

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091622\
 Data File : VY010529.D
 Acq On : 16 Sep 2022 12:33
 Operator : KP/MD
 Sample : N4509-05
 Misc : 5.58g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 S1-SO_116D-20220902

Quant Time: Sep 17 00:28:08 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)

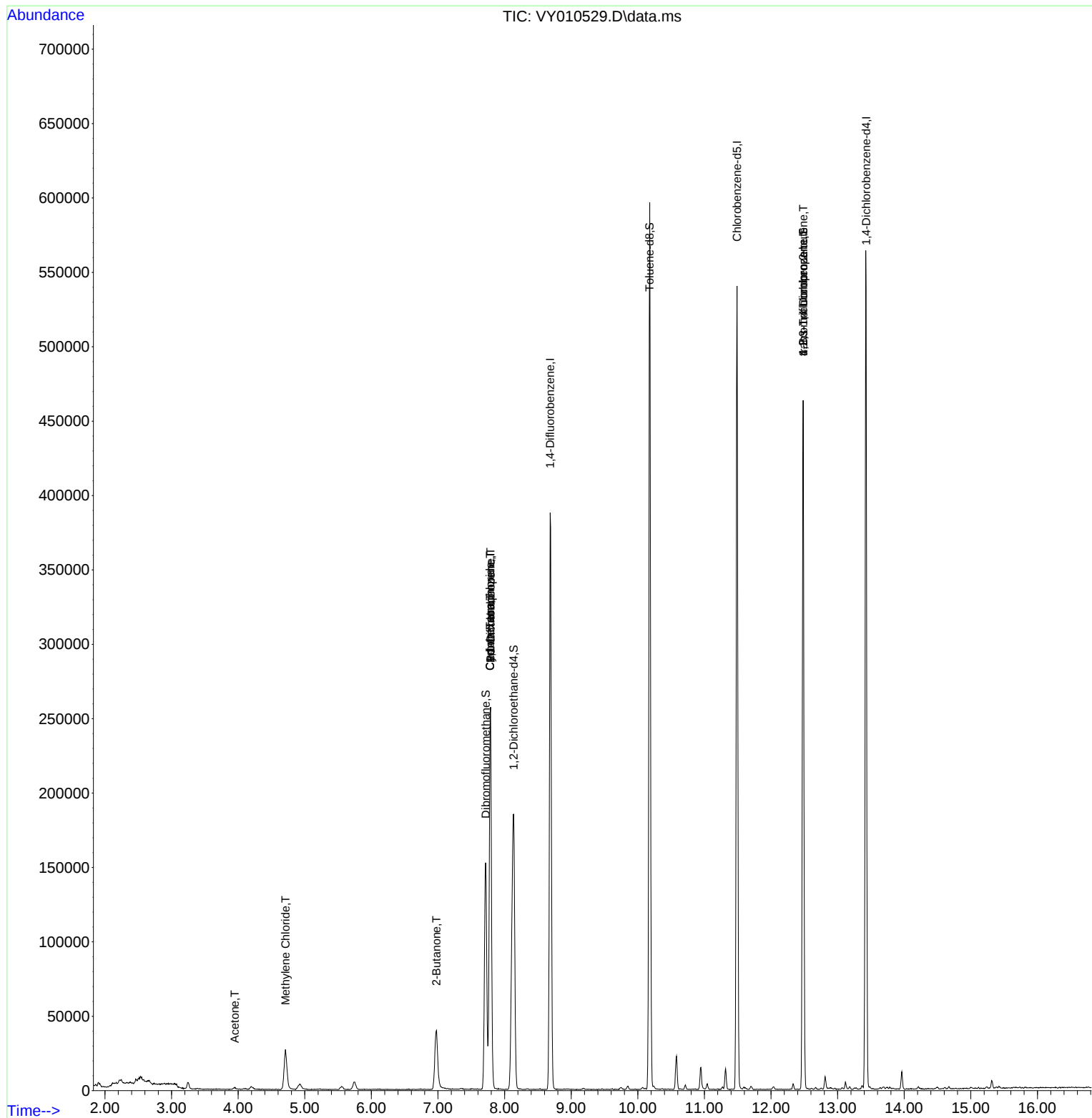
Internal Standards						
1) Pentafluorobenzene	7.789	168	204830	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	337332	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	296221	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	146145	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	111854	54.220	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.440%	
35) Dibromofluoromethane	7.716	113	110587	46.160	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 92.320%	
50) Toluene-d8	10.179	98	383903	49.443	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 98.880%	
62) 4-Bromofluorobenzene	12.483	95	134155	42.690	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 85.380%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	2087	Below Cal		92
11) Tert butyl alcohol	4.924	59	3862	Below Cal	#	77
16) Acetone	3.948	43	2415	5.101	ug/l	93
20) Methylene Chloride	4.710	84	19633	1.964	ug/l #	84
25) 2-Butanone	6.978	43	2856	3.796	ug/l #	77
31) Cyclohexane	7.783	56	4342	1.246	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	15614	4.761	ug/l #	50
38) Carbon Tetrachloride	7.783	117	19921	5.459	ug/l #	16
58) 2-Chloroethyl Vinyl ether	9.795	63	122	Below Cal	#	48
76) 1,2,3-Trichloropropane	12.483	75	69236	42.925	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	69236	95.309	ug/l #	7

