

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082523\
 Data File : VY015348.D
 Acq On : 25 Aug 2023 17:26
 Operator : SY/MD
 Sample : 04183-05
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 HR-04-082523

Quant Time: Aug 25 23:45:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 14 12:43:26 2023
 Response via : Initial Calibration

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

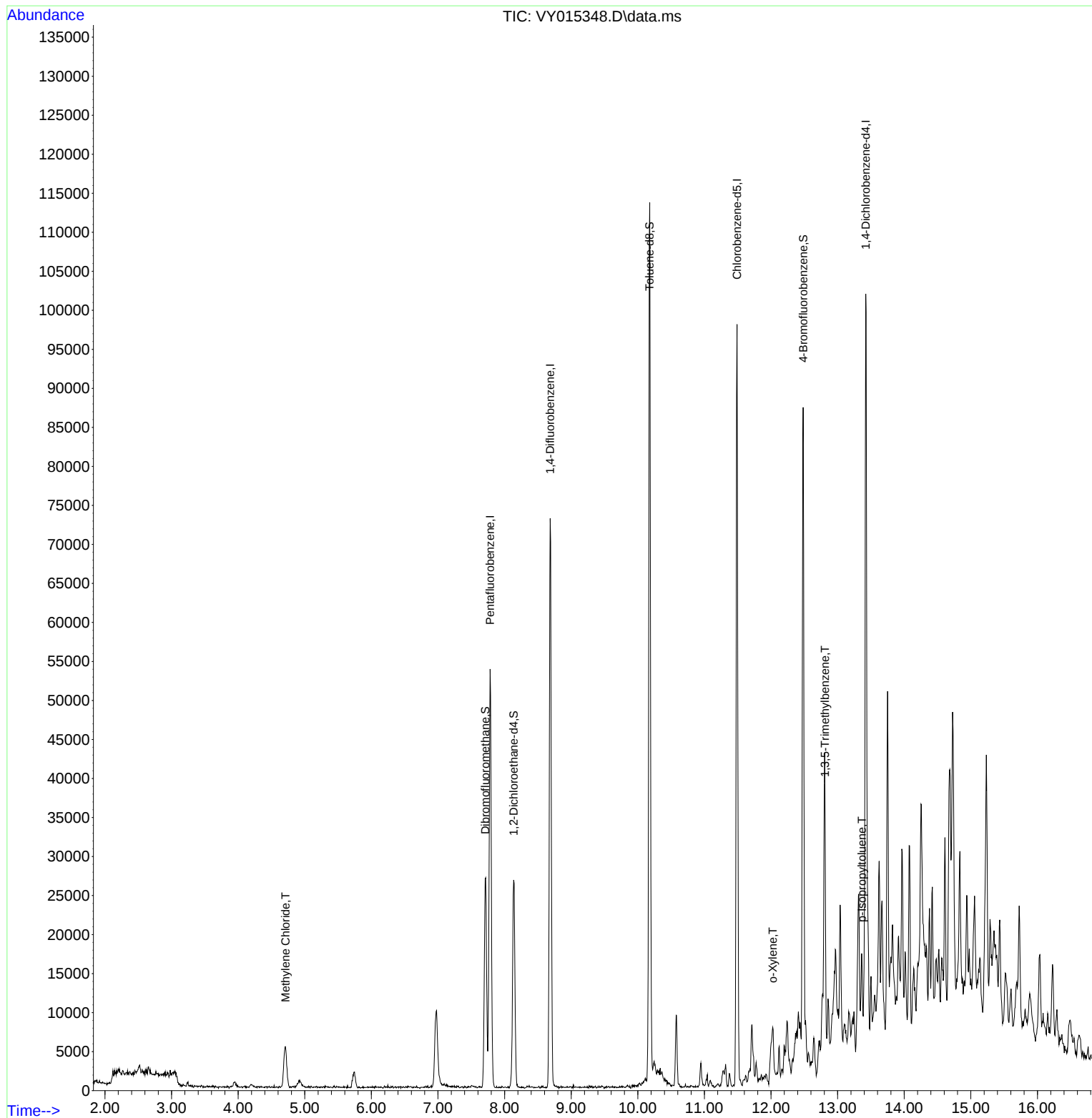
Internal Standards						
1) Pentafluorobenzene	7.783	168	40703	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	64073	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	53791	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	23600	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	21144	43.275	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	86.540%
35) Dibromofluoromethane	7.710	113	19277	46.766	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	93.540%
50) Toluene-d8	10.179	98	73850	48.128	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.260%
62) 4-Bromofluorobenzene	12.483	95	22669	40.447	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	80.900%
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.710	84	4274	7.495	ug/l #	75
69) o-Xylene	12.026	106	1442	2.219	ug/l	86
80) 1,3,5-Trimethylbenzene	12.812	105	4384	3.466	ug/l	96
86) p-Isopropyltoluene	13.367	119	1714	1.219	ug/l	91

