrument :
MSVOA_Y
ClientSampleId :
LSP-SS-03-01-03

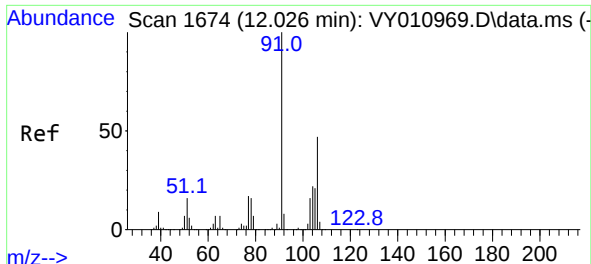
Tgt Ion: 95 Resp: 177208
Ion Ratio Lower Upper
95 100
174 80.9 0.0 177.0
176 78.9 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY011027.D
Acq: 20 Oct 2022 15:58

Tgt Ion: 117 Resp: 390012
Ion Ratio Lower Upper
117 100
82 52.6 43.0 64.4
119 31.3 25.4 38.0

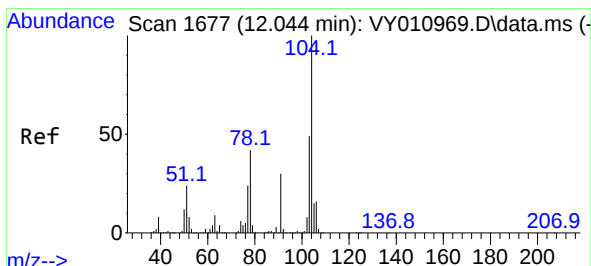
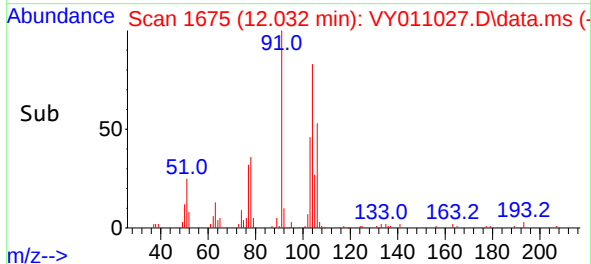
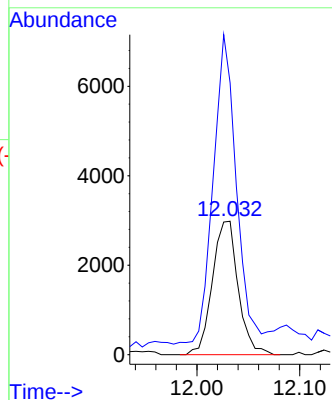
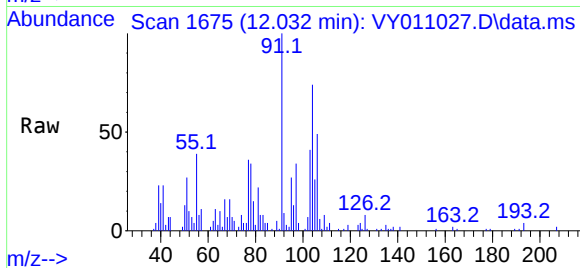




#69
o-Xylene
Concen: 1.003 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. 0.006 min
Lab File: VY011027.D
Acq: 20 Oct 2022 15:58