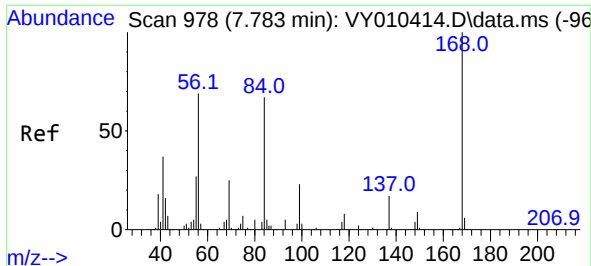
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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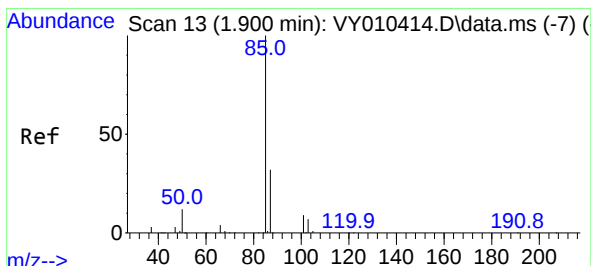
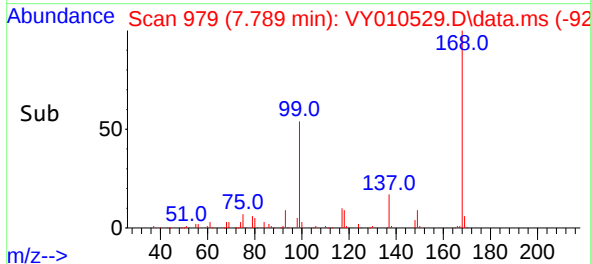
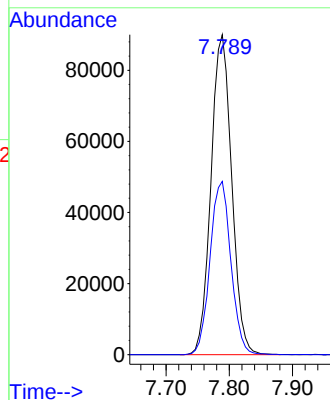
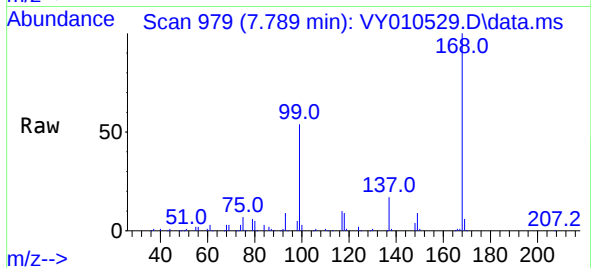




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010529.D
Acq: 16 Sep 2022 12:33

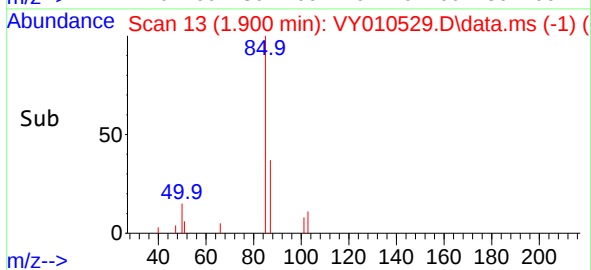
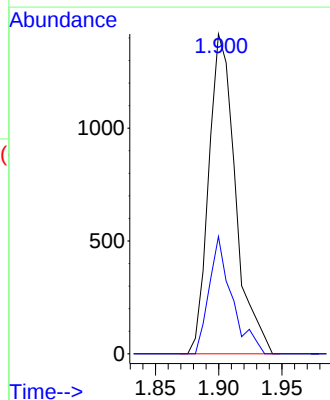
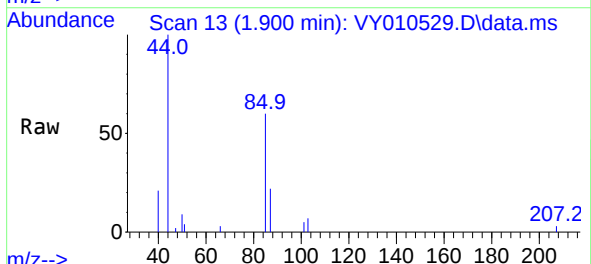
Instrument :
MSVOA_Y
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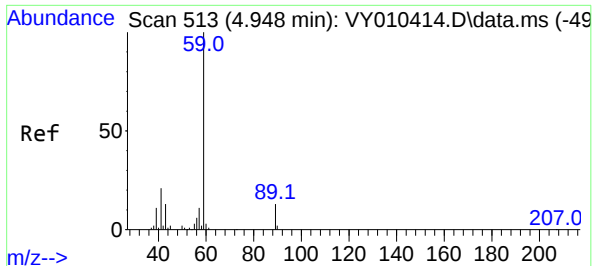
Tgt Ion:168 Resp: 204830
Ion Ratio Lower Upper
168 100
99 54.1 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY010529.D
Acq: 16 Sep 2022 12:33

Tgt Ion: 85 Resp: 2087
Ion Ratio Lower Upper
85 100
87 36.7 16.1 48.2

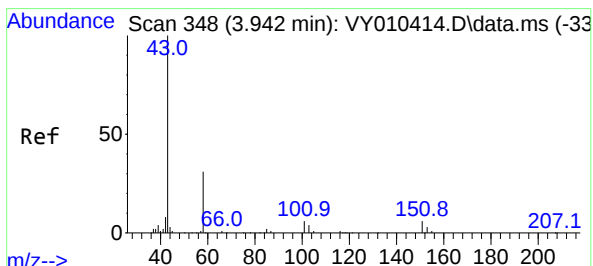
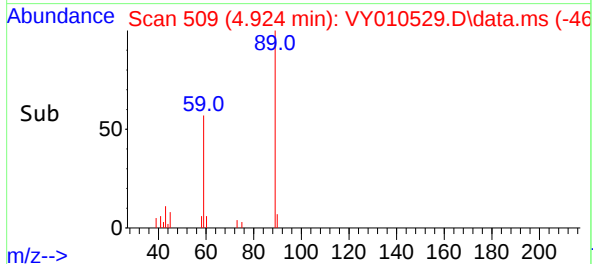
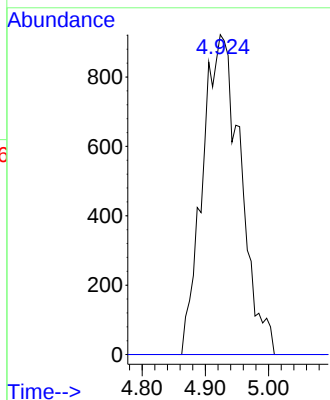
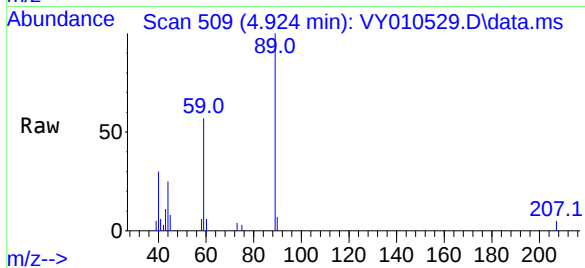