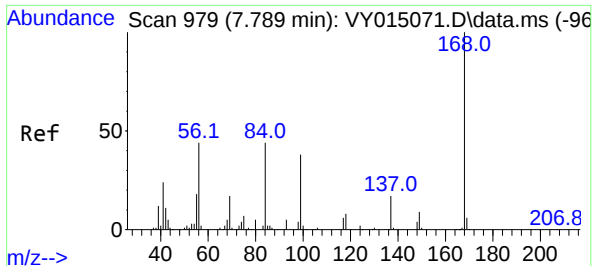
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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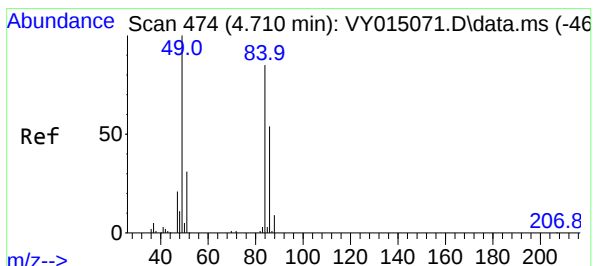
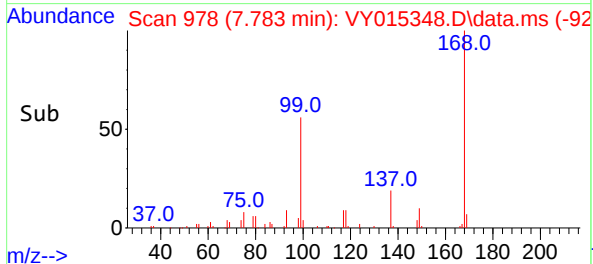
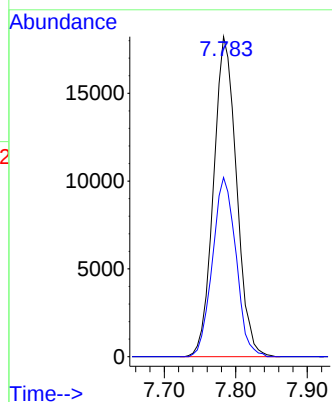
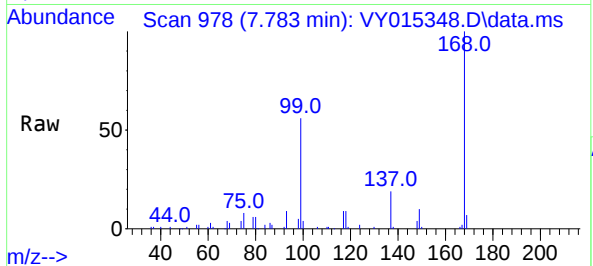




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY015348.D
Acq: 25 Aug 2023 17:26

