

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091622\
 Data File : VY010528.D
 Acq On : 16 Sep 2022 12:10
 Operator : KP/MD
 Sample : N4509-04
 Misc : 5.59g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 S1-SO_115D-20220902

Quant Time: Sep 17 00:28:00 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090922S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 09 17:08:30 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

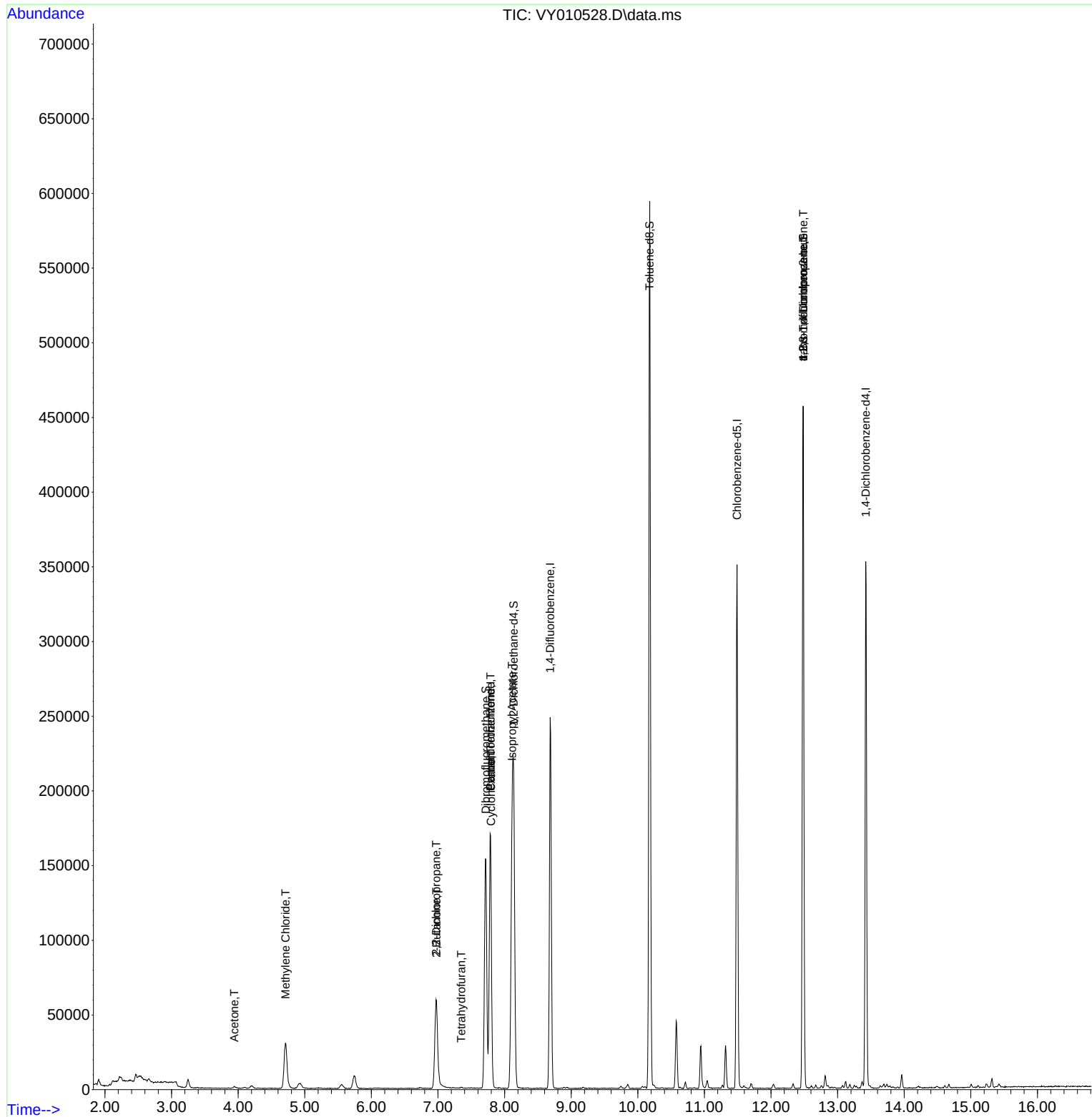
Internal Standards						
1) Pentafluorobenzene	7.789	168	135344	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	216753	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	191645	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	93954	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	109681	80.462	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 160.920%	
35) Dibromofluoromethane	7.716	113	110122	71.536	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 143.080%	
50) Toluene-d8	10.179	98	388527	77.876	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 155.760%#	
62) 4-Bromofluorobenzene	12.483	95	133858	70.172	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 140.340%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	2888	Below Cal		94
11) Tert butyl alcohol	4.924	59	3901	Below Cal	#	77
16) Acetone	3.942	43	2259	7.221	ug/l	100
20) Methylene Chloride	4.710	84	23875	10.307	ug/l #	79
25) 2-Butanone	6.978	43	3535	7.111	ug/l #	86
26) 2,2-Dichloropropane	6.972	77	4589	1.893	ug/l #	55
29) Tetrahydrofuran	7.350	42	383	1.234	ug/l #	91
31) Cyclohexane	7.795	56	2904	1.261	ug/l #	30
38) Carbon Tetrachloride	7.789	117	13198	5.629	ug/l #	14
43) Isopropyl Acetate	8.112	43	3922	1.934	ug/l #	3
58) 2-Chloroethyl Vinyl ether	9.795	63	84	Below Cal	#	48
76) 1,2,3-Trichloropropane	12.483	75	67854	65.437	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	67854	145.293	ug/l #	7