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.924 min Scan# 509
Delta R.T. -0.024 min
Lab File: VY010529.D
Acq: 16 Sep 2022 12:33

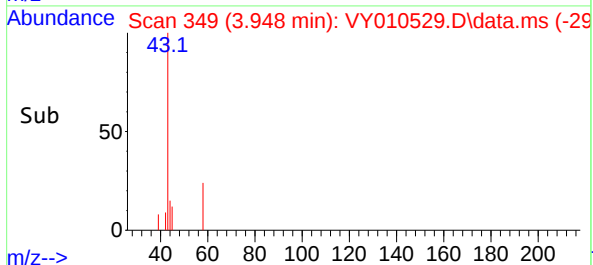
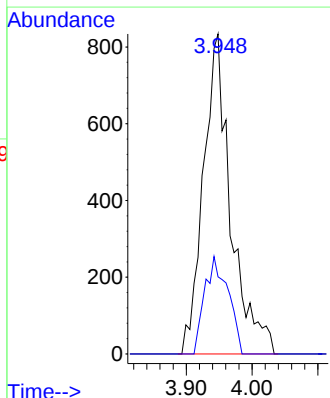
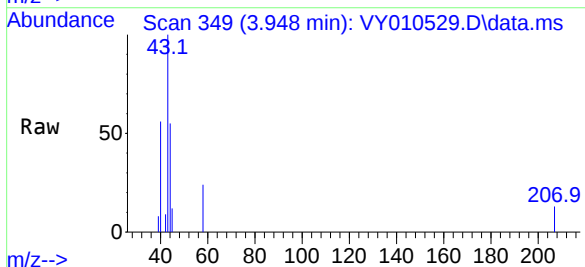
Instrument :
MSVOA_Y
ClientSampleId :
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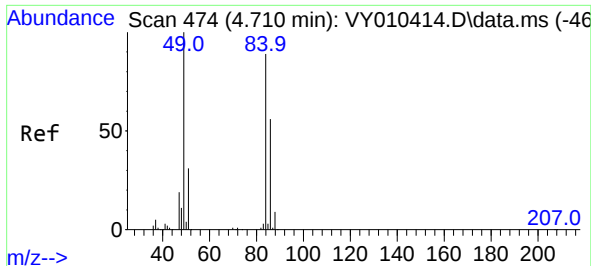
Tgt Ion: 59 Resp: 3862
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#



#16
Acetone
Concen: 5.101 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY010529.D
Acq: 16 Sep 2022 12:33

Tgt Ion: 43 Resp: 2415
Ion Ratio Lower Upper
43 100
58 24.1 22.0 33.0



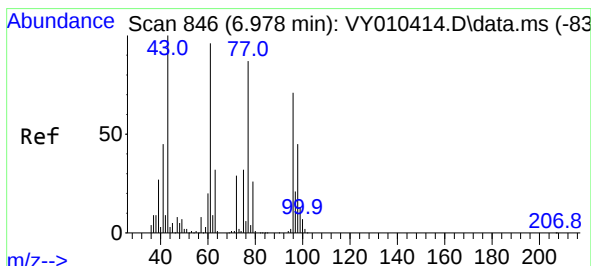
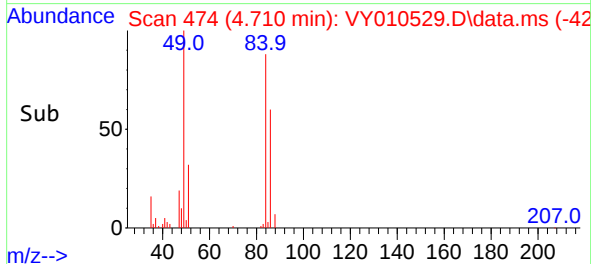
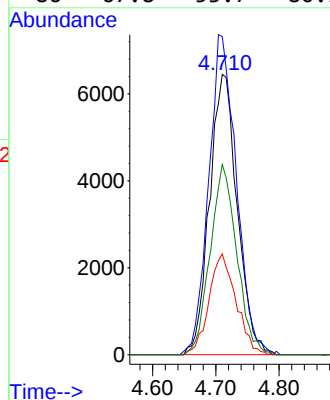
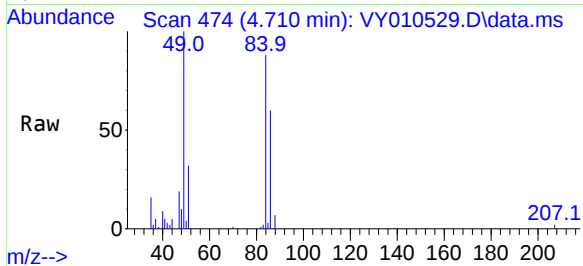


#20
Methylene Chloride
Concen: 1.964 ug/l
RT: 4.710 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY010529.D
Acq: 16 Sep 2022 12:33

Instrument :
MSVOA_Y
ClientSampleId :
S1-SO_116D-20220902

Tgt Ion: 84 Resp: 19633

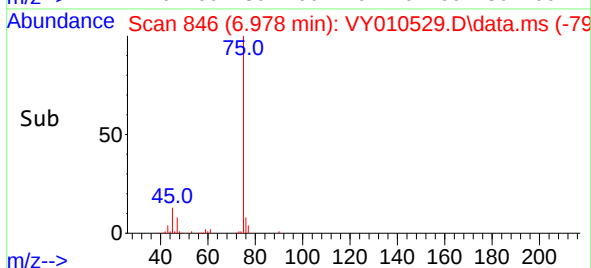
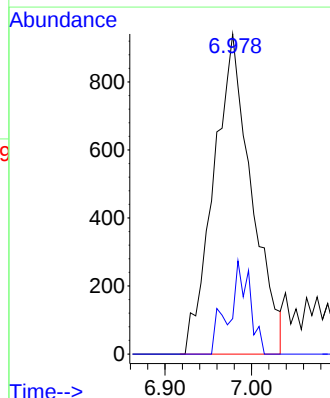
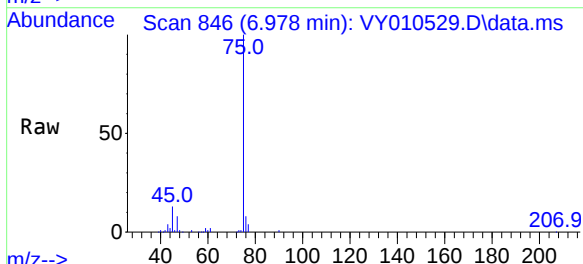
Ion	Ratio	Lower	Upper
84	100		
49	113.5	114.4	171.6#
51	35.9	35.3	52.9
86	67.8	53.7	80.5

