

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062023\
 Data File : VY014319.D
 Acq On : 21 Jun 2023 06:20
 Operator : KP/MD
 Sample : 03329-11
 Misc : 6.36g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-SW03-8-15-GRAB-6

Quant Time: Jun 21 07:48:11 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)

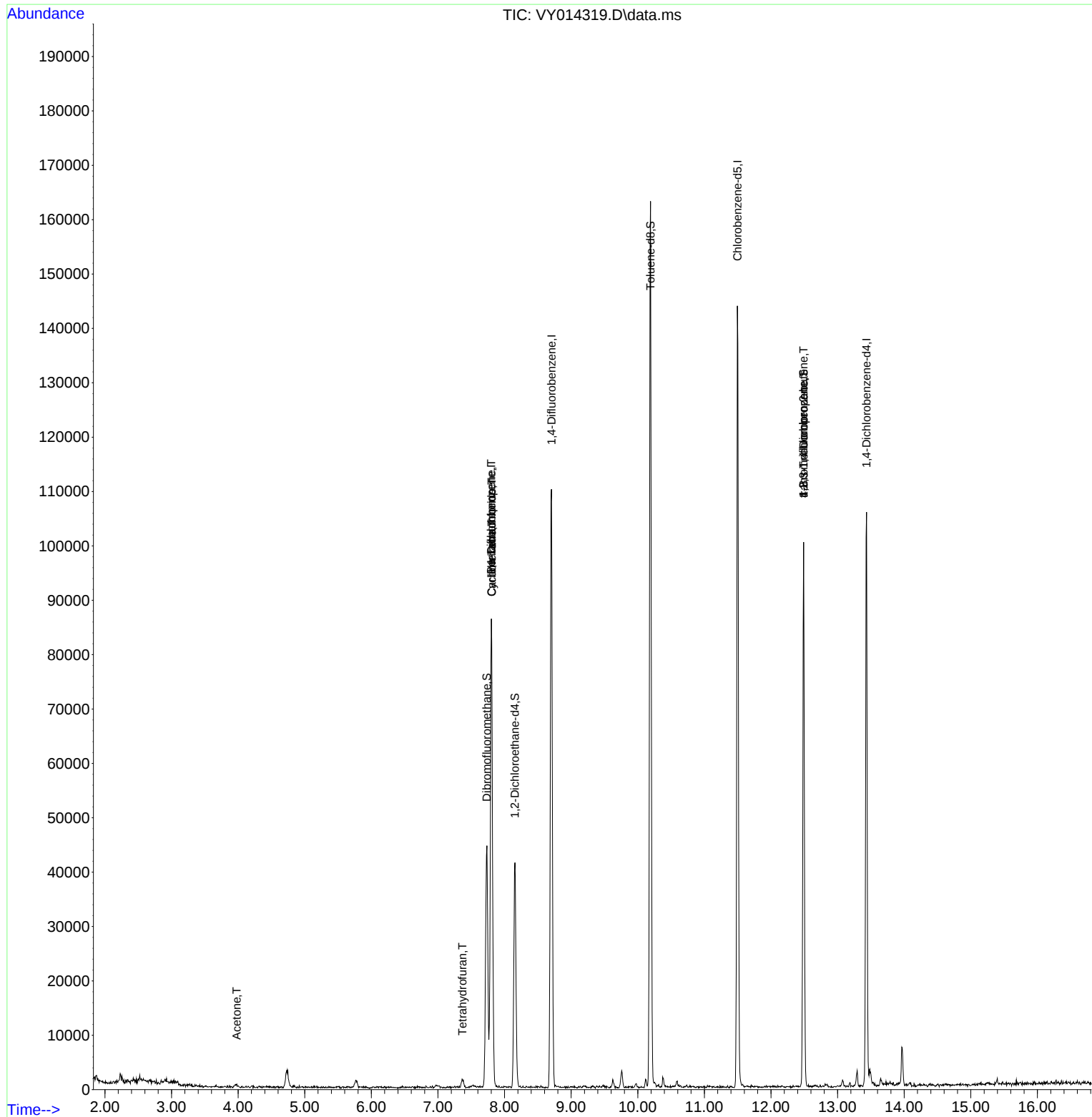
Internal Standards						
1) Pentafluorobenzene	7.801	168	65827	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.704	114	95837	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.496	117	77560	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	28471	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	35064	38.252	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	76.500%
35) Dibromofluoromethane	7.734	113	30533	44.924	ug/l	0.02
Spiked Amount	50.000	Range	54 - 147	Recovery	=	89.840%
50) Toluene-d8	10.191	98	109917	43.258	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	86.520%
62) 4-Bromofluorobenzene	12.489	95	27561	30.534	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	61.060%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.942	59	84	Below Cal	#	89
16) Acetone	3.979	43	891	3.225	ug/l #	46
20) Methylene Chloride	4.729	84	2385	Below Cal	#	76
29) Tetrahydrofuran	7.368	42	1025	4.753	ug/l #	80
31) Cyclohexane	7.807	56	1713	1.395	ug/l #	13
36) 1,1-Dichloropropene	7.801	75	5272	4.976	ug/l #	48
38) Carbon Tetrachloride	7.807	117	6545	5.353	ug/l #	18
76) 1,2,3-Trichloropropane	12.489	75	13897	37.204	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	13897	80.421	ug/l #	11

