

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062123\
 Data File : VY014365.D
 Acq On : 22 Jun 2023 06:31
 Operator : KP/MD
 Sample : 03330-18
 Misc : 8.89g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-MC02-GRAB-7

Quant Time: Jun 22 07:31:19 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060923S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 09 18:07:13 2023
 Response via : Initial Calibration

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

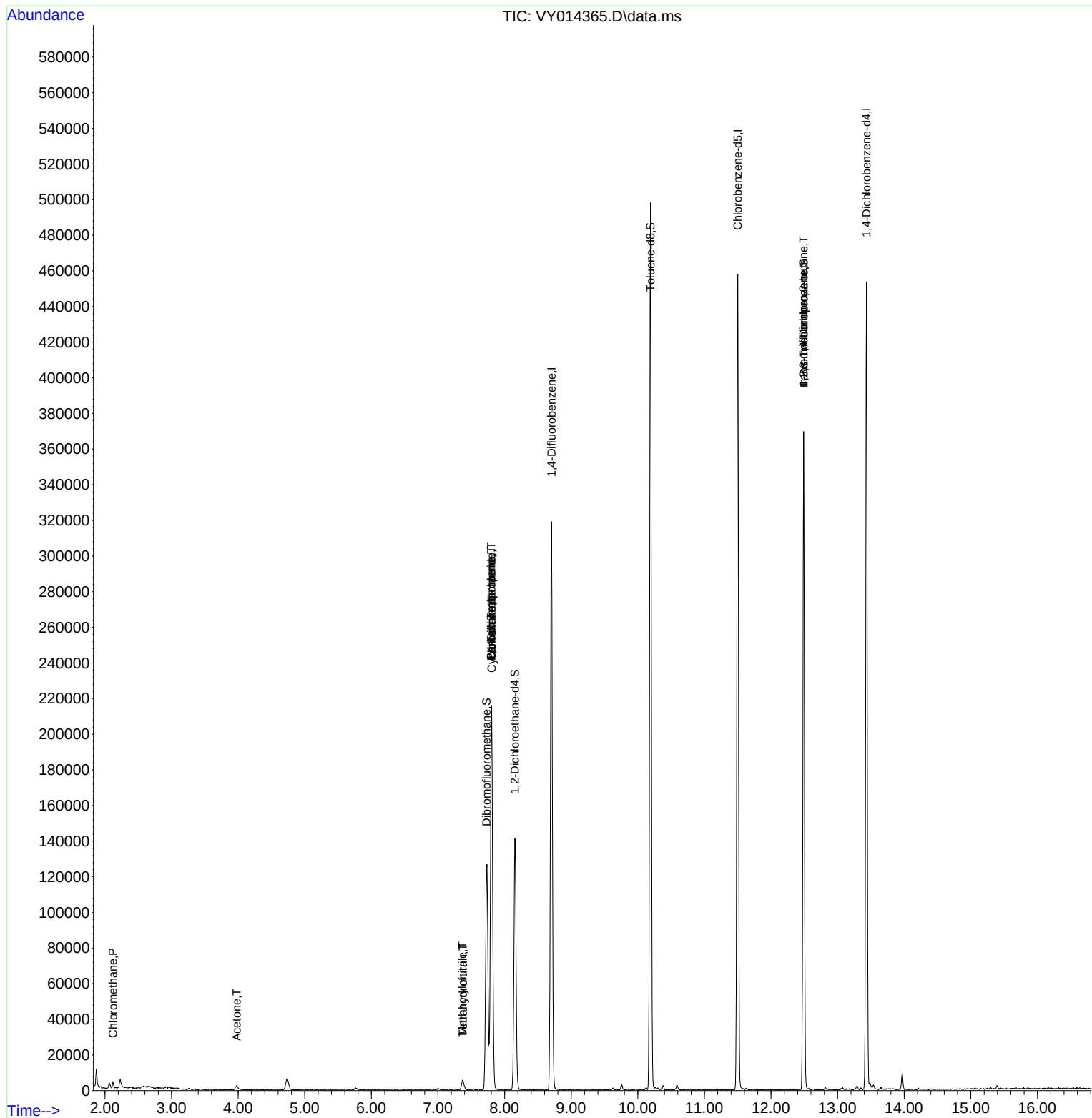
Internal Standards						
1) Pentafluorobenzene	7.801	168	168950	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.703	114	265206	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.502	117	251101	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.434	152	117297	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	120271	51.121	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 102.240%	
35) Dibromofluoromethane	7.728	113	88380	46.991	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 93.980%	
50) Toluene-d8	10.191	98	318576	45.307	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	= 90.620%	
62) 4-Bromofluorobenzene	12.489	95	103906	41.599	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 83.200%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.119	50	2582	1.081	ug/l	93
11) Tert butyl alcohol	4.991	59	343	Below Cal	#	89
16) Acetone	3.979	43	4385	6.183	ug/l	89
20) Methylene Chloride	4.722	84	2495	Below Cal	#	79
29) Tetrahydrofuran	7.374	42	4346	7.851	ug/l	98
31) Cyclohexane	7.807	56	3874	1.229	ug/l #	19
36) 1,1-Dichloropropene	7.801	75	12510	4.266	ug/l #	51
38) Carbon Tetrachloride	7.801	117	16182	4.782	ug/l #	17
41) Methacrylonitrile	7.368	41	2571	2.490	ug/l #	43
76) 1,2,3-Trichloropropane	12.489	75	55334	35.957	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	55334	77.724	ug/l #	11

