

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102022\
 Data File : VY011026.D
 Acq On : 20 Oct 2022 15:35
 Operator : KP/MD
 Sample : N5193-04
 Misc : 4.12g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LSP-SS-02-03-05

Quant Time: Oct 20 22:24:14 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)

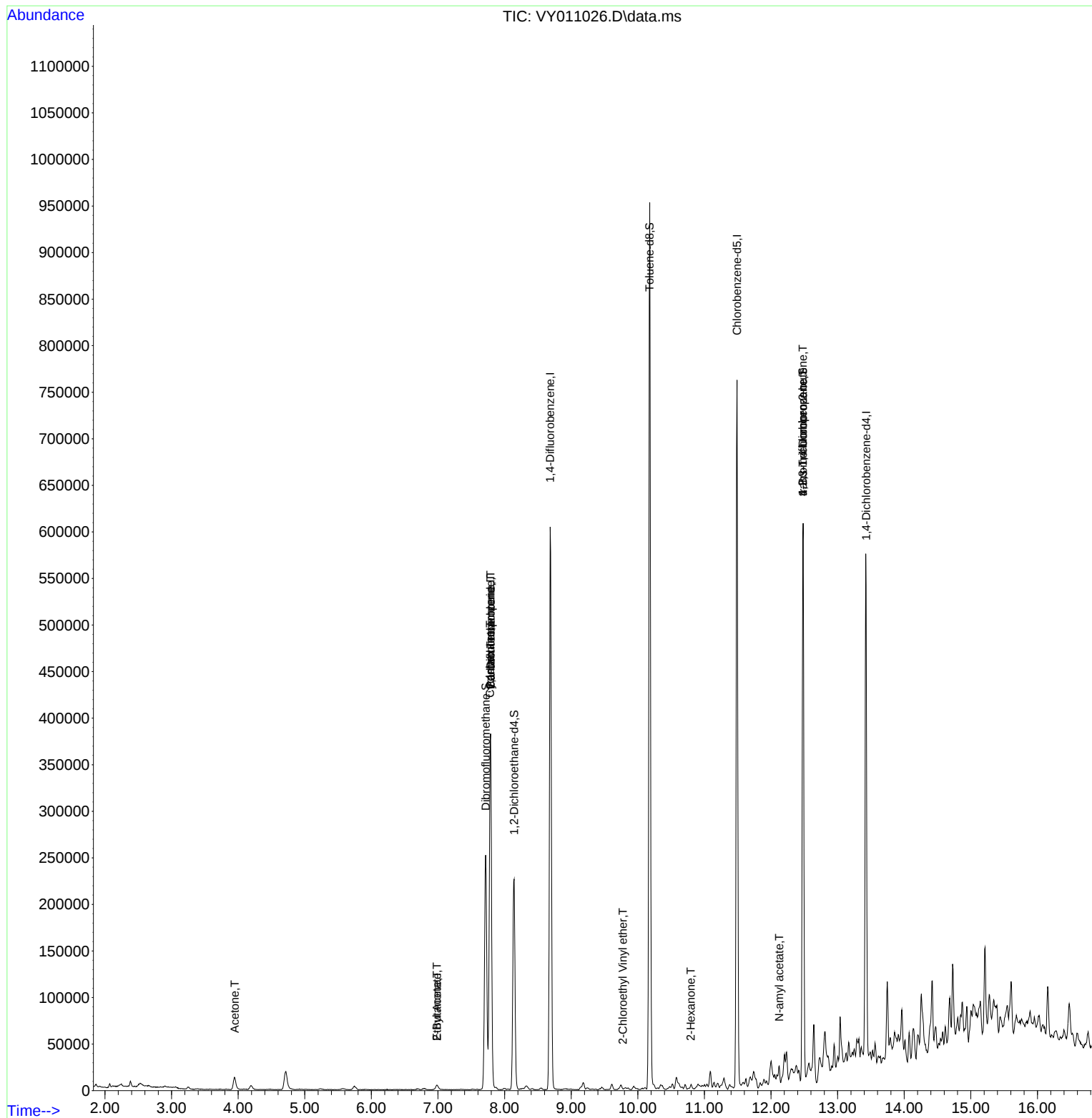
Internal Standards						
1) Pentafluorobenzene	7.789	168	309362	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	529124	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	420861	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	146164	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	180031	63.176	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 126.360%	
35) Dibromofluoromethane	7.716	113	181363	62.007	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 124.020%	
50) Toluene-d8	10.179	98	622051	56.304	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 112.600%	
62) 4-Bromofluorobenzene	12.477	95	183185	46.599	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 93.200%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.918	59	309	Below Cal	#	77
16) Acetone	3.948	43	22570	27.274	ug/l #	86
18) Methyl Acetate	4.479	43	578	Below Cal	#	70
20) Methylene Chloride	4.716	84	15448	Below Cal	#	77
25) 2-Butanone	6.984	43	6426	5.120	ug/l #	86
31) Cyclohexane	7.783	56	6975	1.279	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	22350	4.537	ug/l #	51
37) Ethyl Acetate	6.984	43	6426	2.356	ug/l #	73
38) Carbon Tetrachloride	7.789	117	29864	5.873	ug/l #	15
58) 2-Chloroethyl Vinyl ether	9.776	63	20	16.970	ug/l #	48
59) 2-Hexanone	10.795	43	2498	1.338	ug/l #	30
74) N-amyl acetate	12.124	43	4749	1.763	ug/l #	60
76) 1,2,3-Trichloropropane	12.477	75	93541	56.369	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	93541	121.235	ug/l #	8

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

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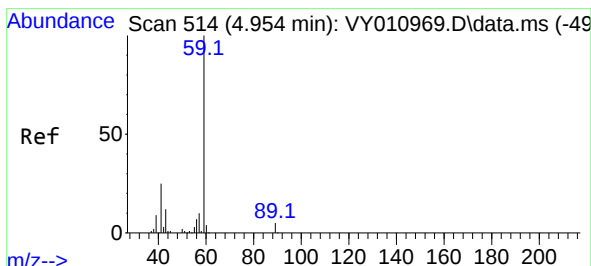
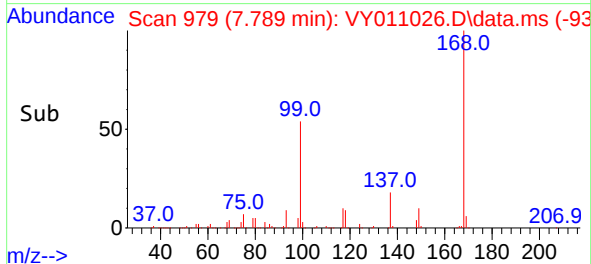
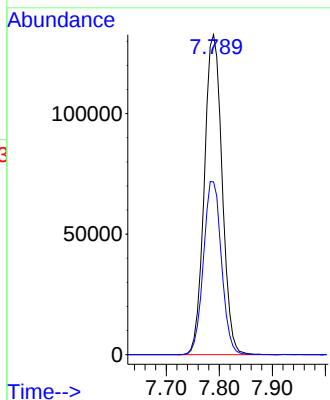
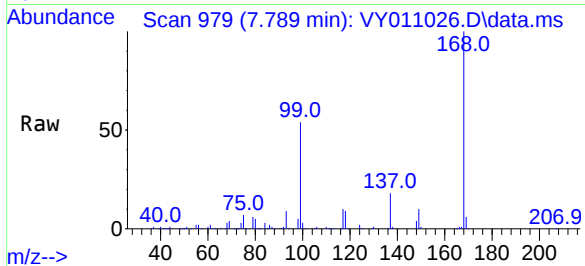




