

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062023\
 Data File : VY014317.D
 Acq On : 21 Jun 2023 05:33
 Operator : KP/MD
 Sample : 03329-05
 Misc : 6.66g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-SW03-0-8-GRAB-6

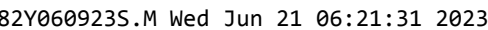
Quant Time: Jun 21 06:21:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060923S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 09 18:07:13 2023
 Response via : Initial Calibration

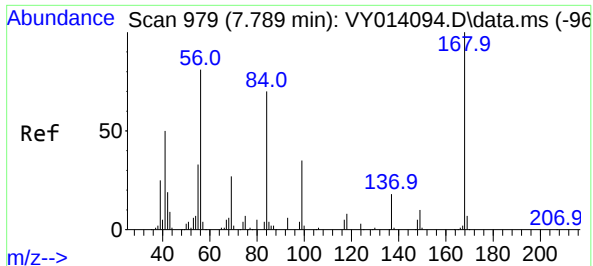
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.807	168	102045	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.703	114	167345	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.502	117	157486	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.434	152	61921	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	81367	57.261	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 114.520%	
35) Dibromofluoromethane	7.728	113	60011	50.567	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.140%	
50) Toluene-d8	10.191	98	204657	46.127	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	= 92.260%	
62) 4-Bromofluorobenzene	12.489	95	59952	38.038	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 76.080%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.966	59	309	Below Cal	#	89
20) Methylene Chloride	4.735	84	3968	Below Cal	#	73
29) Tetrahydrofuran	7.368	42	2237	6.691	ug/l #	83
31) Cyclohexane	7.795	56	2322	1.220	ug/l #	33
36) 1,1-Dichloropropene	7.795	75	8176	4.419	ug/l #	49
38) Carbon Tetrachloride	7.801	117	9629	4.510	ug/l #	18
41) Methacrylonitrile	7.368	41	1464	2.247	ug/l #	44
76) 1,2,3-Trichloropropane	12.489	75	32448	39.941	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	32448	86.338	ug/l #	10

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

Quant Time: Jun 21 06:21:26 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

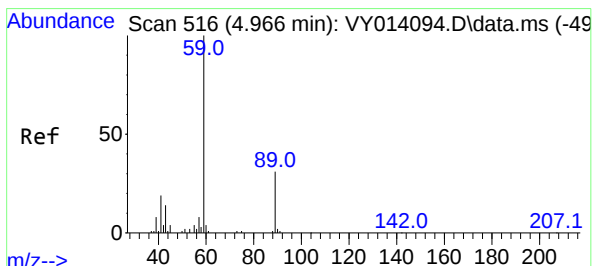
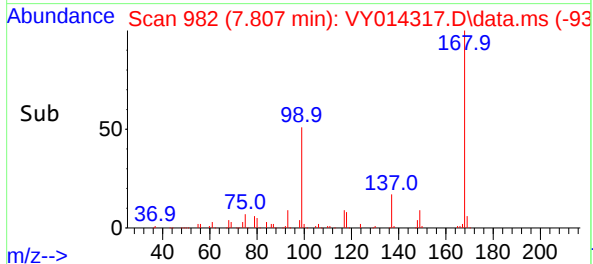
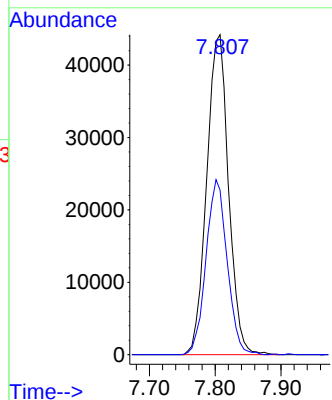
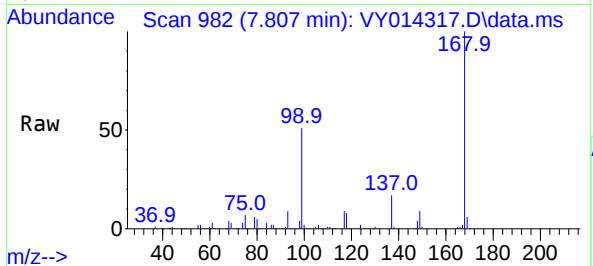




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.807 min Scan# 91
Delta R.T. 0.018 min
Lab File: VY014317.D
Acq: 21 Jun 2023 05:33