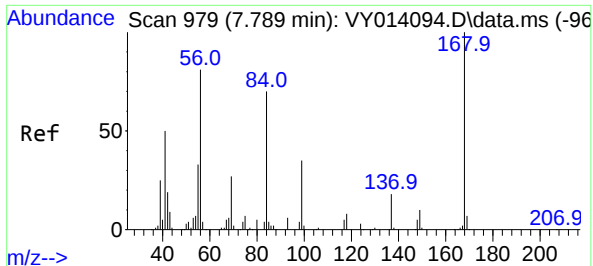
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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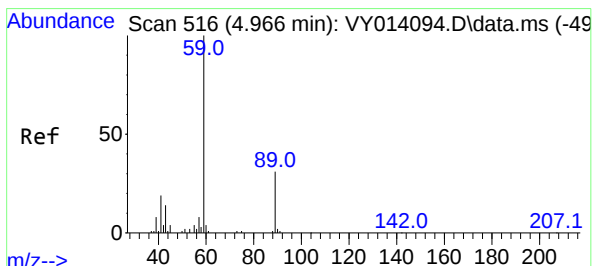
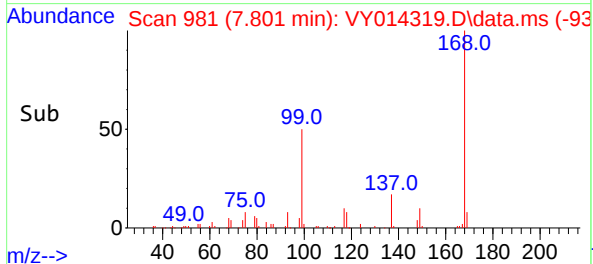
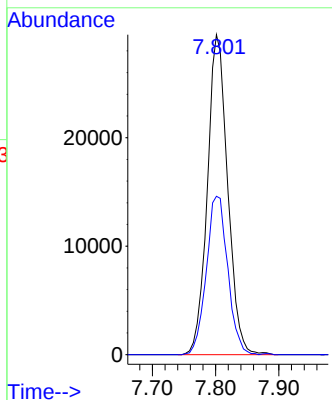
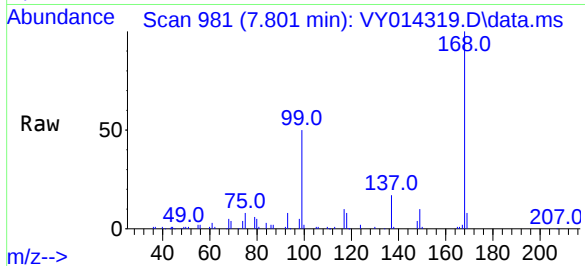




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY014319.D
Acq: 21 Jun 2023 06:20

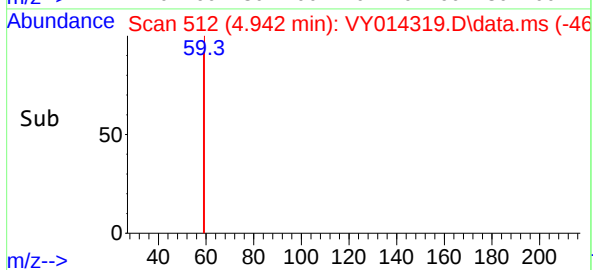
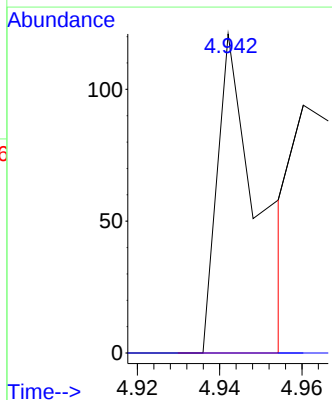
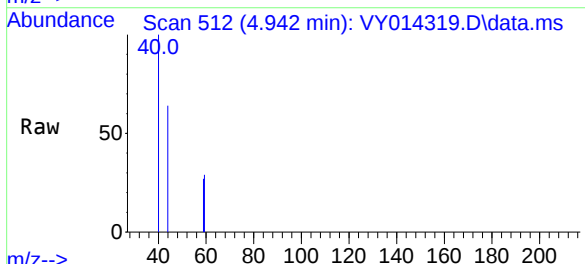
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SW03-8-15-GRAB-6

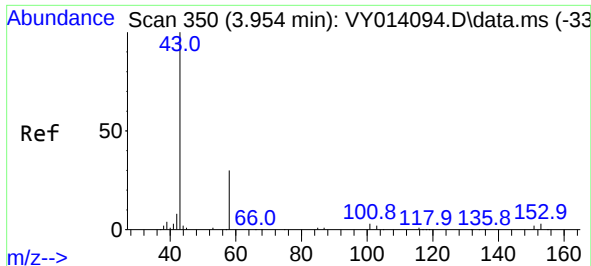
Tgt Ion:168 Resp: 65827
Ion Ratio Lower Upper
168 100
99 49.5 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.942 min Scan# 512
Delta R.T. -0.024 min
Lab File: VY014319.D
Acq: 21 Jun 2023 06:20

