

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100323\
 Data File : VY015809.D
 Acq On : 03 Oct 2023 16:31
 Operator : SY/MD
 Sample : 04685-12
 Misc : 5.34g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PP-20230928-B13-13-15

Quant Time: Oct 04 01:12:52 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091923S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 20 01:39:40 2023
 Response via : Initial Calibration

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

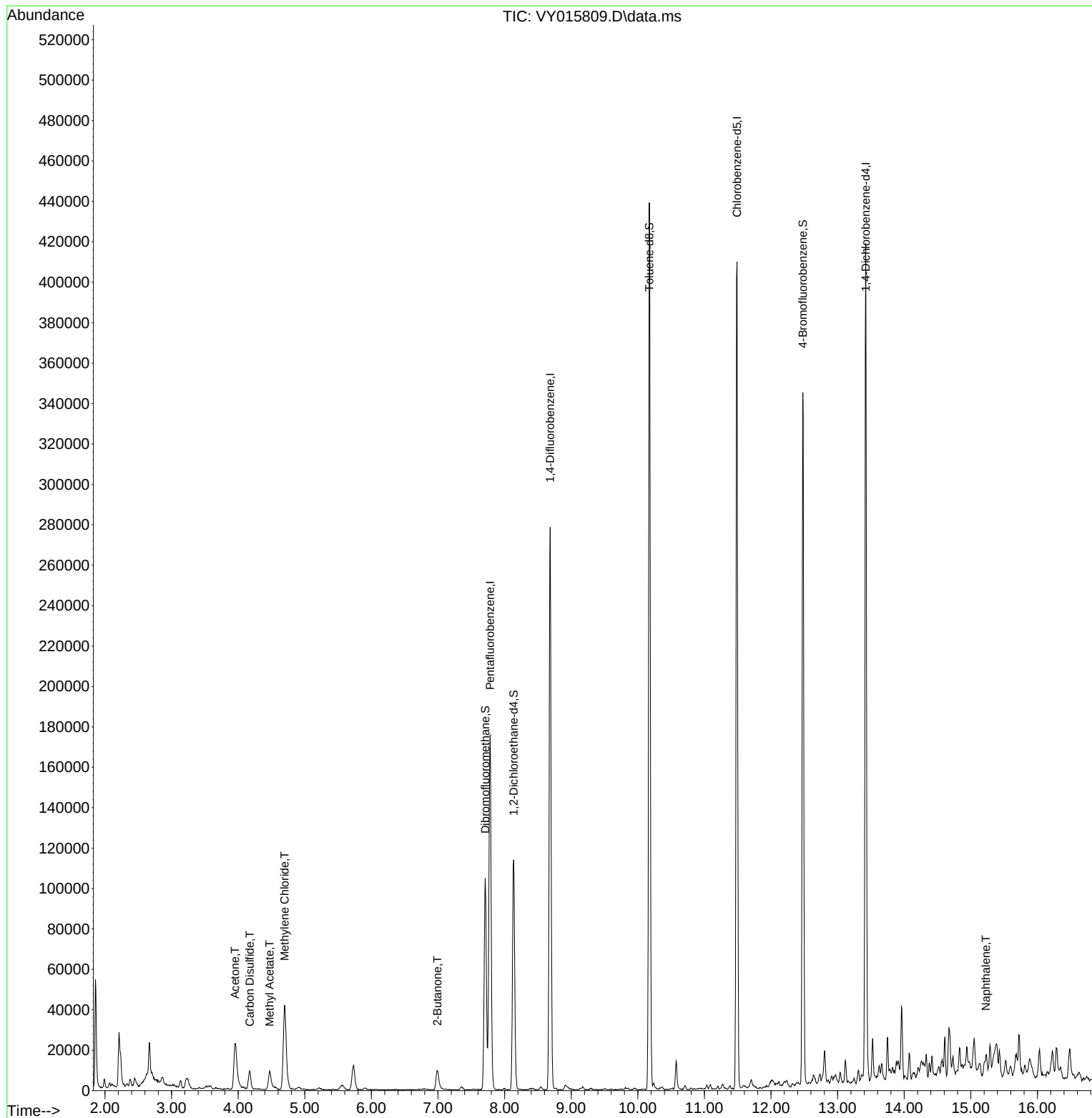
Internal Standards						
1) Pentafluorobenzene	7.783	168	139129	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	242165	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	225759	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	105283	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	89700	58.597	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	117.200%
35) Dibromofluoromethane	7.710	113	74726	51.555	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.120%
50) Toluene-d8	10.173	98	285673	58.128	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	116.260%
62) 4-Bromofluorobenzene	12.477	95	100534	52.127	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	104.260%
Target Compounds						
					Qvalue	
16) Acetone	3.954	43	51743	63.161	ug/l	93
17) Carbon Disulfide	4.174	76	18297	7.695	ug/l	99
18) Methyl Acetate	4.472	43	18537	6.744	ug/l	96
20) Methylene Chloride	4.698	84	32378	14.622	ug/l	90
25) 2-Butanone	6.990	43	18293	15.798	ug/l	92
95) Naphthalene	15.227	128	6907	1.185	ug/l #	92