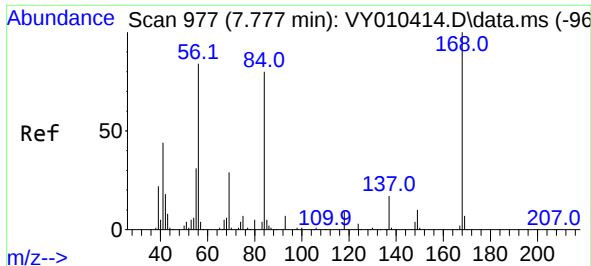


#25
2-Butanone
Concen: 3.796 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY010529.D
Acq: 16 Sep 2022 12:33

Tgt Ion: 43 Resp: 2856

Ion	Ratio	Lower	Upper
43	100		
72	11.1	17.7	26.5#

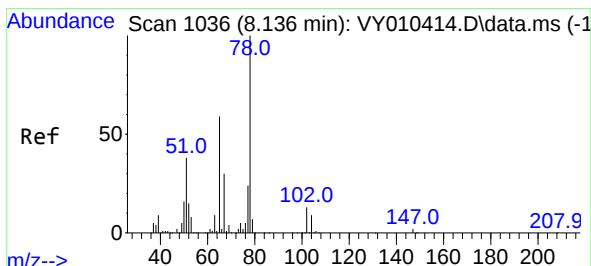
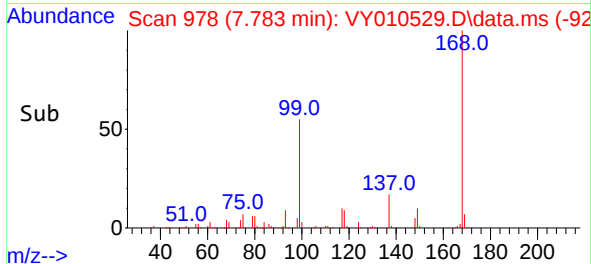
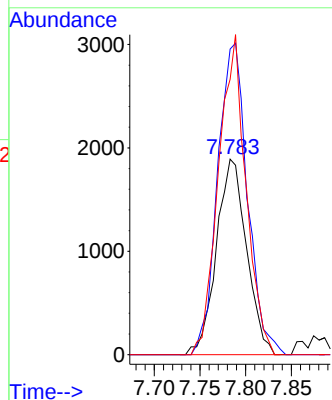
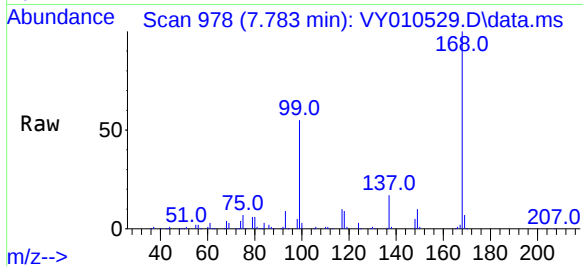




#31
Cyclohexane
Concen: 1.246 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010529.D
Acq: 16 Sep 2022 12:33

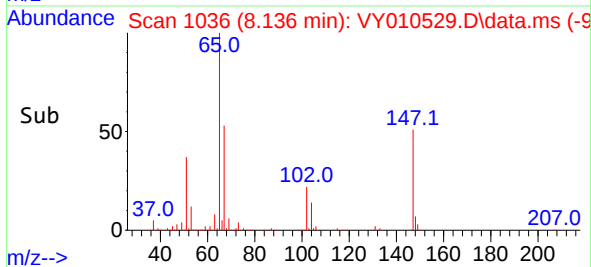
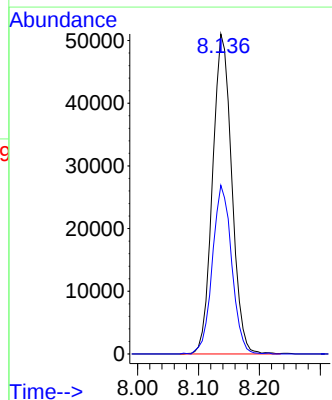
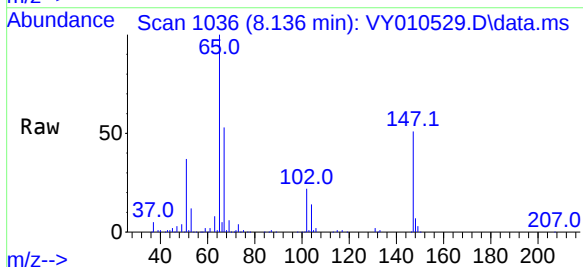
Instrument :
MSVOA_Y
ClientSampleId :
S1-SO_116D-20220902

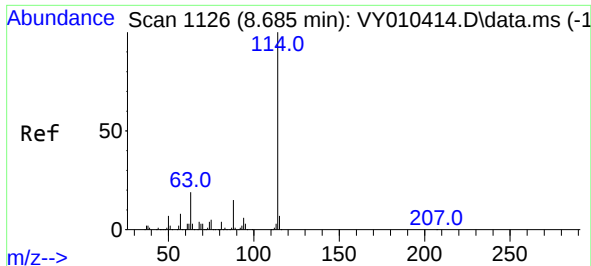
Tgt Ion: 56 Resp: 4342
Ion Ratio Lower Upper
56 100
69 156.3 26.7 40.1#
84 140.9 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 54.220 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY010529.D
Acq: 16 Sep 2022 12:33

Tgt Ion: 65 Resp: 111854
Ion Ratio Lower Upper
65 100
67 53.1 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: VY010529.D