Tgt Ion: 59 Resp: 84
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

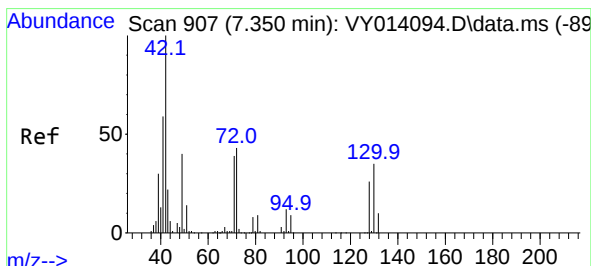
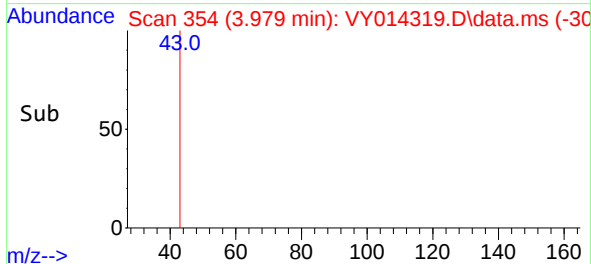
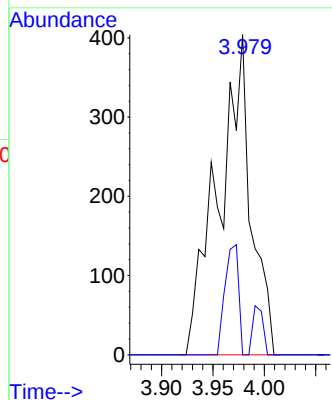
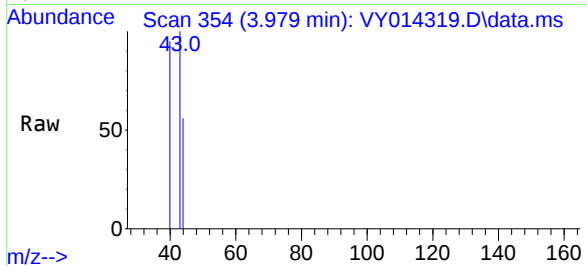




#16
Acetone
Concen: 3.225 ug/l
RT: 3.979 min Scan# 31
Delta R.T. 0.025 min
Lab File: VY014319.D
Acq: 21 Jun 2023 06:20

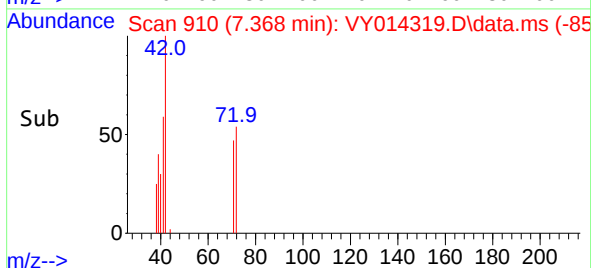
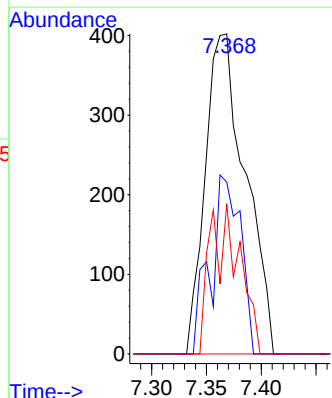
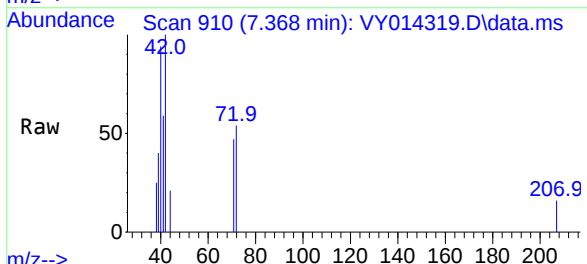
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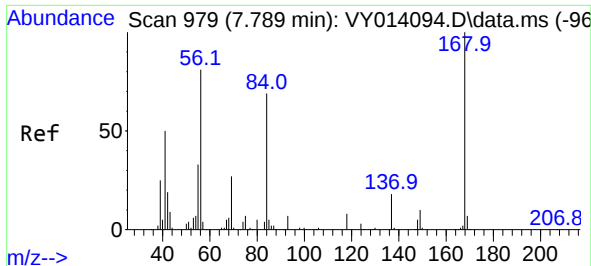
Tgt Ion: 43 Resp: 891
Ion Ratio Lower Upper
43 100
58 0.0 22.7 34.1#



#29
Tetrahydrofuran
Concen: 4.753 ug/l
RT: 7.368 min Scan# 910
Delta R.T. 0.018 min
Lab File: VY014319.D
Acq: 21 Jun 2023 06:20

Tgt Ion: 42 Resp: 1025
Ion Ratio Lower Upper
42 100
72 41.6 32.8 49.2
71 14.1 31.0 46.4#