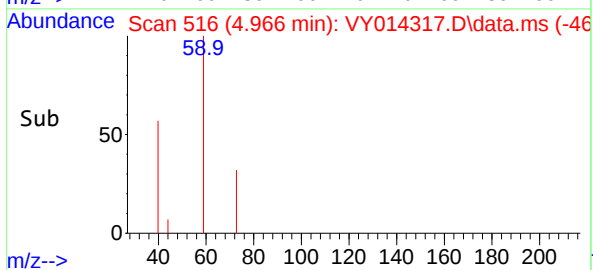
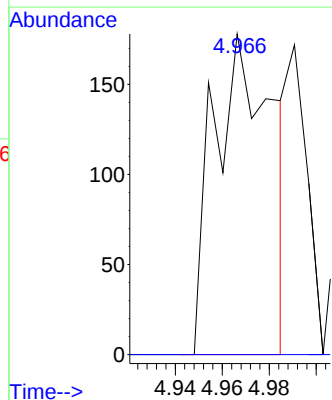
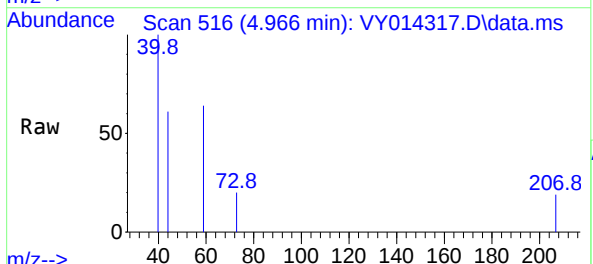
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SW03-0-8-GRAB-6

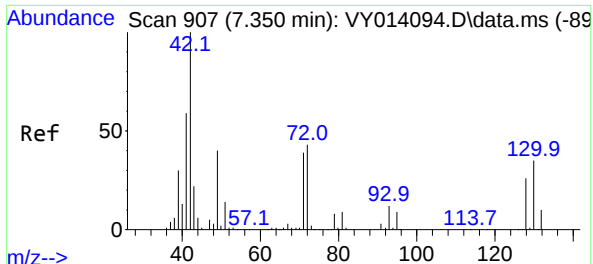
Tgt Ion:168 Resp: 102045
Ion Ratio Lower Upper
168 100
99 51.4 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.966 min Scan# 516
Delta R.T. 0.000 min
Lab File: VY014317.D
Acq: 21 Jun 2023 05:33

Tgt Ion: 59 Resp: 309
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#





#29

Tetrahydrofuran

Concen: 6.691 ug/l

RT: 7.368 min Scan# 91

Delta R.T. 0.018 min

Lab File: VY014317.D

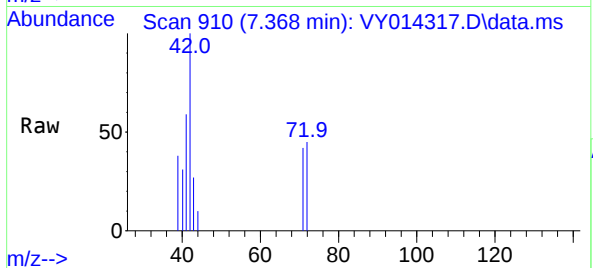
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Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-SW03-0-8-GRAB-6



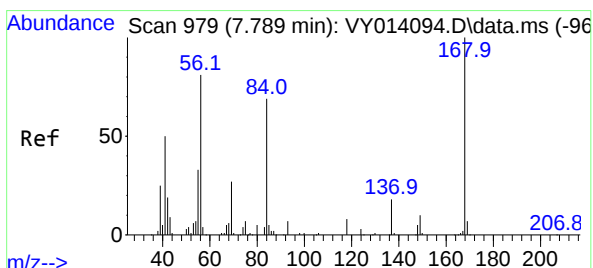
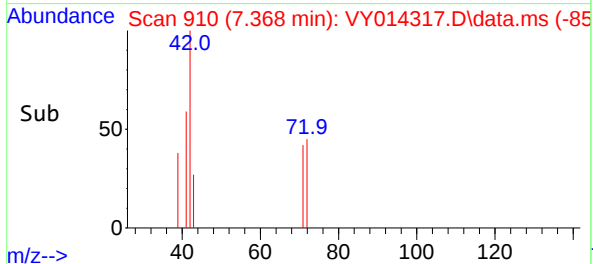
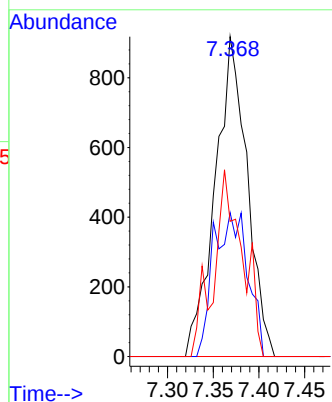
Tgt Ion: 42 Resp: 2237

