

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102022\
 Data File : VY011031.D
 Acq On : 20 Oct 2022 17:29
 Operator : KP/MD
 Sample : N5193-14
 Misc : 5.80g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

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

Quant Time: Oct 20 22:25:10 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	51159	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	80699	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	71414	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	28231	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	28917	61.362	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 122.720%	
35) Dibromofluoromethane	7.716	113	28099	63.026	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 126.060%	
50) Toluene-d8	10.179	98	97660	57.959	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 115.920%	
62) 4-Bromofluorobenzene	12.483	95	31158	52.346	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 104.700%	

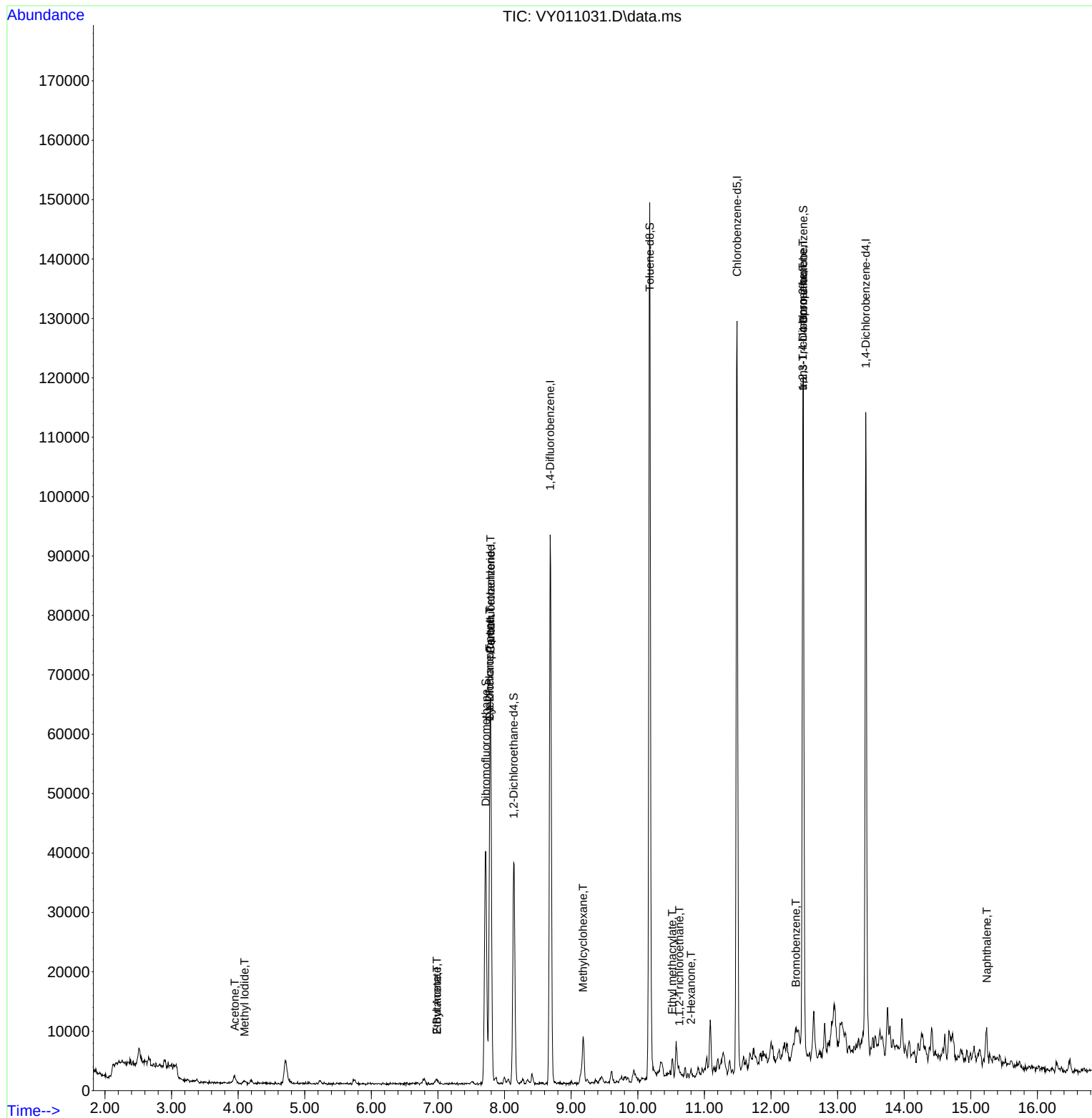
Target Compounds			Qvalue			
10) Methyl Iodide	4.095	142	657	1.060	ug/l #	72
16) Acetone	3.948	43	2250	16.441	ug/l	94
18) Methyl Acetate	4.485	43	82	Below Cal	#	56
20) Methylene Chloride	4.716	84	2905	Below Cal	#	77
25) 2-Butanone	6.984	43	462	2.226	ug/l #	54
31) Cyclohexane	7.777	56	1996	2.213	ug/l #	52
36) 1,1-Dichloropropene	7.777	75	3742	4.981	ug/l #	49
37) Ethyl Acetate	6.984	43	462	1.111	ug/l #	72
38) Carbon Tetrachloride	7.789	117	4853	6.258	ug/l #	17
39) Methylcyclohexane	9.179	83	3342	3.714	ug/l	89
55) 1,1,2-Trichloroethane	10.624	97	792	1.760	ug/l #	15
56) Ethyl methacrylate	10.514	69	604	1.011	ug/l #	82
59) 2-Hexanone	10.801	43	737	2.589	ug/l #	28
76) 1,2,3-Trichloropropane	12.477	75	15799	49.293	ug/l #	100
77) Bromobenzene	12.374	156	1675	3.494	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.477	75	15799	106.015	ug/l #	8
95) Naphthalene	15.239	128	5236	5.025	ug/l #	94

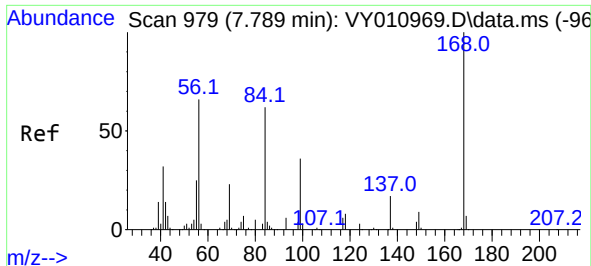
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102022\
Data File : VY011031.D
Acq On : 20 Oct 2022 17:29
Operator : KP/MD
Sample : N5193-14
Misc : 5.80g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 21 Sample Multiplier: 1

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

Quant Time: Oct 20 22:25:10 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

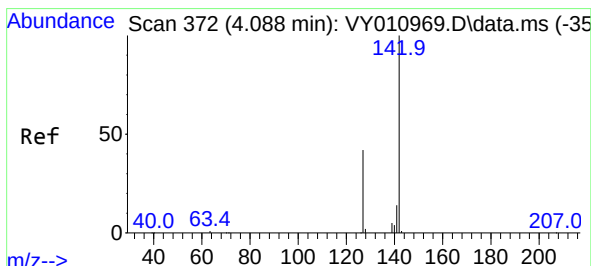
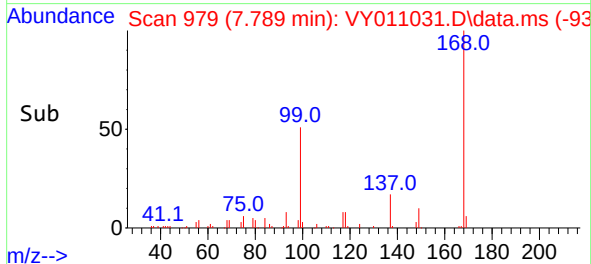
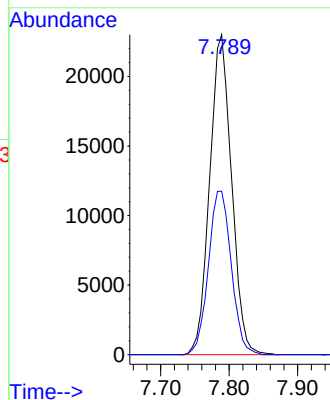
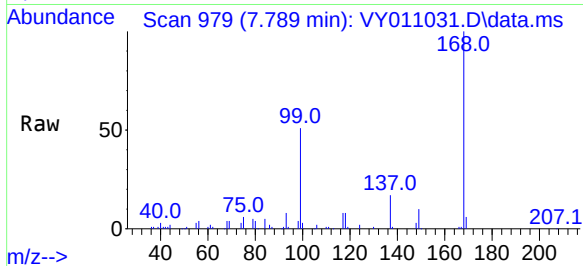




