

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062023\
 Data File : VY014315.D
 Acq On : 21 Jun 2023 04:47
 Operator : KP/MD
 Sample : 03328-23
 Misc : 7.85g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-SW04-8-15-GRAB-6

Quant Time: Jun 21 05:10:20 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)

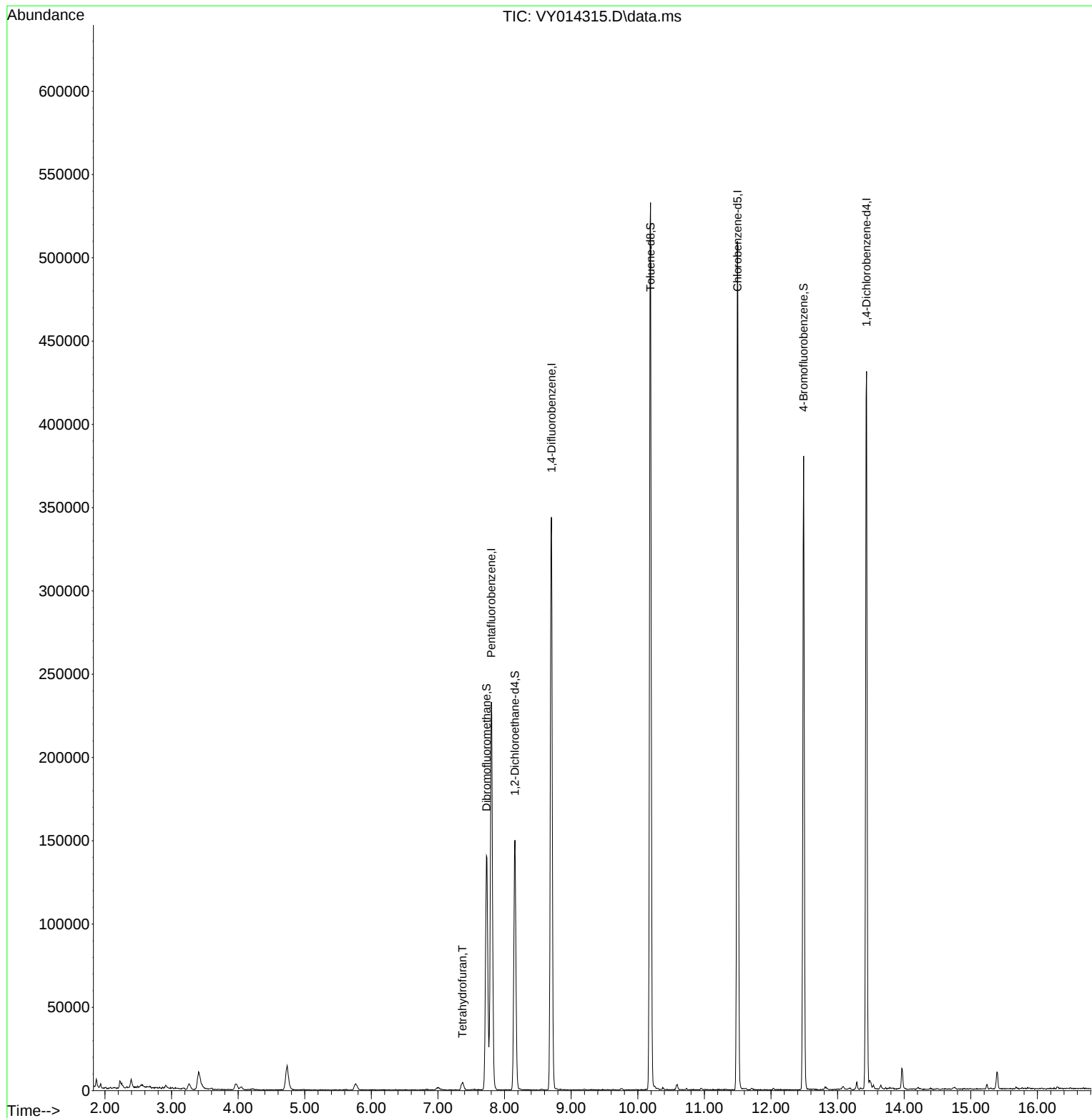
Internal Standards						
1) Pentafluorobenzene	7.801	168	181021	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.704	114	295609	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.496	117	270434	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	113354	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	124560	49.414	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.820%
35) Dibromofluoromethane	7.728	113	97535	46.525	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	93.060%
50) Toluene-d8	10.191	98	352692	45.000	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	90.000%
62) 4-Bromofluorobenzene	12.489	95	104274	37.453	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	74.900%
Target Compounds						
29) Tetrahydrofuran	7.368	42	3965	6.685	ug/l	97