Acq: 16 Sep 2022 12:33

Instrument :

MSVOA_Y

ClientSampleId :

S1-SO_116D-20220902

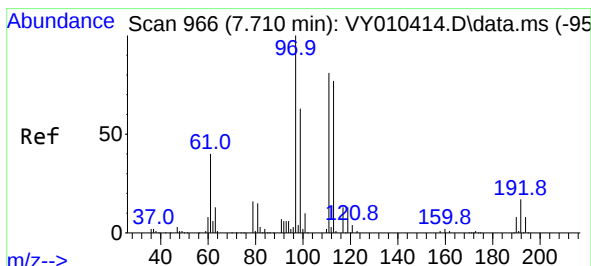
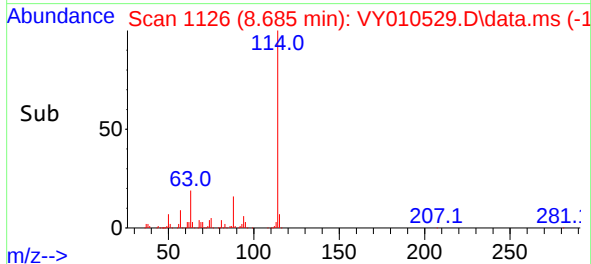
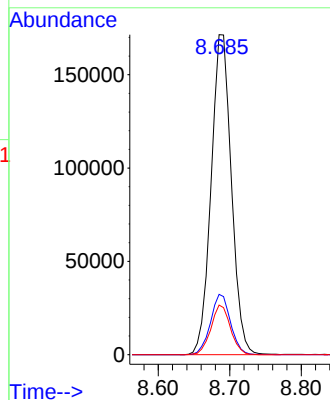
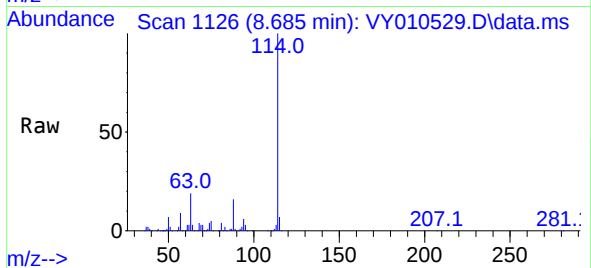
Tgt Ion:114 Resp: 337332

Ion Ratio Lower Upper

114 100

63 18.8 0.0 43.2

88 15.5 0.0 31.8



#35

Dibromofluoromethane

Concen: 46.160 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.006 min

Lab File: VY010529.D

Acq: 16 Sep 2022 12:33

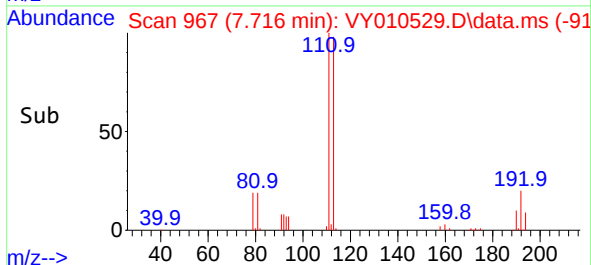
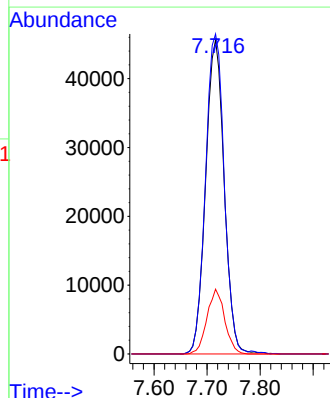
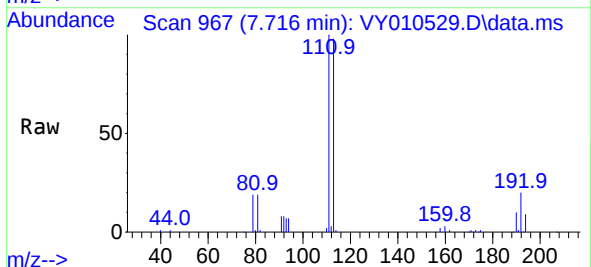
Tgt Ion:113 Resp: 110587

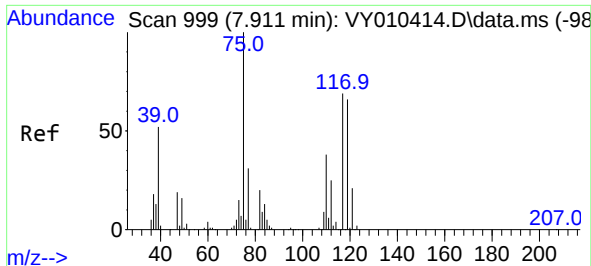
Ion Ratio Lower Upper

113 100

111 103.2 82.6 124.0

192 19.8 17.6 26.4

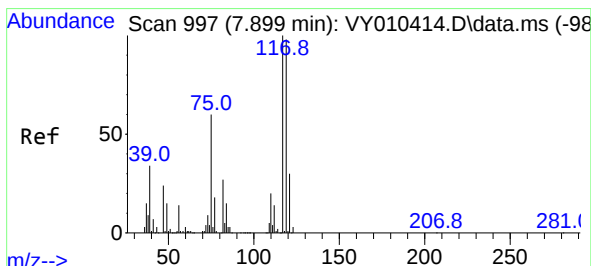
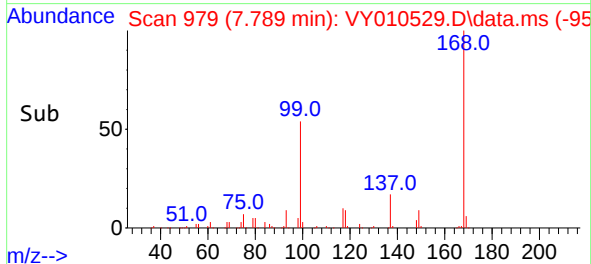
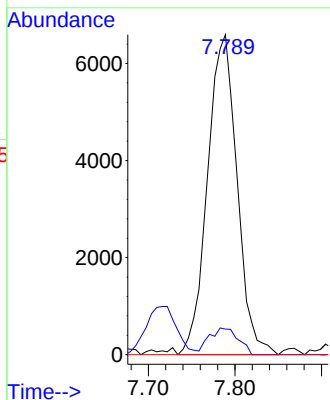
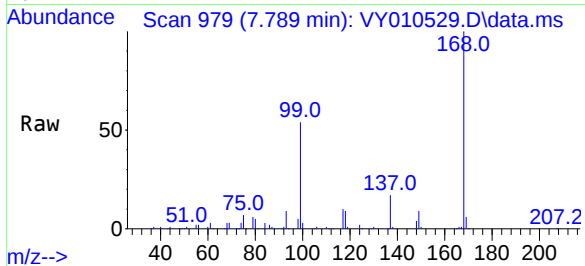




