

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091622\
 Data File : VY010531.D
 Acq On : 16 Sep 2022 13:18
 Operator : KP/MD
 Sample : N4509-07
 Misc : 5.39g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 S1-SO_PW002-20220902

Quant Time: Sep 17 00:28:24 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)

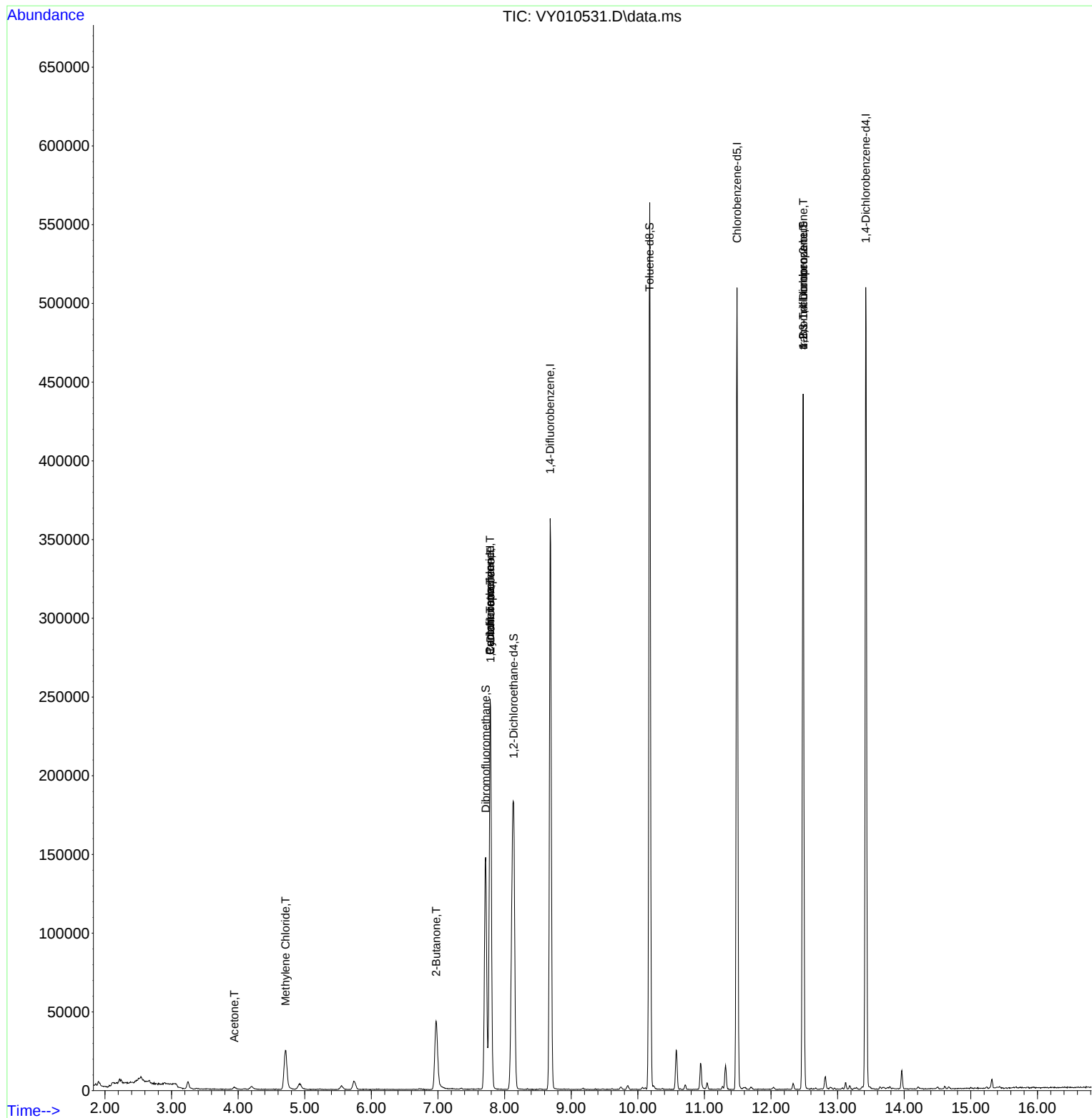
Internal Standards						
1) Pentafluorobenzene	7.783	168	195401	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	314376	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	277461	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	133565	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	106772	54.254	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.500%	
35) Dibromofluoromethane	7.716	113	103546	46.377	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 92.760%	
50) Toluene-d8	10.179	98	366016	50.582	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 101.160%	
62) 4-Bromofluorobenzene	12.483	95	124461	42.465	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 84.940%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.900	85	2371	Below Cal		96
11) Tert butyl alcohol	4.911	59	1834	Below Cal	#	77
16) Acetone	3.942	43	2398	5.310	ug/l #	85
20) Methylene Chloride	4.710	84	19764	2.513	ug/l #	81
25) 2-Butanone	6.972	43	2744	3.823	ug/l	91
31) Cyclohexane	7.783	56	3937	1.184	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	14815	4.847	ug/l #	50
38) Carbon Tetrachloride	7.783	117	19153	5.632	ug/l #	17
58) 2-Chloroethyl Vinyl ether	9.795	63	53	Below Cal	#	48
76) 1,2,3-Trichloropropane	12.483	75	64792	43.953	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	64792	97.592	ug/l #	7