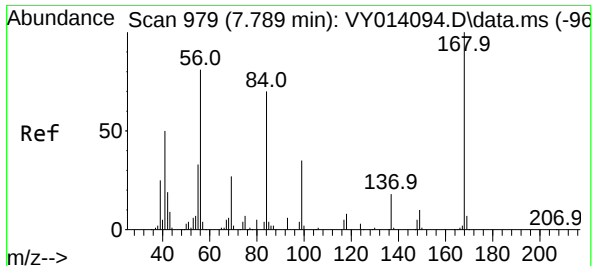
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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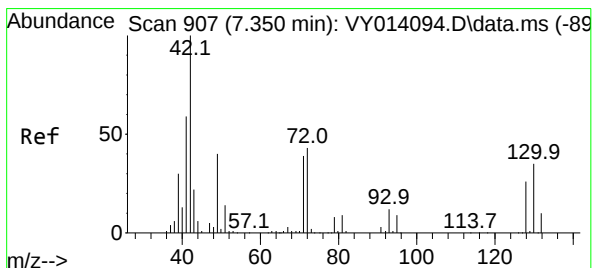
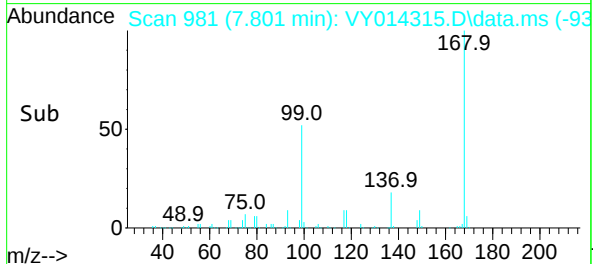
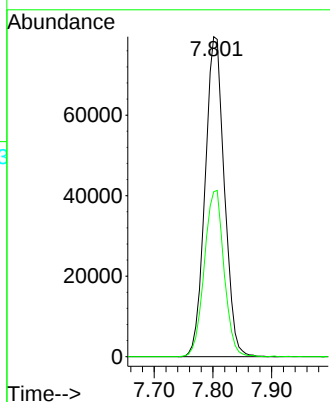
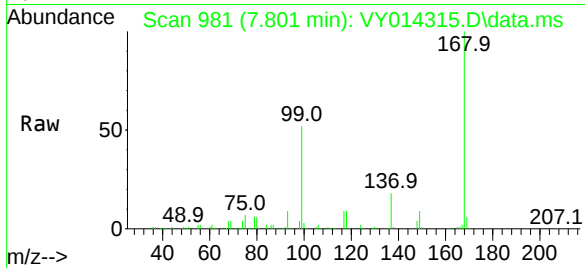




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 910
Delta R.T. 0.012 min
Lab File: VY014315.D
Acq: 21 Jun 2023 04:47

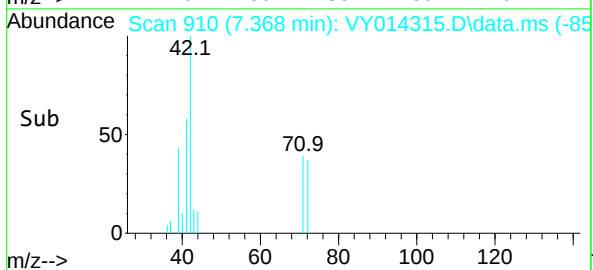
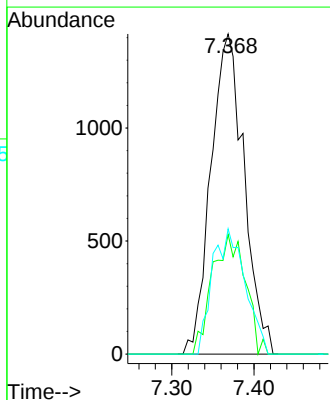
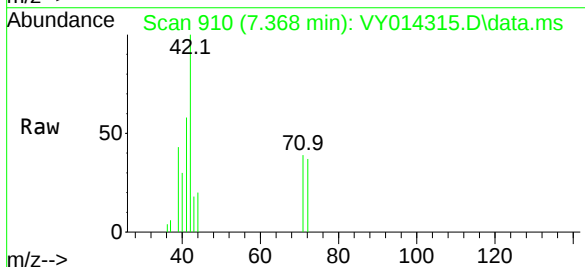
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SW04-8-15-GRAB-6

