

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121422\
 Data File : VN075801.D
 Acq On : 15 Dec 2022 05:39
 Operator : JC\MD
 Sample : N5990-10
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP120722-1

Quant Time: Dec 15 07:45:17 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 14 13:03:41 2022
 Response via : Initial Calibration

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

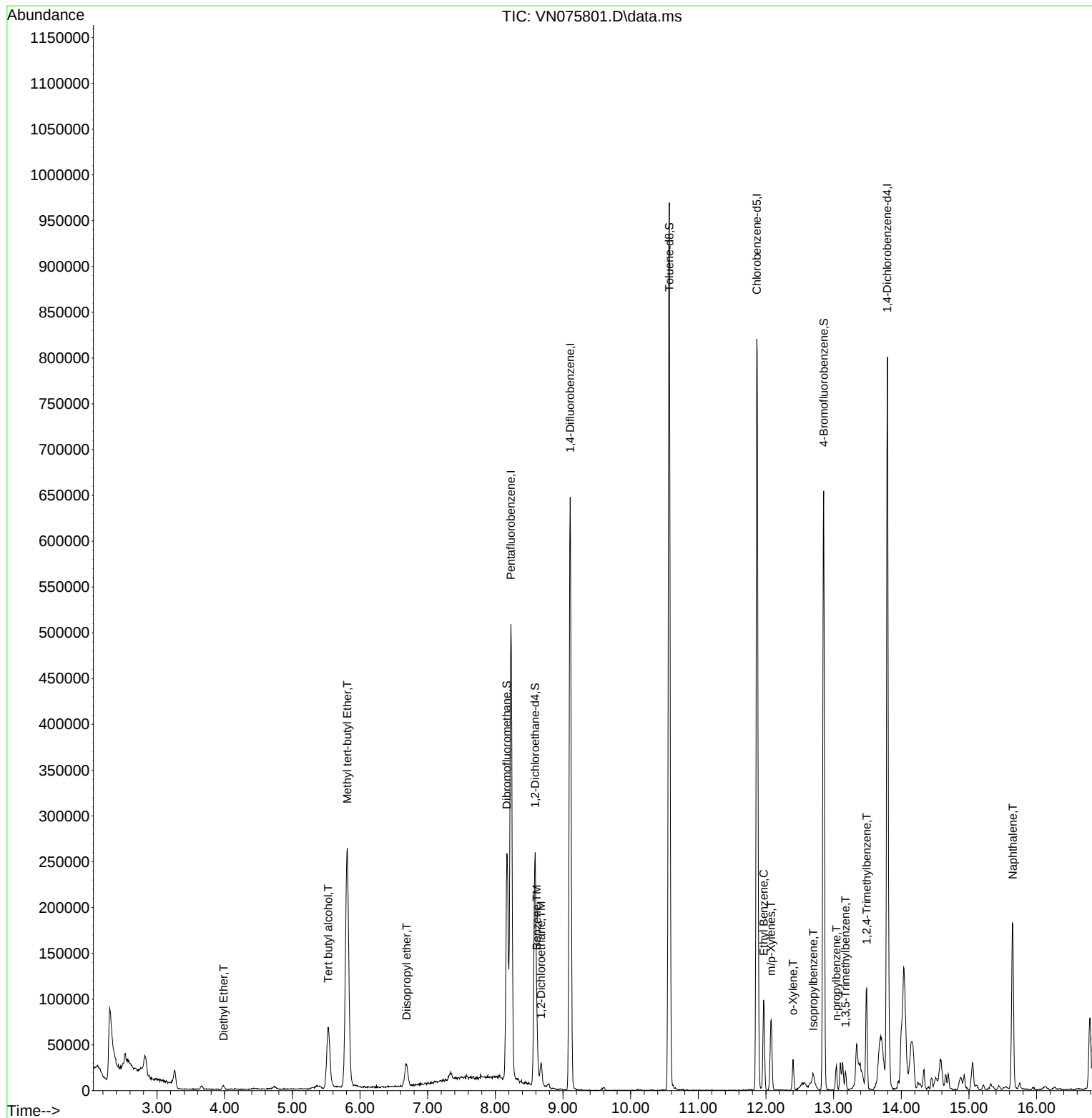
Internal Standards						
1) Pentafluorobenzene	8.230	168	394397	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	598749	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	514482	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	221825	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	194908	45.426	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	90.860%
35) Dibromofluoromethane	8.171	113	179867	48.508	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.020%
50) Toluene-d8	10.571	98	695318	50.154	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.300%
62) 4-Bromofluorobenzene	12.853	95	215642	46.962	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	93.920%
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.983	74	2733	1.187	ug/l	100
11) Tert butyl alcohol	5.530	59	123894	204.067	ug/l	99
19) Methyl tert-butyl Ether	5.812	73	459707	39.937	ug/l	97
22) Diisopropyl ether	6.689	45	28171	2.838	ug/l	95
40) Benzene	8.612	78	53072	3.492	ug/l	98
42) 1,2-Dichloroethane	8.677	62	22342	4.422	ug/l	97
67) Ethyl Benzene	11.965	91	73914	4.147	ug/l	100
68) m/p-Xylenes	12.076	106	27887	3.953	ug/l	99
69) o-Xylene	12.400	106	9304	1.333	ug/l	94
73) Isopropylbenzene	12.700	105	5680	0.354	ug/l	98
78) n-propylbenzene	13.041	91	21182	1.198	ug/l	98
80) 1,3,5-Trimethylbenzene	13.176	105	11068	0.825	ug/l	91
84) 1,2,4-Trimethylbenzene	13.488	105	63845	4.797	ug/l	99
95) Naphthalene	15.647	128	184295	16.778	ug/l	100

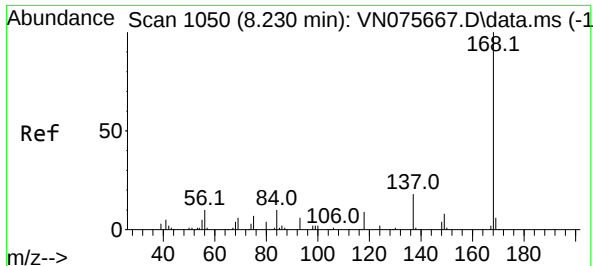
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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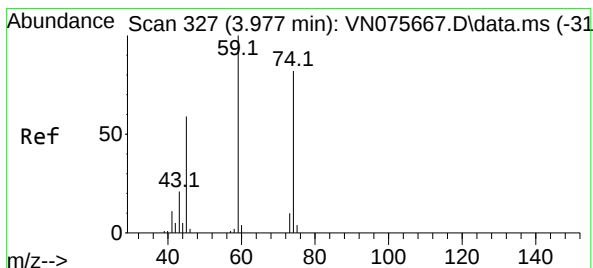
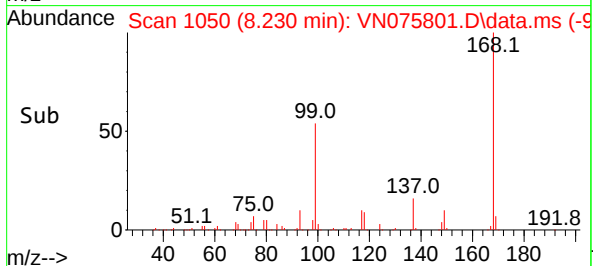
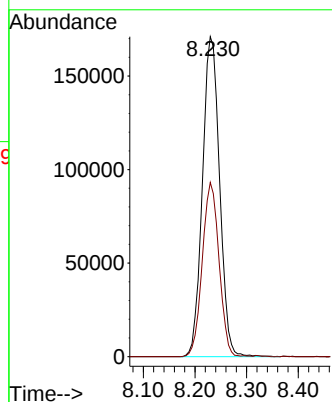
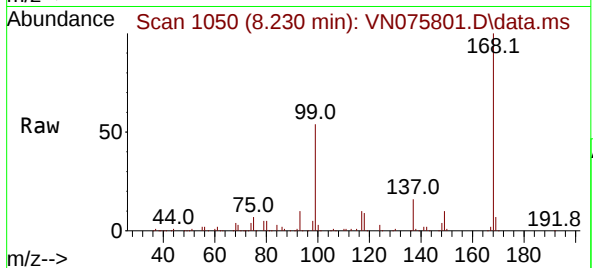




