

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102022\
 Data File : VY011029.D
 Acq On : 20 Oct 2022 16:43
 Operator : KP/MD
 Sample : N5193-12
 Misc : 5.88g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LSP-SS-05-08-13

Quant Time: Oct 20 22:24:47 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)

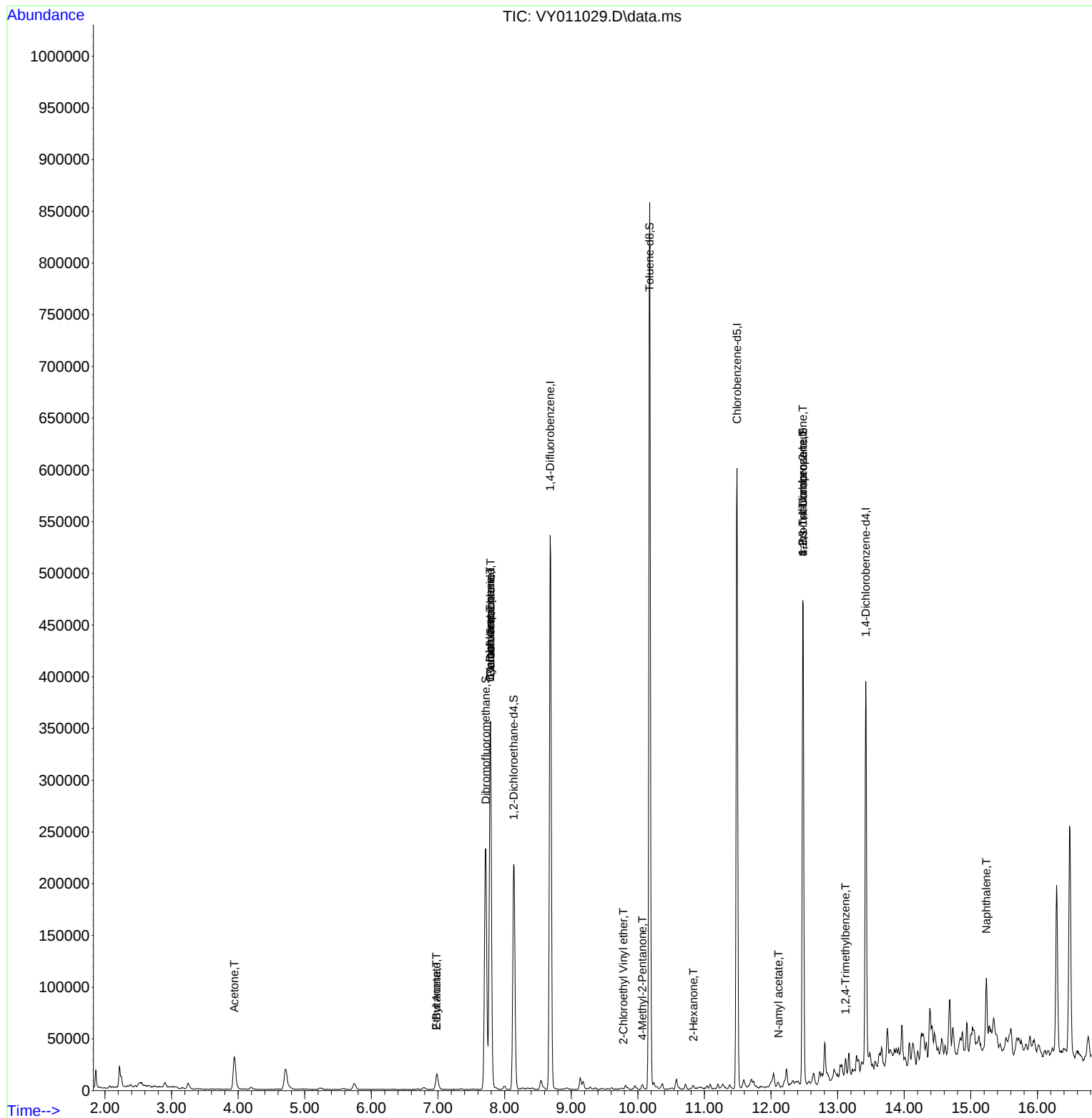
Internal Standards						
1) Pentafluorobenzene	7.789	168	278519	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	468543	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	336739	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	99858	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	167620	65.334	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 130.660%	
35) Dibromofluoromethane	7.716	113	170402	65.930	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 131.860%	
50) Toluene-d8	10.179	98	553303	56.557	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 113.120%	
62) 4-Bromofluorobenzene	12.477	95	142950	40.677	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 81.360%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.942	59	1012	Below Cal	#	77
16) Acetone	3.942	43	55182	74.066	ug/l #	89
18) Methyl Acetate	4.472	43	71	Below Cal	#	56
20) Methylene Chloride	4.716	84	15168	Below Cal	#	78
25) 2-Butanone	6.978	43	24618	21.789	ug/l	95
31) Cyclohexane	7.783	56	7262	1.479	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	20695	4.745	ug/l #	51
37) Ethyl Acetate	6.978	43	24618	10.194	ug/l #	72
38) Carbon Tetrachloride	7.789	117	27091	6.017	ug/l #	16
51) 4-Methyl-2-Pentanone	10.069	43	3240	1.347	ug/l	92
58) 2-Chloroethyl Vinyl ether	9.782	63	45	16.985	ug/l #	48
59) 2-Hexanone	10.837	43	3391	2.052	ug/l	90
74) N-amyl acetate	12.111	43	2477	1.346	ug/l #	68
76) 1,2,3-Trichloropropane	12.477	75	72398	63.860	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	72398	137.344	ug/l #	8
84) 1,2,4-Trimethylbenzene	13.117	105	8592	1.439	ug/l	96
95) Naphthalene	15.233	128	58197	15.791	ug/l	98

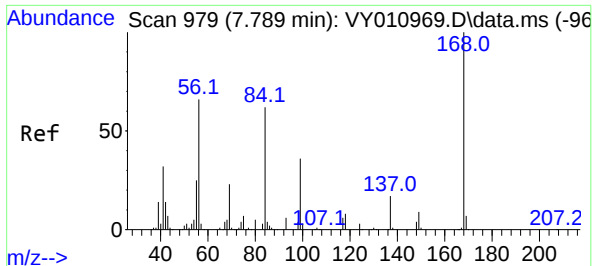
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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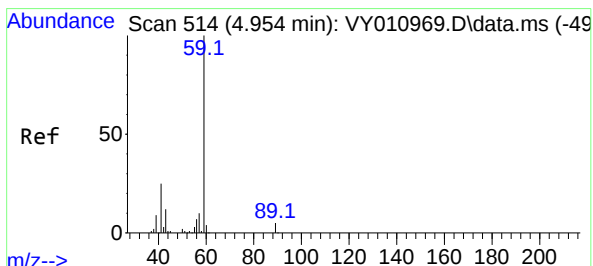
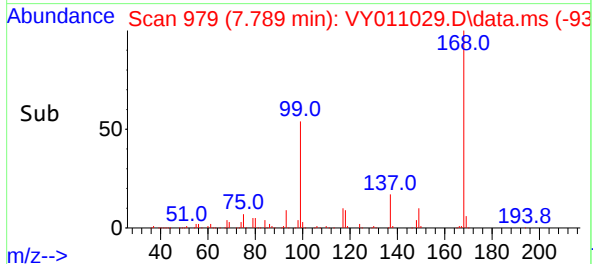
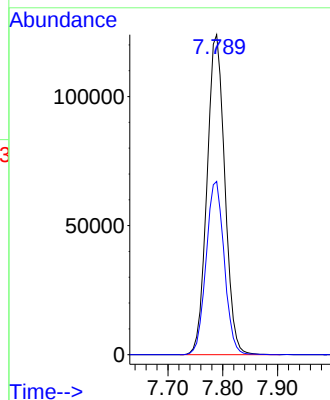
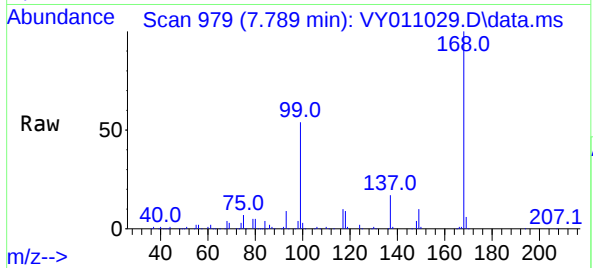




