

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062223\
 Data File : VY014394.D
 Acq On : 22 Jun 2023 21:06
 Operator : KP/MD
 Sample : 03362-18RE
 Misc : 12.50g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-SB-19-20-SB-19-GRAB-5RE

Quant Time: Jun 23 05:02:09 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)

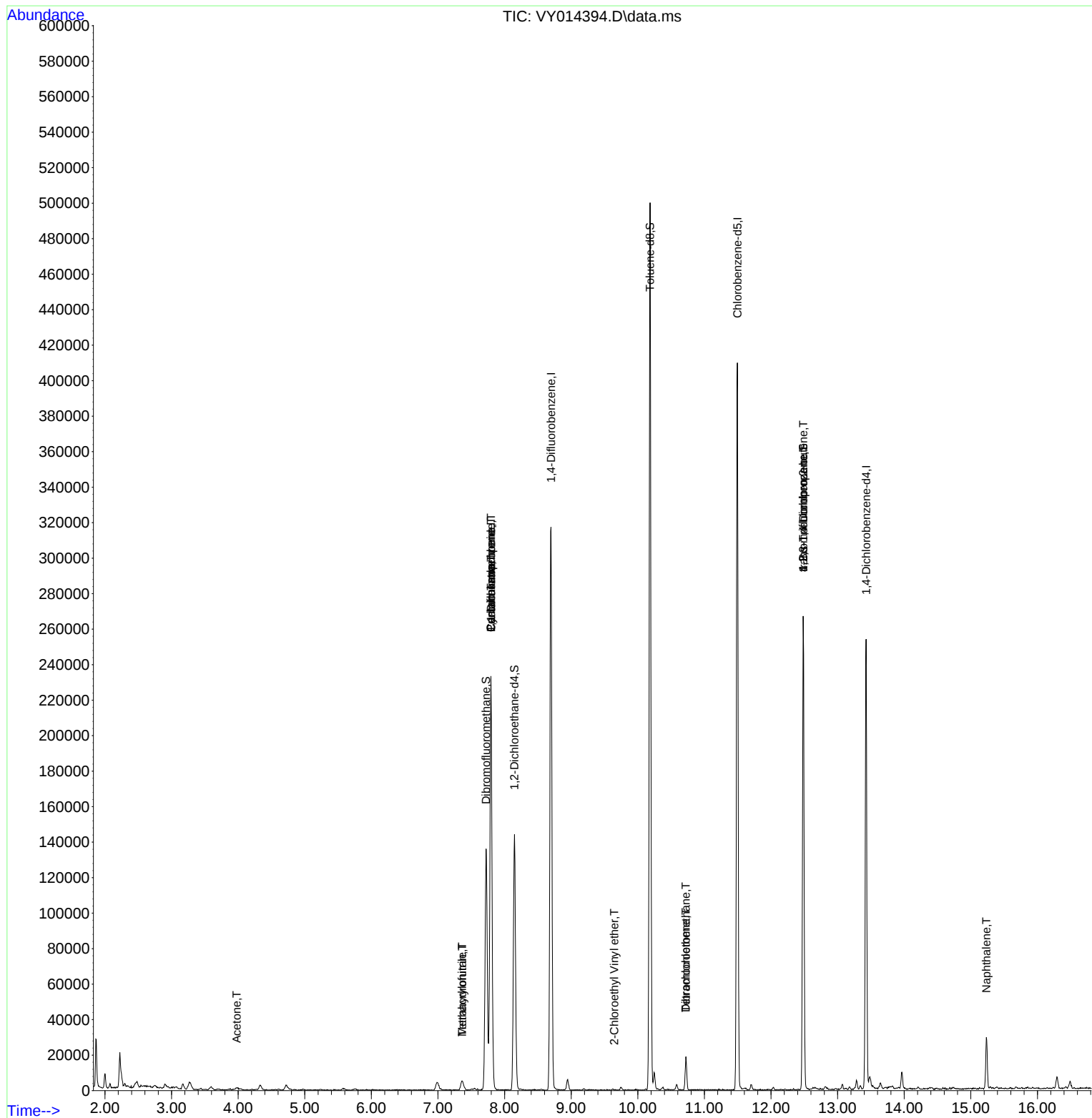
Internal Standards						
1) Pentafluorobenzene	7.795	168	174912	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	274552	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	223408	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	67196	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	122755	50.399	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.800%	
35) Dibromofluoromethane	7.722	113	90303	46.379	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 92.760%	
50) Toluene-d8	10.185	98	319768	43.929	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 87.860%	
62) 4-Bromofluorobenzene	12.483	95	73562	28.448	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 56.900%	
Target Compounds						Qvalue
11) Tert butyl alcohol	4.966	59	338	Below Cal	#	73
16) Acetone	3.978	43	1311	1.786	ug/l	92
20) Methylene Chloride	4.716	84	2017	Below Cal	#	76
29) Tetrahydrofuran	7.362	42	3815	6.657	ug/l	# 88
31) Cyclohexane	7.795	56	3923	1.202	ug/l	# 1
36) 1,1-Dichloropropene	7.795	75	13052	4.300	ug/l	# 51
38) Carbon Tetrachloride	7.795	117	16944	4.837	ug/l	# 17
41) Methacrylonitrile	7.362	41	2459	2.300	ug/l	# 46
58) 2-Chloroethyl Vinyl ether	9.648	63	24	28.638	ug/l	# 48
60) Dibromochloromethane	10.721	129	3400	1.419	ug/l	# 11
64) Tetrachloroethene	10.721	164	3886	2.041	ug/l	89
76) 1,2,3-Trichloropropane	12.483	75	40180	45.576	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	40180	98.519	ug/l	# 11
95) Naphthalene	15.232	128	24696	8.313	ug/l	100

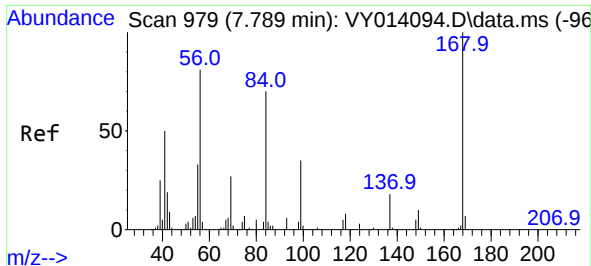
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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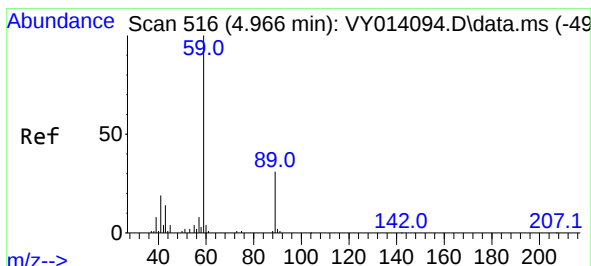
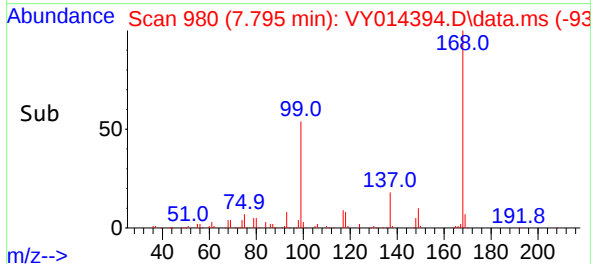
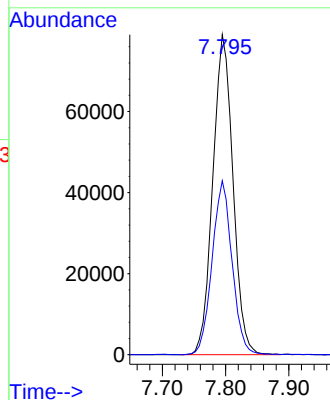
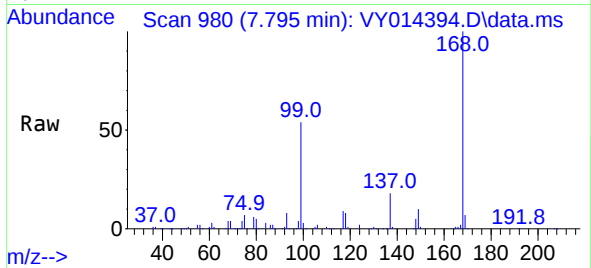