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN075801.D
Acq: 15 Dec 2022 05:39

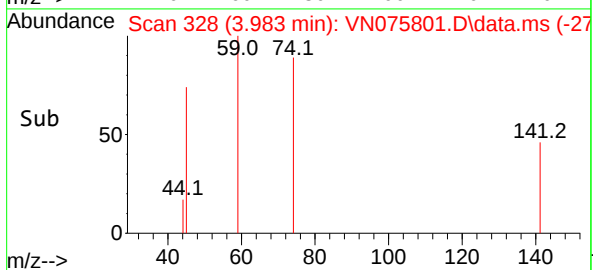
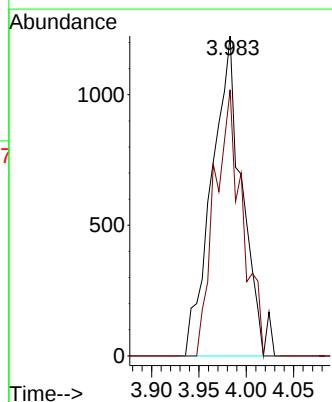
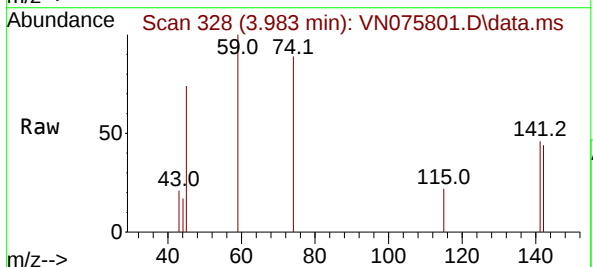
Instrument :
MSVOA_N
ClientSampleId :
DUP120722-1

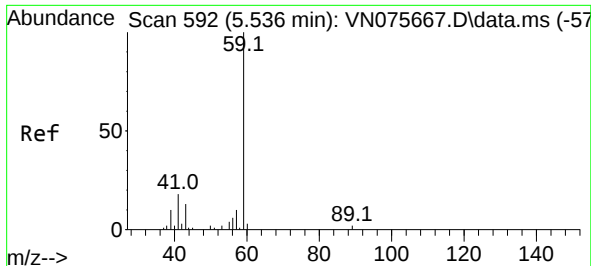
Tgt Ion:168 Resp: 394397
Ion Ratio Lower Upper
168 100
99 54.5 44.2 66.4



#8
Diethyl Ether
Concen: 1.187 ug/l
RT: 3.983 min Scan# 328
Delta R.T. 0.012 min
Lab File: VN075801.D
Acq: 15 Dec 2022 05:39

Tgt Ion: 74 Resp: 2733
Ion Ratio Lower Upper
74 100
45 75.5 37.8 113.4

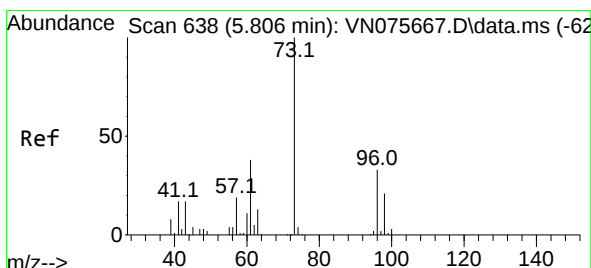
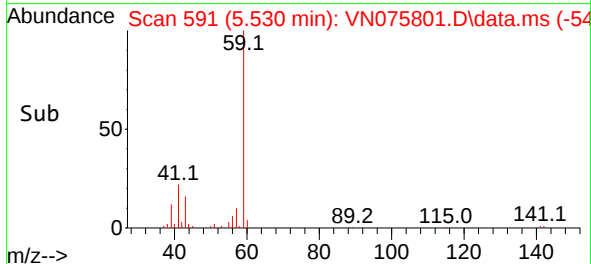
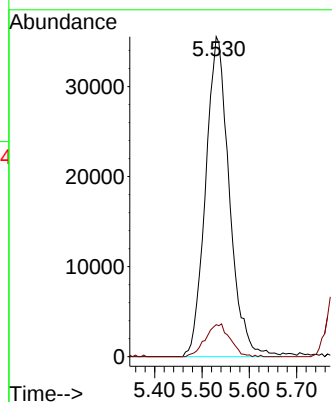
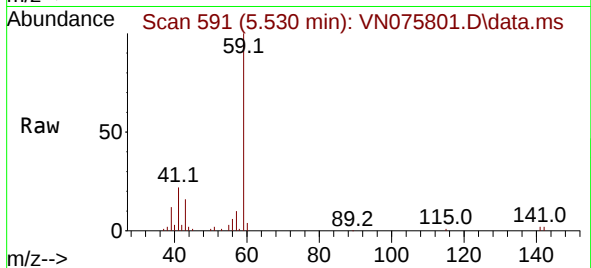




#11
Tert butyl alcohol
Concen: 204.067 ug/l
RT: 5.530 min Scan# 591
Delta R.T. -0.006 min
Lab File: VN075801.D
Acq: 15 Dec 2022 05:39

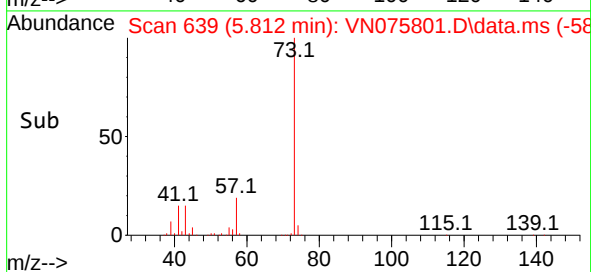
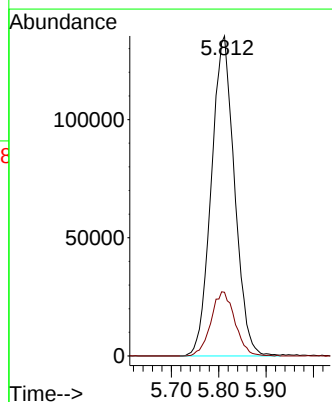
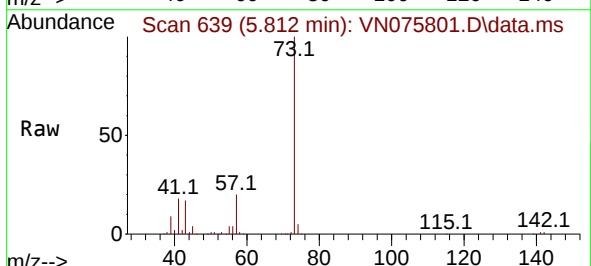
Instrument :
MSVOA_N
ClientSampleId :
DUP120722-1