Ion Ratio Lower Upper

42 100

72 48.2 32.8 49.2

71 52.3 31.0 46.4#



#31

Cyclohexane

Concen: 1.220 ug/l

RT: 7.795 min Scan# 980

Delta R.T. 0.006 min

Lab File: VY014317.D

Acq: 21 Jun 2023 05:33

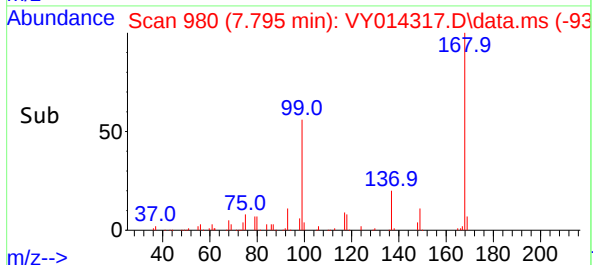
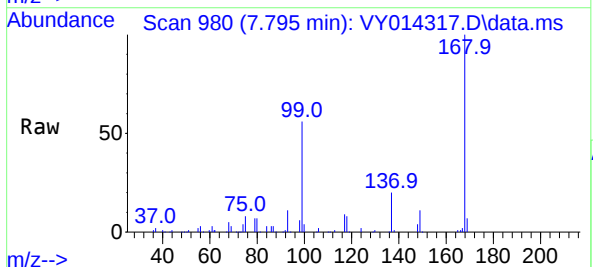
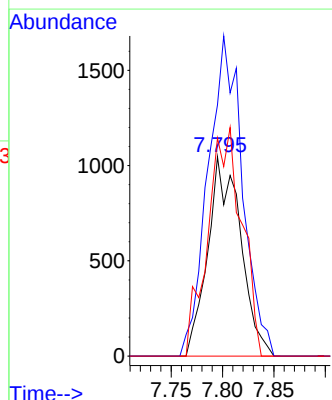
Tgt Ion: 56 Resp: 2322

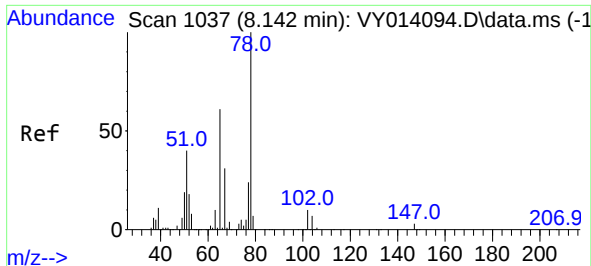
Ion Ratio Lower Upper

56 100

69 126.0 27.8 41.6#

84 109.4 66.4 99.6#

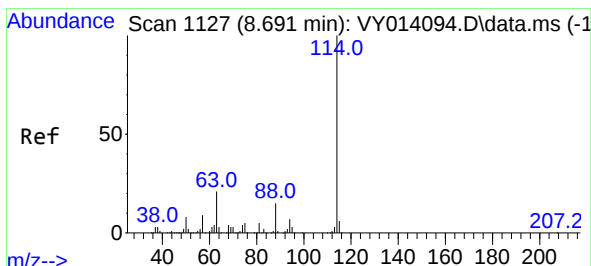
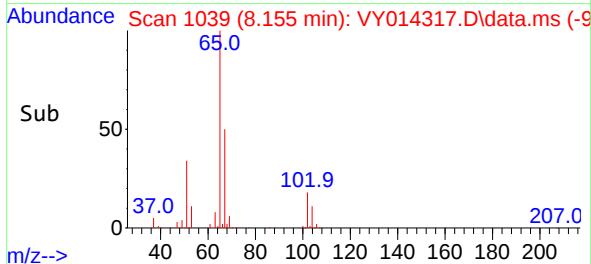
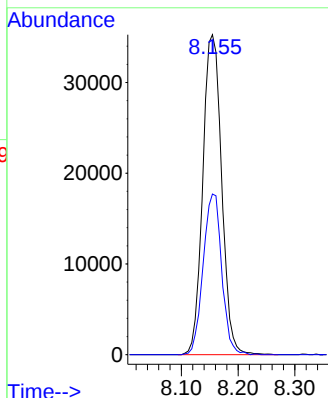
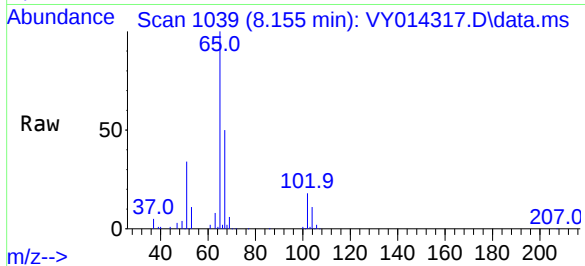




#33
1,2-Dichloroethane-d4
Concen: 57.261 ug/l
RT: 8.155 min Scan# 1037
Delta R.T. 0.013 min
Lab File: VY014317.D
Acq: 21 Jun 2023 05:33