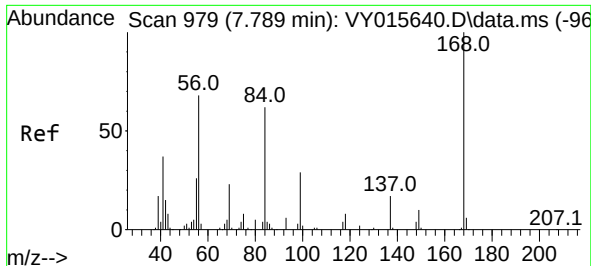
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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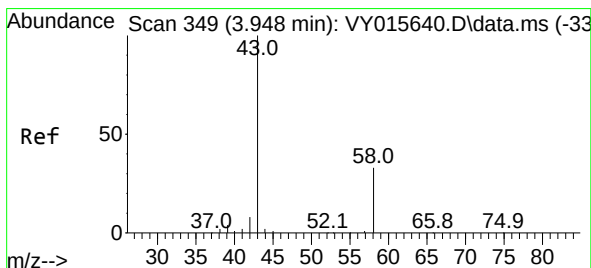
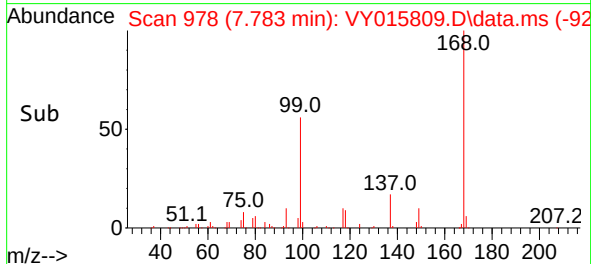
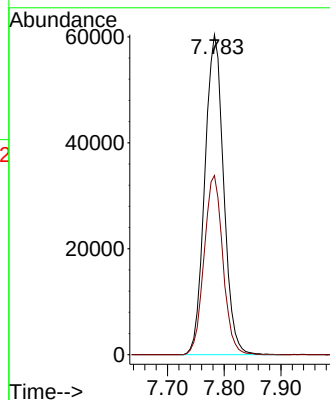
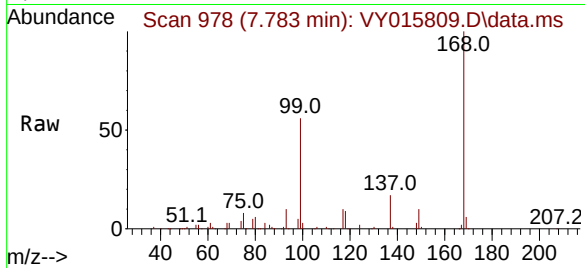




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY015809.D
Acq: 03 Oct 2023 16:31

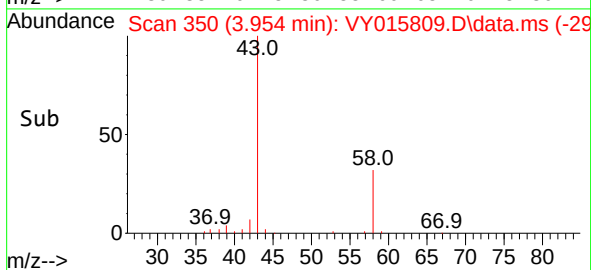
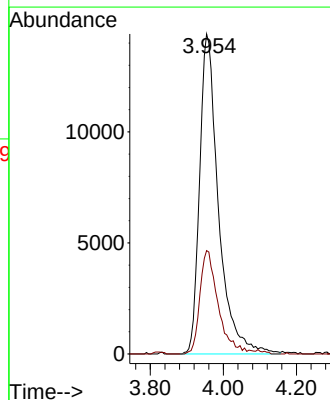
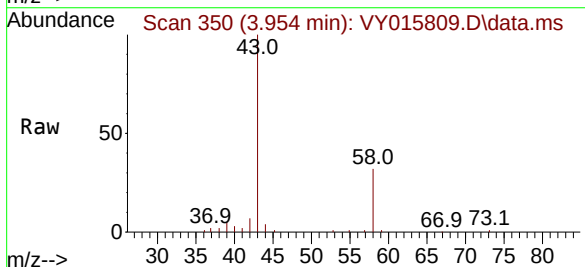
Instrument :
MSVOA_Y
ClientSampleId :
PP-20230928-B13-13-15