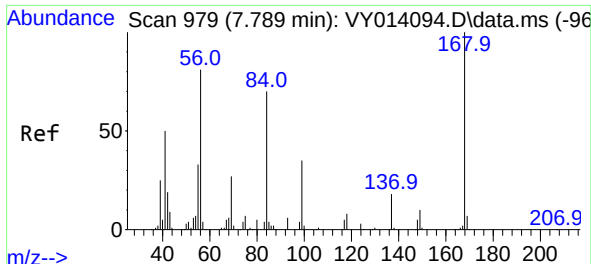
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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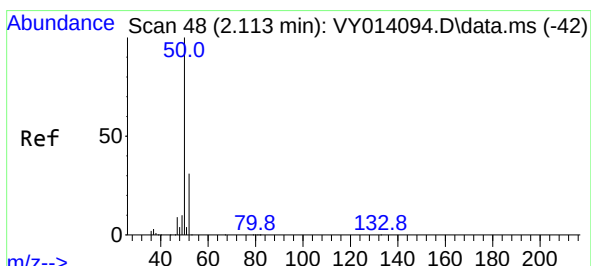
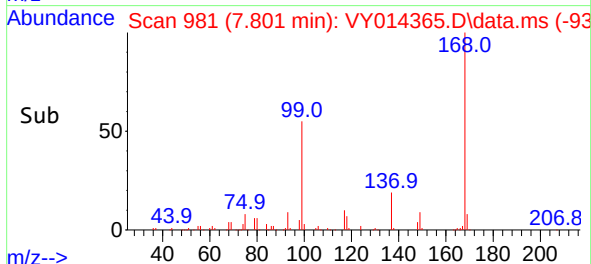
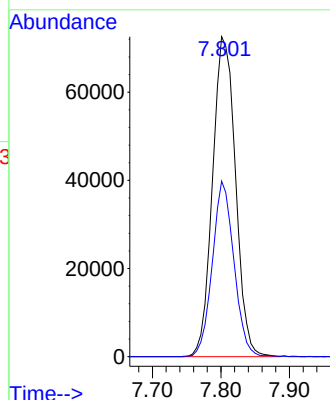
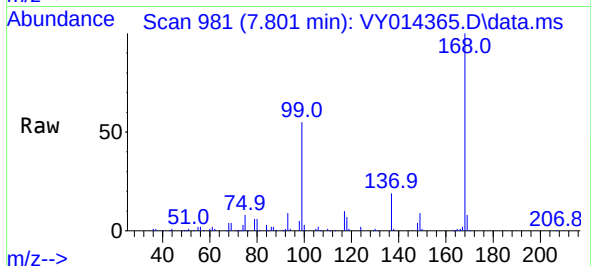




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY014365.D
Acq: 22 Jun 2023 06:31

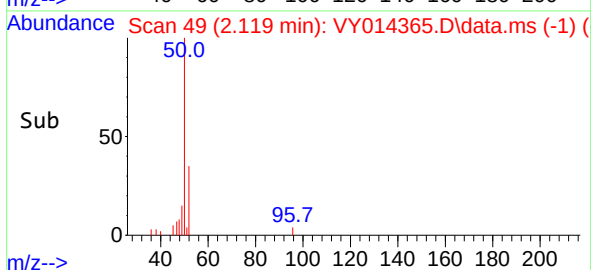
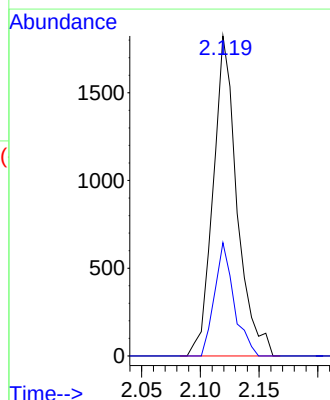
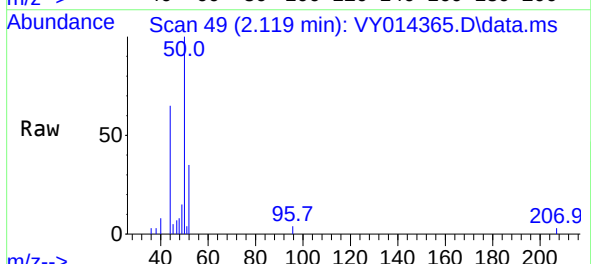
Instrument :
MSVOA_Y
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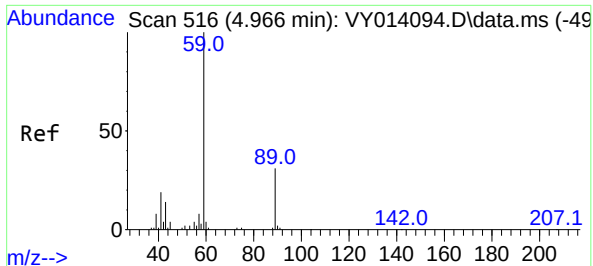
Tgt Ion:168 Resp: 168950
Ion Ratio Lower Upper
168 100
99 54.8 43.4 65.0



#3
Chloromethane
Concen: 1.081 ug/l
RT: 2.119 min Scan# 49
Delta R.T. 0.006 min
Lab File: VY014365.D
Acq: 22 Jun 2023 06:31

Tgt Ion: 50 Resp: 2582
Ion Ratio Lower Upper
50 100
52 35.4 25.4 38.2

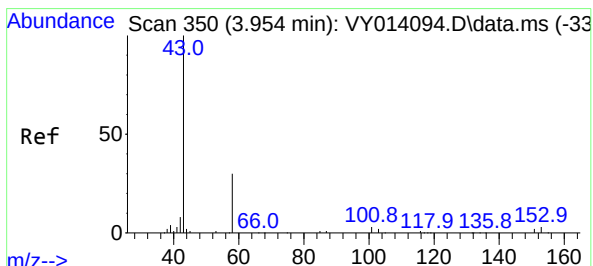
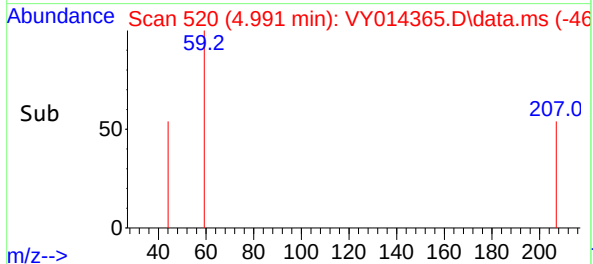
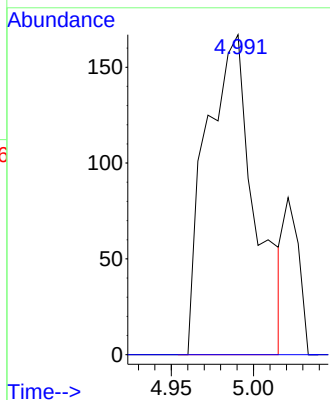
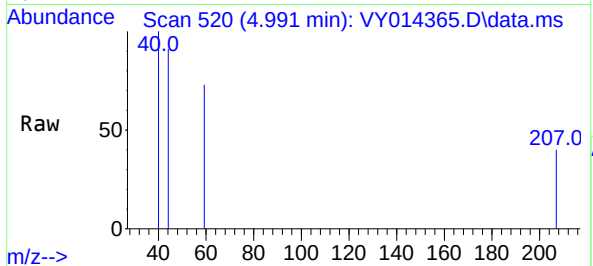