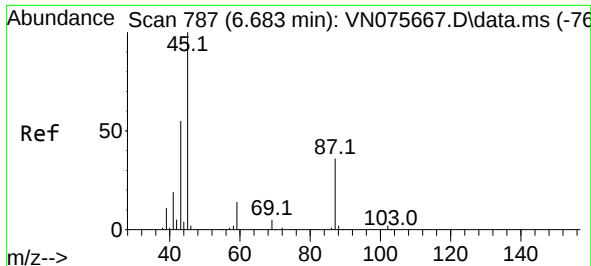
Tgt Ion: 59 Resp: 123894
Ion Ratio Lower Upper
59 100
57 10.5 8.2 12.4



#19
Methyl tert-butyl Ether
Concen: 39.937 ug/l
RT: 5.812 min Scan# 639
Delta R.T. 0.006 min
Lab File: VN075801.D
Acq: 15 Dec 2022 05:39

Tgt Ion: 73 Resp: 459707
Ion Ratio Lower Upper
73 100
57 19.9 17.1 25.7

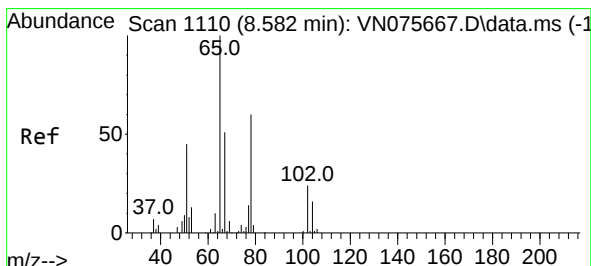
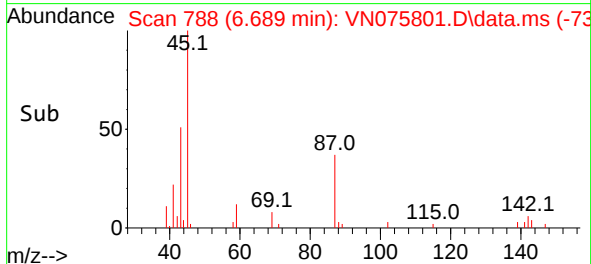
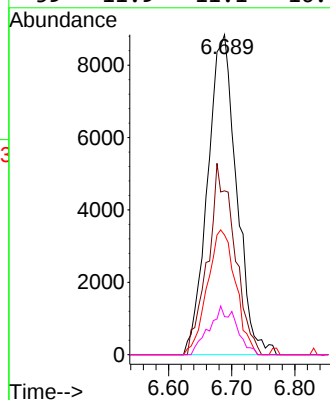
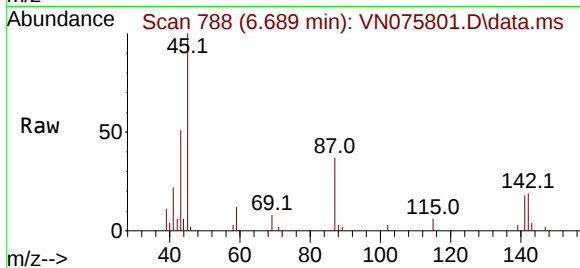




#22
Diisopropyl ether
Concen: 2.838 ug/l
RT: 6.689 min Scan# 71
Delta R.T. 0.006 min
Lab File: VN075801.D
Acq: 15 Dec 2022 05:39

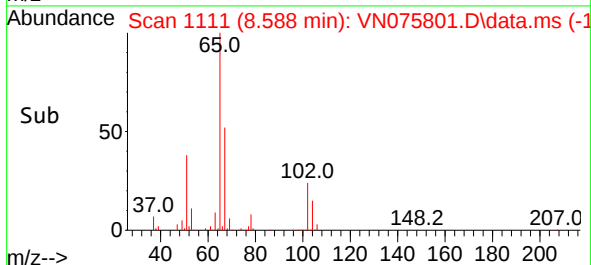
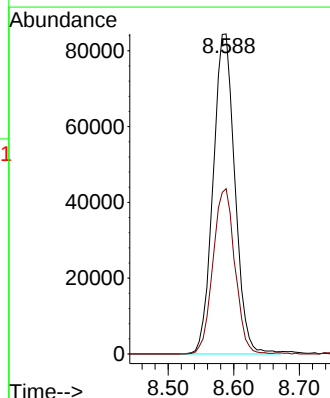
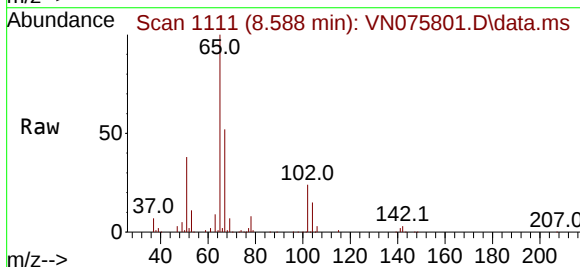
Instrument :
MSVOA_N
ClientSampleId :
DUP120722-1

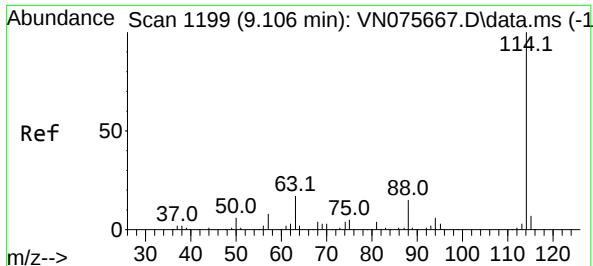
Tgt Ion:	45	Resp:	28171
Ion	Ratio	Lower	Upper
45	100		
43	51.2	44.2	66.4
87	37.4	28.3	42.5
59	11.9	11.1	16.7



#33
1,2-Dichloroethane-d4
Concen: 45.426 ug/l
RT: 8.588 min Scan# 1111
Delta R.T. 0.006 min
Lab File: VN075801.D
Acq: 15 Dec 2022 05:39

Tgt Ion:	65	Resp:	194908
Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. -0.000 min

Lab File: VN075801.D

Acq: 15 Dec 2022 05:39

Instrument :

MSVOA_N

ClientSampleId :