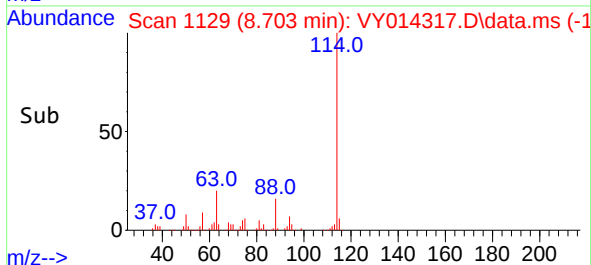
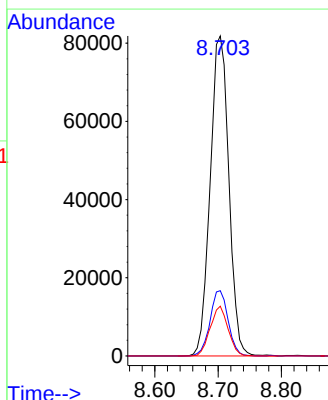
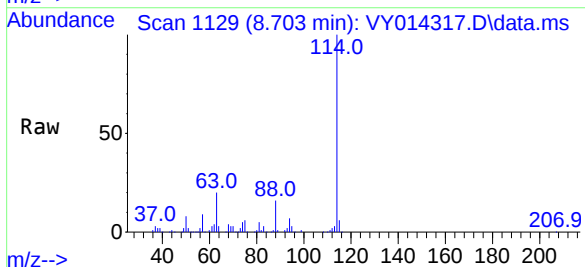
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SW03-0-8-GRAB-6

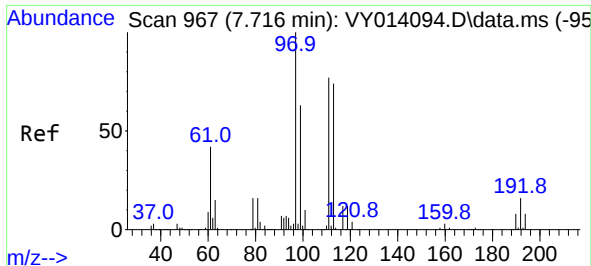
Tgt Ion: 65 Resp: 81367
Ion Ratio Lower Upper
65 100
67 49.4 0.0 101.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.703 min Scan# 1129
Delta R.T. 0.012 min
Lab File: VY014317.D
Acq: 21 Jun 2023 05:33

Tgt Ion:114 Resp: 167345
Ion Ratio Lower Upper
114 100
63 20.4 0.0 42.4
88 15.6 0.0 30.6

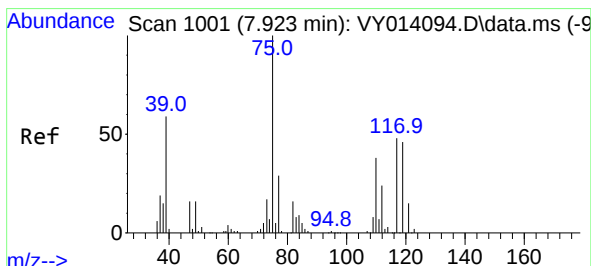
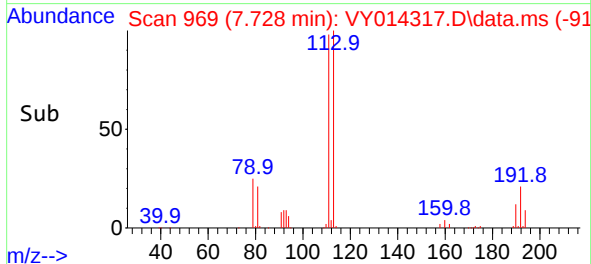
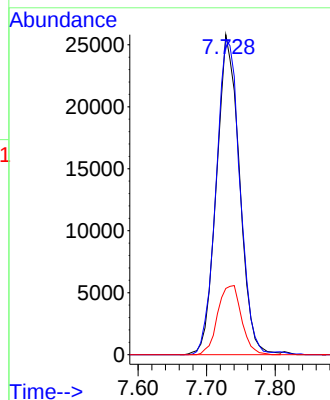
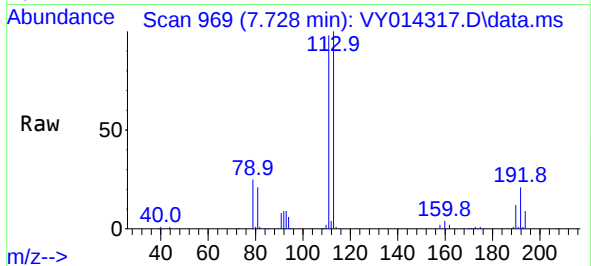




#35
Dibromofluoromethane
Concen: 50.567 ug/l
RT: 7.728 min Scan# 90
Delta R.T. 0.012 min
Lab File: VY014317.D
Acq: 21 Jun 2023 05:33