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.991 min Scan# 516
Delta R.T. 0.025 min
Lab File: VY014365.D
Acq: 22 Jun 2023 06:31

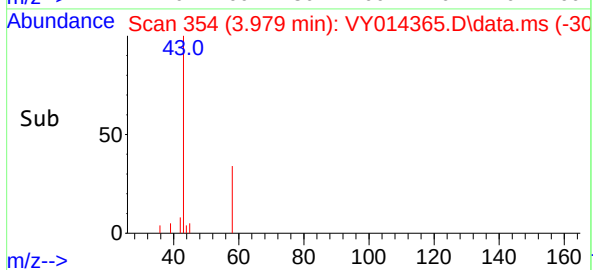
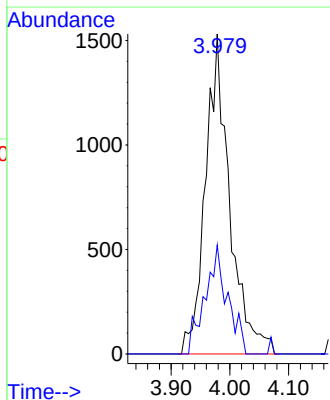
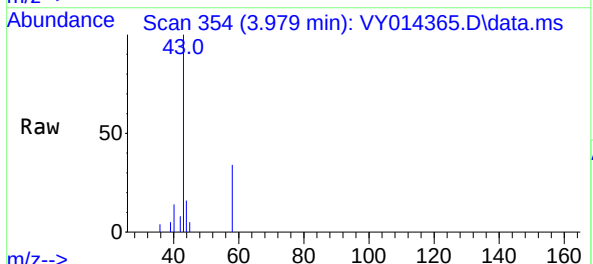
Instrument : MSVOA_Y
ClientSampleId : TOTAL-VOC-MC02-GRAB-7

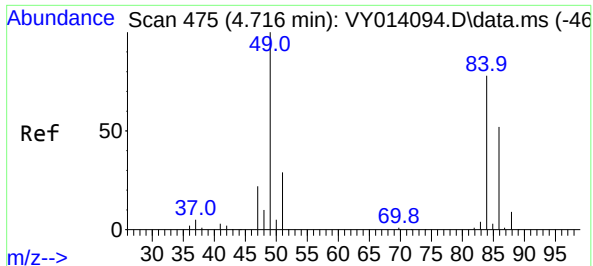
Tgt Ion: 59 Resp: 343
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#



#16
Acetone
Concen: 6.183 ug/l
RT: 3.979 min Scan# 354
Delta R.T. 0.025 min
Lab File: VY014365.D
Acq: 22 Jun 2023 06:31

Tgt Ion: 43 Resp: 4385
Ion Ratio Lower Upper
43 100
58 34.0 22.7 34.1



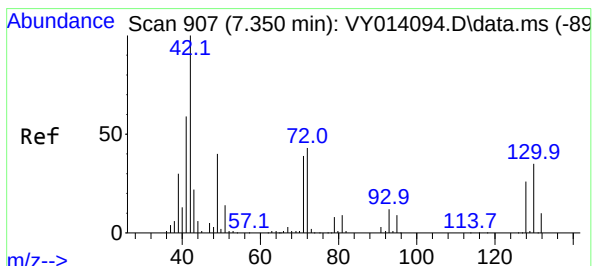
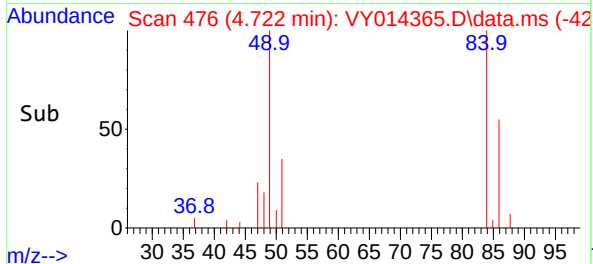
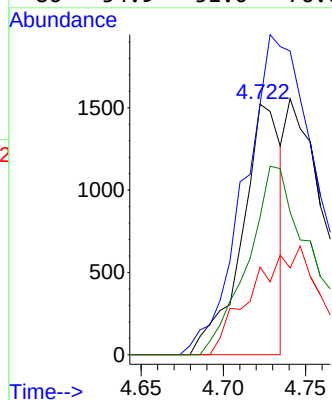
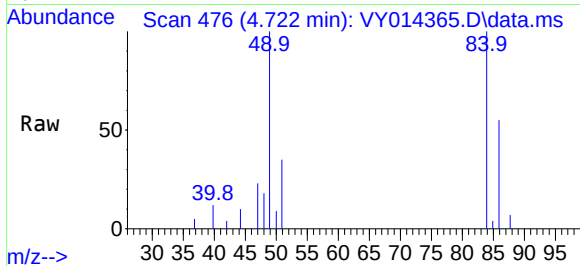


#20
Methylene Chloride
Concen: Below Cal
RT: 4.722 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY014365.D
Acq: 22 Jun 2023 06:31

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-MC02-GRAB-7

Tgt Ion: 84 Resp: 2495

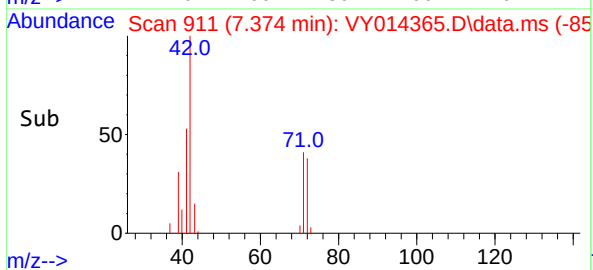
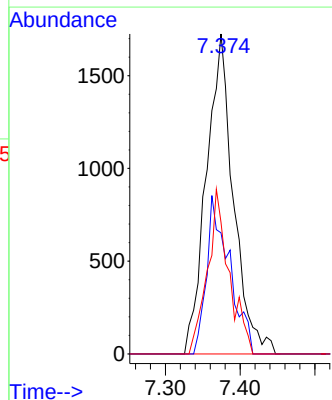
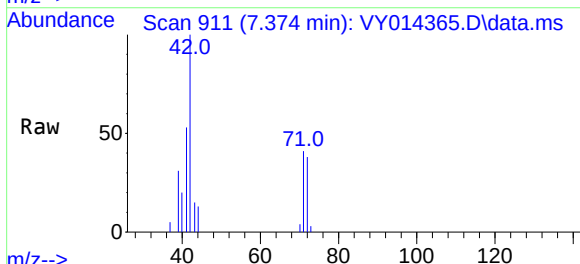
Ion	Ratio	Lower	Upper
84	100		
49	99.8	106.9	160.3#
51	35.0	33.2	49.8
86	54.9	51.0	76.6