DUP120722-1

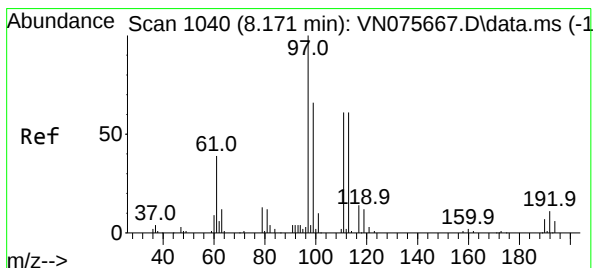
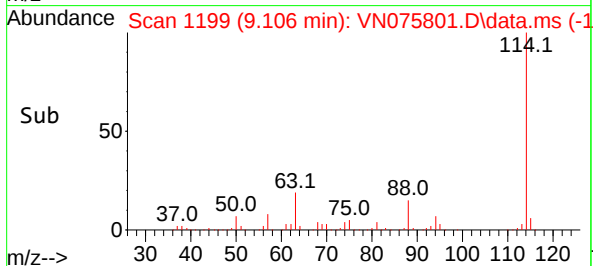
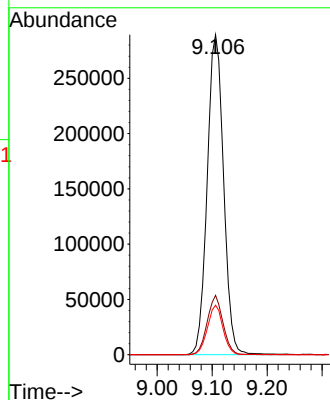
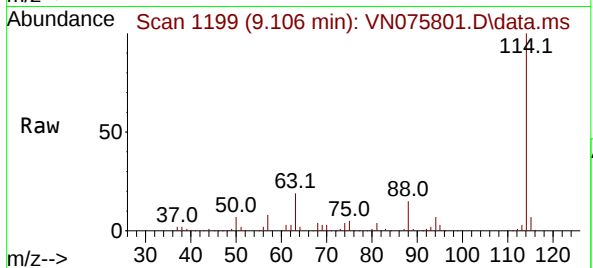
Tgt Ion:114 Resp: 598749

Ion Ratio Lower Upper

114 100

63 18.5 0.0 34.4

88 15.4 0.0 28.8



#35

Dibromofluoromethane

Concen: 48.508 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VN075801.D

Acq: 15 Dec 2022 05:39

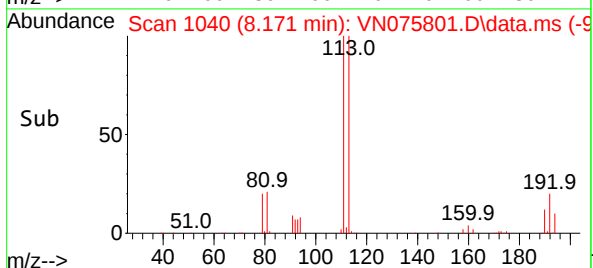
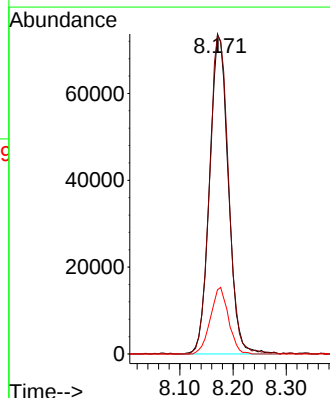
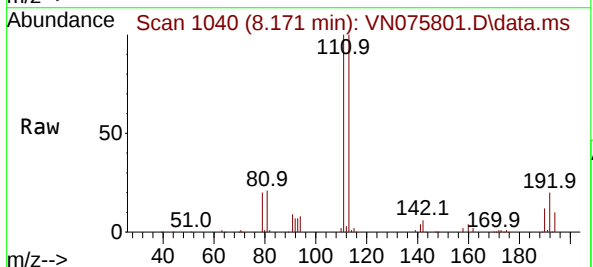
Tgt Ion:113 Resp: 179867

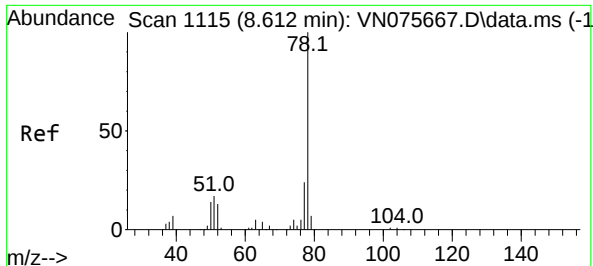
Ion Ratio Lower Upper

113 100

111 101.2 83.4 125.2

192 20.0 16.1 24.1





#40

Benzene

Concen: 3.492 ug/l

RT: 8.612 min Scan# 1115

Delta R.T. -0.000 min

Lab File: VN075801.D

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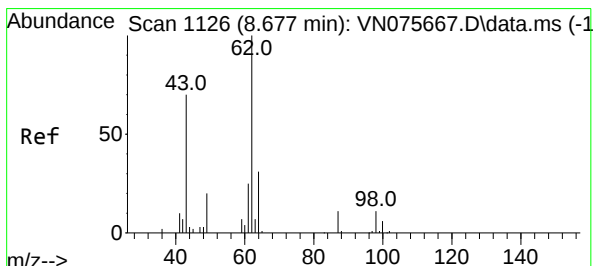
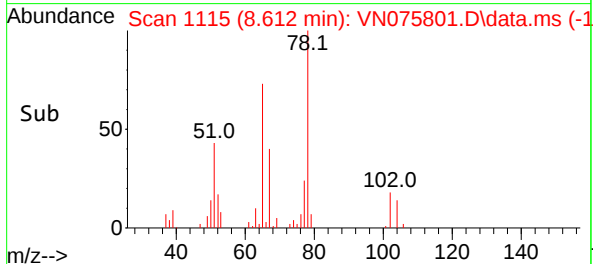
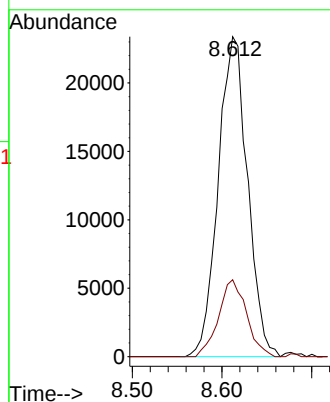
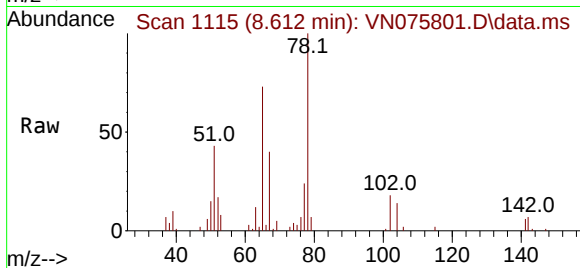
DUP120722-1