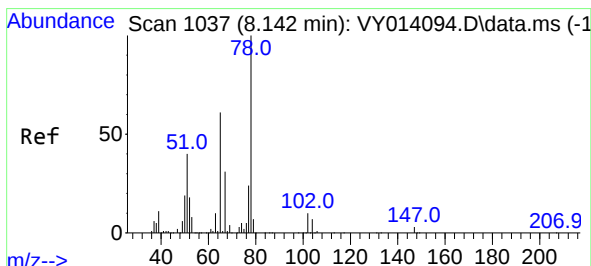
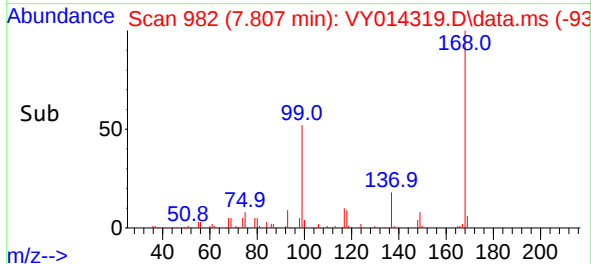
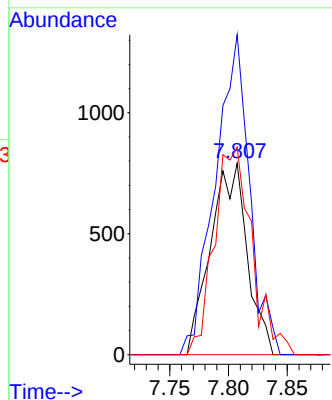
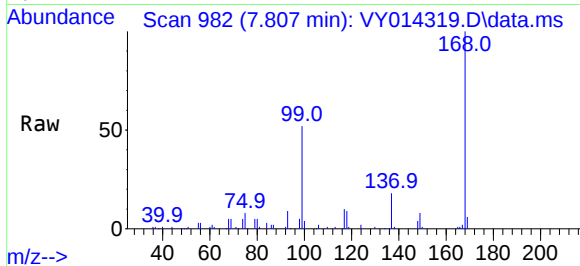




#31
Cyclohexane
Concen: 1.395 ug/l
RT: 7.807 min Scan# 91
Delta R.T. 0.018 min
Lab File: VY014319.D
Acq: 21 Jun 2023 06:20

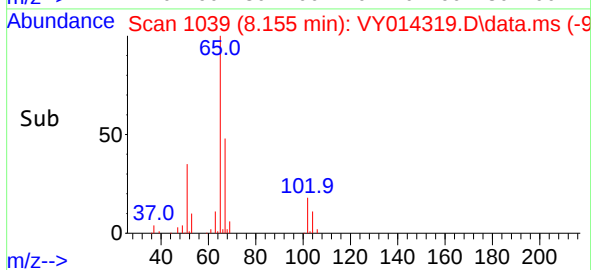
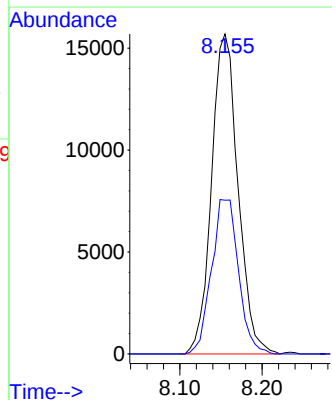
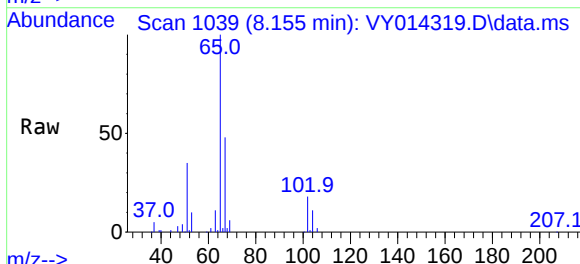
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SW03-8-15-GRAB-6

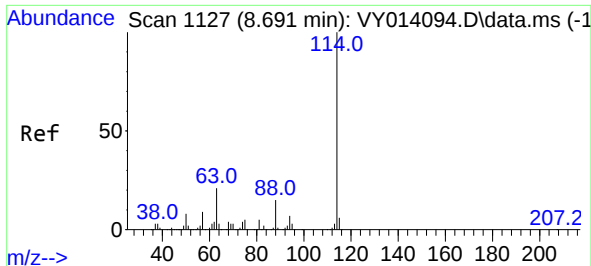
Tgt Ion: 56 Resp: 1713
Ion Ratio Lower Upper
56 100
69 167.0 27.8 41.6#
84 108.3 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 38.252 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. 0.013 min
Lab File: VY014319.D
Acq: 21 Jun 2023 06:20