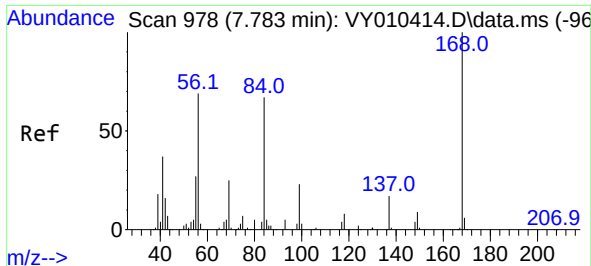
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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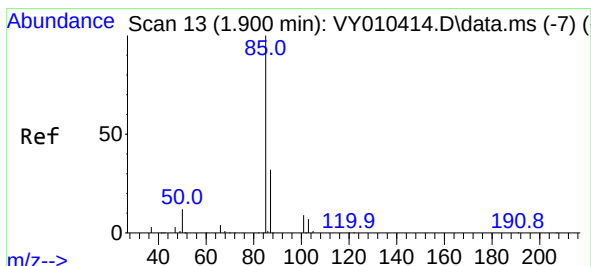
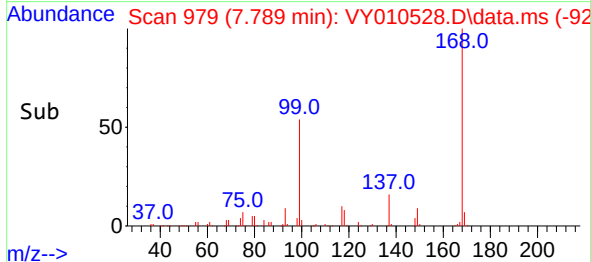
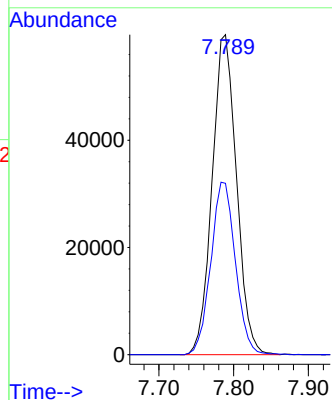
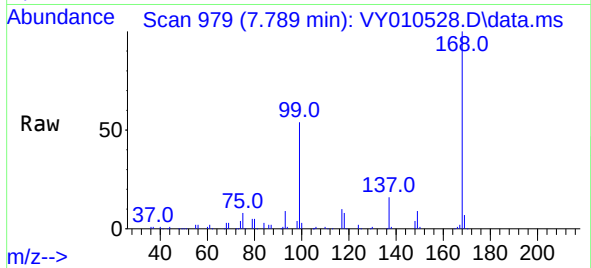




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010528.D
Acq: 16 Sep 2022 12:10

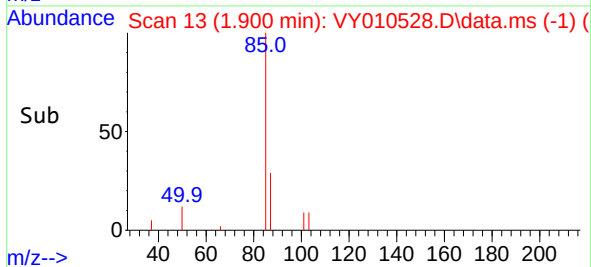
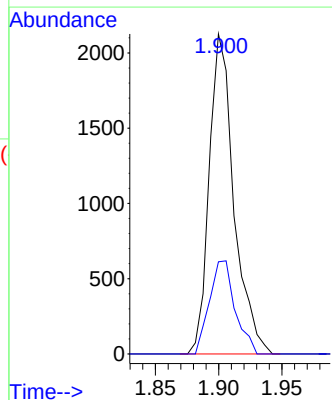
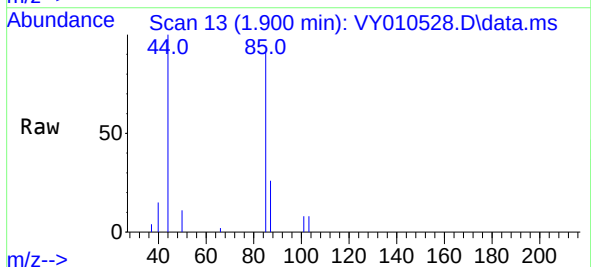
Instrument :
MSVOA_Y
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S1-SO_115D-20220902

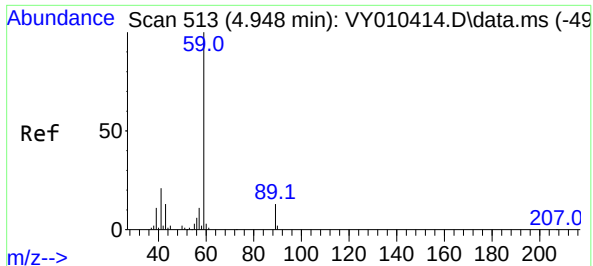
Tgt Ion:168 Resp: 135344
Ion Ratio Lower Upper
168 100
99 53.5 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY010528.D
Acq: 16 Sep 2022 12:10

Tgt Ion: 85 Resp: 2888
Ion Ratio Lower Upper
85 100
87 28.8 16.1 48.2

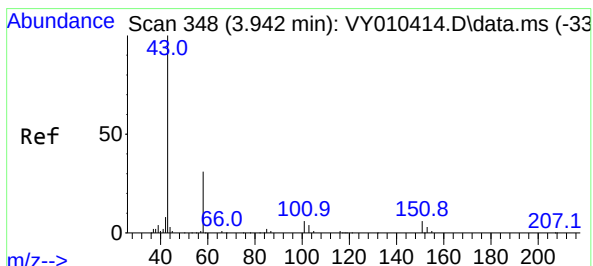
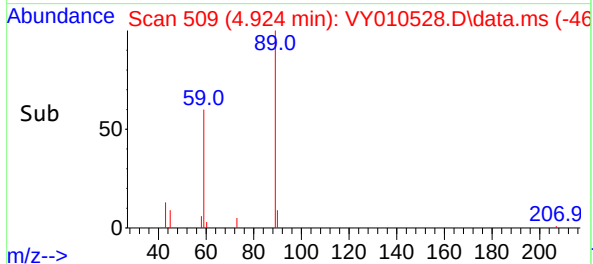
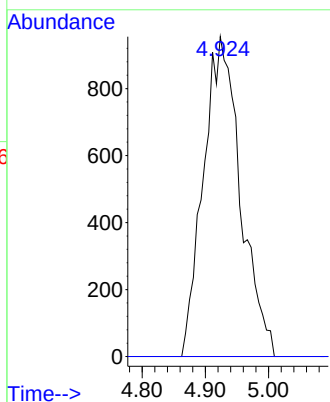
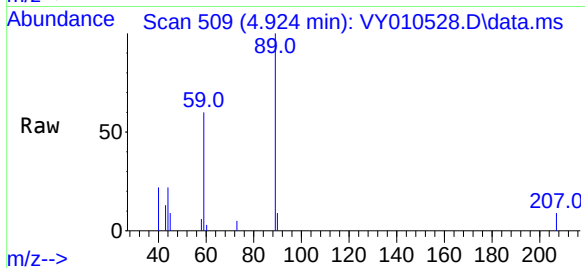




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.924 min Scan# 509
Delta R.T. -0.024 min
Lab File: VY010528.D
Acq: 16 Sep 2022 12:10