Tgt Ion: 78 Resp: 53072

Ion Ratio Lower Upper

78 100

77 24.1 18.5 27.7



#42

1,2-Dichloroethane

Concen: 4.422 ug/l

RT: 8.677 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN075801.D

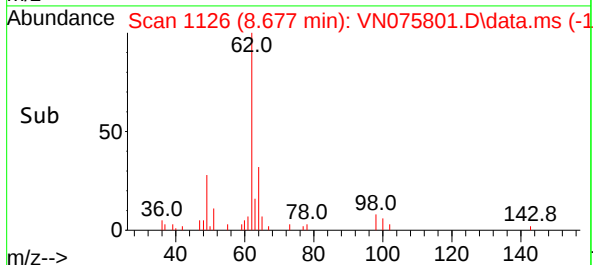
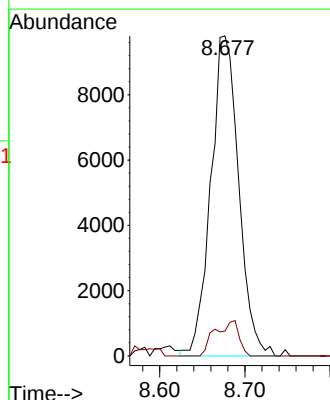
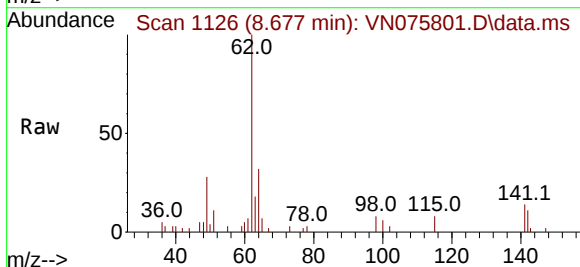
Acq: 15 Dec 2022 05:39

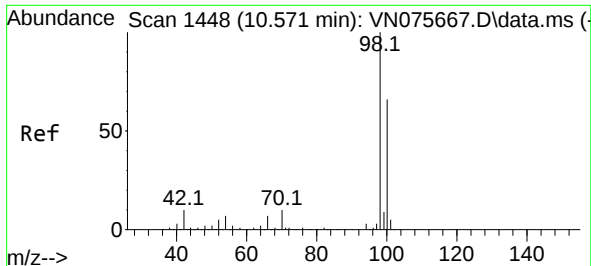
Tgt Ion: 62 Resp: 22342

Ion Ratio Lower Upper

62 100

98 9.4 0.0 20.8

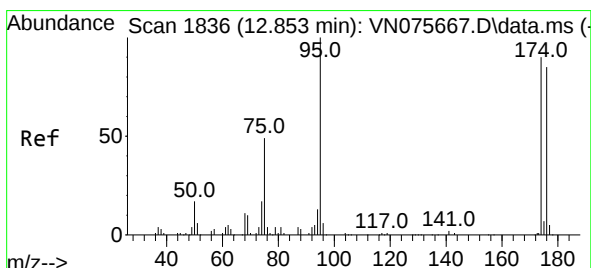
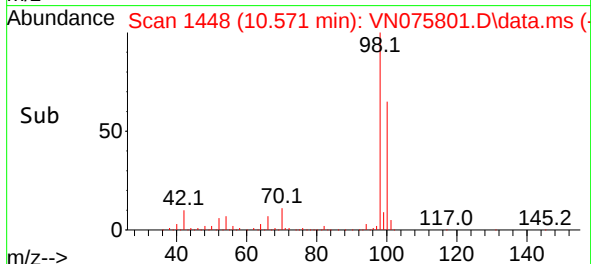
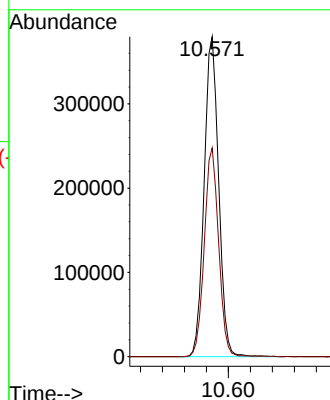
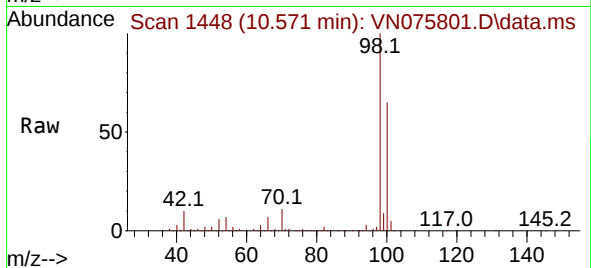




#50
Toluene-d8
Concen: 50.154 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN075801.D
Acq: 15 Dec 2022 05:39

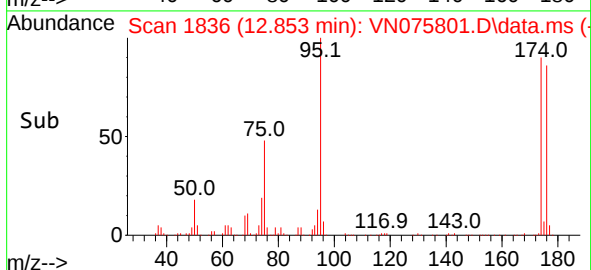
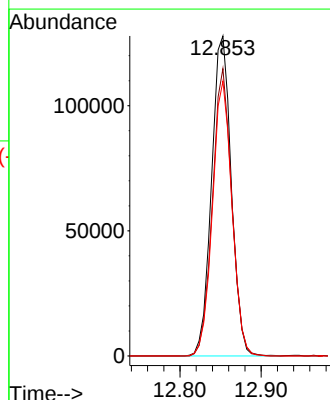
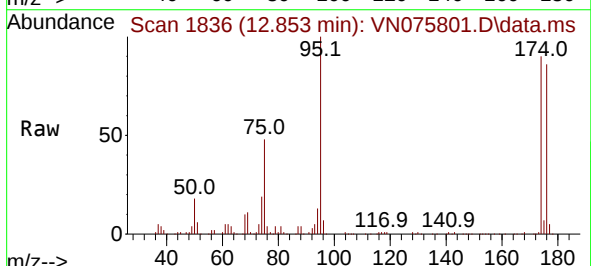
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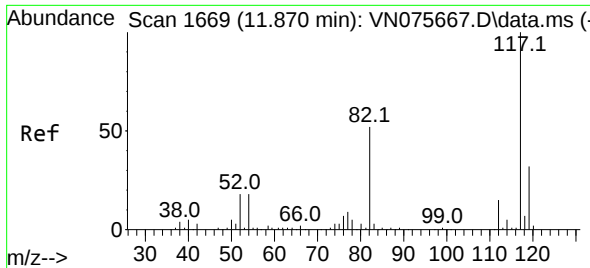
Tgt Ion: 98 Resp: 695318
Ion Ratio Lower Upper
98 100
100 64.6 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 46.962 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN075801.D
Acq: 15 Dec 2022 05:39

Tgt Ion: 95 Resp: 215642
Ion Ratio Lower Upper
95 100
174 88.1 0.0 171.6
176 85.0 0.0 169.2