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011026.D
Acq: 20 Oct 2022 15:35

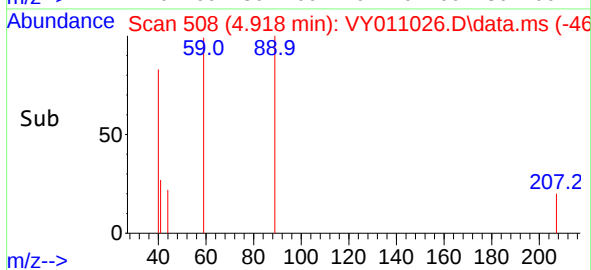
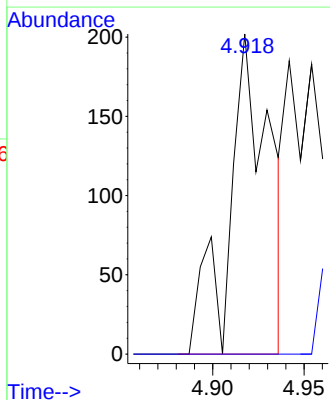
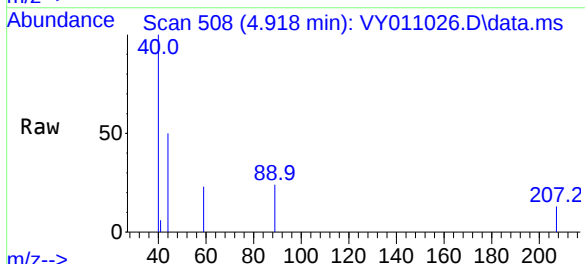
Instrument :
MSVOA_Y
ClientSampleId :
LSP-SS-02-03-05

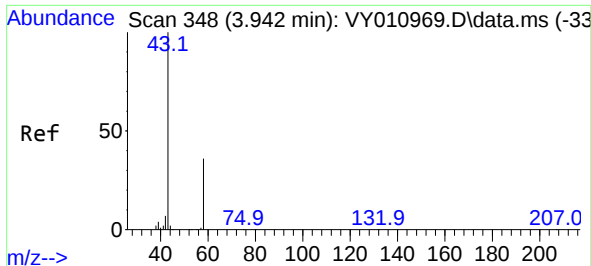
Tgt Ion:168 Resp: 309362
Ion Ratio Lower Upper
168 100
99 54.0 46.9 70.3



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.918 min Scan# 508
Delta R.T. -0.036 min
Lab File: VY011026.D
Acq: 20 Oct 2022 15:35

Tgt Ion: 59 Resp: 309
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

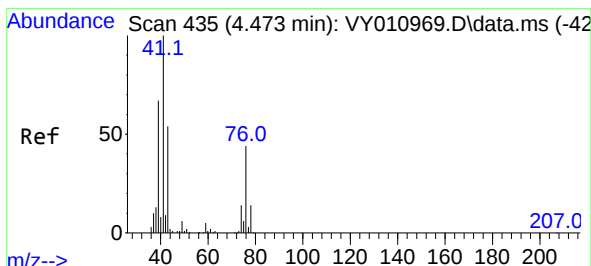
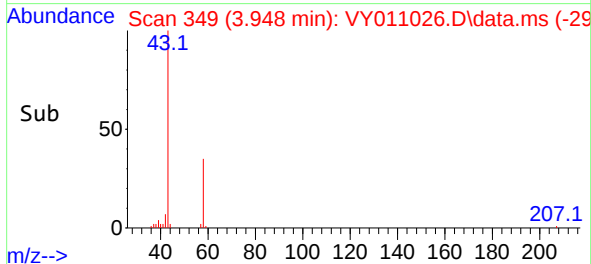
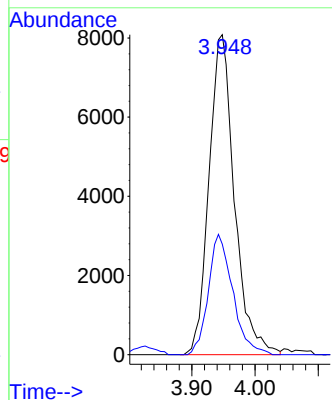
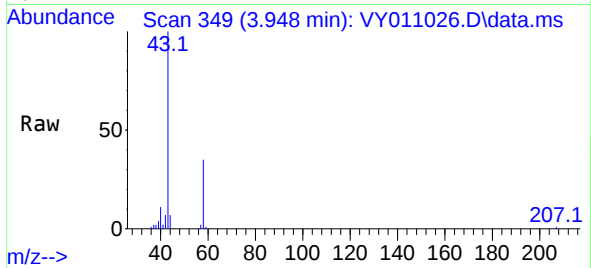




#16
Acetone
Concen: 27.274 ug/l
RT: 3.948 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY011026.D
Acq: 20 Oct 2022 15:35

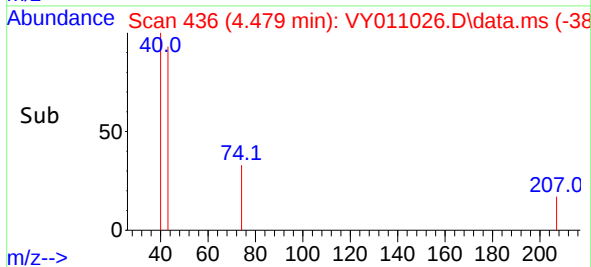
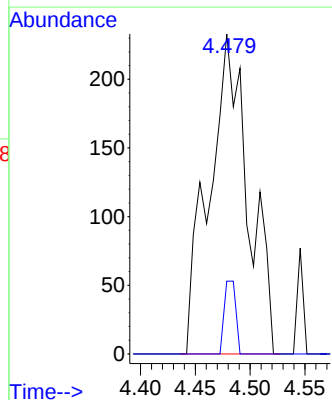
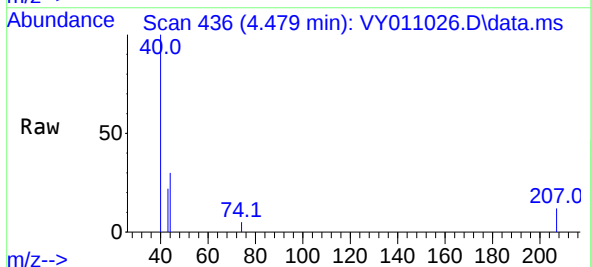
Instrument :
MSVOA_Y
ClientSampleId :
LSP-SS-02-03-05