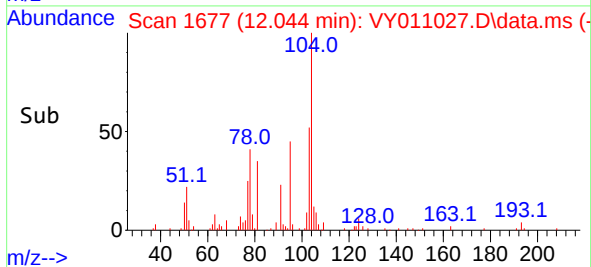
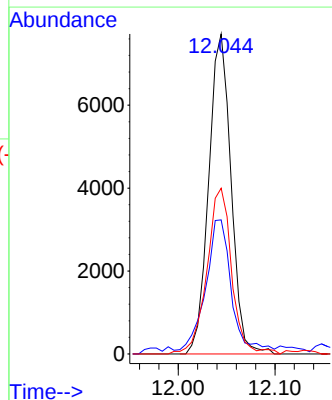
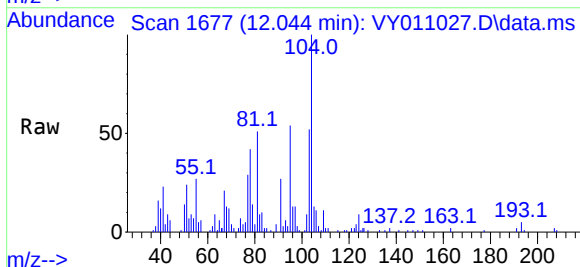
Instrument :
MSVOA_Y
ClientSampleId :
LSP-SS-03-01-03

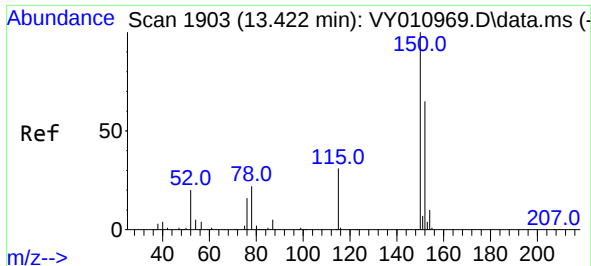
Tgt Ion:106 Resp: 5190
Ion Ratio Lower Upper
106 100
91 208.6 110.3 331.0



#70
Styrene
Concen: 1.412 ug/l
RT: 12.044 min Scan# 1677
Delta R.T. 0.000 min
Lab File: VY011027.D
Acq: 20 Oct 2022 15:58

Tgt Ion:104 Resp: 12383
Ion Ratio Lower Upper
104 100
78 46.8 42.4 63.6
103 57.3 44.4 66.6

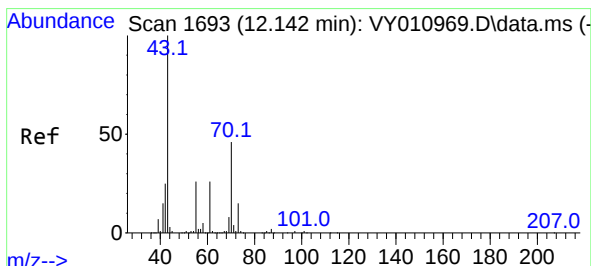
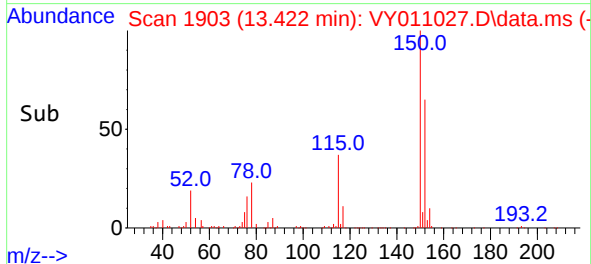
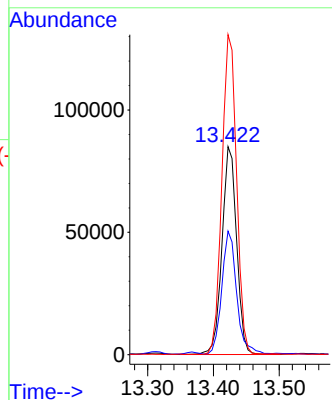
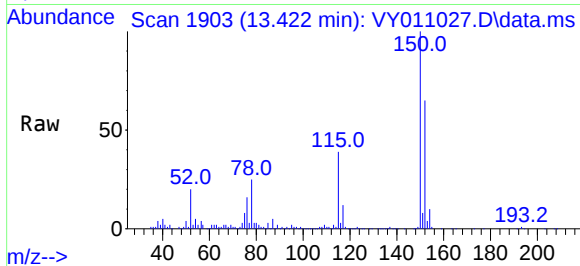