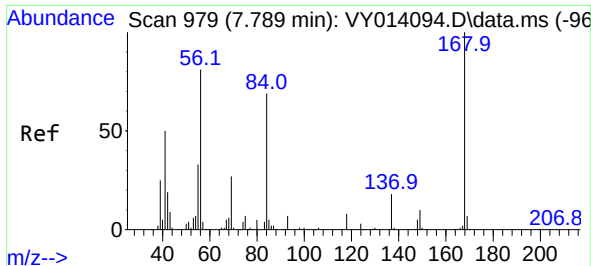


#29
Tetrahydrofuran
Concen: 7.851 ug/l
RT: 7.374 min Scan# 911
Delta R.T. 0.024 min
Lab File: VY014365.D
Acq: 22 Jun 2023 06:31

Tgt Ion: 42 Resp: 4346

Ion	Ratio	Lower	Upper
42	100		
72	41.4	32.8	49.2
71	40.9	31.0	46.4

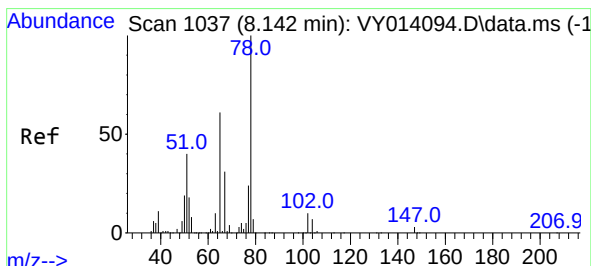
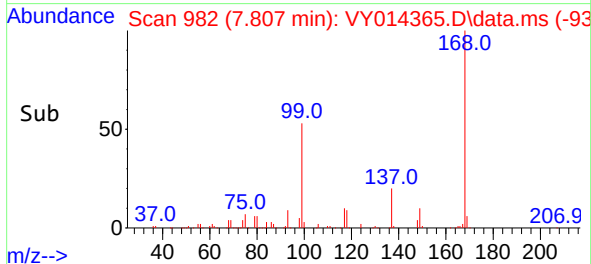
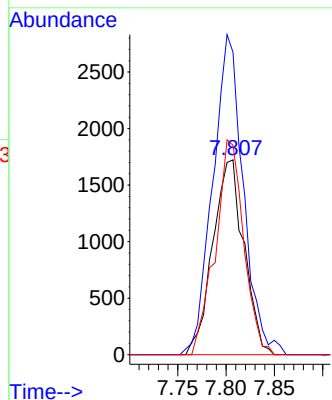
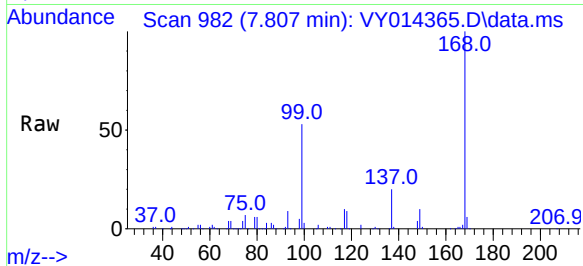




#31
Cyclohexane
Concen: 1.229 ug/l
RT: 7.807 min Scan# 91
Delta R.T. 0.018 min
Lab File: VY014365.D
Acq: 22 Jun 2023 06:31

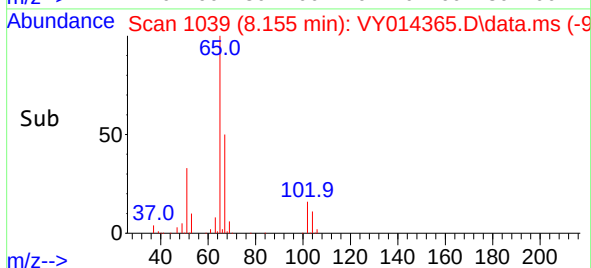
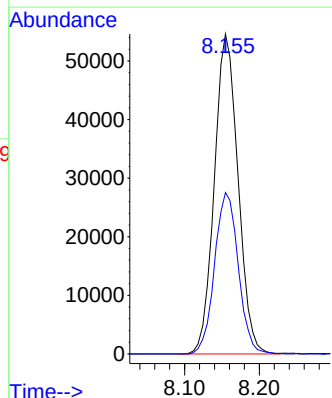
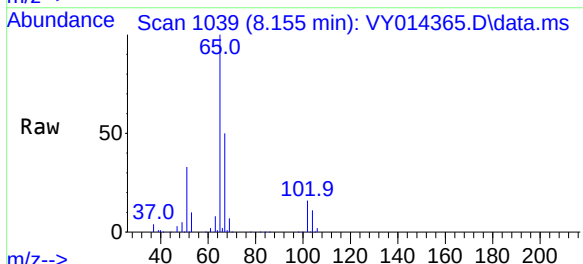
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-MC02-GRAB-7

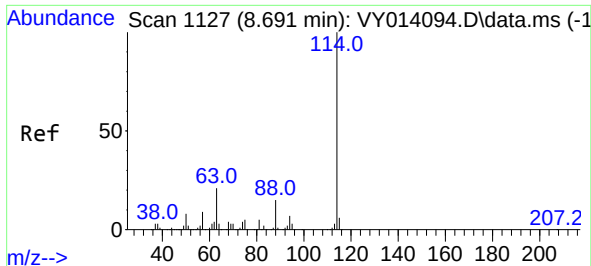
Tgt Ion: 56 Resp: 3874
Ion Ratio Lower Upper
56 100
69 155.3 27.8 41.6#
84 107.5 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 51.121 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. 0.013 min
Lab File: VY014365.D
Acq: 22 Jun 2023 06:31