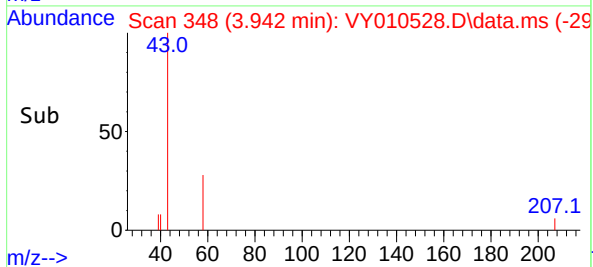
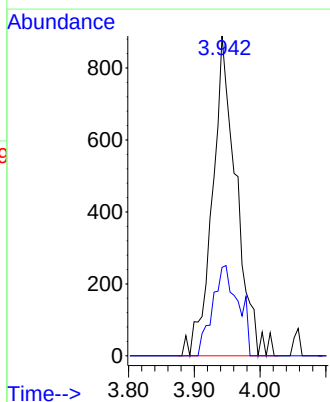
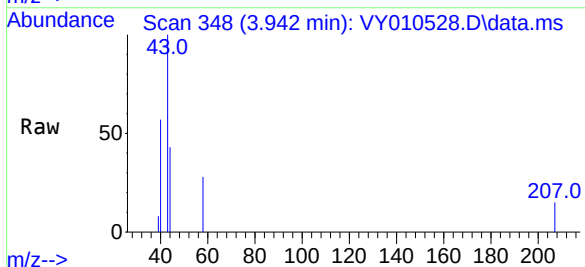
Instrument :
MSVOA_Y
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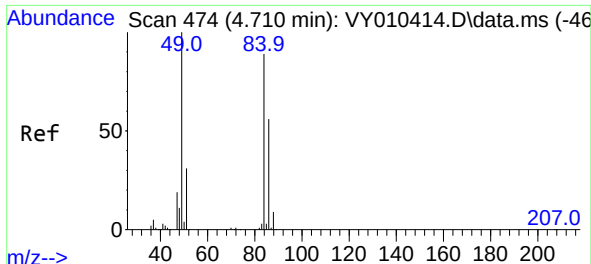
Tgt Ion: 59 Resp: 3901
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#



#16
Acetone
Concen: 7.221 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY010528.D
Acq: 16 Sep 2022 12:10

Tgt Ion: 43 Resp: 2259
Ion Ratio Lower Upper
43 100
58 27.7 22.0 33.0

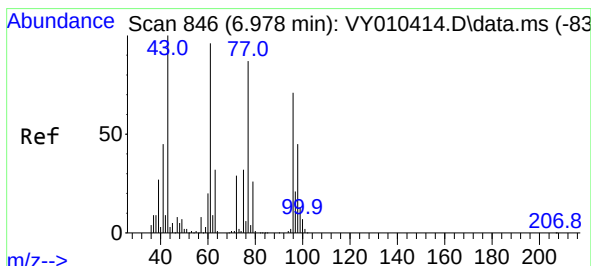
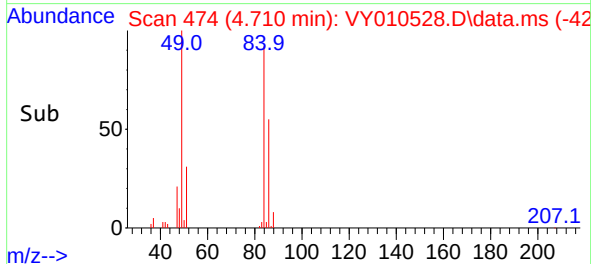
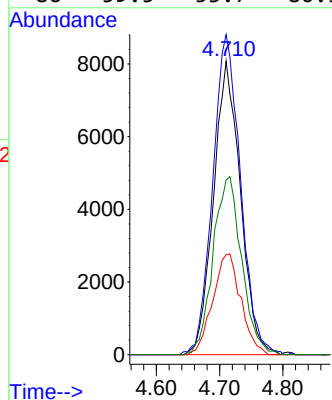
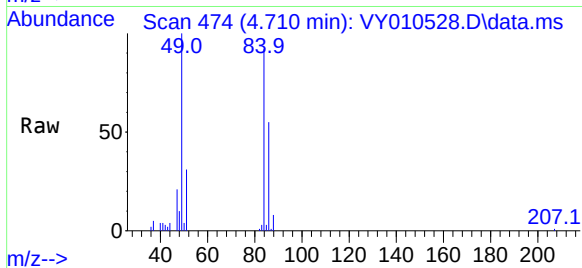




#20
Methylene Chloride
Concen: 10.307 ug/l
RT: 4.710 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY010528.D
Acq: 16 Sep 2022 12:10

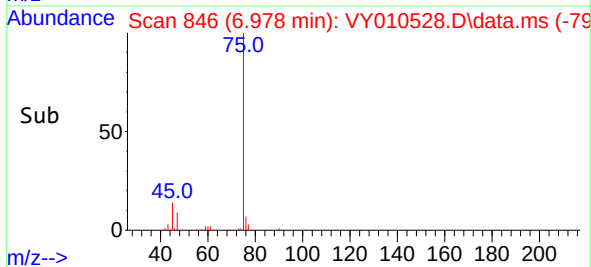
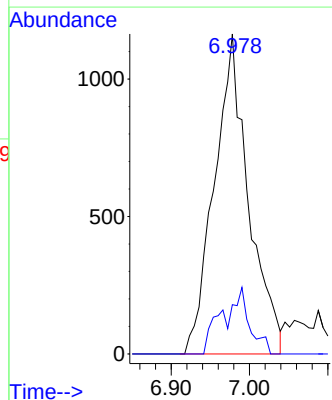
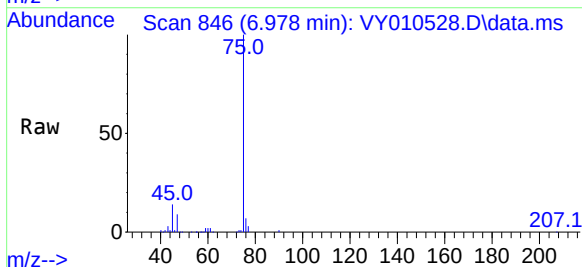
Instrument :
MSVOA_Y
ClientSampleId :
S1-SO_115D-20220902

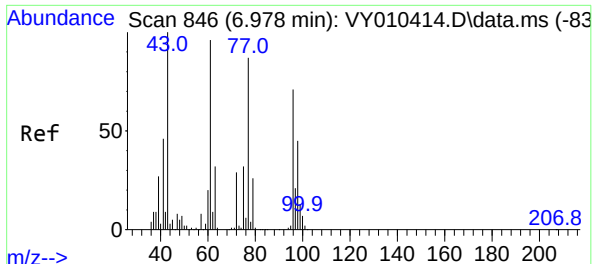
Tgt Ion:	84	Resp:	23875
Ion	Ratio	Lower	Upper
84	100		
49	109.0	114.4	171.6#
51	34.0	35.3	52.9#
86	59.5	53.7	80.5



#25
2-Butanone
Concen: 7.111 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY010528.D
Acq: 16 Sep 2022 12:10

Tgt Ion:	43	Resp:	3535
Ion	Ratio	Lower	Upper
43	100		
72	15.4	17.7	26.5#





#26

2,2-Dichloropropane

Concen: 1.893 ug/l

RT: 6.972 min Scan# 846

Delta R.T. -0.006 min

Lab File: VY010528.D

Acq: 16 Sep 2022 12:10

Instrument :

