

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102022\
 Data File : VY011017.D
 Acq On : 20 Oct 2022 12:12
 Operator : KP/MD
 Sample : N5193-07
 Misc : 5.54g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: Oct 20 22:22:21 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)

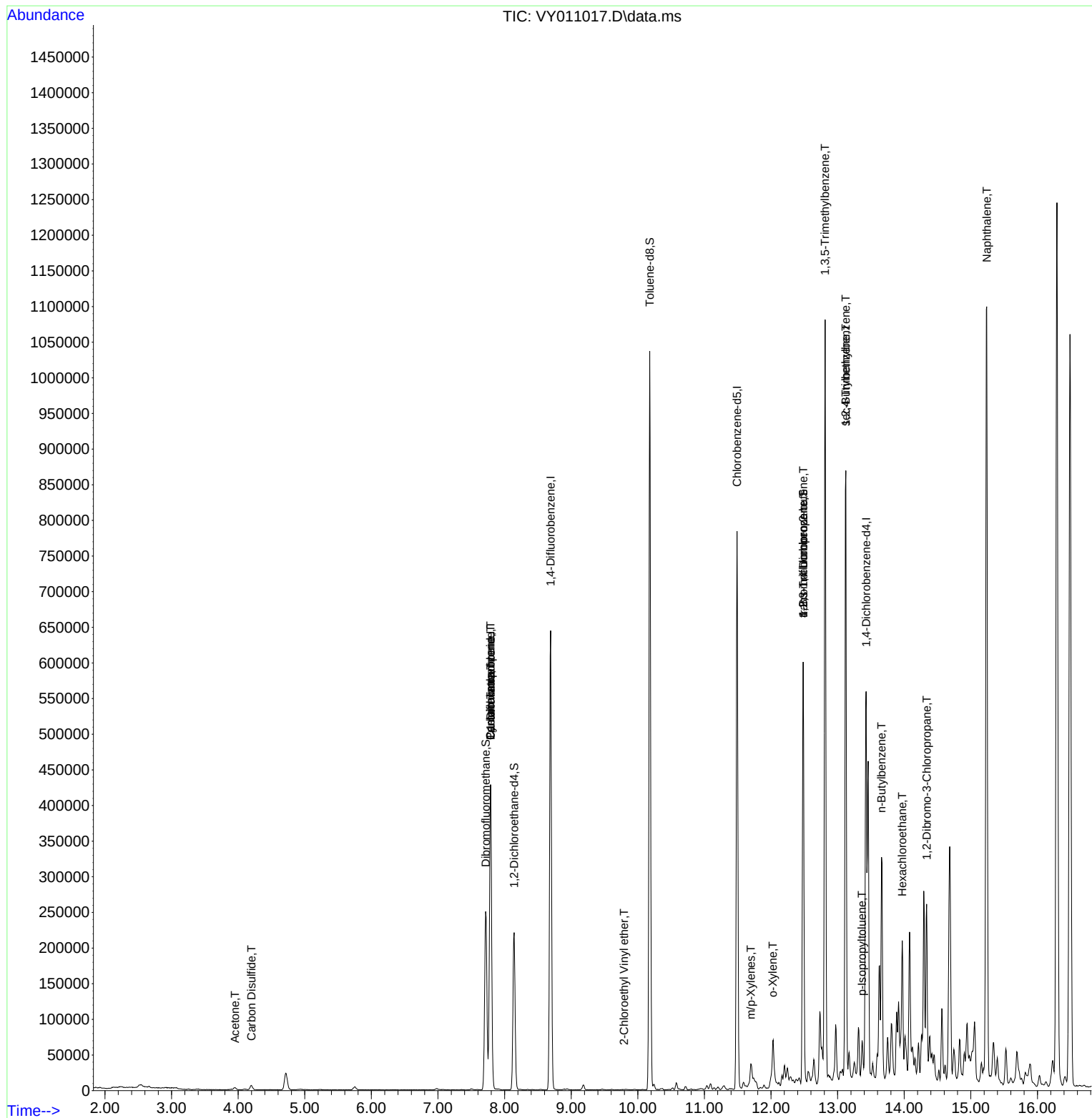
Internal Standards						
1) Pentafluorobenzene	7.789	168	333996	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	554661	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	426337	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	146766	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	172444	56.050	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 112.100%	
35) Dibromofluoromethane	7.715	113	182259	59.352	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 118.700%	
50) Toluene-d8	10.178	98	667121	57.603	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 115.200%	
62) 4-Bromofluorobenzene	12.483	95	176220	42.494	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 84.980%	
Target Compounds						Qvalue
11) Tert butyl alcohol	4.936	59	1025	Below Cal	#	77
16) Acetone	3.954	43	5183	5.801	ug/l #	81
17) Carbon Disulfide	4.198	76	12242	1.318	ug/l	99
18) Methyl Acetate	4.484	43	75	Below Cal	#	56
20) Methylene Chloride	4.716	84	18584	Below Cal	#	82
31) Cyclohexane	7.789	56	7287	1.238	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	25716	4.980	ug/l #	50
38) Carbon Tetrachloride	7.789	117	32562	6.109	ug/l #	15
58) 2-Chloroethyl Vinyl ether	9.794	63	120	17.015	ug/l #	48
68) m/p-Xylenes	11.696	106	9445	1.586	ug/l	97
69) o-Xylene	12.026	106	16356	2.892	ug/l	96
76) 1,2,3-Trichloropropane	12.483	75	89236	53.555	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.812	105	528733	59.430	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.483	75	89236	115.181	ug/l #	8
84) 1,2,4-Trimethylbenzene	13.123	105	455420	51.912	ug/l	98
85) sec-Butylbenzene	13.123	105	455420	39.394	ug/l #	56
86) p-Isopropyltoluene	13.367	119	22206	2.315	ug/l	96
89) n-Butylbenzene	13.660	91	32401	3.615	ug/l #	1
90) Hexachloroethane	13.970	117	8751	4.624	ug/l #	11
92) 1,2-Dibromo-3-Chloropr...	14.336	75	933	2.522	ug/l #	6
95) Naphthalene	15.239	128	923334	170.456	ug/l	98

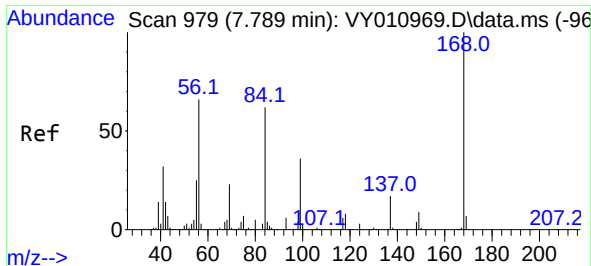
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Oct 18 01:42:42 2022
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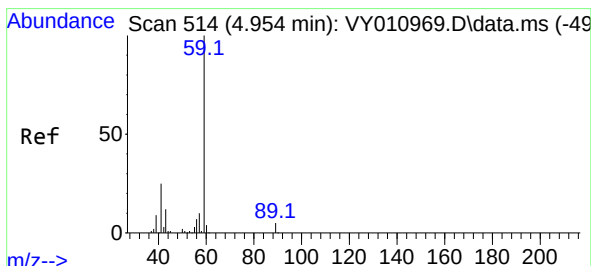
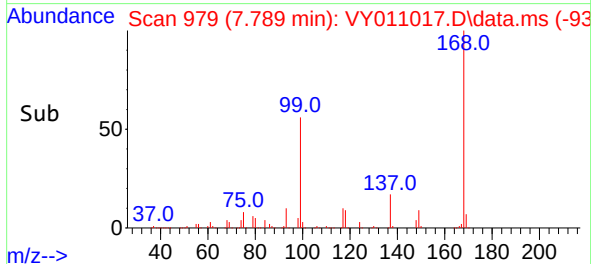
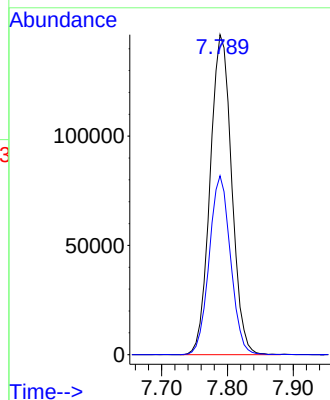
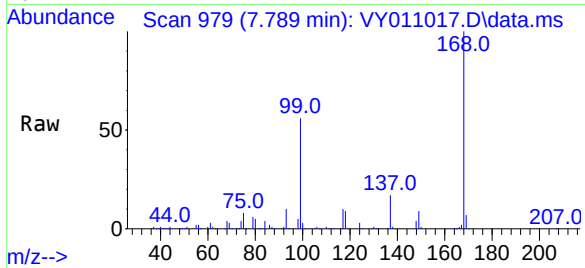




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011017.D
Acq: 20 Oct 2022 12:12