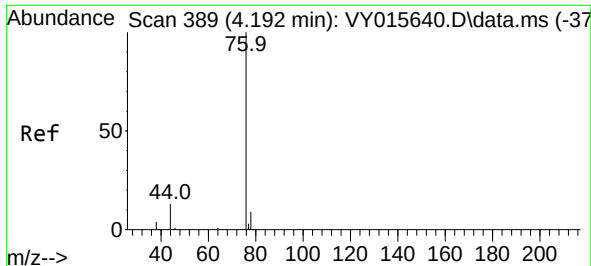
Tgt Ion:168 Resp: 139129
Ion Ratio Lower Upper
168 100
99 56.0 43.4 65.0



#16
Acetone
Concen: 63.161 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.012 min
Lab File: VY015809.D
Acq: 03 Oct 2023 16:31

Tgt Ion: 43 Resp: 51743
Ion Ratio Lower Upper
43 100
58 32.3 22.7 34.1

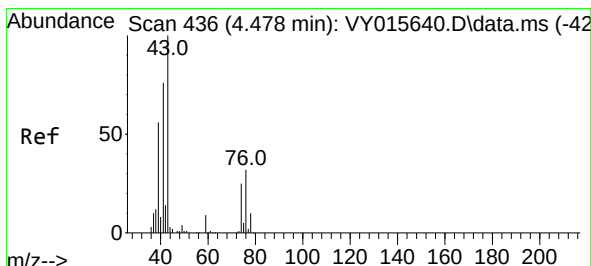
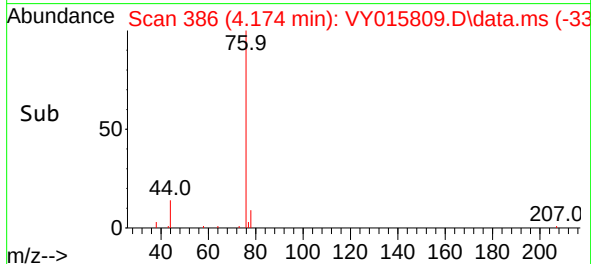
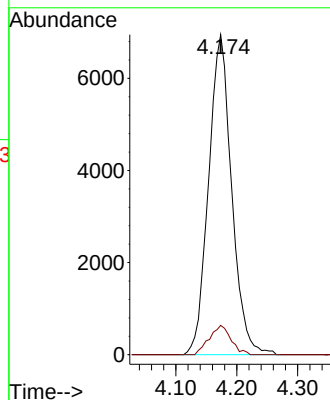
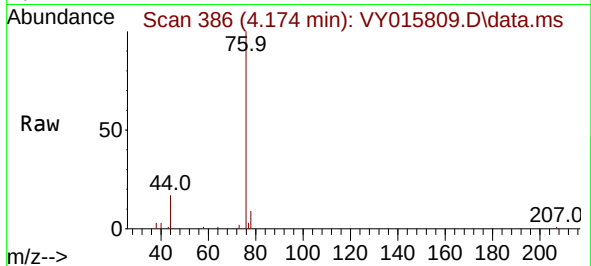




#17
Carbon Disulfide
Concen: 7.695 ug/l
RT: 4.174 min Scan# 31
Delta R.T. -0.012 min
Lab File: VY015809.D
Acq: 03 Oct 2023 16:31

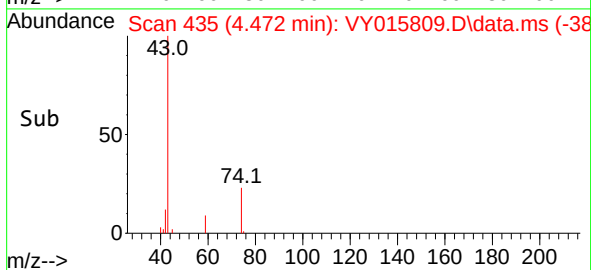
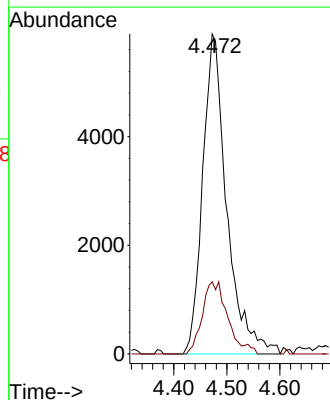
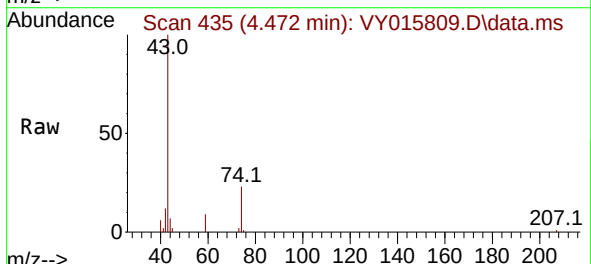
Instrument : MSVOA_Y
ClientSampleId : PP-20230928-B13-13-15