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014394.D
Acq: 22 Jun 2023 21:06

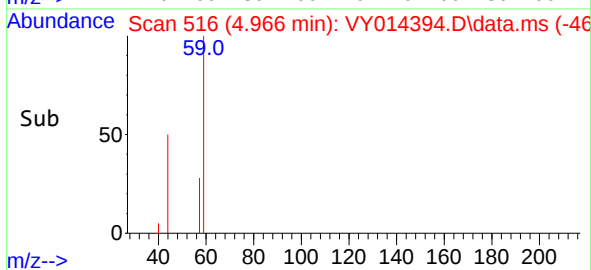
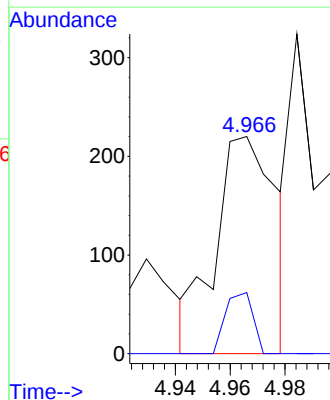
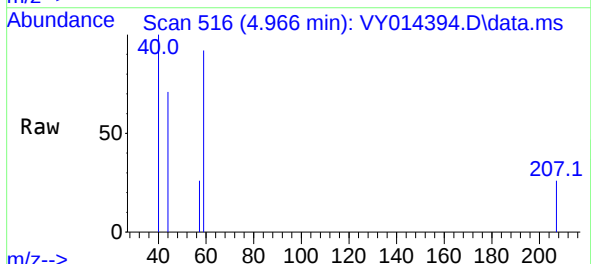
Instrument :
MSVOA_Y
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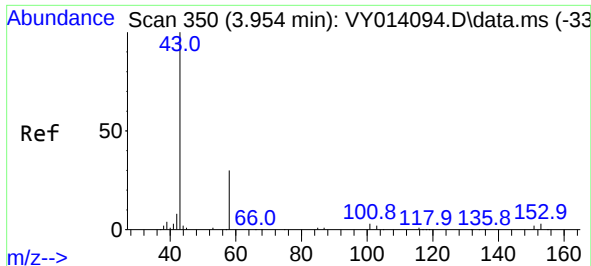
Tgt Ion:168 Resp: 174912
Ion Ratio Lower Upper
168 100
99 54.3 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.966 min Scan# 516
Delta R.T. 0.000 min
Lab File: VY014394.D
Acq: 22 Jun 2023 21:06

Tgt Ion: 59 Resp: 338
Ion Ratio Lower Upper
59 100
57 12.7 3.0 4.4#

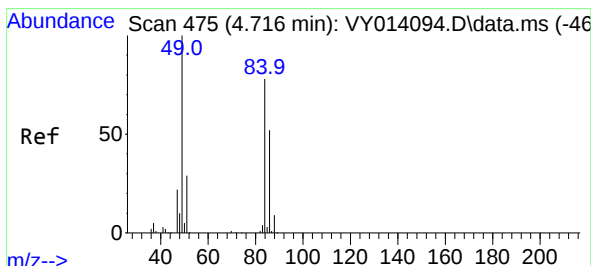
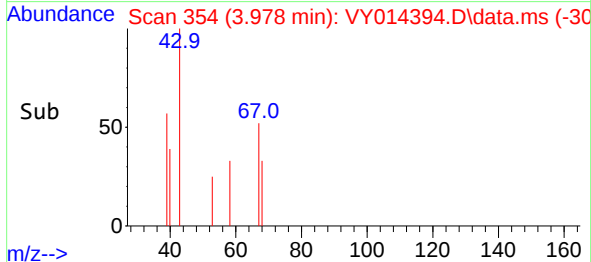
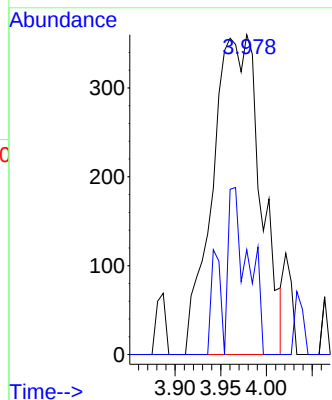
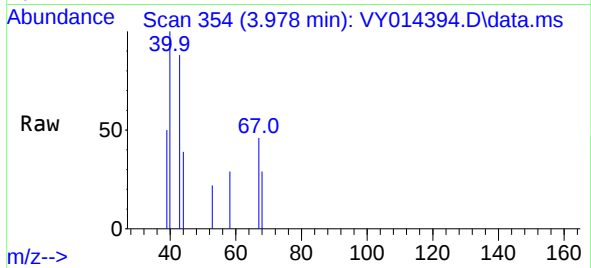




#16
Acetone
Concen: 1.786 ug/l
RT: 3.978 min Scan# 311
Delta R.T. 0.024 min
Lab File: VY014394.D
Acq: 22 Jun 2023 21:06