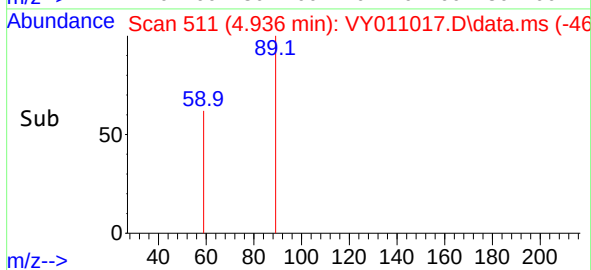
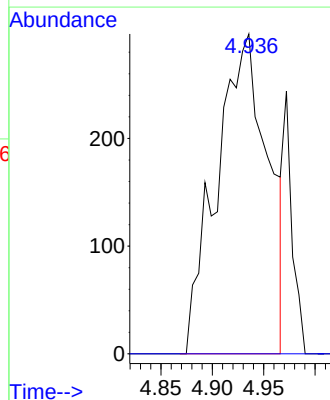
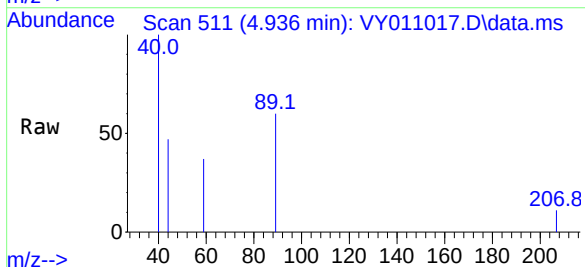
Instrument :
MSVOA_Y
ClientSampleId :
LSP-SS-03-01-03-D

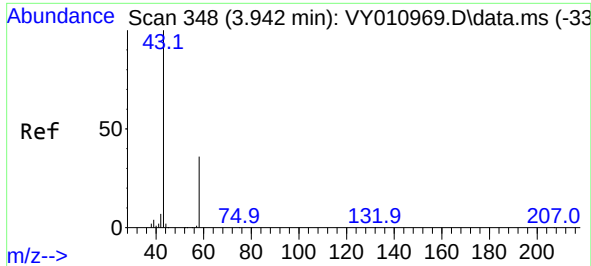
Tgt Ion:168 Resp: 333996
Ion Ratio Lower Upper
168 100
99 55.9 46.9 70.3



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.936 min Scan# 511
Delta R.T. -0.018 min
Lab File: VY011017.D
Acq: 20 Oct 2022 12:12

Tgt Ion: 59 Resp: 1025
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#





#16

Acetone

Concen: 5.801 ug/l

RT: 3.954 min Scan# 31

Delta R.T. 0.012 min

Lab File: VY011017.D

Acq: 20 Oct 2022 12:12

Instrument :

MSVOA_Y

ClientSampleId :

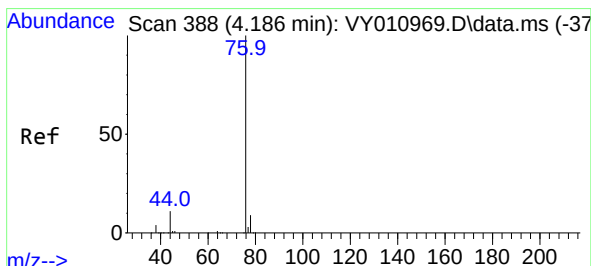
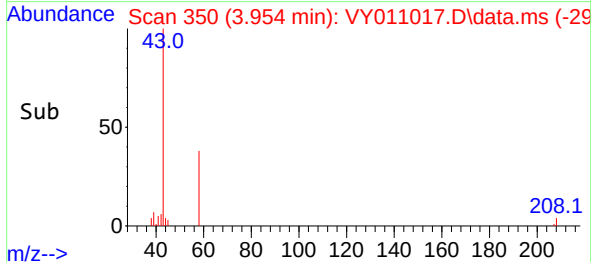
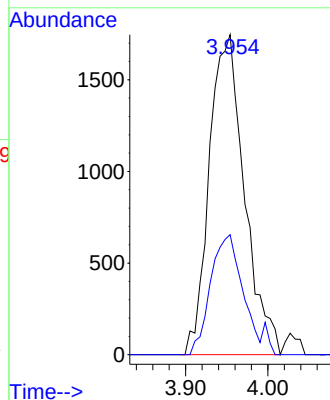
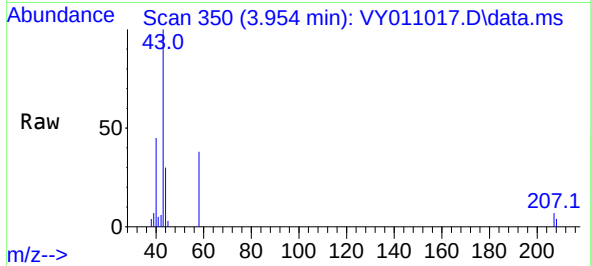
LSP-SS-03-01-03-D

Tgt Ion: 43 Resp: 5183

Ion Ratio Lower Upper

43 100

58 37.5 22.0 33.0#



#17

Carbon Disulfide

Concen: 1.318 ug/l

RT: 4.198 min Scan# 390

Delta R.T. 0.012 min

Lab File: VY011017.D

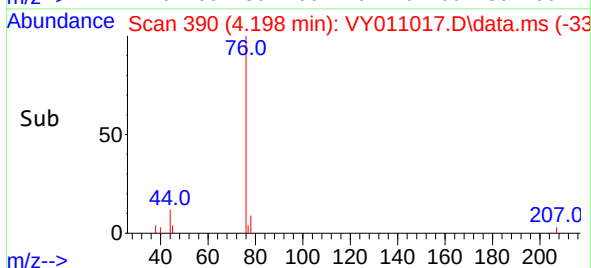
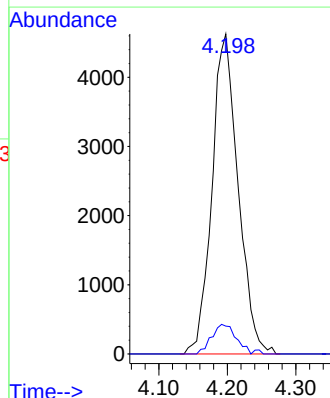
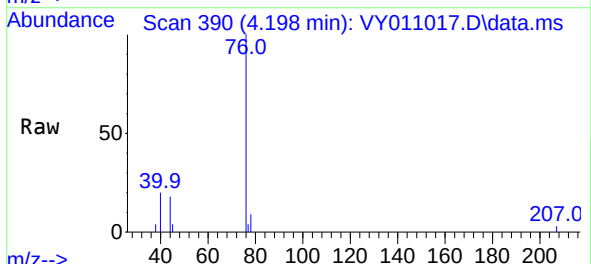
Acq: 20 Oct 2022 12:12

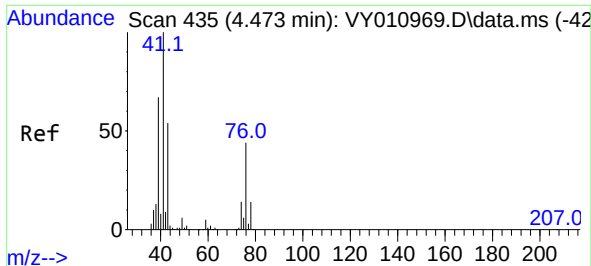
Tgt Ion: 76 Resp: 12242

Ion Ratio Lower Upper

76 100

78 8.7 7.4 11.0

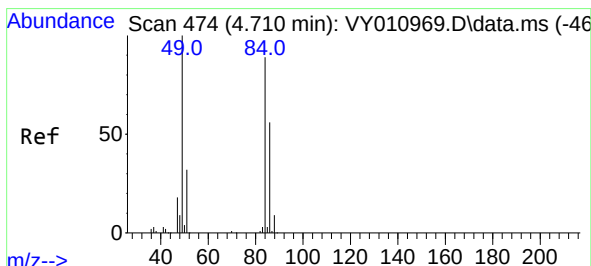
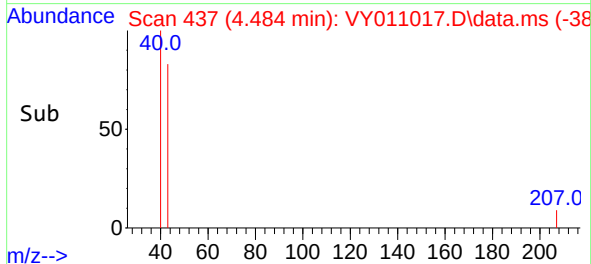
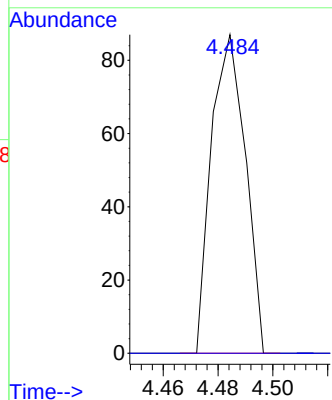
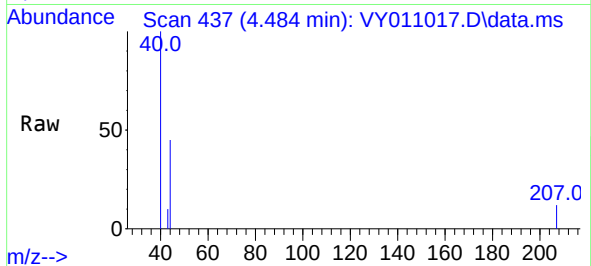




#18
Methyl Acetate
Concen: Below Cal
RT: 4.484 min Scan# 41
Delta R.T. 0.011 min
Lab File: VY011017.D
Acq: 20 Oct 2022 12:12