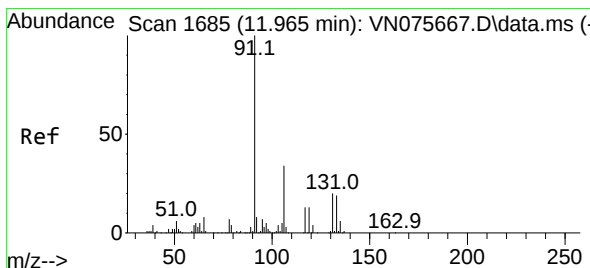
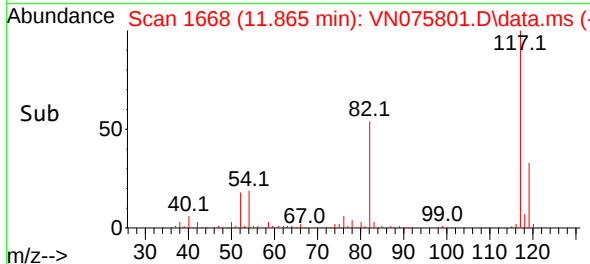
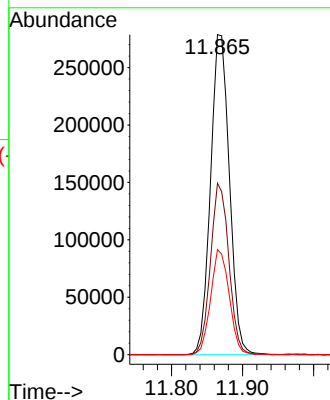
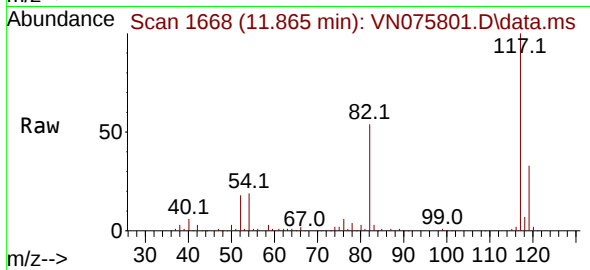




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1669
Delta R.T. -0.000 min
Lab File: VN075801.D
Acq: 15 Dec 2022 05:39

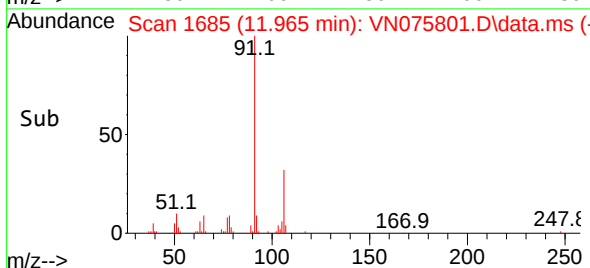
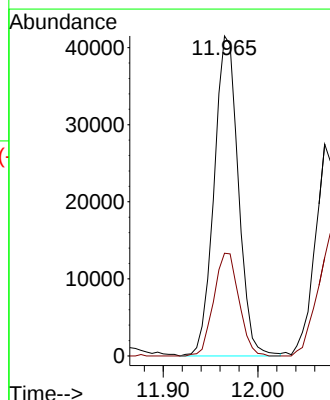
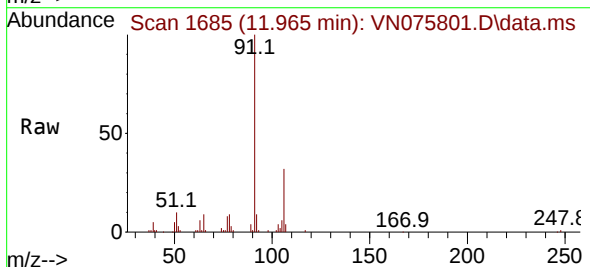
Instrument :
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DUP120722-1

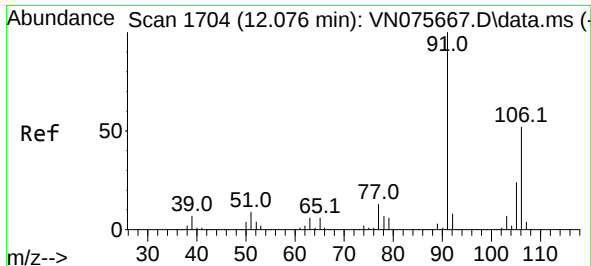
Tgt Ion:117 Resp: 514482
Ion Ratio Lower Upper
117 100
82 53.6 41.3 61.9
119 32.8 24.6 37.0



#67
Ethyl Benzene
Concen: 4.147 ug/l
RT: 11.965 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN075801.D
Acq: 15 Dec 2022 05:39

Tgt Ion: 91 Resp: 73914
Ion Ratio Lower Upper
91 100
106 32.1 25.7 38.5

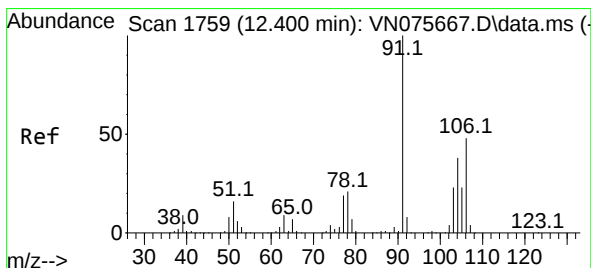
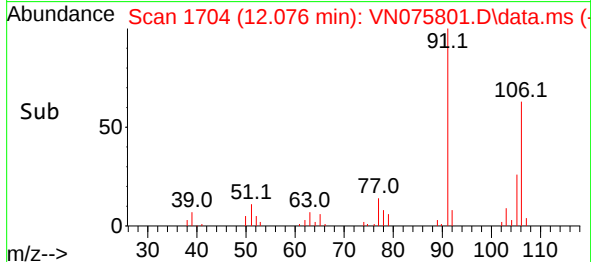
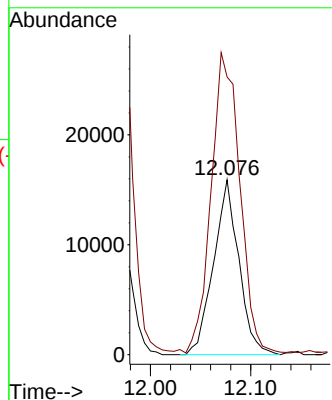
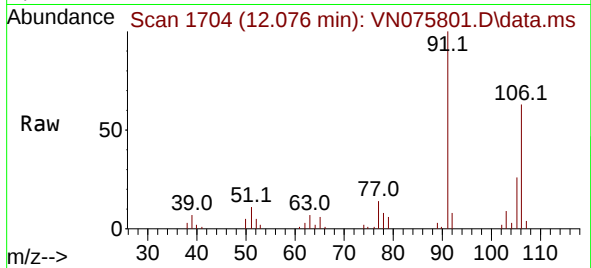




#68
m/p-Xylenes
Concen: 3.953 ug/l
RT: 12.076 min Scan# 1704
Delta R.T. -0.000 min
Lab File: VN075801.D
Acq: 15 Dec 2022 05:39

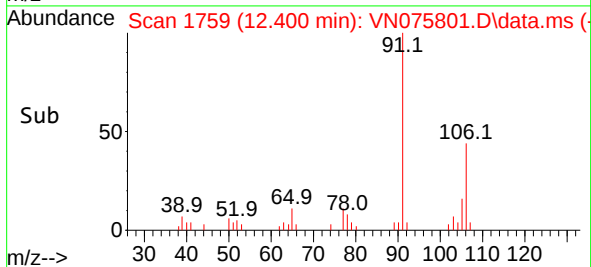
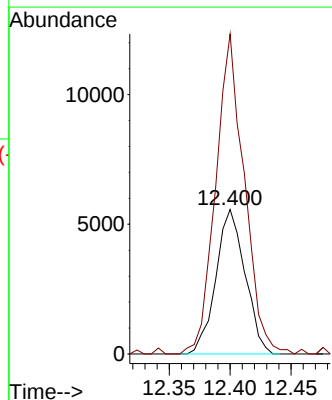
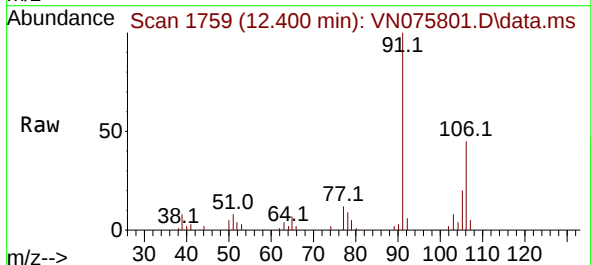
Instrument :
MSVOA_N
ClientSampleId :
DUP120722-1