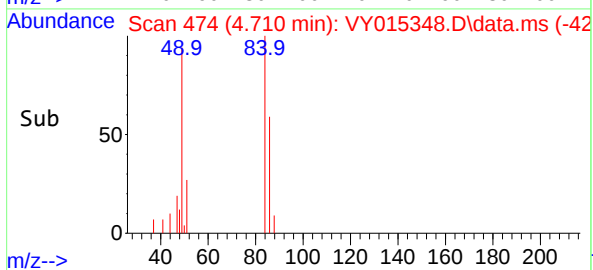
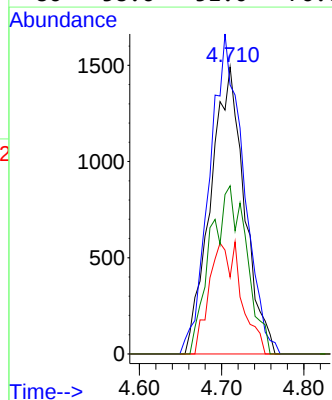
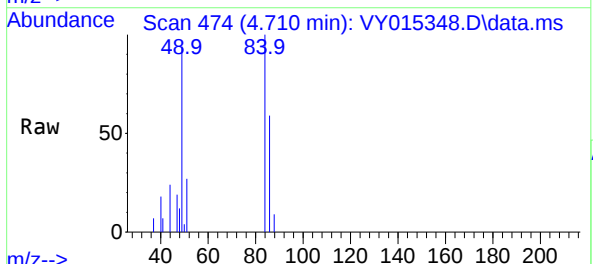
Instrument :
MSVOA_Y
ClientSampleId :
HR-04-082523

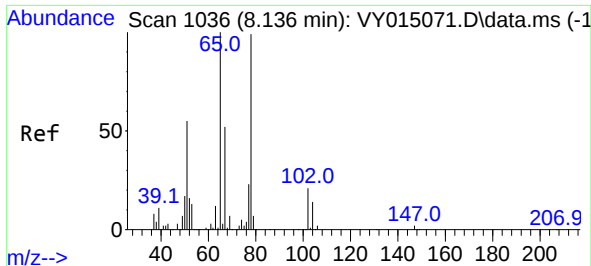
Tgt Ion:168 Resp: 40703
Ion Ratio Lower Upper
168 100
99 56.0 43.4 65.0



#20
Methylene Chloride
Concen: 7.495 ug/l
RT: 4.710 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY015348.D
Acq: 25 Aug 2023 17:26

Tgt Ion: 84 Resp: 4274
Ion Ratio Lower Upper
84 100
49 93.7 106.9 160.3#
51 26.7 33.2 49.8#
86 58.6 51.0 76.6

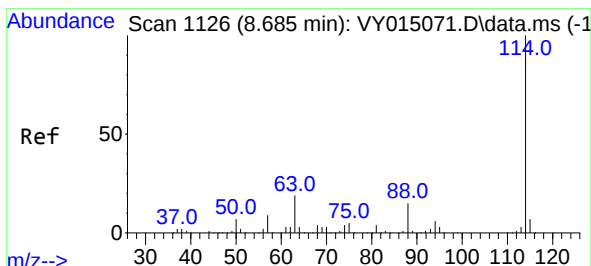
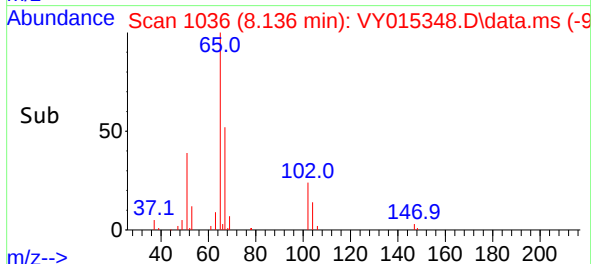
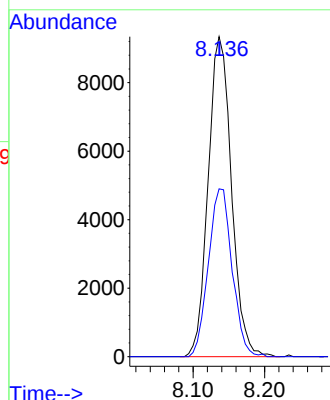
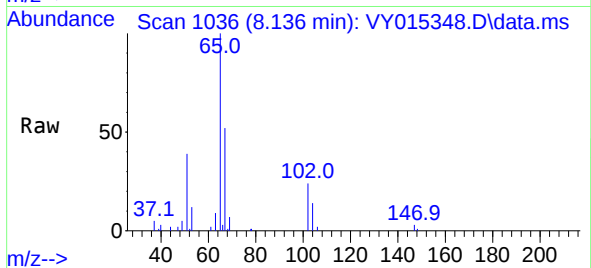