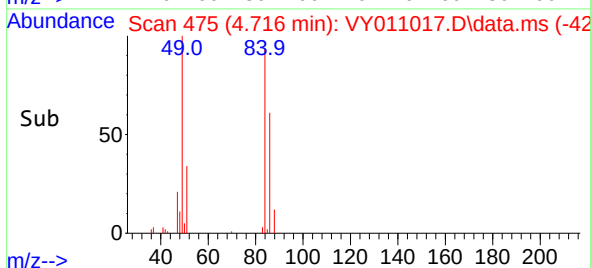
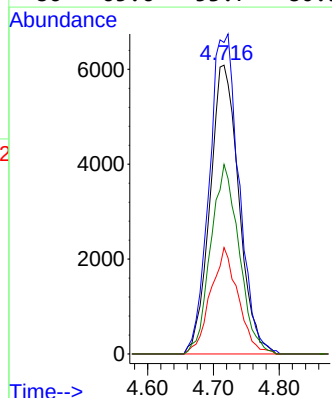
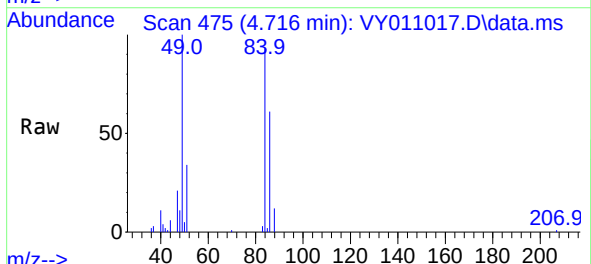
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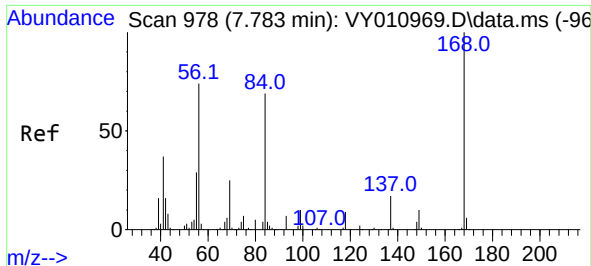
Tgt Ion: 43 Resp: 75
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY011017.D
Acq: 20 Oct 2022 12:12

Tgt Ion: 84 Resp: 18584
Ion Ratio Lower Upper
84 100
49 107.9 114.4 171.6#
51 36.8 35.3 52.9
86 65.6 53.7 80.5

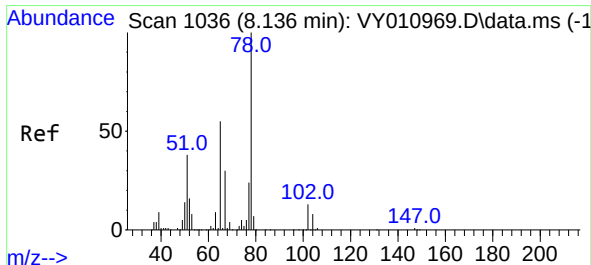
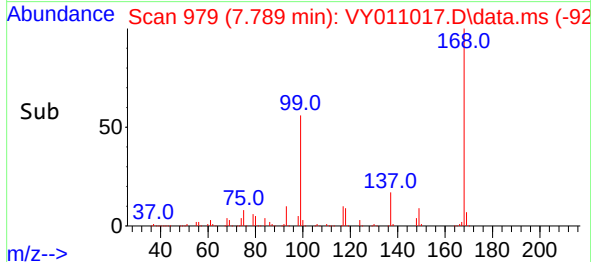
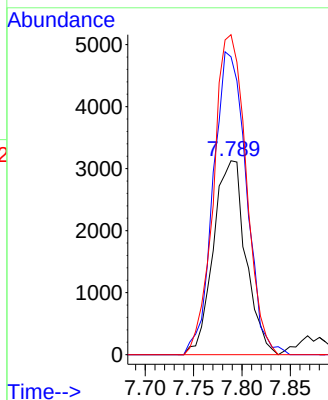
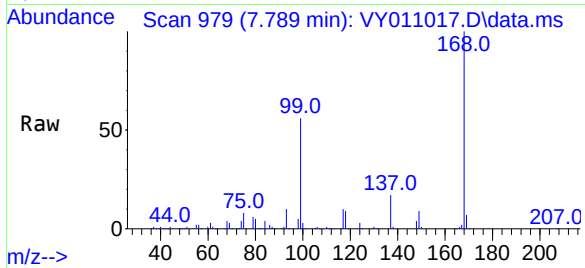




#31
Cyclohexane
Concen: 1.238 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY011017.D
Acq: 20 Oct 2022 12:12

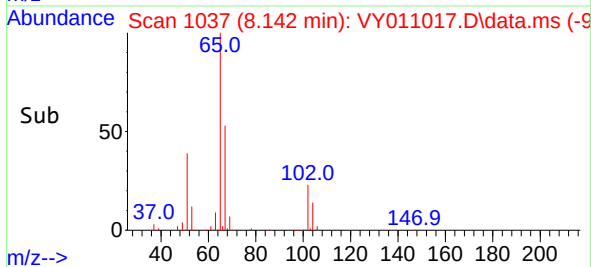
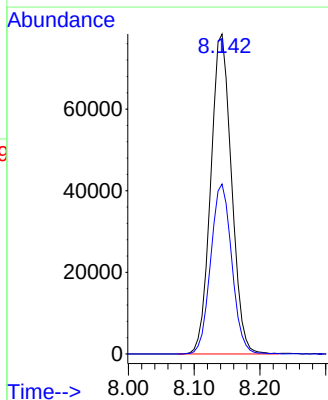
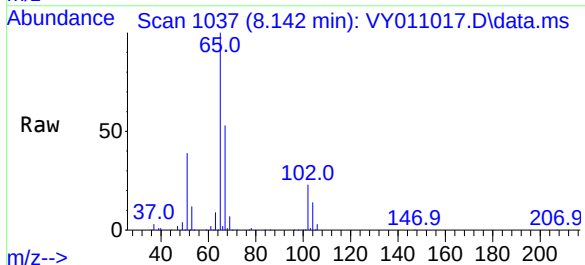
Instrument :
MSVOA_Y
ClientSampleId :
LSP-SS-03-01-03-D

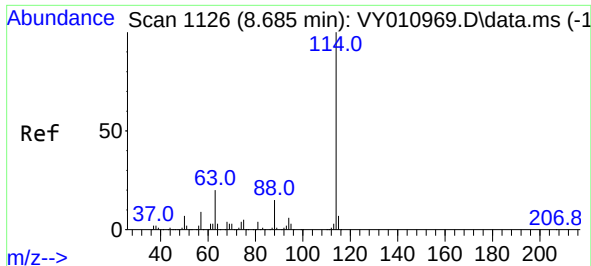
Tgt Ion: 56 Resp: 7287
Ion Ratio Lower Upper
56 100
69 153.6 26.7 40.1#
84 165.0 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 56.050 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY011017.D
Acq: 20 Oct 2022 12:12

Tgt Ion: 65 Resp: 172444
Ion Ratio Lower Upper
65 100
67 53.9 0.0 99.4

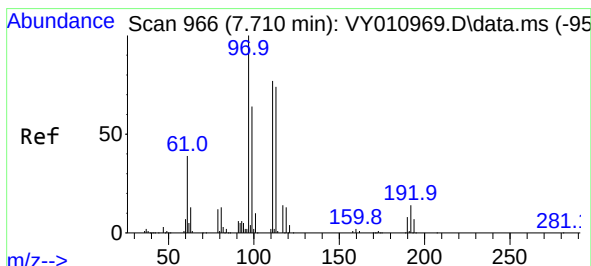
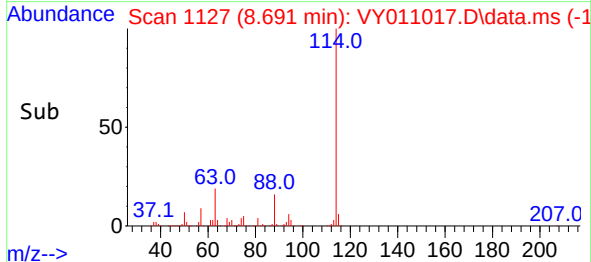
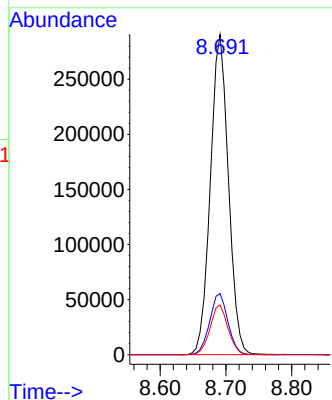
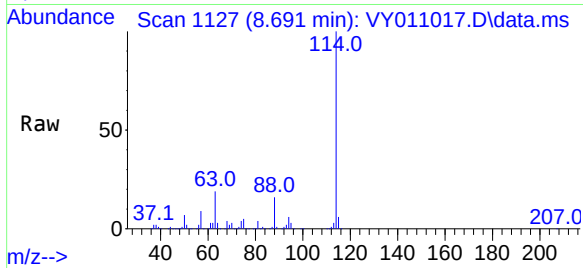




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VY011017.D
Acq: 20 Oct 2022 12:12