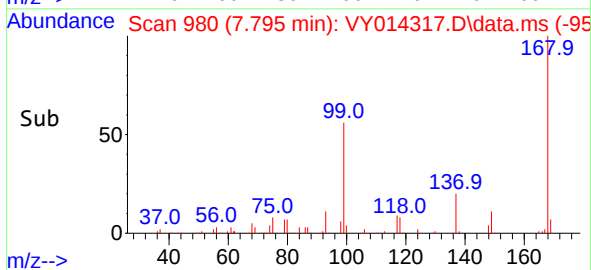
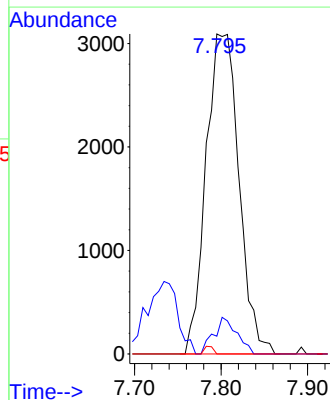
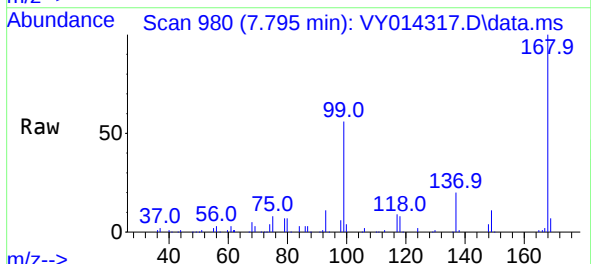
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SW03-0-8-GRAB-6

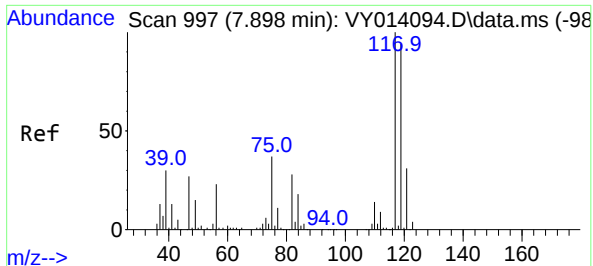
Tgt Ion:113 Resp: 60011
Ion Ratio Lower Upper
113 100
111 101.9 81.3 121.9
192 22.4 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.419 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY014317.D
Acq: 21 Jun 2023 05:33

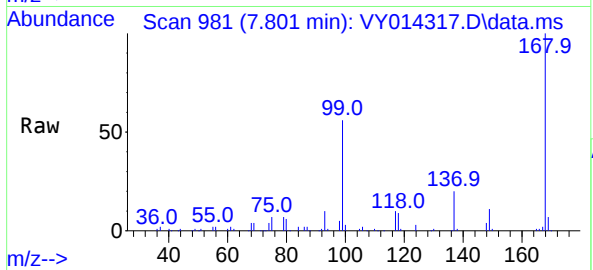
Tgt Ion: 75 Resp: 8176
Ion Ratio Lower Upper
75 100
110 8.0 17.8 53.5#
77 0.6 24.4 36.6#



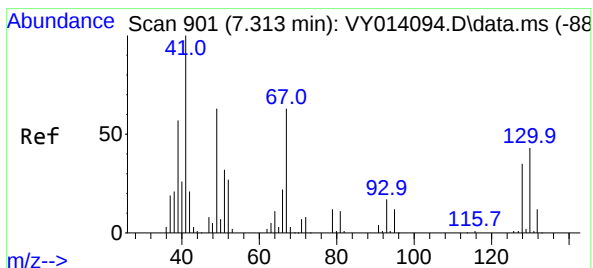
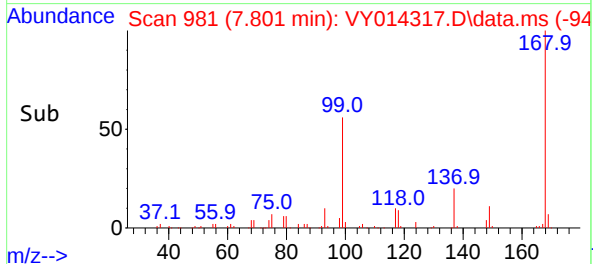
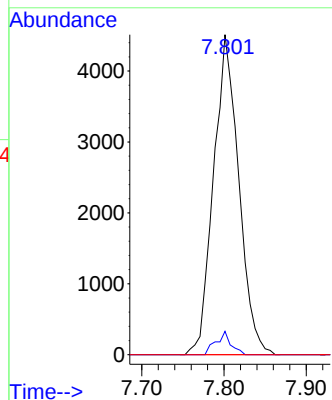


#38
Carbon Tetrachloride
Concen: 4.510 ug/l
RT: 7.801 min Scan# 910
Delta R.T. -0.097 min
Lab File: VY014317.D
Acq: 21 Jun 2023 05:33