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011029.D
Acq: 20 Oct 2022 16:43

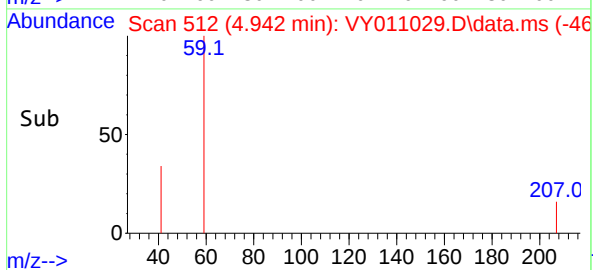
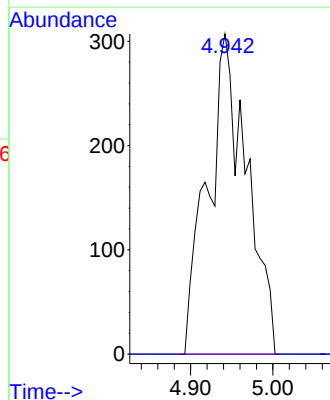
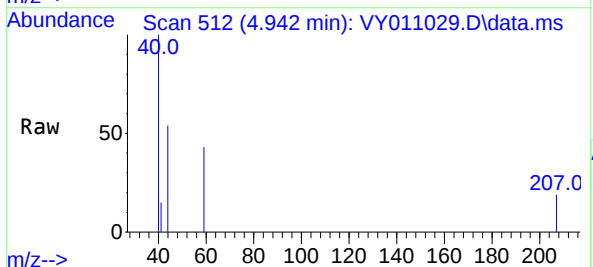
Instrument :
MSVOA_Y
ClientSampleId :
LSP-SS-05-08-13

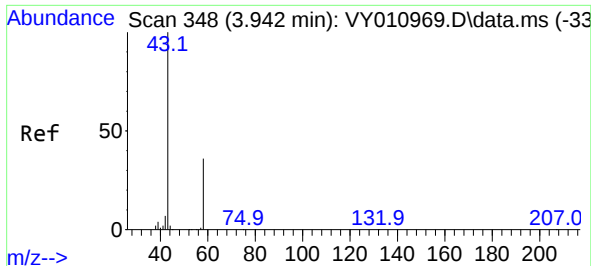
Tgt Ion:168 Resp: 278519
Ion Ratio Lower Upper
168 100
99 54.1 46.9 70.3



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.942 min Scan# 512
Delta R.T. -0.012 min
Lab File: VY011029.D
Acq: 20 Oct 2022 16:43

Tgt Ion: 59 Resp: 1012
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

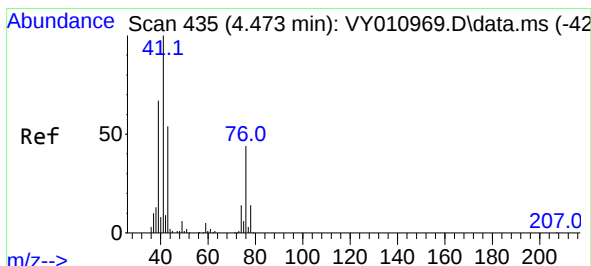
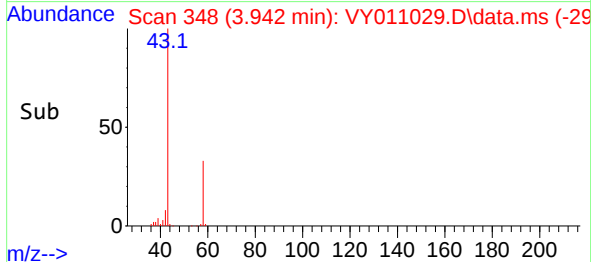
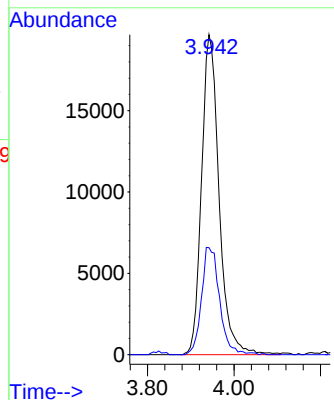
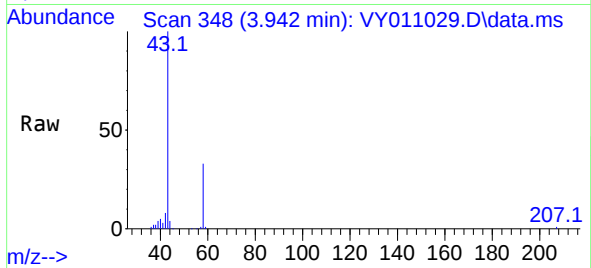




#16
Acetone
Concen: 74.066 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.000 min
Lab File: VY011029.D
Acq: 20 Oct 2022 16:43

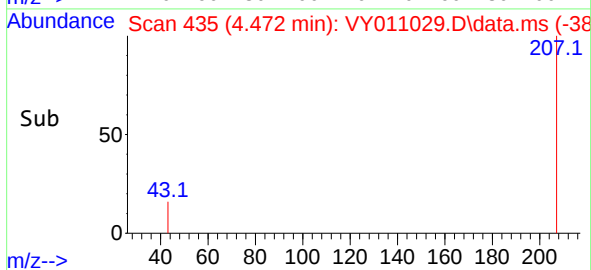
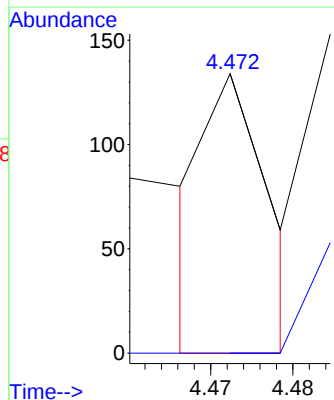
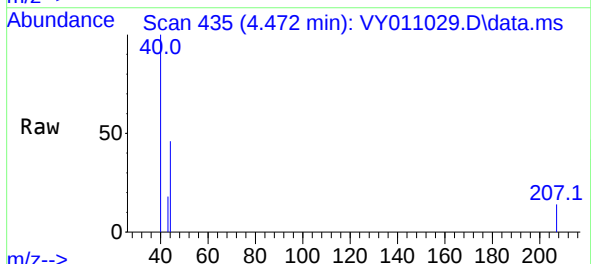
Instrument :
MSVOA_Y
ClientSampleId :
LSP-SS-05-08-13

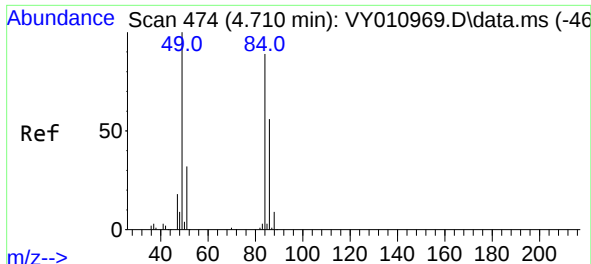
Tgt Ion: 43 Resp: 55182
Ion Ratio Lower Upper
43 100
58 33.4 22.0 33.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.472 min Scan# 435
Delta R.T. -0.001 min
Lab File: VY011029.D
Acq: 20 Oct 2022 16:43