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY011031.D
Acq: 20 Oct 2022 17:29

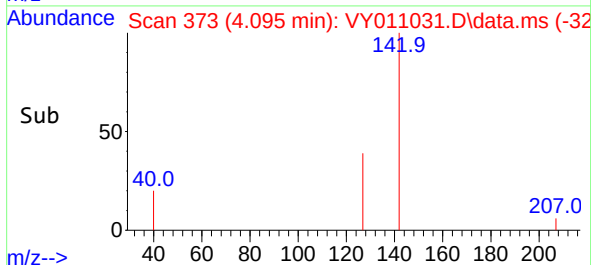
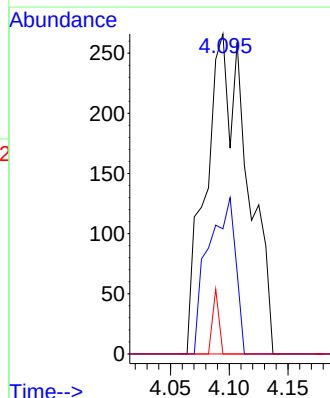
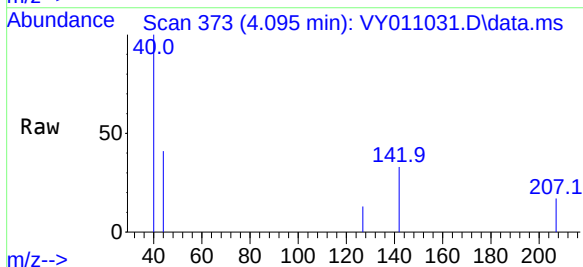
Instrument :
MSVOA_Y
ClientSampleId :
LSP-SS-07-20-40

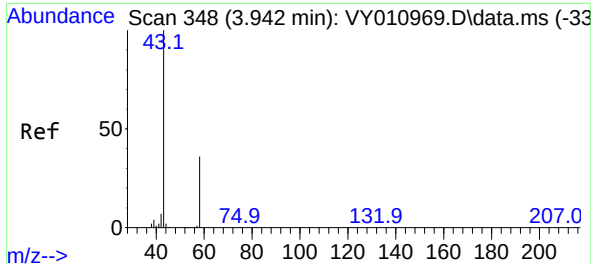
Tgt Ion:168 Resp: 51159
Ion Ratio Lower Upper
168 100
99 51.1 46.9 70.3



#10
Methyl Iodide
Concen: 1.060 ug/l
RT: 4.095 min Scan# 373
Delta R.T. 0.007 min
Lab File: VY011031.D
Acq: 20 Oct 2022 17:29

Tgt Ion:142 Resp: 657
Ion Ratio Lower Upper
142 100
127 32.1 41.5 62.3#
141 3.0 11.9 17.9#





#16

Acetone

Concen: 16.441 ug/l

RT: 3.948 min Scan# 34

Delta R.T. 0.006 min

Lab File: VY011031.D

Acq: 20 Oct 2022 17:29

Instrument :

MSVOA_Y

ClientSampleId :

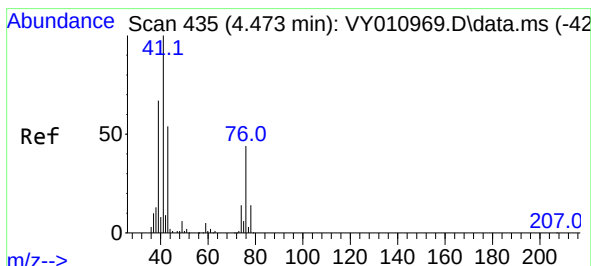
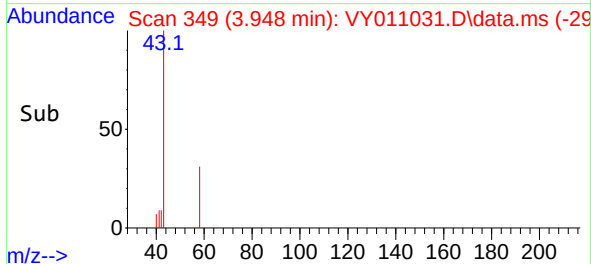
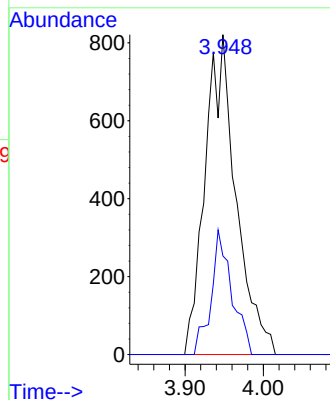
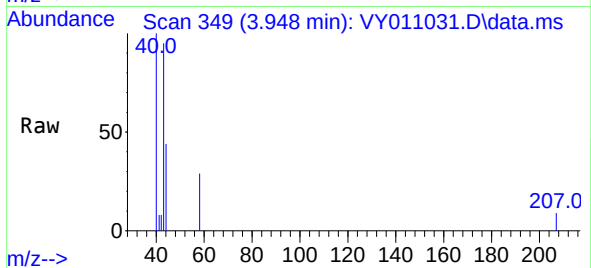
LSP-SS-07-20-40

Tgt Ion: 43 Resp: 2250

Ion Ratio Lower Upper

43 100

58 30.8 22.0 33.0



#18

Methyl Acetate

Concen: Below Cal

RT: 4.485 min Scan# 437

Delta R.T. 0.012 min

Lab File: VY011031.D

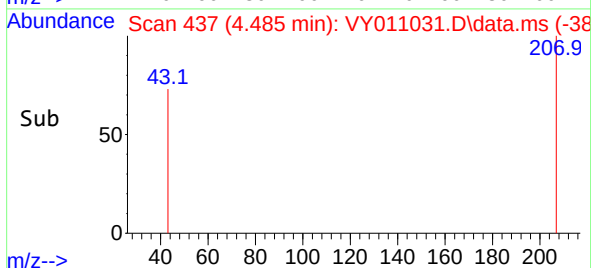
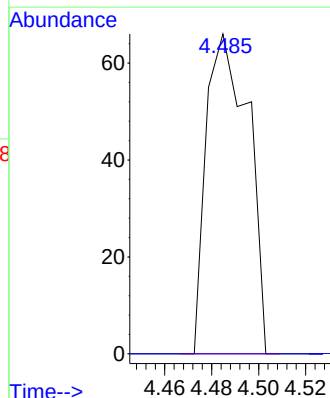
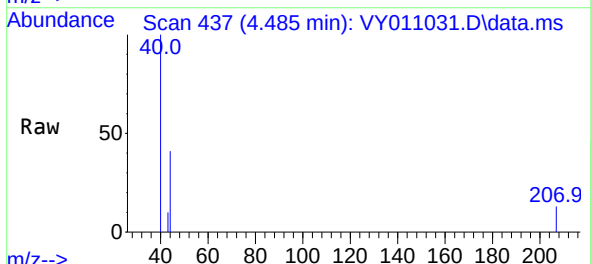
Acq: 20 Oct 2022 17:29