Instrument : MSVOA_Y
ClientSampleId : TOTAL-VOC-SW03-0-8-GRAB-6

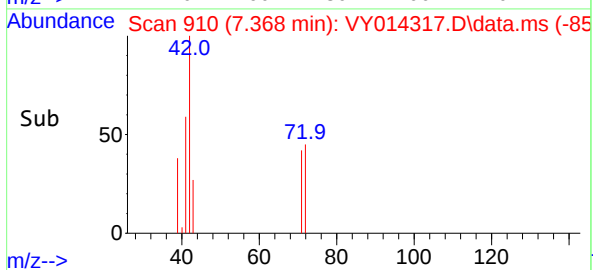
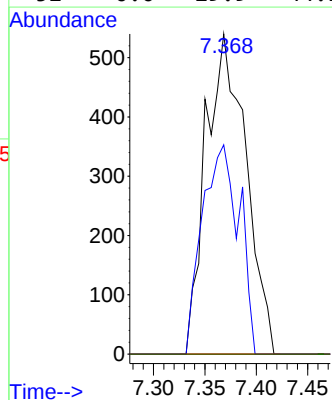
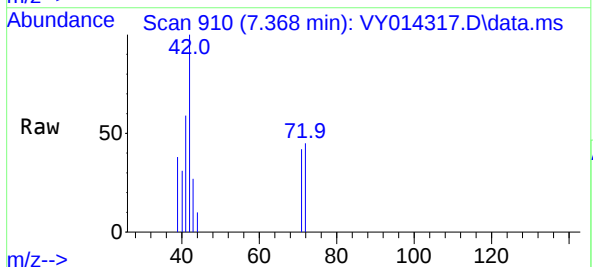


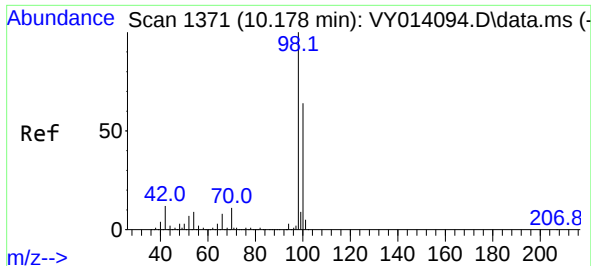
Tgt Ion:117 Resp: 9629
Ion Ratio Lower Upper
117 100
119 7.3 76.4 114.6#
121 0.0 25.8 38.6#



#41
Methacrylonitrile
Concen: 2.247 ug/l
RT: 7.368 min Scan# 910
Delta R.T. 0.055 min
Lab File: VY014317.D
Acq: 21 Jun 2023 05:33

Tgt Ion: 41 Resp: 1464
Ion Ratio Lower Upper
41 100
39 60.5 52.1 78.1
67 0.0 66.2 99.2#
52 0.0 29.9 44.9#

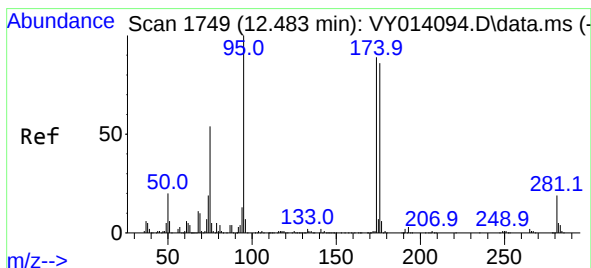
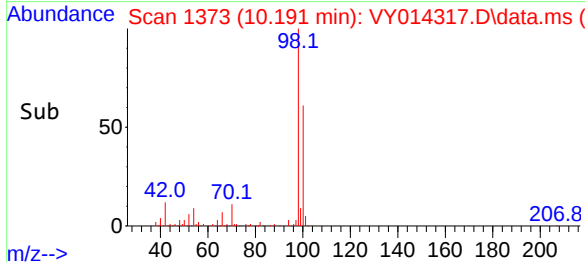
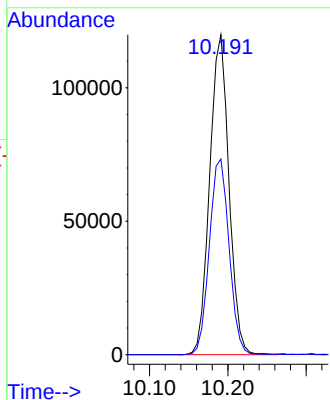
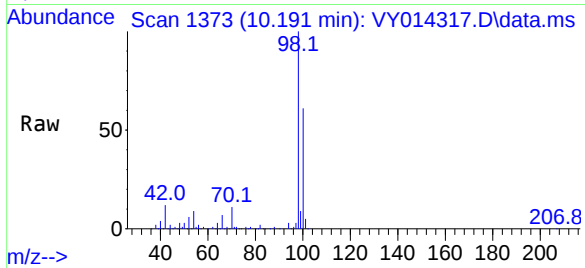




#50
Toluene-d8
Concen: 46.127 ug/l
RT: 10.191 min Scan# 11
Delta R.T. 0.013 min
Lab File: VY014317.D
Acq: 21 Jun 2023 05:33