Tgt Ion:168 Resp: 181021
Ion Ratio Lower Upper
168 100
99 51.5 43.4 65.0



#29
Tetrahydrofuran
Concen: 6.685 ug/l
RT: 7.368 min Scan# 910
Delta R.T. 0.018 min
Lab File: VY014315.D
Acq: 21 Jun 2023 04:47

Tgt Ion: 42 Resp: 3965
Ion Ratio Lower Upper
42 100
72 37.5 32.8 49.2
71 38.7 31.0 46.4

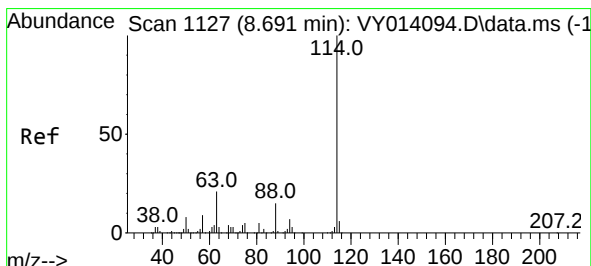
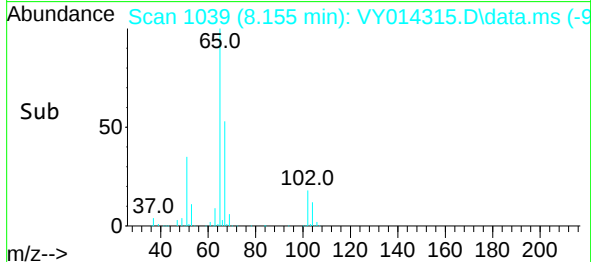
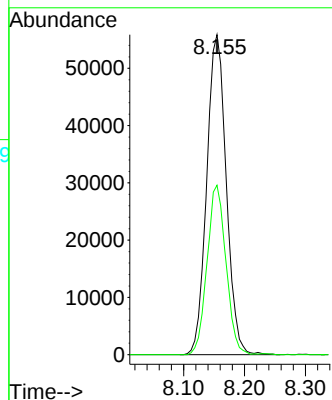
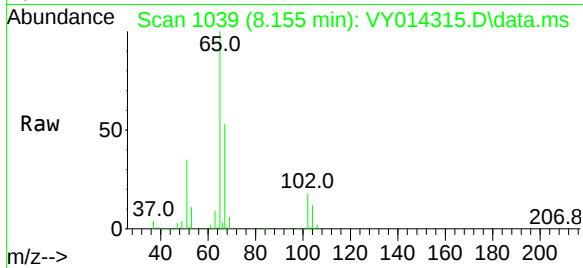




#33
 1,2-Dichloroethane-d4
 Concen: 49.414 ug/l
 RT: 8.155 min Scan# 1039
 Delta R.T. 0.013 min
 Lab File: VY014315.D
 Acq: 21 Jun 2023 04:47