Tgt Ion: 43 Resp: 71
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#

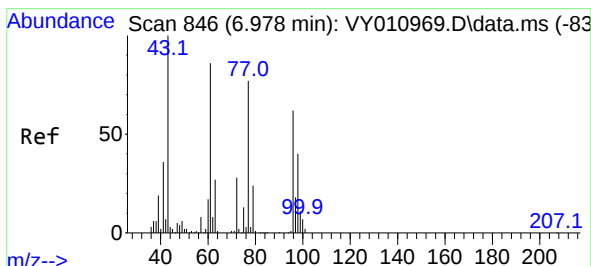
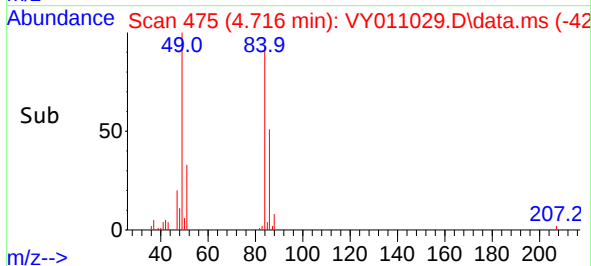
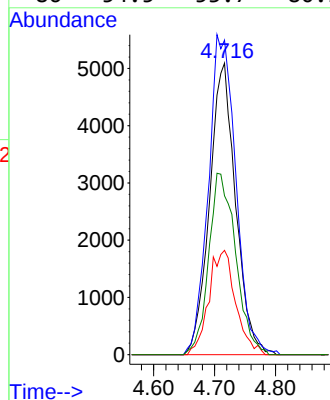
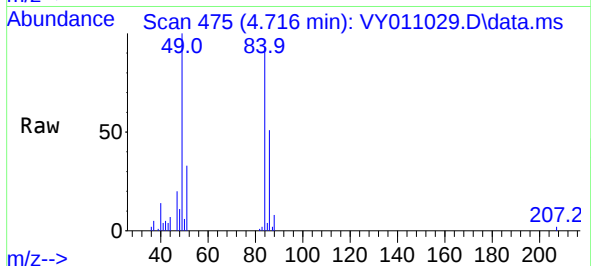




#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY011029.D
Acq: 20 Oct 2022 16:43

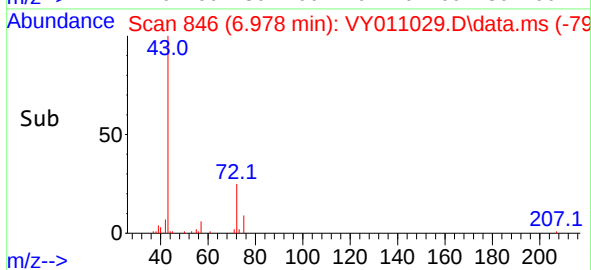
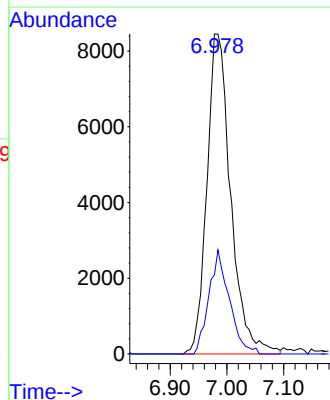
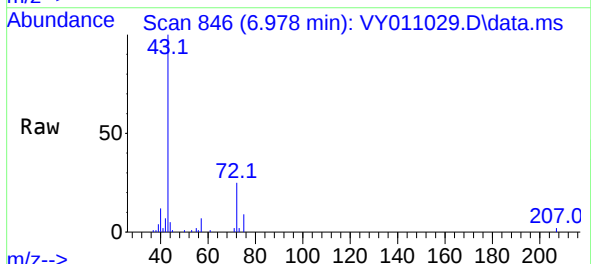
Instrument :
MSVOA_Y
ClientSampleId :
LSP-SS-05-08-13

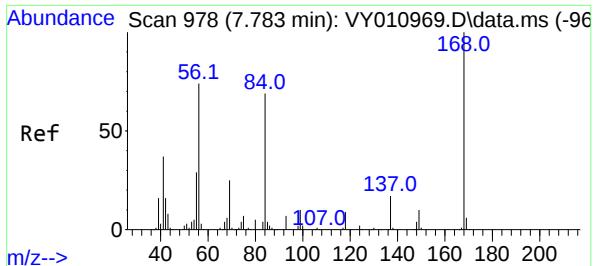
Tgt Ion: 84 Resp: 15168
Ion Ratio Lower Upper
84 100
49 107.9 114.4 171.6#
51 35.8 35.3 52.9
86 54.5 53.7 80.5



#25
2-Butanone
Concen: 21.789 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY011029.D
Acq: 20 Oct 2022 16:43

Tgt Ion: 43 Resp: 24618
Ion Ratio Lower Upper
43 100
72 24.7 17.7 26.5

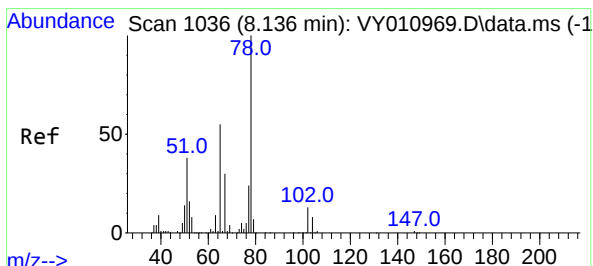
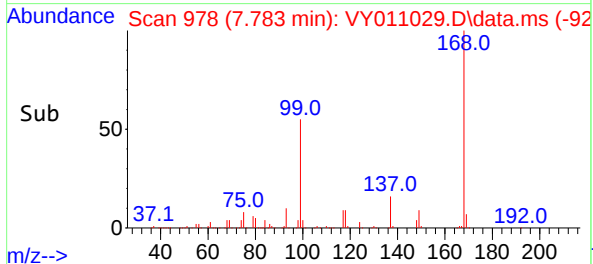
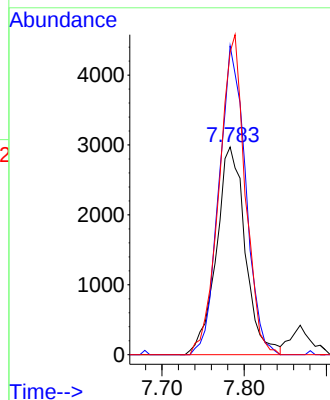
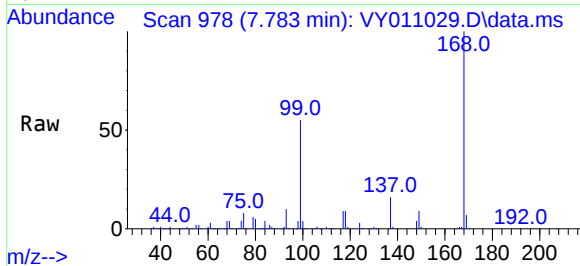




#31
Cyclohexane
Concen: 1.479 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011029.D
Acq: 20 Oct 2022 16:43

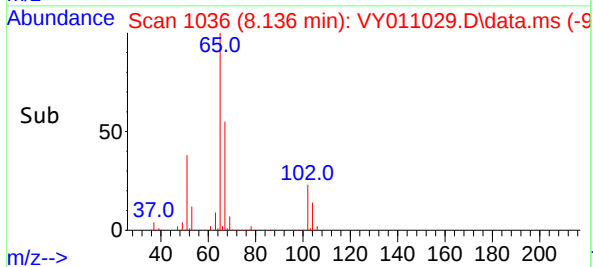
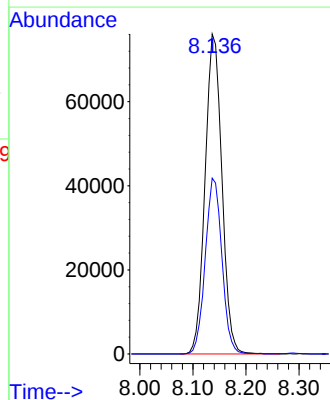
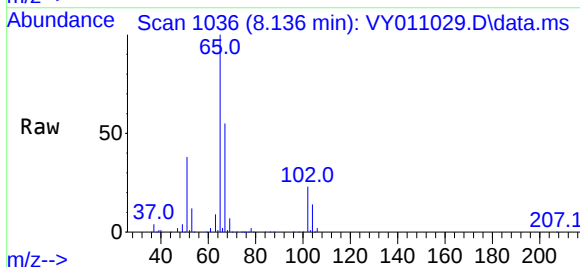
Instrument :
MSVOA_Y
ClientSampleId :
LSP-SS-05-08-13