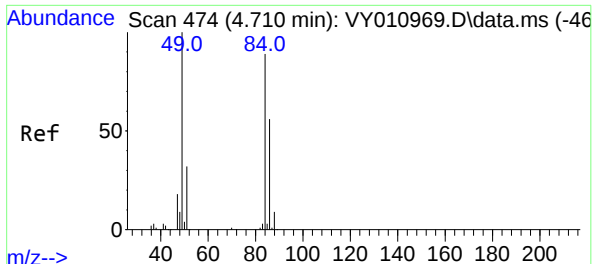
Tgt Ion: 43 Resp: 22570
Ion Ratio Lower Upper
43 100
58 34.6 22.0 33.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.479 min Scan# 436
Delta R.T. 0.006 min
Lab File: VY011026.D
Acq: 20 Oct 2022 15:35

Tgt Ion: 43 Resp: 578
Ion Ratio Lower Upper
43 100
74 6.7 16.6 24.8#

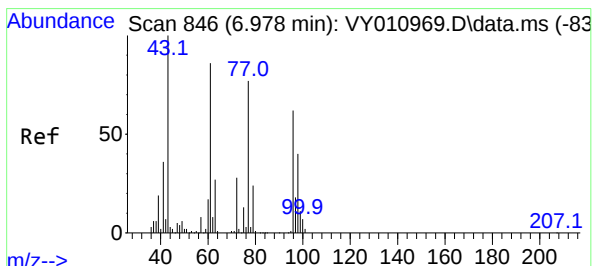
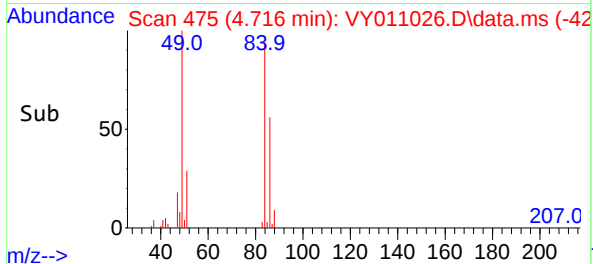
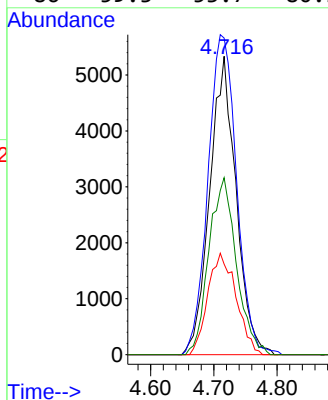
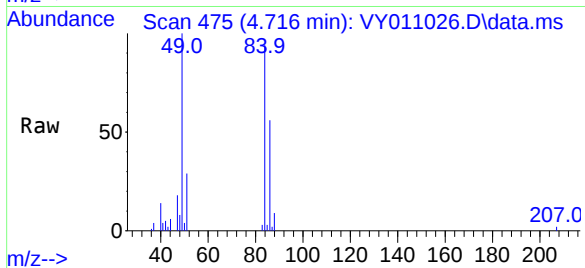




#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY011026.D
Acq: 20 Oct 2022 15:35

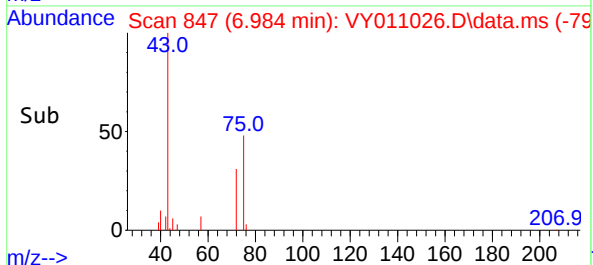
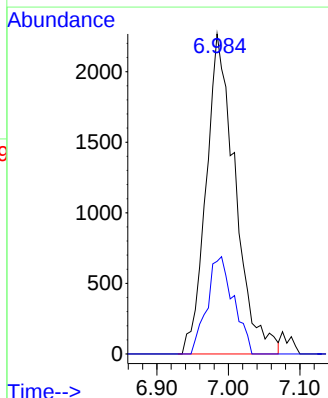
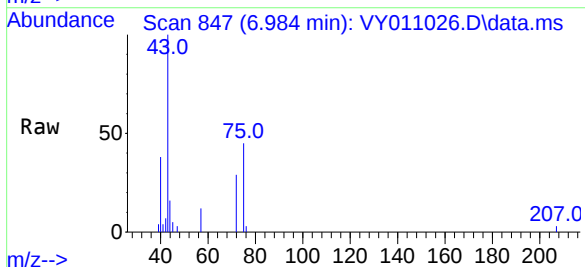
Instrument :
MSVOA_Y
ClientSampleId :
LSP-SS-02-03-05

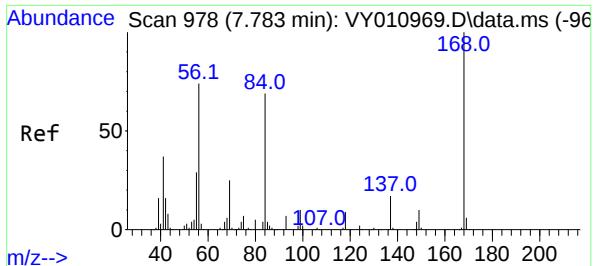
Tgt Ion:	84	Resp:	15448
Ion	Ratio	Lower	Upper
84	100		
49	106.1	114.4	171.6#
51	30.4	35.3	52.9#
86	59.3	53.7	80.5



#25
2-Butanone
Concen: 5.120 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.006 min
Lab File: VY011026.D
Acq: 20 Oct 2022 15:35

Tgt Ion:	43	Resp:	6426
Ion	Ratio	Lower	Upper
43	100		
72	28.9	17.7	26.5#

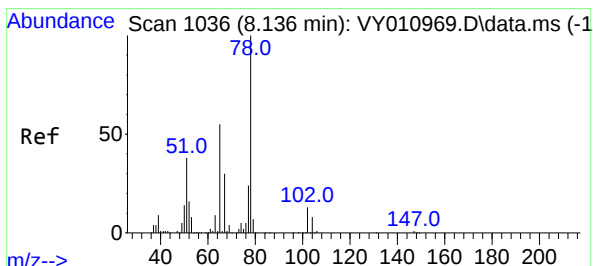
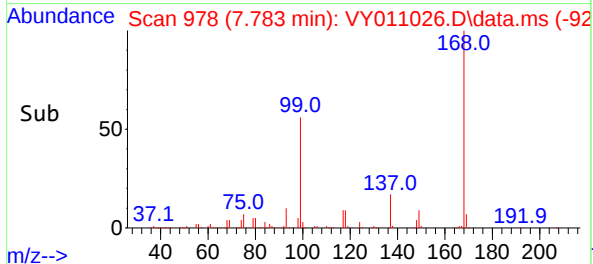
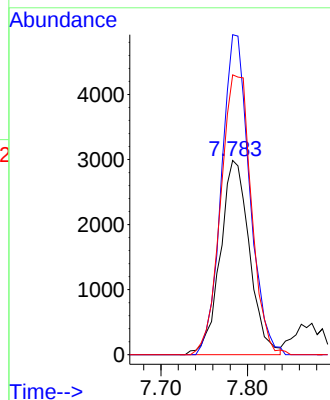
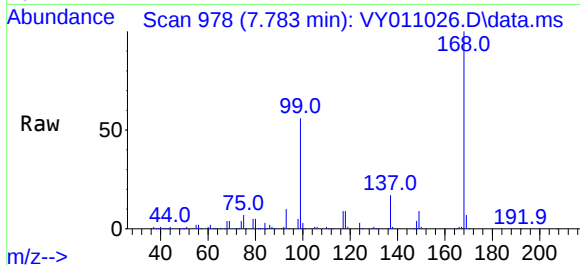