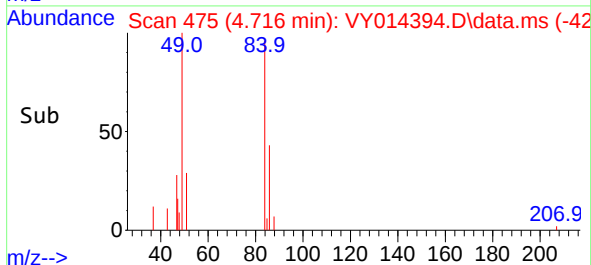
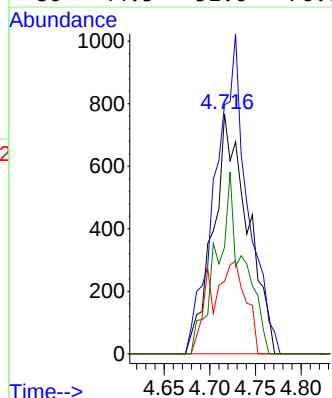
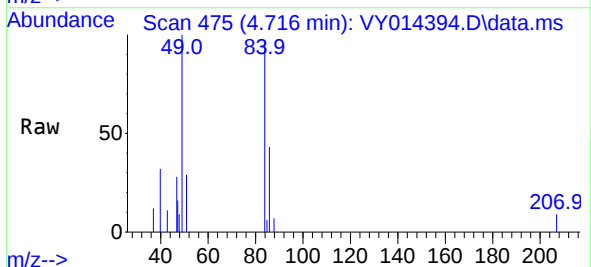
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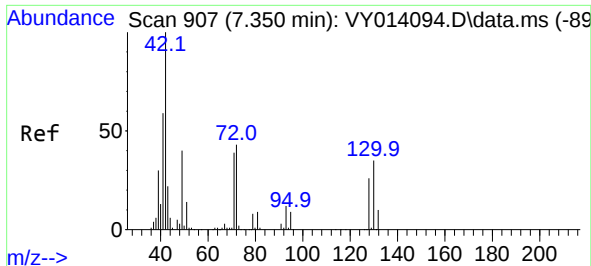
Tgt Ion: 43 Resp: 1311
Ion Ratio Lower Upper
43 100
58 32.8 22.7 34.1



#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY014394.D
Acq: 22 Jun 2023 21:06

Tgt Ion: 84 Resp: 2017
Ion Ratio Lower Upper
84 100
49 103.9 106.9 160.3#
51 30.2 33.2 49.8#
86 44.5 51.0 76.6#





#29

Tetrahydrofuran

Concen: 6.657 ug/l

RT: 7.362 min Scan# 90

Delta R.T. 0.012 min

Lab File: VY014394.D

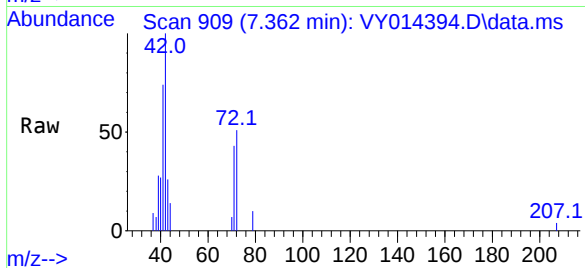
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Instrument :

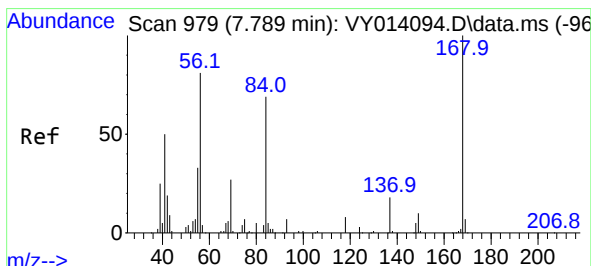
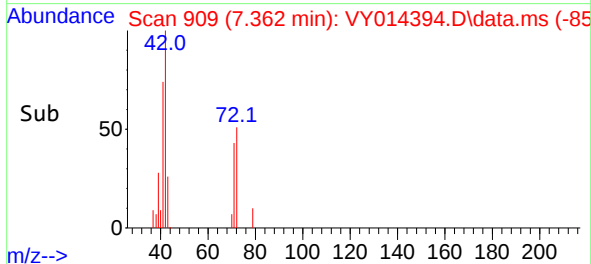
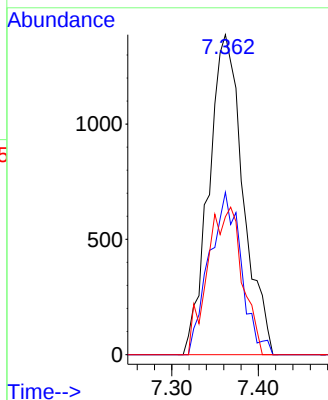
MSVOA_Y

ClientSampleId :

TOTAL-VOC-SB-19-20-SB-19-GRAB-5RE



Tgt Ion:	42	Resp:	3815
Ion	Ratio	Lower	Upper
42	100		
72	47.5	32.8	49.2
71	47.1	31.0	46.4



#31

Cyclohexane

Concen: 1.202 ug/l

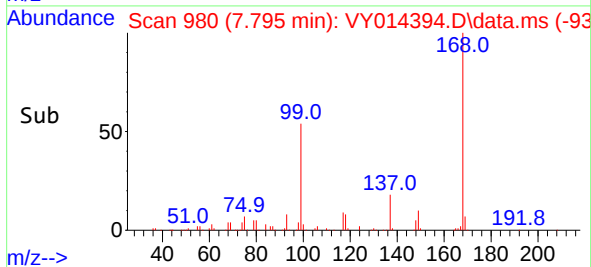
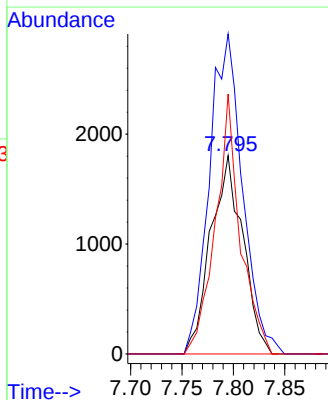
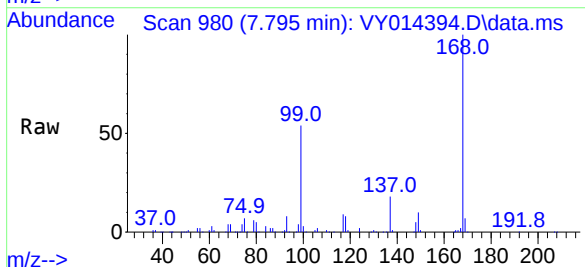
RT: 7.795 min Scan# 980

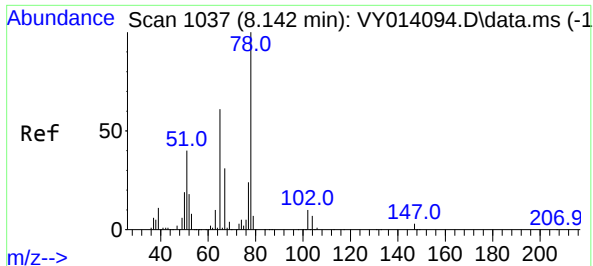
Delta R.T. 0.006 min

Lab File: VY014394.D

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Tgt Ion:	56	Resp:	3923
Ion	Ratio	Lower	Upper
56	100		
69	161.2	27.8	41.6
84	131.0	66.4	99.6