#36
1,1-Dichloropropene
Concen: 4.761 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY010529.D
Acq: 16 Sep 2022 12:33

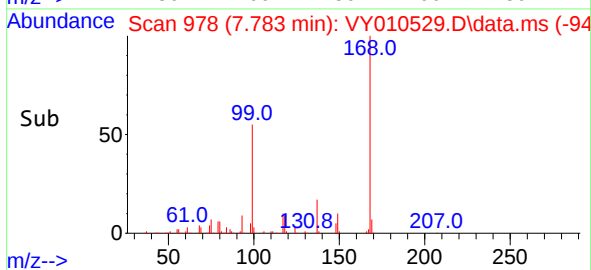
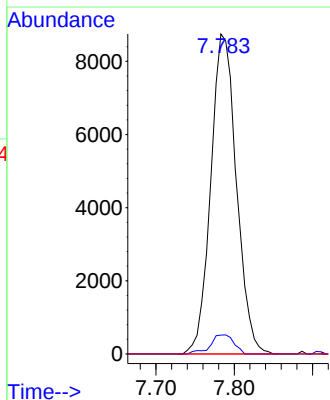
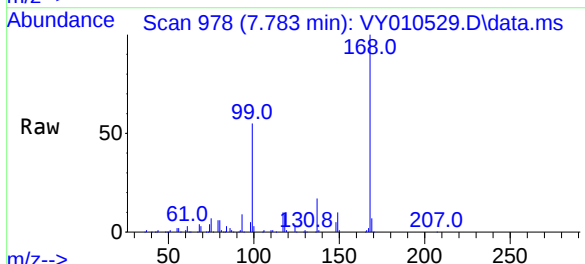
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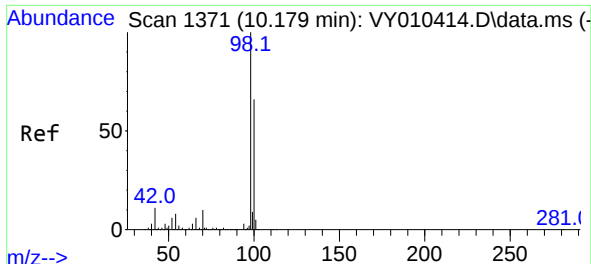
Tgt Ion: 75 Resp: 15614
Ion Ratio Lower Upper
75 100
110 8.2 17.1 51.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.459 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.116 min
Lab File: VY010529.D
Acq: 16 Sep 2022 12:33

Tgt Ion: 117 Resp: 19921
Ion Ratio Lower Upper
117 100
119 5.9 77.9 116.9#
121 0.0 24.8 37.2#

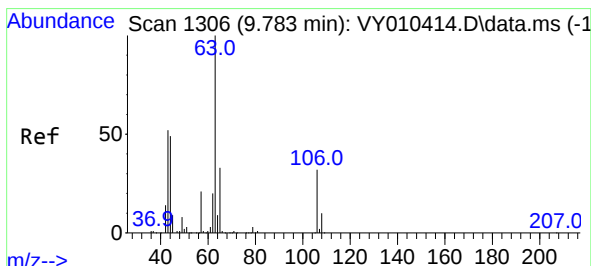
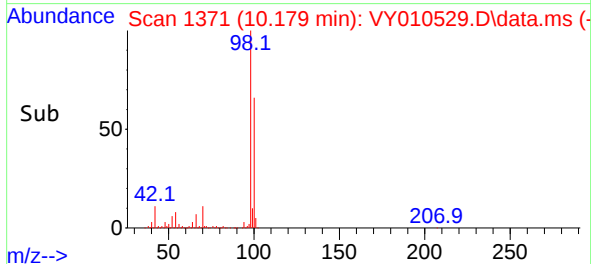
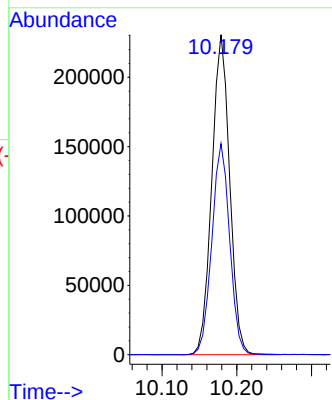
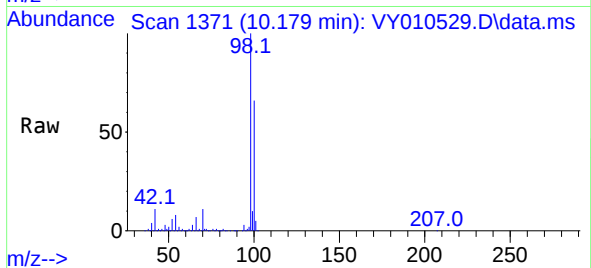




#50
Toluene-d8
Concen: 49.443 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY010529.D
Acq: 16 Sep 2022 12:33