#33
1,2-Dichloroethane-d4
Concen: 43.275 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY015348.D
Acq: 25 Aug 2023 17:26

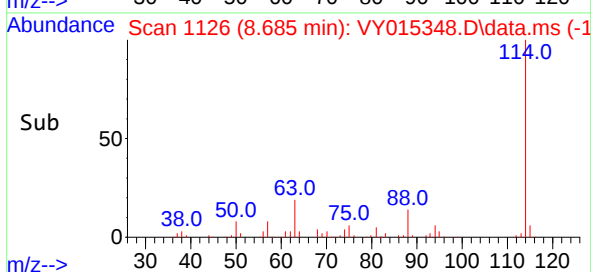
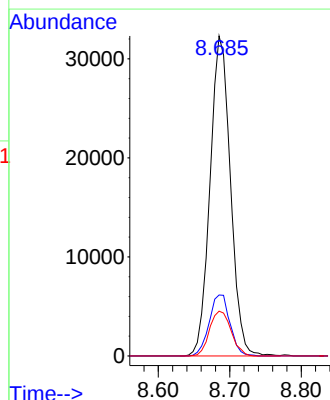
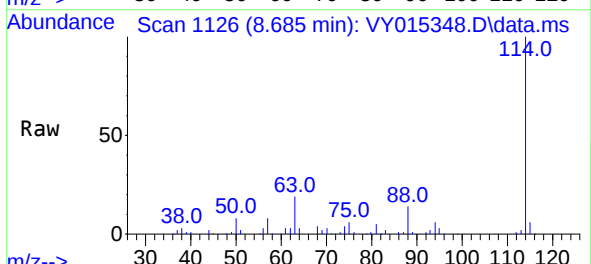
Instrument :
MSVOA_Y
ClientSampleId :
HR-04-082523

Tgt Ion: 65 Resp: 21144
Ion Ratio Lower Upper
65 100
67 53.4 0.0 101.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VY015348.D
Acq: 25 Aug 2023 17:26

Tgt Ion: 114 Resp: 64073
Ion Ratio Lower Upper
114 100
63 19.1 0.0 42.4
88 14.0 0.0 30.6