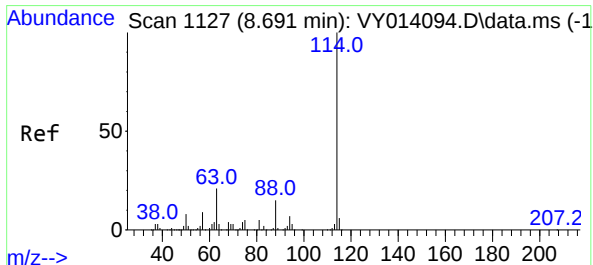
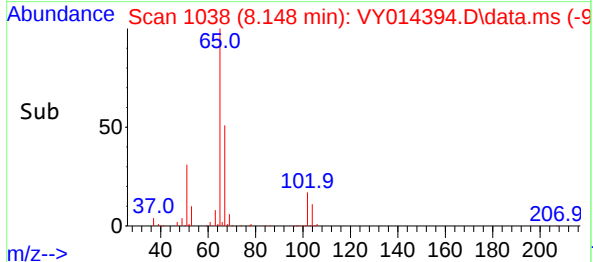
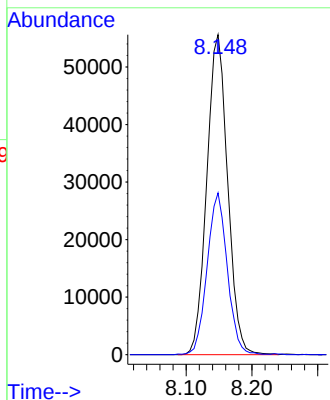
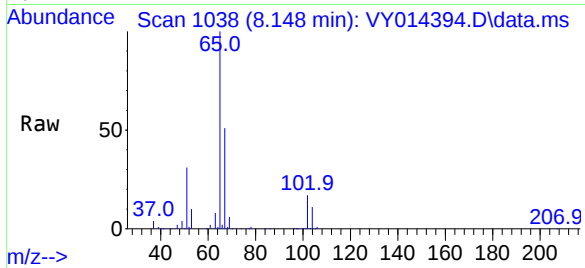




#33
1,2-Dichloroethane-d4
Concen: 50.399 ug/l
RT: 8.148 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY014394.D
Acq: 22 Jun 2023 21:06

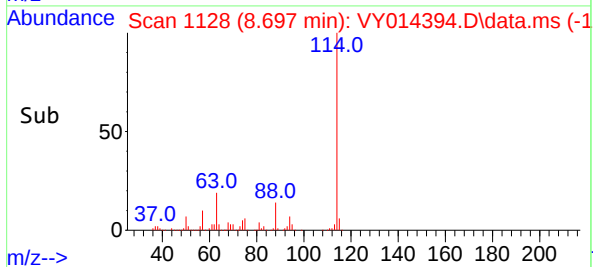
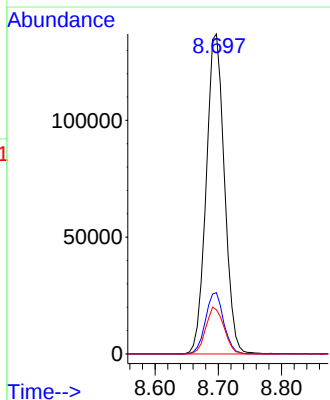
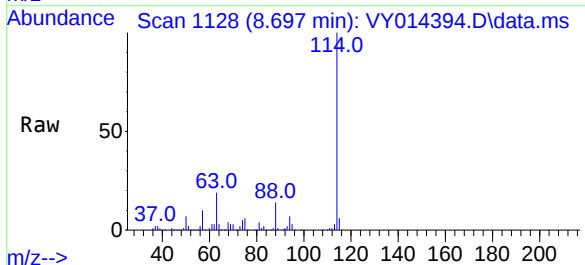
Instrument : MSVOA_Y
ClientSampleId : TOTAL-VOC-SB-19-20-SB-19-GRAB-5RE

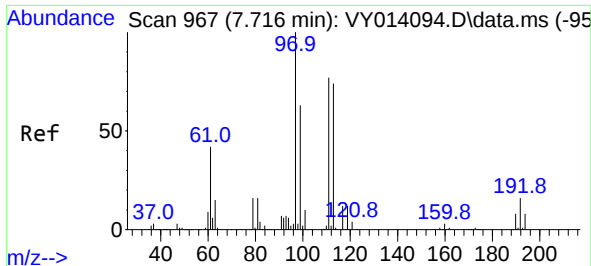
Tgt Ion: 65 Resp: 122755
Ion Ratio Lower Upper
65 100
67 48.9 0.0 101.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VY014394.D
Acq: 22 Jun 2023 21:06

Tgt Ion: 114 Resp: 274552
Ion Ratio Lower Upper
114 100
63 19.1 0.0 42.4
88 13.8 0.0 30.6

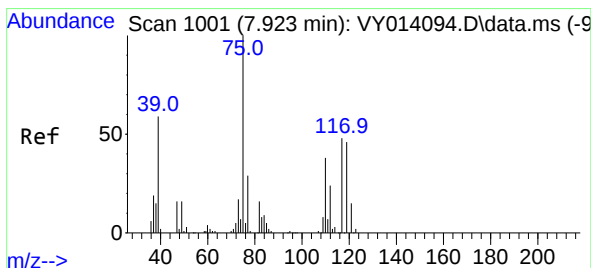
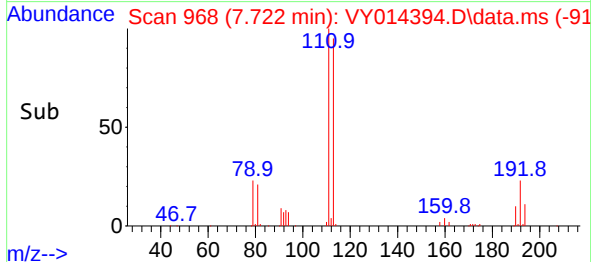
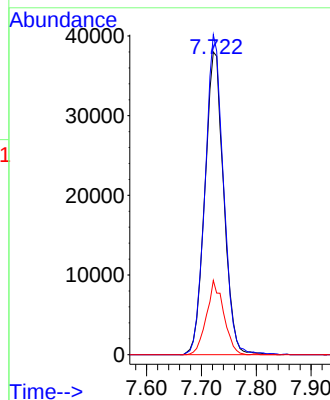
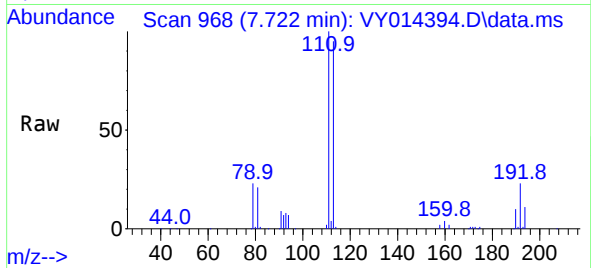




#35
Dibromofluoromethane
Concen: 46.379 ug/l
RT: 7.722 min Scan# 90
Delta R.T. 0.006 min
Lab File: VY014394.D
Acq: 22 Jun 2023 21:06