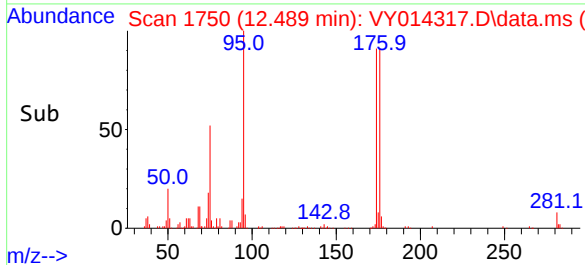
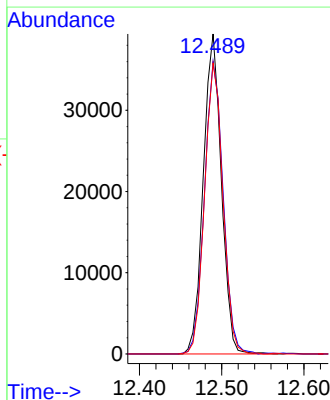
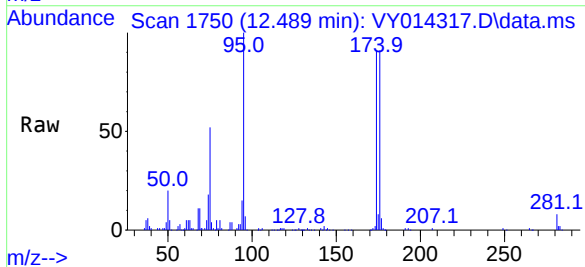
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SW03-0-8-GRAB-6

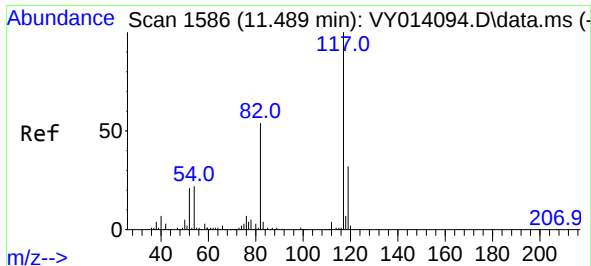
Tgt Ion: 98 Resp: 204657
Ion Ratio Lower Upper
98 100
100 62.8 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 38.038 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VY014317.D
Acq: 21 Jun 2023 05:33

Tgt Ion: 95 Resp: 59952
Ion Ratio Lower Upper
95 100
174 94.7 0.0 178.2
176 92.4 0.0 173.8

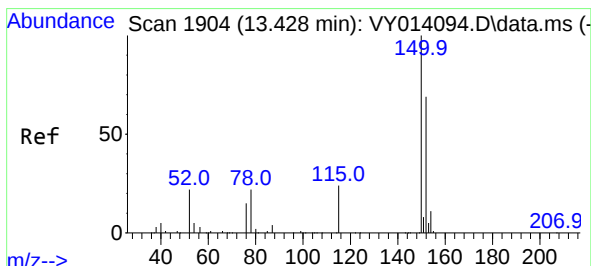
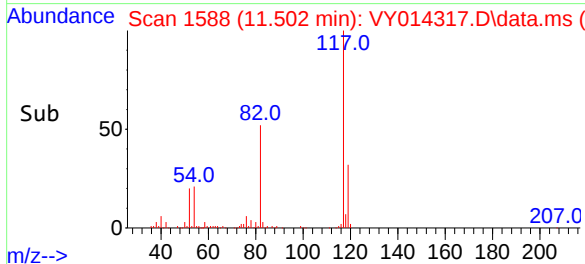
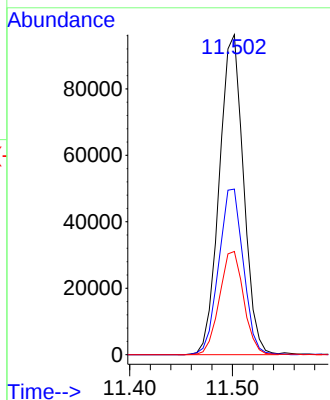
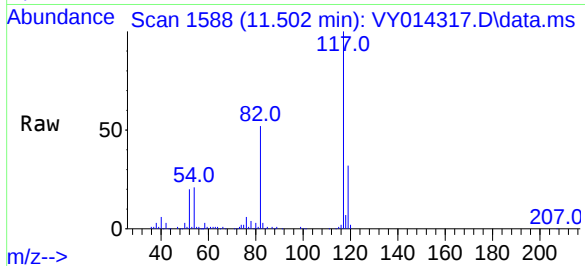




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.502 min Scan# 11
Delta R.T. 0.013 min
Lab File: VY014317.D
Acq: 21 Jun 2023 05:33