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY011027.D
Acq: 20 Oct 2022 15:58

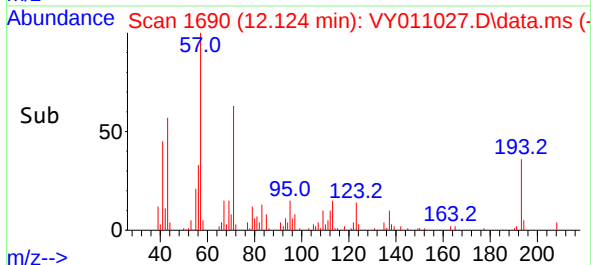
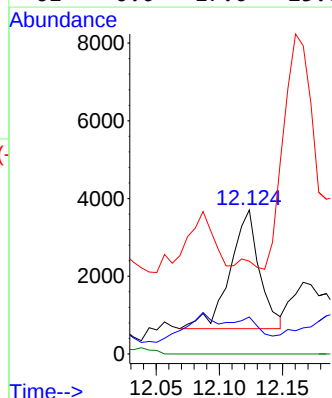
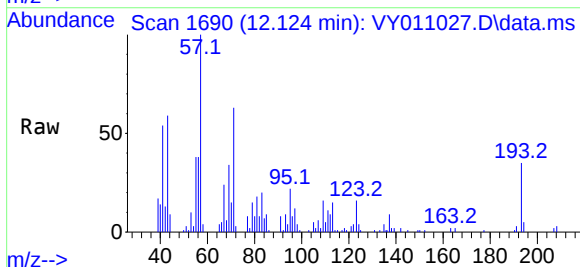
Instrument :
MSVOA_Y
ClientSampleId :
LSP-SS-03-01-03

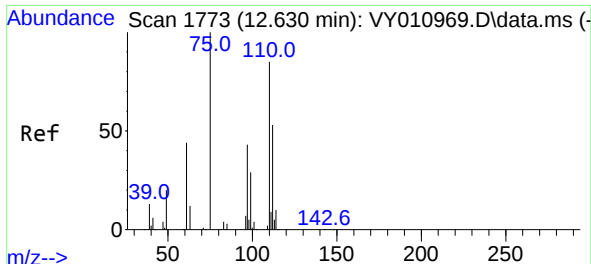
Tgt Ion:152 Resp: 131389
Ion Ratio Lower Upper
152 100
115 59.9 28.2 84.7
150 154.2 0.0 347.6



#74
N-ethyl acetate
Concen: 2.064 ug/l
RT: 12.124 min Scan# 1690
Delta R.T. -0.018 min
Lab File: VY011027.D
Acq: 20 Oct 2022 15:58

Tgt Ion: 43 Resp: 4999
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#

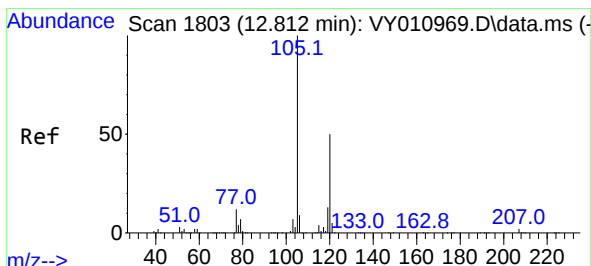
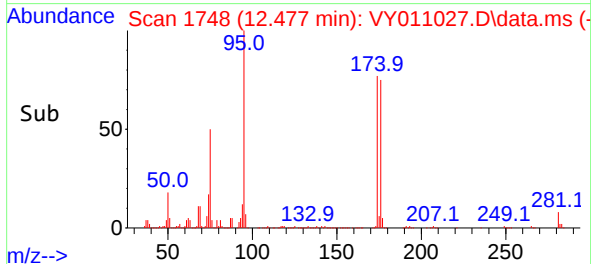
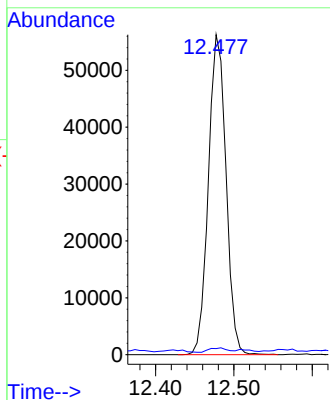
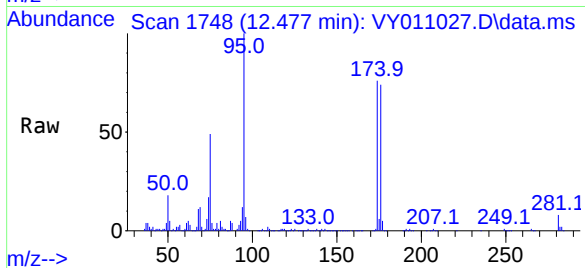