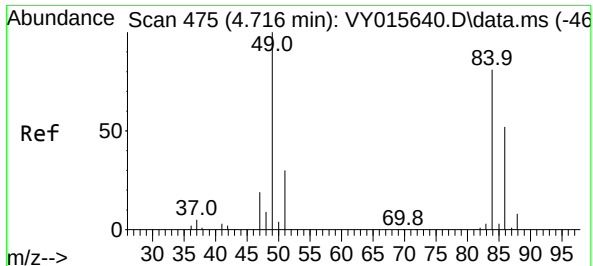
Tgt Ion: 76 Resp: 18297
Ion Ratio Lower Upper
76 100
78 9.2 7.0 10.4



#18
Methyl Acetate
Concen: 6.744 ug/l
RT: 4.472 min Scan# 435
Delta R.T. 0.000 min
Lab File: VY015809.D
Acq: 03 Oct 2023 16:31

Tgt Ion: 43 Resp: 18537
Ion Ratio Lower Upper
43 100
74 23.8 17.4 26.0

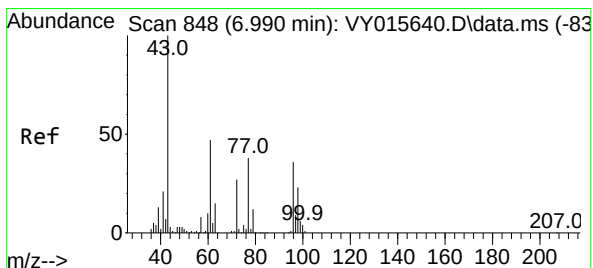
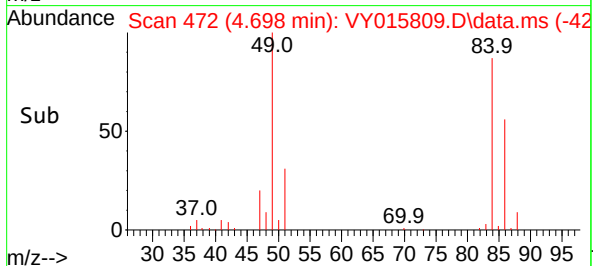
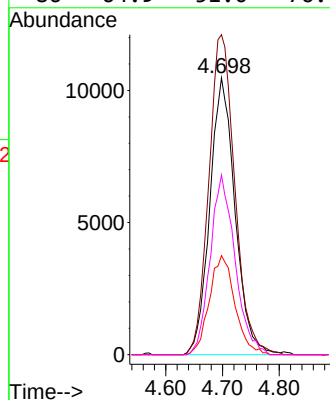
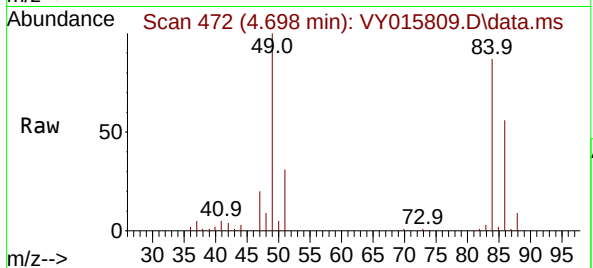




#20
Methylene Chloride
Concen: 14.622 ug/l
RT: 4.698 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY015809.D
Acq: 03 Oct 2023 16:31

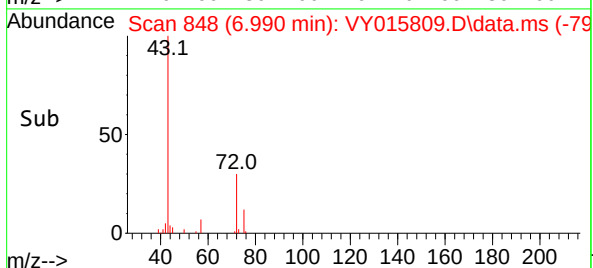
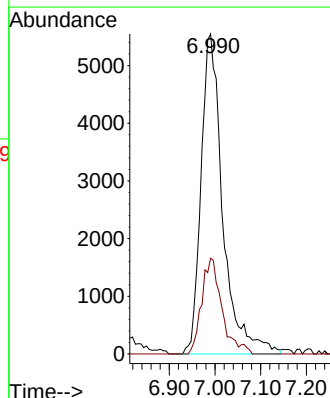
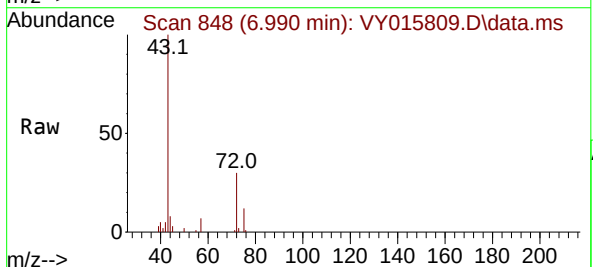
Instrument :
MSVOA_Y
ClientSampleId :
PP-20230928-B13-13-15