Tgt Ion: 65 Resp: 120271
Ion Ratio Lower Upper
65 100
67 50.5 0.0 101.8

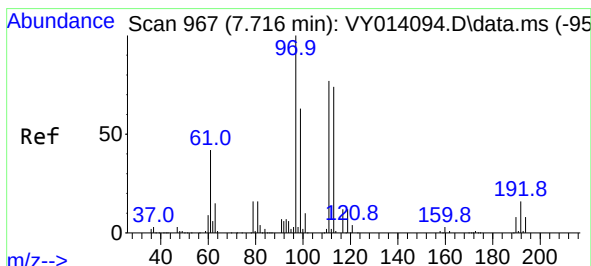
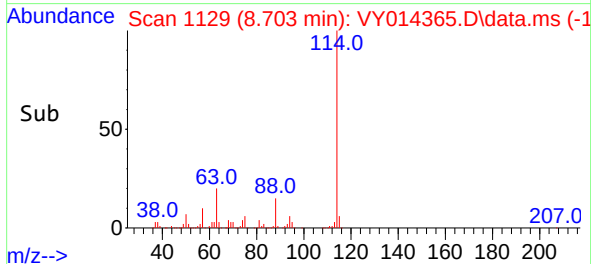
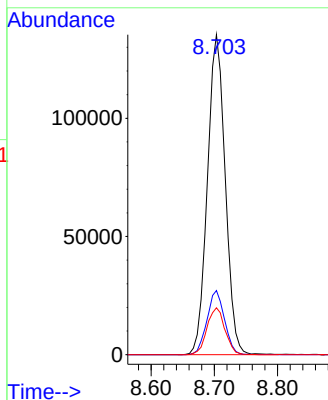
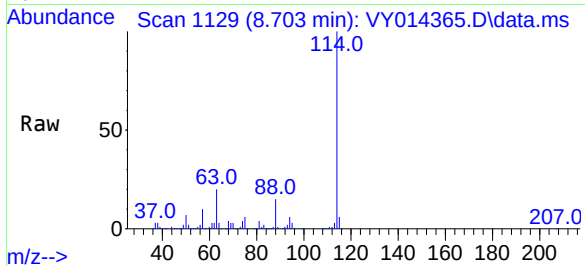




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.703 min Scan# 1127
Delta R.T. 0.012 min
Lab File: VY014365.D
Acq: 22 Jun 2023 06:31

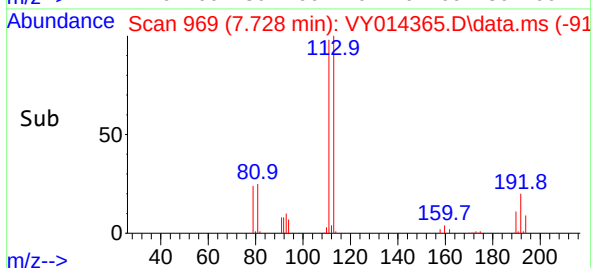
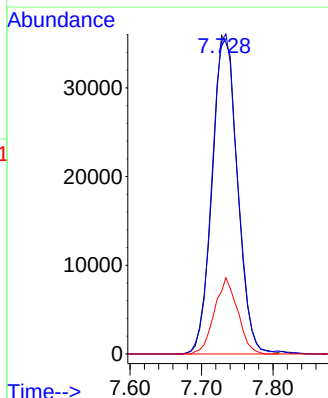
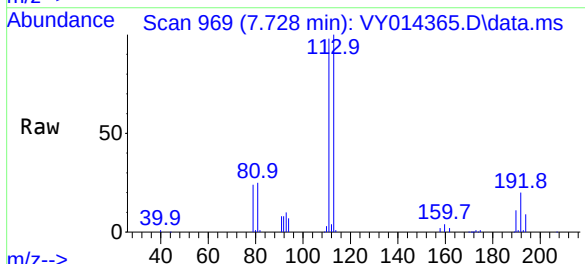
Instrument :
MSVOA_Y
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TOTAL-VOC-MC02-GRAB-7

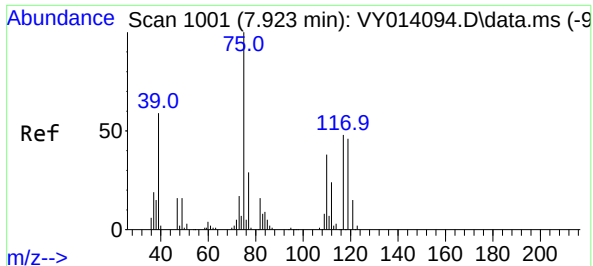
Tgt Ion:	114	Resp:	265206
Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	42.4
88	14.6	0.0	30.6



#35
Dibromofluoromethane
Concen: 46.991 ug/l
RT: 7.728 min Scan# 969
Delta R.T. 0.012 min
Lab File: VY014365.D
Acq: 22 Jun 2023 06:31

Tgt Ion:	113	Resp:	88380
Ion	Ratio	Lower	Upper
113	100		
111	101.1	81.3	121.9
192	21.8	16.9	25.3

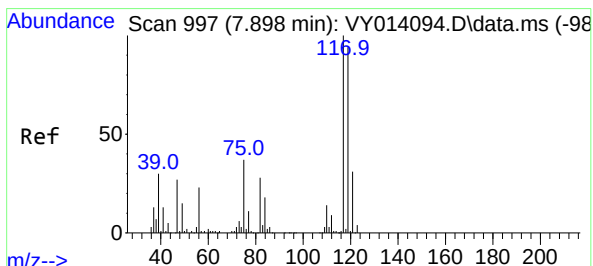
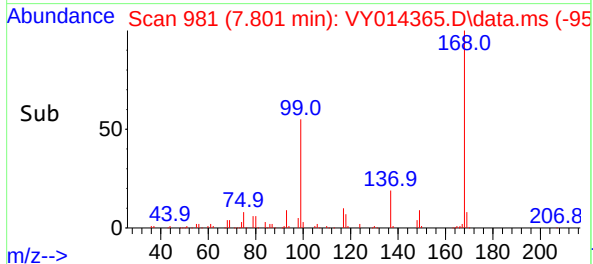
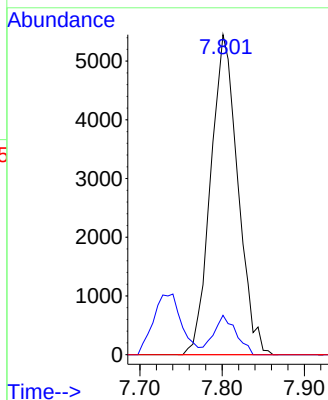
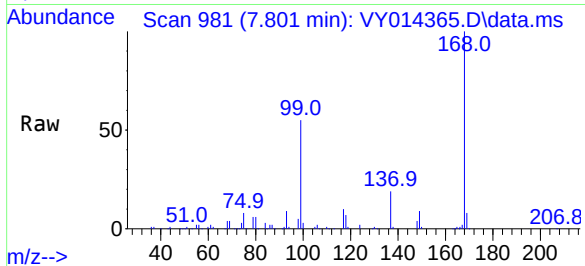