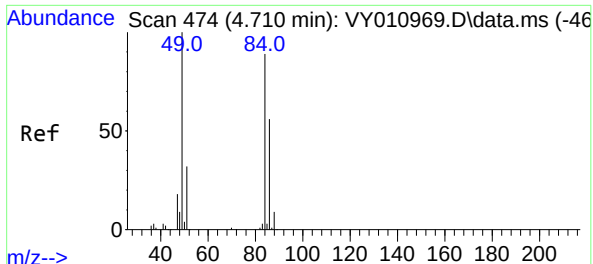
Tgt Ion: 43 Resp: 82

Ion Ratio Lower Upper

43 100

74 0.0 16.6 24.8#

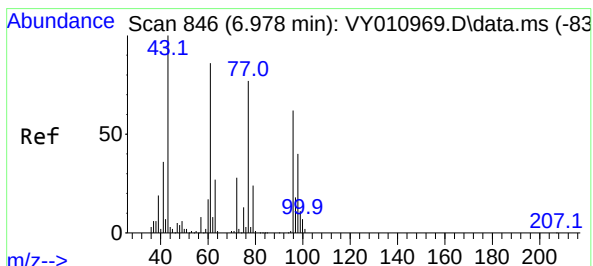
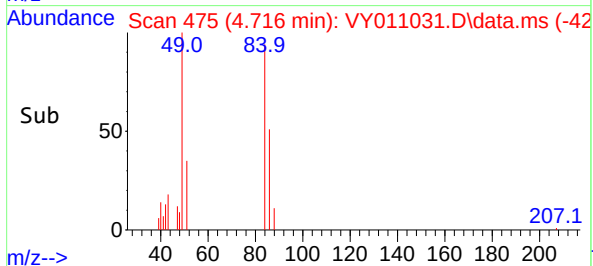
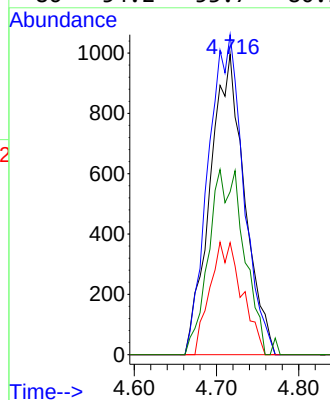
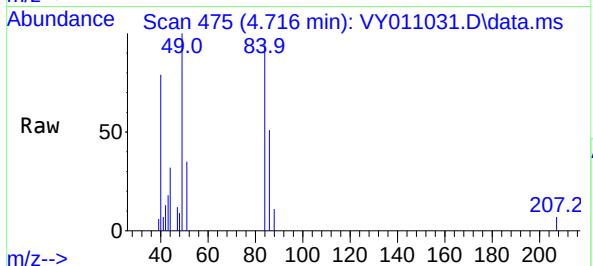




#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY011031.D
Acq: 20 Oct 2022 17:29

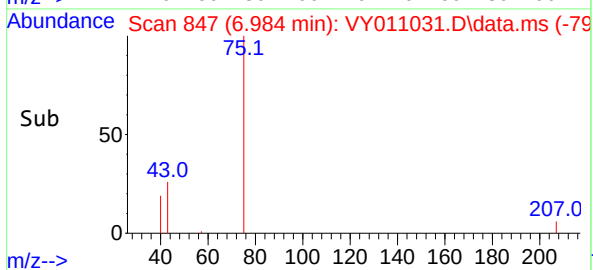
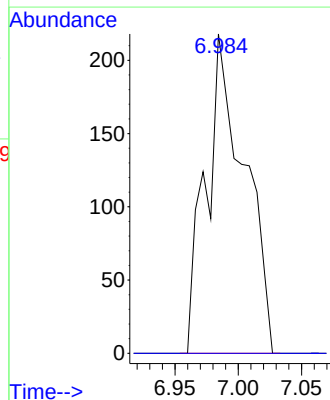
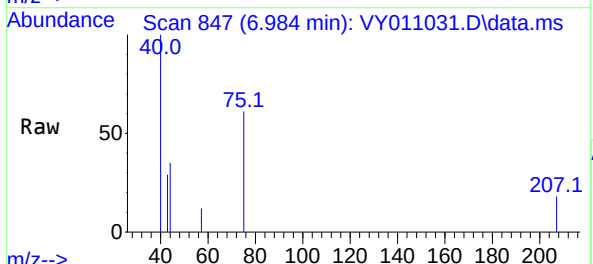
Instrument :
MSVOA_Y
ClientSampleId :
LSP-SS-07-20-40

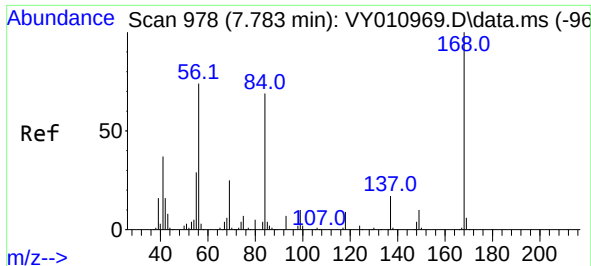
Tgt Ion: 84 Resp: 2905
Ion Ratio Lower Upper
84 100
49 106.5 114.4 171.6#
51 37.2 35.3 52.9
86 54.2 53.7 80.5



#25
2-Butanone
Concen: 2.226 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.006 min
Lab File: VY011031.D
Acq: 20 Oct 2022 17:29

Tgt Ion: 43 Resp: 462
Ion Ratio Lower Upper
43 100
72 0.0 17.7 26.5#

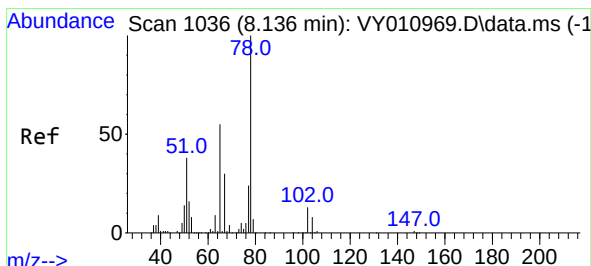
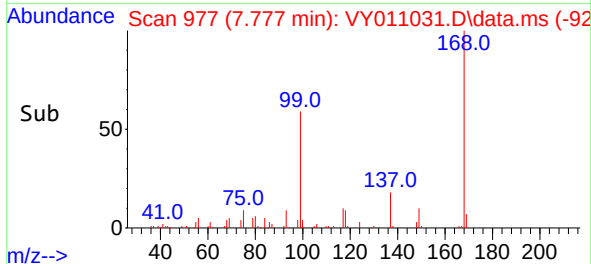
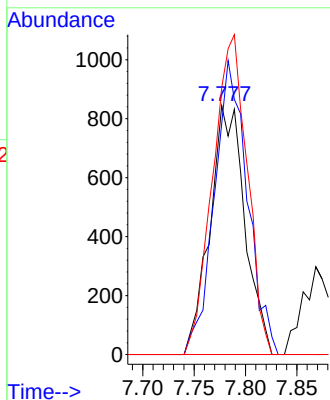
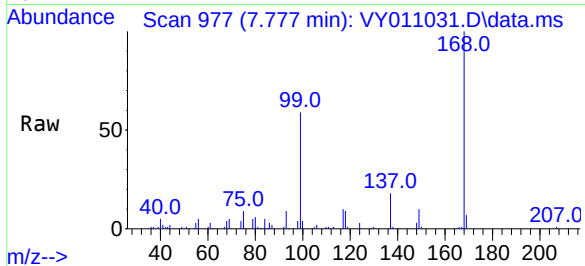




#31
Cyclohexane
Concen: 2.213 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY011031.D
Acq: 20 Oct 2022 17:29

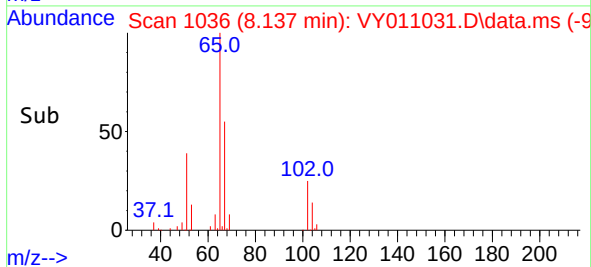
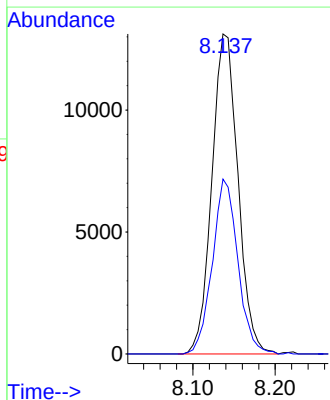
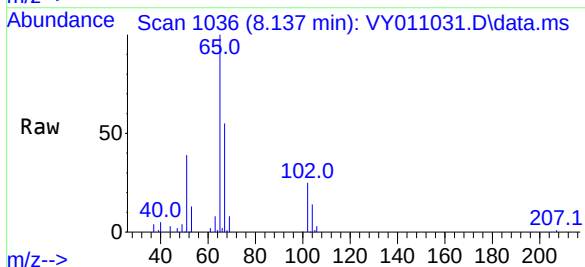
Instrument :
MSVOA_Y
ClientSampleId :
LSP-SS-07-20-40