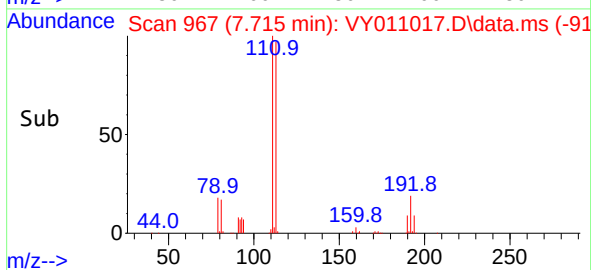
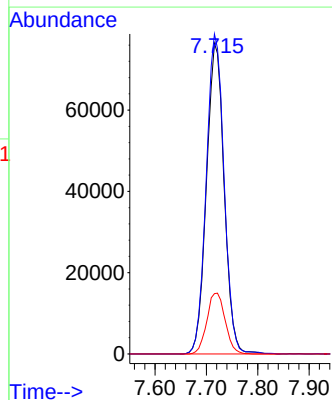
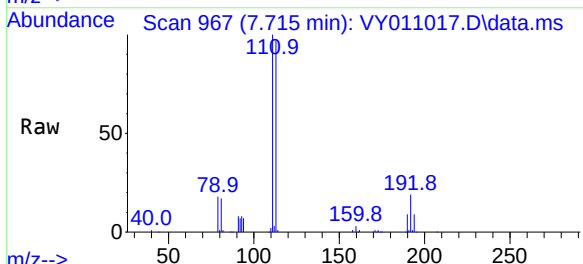
Instrument :
MSVOA_Y
ClientSampleId :
LSP-SS-03-01-03-D

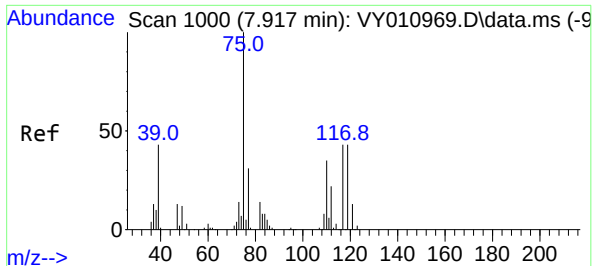
Tgt Ion:114 Resp: 554661
Ion Ratio Lower Upper
114 100
63 19.1 0.0 43.2
88 15.6 0.0 31.8



#35
Dibromofluoromethane
Concen: 59.352 ug/l
RT: 7.715 min Scan# 967
Delta R.T. 0.005 min
Lab File: VY011017.D
Acq: 20 Oct 2022 12:12

Tgt Ion:113 Resp: 182259
Ion Ratio Lower Upper
113 100
111 104.0 82.6 124.0
192 20.3 17.6 26.4

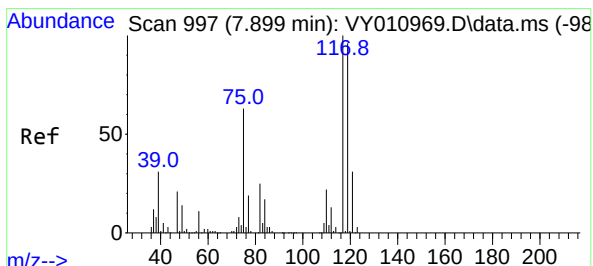
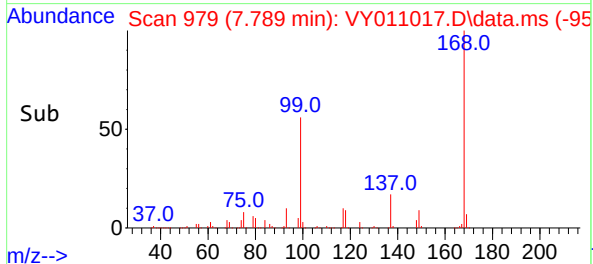
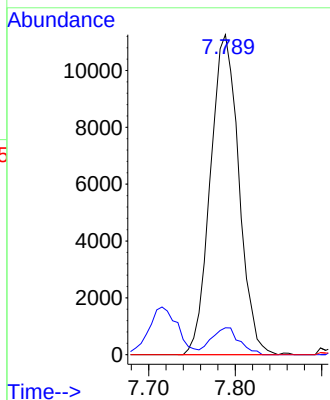
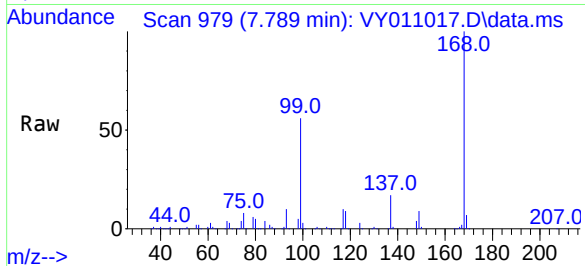




#36
1,1-Dichloropropene
Concen: 4.980 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY011017.D
Acq: 20 Oct 2022 12:12

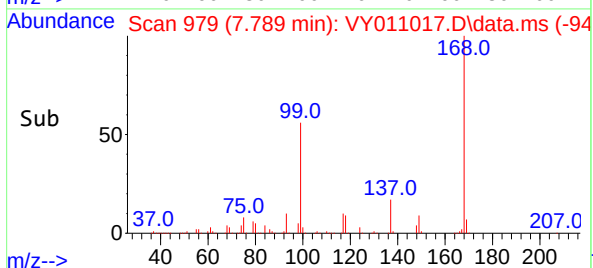
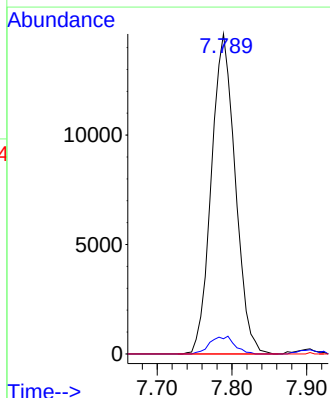
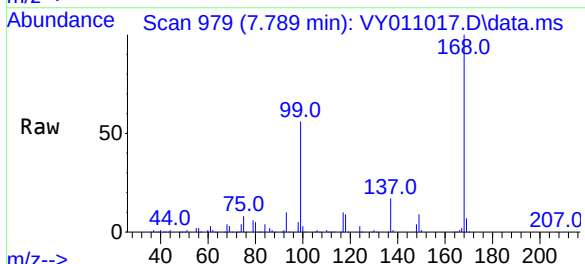
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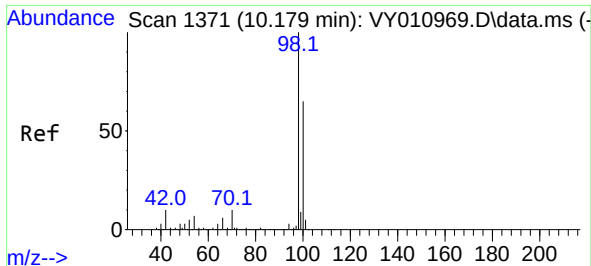
Tgt Ion: 75 Resp: 25716
Ion Ratio Lower Upper
75 100
110 8.2 17.1 51.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 6.109 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.110 min
Lab File: VY011017.D
Acq: 20 Oct 2022 12:12

Tgt Ion: 117 Resp: 32562
Ion Ratio Lower Upper
117 100
119 4.7 77.9 116.9#
121 0.0 24.8 37.2#

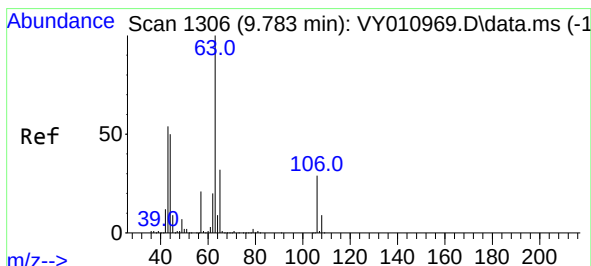
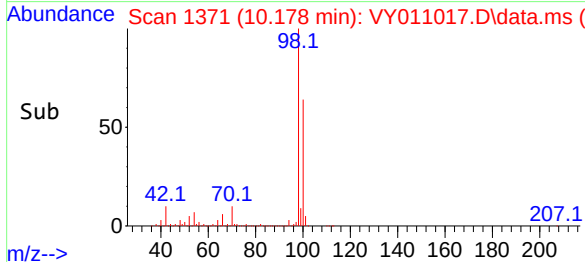
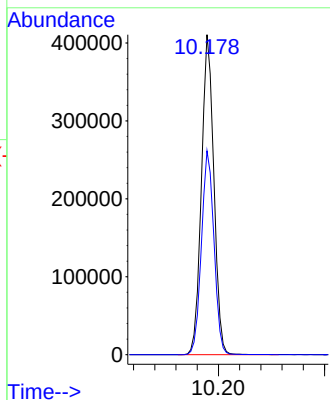
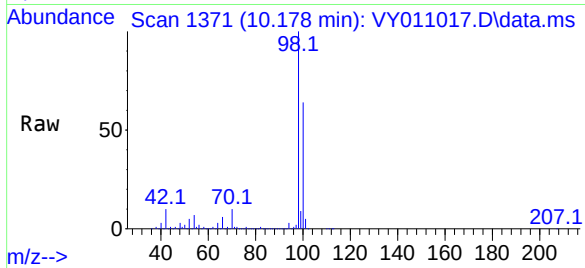




#50
Toluene-d8
Concen: 57.603 ug/l
RT: 10.178 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY011017.D
Acq: 20 Oct 2022 12:12