#36
1,1-Dichloropropene
Concen: 4.266 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.122 min
Lab File: VY014365.D
Acq: 22 Jun 2023 06:31

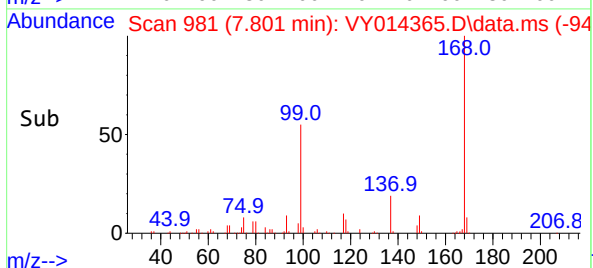
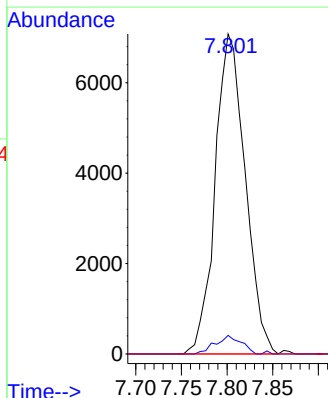
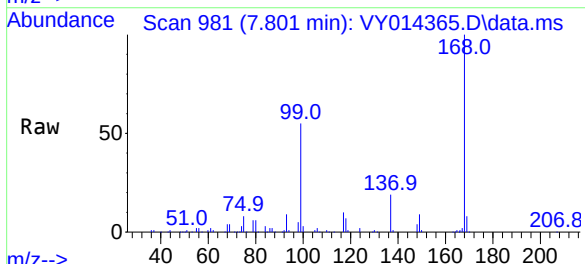
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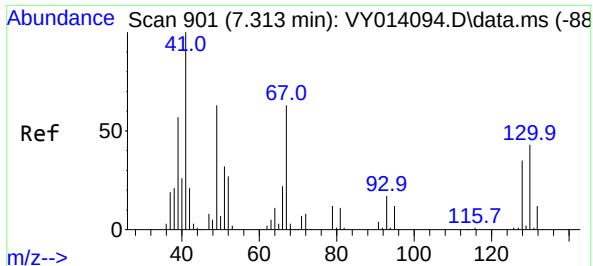
Tgt Ion: 75 Resp: 12510
Ion Ratio Lower Upper
75 100
110 10.3 17.8 53.5#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 4.782 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.097 min
Lab File: VY014365.D
Acq: 22 Jun 2023 06:31

Tgt Ion: 117 Resp: 16182
Ion Ratio Lower Upper
117 100
119 5.8 76.4 114.6#
121 0.0 25.8 38.6#

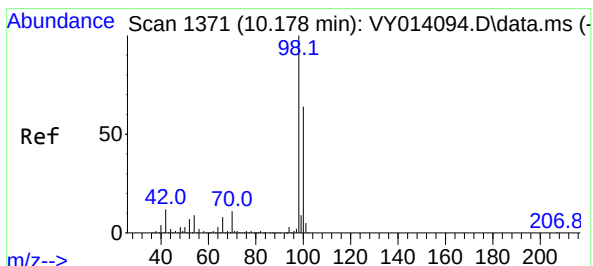
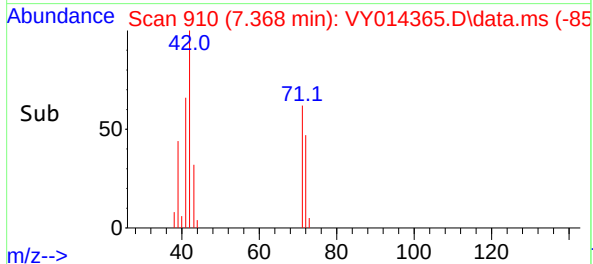
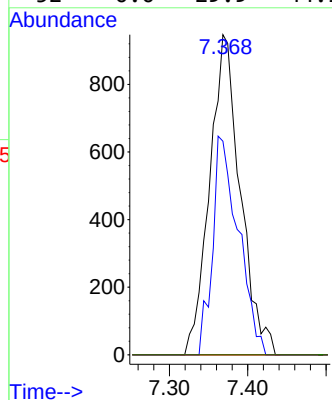
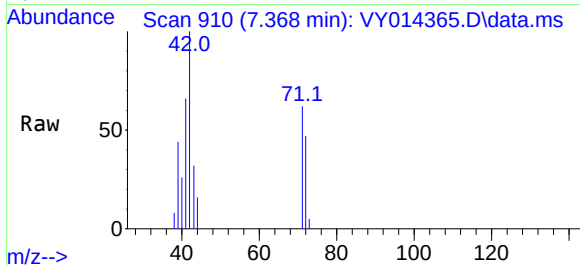




#41
Methacrylonitrile
Concen: 2.490 ug/l
RT: 7.368 min Scan# 910
Delta R.T. 0.055 min
Lab File: VY014365.D
Acq: 22 Jun 2023 06:31