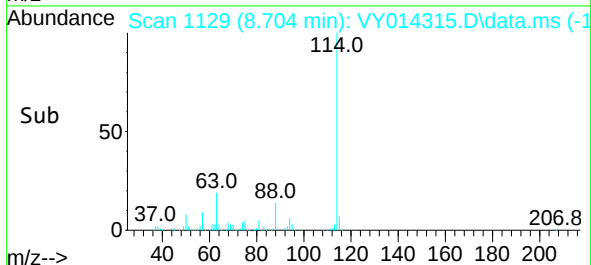
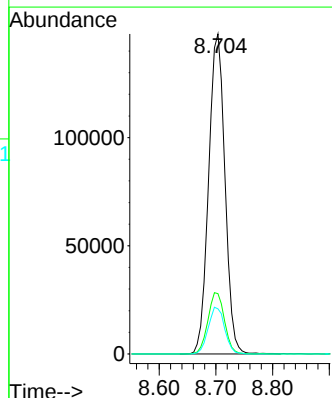
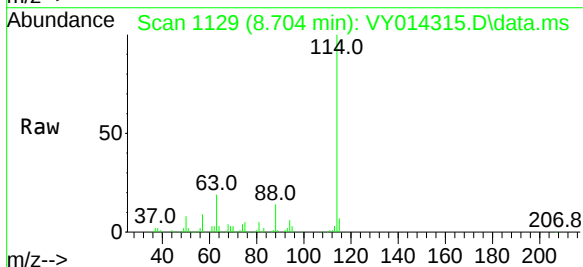
Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-SW04-8-15-GRAB-6

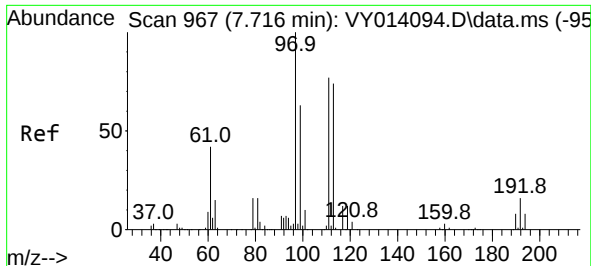
Tgt Ion: 65 Resp: 124560
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.704 min Scan# 1129
 Delta R.T. 0.013 min
 Lab File: VY014315.D
 Acq: 21 Jun 2023 04:47

Tgt Ion: 114 Resp: 295609
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 42.4
 88 14.1 0.0 30.6

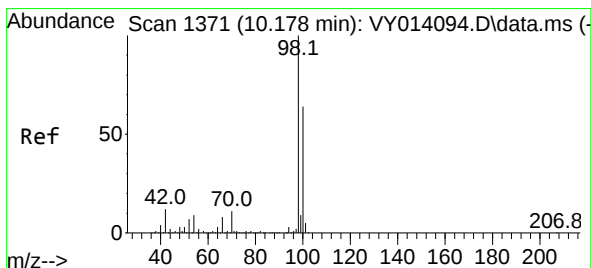
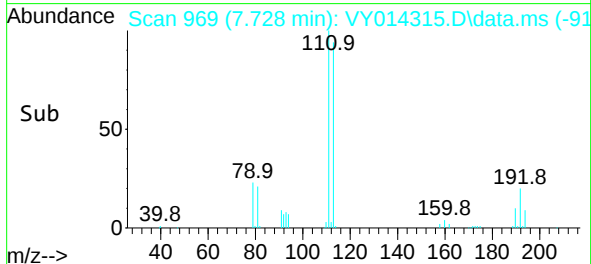
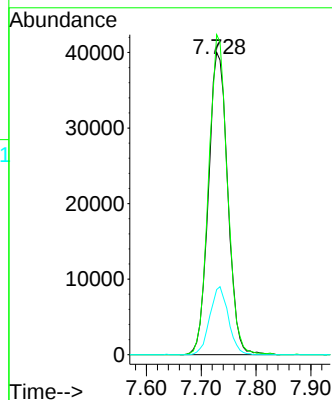
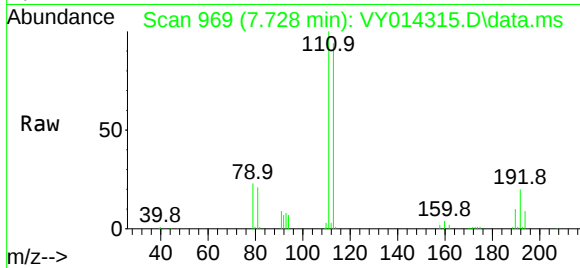




#35
Dibromofluoromethane
Concen: 46.525 ug/l
RT: 7.728 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY014315.D
Acq: 21 Jun 2023 04:47