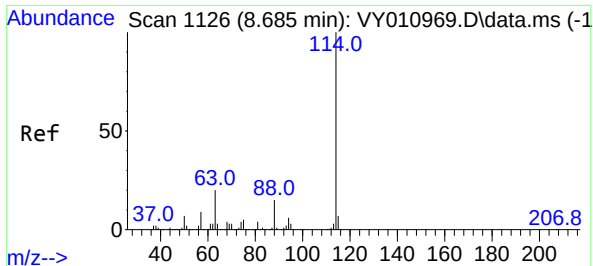
Tgt Ion: 56 Resp: 1996
Ion Ratio Lower Upper
56 100
69 92.9 26.7 40.1#
84 107.3 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 61.362 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. 0.001 min
Lab File: VY011031.D
Acq: 20 Oct 2022 17:29

Tgt Ion: 65 Resp: 28917
Ion Ratio Lower Upper
65 100
67 53.5 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: VY011031.D

Acq: 20 Oct 2022 17:29

Instrument :

MSVOA_Y

ClientSampleId :

LSP-SS-07-20-40

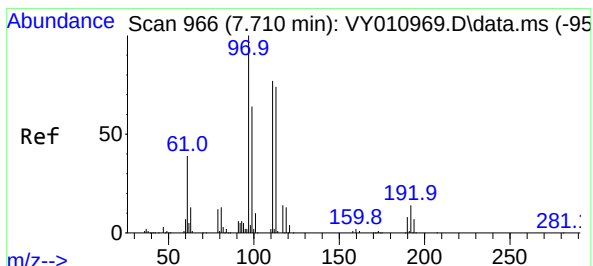
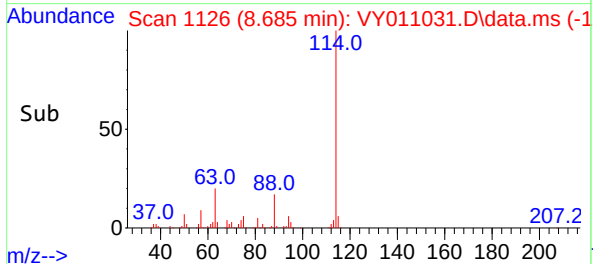
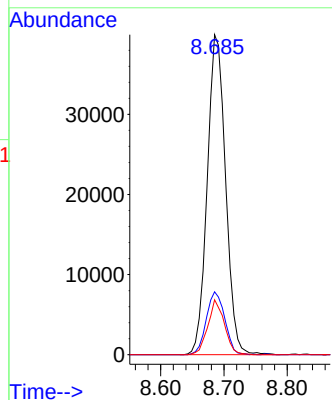
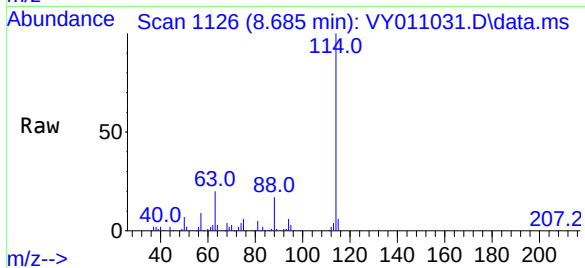
Tgt Ion:114 Resp: 80699

Ion Ratio Lower Upper

114 100

63 19.6 0.0 43.2

88 17.2 0.0 31.8



#35

Dibromofluoromethane

Concen: 63.026 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.006 min

Lab File: VY011031.D

Acq: 20 Oct 2022 17:29

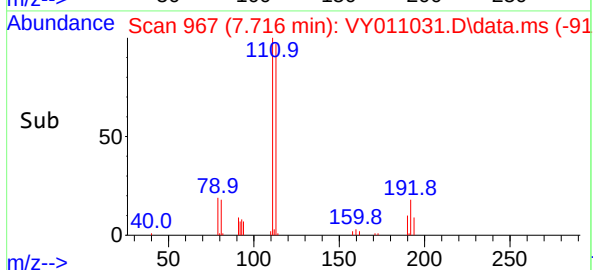
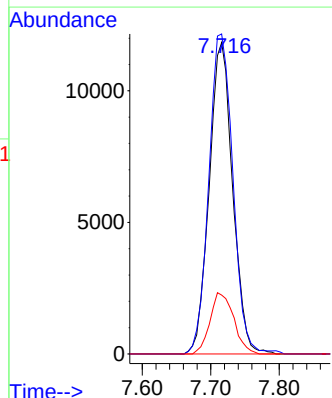
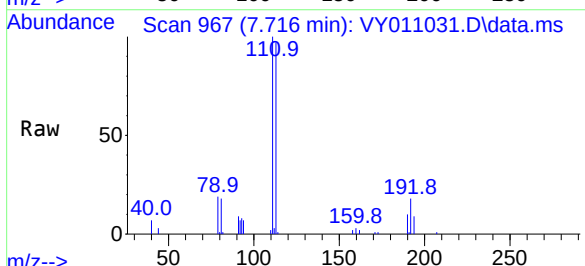
Tgt Ion:113 Resp: 28099

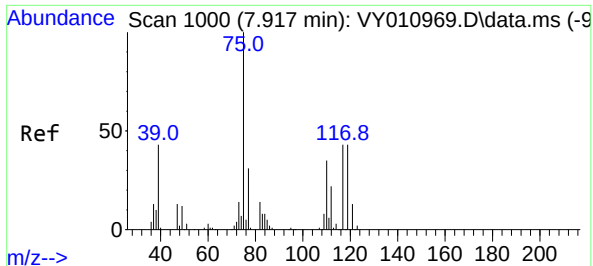
Ion Ratio Lower Upper

113 100

111 105.6 82.6 124.0

192 19.9 17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.981 ug/l

RT: 7.777 min Scan# 91

Delta R.T. -0.140 min

Lab File: VY011031.D

Acq: 20 Oct 2022 17:29

Instrument :

MSVOA_Y

ClientSampleId :

LSP-SS-07-20-40

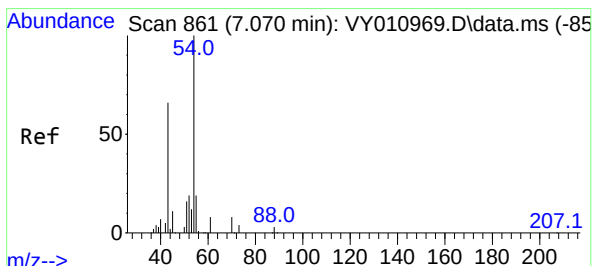
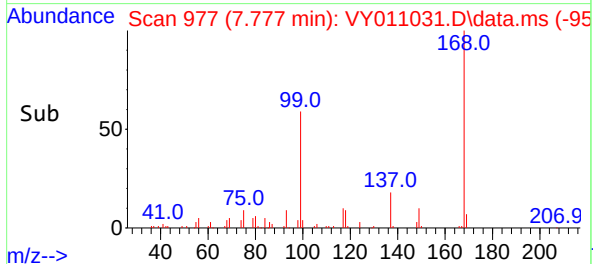
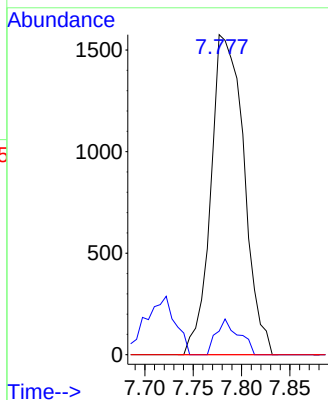
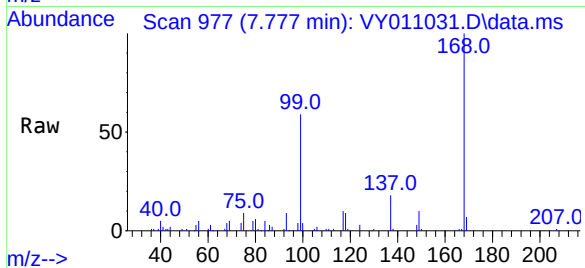
Tgt Ion: 75 Resp: 3742