#31
Cyclohexane
Concen: 1.279 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011026.D
Acq: 20 Oct 2022 15:35

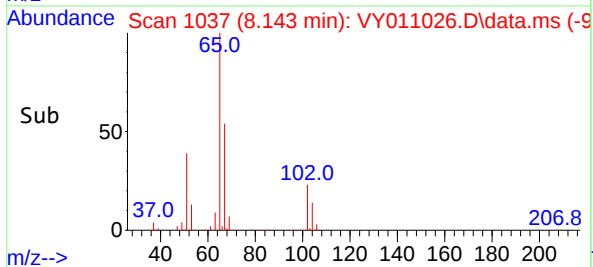
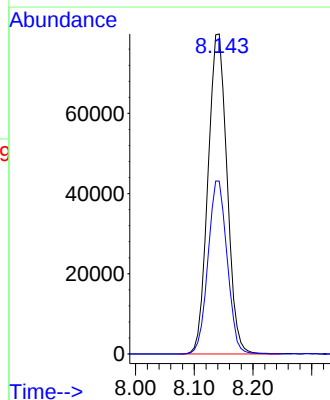
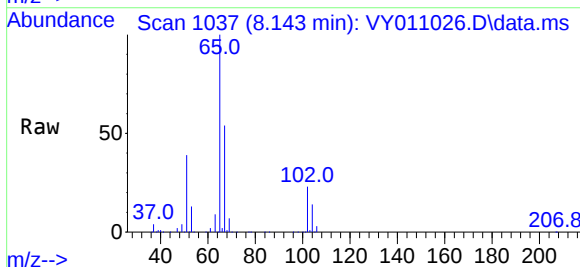
Instrument :
MSVOA_Y
ClientSampleId :
LSP-SS-02-03-05

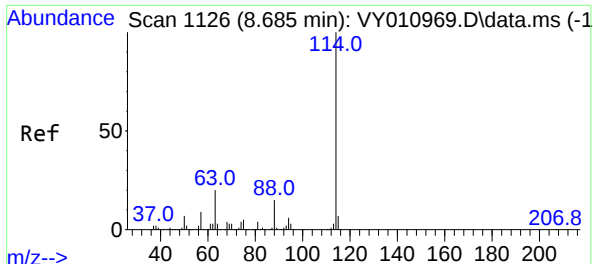
Tgt Ion: 56 Resp: 6975
Ion Ratio Lower Upper
56 100
69 164.8 26.7 40.1#
84 149.3 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 63.176 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.007 min
Lab File: VY011026.D
Acq: 20 Oct 2022 15:35

Tgt Ion: 65 Resp: 180031
Ion Ratio Lower Upper
65 100
67 54.2 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: VY011026.D

Acq: 20 Oct 2022 15:35

Instrument :

MSVOA_Y

ClientSampleId :

LSP-SS-02-03-05

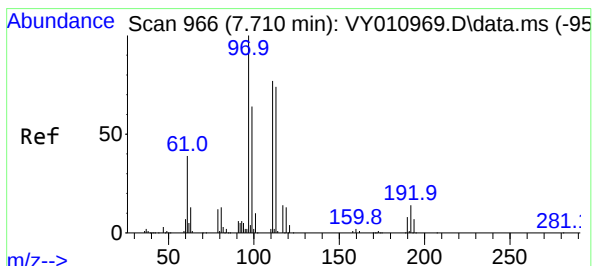
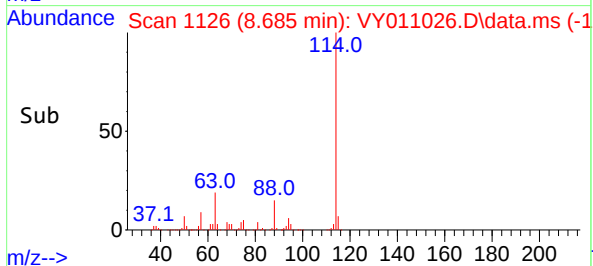
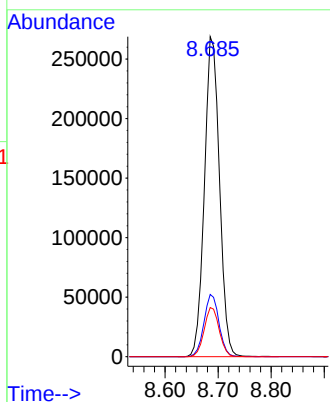
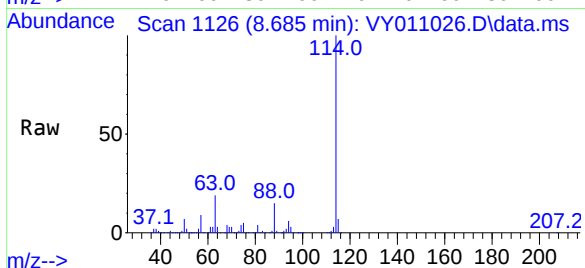
Tgt Ion:114 Resp: 529124

Ion Ratio Lower Upper

114 100

63 19.4 0.0 43.2

88 15.3 0.0 31.8



#35

Dibromofluoromethane

Concen: 62.007 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.006 min

Lab File: VY011026.D

Acq: 20 Oct 2022 15:35

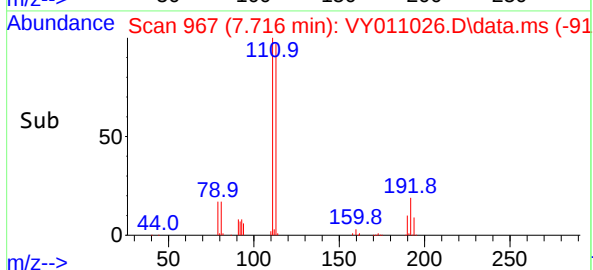
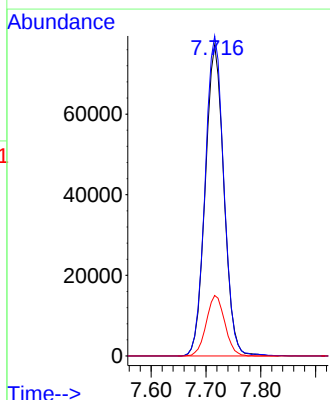
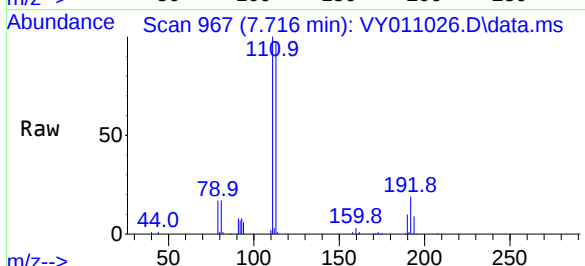
Tgt Ion:113 Resp: 181363