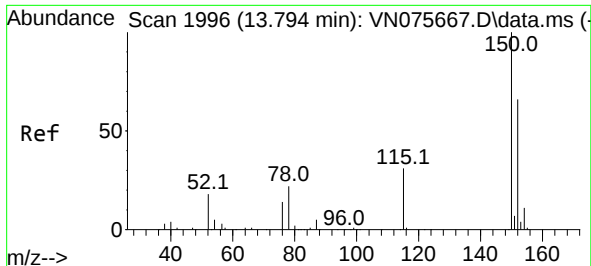
Tgt Ion:106 Resp: 27887
Ion Ratio Lower Upper
106 100
91 193.6 156.6 235.0



#69
o-Xylene
Concen: 1.333 ug/l
RT: 12.400 min Scan# 1759
Delta R.T. -0.000 min
Lab File: VN075801.D
Acq: 15 Dec 2022 05:39

Tgt Ion:106 Resp: 9304
Ion Ratio Lower Upper
106 100
91 217.7 103.8 311.6

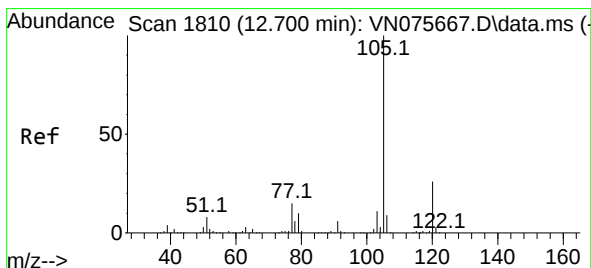
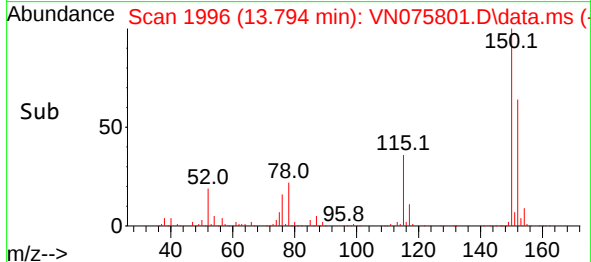
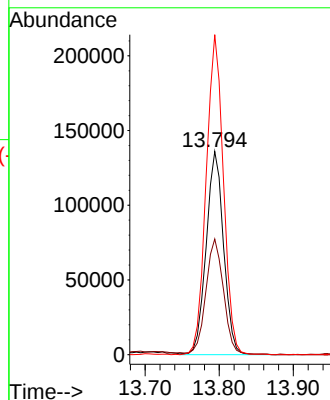
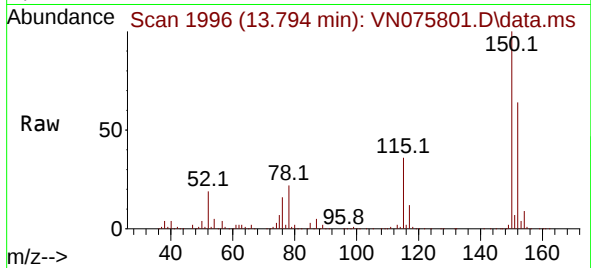




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075801.D
Acq: 15 Dec 2022 05:39

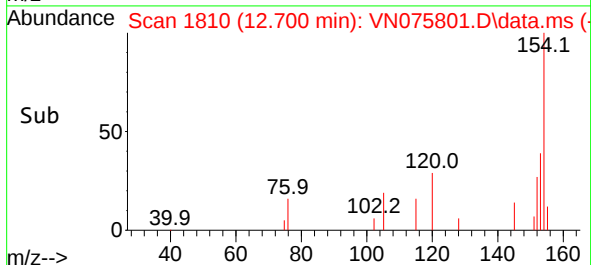
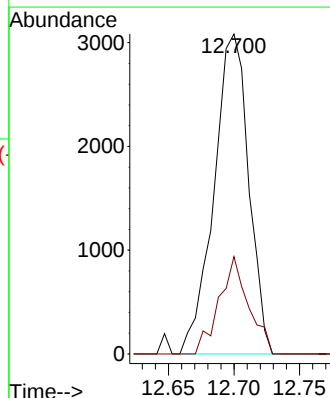
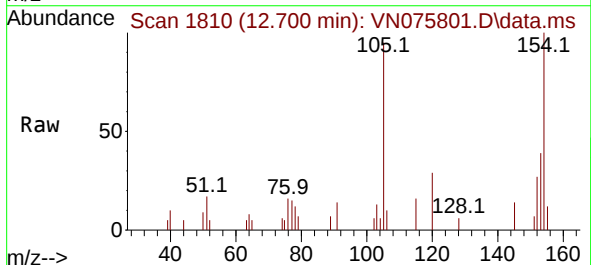
Instrument :
MSVOA_N
ClientSampleId :
DUP120722-1

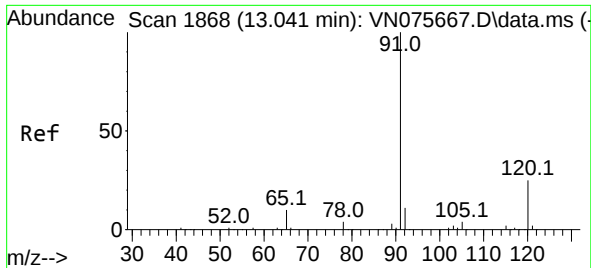
Tgt Ion:152 Resp: 221825
Ion Ratio Lower Upper
152 100
115 58.1 29.1 87.4
150 155.8 0.0 347.0



#73
Isopropylbenzene
Concen: 0.354 ug/l
RT: 12.700 min Scan# 1810
Delta R.T. -0.000 min
Lab File: VN075801.D
Acq: 15 Dec 2022 05:39