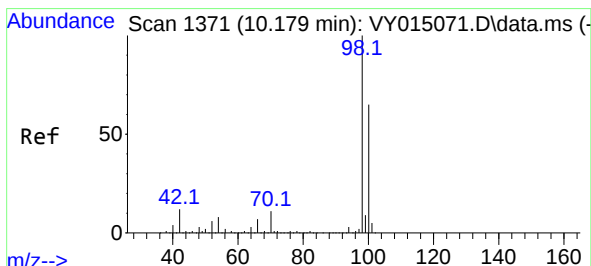
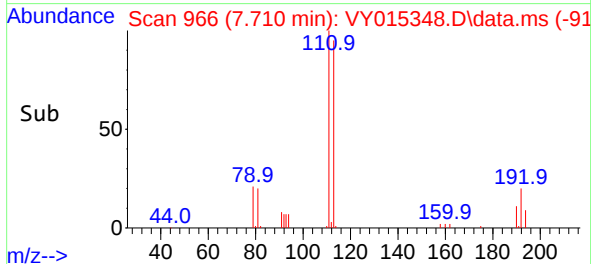
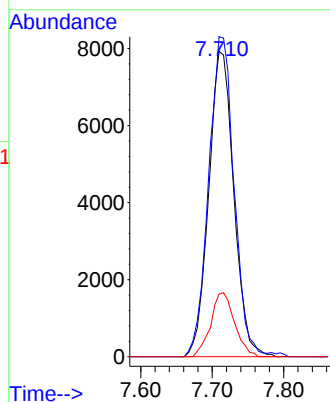
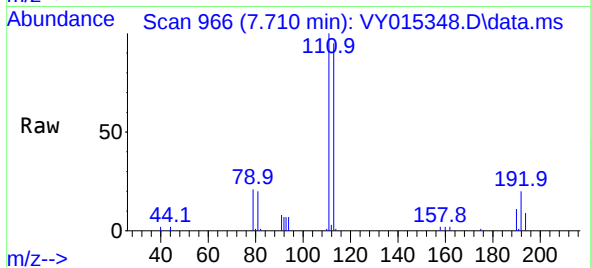




#35
Dibromofluoromethane
Concen: 46.766 ug/l
RT: 7.710 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY015348.D
Acq: 25 Aug 2023 17:26

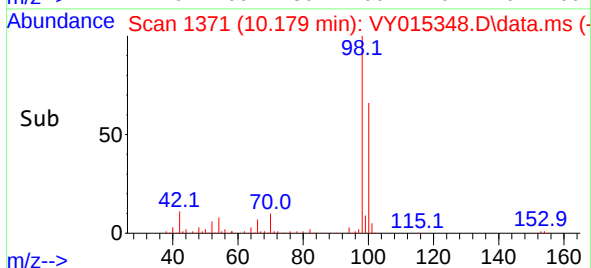
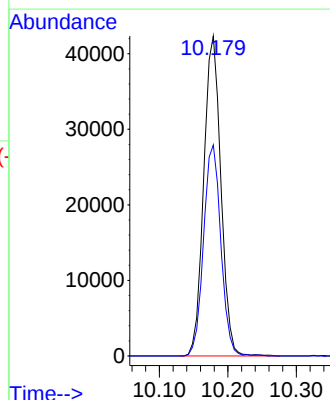
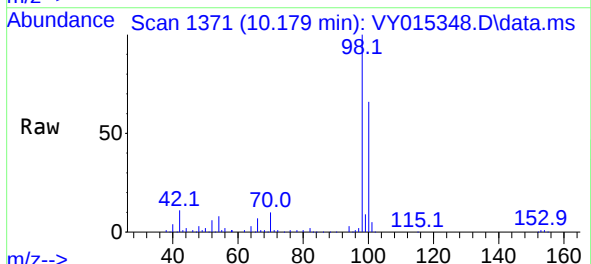
Instrument :
MSVOA_Y
ClientSampleId :
HR-04-082523

Tgt Ion:113 Resp: 19277
Ion Ratio Lower Upper
113 100
111 105.8 81.3 121.9
192 20.0 16.9 25.3



#50
Toluene-d8
Concen: 48.128 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY015348.D
Acq: 25 Aug 2023 17:26