Tgt Ion: 65 Resp: 35064
Ion Ratio Lower Upper
65 100
67 49.4 0.0 101.8

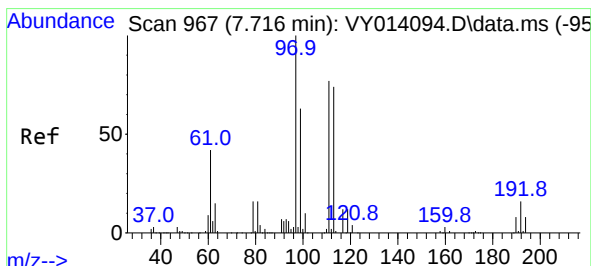
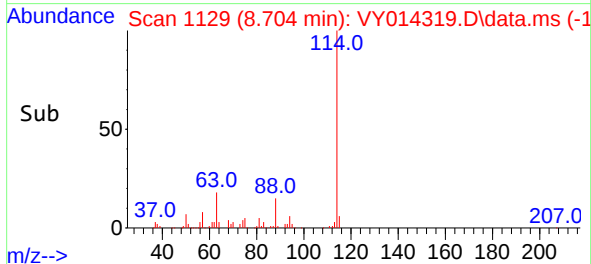
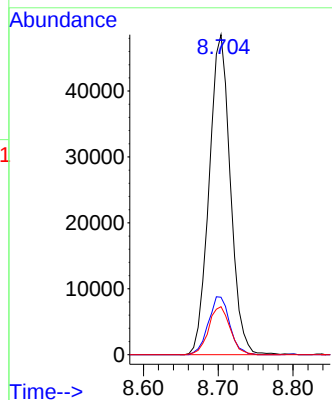
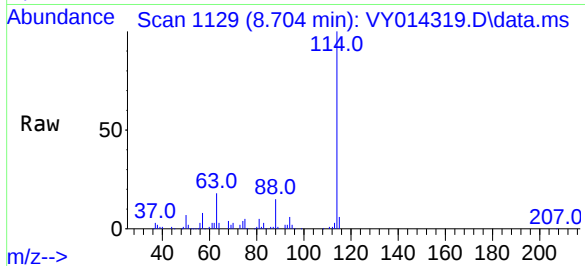




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.704 min Scan# 1127
Delta R.T. 0.013 min
Lab File: VY014319.D
Acq: 21 Jun 2023 06:20

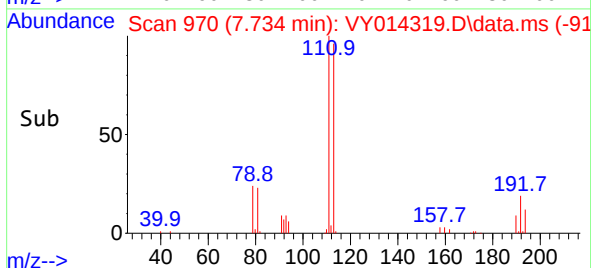
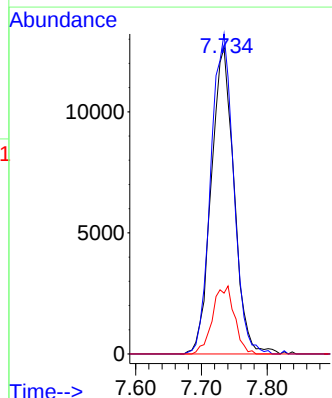
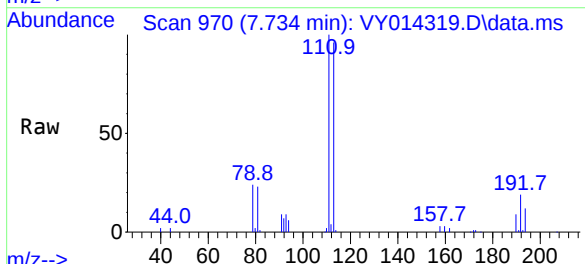
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SW03-8-15-GRAB-6

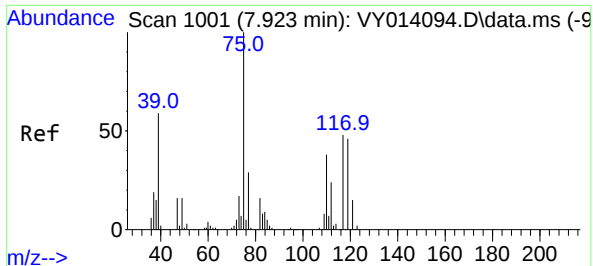
Tgt Ion:	114	Resp:	95837
Ion	Ratio	Lower	Upper
114	100		
63	17.9	0.0	42.4
88	15.0	0.0	30.6



#35
Dibromofluoromethane
Concen: 44.924 ug/l
RT: 7.734 min Scan# 970
Delta R.T. 0.018 min
Lab File: VY014319.D
Acq: 21 Jun 2023 06:20

Tgt Ion:	113	Resp:	30533
Ion	Ratio	Lower	Upper
113	100		
111	104.4	81.3	121.9
192	21.3	16.9	25.3

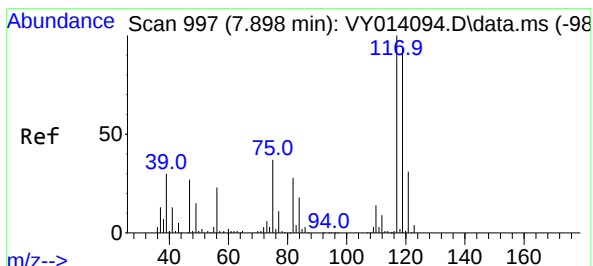
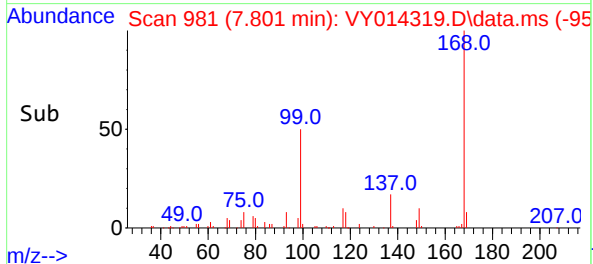
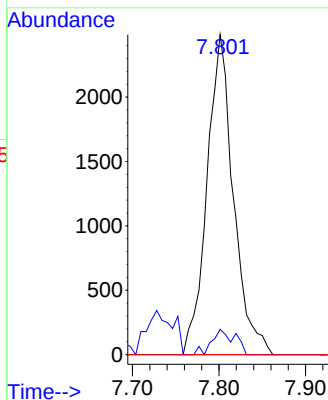
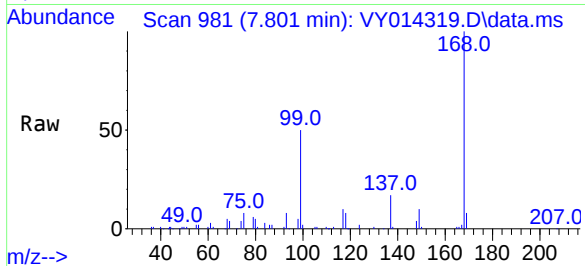