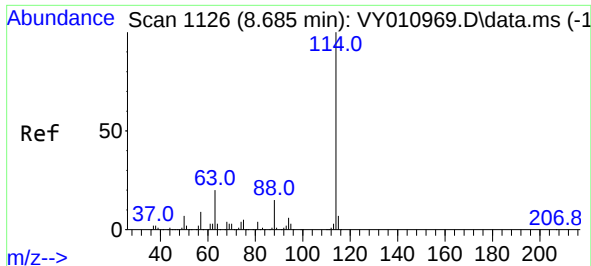
Tgt Ion: 56 Resp: 7262
Ion Ratio Lower Upper
56 100
69 148.7 26.7 40.1#
84 145.6 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 65.334 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY011029.D
Acq: 20 Oct 2022 16:43

Tgt Ion: 65 Resp: 167620
Ion Ratio Lower Upper
65 100
67 54.3 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: VY011029.D

Acq: 20 Oct 2022 16:43

Instrument :

MSVOA_Y

ClientSampleId :

LSP-SS-05-08-13

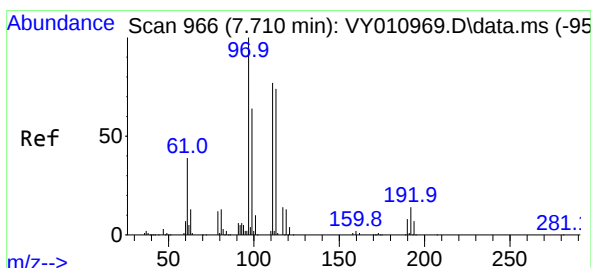
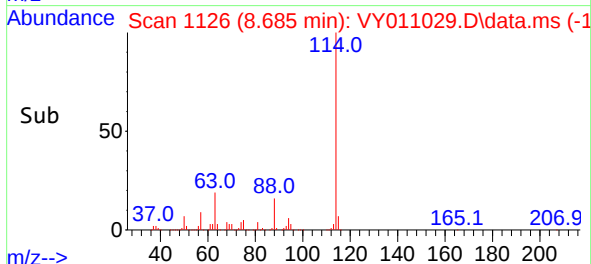
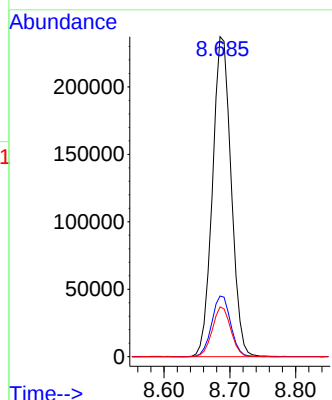
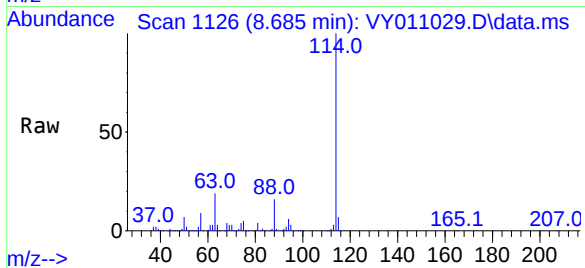
Tgt Ion:114 Resp: 468543

Ion Ratio Lower Upper

114 100

63 19.0 0.0 43.2

88 15.5 0.0 31.8



#35

Dibromofluoromethane

Concen: 65.930 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.006 min

Lab File: VY011029.D

Acq: 20 Oct 2022 16:43

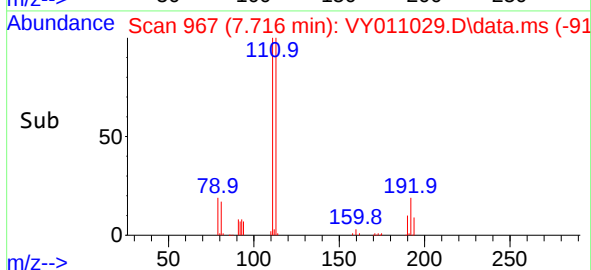
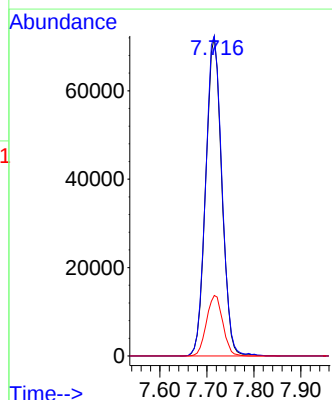
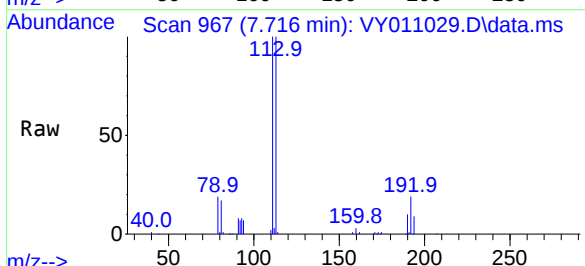
Tgt Ion:113 Resp: 170402

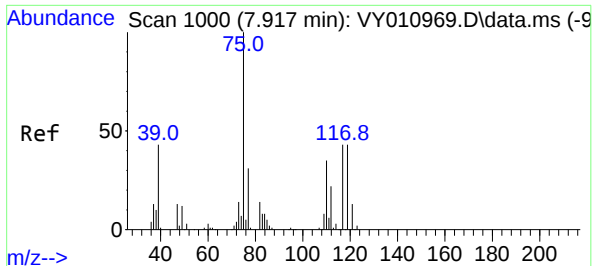
Ion Ratio Lower Upper

113 100

111 101.9 82.6 124.0

192 19.3 17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.745 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY011029.D

Acq: 20 Oct 2022 16:43

Instrument :

MSVOA_Y

ClientSampleId :

LSP-SS-05-08-13

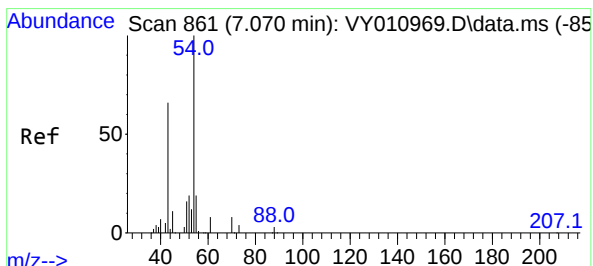
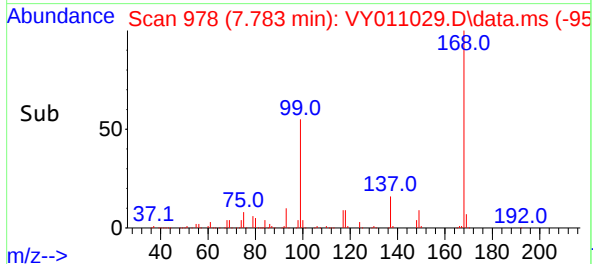
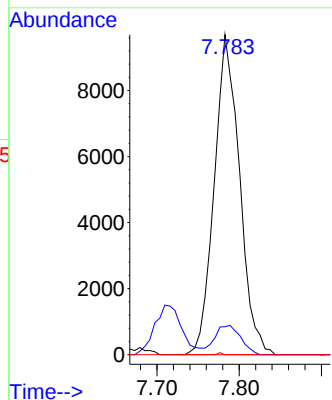
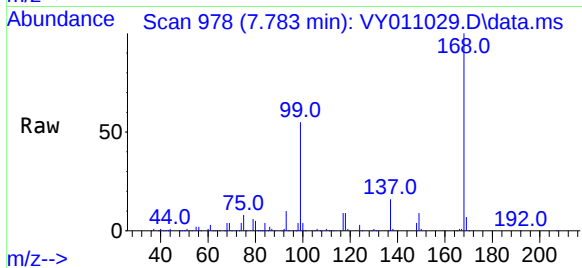
Tgt Ion: 75 Resp: 20695

Ion Ratio Lower Upper

75 100

110 9.3 17.1 51.2#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 10.194 ug/l