Tgt Ion: 98 Resp: 73850
Ion Ratio Lower Upper
98 100
100 66.4 50.1 75.1

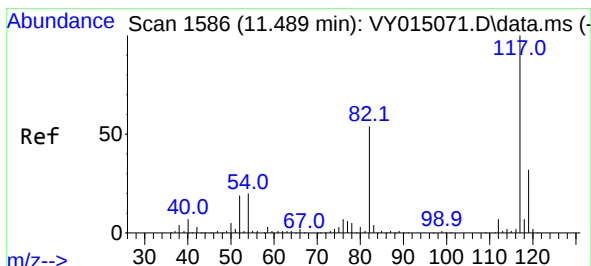
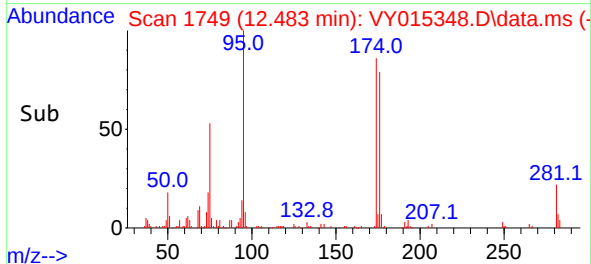
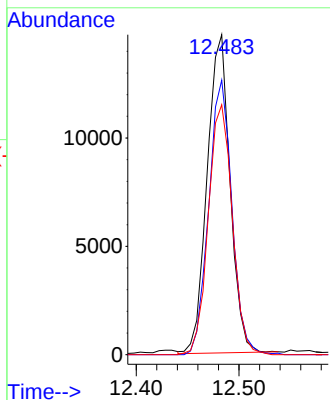
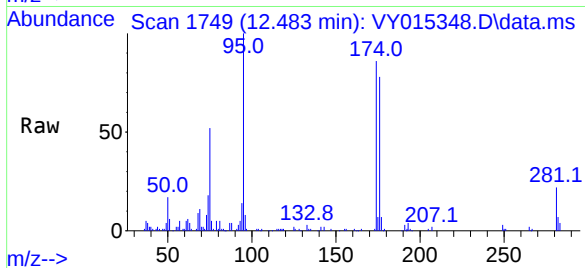




#62
4-Bromofluorobenzene
Concen: 40.447 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY015348.D
Acq: 25 Aug 2023 17:26

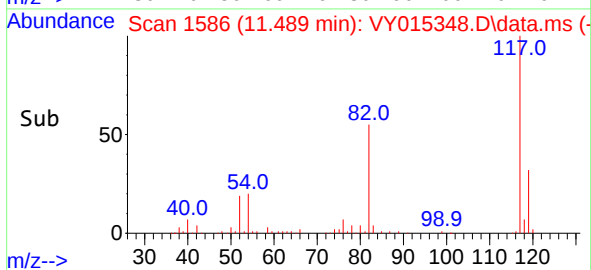
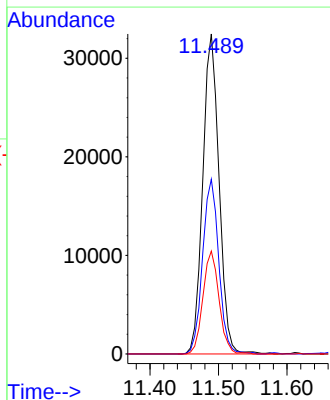
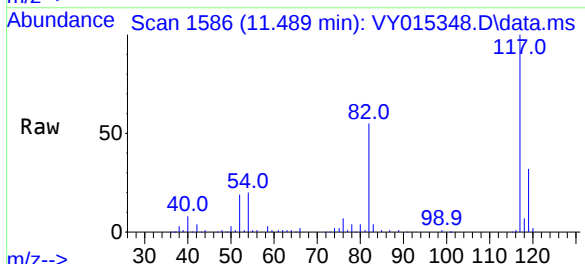
Instrument :
MSVOA_Y
ClientSampleId :
HR-04-082523

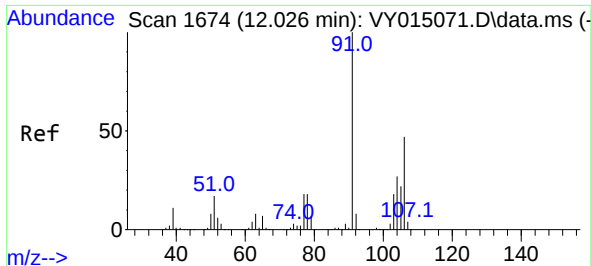
Tgt Ion: 95 Resp: 22669
Ion Ratio Lower Upper
95 100
174 87.6 0.0 178.2
176 82.2 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY015348.D
Acq: 25 Aug 2023 17:26