Ion Ratio Lower Upper

75 100

110 7.6 17.1 51.2#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 1.111 ug/l

RT: 6.984 min Scan# 847

Delta R.T. -0.086 min

Lab File: VY011031.D

Acq: 20 Oct 2022 17:29

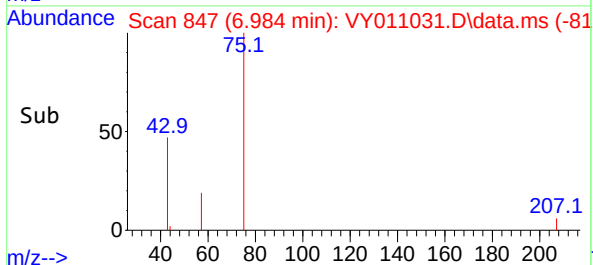
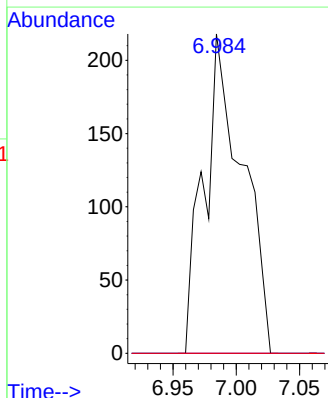
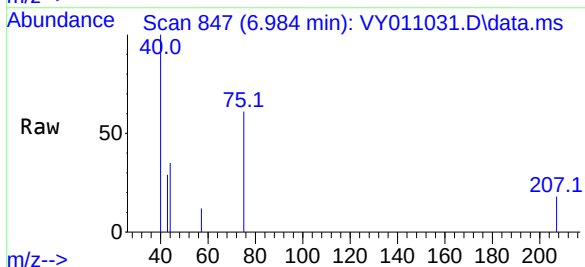
Tgt Ion: 43 Resp: 462

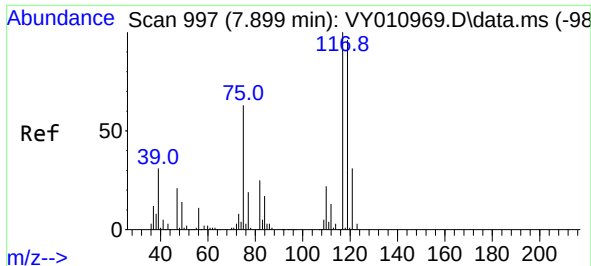
Ion Ratio Lower Upper

43 100

61 0.0 9.7 14.5#

70 0.0 7.1 10.7#

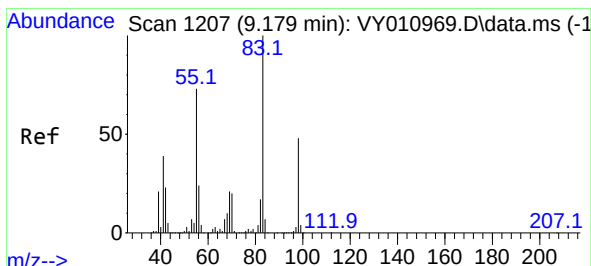
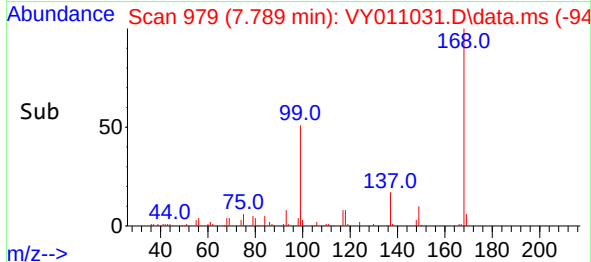
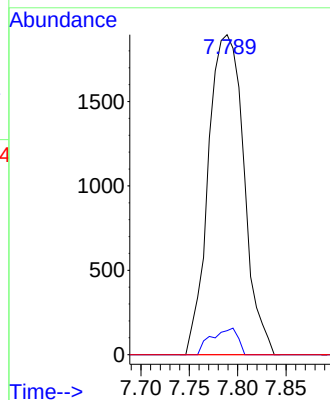
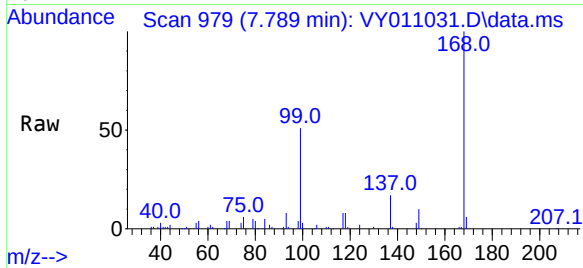




#38
Carbon Tetrachloride
Concen: 6.258 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY011031.D
Acq: 20 Oct 2022 17:29

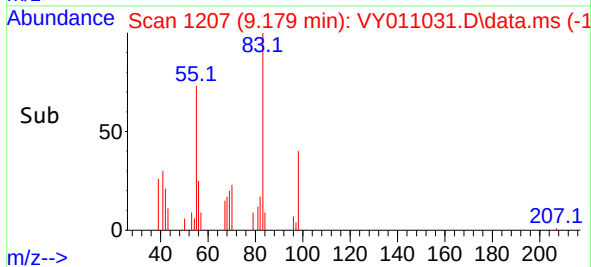
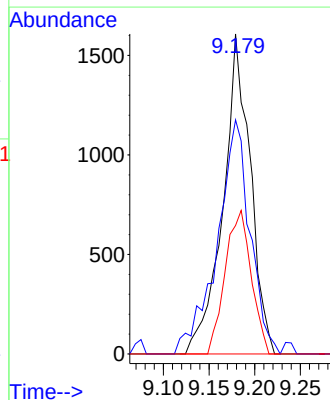
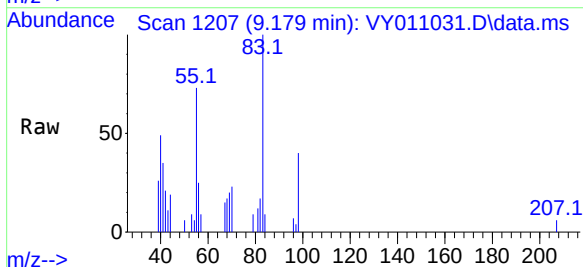
Instrument :
MSVOA_Y
ClientSampleId :
LSP-SS-07-20-40

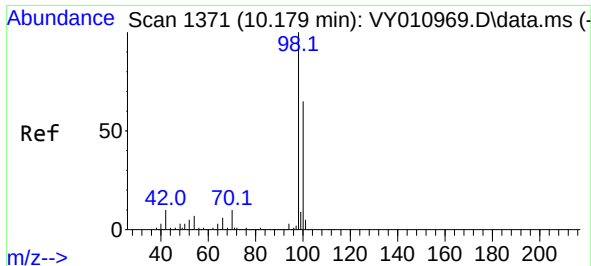
Tgt Ion:117 Resp: 4853
Ion Ratio Lower Upper
117 100
119 7.5 77.9 116.9#
121 0.0 24.8 37.2#



#39
Methylcyclohexane
Concen: 3.714 ug/l
RT: 9.179 min Scan# 1207
Delta R.T. 0.000 min
Lab File: VY011031.D
Acq: 20 Oct 2022 17:29

Tgt Ion: 83 Resp: 3342
Ion Ratio Lower Upper
83 100
55 73.1 66.5 99.7
98 40.2 37.9 56.9