#76
1,2,3-Trichloropropane
Concen: 58.849 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.153 min
Lab File: VY011027.D
Acq: 20 Oct 2022 15:58

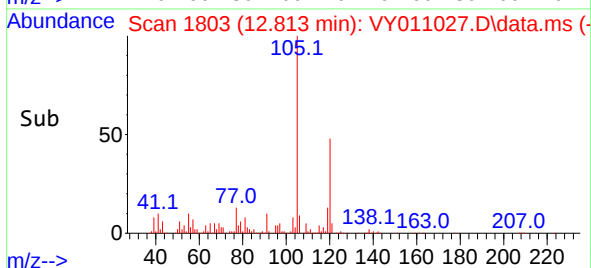
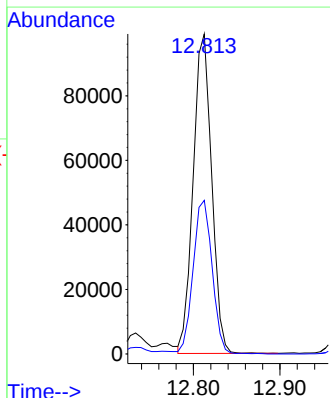
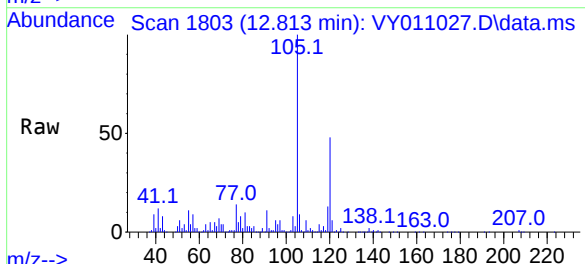
Instrument :
MSVOA_Y
ClientSampleId :
LSP-SS-03-01-03

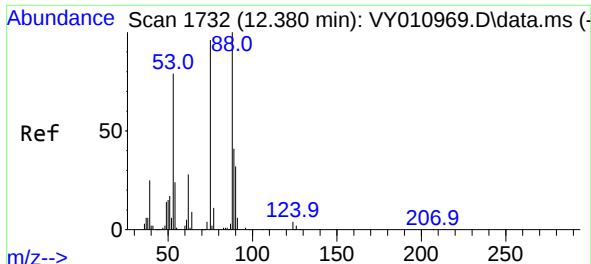
Tgt Ion: 75 Resp: 87784
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#80
1,3,5-Trimethylbenzene
Concen: 18.422 ug/l
RT: 12.813 min Scan# 1803
Delta R.T. 0.001 min
Lab File: VY011027.D
Acq: 20 Oct 2022 15:58