MSVOA_Y

ClientSampleId :

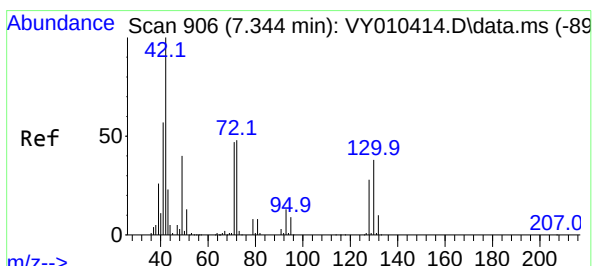
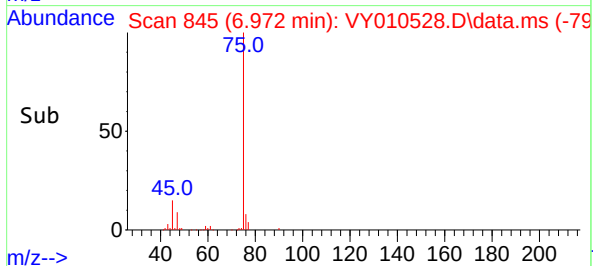
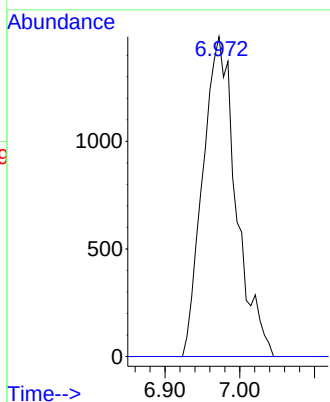
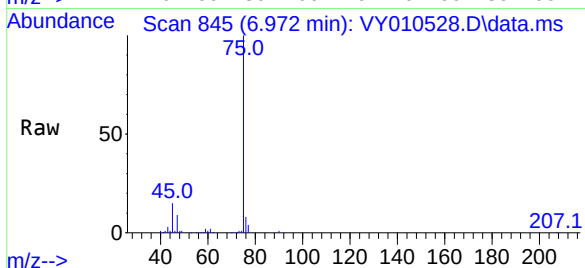
S1-SO_115D-20220902

Tgt Ion: 77 Resp: 4589

Ion Ratio Lower Upper

77 100

97 0.0 10.4 31.4#



#29

Tetrahydrofuran

Concen: 1.234 ug/l

RT: 7.350 min Scan# 907

Delta R.T. 0.006 min

Lab File: VY010528.D

Acq: 16 Sep 2022 12:10

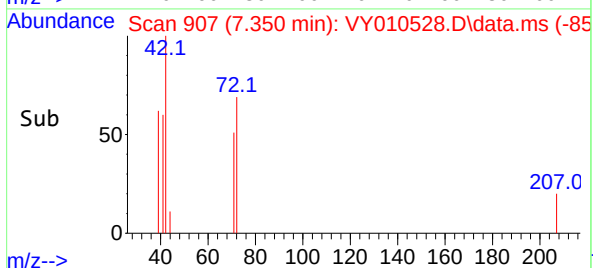
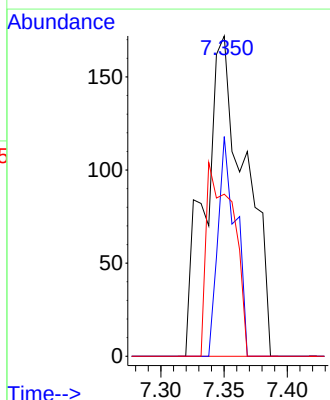
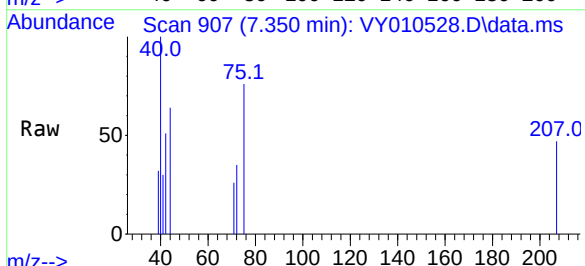
Tgt Ion: 42 Resp: 383

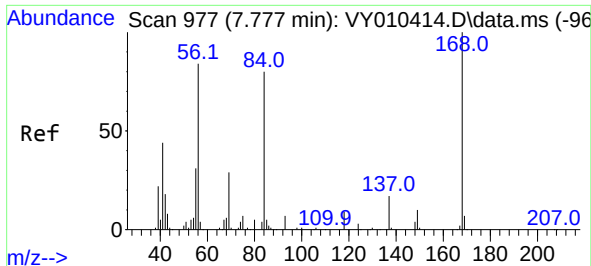
Ion Ratio Lower Upper

42 100

72 30.3 30.3 45.5#

71 39.7 29.0 43.4

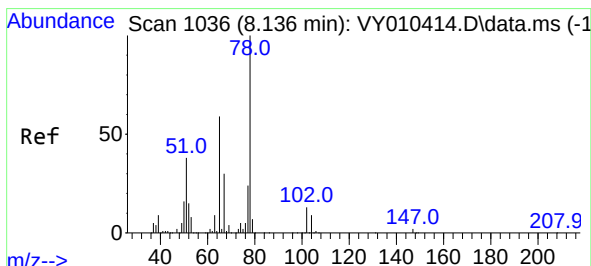
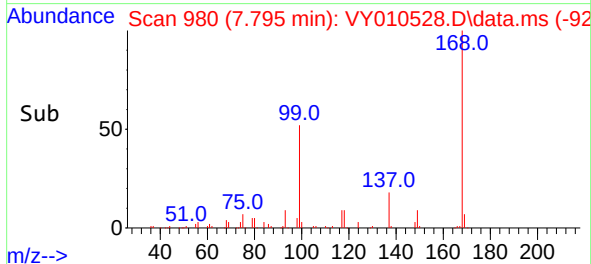
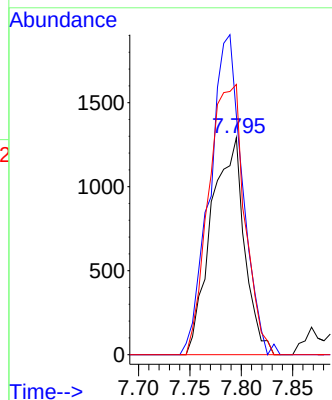
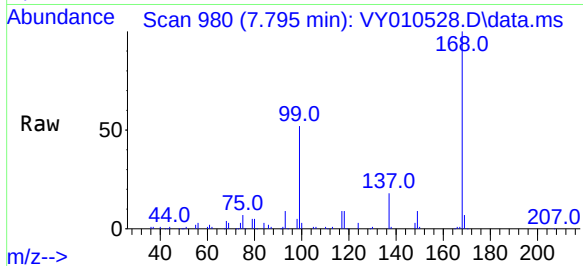