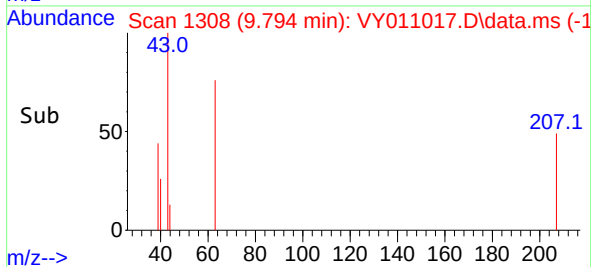
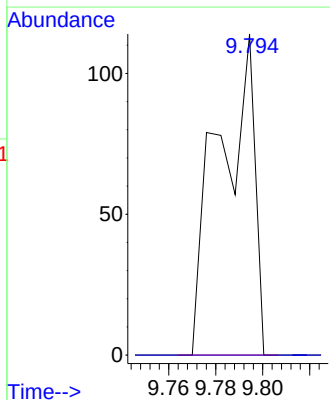
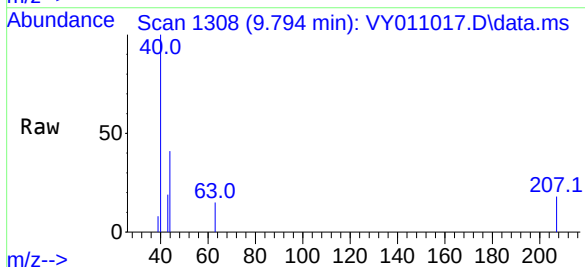
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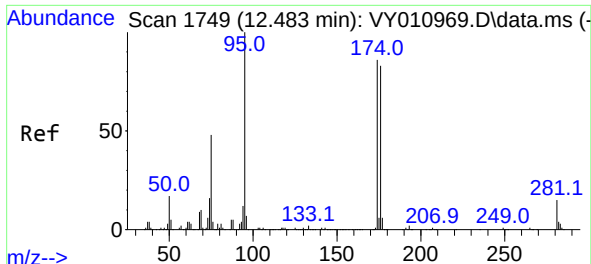
Tgt Ion: 98 Resp: 667121
Ion Ratio Lower Upper
98 100
100 64.5 50.2 75.2



#58
2-Chloroethyl Vinyl ether
Concen: 17.015 ug/l
RT: 9.794 min Scan# 1308
Delta R.T. 0.011 min
Lab File: VY011017.D
Acq: 20 Oct 2022 12:12

Tgt Ion: 63 Resp: 120
Ion Ratio Lower Upper
63 100
106 0.0 21.5 32.3#

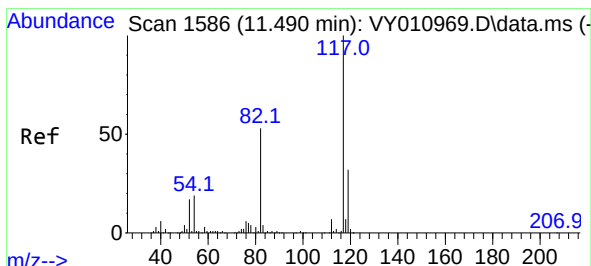
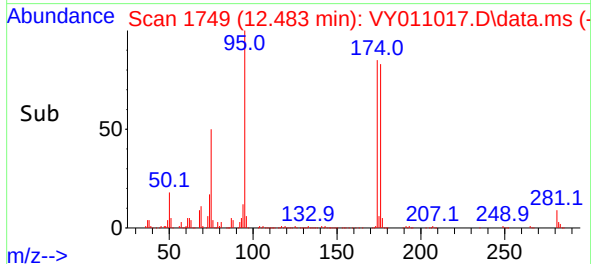
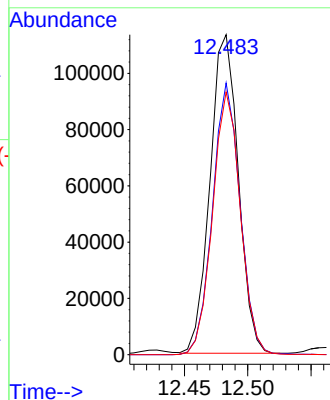
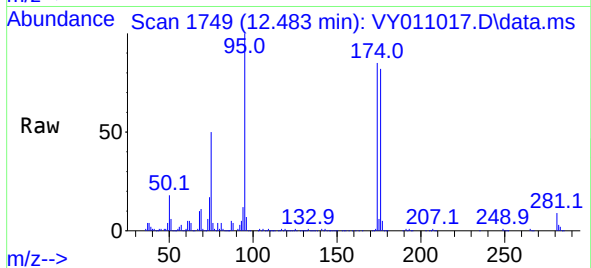




#62
4-Bromofluorobenzene
Concen: 42.494 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY011017.D
Acq: 20 Oct 2022 12:12

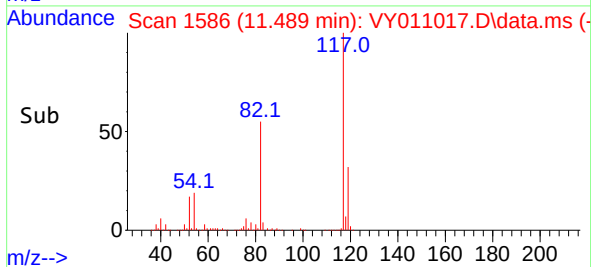
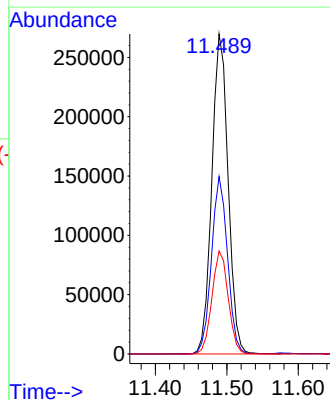
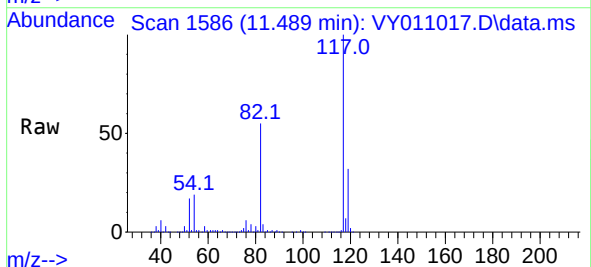
Instrument :
MSVOA_Y
ClientSampleId :
LSP-SS-03-01-03-D

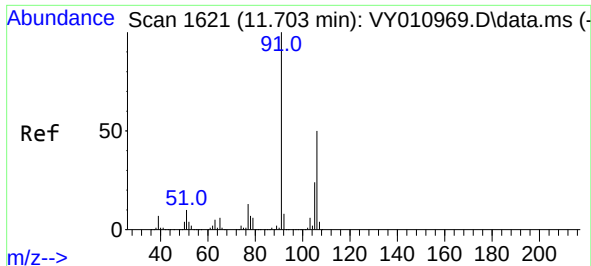
Tgt Ion: 95 Resp: 176220
Ion Ratio Lower Upper
95 100
174 82.9 0.0 177.0
176 80.9 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY011017.D
Acq: 20 Oct 2022 12:12

Tgt Ion: 117 Resp: 426337
Ion Ratio Lower Upper
117 100
82 55.4 43.0 64.4
119 32.2 25.4 38.0

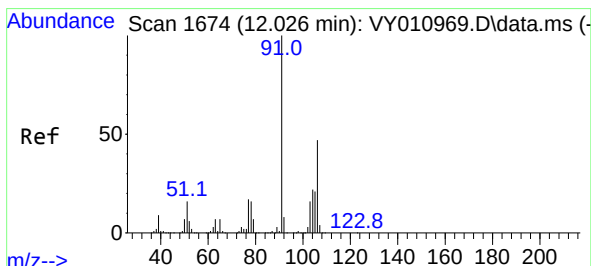
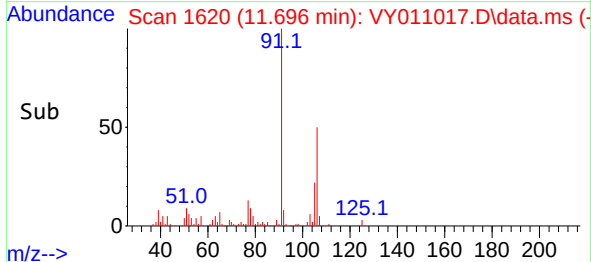
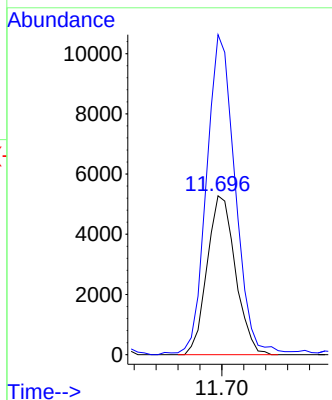
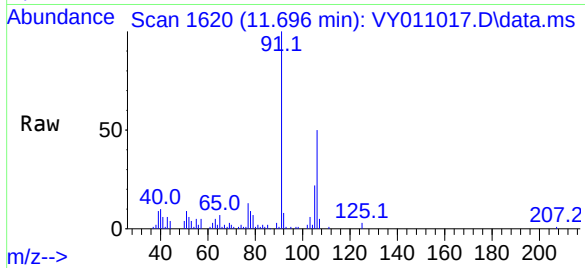