#36
1,1-Dichloropropene
Concen: 4.976 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.122 min
Lab File: VY014319.D
Acq: 21 Jun 2023 06:20

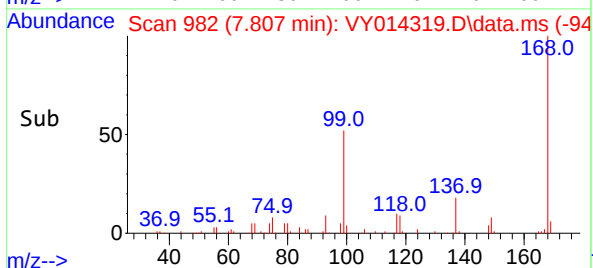
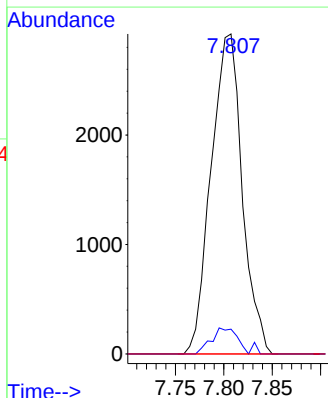
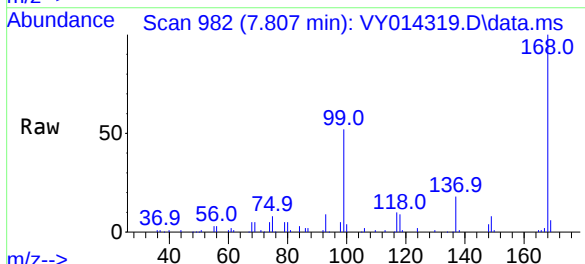
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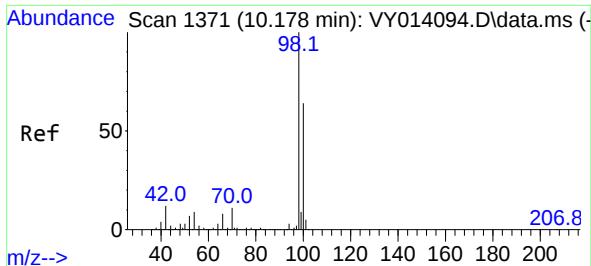
Tgt Ion: 75 Resp: 5272
Ion Ratio Lower Upper
75 100
110 6.9 17.8 53.5#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.353 ug/l
RT: 7.807 min Scan# 982
Delta R.T. -0.091 min
Lab File: VY014319.D
Acq: 21 Jun 2023 06:20

Tgt Ion: 117 Resp: 6545
Ion Ratio Lower Upper
117 100
119 7.7 76.4 114.6#
121 0.0 25.8 38.6#

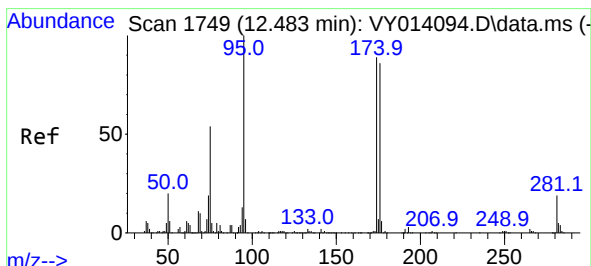
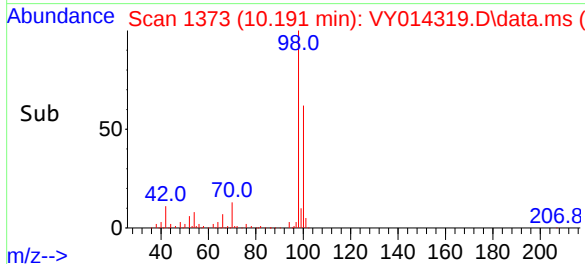
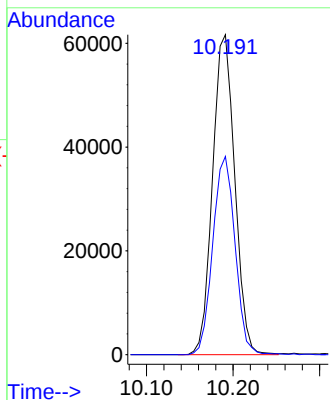
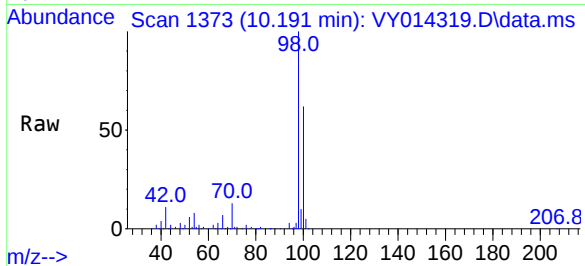