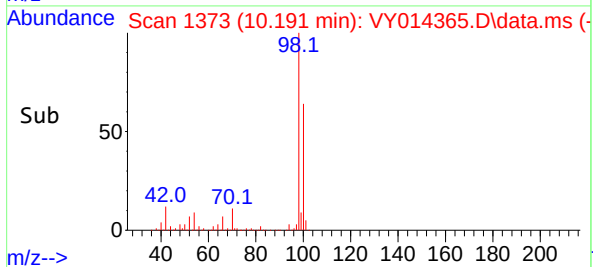
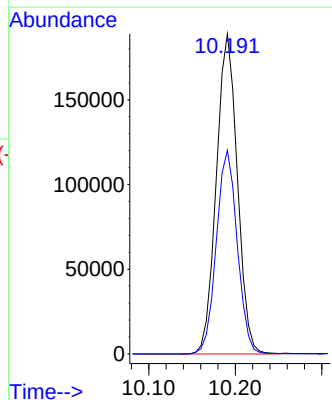
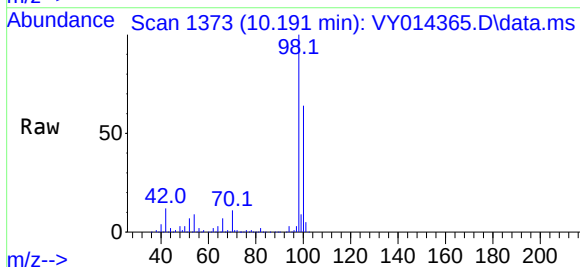
Instrument :
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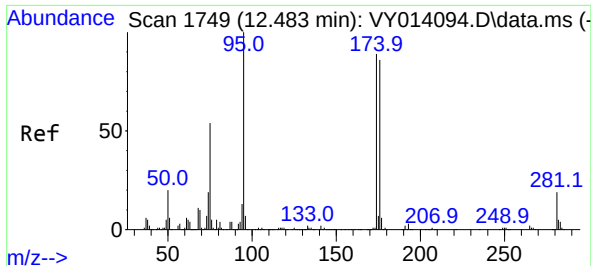
Tgt Ion: 41	Resp: 2571
Ion Ratio	Lower Upper
41 100	
39 57.6	52.1 78.1
67 0.0	66.2 99.2#
52 0.0	29.9 44.9#



#50
Toluene-d8
Concen: 45.307 ug/l
RT: 10.191 min Scan# 1373
Delta R.T. 0.013 min
Lab File: VY014365.D
Acq: 22 Jun 2023 06:31

Tgt Ion: 98	Resp: 318576
Ion Ratio	Lower Upper
98 100	
100 63.2	50.1 75.1

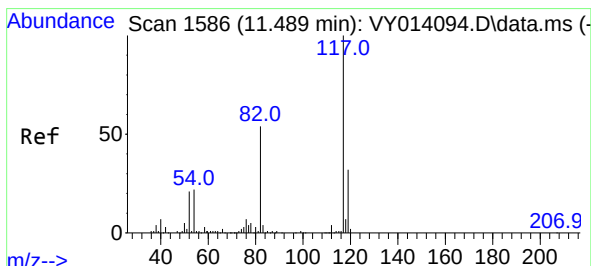
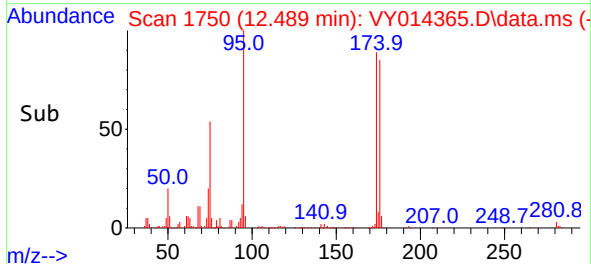
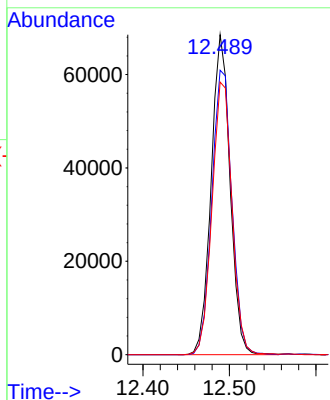
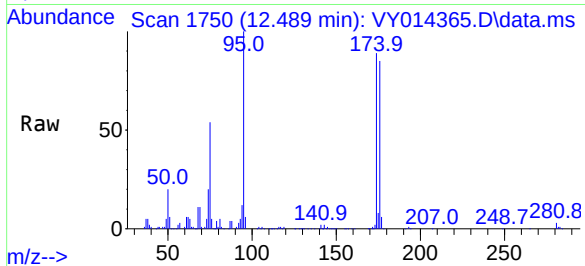




#62
4-Bromofluorobenzene
Concen: 41.599 ug/l
RT: 12.489 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY014365.D
Acq: 22 Jun 2023 06:31

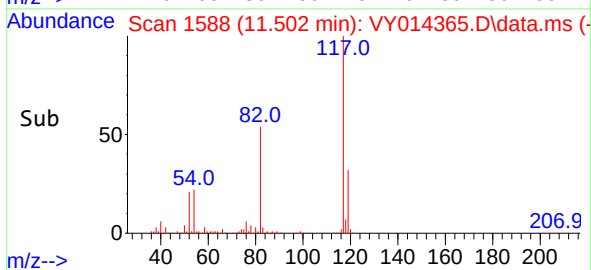
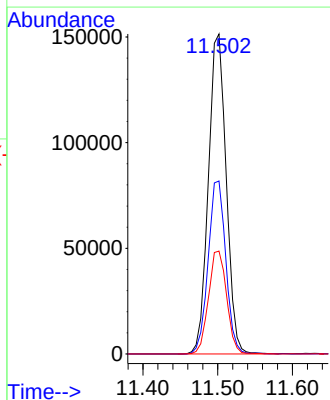
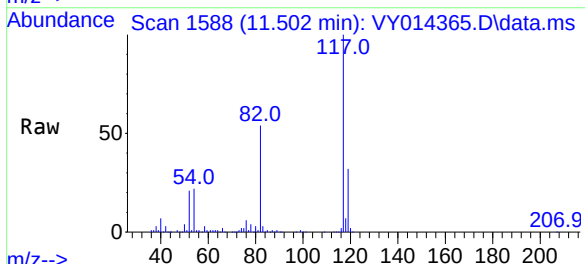
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-MC02-GRAB-7