#68
m/p-Xylenes
Concen: 1.586 ug/l
RT: 11.696 min Scan# 1620
Delta R.T. -0.007 min
Lab File: VY011017.D
Acq: 20 Oct 2022 12:12

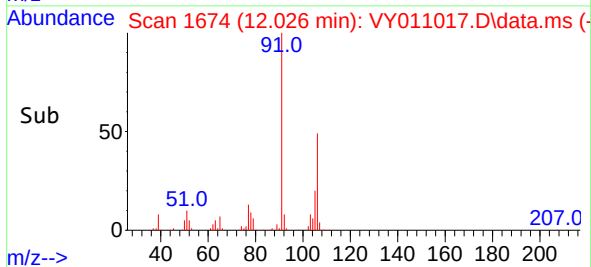
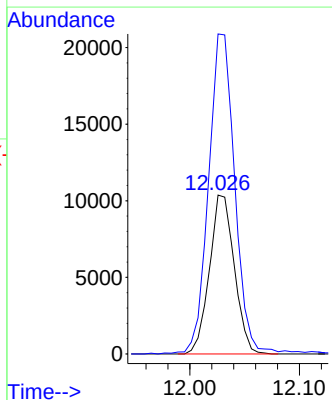
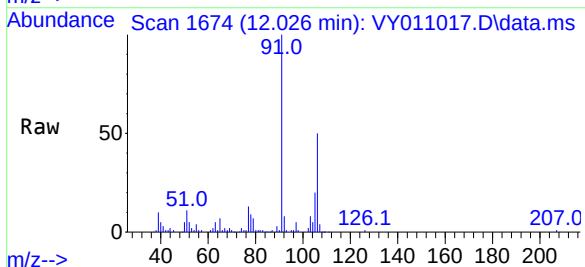
Instrument :
MSVOA_Y
ClientSampleId :
LSP-SS-03-01-03-D

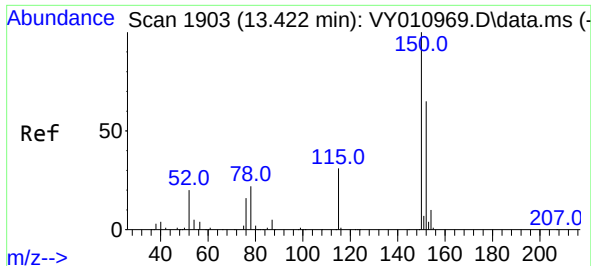
Tgt Ion:106 Resp: 9445
Ion Ratio Lower Upper
106 100
91 204.2 166.6 249.8



#69
o-Xylene
Concen: 2.892 ug/l
RT: 12.026 min Scan# 1674
Delta R.T. -0.000 min
Lab File: VY011017.D
Acq: 20 Oct 2022 12:12

Tgt Ion:106 Resp: 16356
Ion Ratio Lower Upper
106 100
91 214.0 110.3 331.0

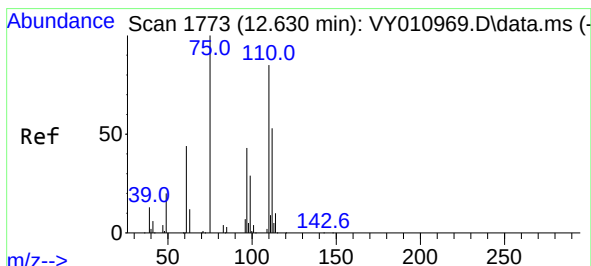
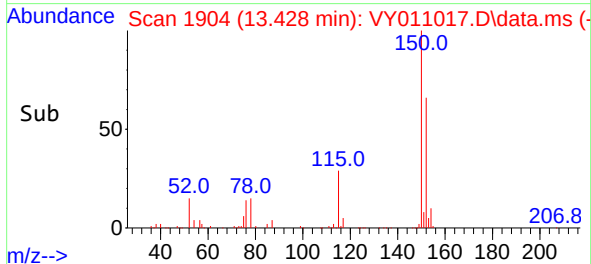
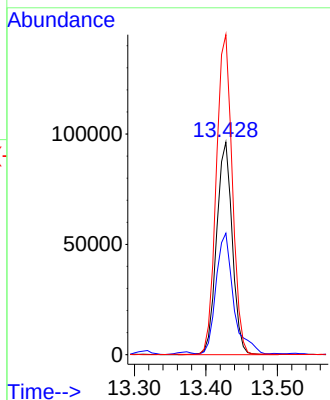
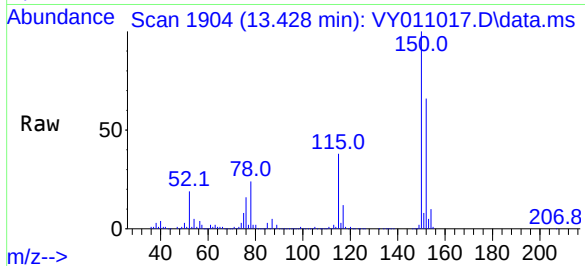




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1749
 Delta R.T. 0.006 min
 Lab File: VY011017.D
 Acq: 20 Oct 2022 12:12

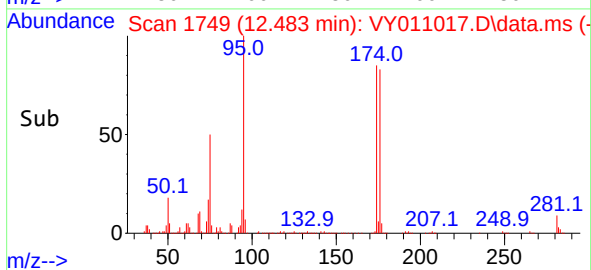
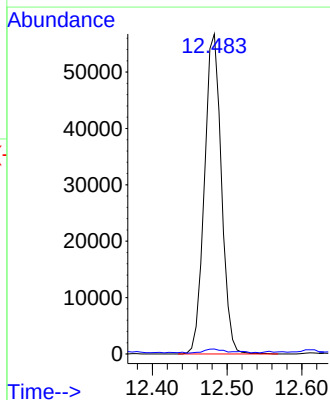
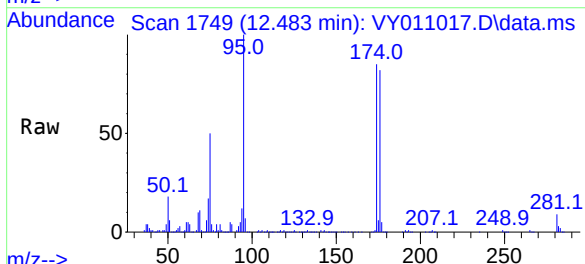
Instrument :
 MSVOA_Y
 ClientSampleId :
 LSP-SS-03-01-03-D

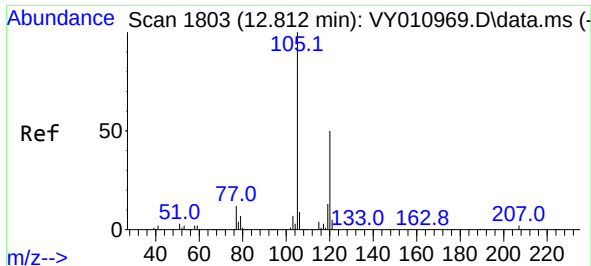
Tgt Ion:152 Resp: 146766
 Ion Ratio Lower Upper
 152 100
 115 63.1 28.2 84.7
 150 153.7 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 53.555 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.147 min
 Lab File: VY011017.D
 Acq: 20 Oct 2022 12:12

Tgt Ion: 75 Resp: 89236
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0

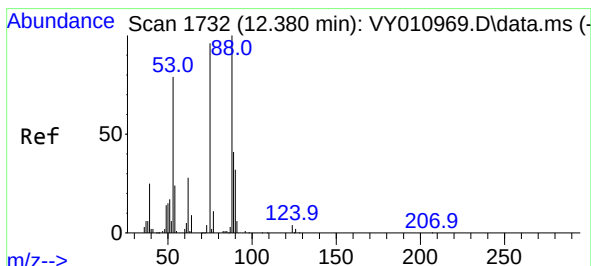
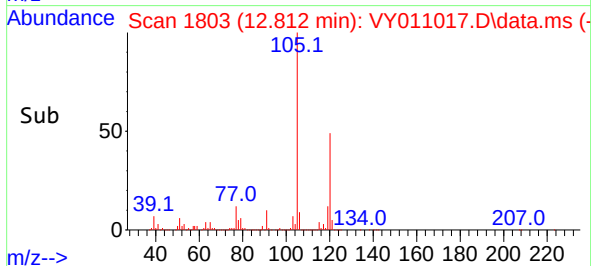
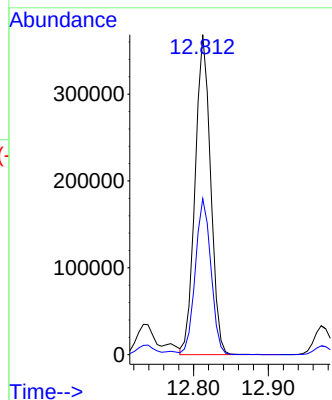
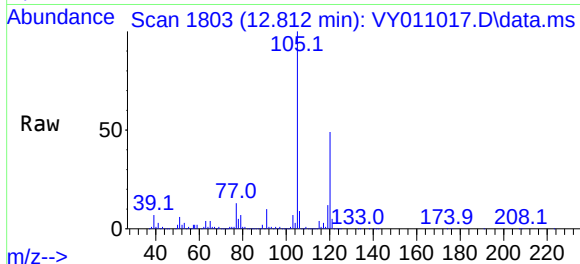