RT: 6.978 min Scan# 846

Delta R.T. -0.092 min

Lab File: VY011029.D

Acq: 20 Oct 2022 16:43

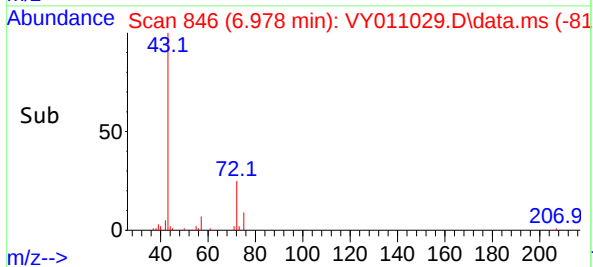
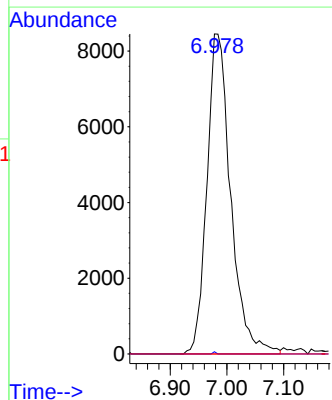
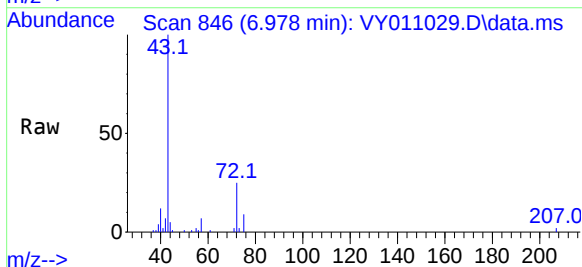
Tgt Ion: 43 Resp: 24618

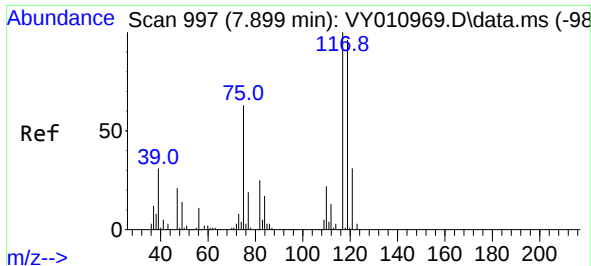
Ion Ratio Lower Upper

43 100

61 0.1 9.7 14.5#

70 0.0 7.1 10.7#

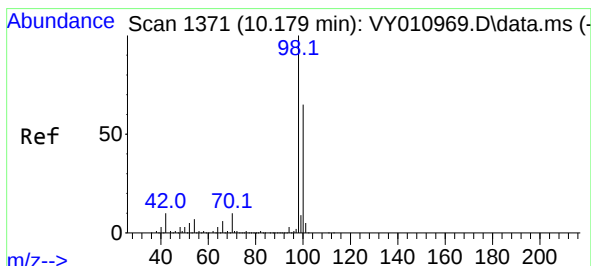
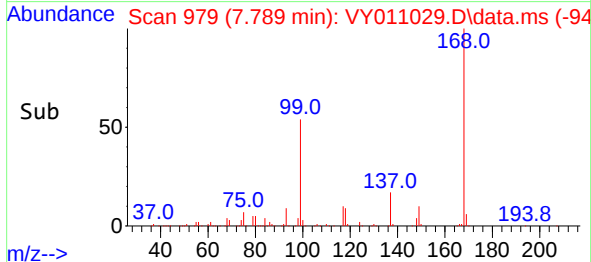
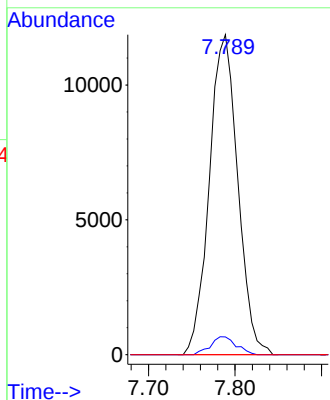
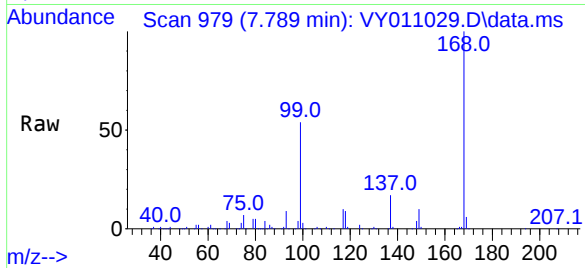




#38
Carbon Tetrachloride
Concen: 6.017 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY011029.D
Acq: 20 Oct 2022 16:43

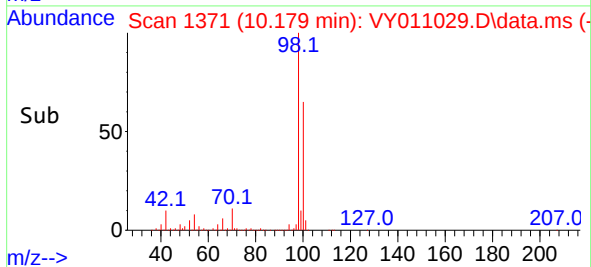
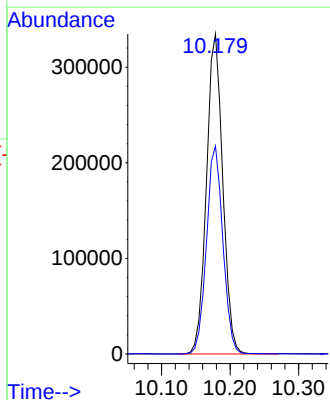
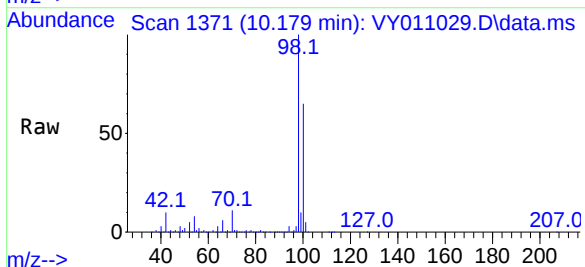
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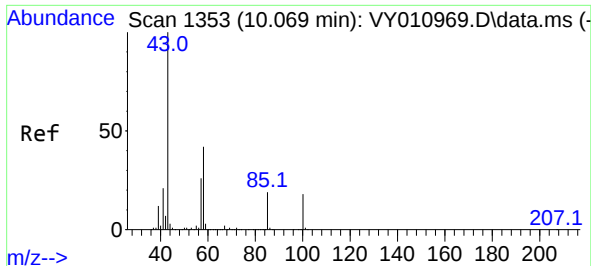
Tgt Ion:117 Resp: 27091
Ion Ratio Lower Upper
117 100
119 5.5 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 56.557 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011029.D
Acq: 20 Oct 2022 16:43

Tgt Ion: 98 Resp: 553303
Ion Ratio Lower Upper
98 100
100 65.4 50.2 75.2

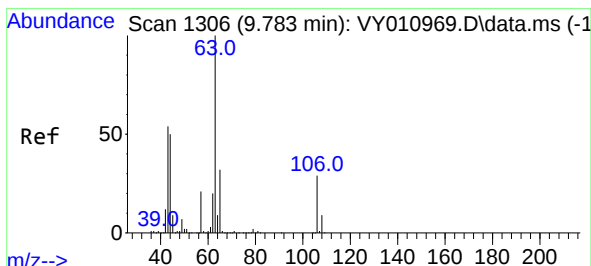
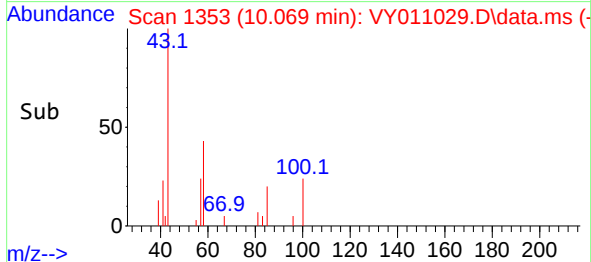
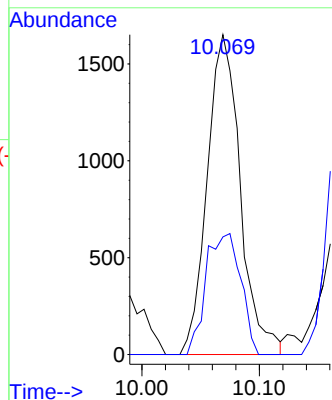
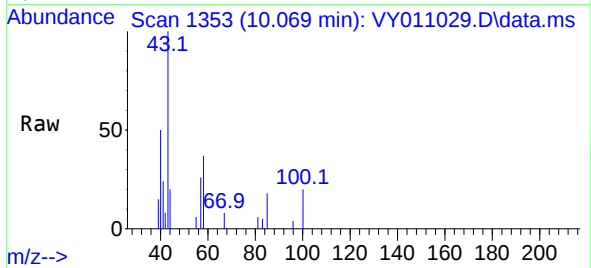