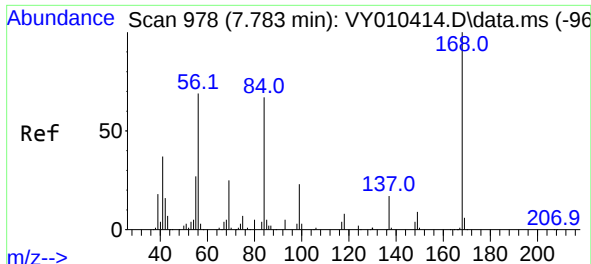
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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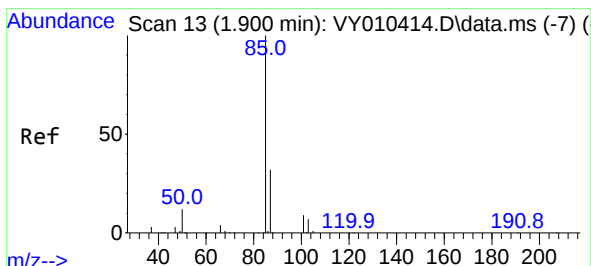
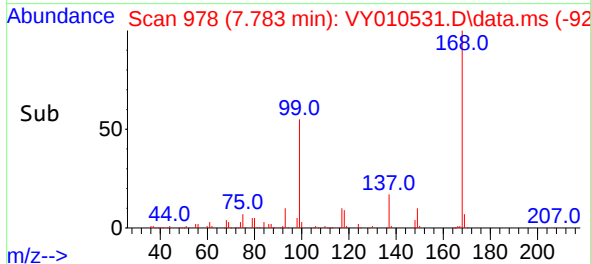
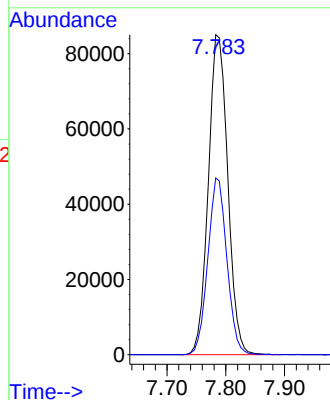
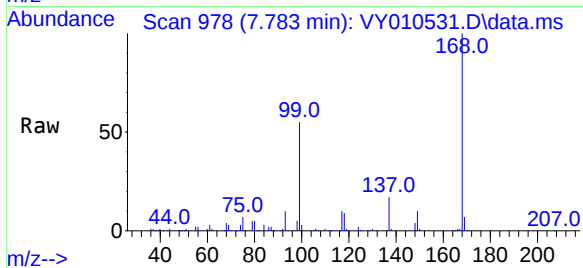




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010531.D
Acq: 16 Sep 2022 13:18

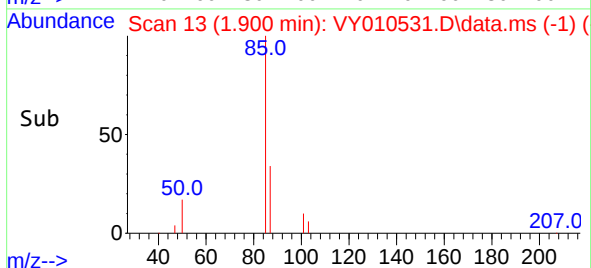
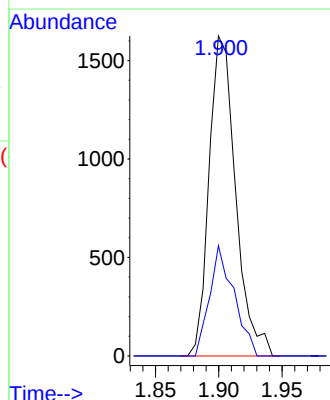
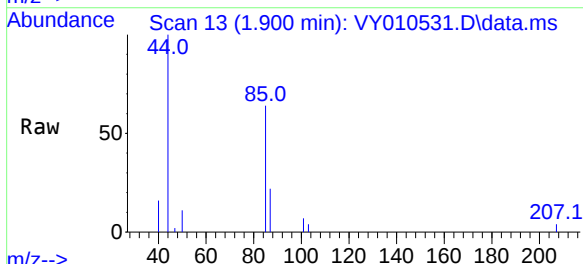
Instrument :
MSVOA_Y
ClientSampleId :
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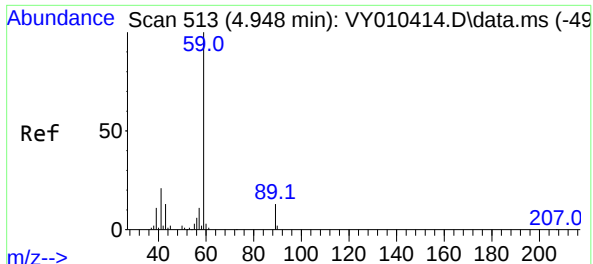
Tgt Ion:168 Resp: 195401
Ion Ratio Lower Upper
168 100
99 55.2 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY010531.D
Acq: 16 Sep 2022 13:18

Tgt Ion: 85 Resp: 2371
Ion Ratio Lower Upper
85 100
87 34.5 16.1 48.2





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.911 min Scan# 507

Delta R.T. -0.037 min

Lab File: VY010531.D

Acq: 16 Sep 2022 13:18

Instrument :

MSVOA_Y

ClientSampleId :

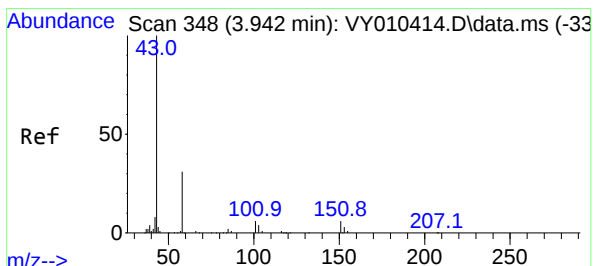
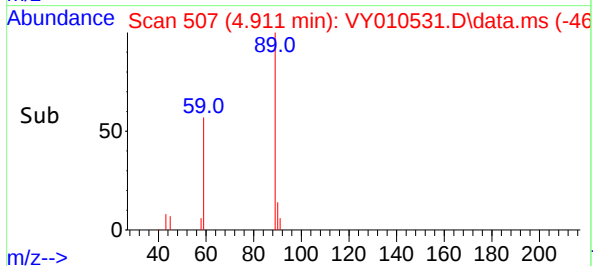
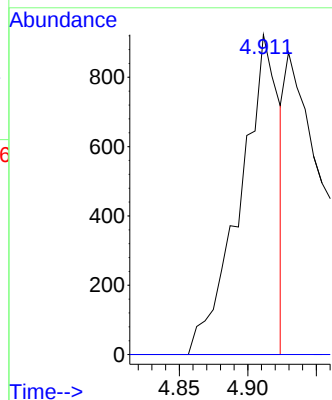
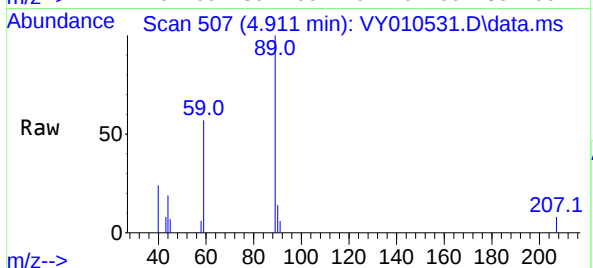
S1-SO_PW002-20220902