#80
1,3,5-Trimethylbenzene
Concen: 59.430 ug/l
RT: 12.812 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY011017.D
Acq: 20 Oct 2022 12:12

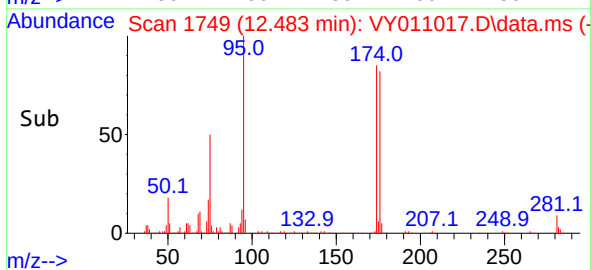
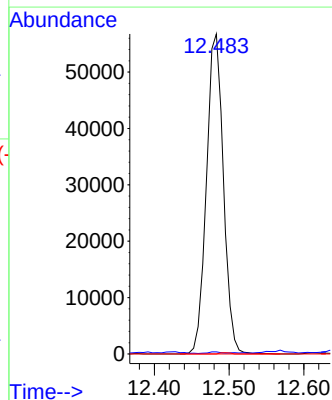
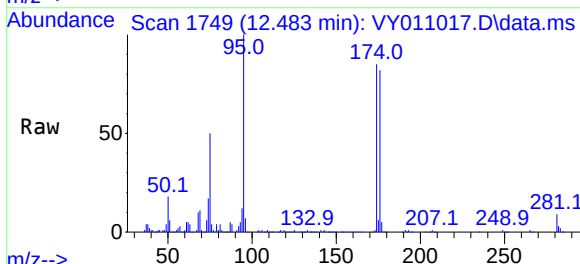
Instrument :
MSVOA_Y
ClientSampleId :
LSP-SS-03-01-03-D

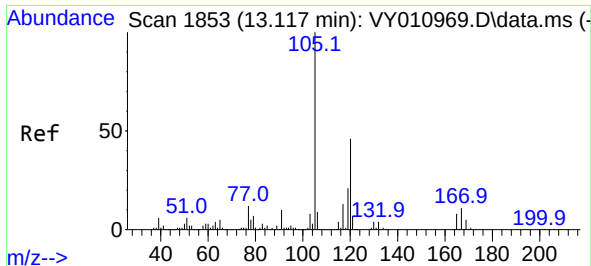
Tgt Ion:105 Resp: 528733
Ion Ratio Lower Upper
105 100
120 49.2 24.4 73.4



#81
trans-1,4-Dichloro-2-butene
Concen: 115.181 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY011017.D
Acq: 20 Oct 2022 12:12

Tgt Ion: 75 Resp: 89236
Ion Ratio Lower Upper
75 100
53 0.4 85.3 127.9#
89 0.3 37.0 55.4#

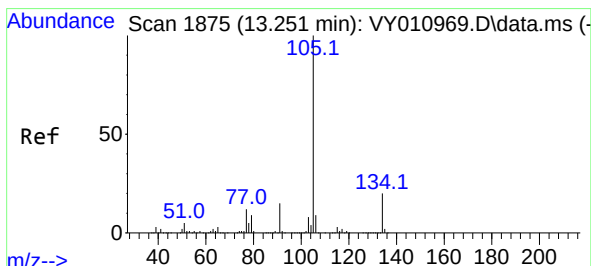
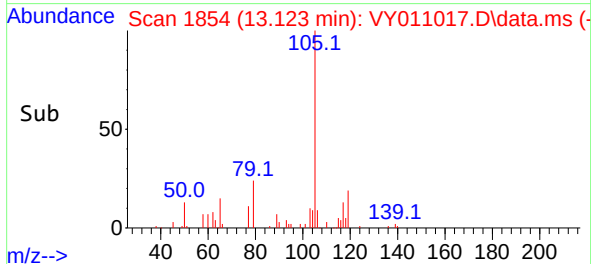
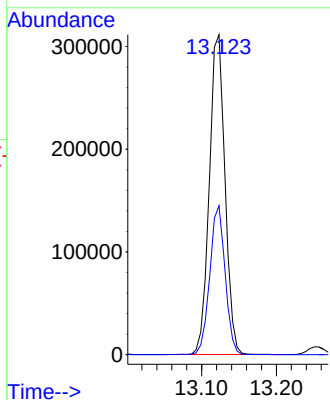
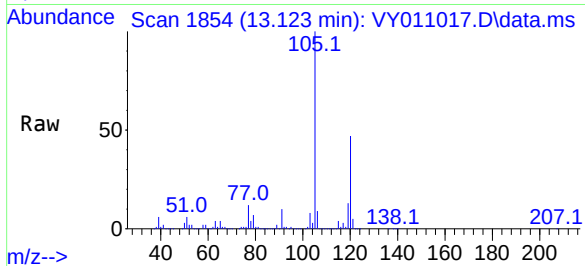




#84
1,2,4-Trimethylbenzene
Concen: 51.912 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VY011017.D
Acq: 20 Oct 2022 12:12

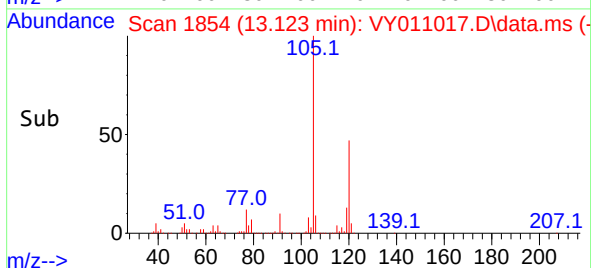
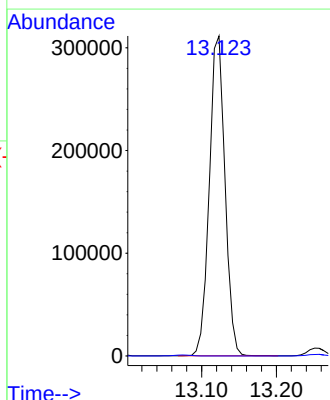
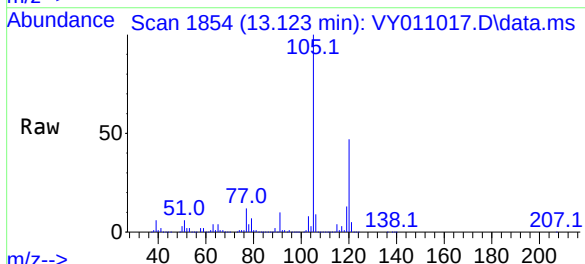
Instrument :
MSVOA_Y
ClientSampleId :
LSP-SS-03-01-03-D

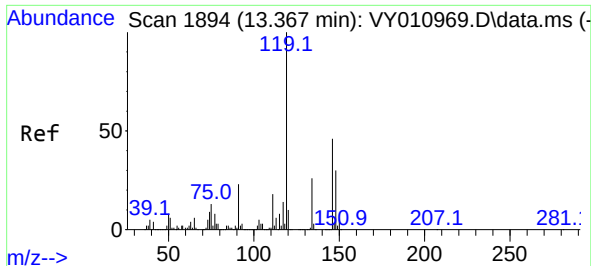
Tgt Ion:105 Resp: 455420
Ion Ratio Lower Upper
105 100
120 45.7 22.3 66.9



#85
sec-Butylbenzene
Concen: 39.394 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. -0.128 min
Lab File: VY011017.D
Acq: 20 Oct 2022 12:12

Tgt Ion:105 Resp: 455420
Ion Ratio Lower Upper
105 100
134 0.0 10.2 30.4#

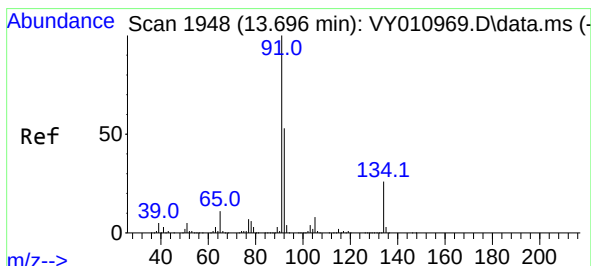
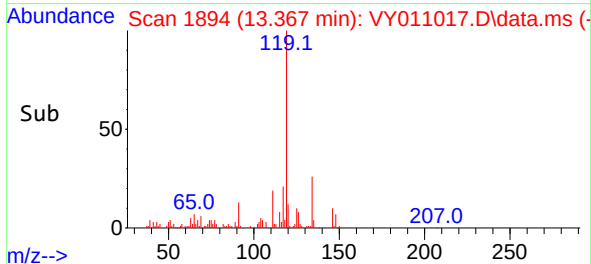
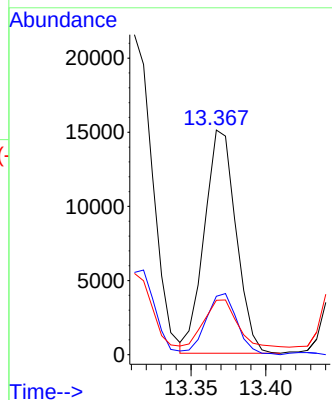
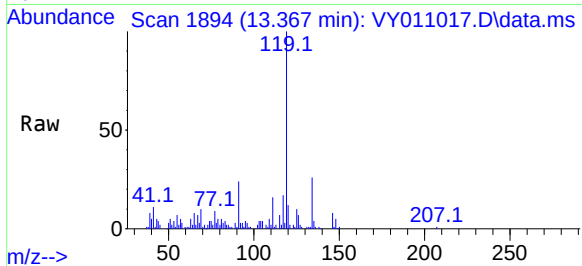