Tgt Ion:105 Resp: 146720
Ion Ratio Lower Upper
105 100
120 49.8 24.4 73.4

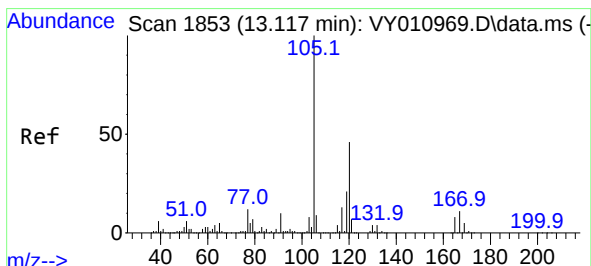
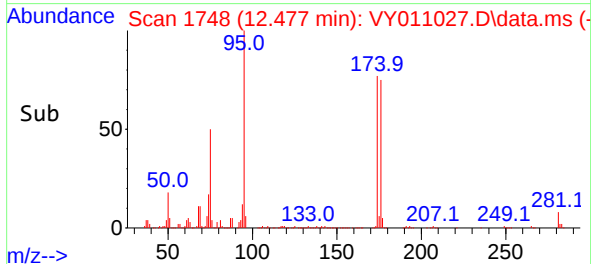
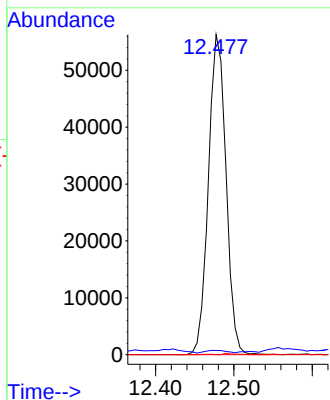
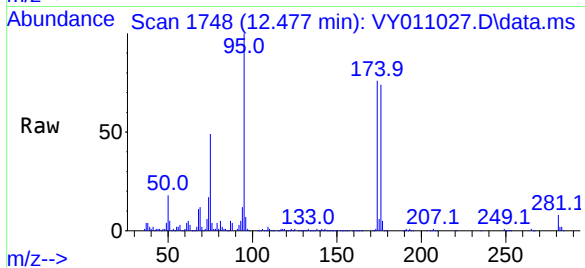




#81
trans-1,4-Dichloro-2-butene
Concen: 126.567 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.097 min
Lab File: VY011027.D
Acq: 20 Oct 2022 15:58

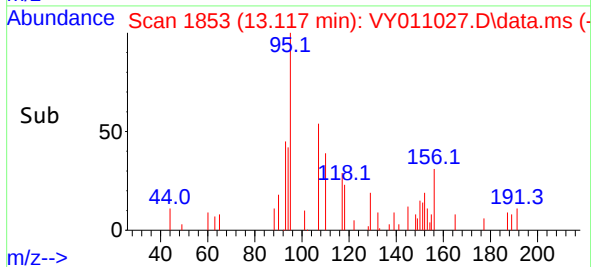
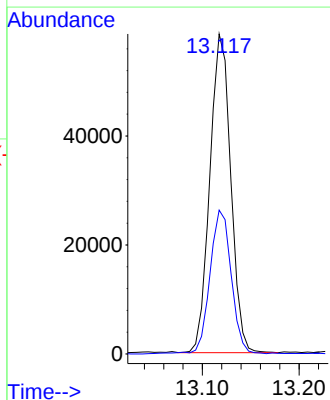
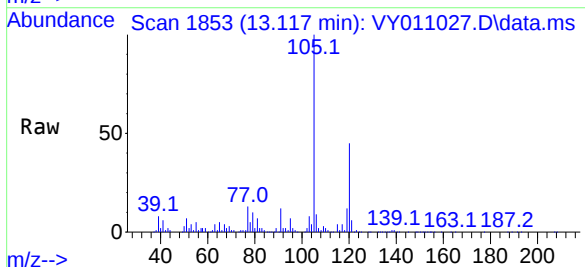
Instrument :
MSVOA_Y
ClientSampleId :
LSP-SS-03-01-03