Tgt Ion: 59 Resp: 1834

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#



#16

Acetone

Concen: 5.310 ug/l

RT: 3.942 min Scan# 348

Delta R.T. 0.000 min

Lab File: VY010531.D

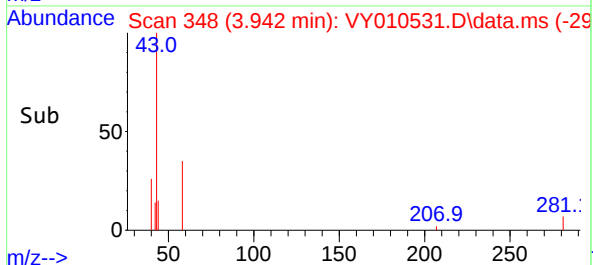
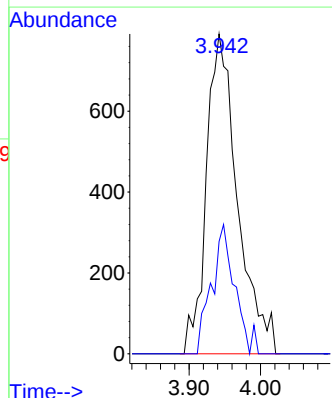
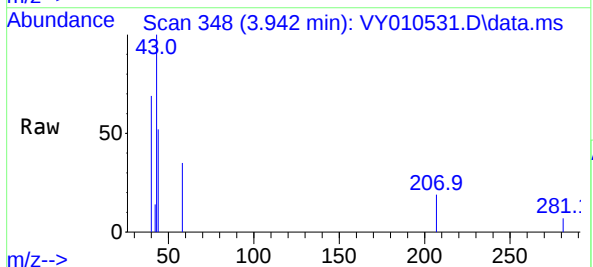
Acq: 16 Sep 2022 13:18

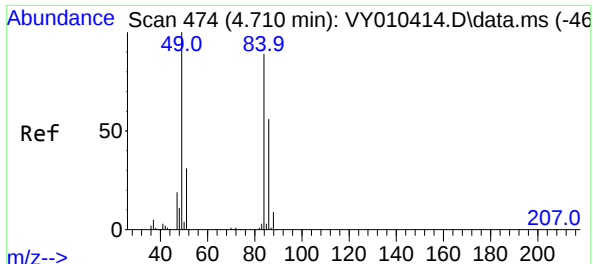
Tgt Ion: 43 Resp: 2398

Ion Ratio Lower Upper

43 100

58 35.1 22.0 33.0#

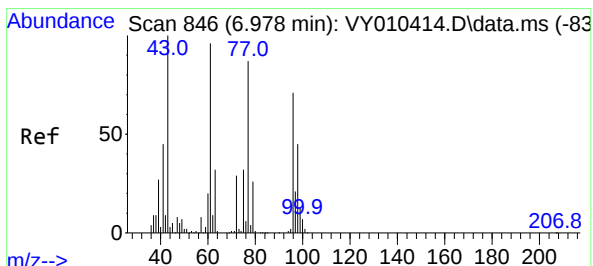
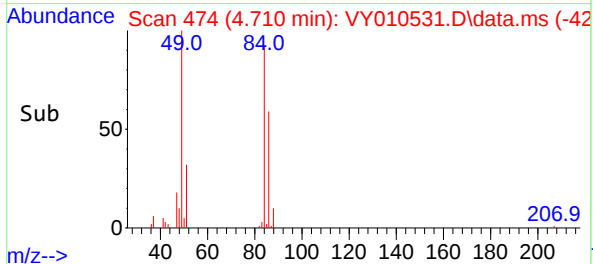
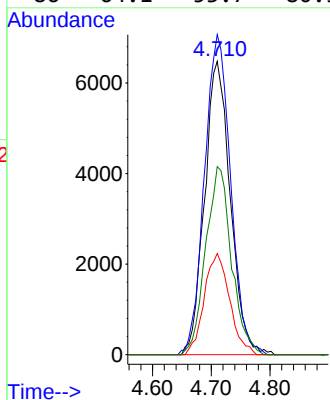
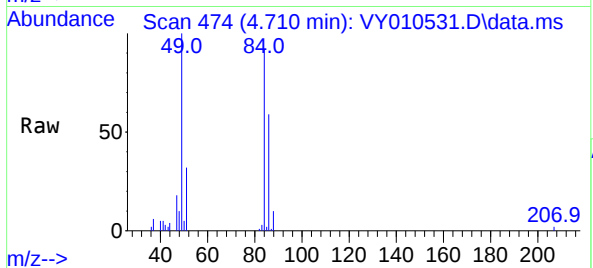




#20
Methylene Chloride
Concen: 2.513 ug/l
RT: 4.710 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY010531.D
Acq: 16 Sep 2022 13:18

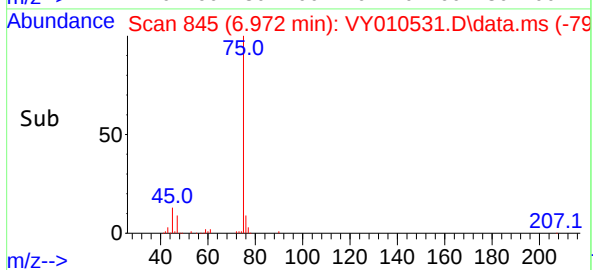
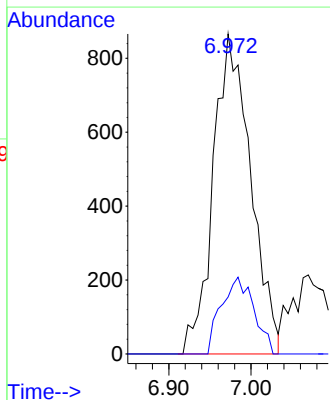
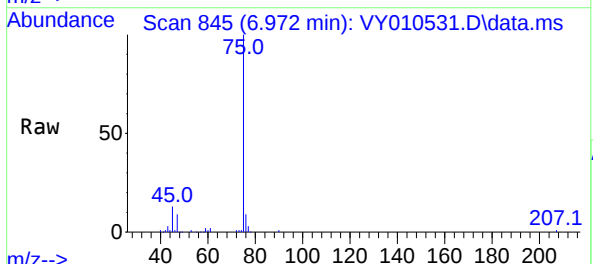
Instrument :
MSVOA_Y
ClientSampleId :
S1-SO_PW002-20220902