Tgt Ion: 117 Resp: 53791
Ion Ratio Lower Upper
117 100
82 54.6 43.4 65.0
119 32.2 26.3 39.5

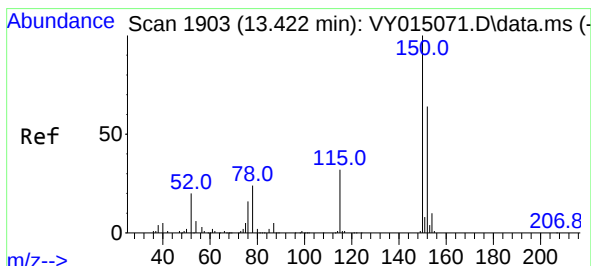
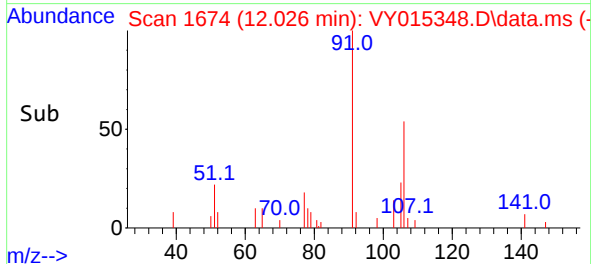
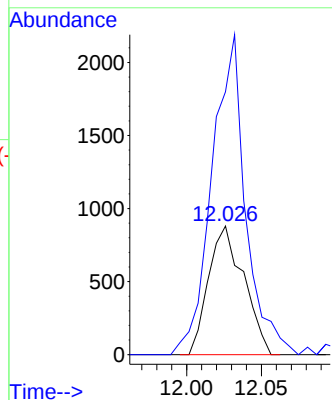
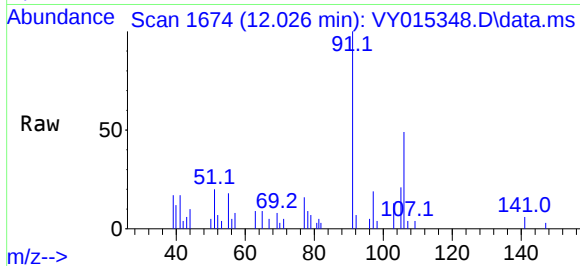




#69
o-Xylene
Concen: 2.219 ug/l
RT: 12.026 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY015348.D
Acq: 25 Aug 2023 17:26

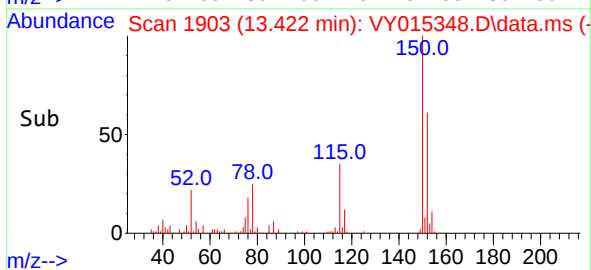
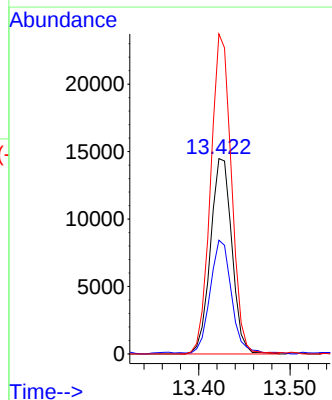
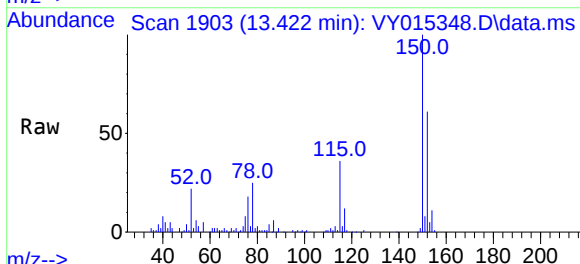
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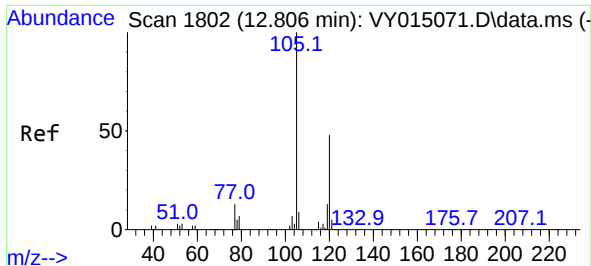
Tgt Ion:106 Resp: 1442
Ion Ratio Lower Upper
106 100
91 237.8 108.1 324.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY015348.D
Acq: 25 Aug 2023 17:26