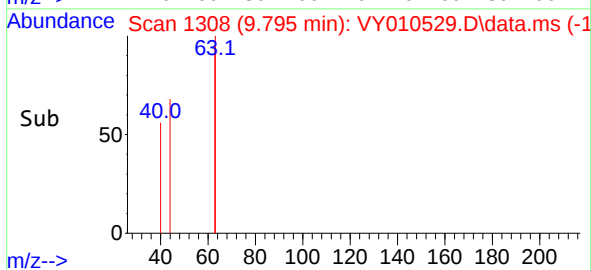
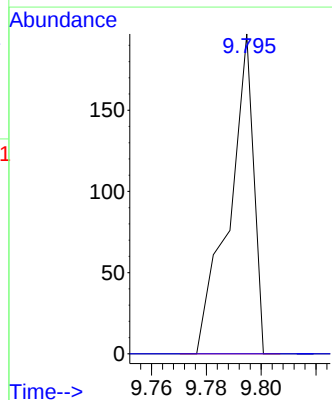
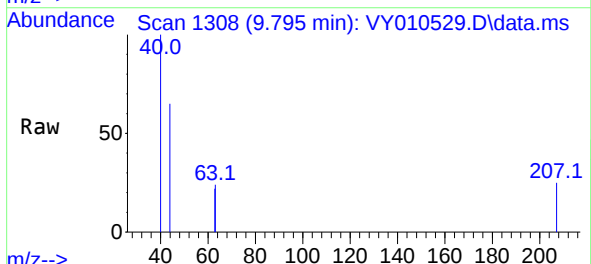
Instrument :
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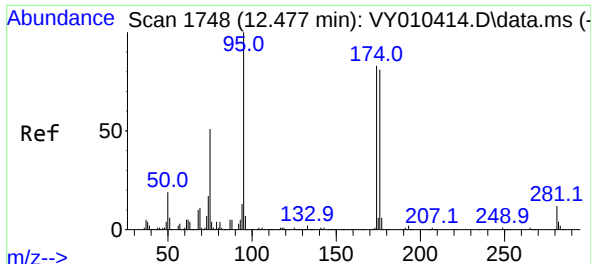
Tgt Ion: 98 Resp: 383903
Ion Ratio Lower Upper
98 100
100 65.8 50.2 75.2



#58
2-Chloroethyl Vinyl ether
Concen: Below Cal
RT: 9.795 min Scan# 1308
Delta R.T. 0.012 min
Lab File: VY010529.D
Acq: 16 Sep 2022 12:33

Tgt Ion: 63 Resp: 122
Ion Ratio Lower Upper
63 100
106 0.0 21.5 32.3#

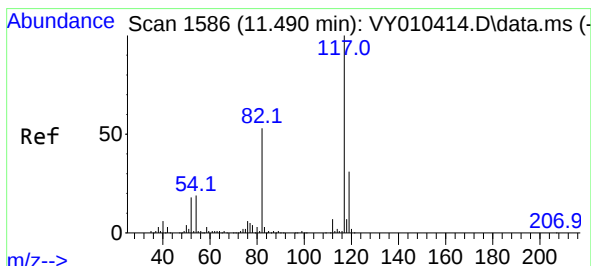
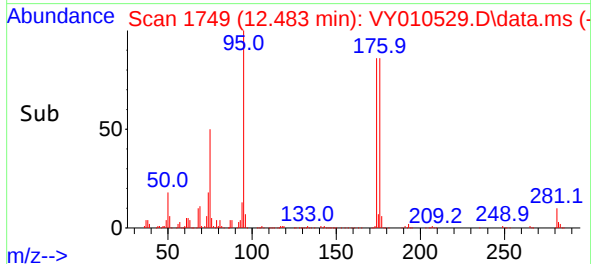
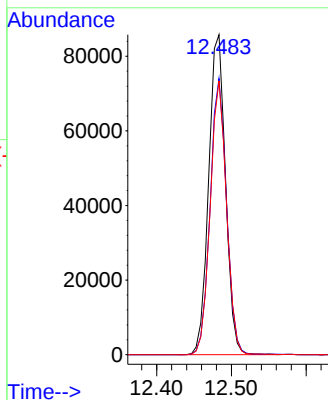
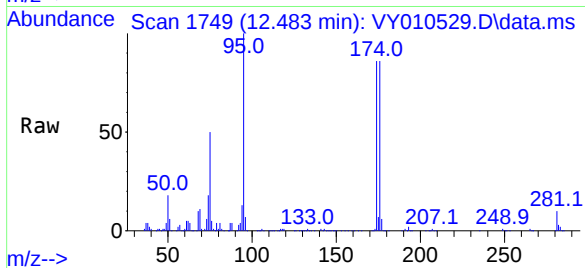




#62
4-Bromofluorobenzene
Concen: 42.690 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY010529.D
Acq: 16 Sep 2022 12:33

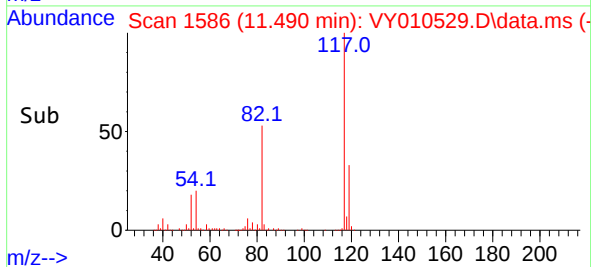
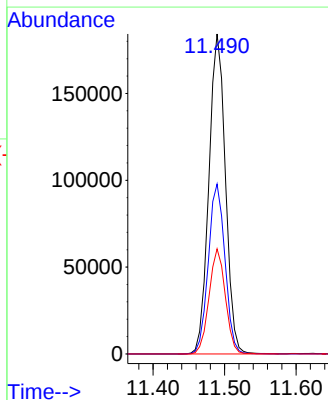
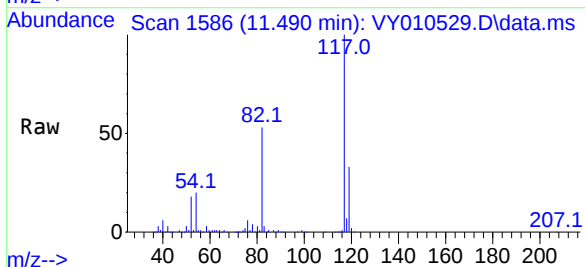
Instrument :
MSVOA_Y
ClientSampleId :
S1-SO_116D-20220902