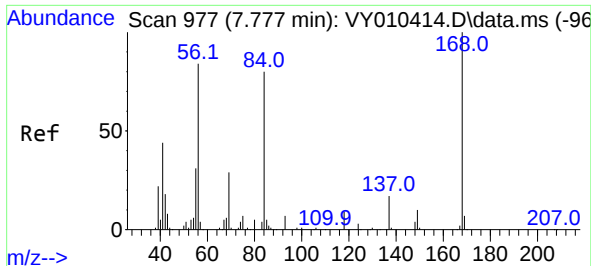
Tgt Ion:	84	Resp:	19764
Ion	Ratio	Lower	Upper
84	100		
49	109.1	114.4	171.6#
51	34.4	35.3	52.9#
86	64.1	53.7	80.5



#25
2-Butanone
Concen: 3.823 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.006 min
Lab File: VY010531.D
Acq: 16 Sep 2022 13:18

Tgt Ion:	43	Resp:	2744
Ion	Ratio	Lower	Upper
43	100		
72	17.8	17.7	26.5

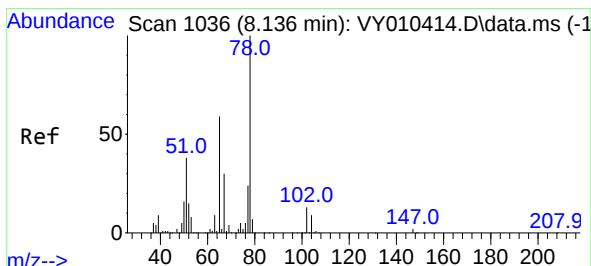
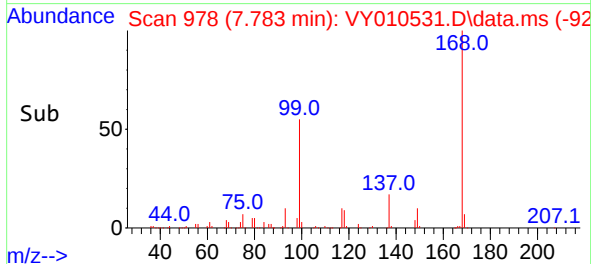
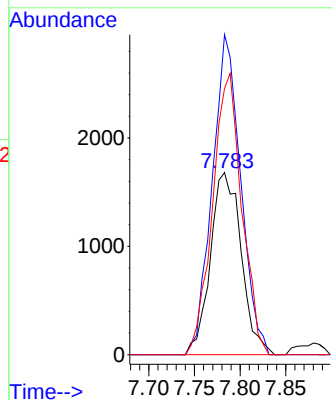
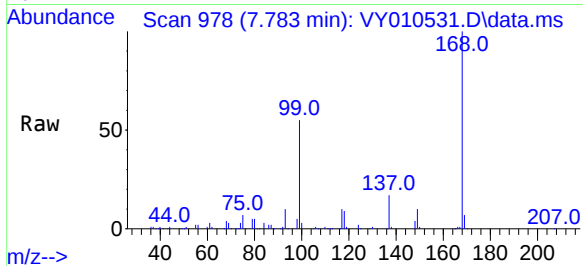




#31
Cyclohexane
Concen: 1.184 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010531.D
Acq: 16 Sep 2022 13:18

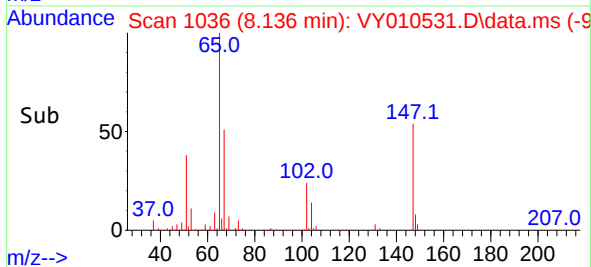
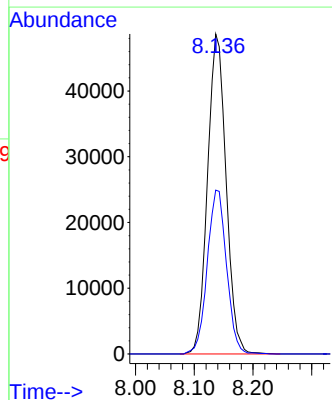
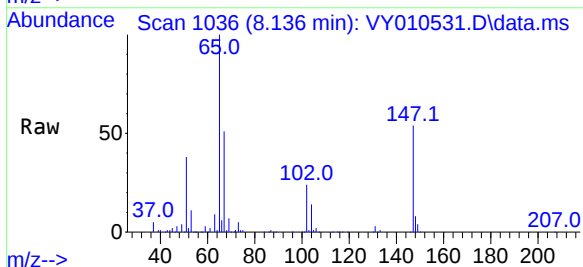
Instrument :
MSVOA_Y
ClientSampleId :
S1-SO_PW002-20220902

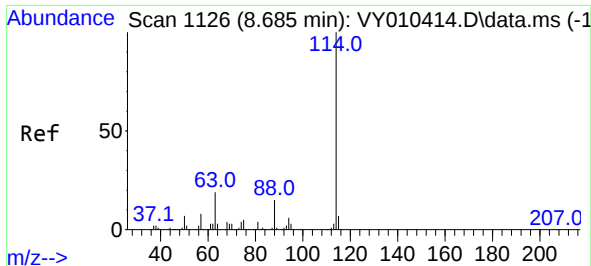
Tgt Ion: 56 Resp: 3937
Ion Ratio Lower Upper
56 100
69 175.7 26.7 40.1#
84 146.2 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 54.254 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY010531.D
Acq: 16 Sep 2022 13:18