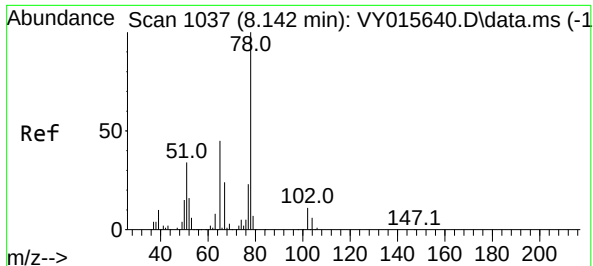
Tgt Ion:	84	Resp:	32378
Ion	Ratio	Lower	Upper
84	100		
49	115.6	106.9	160.3
51	35.8	33.2	49.8
86	64.9	51.0	76.6



#25
2-Butanone
Concen: 15.798 ug/l
RT: 6.990 min Scan# 848
Delta R.T. 0.012 min
Lab File: VY015809.D
Acq: 03 Oct 2023 16:31

Tgt Ion:	43	Resp:	18293
Ion	Ratio	Lower	Upper
43	100		
72	29.9	20.5	30.7





#33

1,2-Dichloroethane-d4

Concen: 58.597 ug/l

RT: 8.136 min Scan# 1037

Delta R.T. 0.000 min

Lab File: VY015809.D

Acq: 03 Oct 2023 16:31

Instrument :

MSVOA_Y

ClientSampleId :

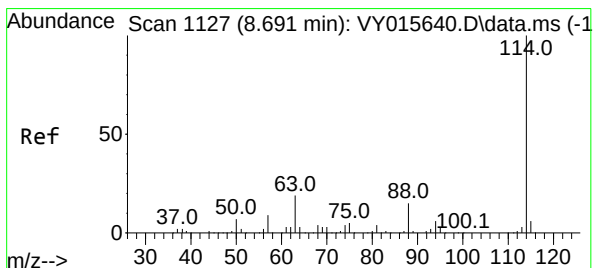
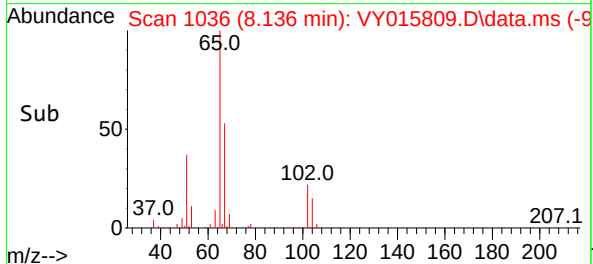
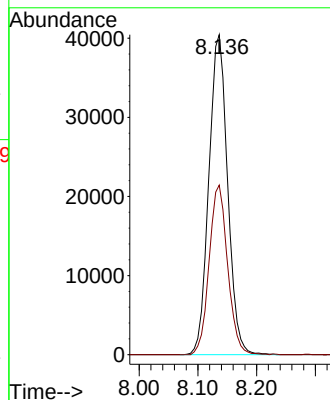
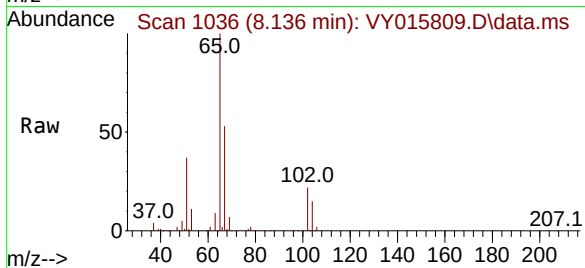
PP-20230928-B13-13-15