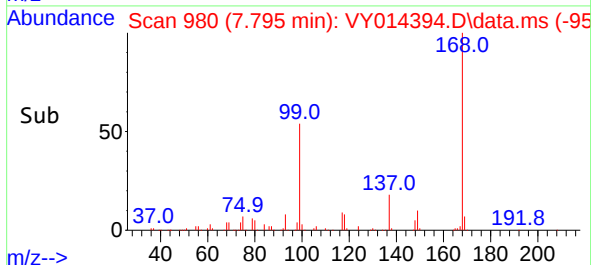
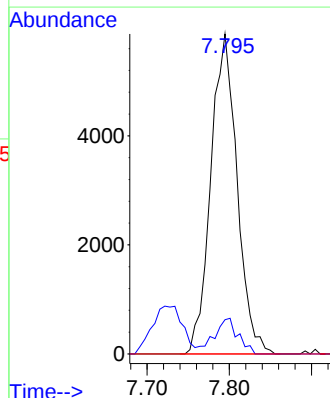
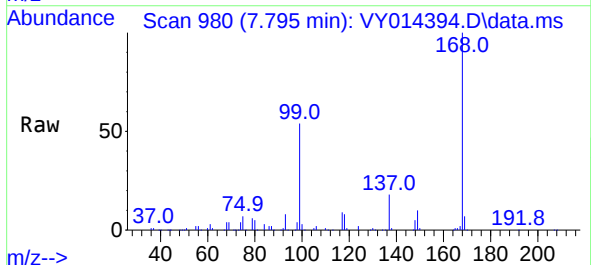
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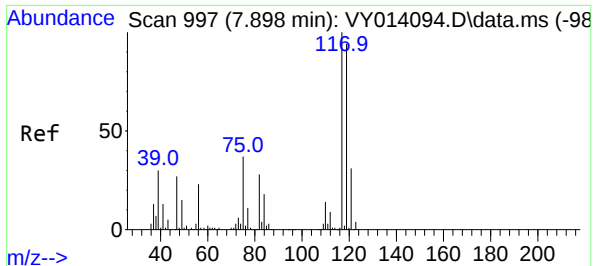
Tgt Ion:113 Resp: 90303
Ion Ratio Lower Upper
113 100
111 103.1 81.3 121.9
192 22.5 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.300 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY014394.D
Acq: 22 Jun 2023 21:06

Tgt Ion: 75 Resp: 13052
Ion Ratio Lower Upper
75 100
110 10.2 17.8 53.5#
77 0.0 24.4 36.6#

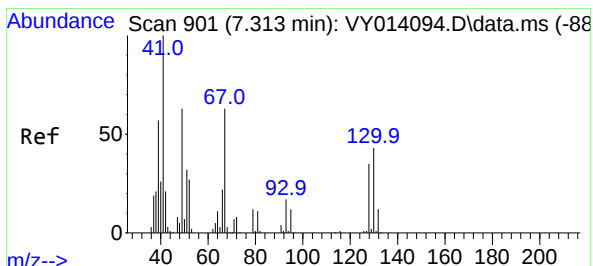
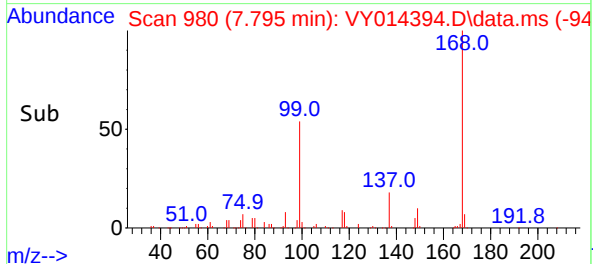
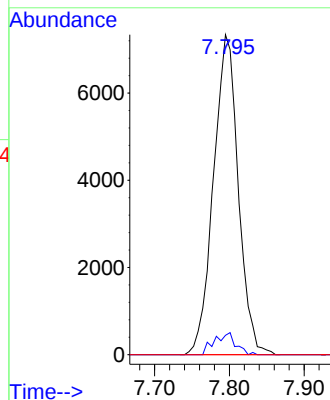
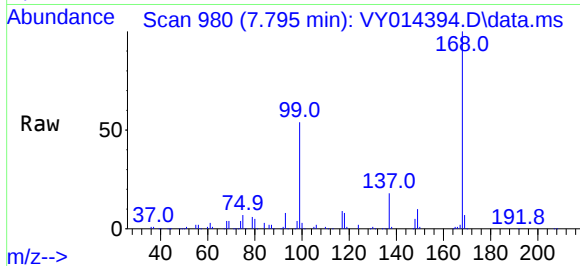




#38
Carbon Tetrachloride
Concen: 4.837 ug/l
RT: 7.795 min Scan# 909
Delta R.T. -0.103 min
Lab File: VY014394.D
Acq: 22 Jun 2023 21:06

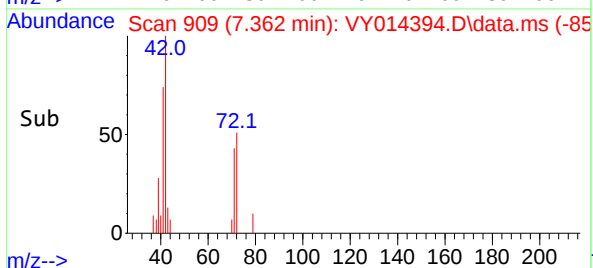
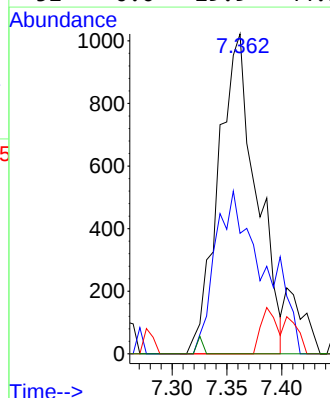
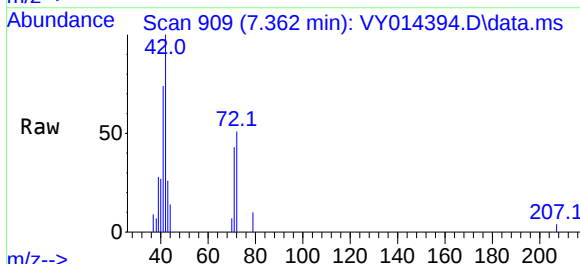
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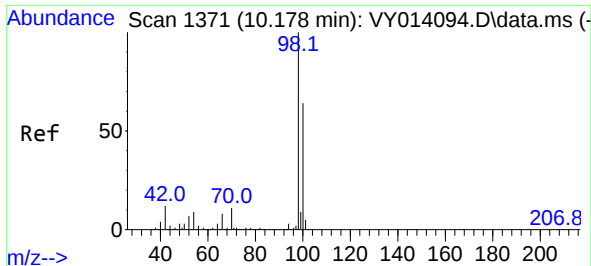
Tgt Ion: 117 Resp: 16944
Ion Ratio Lower Upper
117 100
119 6.0 76.4 114.6#
121 0.0 25.8 38.6#



#41
Methacrylonitrile
Concen: 2.300 ug/l
RT: 7.362 min Scan# 909
Delta R.T. 0.049 min
Lab File: VY014394.D
Acq: 22 Jun 2023 21:06

Tgt Ion: 41 Resp: 2459
Ion Ratio Lower Upper
41 100
39 64.8 52.1 78.1
67 0.0 66.2 99.2#
52 0.0 29.9 44.9#