Tgt Ion: 65 Resp: 106772
Ion Ratio Lower Upper
65 100
67 53.1 0.0 99.4

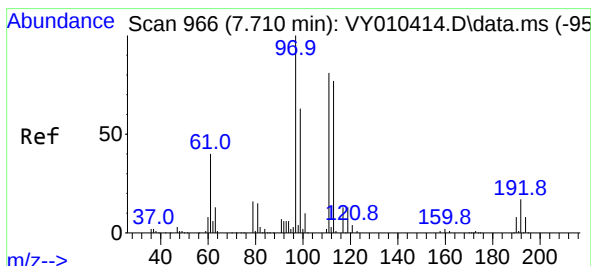
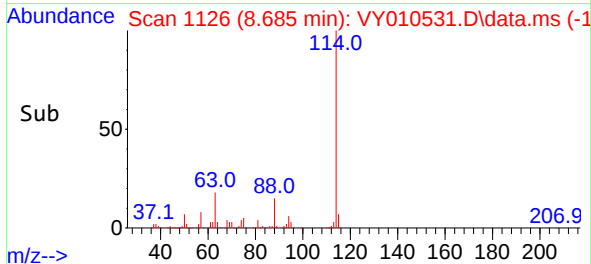
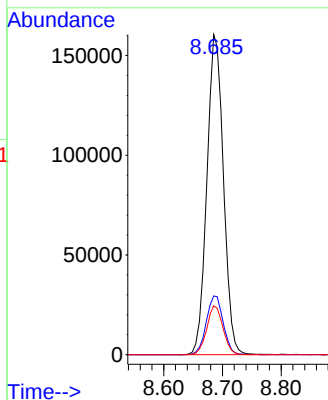
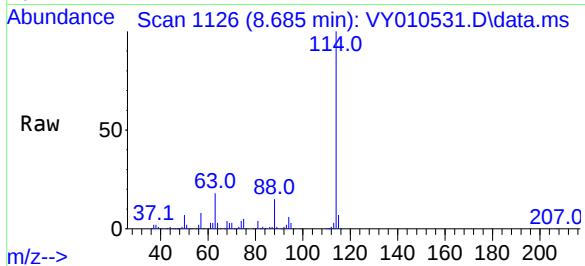




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VY010531.D
Acq: 16 Sep 2022 13:18

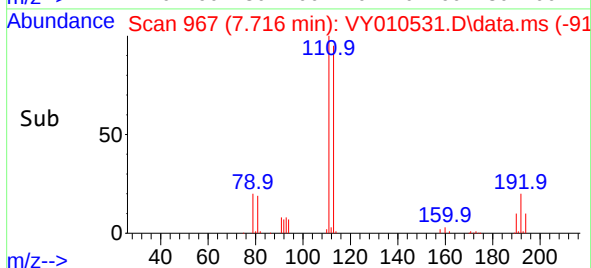
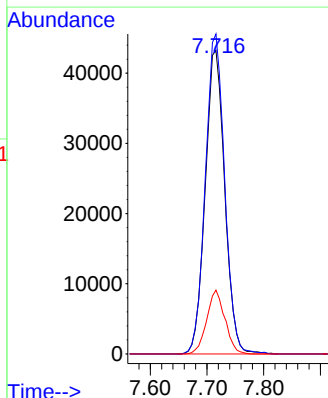
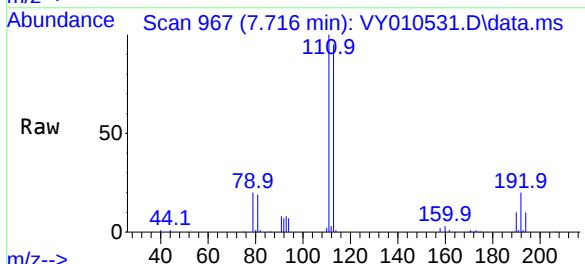
Instrument : MSVOA_Y
ClientSampleId : S1-SO_PW002-20220902

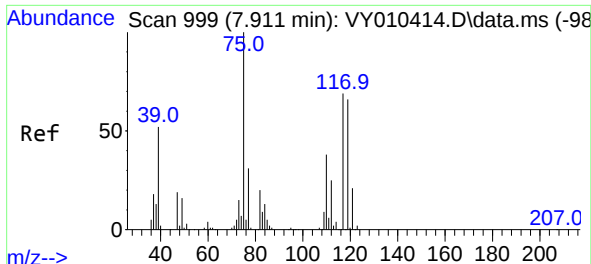
Tgt Ion:	114	Resp:	314376
Ion	Ratio	Lower	Upper
114	100		
63	18.3	0.0	43.2
88	15.3	0.0	31.8



#35
Dibromofluoromethane
Concen: 46.377 ug/l
RT: 7.716 min Scan# 967
Delta R.T. 0.006 min
Lab File: VY010531.D
Acq: 16 Sep 2022 13:18

Tgt Ion:	113	Resp:	103546
Ion	Ratio	Lower	Upper
113	100		
111	104.3	82.6	124.0
192	19.6	17.6	26.4





#36

1,1-Dichloropropene

Concen: 4.847 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.122 min

Lab File: VY010531.D

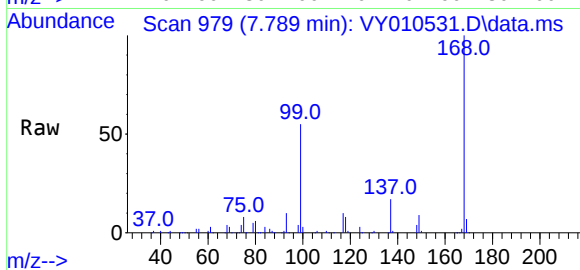
Acq: 16 Sep 2022 13:18

Instrument :

MSVOA_Y

ClientSampleId :