#51
4-Methyl-2-Pentanone
Concen: 1.347 ug/l
RT: 10.069 min Scan# 1353
Delta R.T. -0.000 min
Lab File: VY011029.D
Acq: 20 Oct 2022 16:43

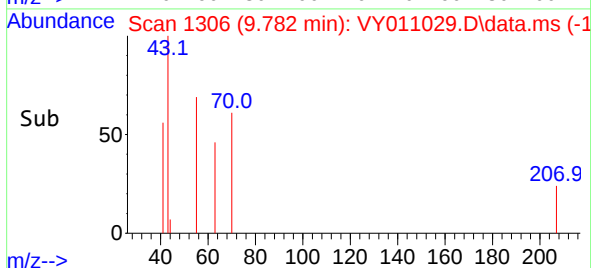
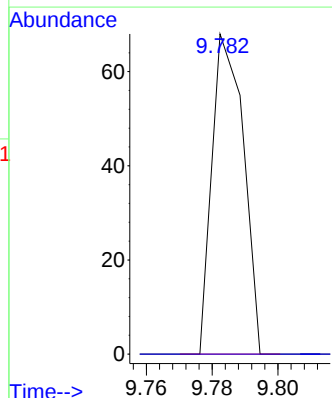
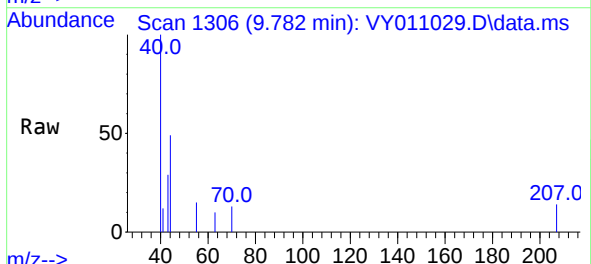
Instrument : MSVOA_Y
ClientSampleId : LSP-SS-05-08-13

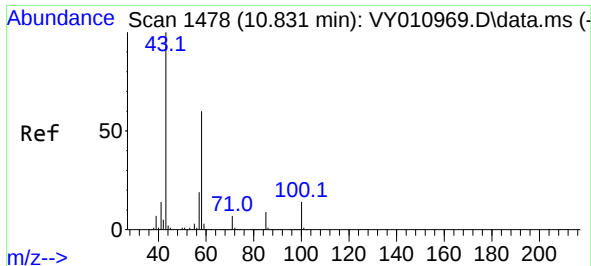
Tgt Ion: 43 Resp: 3240
Ion Ratio Lower Upper
43 100
58 39.5 28.1 42.1



#58
2-Chloroethyl Vinyl ether
Concen: 16.985 ug/l
RT: 9.782 min Scan# 1306
Delta R.T. -0.001 min
Lab File: VY011029.D
Acq: 20 Oct 2022 16:43

Tgt Ion: 63 Resp: 45
Ion Ratio Lower Upper
63 100
106 0.0 21.5 32.3#

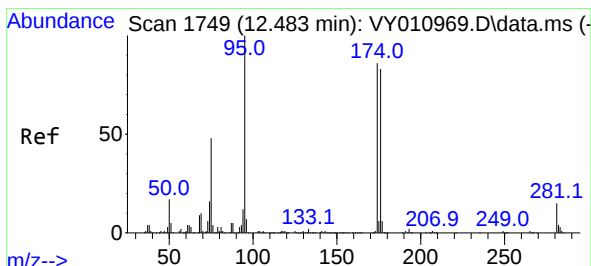
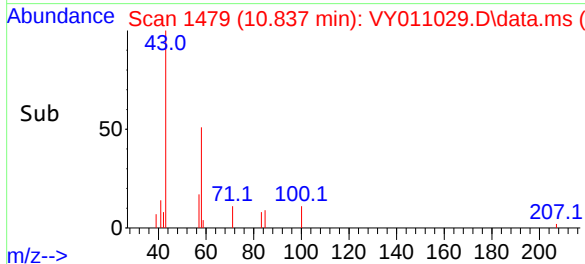
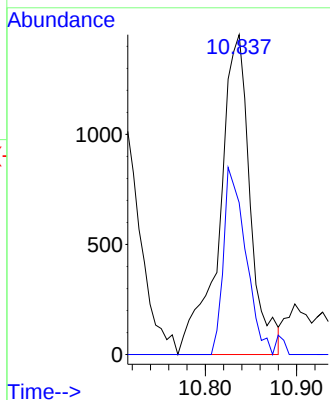
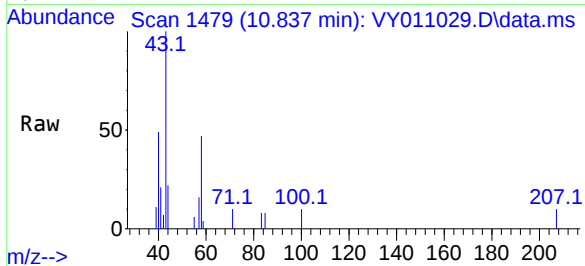




#59
2-Hexanone
Concen: 2.052 ug/l
RT: 10.837 min Scan# 1478
Delta R.T. 0.006 min
Lab File: VY011029.D
Acq: 20 Oct 2022 16:43

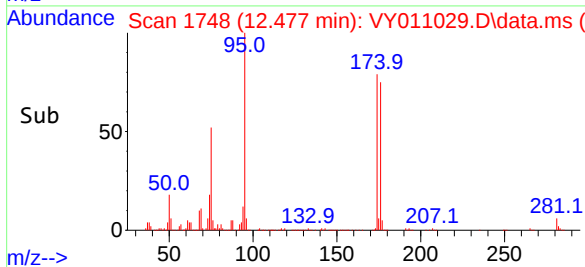
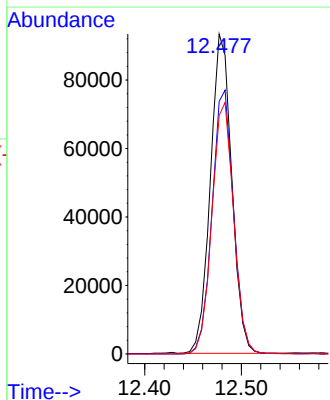
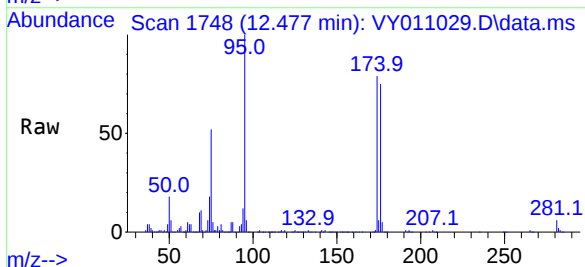
Instrument :
MSVOA_Y
ClientSampleId :
LSP-SS-05-08-13