Tgt Ion: 65 Resp: 89700

Ion Ratio Lower Upper

65 100

67 52.2 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: VY015809.D

Acq: 03 Oct 2023 16:31

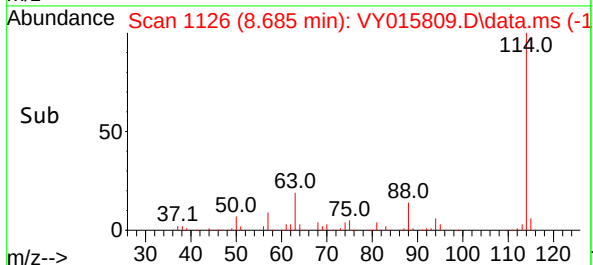
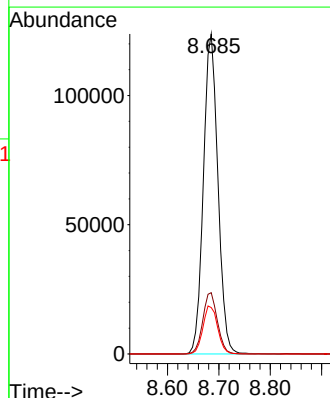
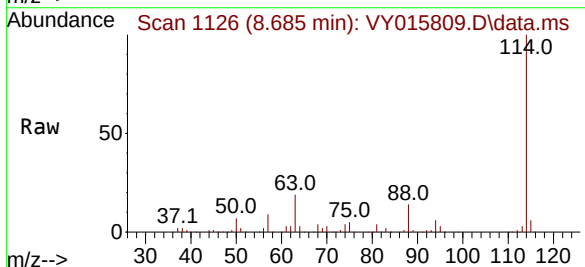
Tgt Ion: 114 Resp: 242165

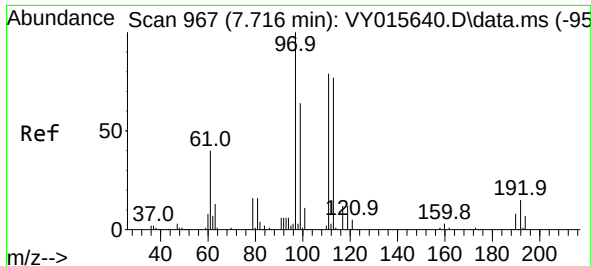
Ion Ratio Lower Upper

114 100

63 19.1 0.0 42.4

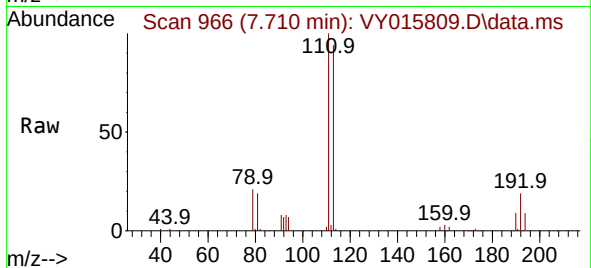
88 14.5 0.0 30.6



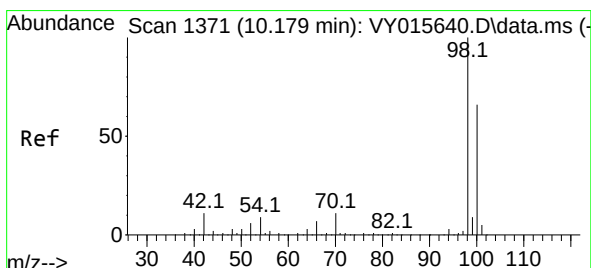
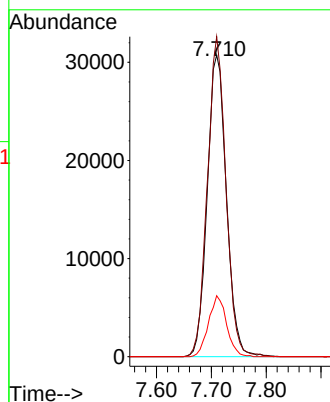
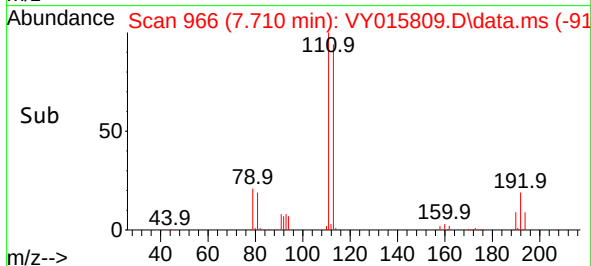


#35
Dibromofluoromethane
Concen: 51.555 ug/l
RT: 7.710 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY015809.D
Acq: 03 Oct 2023 16:31