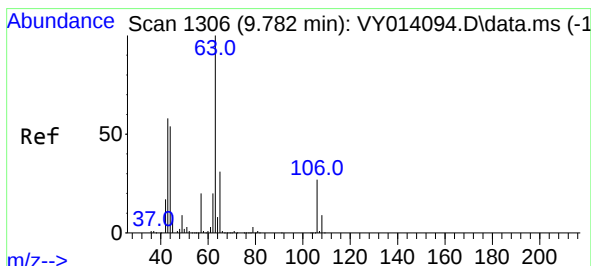
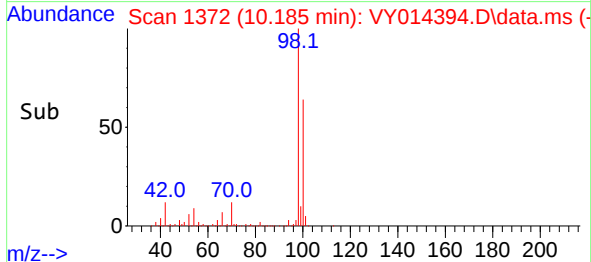
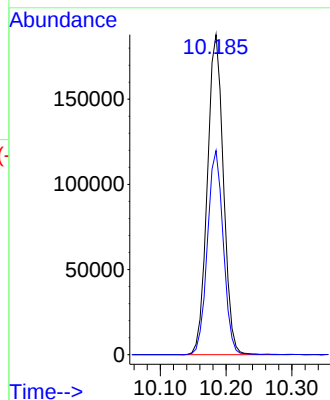
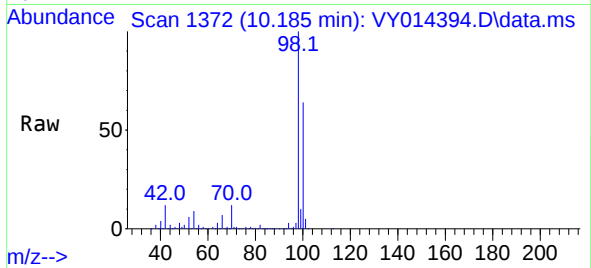




#50
Toluene-d8
Concen: 43.929 ug/l
RT: 10.185 min Scan# 11
Delta R.T. 0.007 min
Lab File: VY014394.D
Acq: 22 Jun 2023 21:06

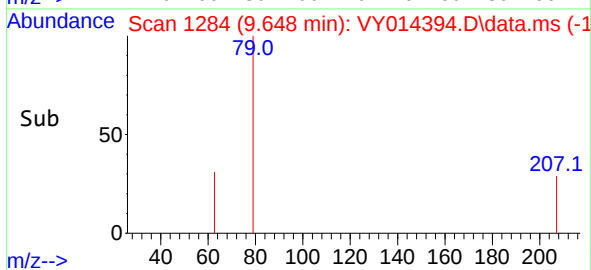
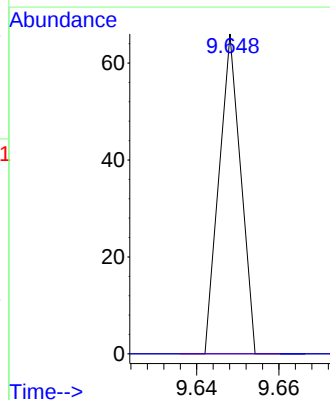
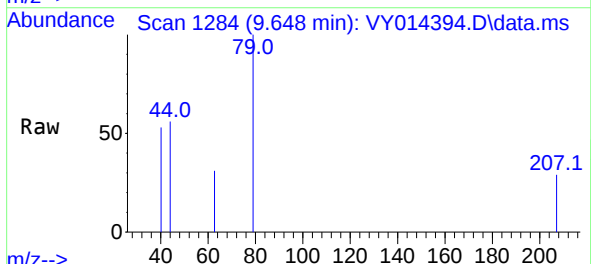
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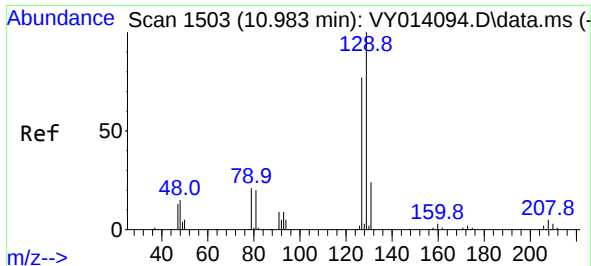
Tgt Ion: 98 Resp: 319768
Ion Ratio Lower Upper
98 100
100 62.9 50.1 75.1



#58
2-Chloroethyl Vinyl ether
Concen: 28.638 ug/l
RT: 9.648 min Scan# 1284
Delta R.T. -0.134 min
Lab File: VY014394.D
Acq: 22 Jun 2023 21:06

Tgt Ion: 63 Resp: 24
Ion Ratio Lower Upper
63 100
106 0.0 21.2 31.8#

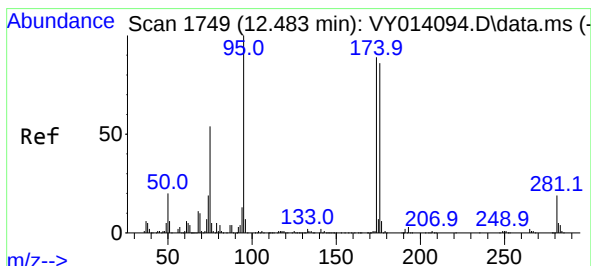
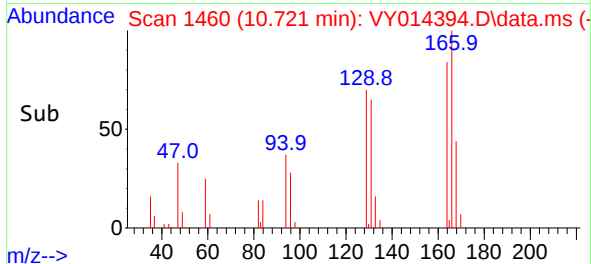
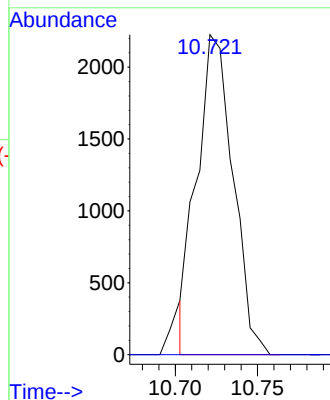
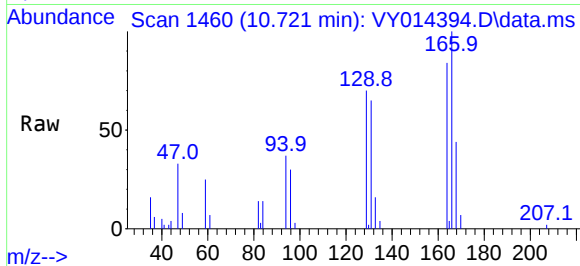




#60
Dibromochloromethane
Concen: 1.419 ug/l
RT: 10.721 min Scan# 1460
Delta R.T. -0.262 min
Lab File: VY014394.D
Acq: 22 Jun 2023 21:06