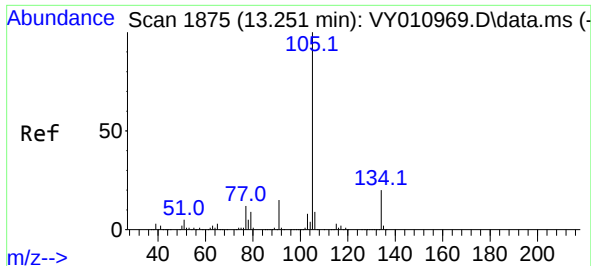
Tgt Ion: 75 Resp: 87784
Ion Ratio Lower Upper
75 100
53 1.0 85.3 127.9#
89 0.1 37.0 55.4#



#84
1,2,4-Trimethylbenzene
Concen: 11.169 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VY011027.D
Acq: 20 Oct 2022 15:58

Tgt Ion: 105 Resp: 87718
Ion Ratio Lower Upper
105 100
120 46.1 22.3 66.9

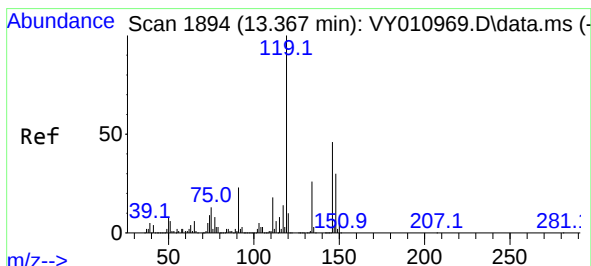
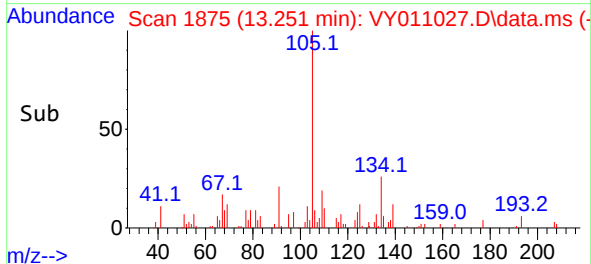
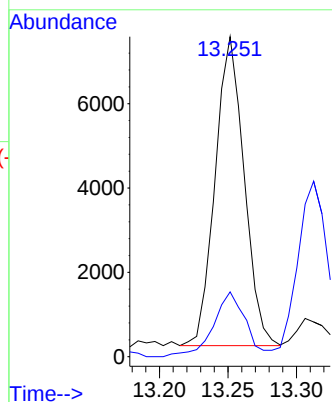
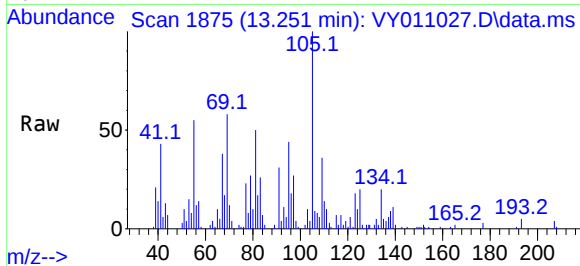




#85
 sec-Butylbenzene
 Concen: 1.042 ug/l
 RT: 13.251 min Scan# 1875
 Delta R.T. 0.000 min
 Lab File: VY011027.D
 Acq: 20 Oct 2022 15:58

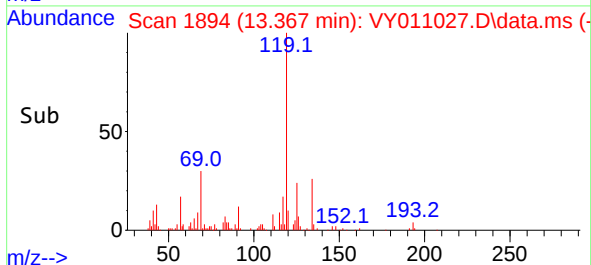
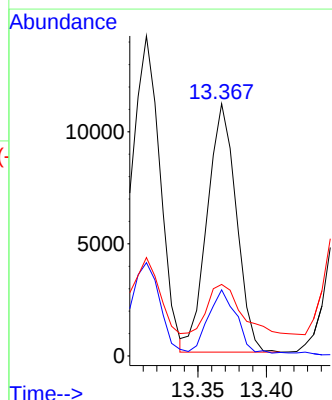
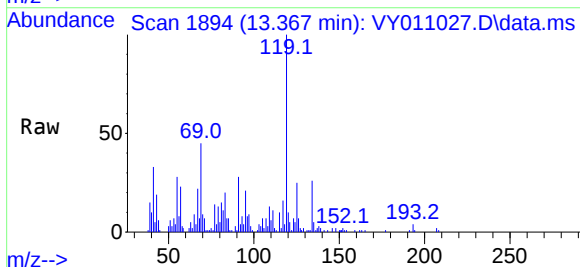
Instrument :
 MSVOA_Y
 ClientSampleId :
 LSP-SS-03-01-03