Instrument :
MSVOA_Y
ClientSampleId :
PP-20230928-B13-13-15

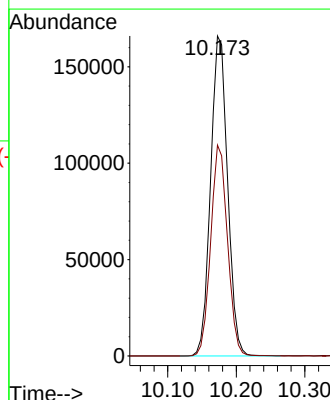
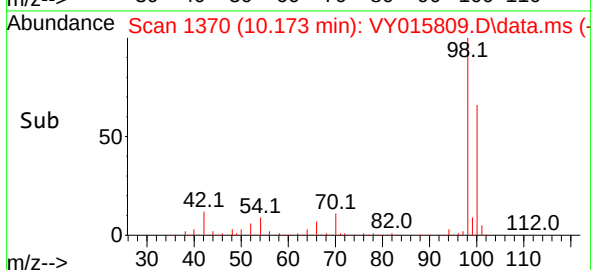
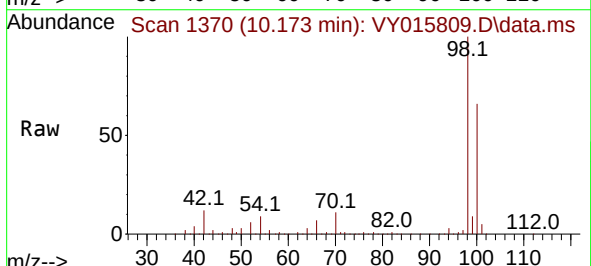


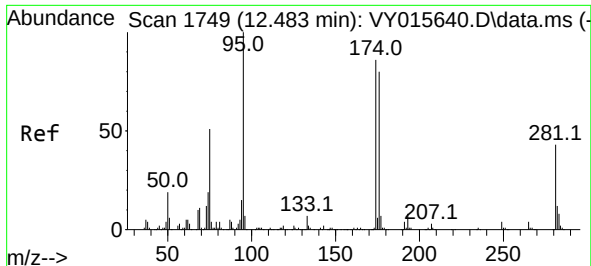
Tgt Ion:113 Resp: 74726
Ion Ratio Lower Upper
113 100
111 102.4 81.3 121.9
192 19.1 16.9 25.3



#50
Toluene-d8
Concen: 58.128 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. -0.006 min
Lab File: VY015809.D
Acq: 03 Oct 2023 16:31

Tgt Ion: 98 Resp: 285673
Ion Ratio Lower Upper
98 100
100 65.2 50.1 75.1

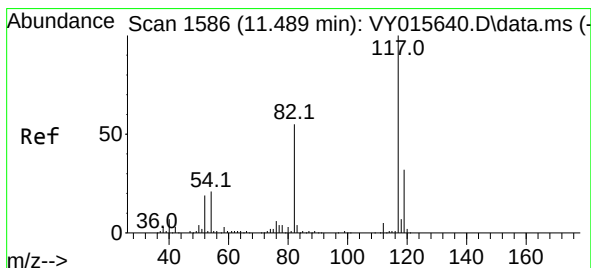
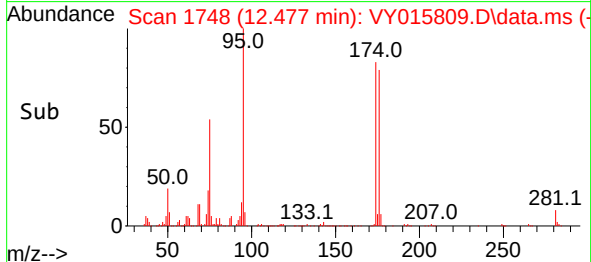
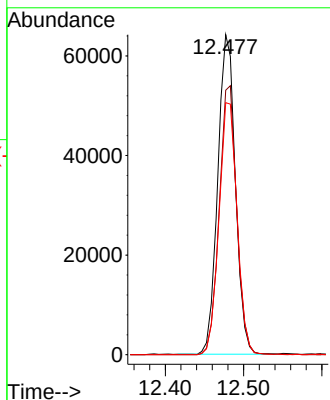
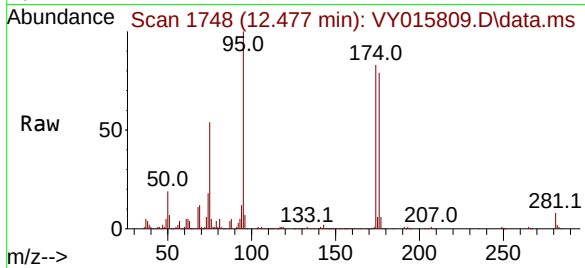




#62
4-Bromofluorobenzene
Concen: 52.127 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY015809.D
Acq: 03 Oct 2023 16:31