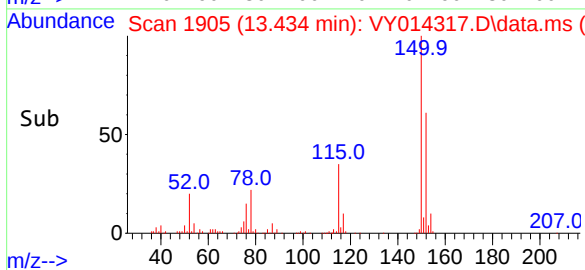
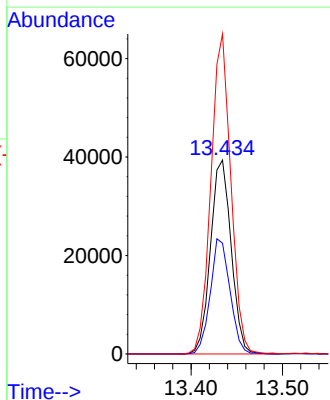
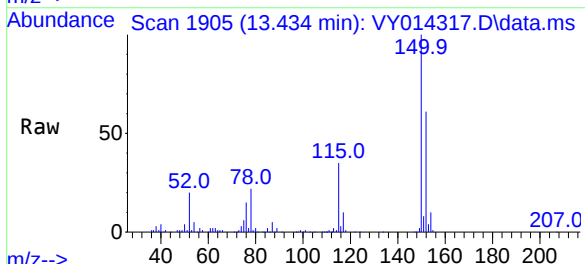
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SW03-0-8-GRAB-6

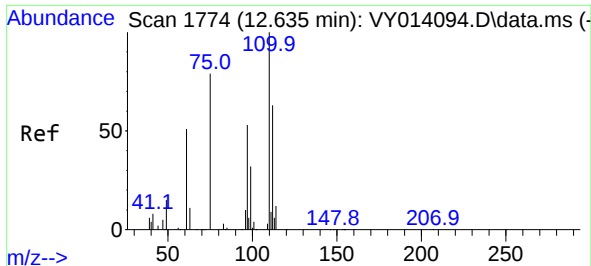
Tgt Ion:117 Resp: 157486
Ion Ratio Lower Upper
117 100
82 51.7 43.4 65.0
119 32.2 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.434 min Scan# 1905
Delta R.T. 0.006 min
Lab File: VY014317.D
Acq: 21 Jun 2023 05:33

Tgt Ion:152 Resp: 61921
Ion Ratio Lower Upper
152 100
115 56.6 28.8 86.5
150 158.8 0.0 348.8

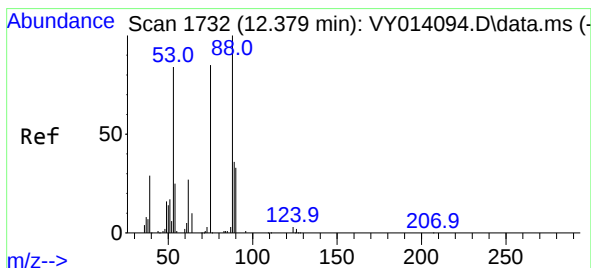
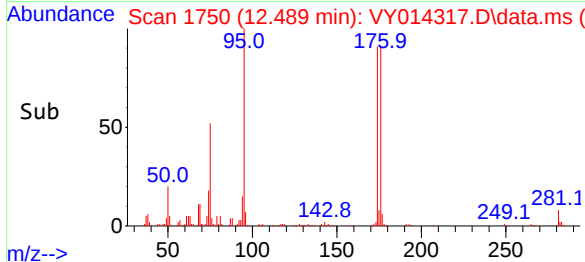
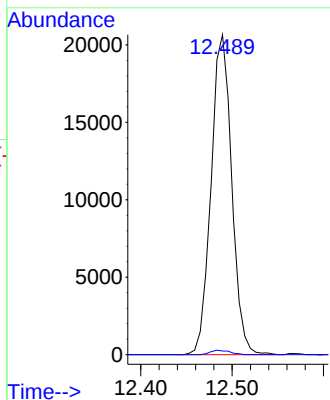
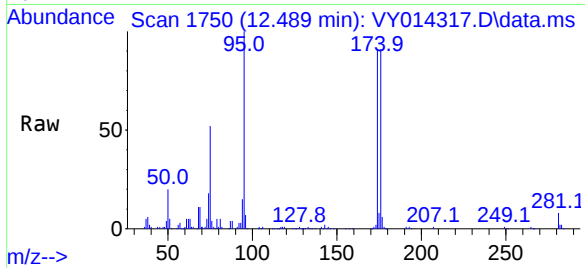




#76
1,2,3-Trichloropropane
Concen: 39.941 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.146 min
Lab File: VY014317.D
Acq: 21 Jun 2023 05:33

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SW03-0-8-GRAB-6

Tgt Ion: 75 Resp: 32448
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 86.338 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.110 min
Lab File: VY014317.D
Acq: 21 Jun 2023 05:33

Tgt Ion: 75 Resp: 32448
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#