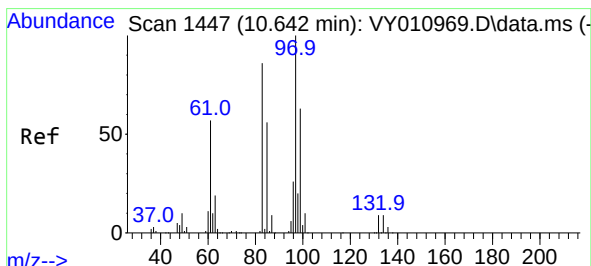
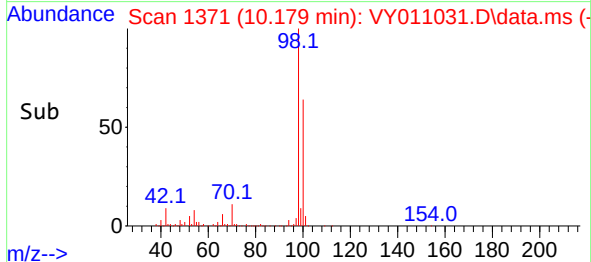
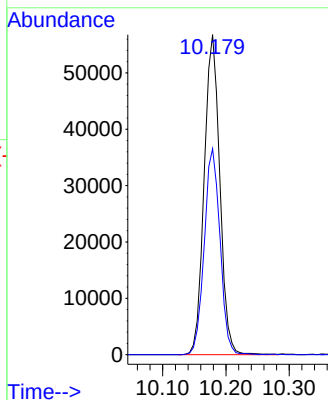
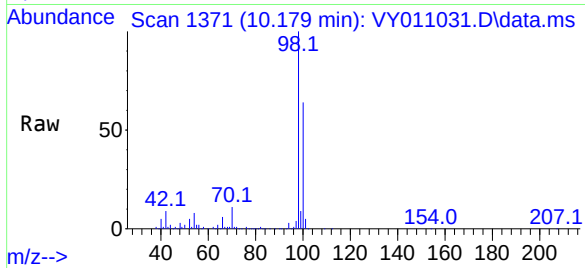




#50
Toluene-d8
Concen: 57.959 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011031.D
Acq: 20 Oct 2022 17:29

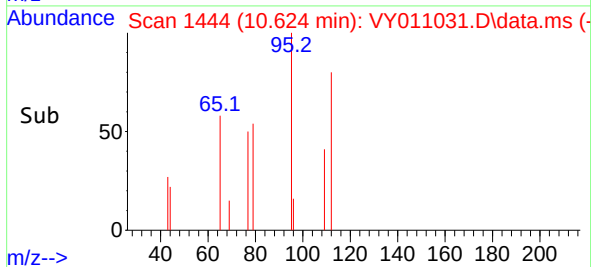
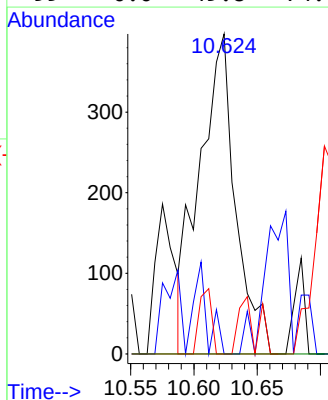
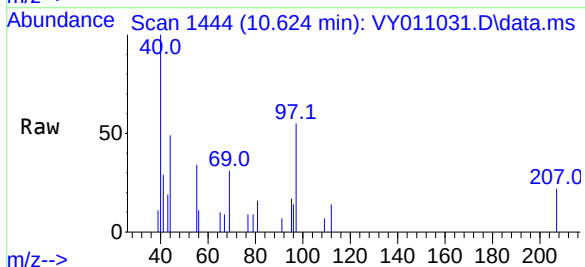
Instrument :
MSVOA_Y
ClientSampleId :
LSP-SS-07-20-40

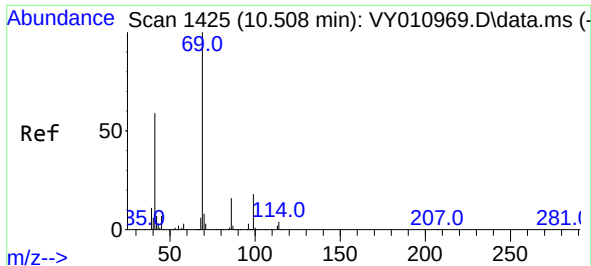
Tgt Ion: 98 Resp: 97660
Ion Ratio Lower Upper
98 100
100 64.9 50.2 75.2



#55
1,1,2-Trichloroethane
Concen: 1.760 ug/l
RT: 10.624 min Scan# 1444
Delta R.T. -0.018 min
Lab File: VY011031.D
Acq: 20 Oct 2022 17:29

Tgt Ion: 97 Resp: 792
Ion Ratio Lower Upper
97 100
83 0.0 69.8 104.8#
85 0.0 44.3 66.5#
99 0.0 49.8 74.6#

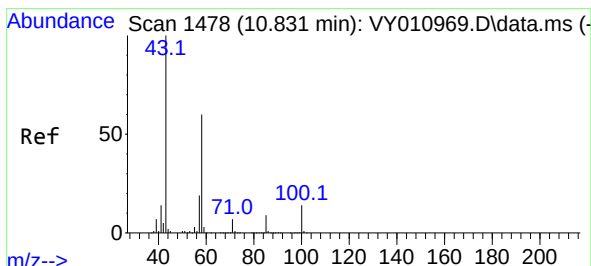
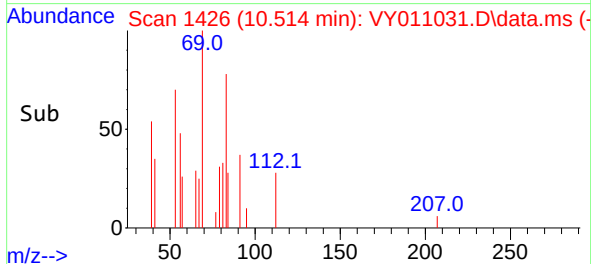
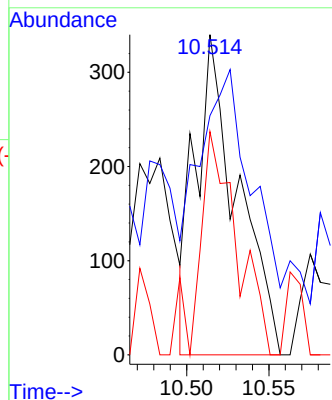
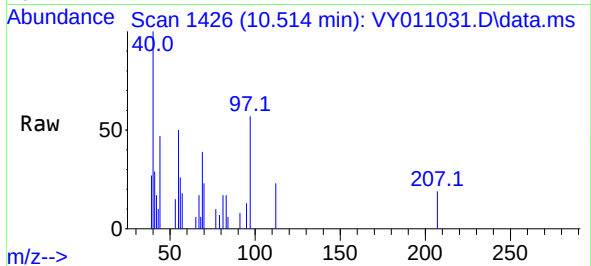




#56
Ethyl methacrylate
Concen: 1.011 ug/l
RT: 10.514 min Scan# 1426
Delta R.T. 0.006 min
Lab File: VY011031.D
Acq: 20 Oct 2022 17:29

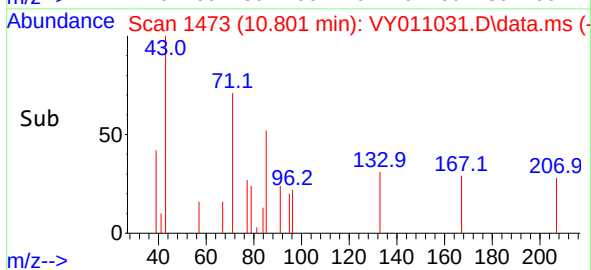
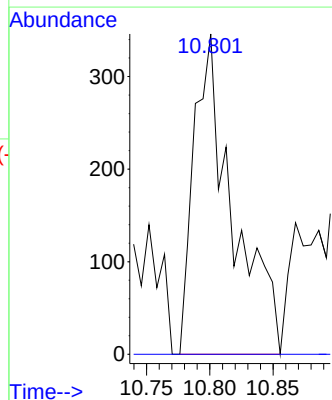
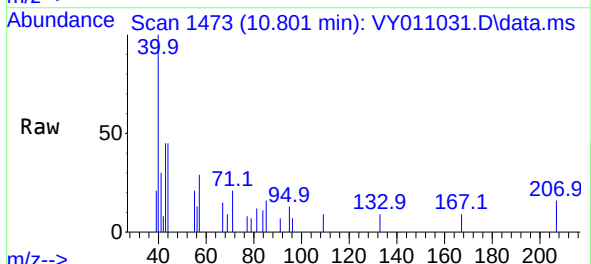
Instrument :
MSVOA_Y
ClientSampleId :
LSP-SS-07-20-40