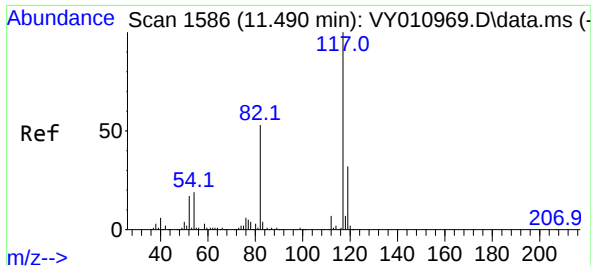
Tgt Ion: 43 Resp: 3391
Ion Ratio Lower Upper
43 100
58 42.3 24.4 73.4



#62
4-Bromofluorobenzene
Concen: 40.677 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY011029.D
Acq: 20 Oct 2022 16:43

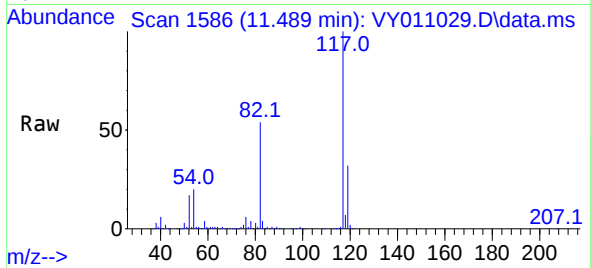
Tgt Ion: 95 Resp: 142950
Ion Ratio Lower Upper
95 100
174 83.1 0.0 177.0
176 80.2 0.0 175.8



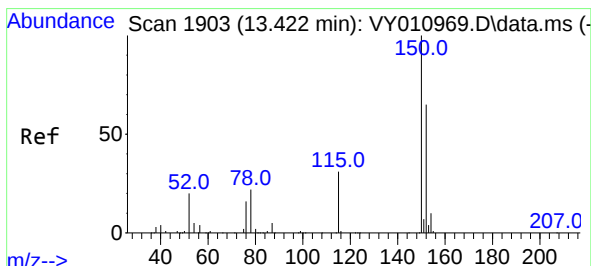
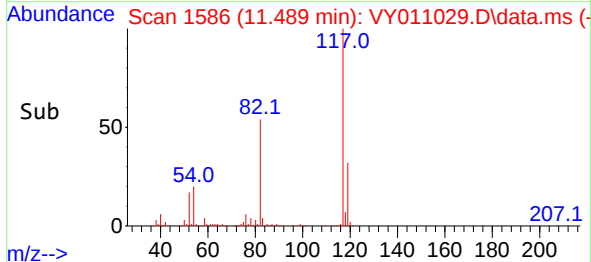
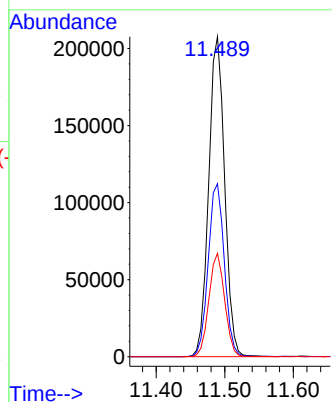


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY011029.D
Acq: 20 Oct 2022 16:43

Instrument :
MSVOA_Y
ClientSampleId :
LSP-SS-05-08-13

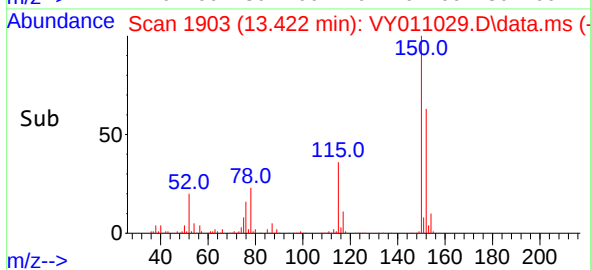
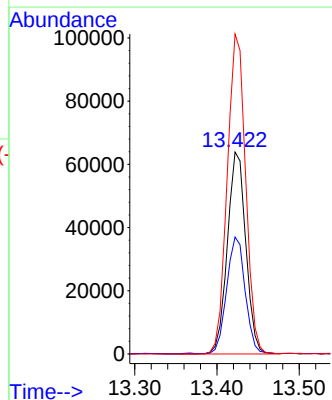
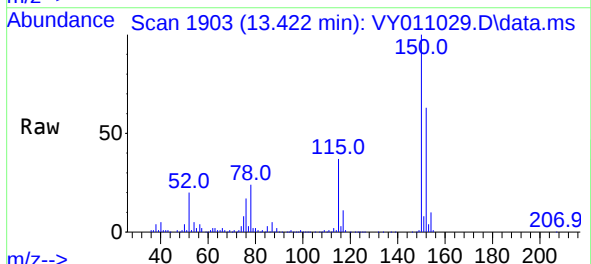


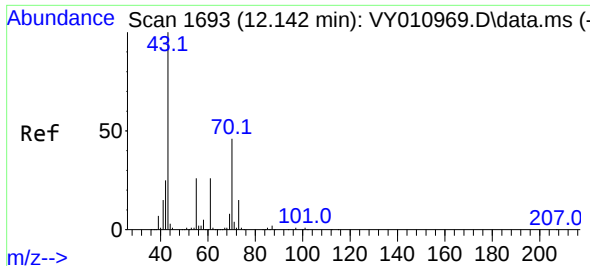
Tgt Ion:117 Resp: 336739
Ion Ratio Lower Upper
117 100
82 54.1 43.0 64.4
119 32.3 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY011029.D
Acq: 20 Oct 2022 16:43

Tgt Ion:152 Resp: 99858
Ion Ratio Lower Upper
152 100
115 57.6 28.2 84.7
150 157.8 0.0 347.6

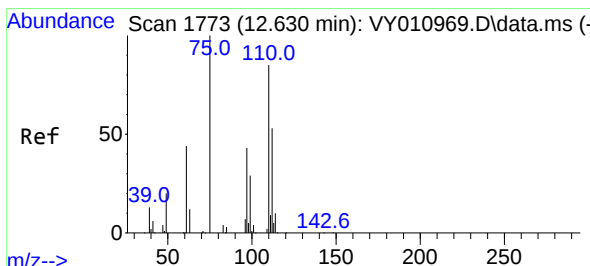
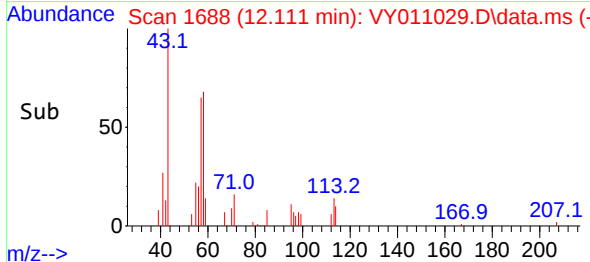
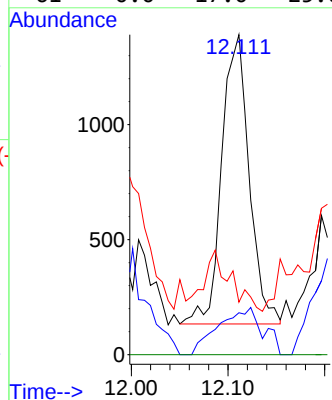
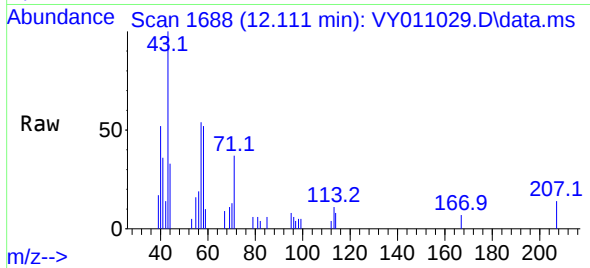




#74
N-amy1 acetate
Concen: 1.346 ug/l
RT: 12.111 min Scan# 1
Delta R.T. -0.031 min
Lab File: VY011029.D
Acq: 20 Oct 2022 16:43