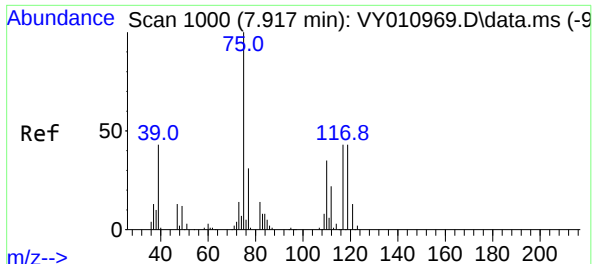
Ion Ratio Lower Upper

113 100

111 103.5 82.6 124.0

192 19.4 17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.537 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY011026.D

Acq: 20 Oct 2022 15:35

Instrument :

MSVOA_Y

ClientSampleId :

LSP-SS-02-03-05

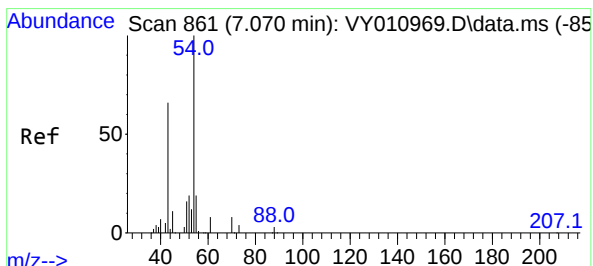
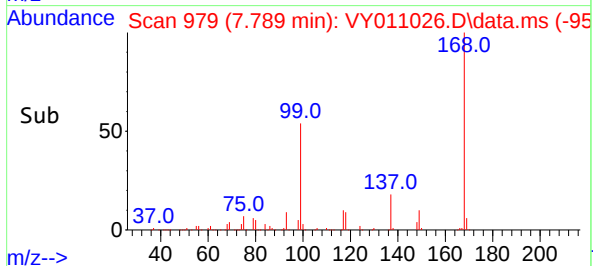
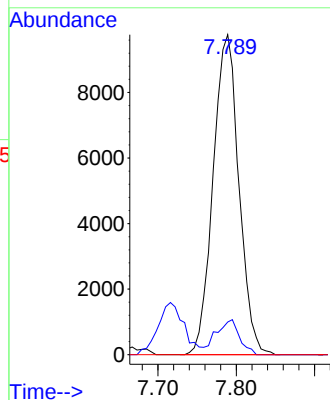
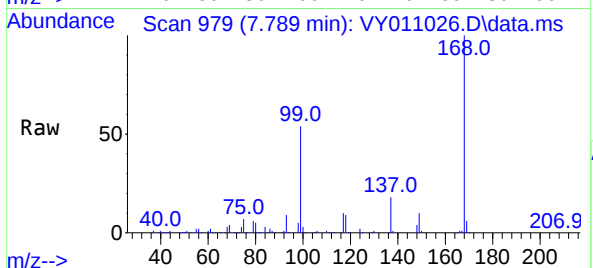
Tgt Ion: 75 Resp: 22350

Ion Ratio Lower Upper

75 100

110 9.8 17.1 51.2#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 2.356 ug/l

RT: 6.984 min Scan# 847

Delta R.T. -0.086 min

Lab File: VY011026.D

Acq: 20 Oct 2022 15:35

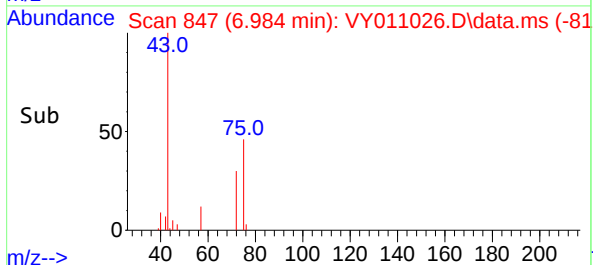
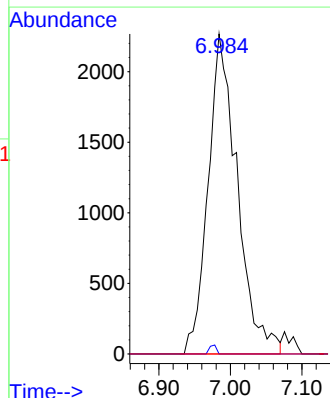
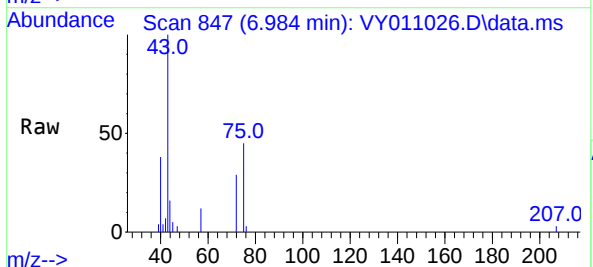
Tgt Ion: 43 Resp: 6426