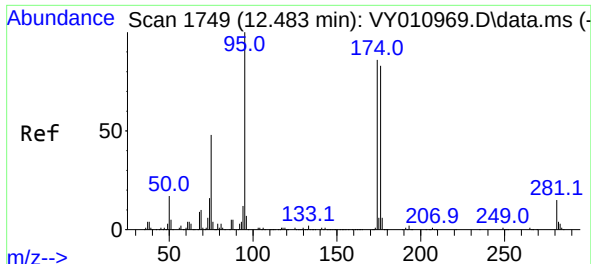
Tgt Ion: 69 Resp: 604
Ion Ratio Lower Upper
69 100
41 68.0 63.4 95.0
39 62.4 35.8 53.8#



#59
2-Hexanone
Concen: 2.589 ug/l
RT: 10.801 min Scan# 1473
Delta R.T. -0.030 min
Lab File: VY011031.D
Acq: 20 Oct 2022 17:29

Tgt Ion: 43 Resp: 737
Ion Ratio Lower Upper
43 100
58 0.0 24.4 73.4#

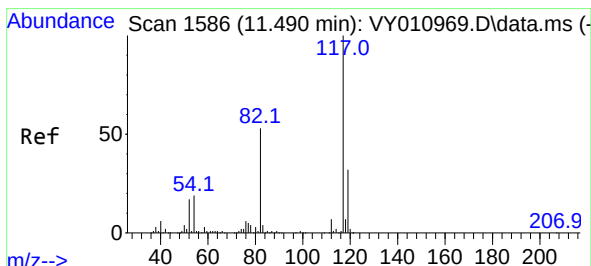
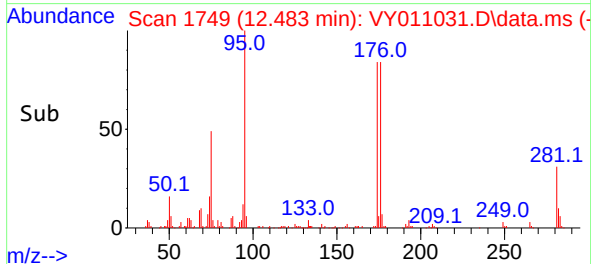
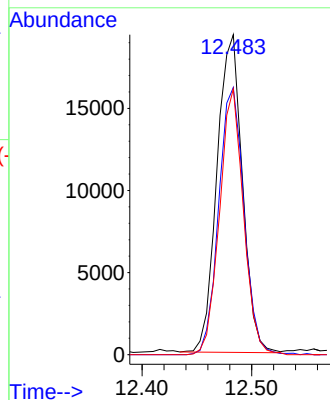
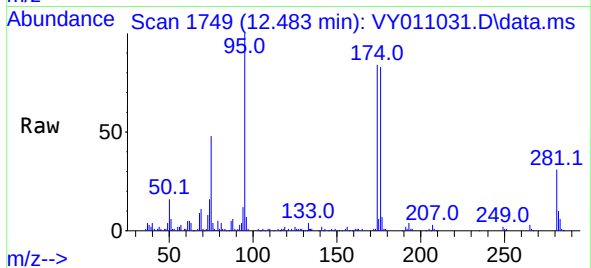




#62
4-Bromofluorobenzene
Concen: 52.346 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY011031.D
Acq: 20 Oct 2022 17:29

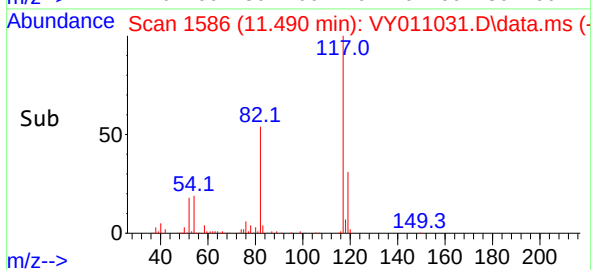
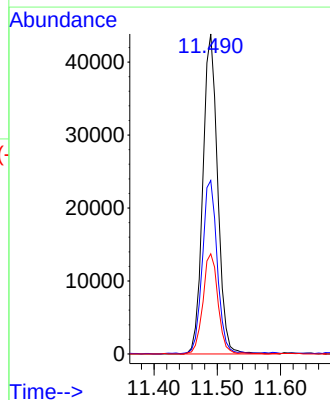
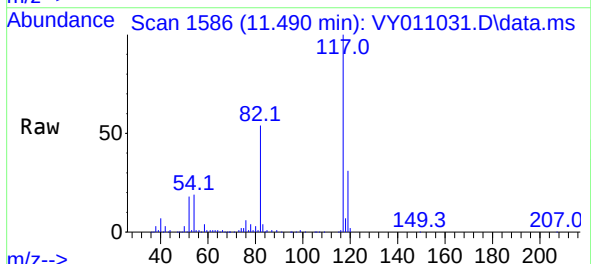
Instrument :
MSVOA_Y
ClientSampleId :
LSP-SS-07-20-40

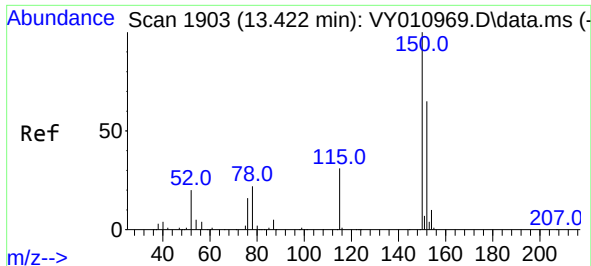
Tgt Ion:	95	Resp:	31158
Ion	Ratio	Lower	Upper
95	100		
174	83.8	0.0	177.0
176	78.7	0.0	175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY011031.D
Acq: 20 Oct 2022 17:29

Tgt Ion:	117	Resp:	71414
Ion	Ratio	Lower	Upper
117	100		
82	54.1	43.0	64.4
119	31.3	25.4	38.0

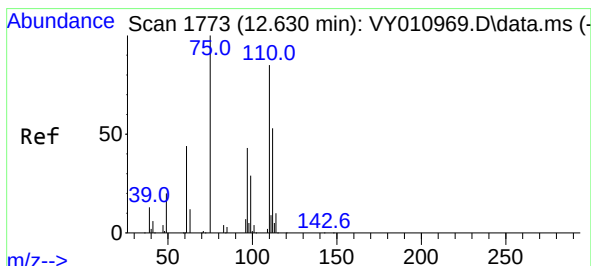
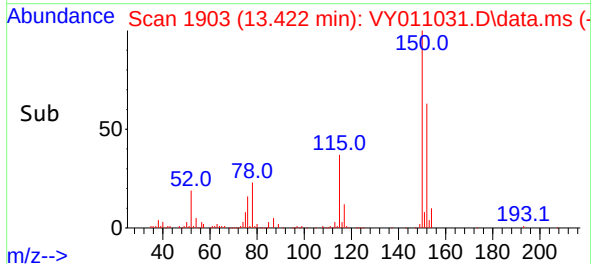
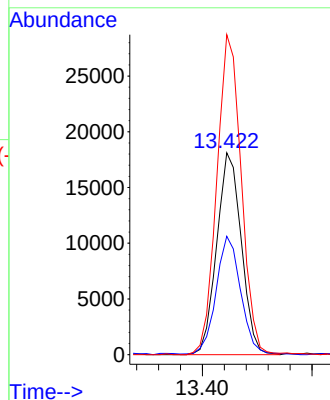
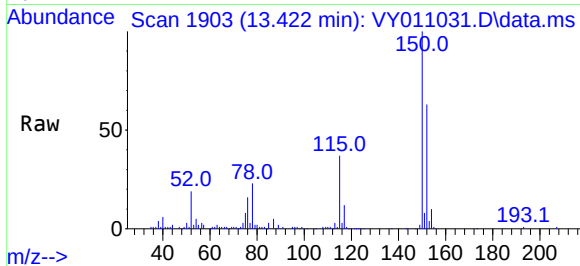




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY011031.D
Acq: 20 Oct 2022 17:29