S1-SO_PW002-20220902



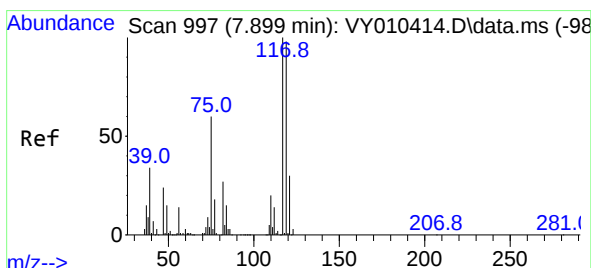
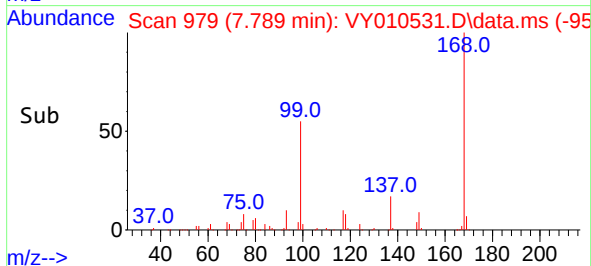
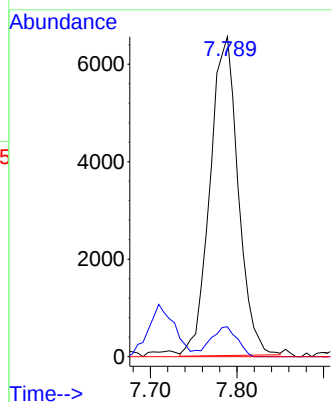
Tgt Ion: 75 Resp: 14815

Ion Ratio Lower Upper

75 100

110 8.4 17.1 51.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.632 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.116 min

Lab File: VY010531.D

Acq: 16 Sep 2022 13:18

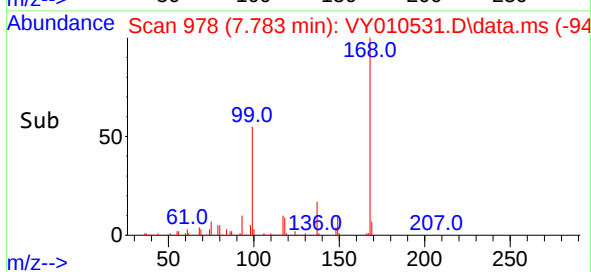
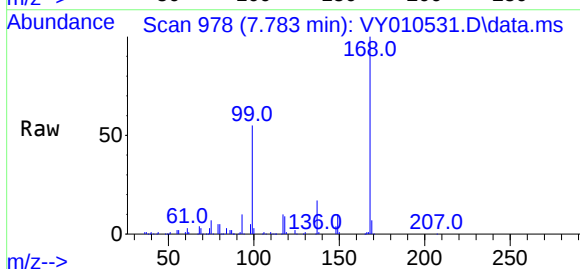
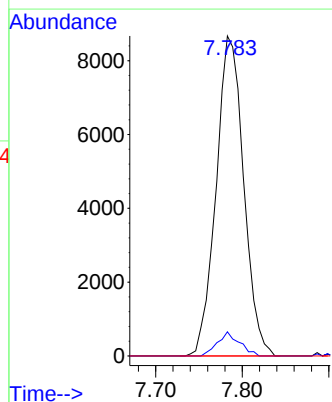
Tgt Ion: 117 Resp: 19153

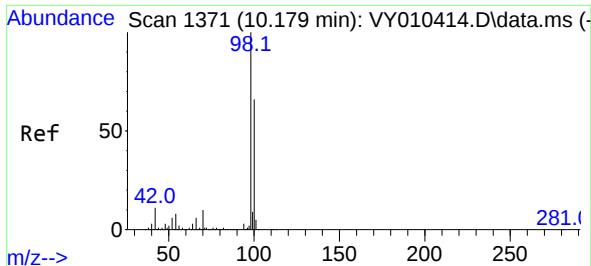
Ion Ratio Lower Upper

117 100

119 7.6 77.9 116.9#

121 0.0 24.8 37.2#

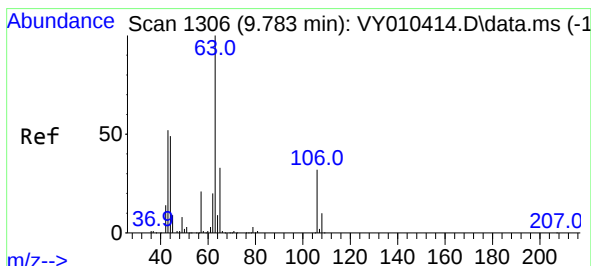
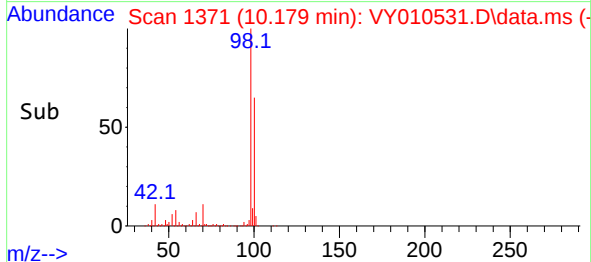
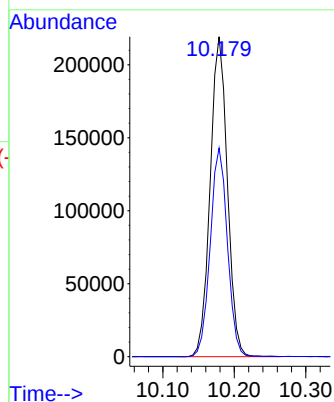
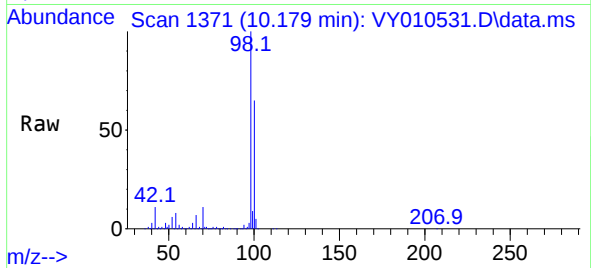




#50
Toluene-d8
Concen: 50.582 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY010531.D
Acq: 16 Sep 2022 13:18