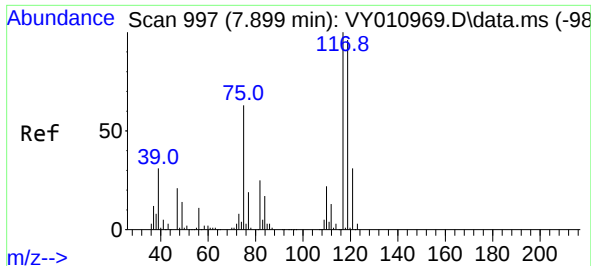
Ion Ratio Lower Upper

43 100

61 0.7 9.7 14.5#

70 0.0 7.1 10.7#

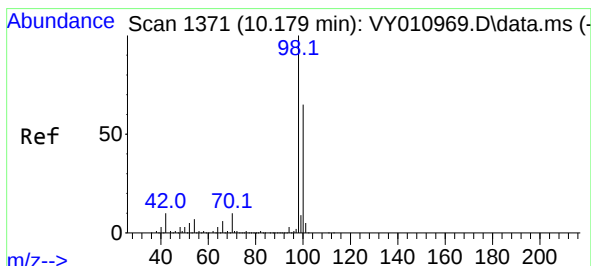
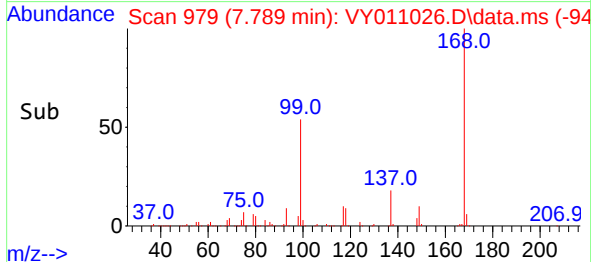
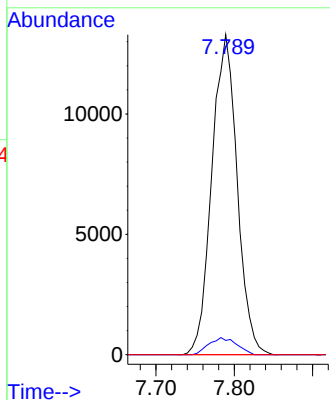
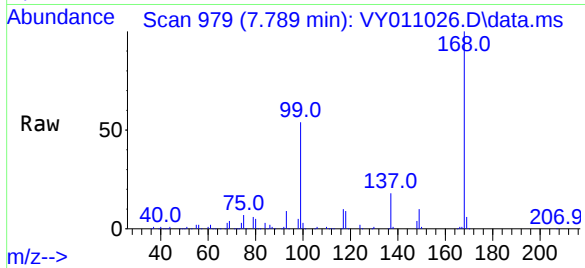




#38
Carbon Tetrachloride
Concen: 5.873 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY011026.D
Acq: 20 Oct 2022 15:35

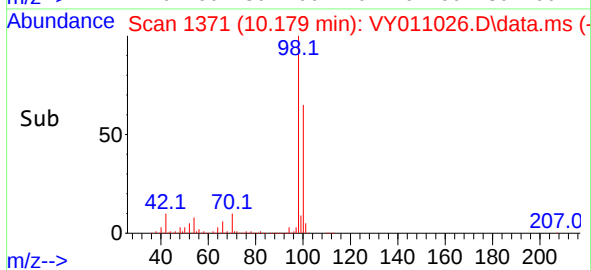
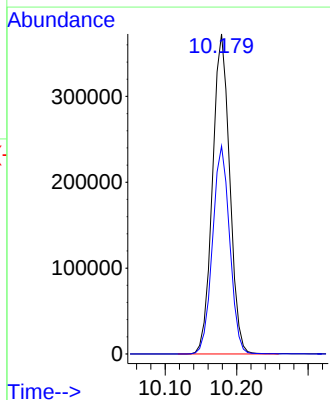
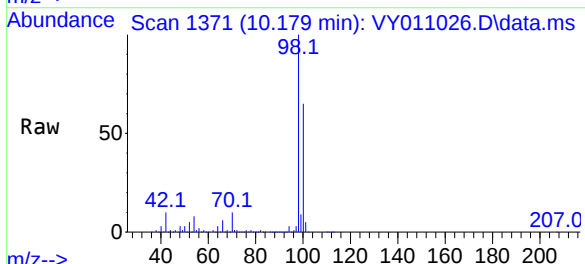
Instrument :
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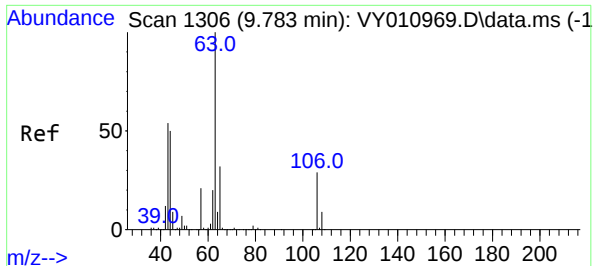
Tgt Ion:117 Resp: 29864
Ion Ratio Lower Upper
117 100
119 4.4 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 56.304 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011026.D
Acq: 20 Oct 2022 15:35

Tgt Ion: 98 Resp: 622051
Ion Ratio Lower Upper
98 100
100 64.8 50.2 75.2

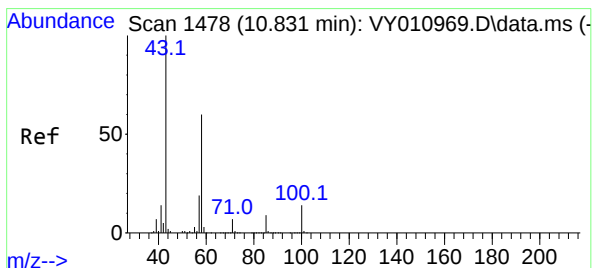
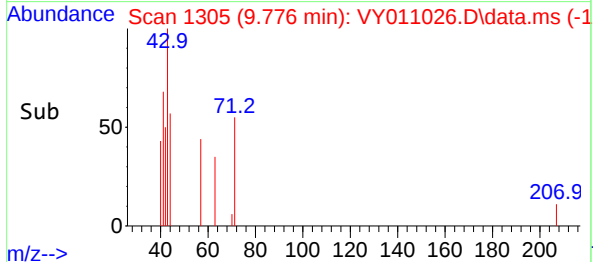
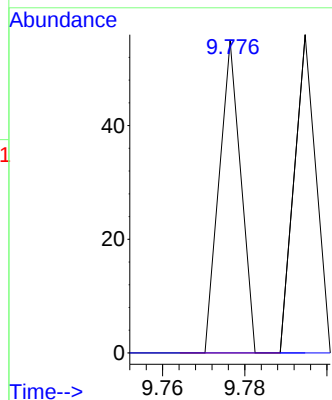
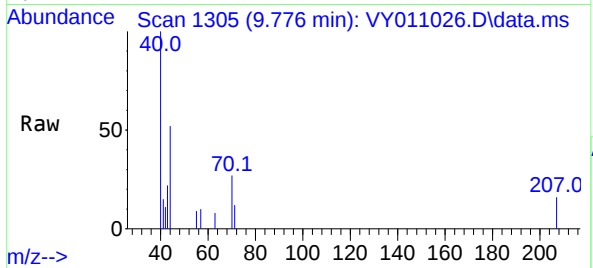




#58
2-Chloroethyl Vinyl ether
Concen: 16.970 ug/l
RT: 9.776 min Scan# 11
Delta R.T. -0.007 min
Lab File: VY011026.D
Acq: 20 Oct 2022 15:35

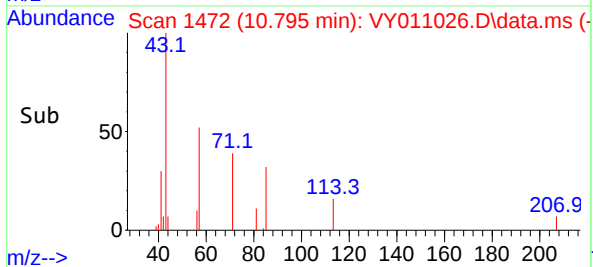
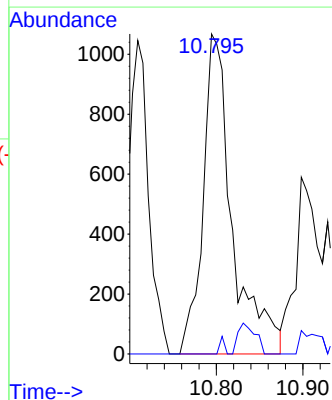
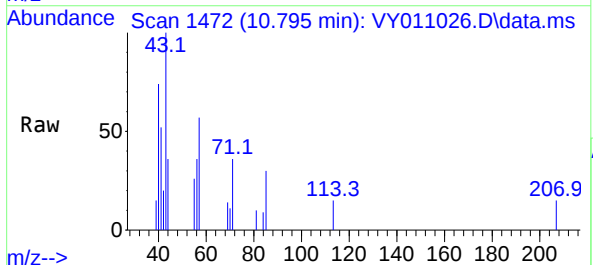
Instrument :
MSVOA_Y
ClientSampleId :
LSP-SS-02-03-05