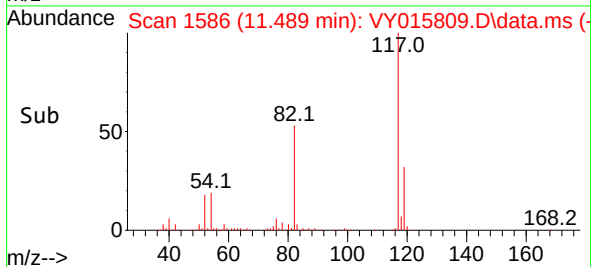
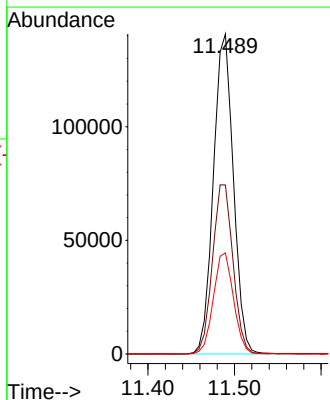
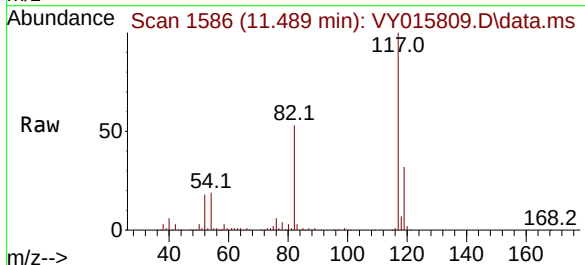
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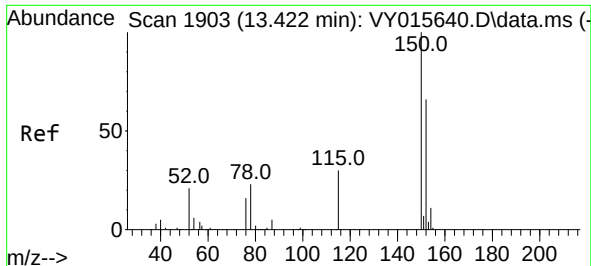
Tgt Ion: 95 Resp: 100534
Ion Ratio Lower Upper
95 100
174 83.8 0.0 178.2
176 81.2 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY015809.D
Acq: 03 Oct 2023 16:31

Tgt Ion: 117 Resp: 225759
Ion Ratio Lower Upper
117 100
82 52.8 43.4 65.0
119 31.6 26.3 39.5

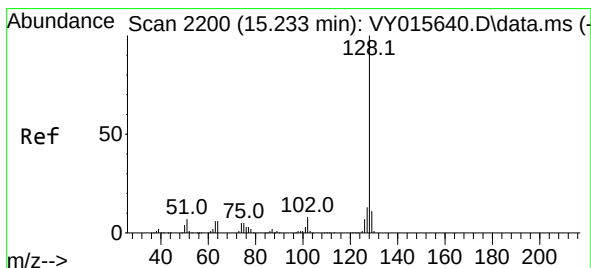
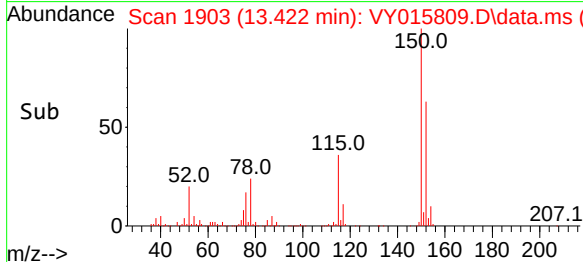
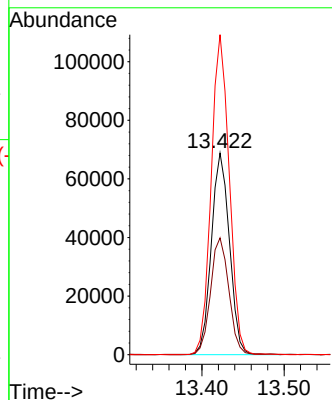
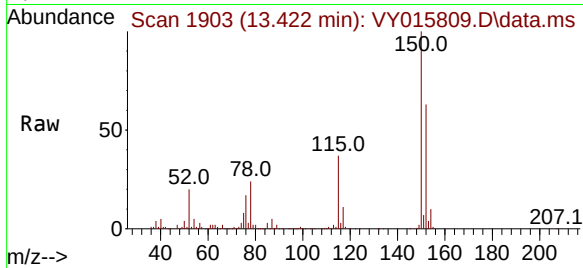




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY015809.D
Acq: 03 Oct 2023 16:31

Instrument :
MSVOA_Y
ClientSampleId :
PP-20230928-B13-13-15

Tgt Ion:152 Resp: 105283
Ion Ratio Lower Upper
152 100
115 58.0 28.8 86.5
150 158.2 0.0 348.8



#95
Naphthalene
Concen: 1.185 ug/l
RT: 15.227 min Scan# 2199
Delta R.T. -0.006 min
Lab File: VY015809.D
Acq: 03 Oct 2023 16:31

Tgt Ion:128 Resp: 6907
Ion Ratio Lower Upper
128 100
127 19.1 10.8 16.2#
129 11.0 8.6 13.0