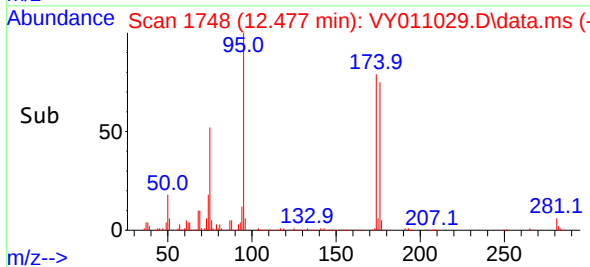
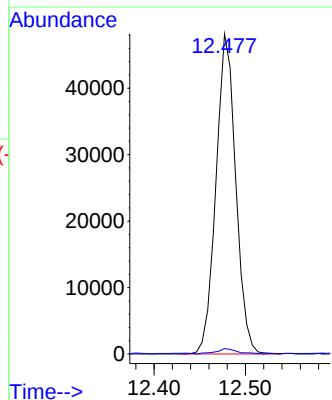
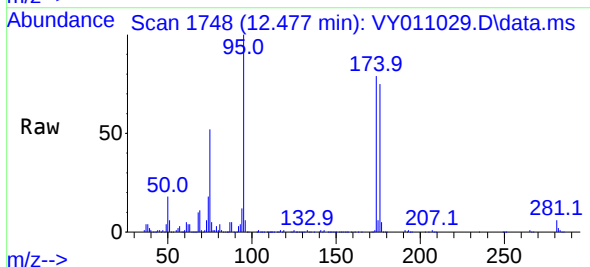
Instrument :
MSVOA_Y
ClientSampleId :
LSP-SS-05-08-13

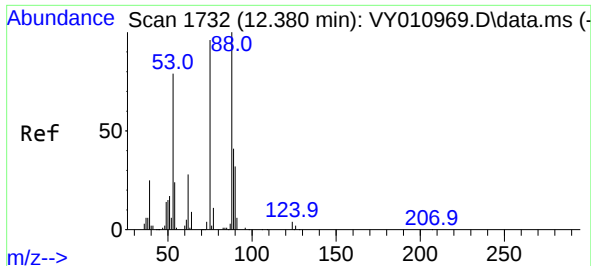
Tgt Ion:	43	Resp:	2477
Ion	Ratio	Lower	Upper
43	100		
70	26.2	28.7	43.1#
55	0.0	17.3	25.9#
61	0.0	17.0	25.6#



#76
1,2,3-Trichloropropane
Concen: 63.860 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY011029.D
Acq: 20 Oct 2022 16:43

Tgt Ion:	75	Resp:	72398
Ion	Ratio	Lower	Upper
75	100		
77	1.8	0.0	0.0#

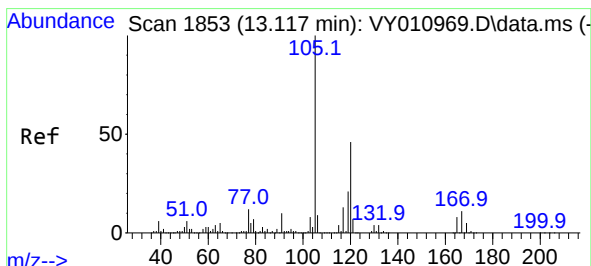
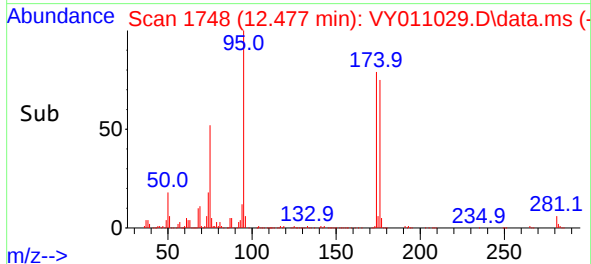
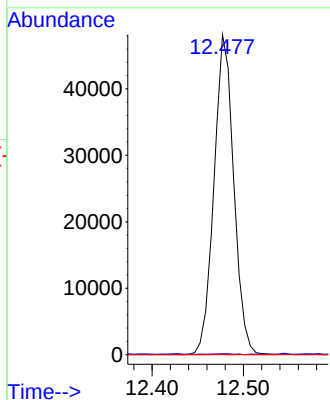
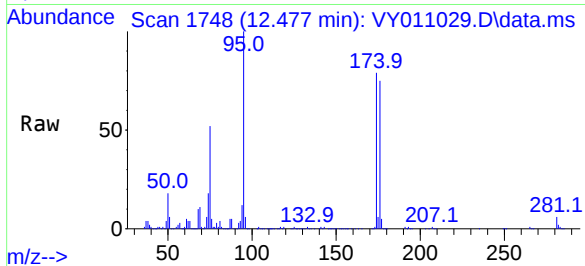




#81
trans-1,4-Dichloro-2-butene
Concen: 137.344 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.097 min
Lab File: VY011029.D
Acq: 20 Oct 2022 16:43

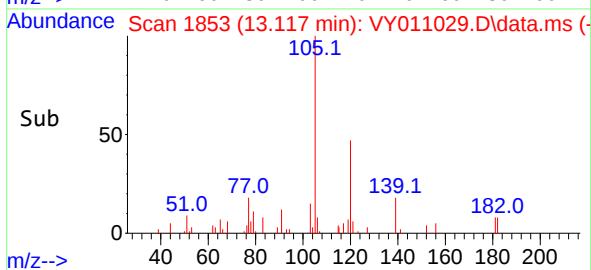
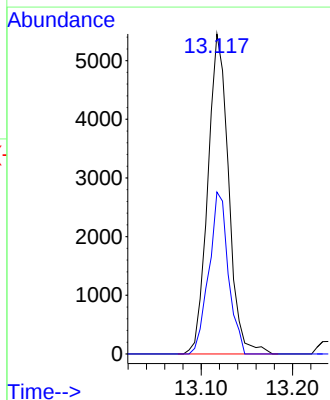
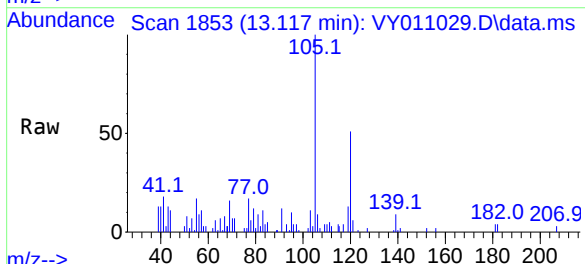
Instrument :
MSVOA_Y
ClientSampleId :
LSP-SS-05-08-13

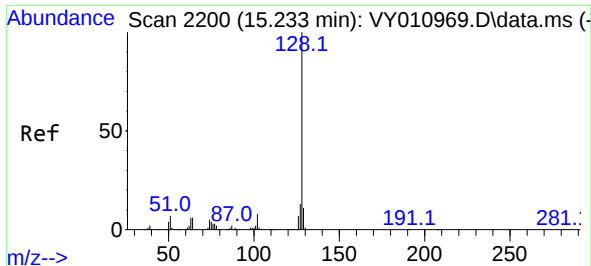
Tgt Ion: 75 Resp: 72398
Ion Ratio Lower Upper
75 100
53 0.4 85.3 127.9#
89 0.1 37.0 55.4#



#84
1,2,4-Trimethylbenzene
Concen: 1.439 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VY011029.D
Acq: 20 Oct 2022 16:43

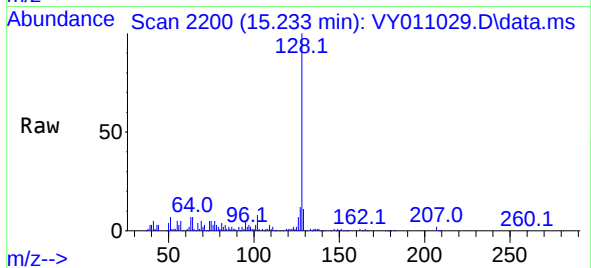
Tgt Ion:105 Resp: 8592
Ion Ratio Lower Upper
105 100
120 47.2 22.3 66.9





#95
Naphthalene
Concen: 15.791 ug/l
RT: 15.233 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY011029.D
Acq: 20 Oct 2022 16:43

Instrument :
MSVOA_Y
ClientSampleId :
LSP-SS-05-08-13



Tgt Ion:	128	Resp:	58197
Ion	Ratio	Lower	Upper
128	100		
127	12.7	11.0	16.4
129	10.7	8.4	12.6