#31
Cyclohexane
Concen: 1.261 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.018 min
Lab File: VY010528.D
Acq: 16 Sep 2022 12:10

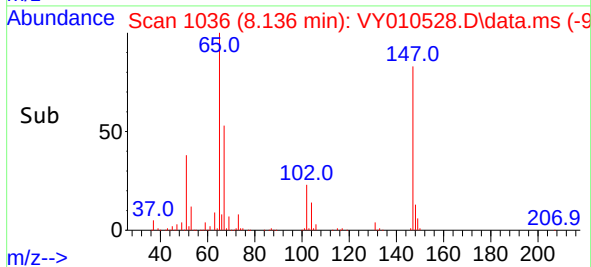
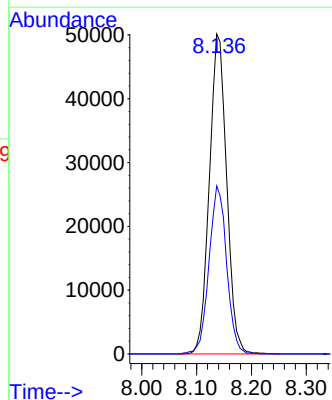
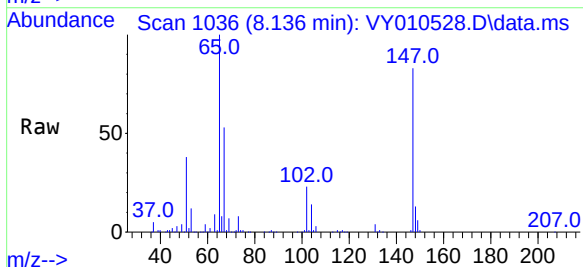
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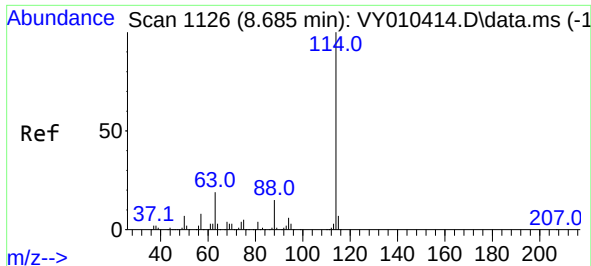
Tgt Ion: 56 Resp: 2904
Ion Ratio Lower Upper
56 100
69 110.3 26.7 40.1#
84 124.5 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 80.462 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.001 min
Lab File: VY010528.D
Acq: 16 Sep 2022 12:10

Tgt Ion: 65 Resp: 109681
Ion Ratio Lower Upper
65 100
67 53.6 0.0 99.4

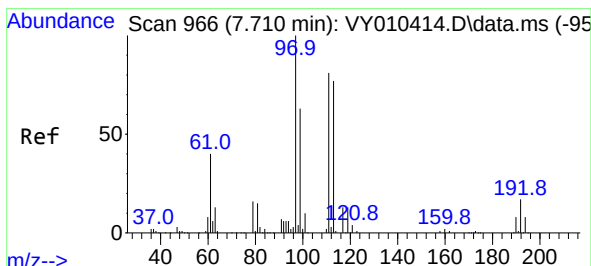
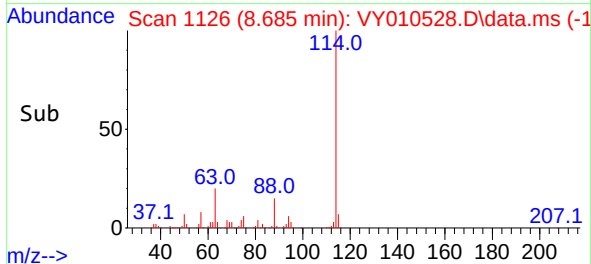
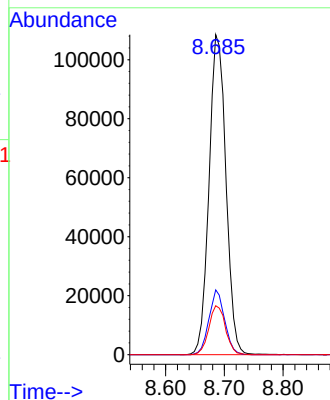
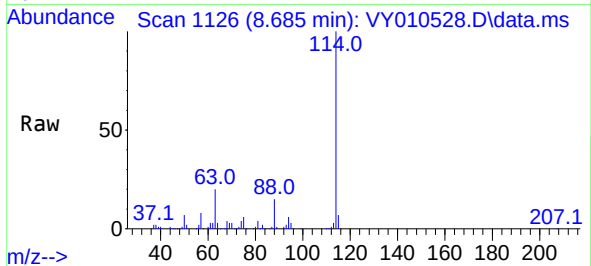




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VY010528.D
Acq: 16 Sep 2022 12:10

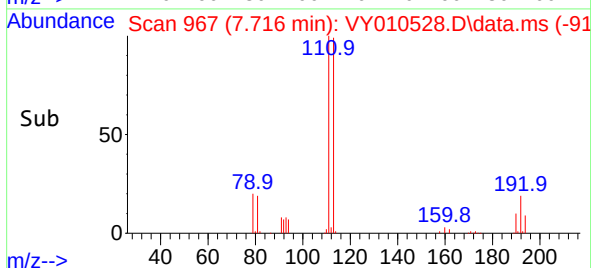
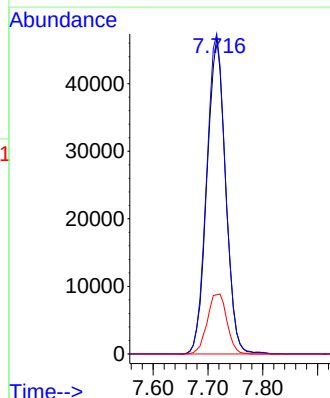
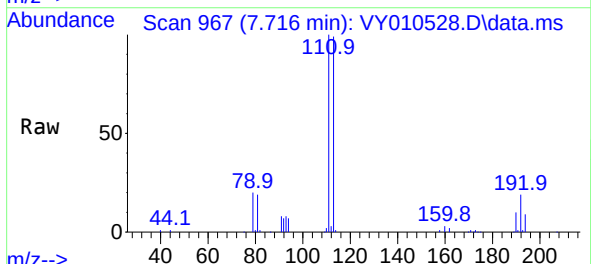
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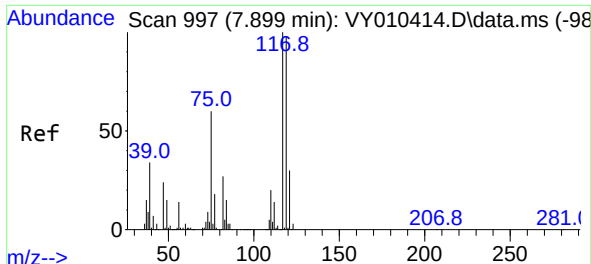
Tgt Ion:	114	Resp:	216753
Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	43.2
88	15.3	0.0	31.8