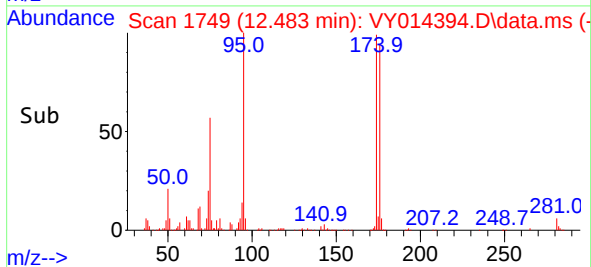
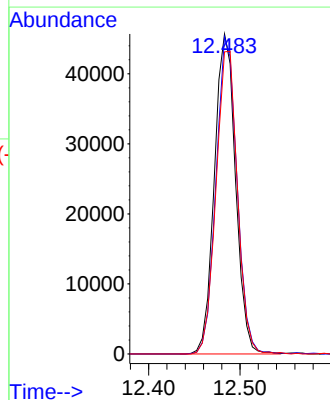
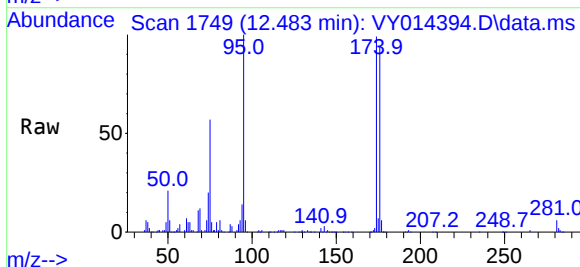
Instrument : MSVOA_Y
ClientSampleId : TOTAL-VOC-SB-19-20-SB-19-GRAB-5RE

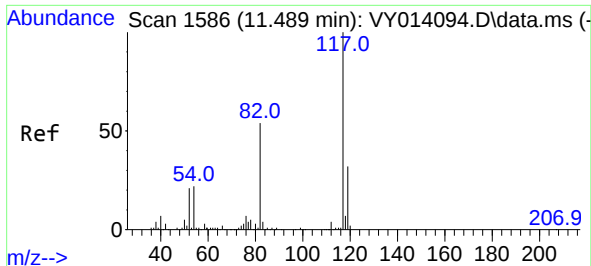
Tgt Ion:129 Resp: 3400
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#



#62
4-Bromofluorobenzene
Concen: 28.448 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY014394.D
Acq: 22 Jun 2023 21:06

Tgt Ion: 95 Resp: 73562
Ion Ratio Lower Upper
95 100
174 98.0 0.0 178.2
176 95.9 0.0 173.8



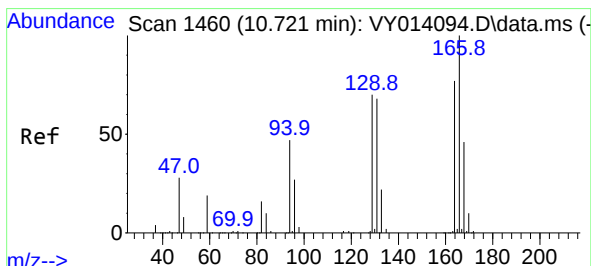
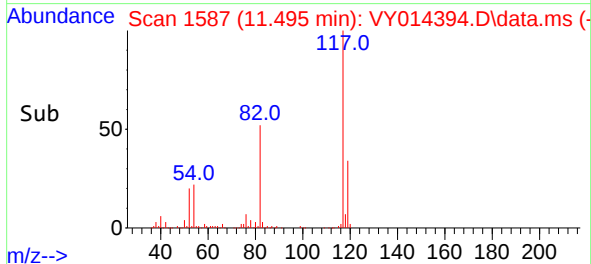
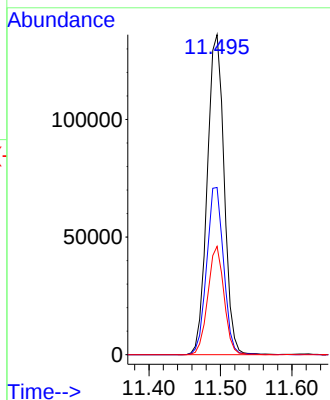
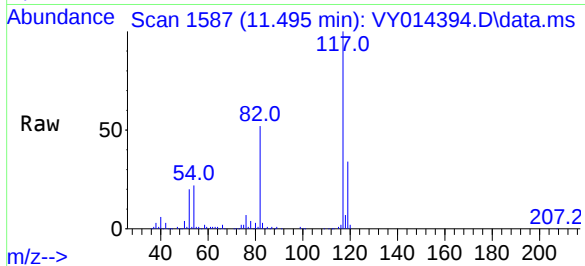


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.495 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY014394.D
Acq: 22 Jun 2023 21:06

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-19-20-SB-19-GRAB-5RE

Tgt Ion:117 Resp: 223408

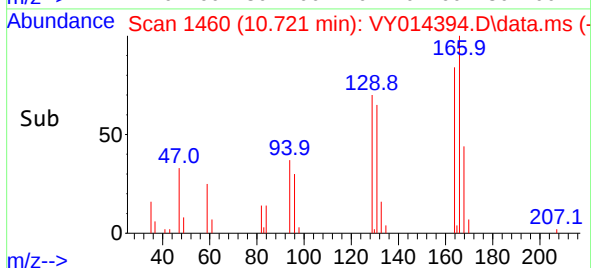
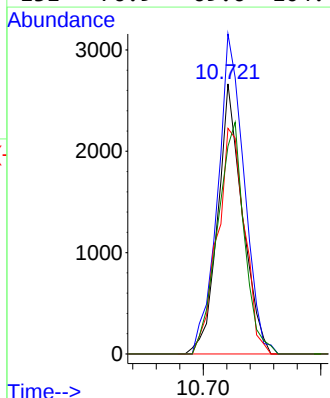
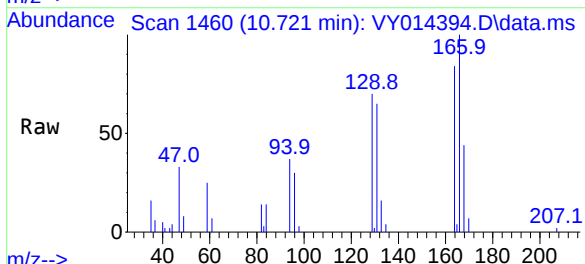
Ion	Ratio	Lower	Upper
117	100		
82	52.3	43.4	65.0
119	33.8	26.3	39.5

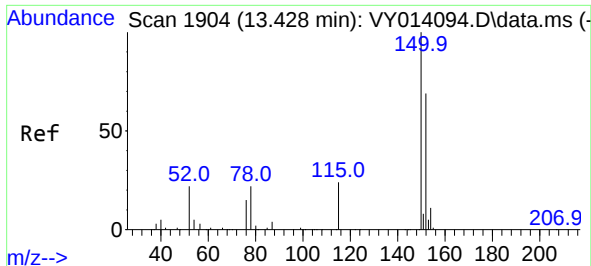


#64
Tetrachloroethene
Concen: 2.041 ug/l
RT: 10.721 min Scan# 1460
Delta R.T. 0.000 min
Lab File: VY014394.D
Acq: 22 Jun 2023 21:06

Tgt Ion:164 Resp: 3886

Ion	Ratio	Lower	Upper
164	100		
166	118.5	103.0	154.6
129	83.5	77.2	115.8
131	76.9	69.6	104.4