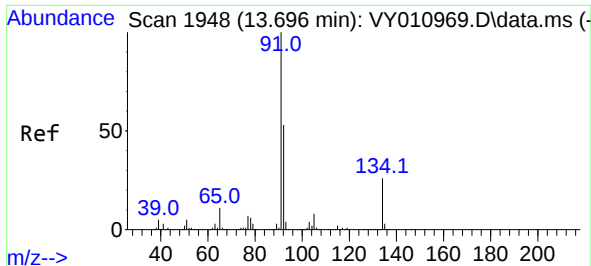
Tgt Ion:105 Resp: 10779
 Ion Ratio Lower Upper
 105 100
 134 23.4 10.2 30.4



#86
 p-Isopropyltoluene
 Concen: 1.906 ug/l
 RT: 13.367 min Scan# 1894
 Delta R.T. 0.000 min
 Lab File: VY011027.D
 Acq: 20 Oct 2022 15:58

Tgt Ion:119 Resp: 16363
 Ion Ratio Lower Upper
 119 100
 134 27.3 13.2 39.5
 91 22.5 12.4 37.2

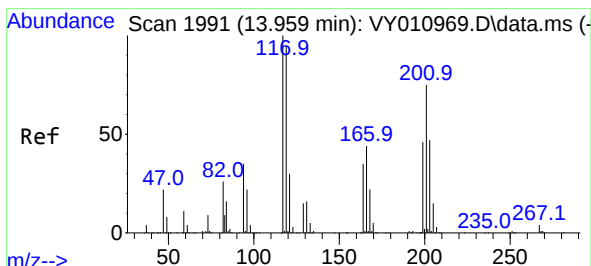
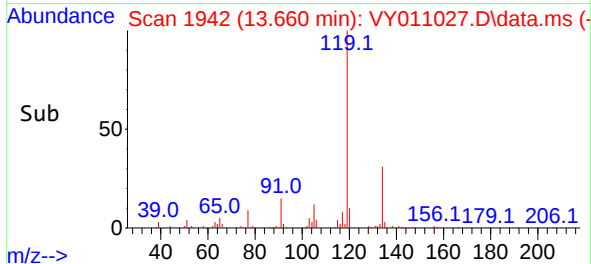
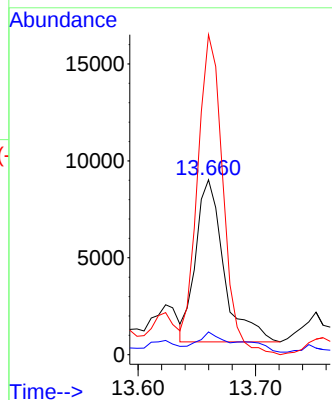
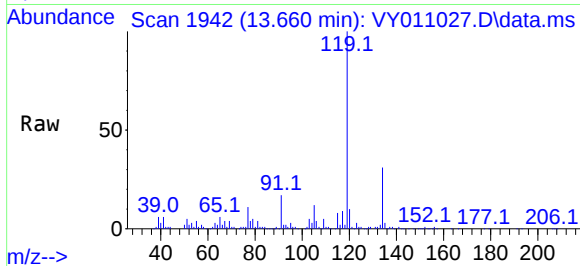