#35
Dibromofluoromethane
Concen: 71.536 ug/l
RT: 7.716 min Scan# 967
Delta R.T. 0.006 min
Lab File: VY010528.D
Acq: 16 Sep 2022 12:10

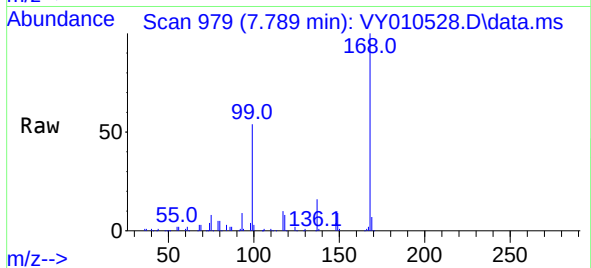
Tgt Ion:	113	Resp:	110122
Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.6	124.0
192	20.0	17.6	26.4



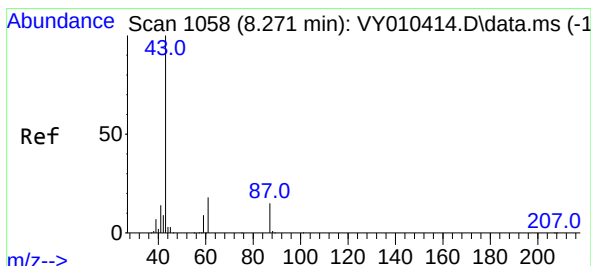
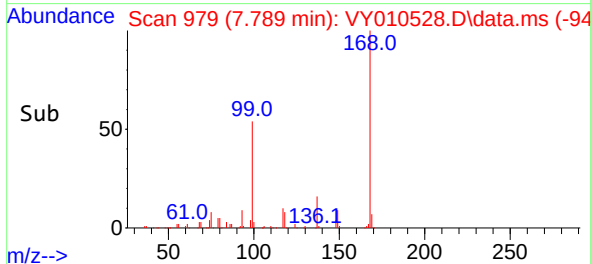
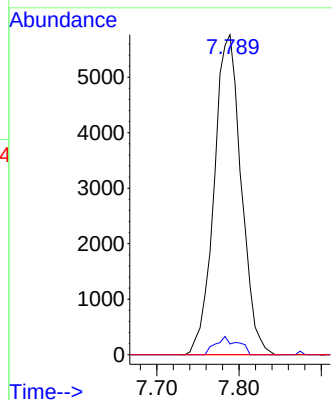


#38
Carbon Tetrachloride
Concen: 5.629 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY010528.D
Acq: 16 Sep 2022 12:10

Instrument :
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ClientSampleId :
S1-SO_115D-20220902

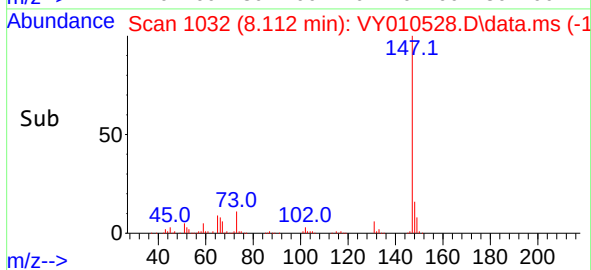
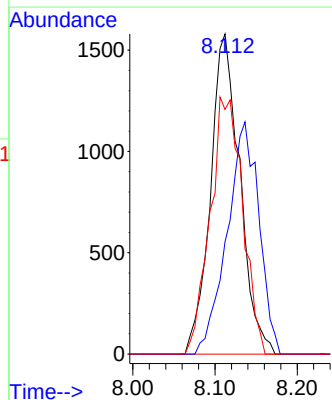
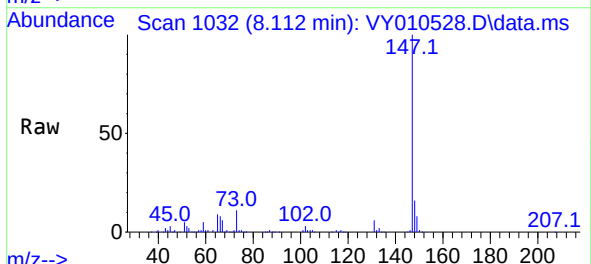


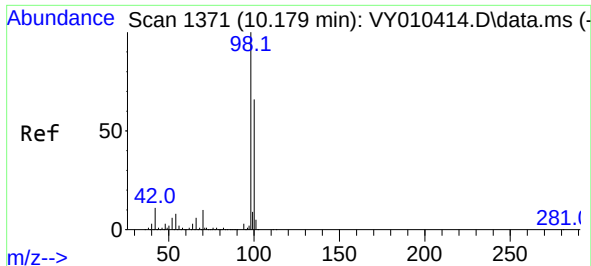
Tgt Ion:117 Resp: 13198
Ion Ratio Lower Upper
117 100
119 3.4 77.9 116.9#
121 0.0 24.8 37.2#



#43
Isopropyl Acetate
Concen: 1.934 ug/l
RT: 8.112 min Scan# 1032
Delta R.T. -0.159 min
Lab File: VY010528.D
Acq: 16 Sep 2022 12:10

Tgt Ion: 43 Resp: 3922
Ion Ratio Lower Upper
43 100
61 0.0 20.2 30.2#
87 88.6 8.9 13.3#

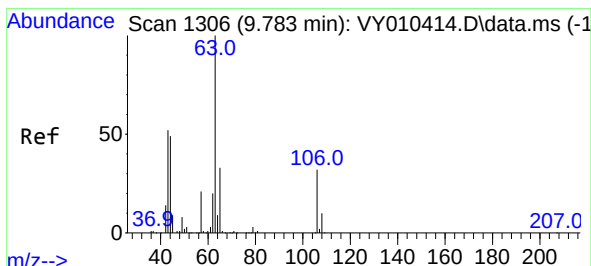
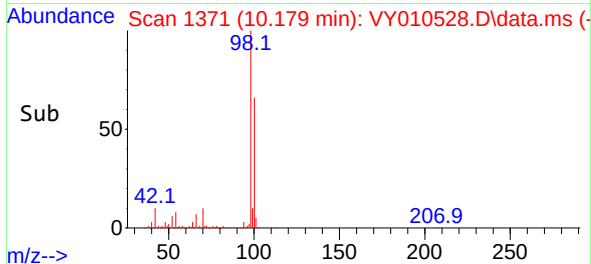
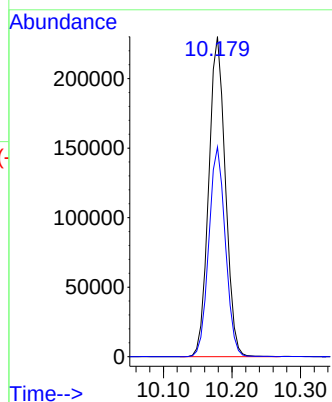
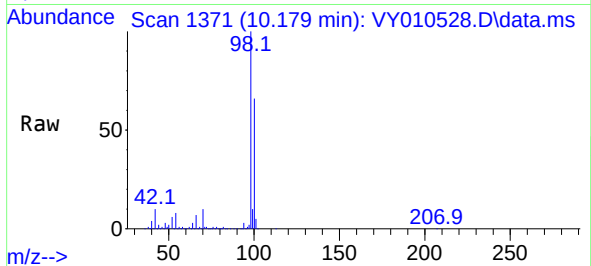