Tgt Ion:152 Resp: 23600
Ion Ratio Lower Upper
152 100
115 58.7 28.8 86.5
150 158.4 0.0 348.8

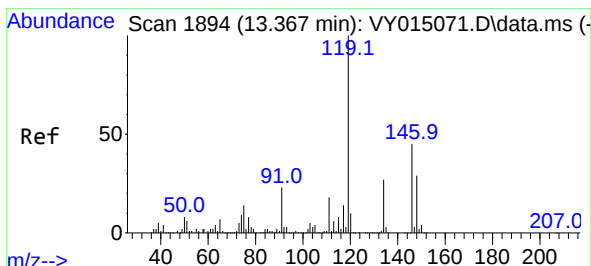
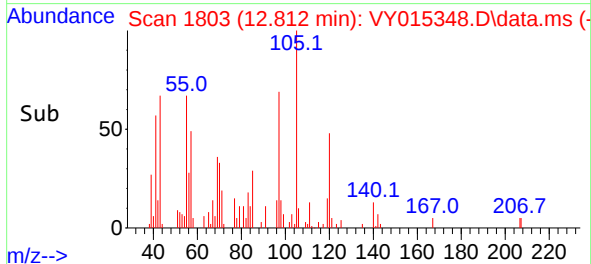
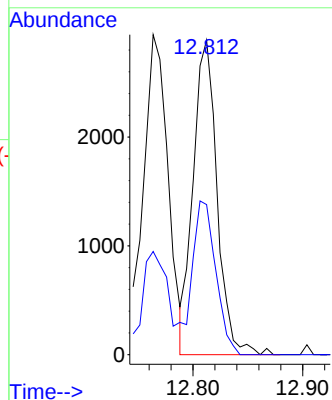
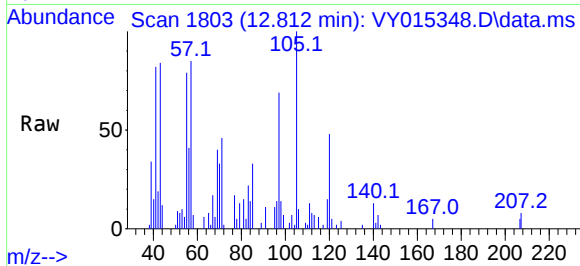




#80
1,3,5-Trimethylbenzene
Concen: 3.466 ug/l
RT: 12.812 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY015348.D
Acq: 25 Aug 2023 17:26

Instrument :
MSVOA_Y
ClientSampleId :
HR-04-082523

Tgt Ion:105 Resp: 4384
Ion Ratio Lower Upper
105 100
120 45.1 23.9 71.7



#86
p-Isopropyltoluene
Concen: 1.219 ug/l
RT: 13.367 min Scan# 1894
Delta R.T. 0.000 min
Lab File: VY015348.D
Acq: 25 Aug 2023 17:26

Tgt Ion:119 Resp: 1714
Ion Ratio Lower Upper
119 100
134 31.6 13.3 39.8
91 29.2 12.4 37.4