#86
p-Isopropyltoluene
Concen: 2.315 ug/l
RT: 13.367 min Scan# 1191
Delta R.T. -0.000 min
Lab File: VY011017.D
Acq: 20 Oct 2022 12:12

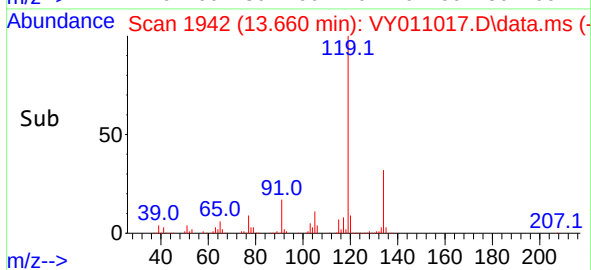
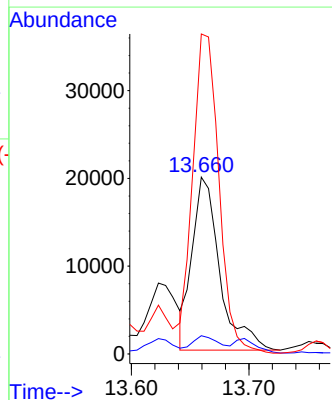
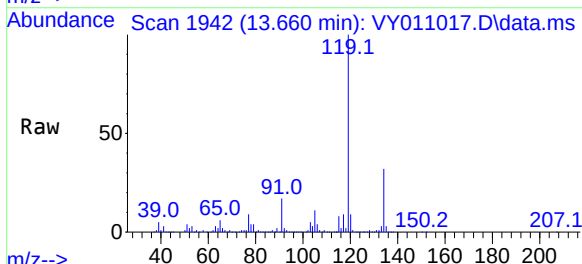
Instrument :
MSVOA_Y
ClientSampleId :
LSP-SS-03-01-03-D

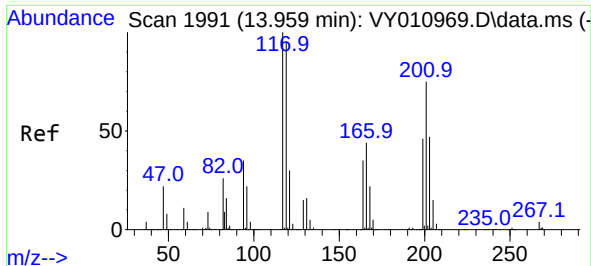
Tgt Ion:	119	Resp:	22206
Ion	Ratio	Lower	Upper
119	100		
134	26.9	13.2	39.5
91	21.7	12.4	37.2



#89
n-Butylbenzene
Concen: 3.615 ug/l
RT: 13.660 min Scan# 1942
Delta R.T. -0.036 min
Lab File: VY011017.D
Acq: 20 Oct 2022 12:12

Tgt Ion:	91	Resp:	32401
Ion	Ratio	Lower	Upper
91	100		
92	6.9	26.3	78.9#
134	177.4	13.0	38.9#

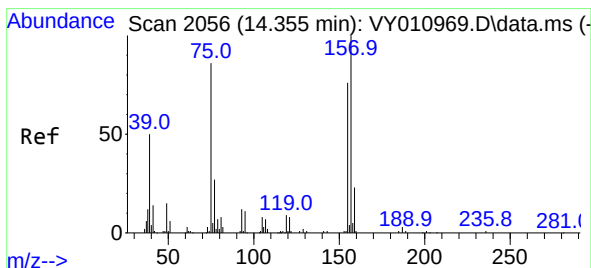
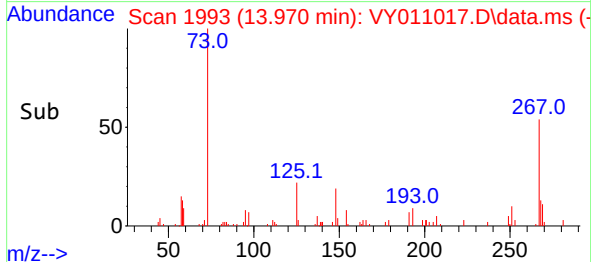
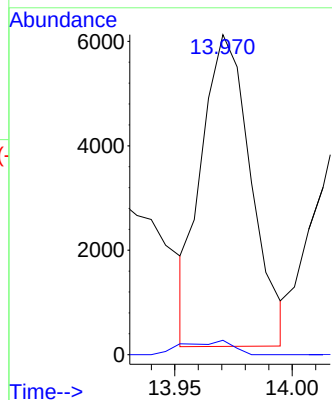
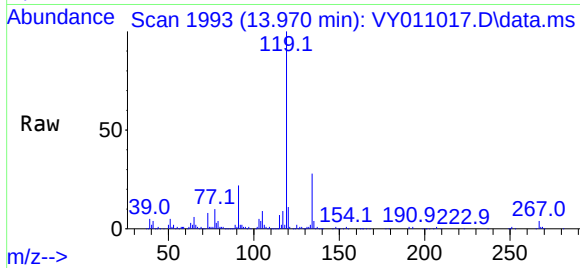




#90
Hexachloroethane
Concen: 4.624 ug/l
RT: 13.970 min Scan# 1993
Delta R.T. 0.011 min
Lab File: VY011017.D
Acq: 20 Oct 2022 12:12

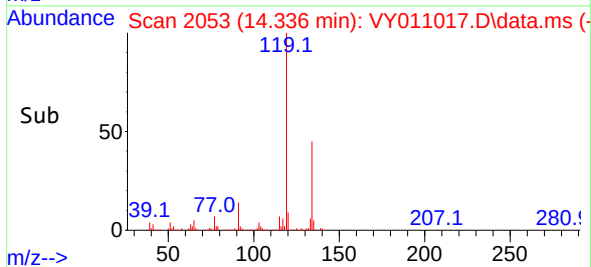
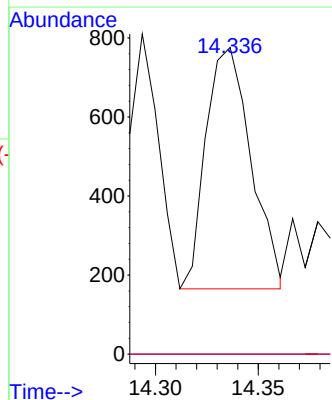
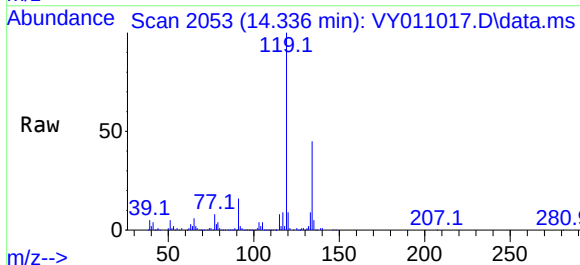
Instrument :
MSVOA_Y
ClientSampleId :
LSP-SS-03-01-03-D

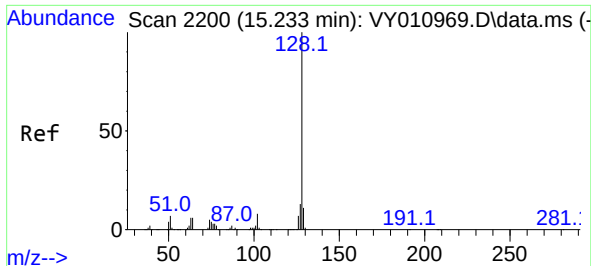
Tgt Ion:117 Resp: 8751
Ion Ratio Lower Upper
117 100
201 4.5 43.0 128.8#



#92
1,2-Dibromo-3-Chloropropane
Concen: 2.522 ug/l
RT: 14.336 min Scan# 2053
Delta R.T. -0.019 min
Lab File: VY011017.D
Acq: 20 Oct 2022 12:12

Tgt Ion: 75 Resp: 933
Ion Ratio Lower Upper
75 100
155 0.0 38.0 113.9#
157 0.0 47.8 143.3#





#95

Naphthalene

Concen: 170.456 ug/l

RT: 15.239 min Scan# 21

Delta R.T. 0.006 min

Lab File: VY011017.D

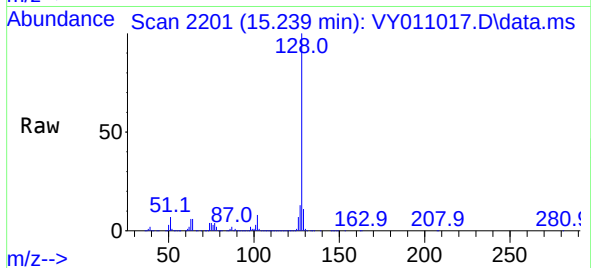
Acq: 20 Oct 2022 12:12

Instrument :

MSVOA_Y

ClientSampleId :

LSP-SS-03-01-03-D



Tgt Ion:128 Resp: 923334

Ion Ratio Lower Upper

128 100

127 12.7 11.0 16.4

129 10.9 8.4 12.6