#50
Toluene-d8
Concen: 77.876 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY010528.D
Acq: 16 Sep 2022 12:10

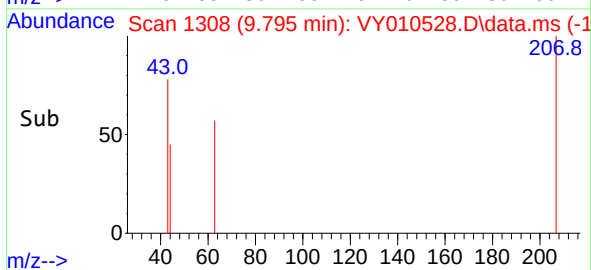
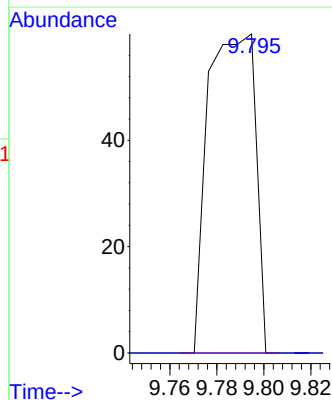
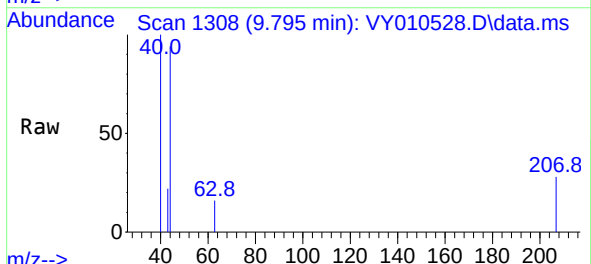
Instrument :
MSVOA_Y
ClientSampleId :
S1-SO_115D-20220902

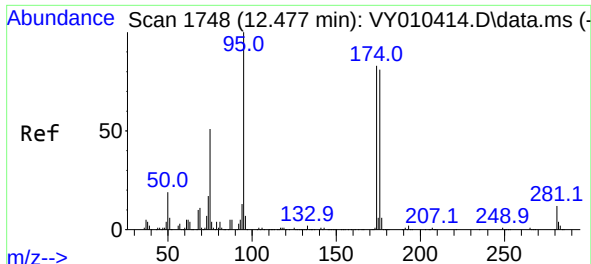
Tgt Ion: 98 Resp: 388527
Ion Ratio Lower Upper
98 100
100 65.1 50.2 75.2



#58
2-Chloroethyl Vinyl ether
Concen: Below Cal
RT: 9.795 min Scan# 1308
Delta R.T. 0.012 min
Lab File: VY010528.D
Acq: 16 Sep 2022 12:10

Tgt Ion: 63 Resp: 84
Ion Ratio Lower Upper
63 100
106 0.0 21.5 32.3#

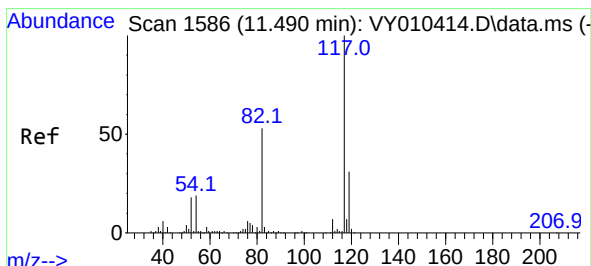
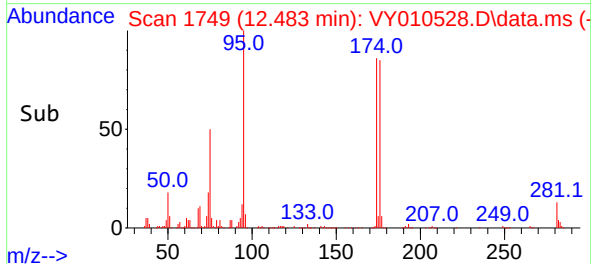
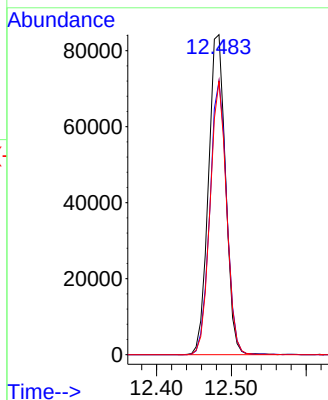
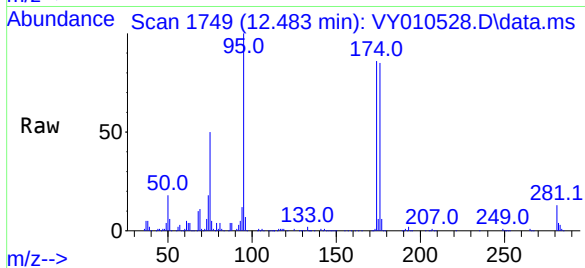




#62
4-Bromofluorobenzene
Concen: 70.172 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY010528.D
Acq: 16 Sep 2022 12:10

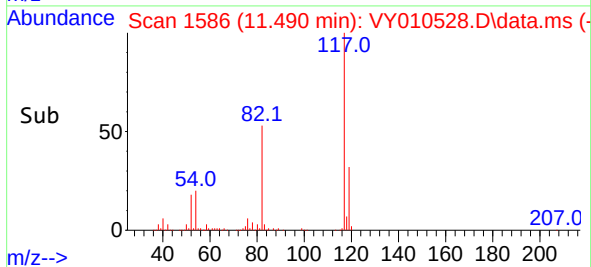
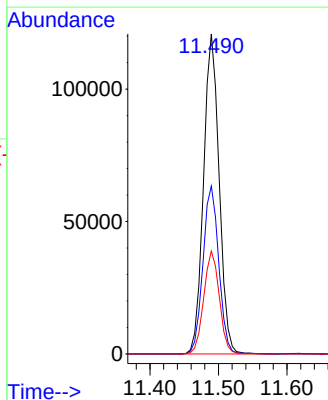
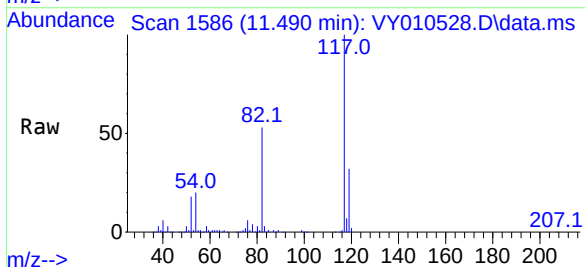
Instrument :
MSVOA_Y
ClientSampleId :
S1-SO_115D-20220902