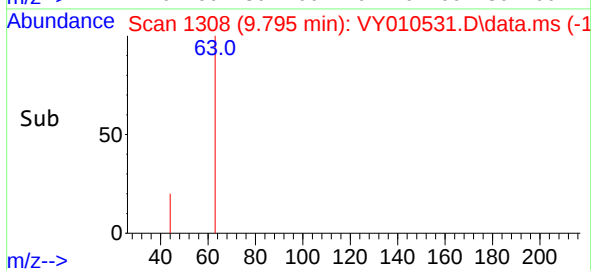
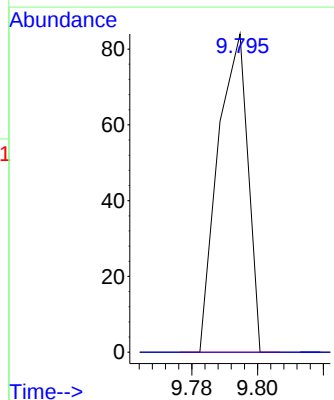
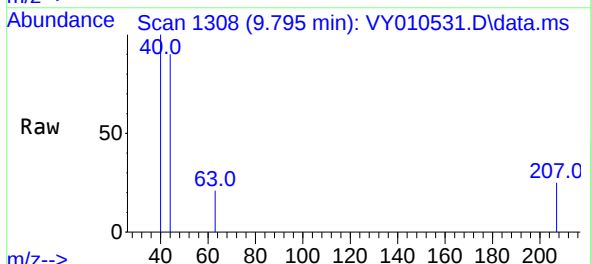
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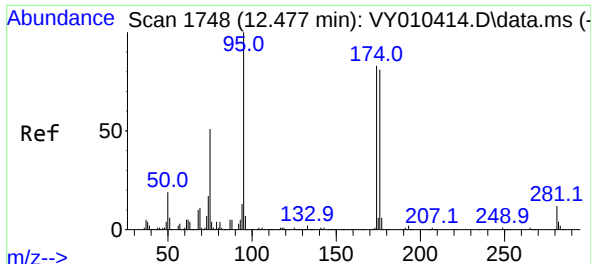
Tgt Ion: 98 Resp: 366016
Ion Ratio Lower Upper
98 100
100 65.0 50.2 75.2



#58
2-Chloroethyl Vinyl ether
Concen: Below Cal
RT: 9.795 min Scan# 1308
Delta R.T. 0.012 min
Lab File: VY010531.D
Acq: 16 Sep 2022 13:18

Tgt Ion: 63 Resp: 53
Ion Ratio Lower Upper
63 100
106 0.0 21.5 32.3#

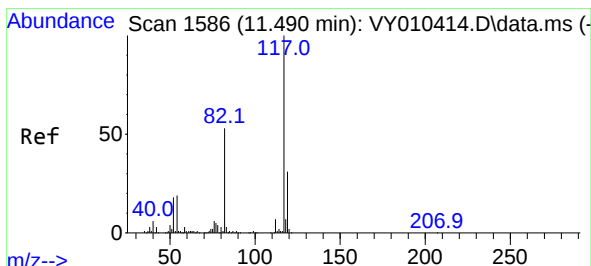
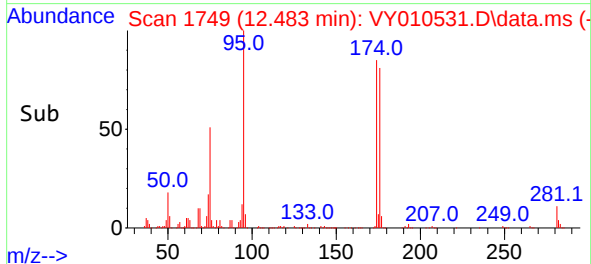
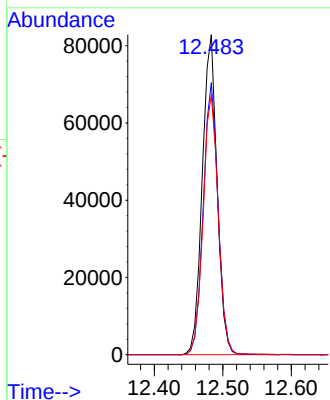
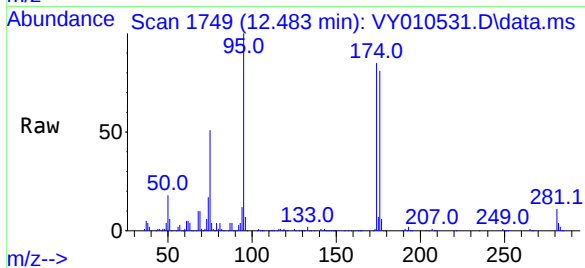




#62
4-Bromofluorobenzene
Concen: 42.465 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY010531.D
Acq: 16 Sep 2022 13:18

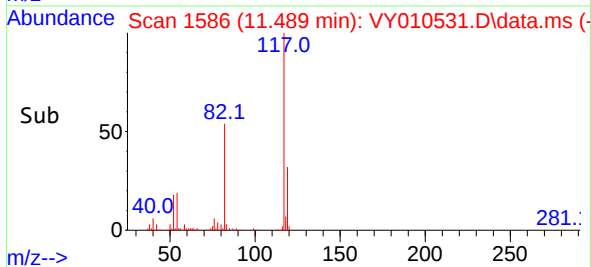
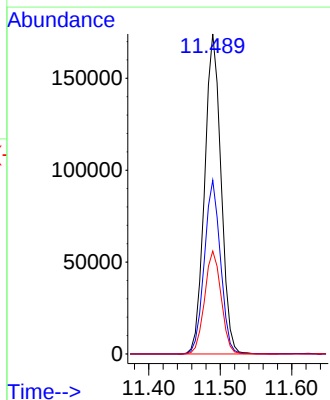
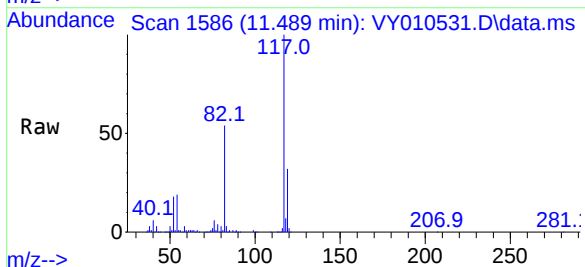
Instrument :
MSVOA_Y
ClientSampleId :
S1-SO_PW002-20220902