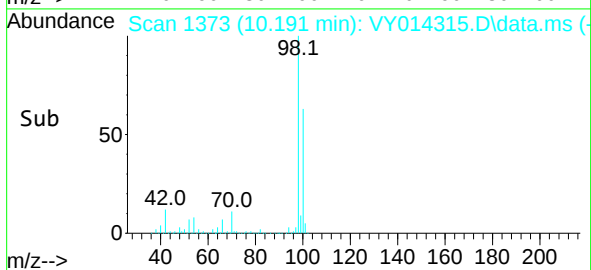
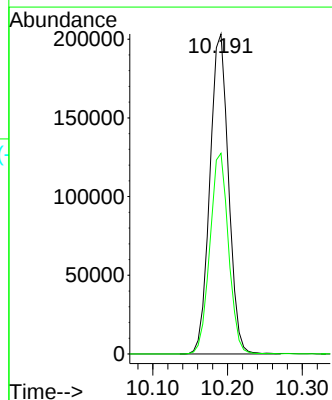
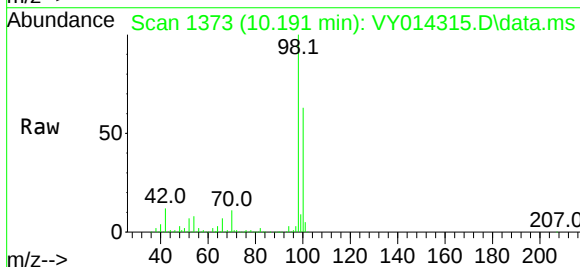
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SW04-8-15-GRAB-6

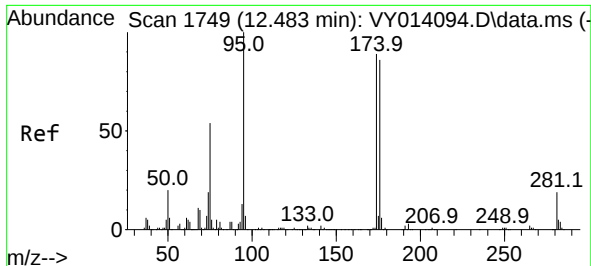
Tgt Ion:113 Resp: 97535
Ion Ratio Lower Upper
113 100
111 102.9 81.3 121.9
192 21.7 16.9 25.3



#50
Toluene-d8
Concen: 45.000 ug/l
RT: 10.191 min Scan# 1373
Delta R.T. 0.013 min
Lab File: VY014315.D
Acq: 21 Jun 2023 04:47

Tgt Ion: 98 Resp: 352692
Ion Ratio Lower Upper
98 100
100 62.7 50.1 75.1

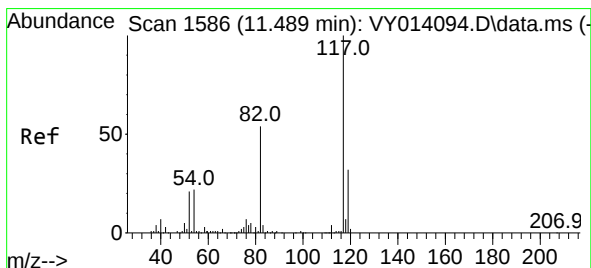
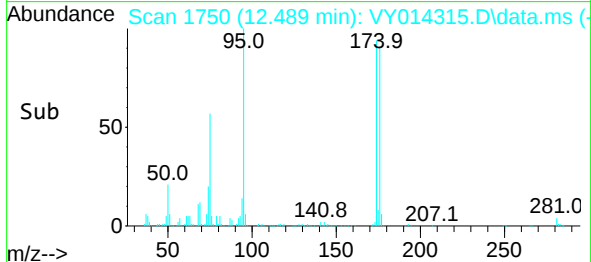
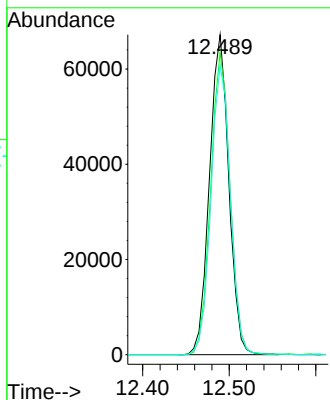
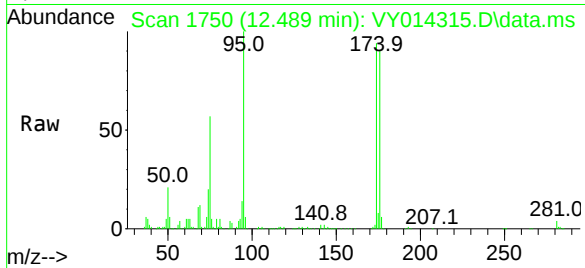