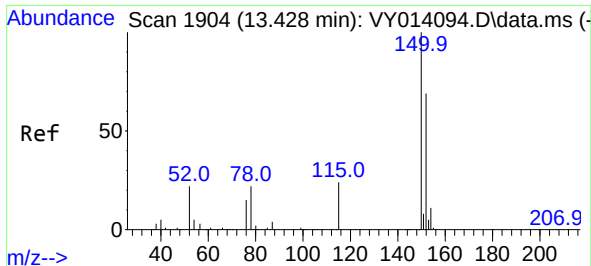
Tgt Ion: 95 Resp: 103906
Ion Ratio Lower Upper
95 100
174 94.2 0.0 178.2
176 90.1 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.502 min Scan# 1588
Delta R.T. 0.013 min
Lab File: VY014365.D
Acq: 22 Jun 2023 06:31

Tgt Ion: 117 Resp: 251101
Ion Ratio Lower Upper
117 100
82 54.1 43.4 65.0
119 32.2 26.3 39.5

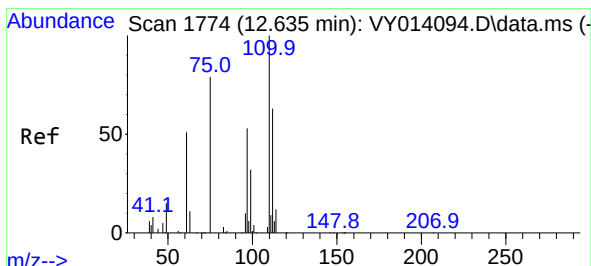
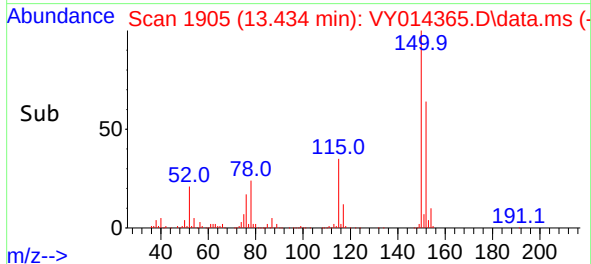
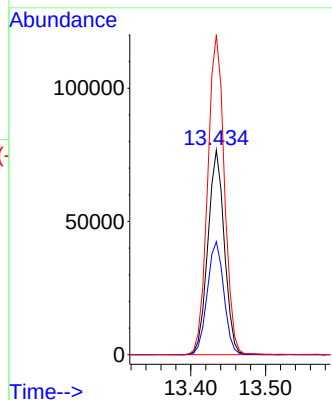
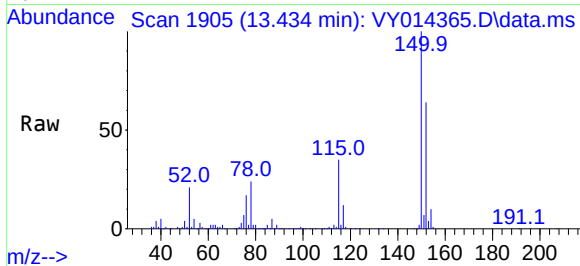




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.434 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY014365.D
Acq: 22 Jun 2023 06:31

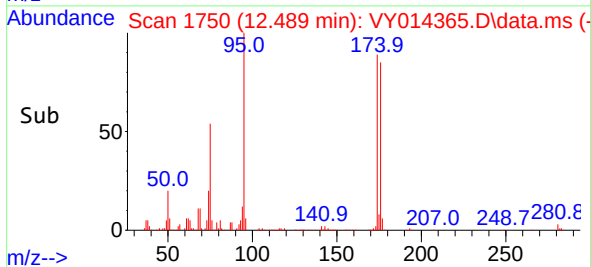
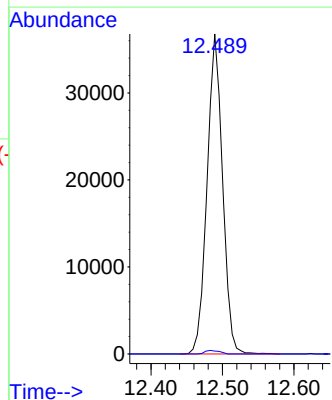
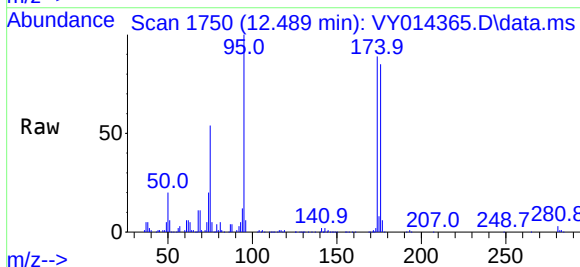
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-MC02-GRAB-7

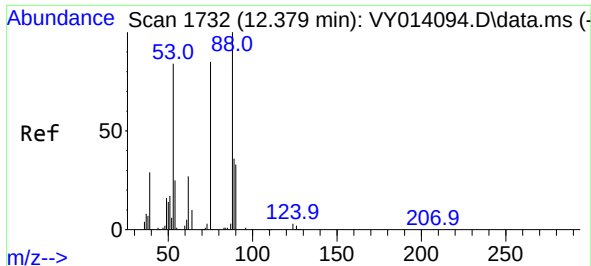
Tgt Ion:152 Resp: 117297
Ion Ratio Lower Upper
152 100
115 55.7 28.8 86.5
150 158.8 0.0 348.8



#76
1,2,3-Trichloropropane
Concen: 35.957 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.146 min
Lab File: VY014365.D
Acq: 22 Jun 2023 06:31

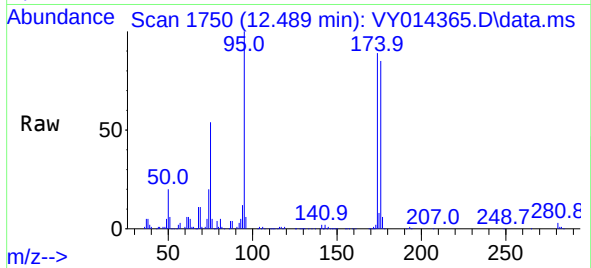
Tgt Ion: 75 Resp: 55334
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 77.724 ug/l
 RT: 12.489 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY014365.D
 Acq: 22 Jun 2023 06:31

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-MC02-GRAB-7



Tgt Ion: 75 Resp: 55334
 Ion Ratio Lower Upper
 75 100
 53 0.1 77.8 116.8#
 89 0.0 37.4 56.0#