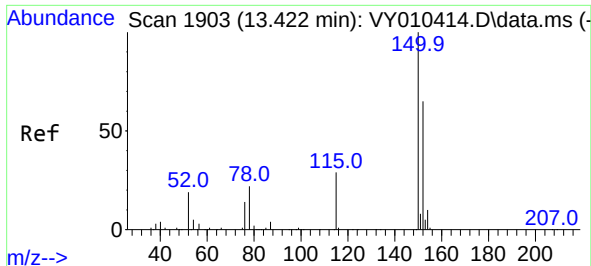
Tgt Ion: 95 Resp: 133858
Ion Ratio Lower Upper
95 100
174 84.1 0.0 177.0
176 82.2 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY010528.D
Acq: 16 Sep 2022 12:10

Tgt Ion: 117 Resp: 191645
Ion Ratio Lower Upper
117 100
82 52.5 43.0 64.4
119 32.2 25.4 38.0

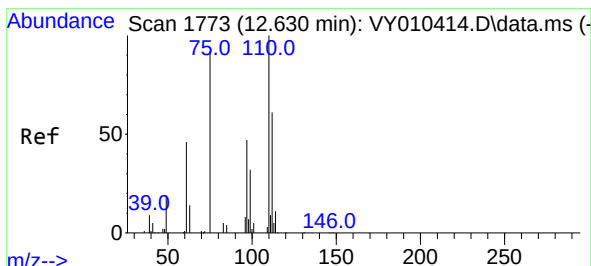
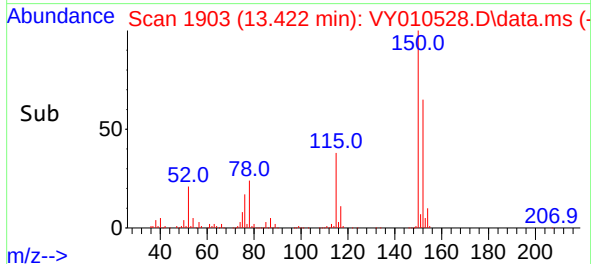
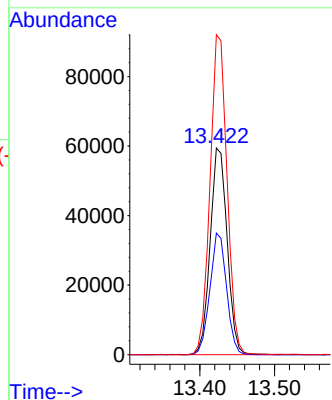
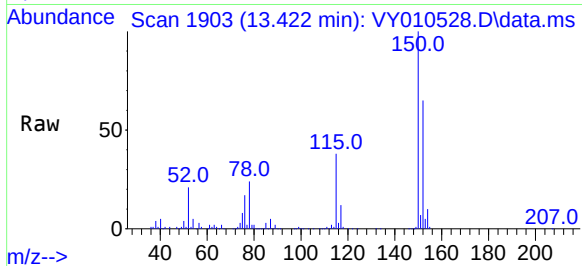




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY010528.D
Acq: 16 Sep 2022 12:10

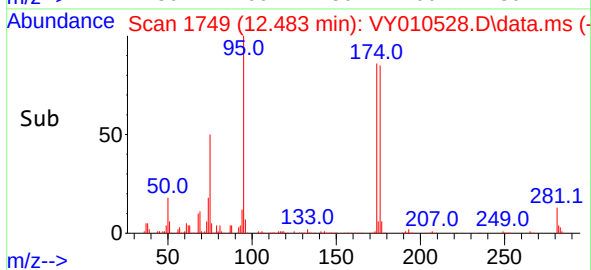
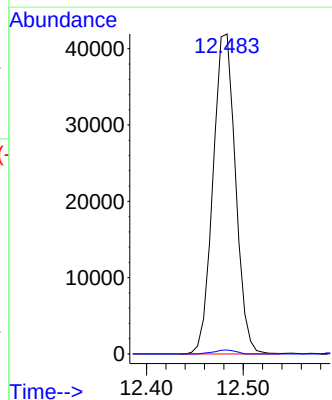
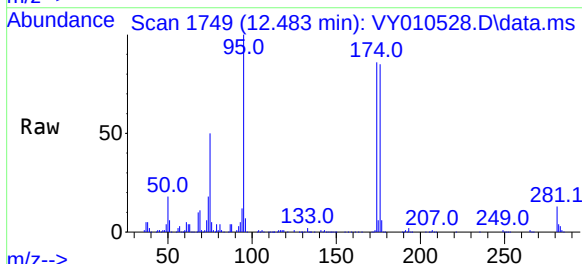
Instrument :
MSVOA_Y
ClientSampleId :
S1-SO_115D-20220902

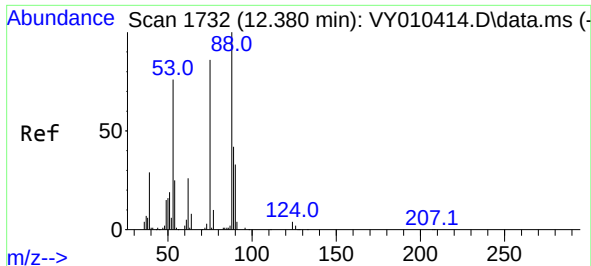
Tgt Ion:152 Resp: 93954
Ion Ratio Lower Upper
152 100
115 57.6 28.2 84.7
150 154.6 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 65.437 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY010528.D
Acq: 16 Sep 2022 12:10

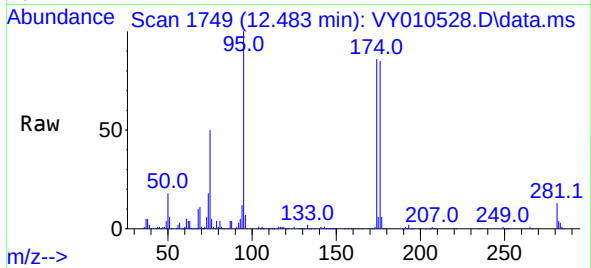
Tgt Ion: 75 Resp: 67854
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 145.293 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY010528.D
 Acq: 16 Sep 2022 12:10

Instrument :
 MSVOA_Y
 ClientSampleId :
 S1-SO_115D-20220902



Tgt Ion: 75 Resp: 67854
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.3 127.9#
 89 0.2 37.0 55.4#