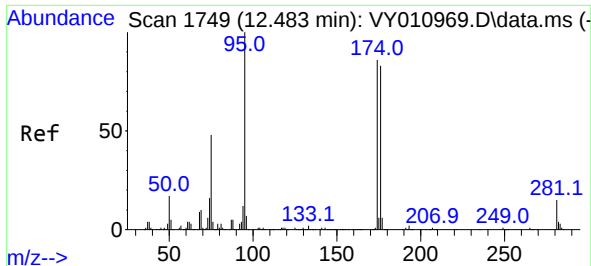
Tgt Ion: 63 Resp: 20
Ion Ratio Lower Upper
63 100
106 0.0 21.5 32.3#



#59
2-Hexanone
Concen: 1.338 ug/l
RT: 10.795 min Scan# 1472
Delta R.T. -0.036 min
Lab File: VY011026.D
Acq: 20 Oct 2022 15:35

Tgt Ion: 43 Resp: 2498
Ion Ratio Lower Upper
43 100
58 0.9 24.4 73.4#

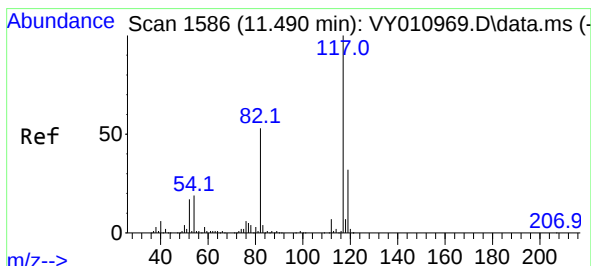
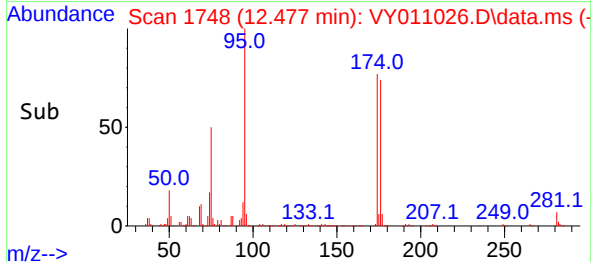
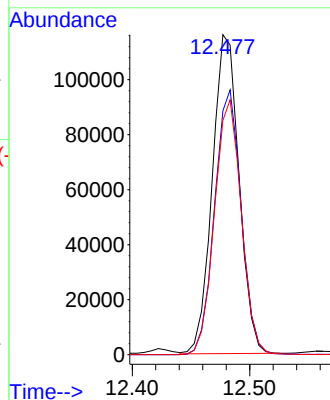
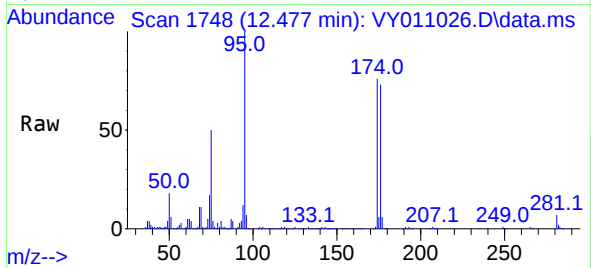




#62
4-Bromofluorobenzene
Concen: 46.599 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY011026.D
Acq: 20 Oct 2022 15:35

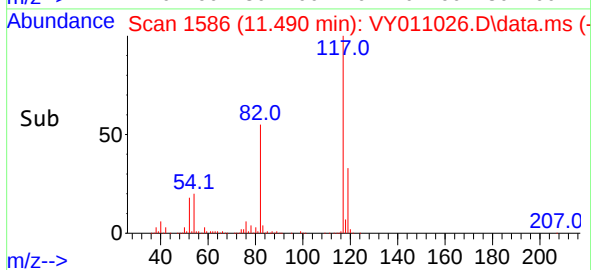
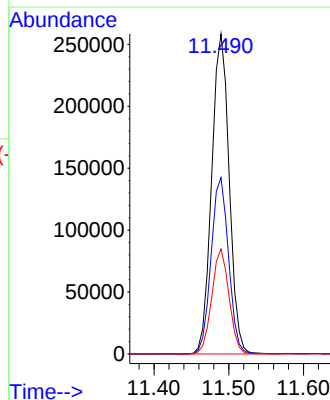
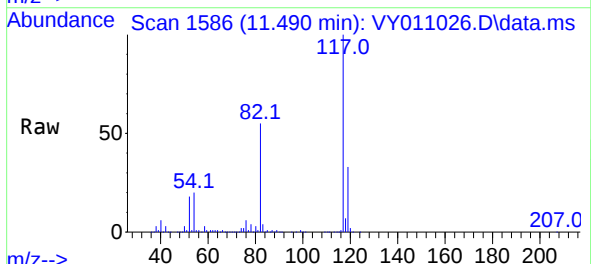
Instrument :
MSVOA_Y
ClientSampleId :
LSP-SS-02-03-05

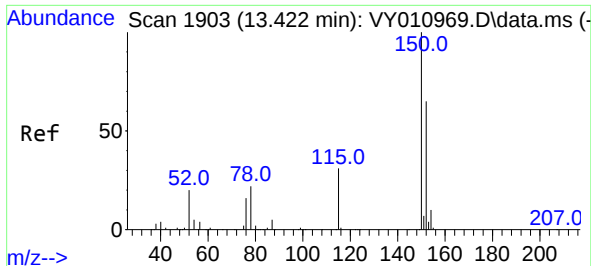
Tgt Ion: 95 Resp: 183185
Ion Ratio Lower Upper
95 100
174 82.7 0.0 177.0
176 80.1 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY011026.D
Acq: 20 Oct 2022 15:35

Tgt Ion: 117 Resp: 420861
Ion Ratio Lower Upper
117 100
82 55.1 43.0 64.4
119 32.9 25.4 38.0