#89
n-Butylbenzene
Concen: 1.741 ug/l
RT: 13.660 min Scan# 1948
Delta R.T. -0.036 min
Lab File: VY011027.D
Acq: 20 Oct 2022 15:58

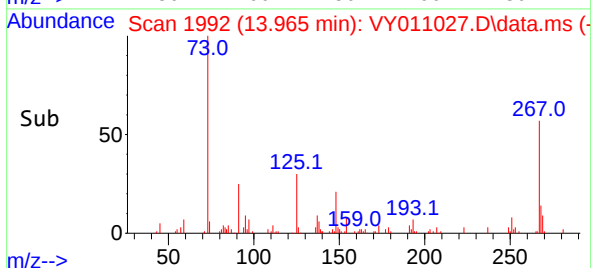
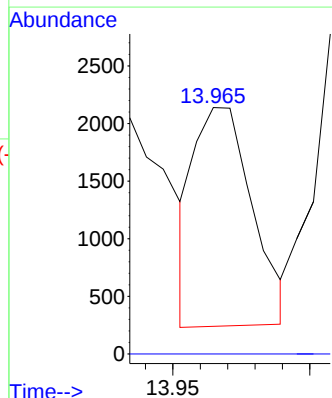
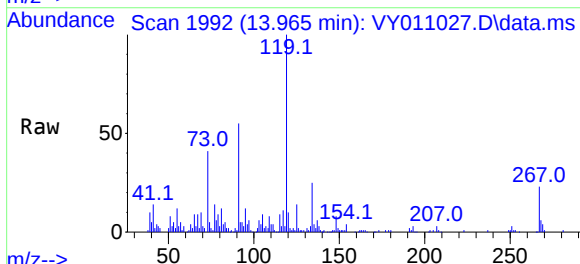
Instrument :
MSVOA_Y
ClientSampleId :
LSP-SS-03-01-03

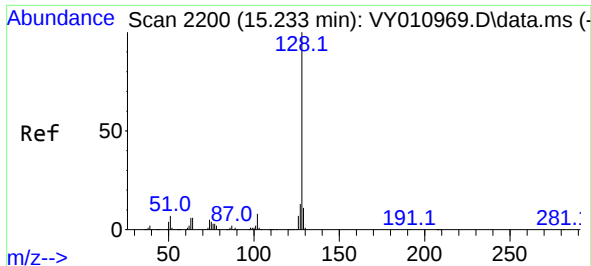
Tgt Ion: 91 Resp: 13971
Ion Ratio Lower Upper
91 100
92 6.6 26.3 78.9#
134 179.5 13.0 38.9#



#90
Hexachloroethane
Concen: 1.655 ug/l
RT: 13.965 min Scan# 1992
Delta R.T. 0.006 min
Lab File: VY011027.D
Acq: 20 Oct 2022 15:58

Tgt Ion: 117 Resp: 2804
Ion Ratio Lower Upper
117 100
201 0.0 43.0 128.8#





#95

Naphthalene

Concen: 107.277 ug/l

RT: 15.233 min Scan# 21

Delta R.T. -0.000 min

Lab File: VY011027.D

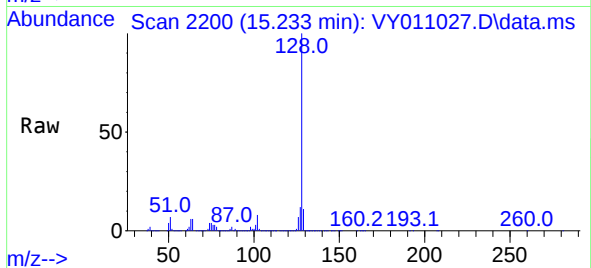
Acq: 20 Oct 2022 15:58

Instrument :

MSVOA_Y

ClientSampleId :

LSP-SS-03-01-03



Tgt Ion:128 Resp: 520219

Ion Ratio Lower Upper

128 100

127 12.5 11.0 16.4

129 11.0 8.4 12.6