#62
4-Bromofluorobenzene
Concen: 37.453 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VY014315.D
Acq: 21 Jun 2023 04:47

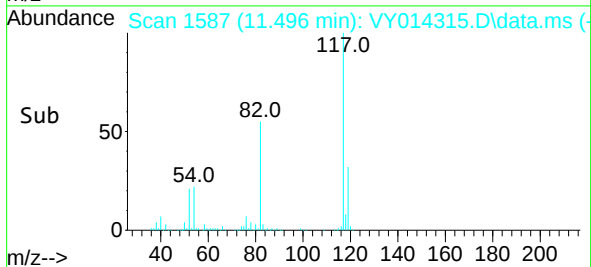
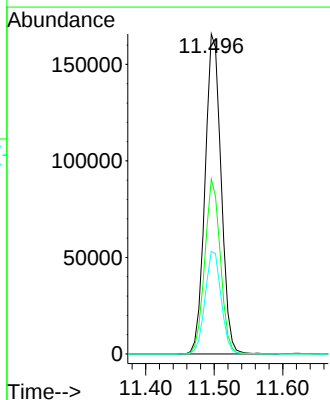
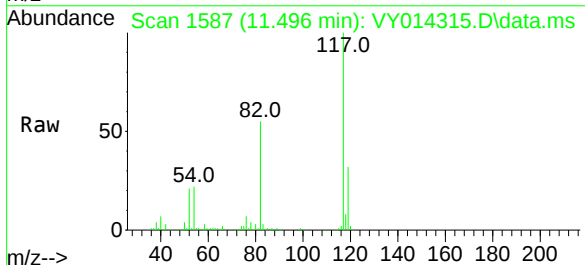
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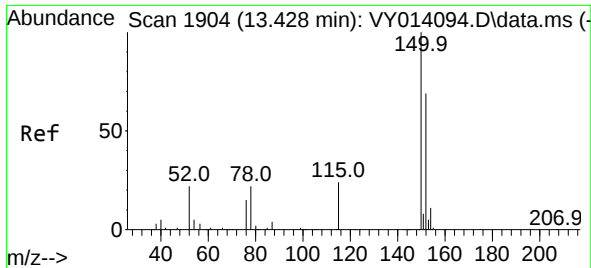
Tgt Ion: 95 Resp: 104274
Ion Ratio Lower Upper
95 100
174 95.0 0.0 178.2
176 91.0 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.007 min
Lab File: VY014315.D
Acq: 21 Jun 2023 04:47

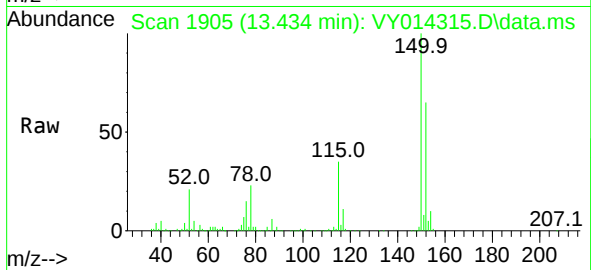
Tgt Ion: 117 Resp: 270434
Ion Ratio Lower Upper
117 100
82 54.6 43.4 65.0
119 32.1 26.3 39.5





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.434 min Scan# 1905
 Delta R.T. 0.006 min
 Lab File: VY014315.D
 Acq: 21 Jun 2023 04:47

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Tgt Ion:	152	Resp:	113354
Ion	Ratio	Lower	Upper
152	100		
115	55.7	28.8	86.5
150	156.7	0.0	348.8