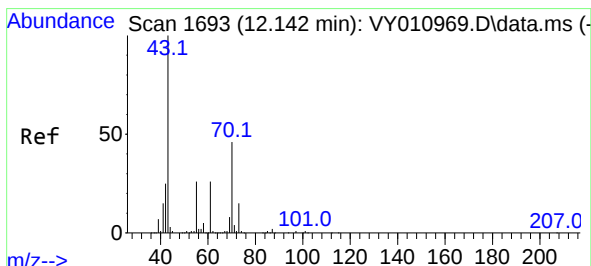
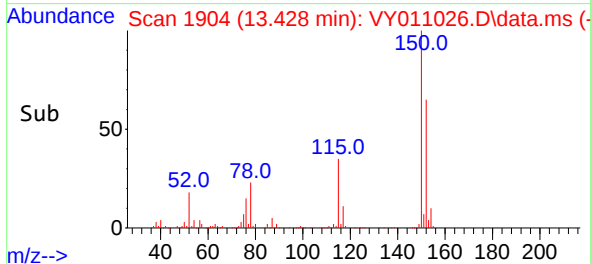
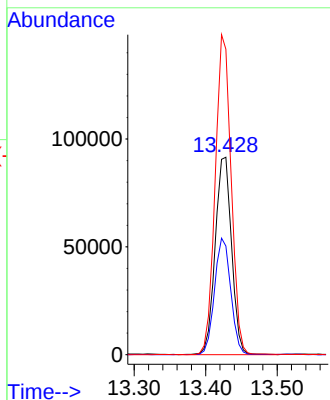
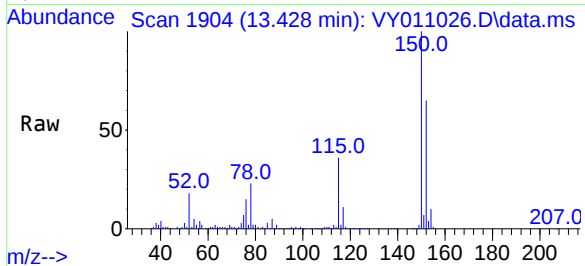




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1903
Delta R.T. 0.006 min
Lab File: VY011026.D
Acq: 20 Oct 2022 15:35

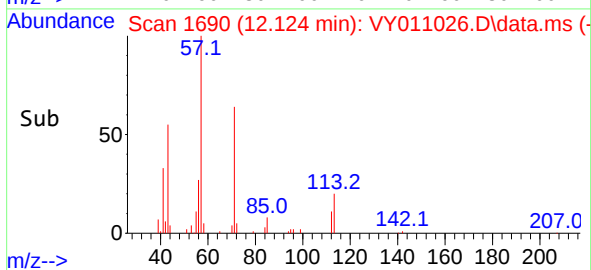
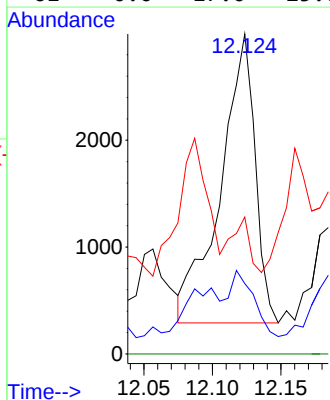
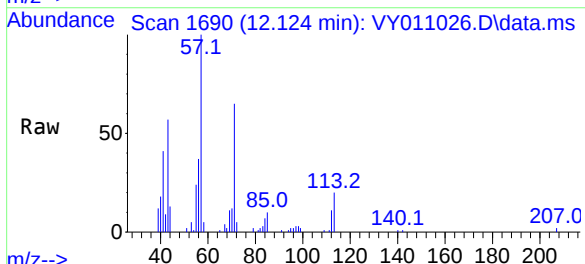
Instrument :
MSVOA_Y
ClientSampleId :
LSP-SS-02-03-05

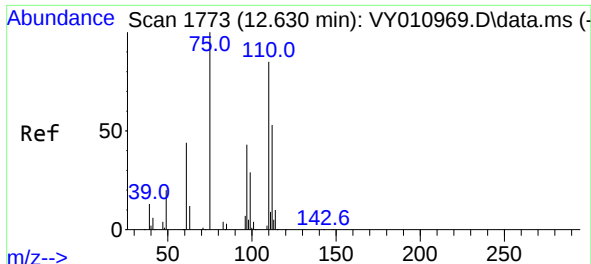
Tgt Ion:152 Resp: 146164
Ion Ratio Lower Upper
152 100
115 57.9 28.2 84.7
150 157.5 0.0 347.6



#74
N-ethyl acetate
Concen: 1.763 ug/l
RT: 12.124 min Scan# 1690
Delta R.T. -0.018 min
Lab File: VY011026.D
Acq: 20 Oct 2022 15:35

Tgt Ion: 43 Resp: 4749
Ion Ratio Lower Upper
43 100
70 16.2 28.7 43.1#
55 0.0 17.3 25.9#
61 0.0 17.0 25.6#

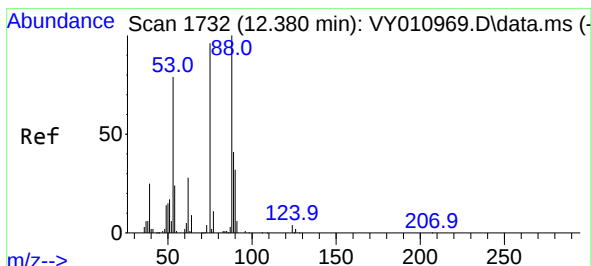
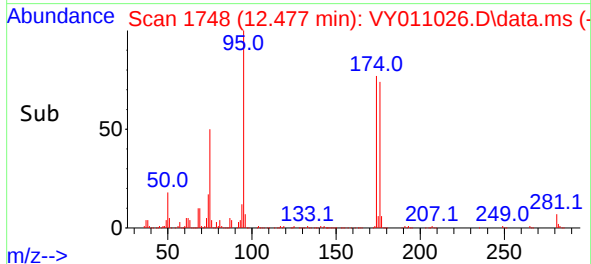
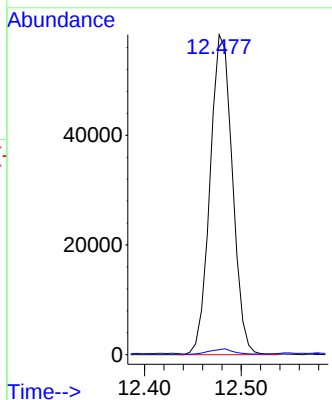
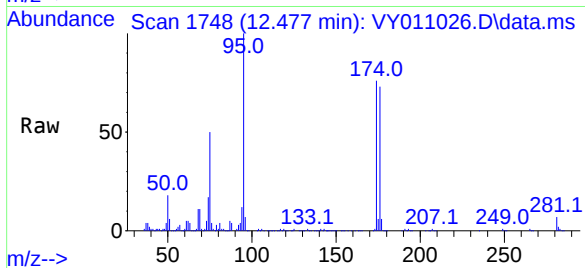




#76
1,2,3-Trichloropropane
Concen: 56.369 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY011026.D
Acq: 20 Oct 2022 15:35

Instrument :
MSVOA_Y
ClientSampleId :
LSP-SS-02-03-05

Tgt Ion: 75 Resp: 93541
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 121.235 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.097 min
Lab File: VY011026.D
Acq: 20 Oct 2022 15:35

Tgt Ion: 75 Resp: 93541
Ion Ratio Lower Upper
75 100
53 0.5 85.3 127.9#
89 0.1 37.0 55.4#