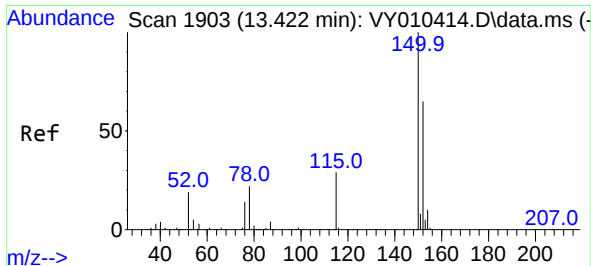
Tgt Ion: 95 Resp: 134155
Ion Ratio Lower Upper
95 100
174 84.3 0.0 177.0
176 82.9 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY010529.D
Acq: 16 Sep 2022 12:33

Tgt Ion: 117 Resp: 296221
Ion Ratio Lower Upper
117 100
82 53.1 43.0 64.4
119 32.8 25.4 38.0

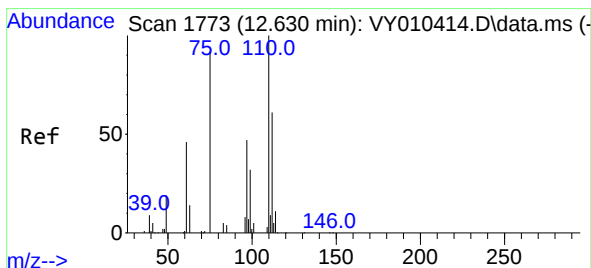
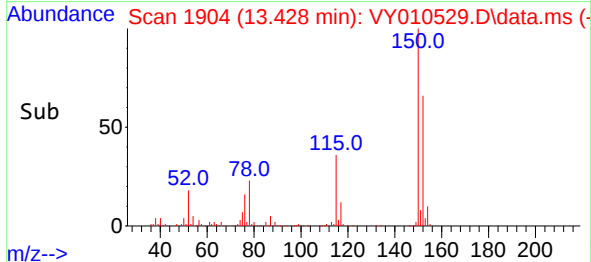
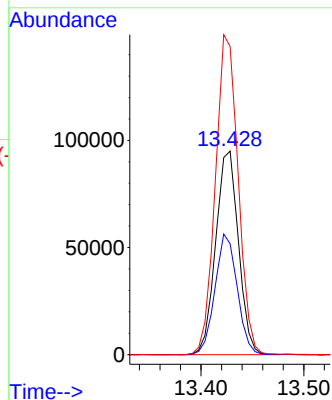
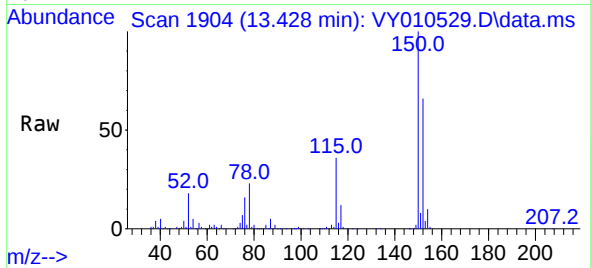




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1903
Delta R.T. 0.006 min
Lab File: VY010529.D
Acq: 16 Sep 2022 12:33

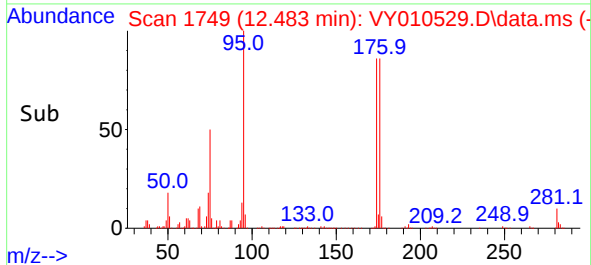
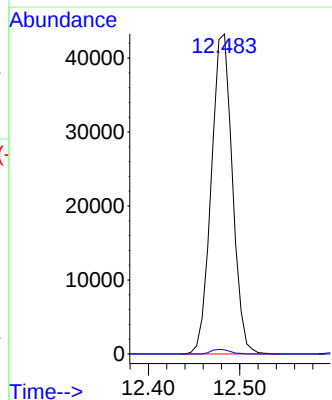
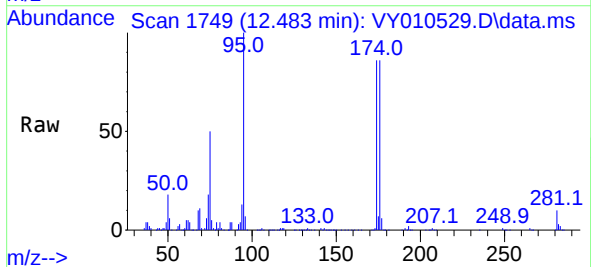
Instrument :
MSVOA_Y
ClientSampleId :
S1-SO_116D-20220902

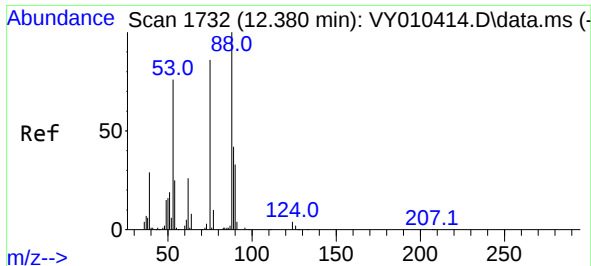
Tgt Ion:152 Resp: 146145
Ion Ratio Lower Upper
152 100
115 57.9 28.2 84.7
150 157.4 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 42.925 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY010529.D
Acq: 16 Sep 2022 12:33

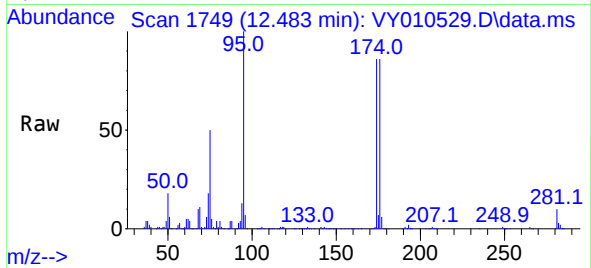
Tgt Ion: 75 Resp: 69236
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 95.309 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY010529.D
 Acq: 16 Sep 2022 12:33

Instrument :
 MSVOA_Y
 ClientSampleId :
 S1-SO_116D-20220902



Tgt Ion: 75 Resp: 69236
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.3 127.9#
 89 0.2 37.0 55.4#