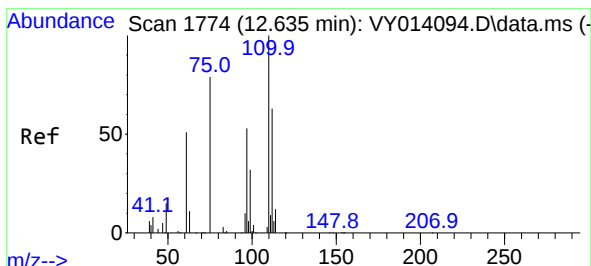
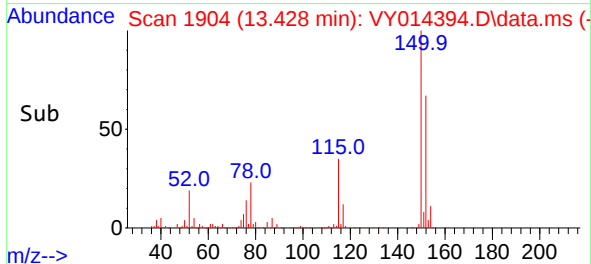
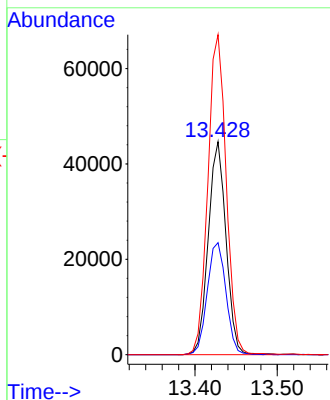
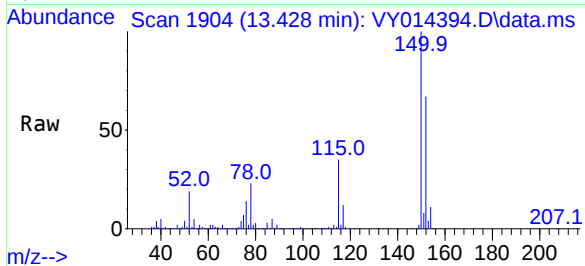




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY014394.D
Acq: 22 Jun 2023 21:06

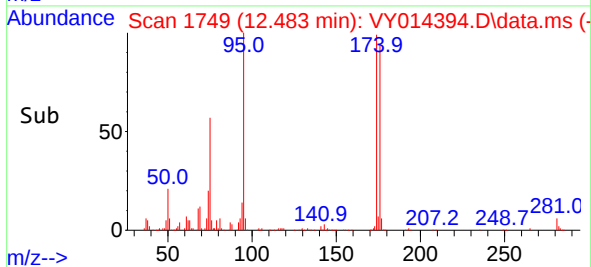
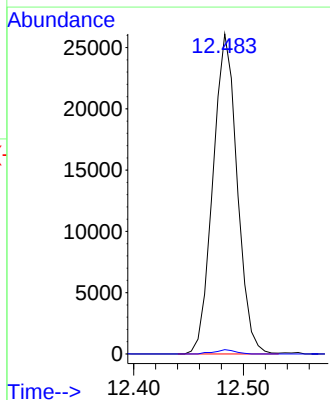
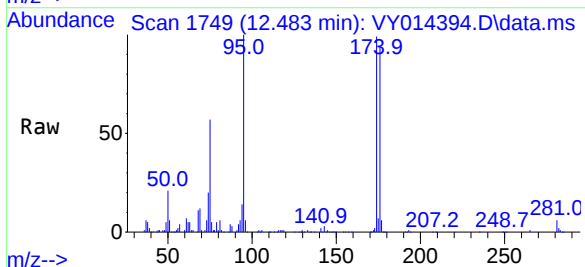
Instrument : MSVOA_Y
ClientSampleId : TOTAL-VOC-SB-19-20-SB-19-GRAB-5RE

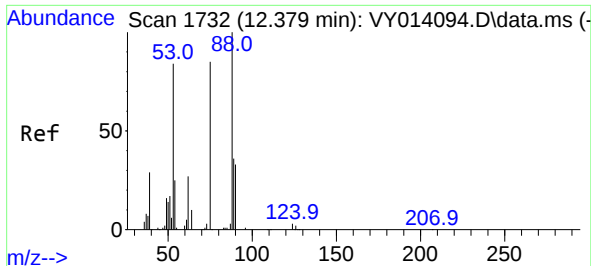
Tgt Ion:152 Resp: 67196
Ion Ratio Lower Upper
152 100
115 55.6 28.8 86.5
150 155.4 0.0 348.8



#76
1,2,3-Trichloropropane
Concen: 45.576 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY014394.D
Acq: 22 Jun 2023 21:06

Tgt Ion: 75 Resp: 40180
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#

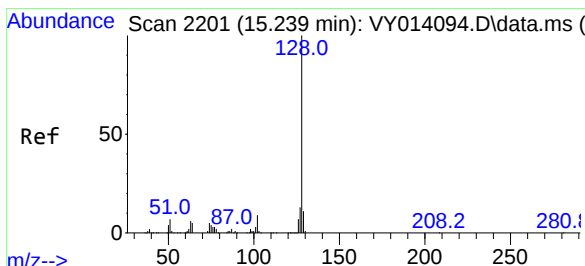
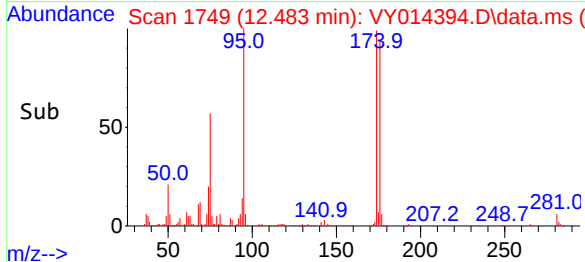
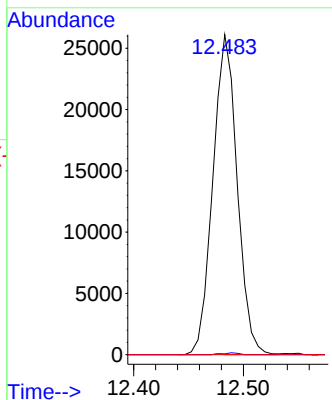
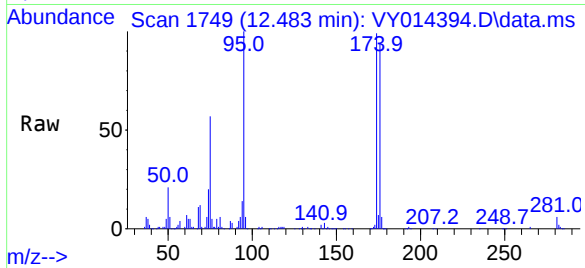




#81
trans-1,4-Dichloro-2-butene
Concen: 98.519 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY014394.D
Acq: 22 Jun 2023 21:06

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-19-20-SB-19-GRAB-5RE

Tgt Ion: 75 Resp: 40180
Ion Ratio Lower Upper
75 100
53 0.4 77.8 116.8#
89 0.1 37.4 56.0#



#95
Naphthalene
Concen: 8.313 ug/l
RT: 15.232 min Scan# 2200
Delta R.T. -0.007 min
Lab File: VY014394.D
Acq: 22 Jun 2023 21:06

Tgt Ion:128 Resp: 24696
Ion Ratio Lower Upper
128 100
127 13.5 10.8 16.2
129 11.0 8.6 13.0