#50
Toluene-d8
Concen: 43.258 ug/l
RT: 10.191 min Scan# 11
Delta R.T. 0.013 min
Lab File: VY014319.D
Acq: 21 Jun 2023 06:20

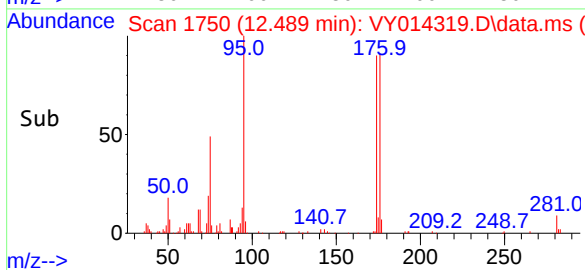
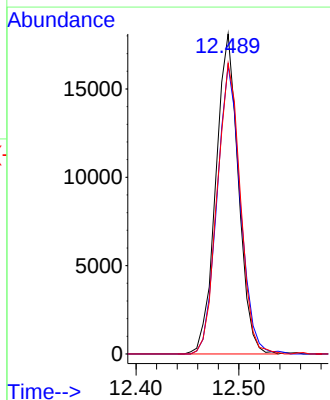
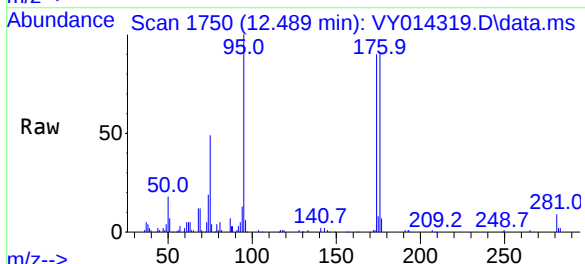
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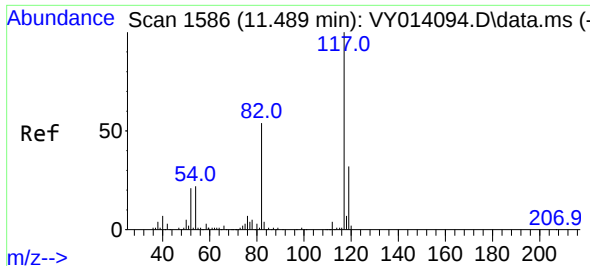
Tgt Ion: 98 Resp: 109917
Ion Ratio Lower Upper
98 100
100 62.1 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 30.534 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VY014319.D
Acq: 21 Jun 2023 06:20

Tgt Ion: 95 Resp: 27561
Ion Ratio Lower Upper
95 100
174 93.0 0.0 178.2
176 93.0 0.0 173.8

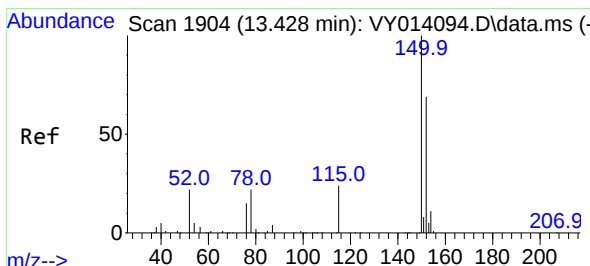
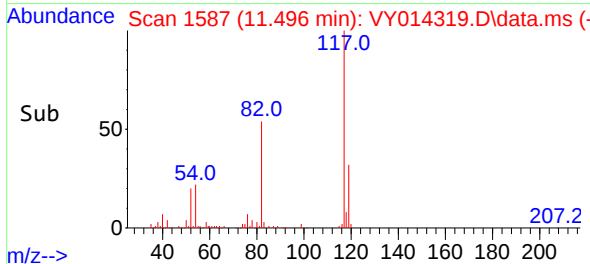
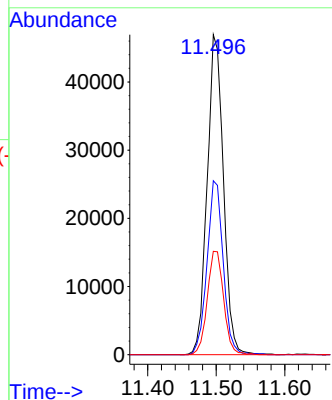
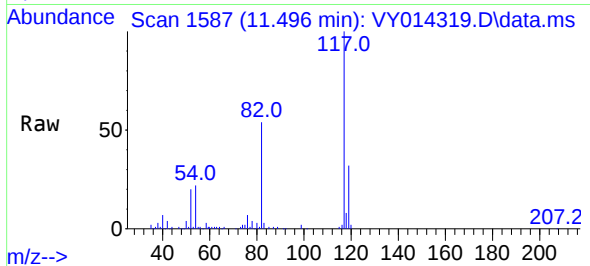




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 11
Delta R.T. 0.007 min
Lab File: VY014319.D
Acq: 21 Jun 2023 06:20