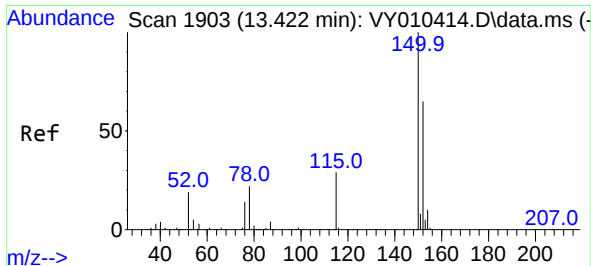
Tgt Ion: 95 Resp: 124461
Ion Ratio Lower Upper
95 100
174 85.4 0.0 177.0
176 82.7 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY010531.D
Acq: 16 Sep 2022 13:18

Tgt Ion: 117 Resp: 277461
Ion Ratio Lower Upper
117 100
82 54.3 43.0 64.4
119 32.1 25.4 38.0

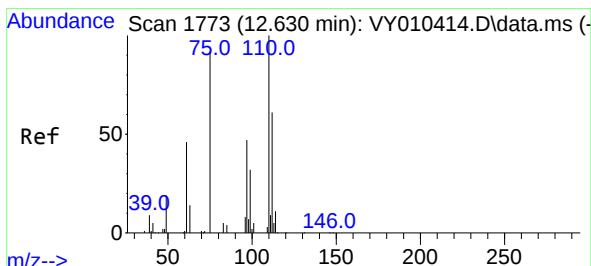
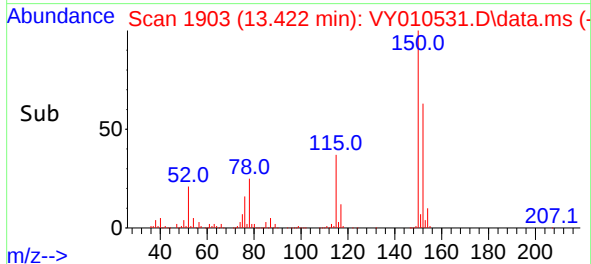
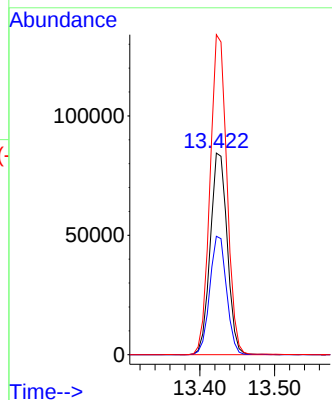
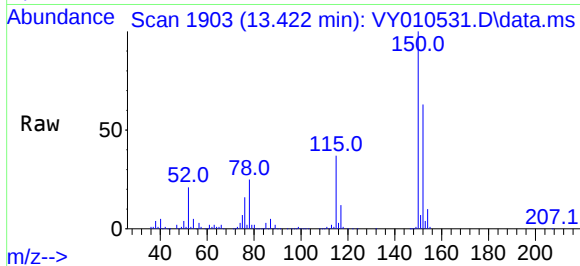




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. 0.000 min
 Lab File: VY010531.D
 Acq: 16 Sep 2022 13:18

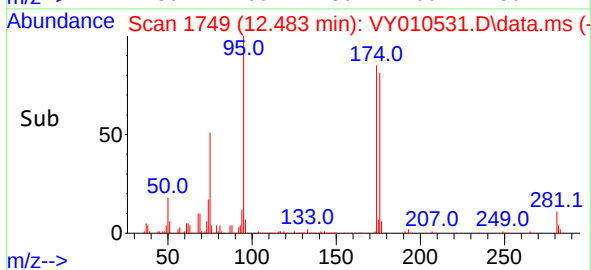
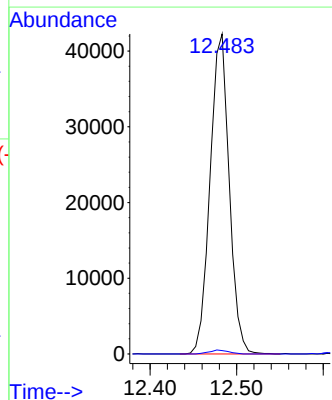
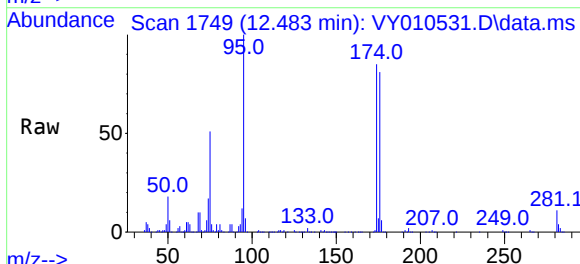
Instrument :
 MSVOA_Y
 ClientSampleId :
 S1-SO_PW002-20220902

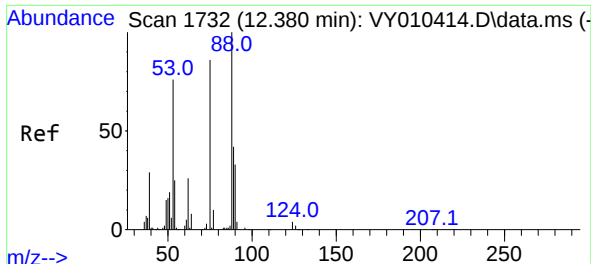
Tgt Ion:152 Resp: 133565
 Ion Ratio Lower Upper
 152 100
 115 58.0 28.2 84.7
 150 157.4 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 43.953 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.147 min
 Lab File: VY010531.D
 Acq: 16 Sep 2022 13:18

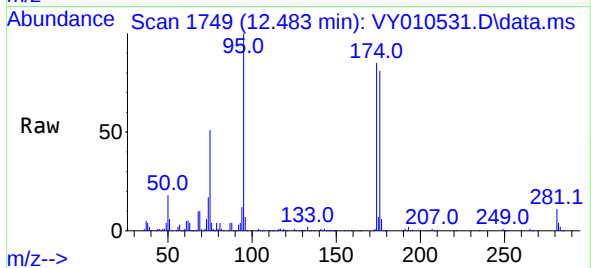
Tgt Ion: 75 Resp: 64792
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 97.592 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY010531.D
 Acq: 16 Sep 2022 13:18

Instrument :
 MSVOA_Y
 ClientSampleId :
 S1-SO_PW002-20220902



Tgt Ion: 75 Resp: 64792
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.3 127.9#
 89 0.2 37.0 55.4#