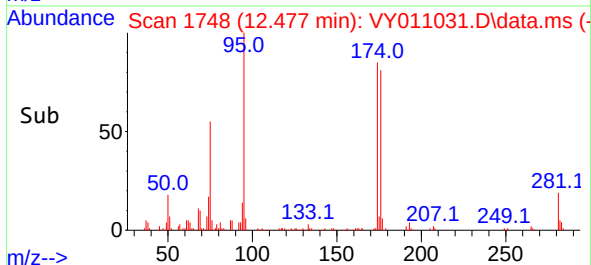
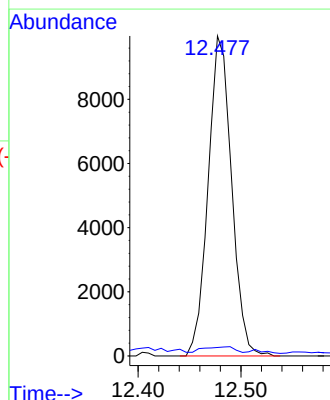
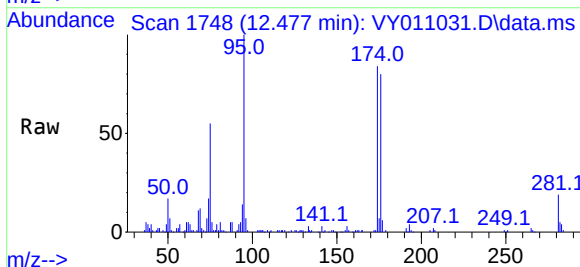
Instrument :
MSVOA_Y
ClientSampleId :
LSP-SS-07-20-40

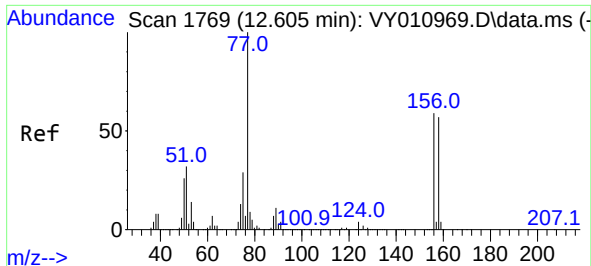
Tgt Ion:152 Resp: 28231
Ion Ratio Lower Upper
152 100
115 59.1 28.2 84.7
150 158.4 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 49.293 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY011031.D
Acq: 20 Oct 2022 17:29

Tgt Ion: 75 Resp: 15799
Ion Ratio Lower Upper
75 100
77 2.2 0.0 0.0#

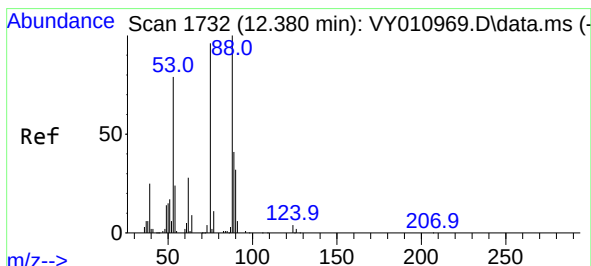
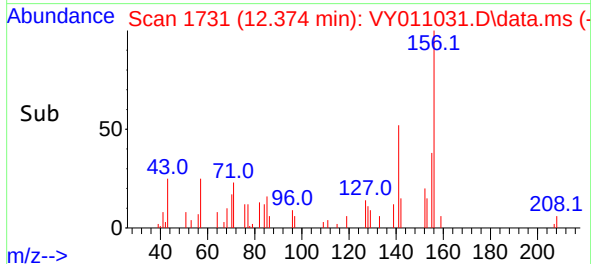
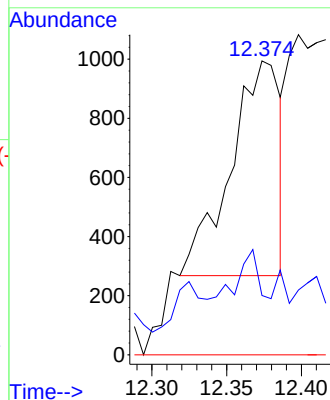
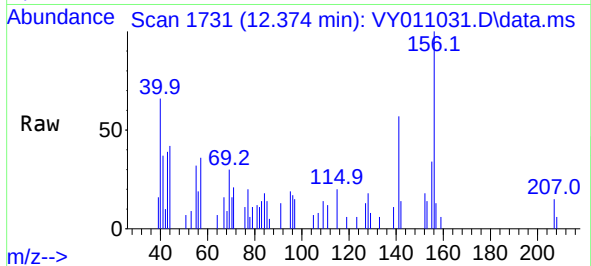




#77
Bromobenzene
Concen: 3.494 ug/l
RT: 12.374 min Scan# 11
Delta R.T. -0.231 min
Lab File: VY011031.D
Acq: 20 Oct 2022 17:29

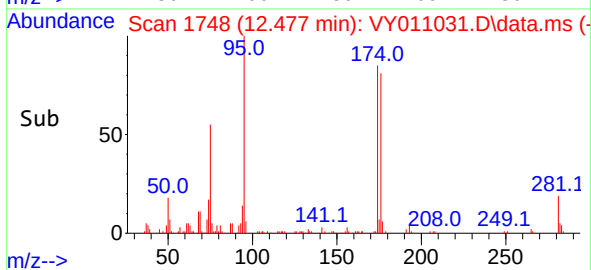
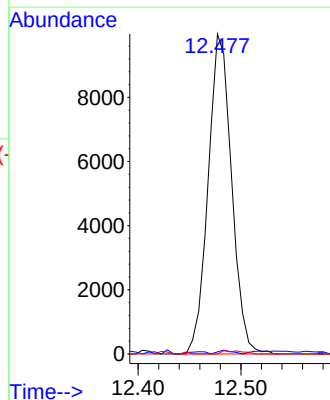
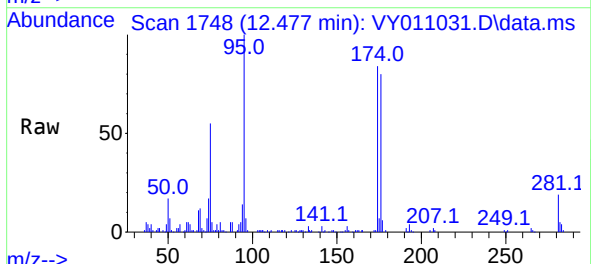
Instrument :
MSVOA_Y
ClientSampleId :
LSP-SS-07-20-40

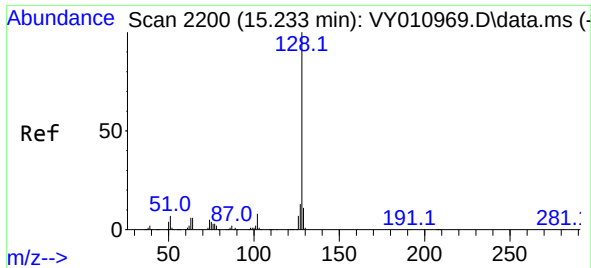
Tgt Ion:156 Resp: 1675
Ion Ratio Lower Upper
156 100
77 7.8 95.5 286.4#
158 0.0 48.0 144.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 106.015 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.097 min
Lab File: VY011031.D
Acq: 20 Oct 2022 17:29

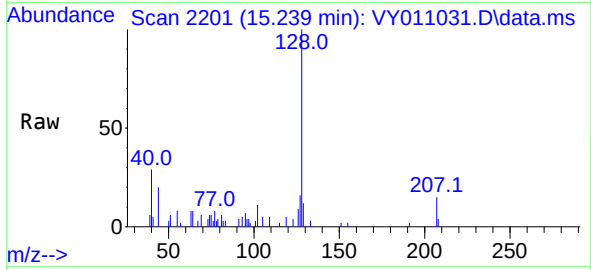
Tgt Ion: 75 Resp: 15799
Ion Ratio Lower Upper
75 100
53 0.7 85.3 127.9#
89 0.9 37.0 55.4#





#95
Naphthalene
Concen: 5.025 ug/l
RT: 15.239 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY011031.D
Acq: 20 Oct 2022 17:29

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



Tgt Ion:	128	Resp:	5236
Ion	Ratio	Lower	Upper
128	100		
127	15.9	11.0	16.4
129	12.9	8.4	12.6#