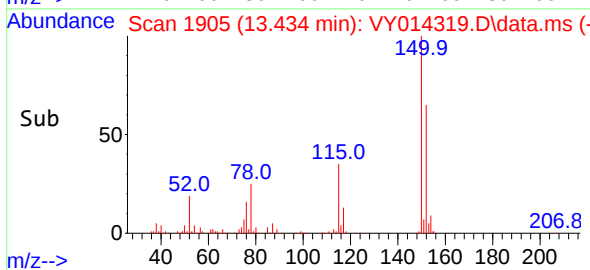
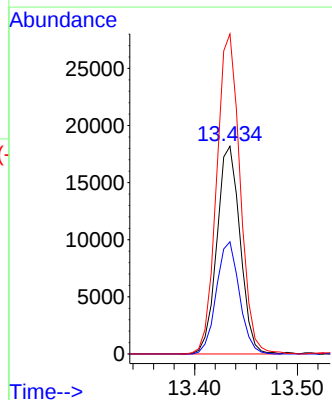
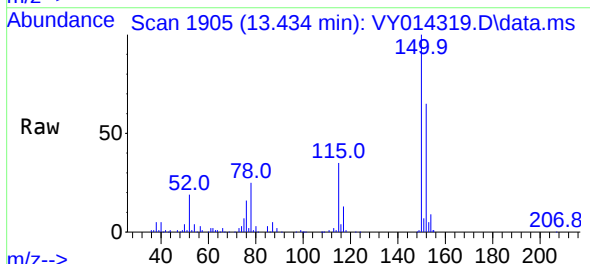
Instrument :
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TOTAL-VOC-SW03-8-15-GRAB-6

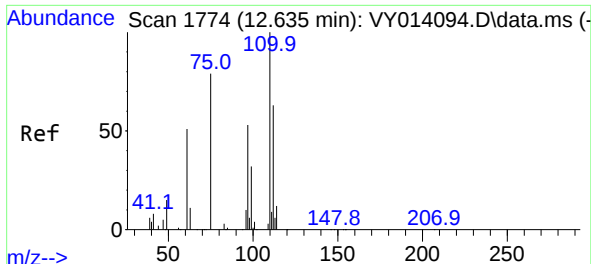
Tgt Ion:	117	Resp:	77560
Ion	Ratio	Lower	Upper
117	100		
82	54.4	43.4	65.0
119	32.3	26.3	39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.434 min Scan# 1905
Delta R.T. 0.006 min
Lab File: VY014319.D
Acq: 21 Jun 2023 06:20

Tgt Ion:	152	Resp:	28471
Ion	Ratio	Lower	Upper
152	100		
115	53.5	28.8	86.5
150	155.4	0.0	348.8

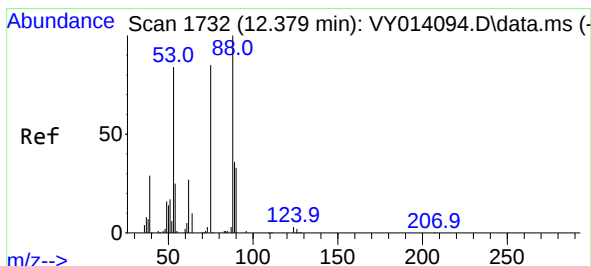
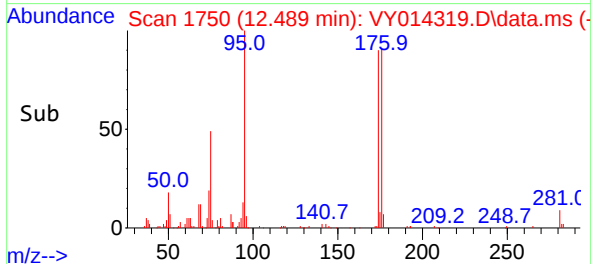
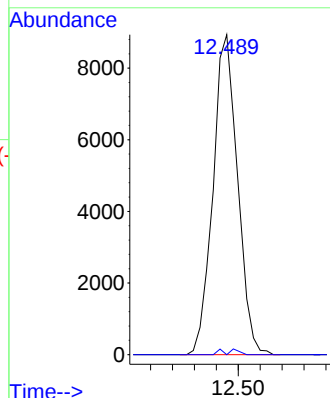
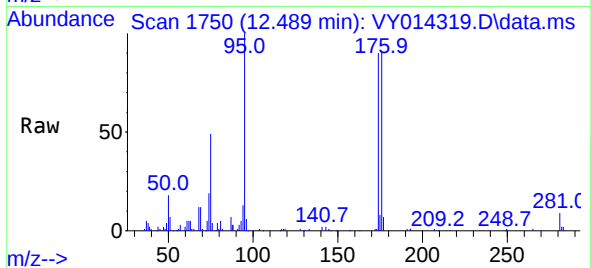




#76
1,2,3-Trichloropropane
Concen: 37.204 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.146 min
Lab File: VY014319.D
Acq: 21 Jun 2023 06:20

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SW03-8-15-GRAB-6

Tgt Ion: 75 Resp: 13897
Ion Ratio Lower Upper
75 100
77 0.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 80.421 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.110 min
Lab File: VY014319.D
Acq: 21 Jun 2023 06:20

Tgt Ion: 75 Resp: 13897
Ion Ratio Lower Upper
75 100
53 0.2 77.8 116.8#
89 0.0 37.4 56.0#