Tgt Ion:105 Resp: 5680
Ion Ratio Lower Upper
105 100
120 25.7 13.4 40.2

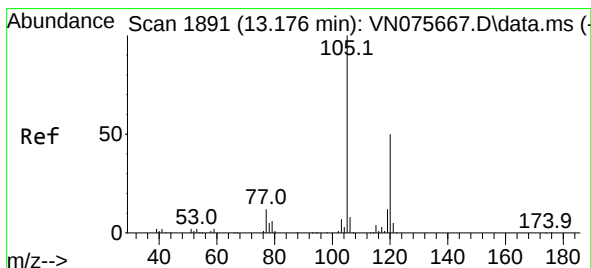
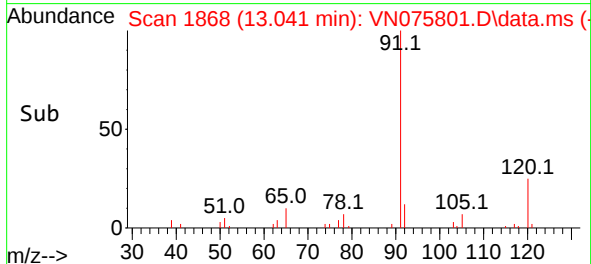
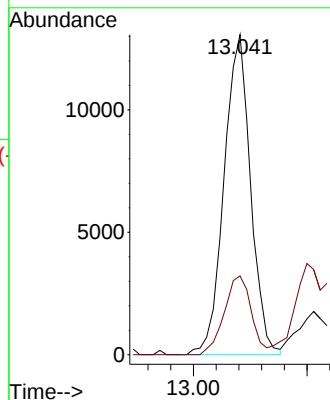
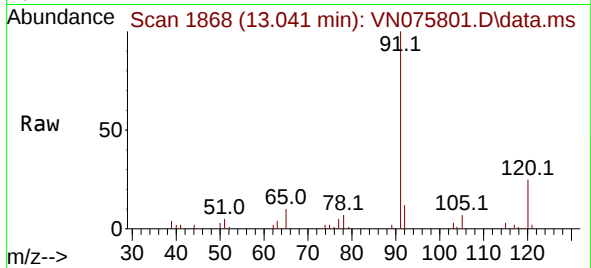




#78
n-propylbenzene
Concen: 1.198 ug/l
RT: 13.041 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VN075801.D
Acq: 15 Dec 2022 05:39

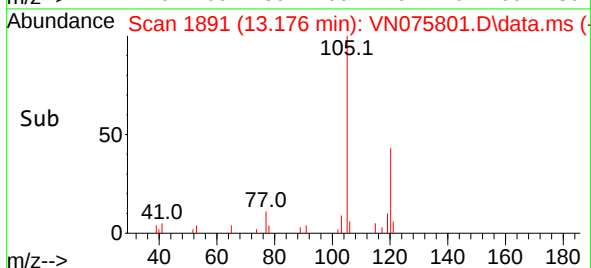
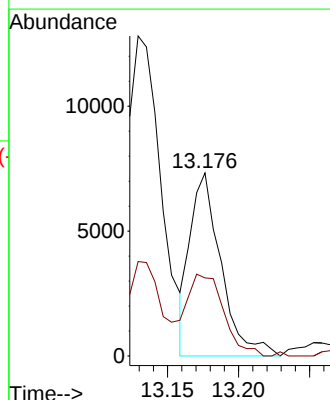
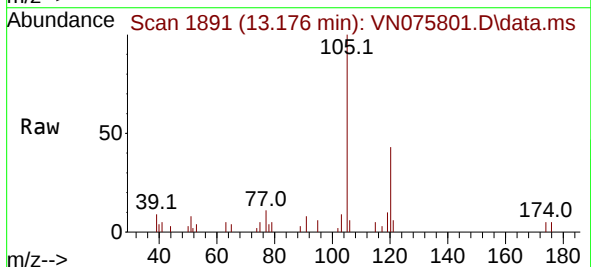
Instrument :
MSVOA_N
ClientSampleId :
DUP120722-1

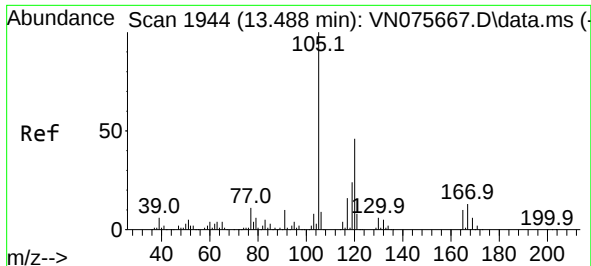
Tgt Ion: 91 Resp: 21182
Ion Ratio Lower Upper
91 100
120 25.0 12.0 36.1



#80
1,3,5-Trimethylbenzene
Concen: 0.825 ug/l
RT: 13.176 min Scan# 1891
Delta R.T. -0.000 min
Lab File: VN075801.D
Acq: 15 Dec 2022 05:39

Tgt Ion: 105 Resp: 11068
Ion Ratio Lower Upper
105 100
120 55.4 24.7 74.1

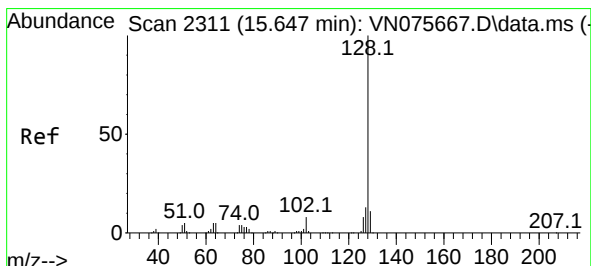
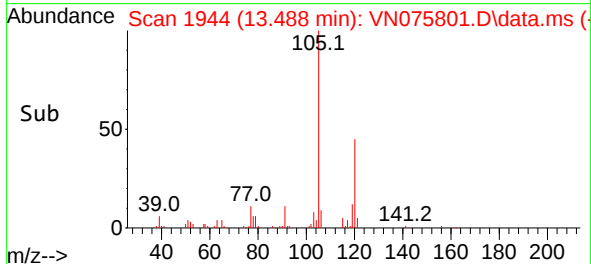
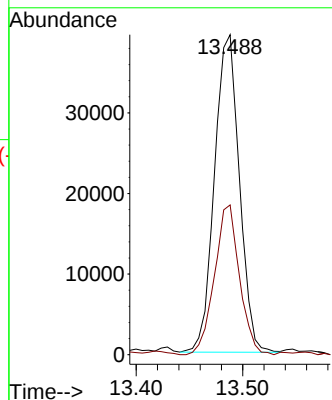
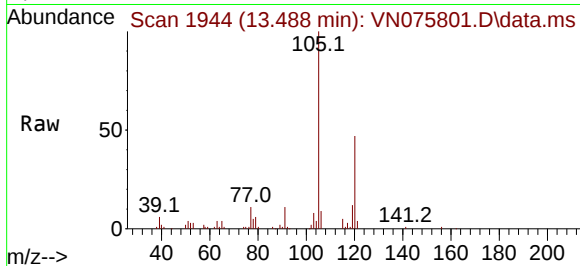




#84
1,2,4-Trimethylbenzene
Concen: 4.797 ug/l
RT: 13.488 min Scan# 1944
Delta R.T. 0.006 min
Lab File: VN075801.D
Acq: 15 Dec 2022 05:39

Instrument :
MSVOA_N
ClientSampleId :
DUP120722-1

Tgt Ion:105 Resp: 63845
Ion Ratio Lower Upper
105 100
120 47.3 23.3 69.8



#95
Naphthalene
Concen: 16.778 ug/l
RT: 15.647 min Scan# 2311
Delta R.T. 0.006 min
Lab File: VN075801.D
Acq: 15 Dec 2022 05:39

Tgt Ion:128 Resp: 184295
Ion Ratio Lower Upper
128 100
127 12.9 10.4 15.6
129 11.1 8.7 13.1

