

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120622\
 Data File : VN075588.D
 Acq On : 06 Dec 2022 16:38
 Operator : JC\MD
 Sample : N5876-02DL 50X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LIN-VRG-12-02DL

Quant Time: Dec 07 00:16:31 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112122W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 23 00:18:03 2022
 Response via : Initial Calibration

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

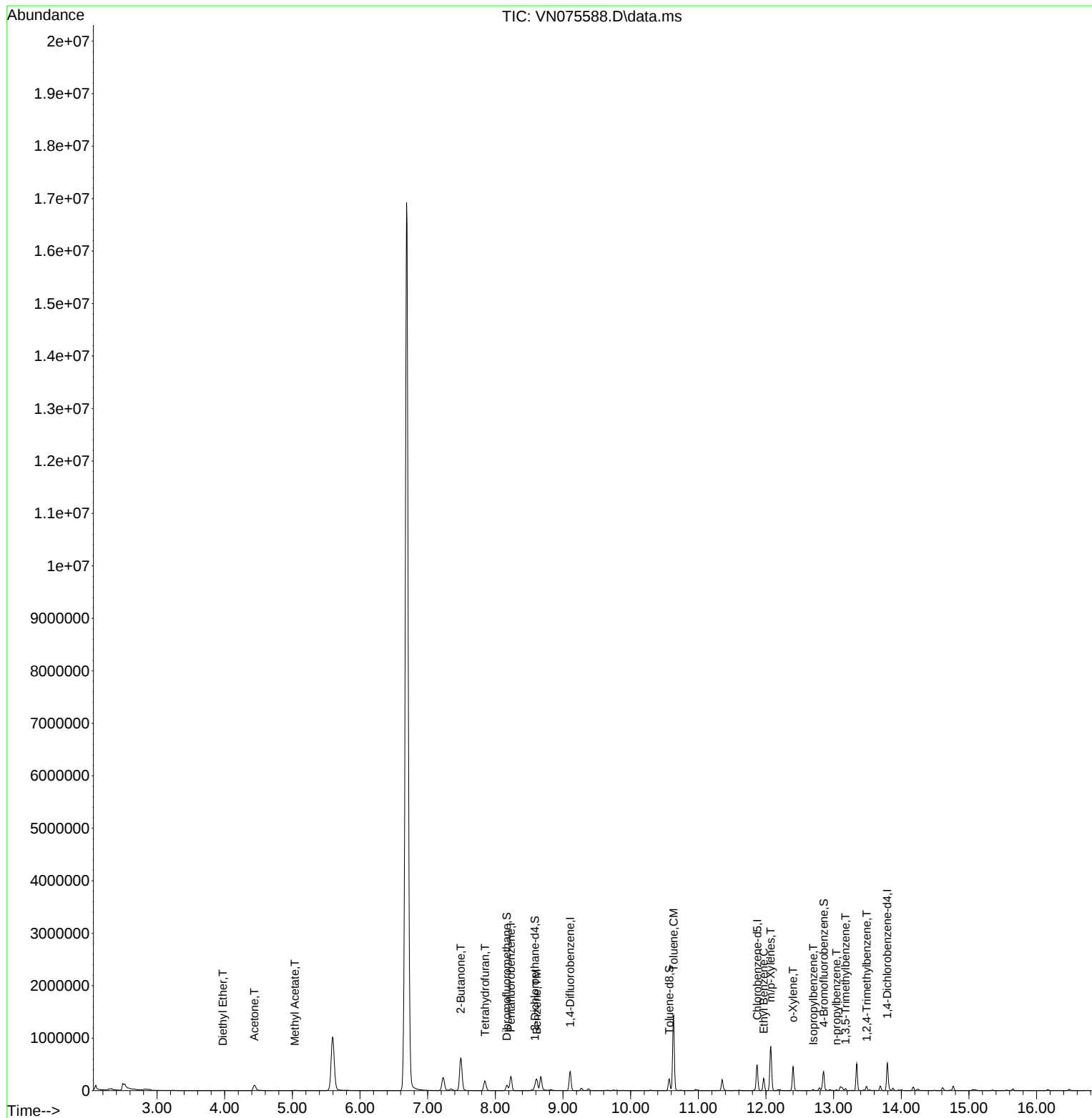
Internal Standards						
1) Pentafluorobenzene	8.230	168	215914	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	341724	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	308851	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	145501	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	57648	49.740	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 99.480%			
35) Dibromofluoromethane	8.171	113	74622	55.588	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 111.180%			
50) Toluene-d8	10.571	98	159292	52.685	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.380%			
62) 4-Bromofluorobenzene	12.853	95	118932	53.293	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 106.580%			
Target Compounds						Qvalue
8) Diethyl Ether	3.971	74	4056	3.129	ug/l	87
16) Acetone	4.436	43	194867	180.256	ug/l	97
18) Methyl Acetate	5.036	43	16066	4.722	ug/l	100
25) 2-Butanone	7.488	43	966696	640.495	ug/l	100
29) Tetrahydrofuran	7.847	42	138363	150.713	ug/l	97
40) Benzene	8.612	78	226995	25.326	ug/l	98
52) Toluene	10.635	92	669406	115.897	ug/l	100
67) Ethyl Benzene	11.965	91	176466	16.217	ug/l	98
68) m/p-Xylenes	12.070	106	288889	65.375	ug/l	99
69) o-Xylene	12.400	106	134446	30.622	ug/l	99
73) Isopropylbenzene	12.700	105	15399	1.449	ug/l	96
78) n-propylbenzene	13.041	91	15149	1.277	ug/l	95
80) 1,3,5-Trimethylbenzene	13.176	105	22560	2.554	ug/l	99
84) 1,2,4-Trimethylbenzene	13.488	105	48121	5.432	ug/l	99

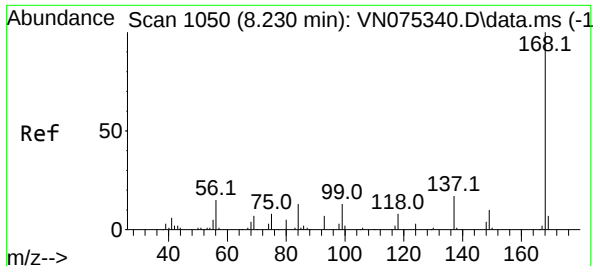
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112122W.M
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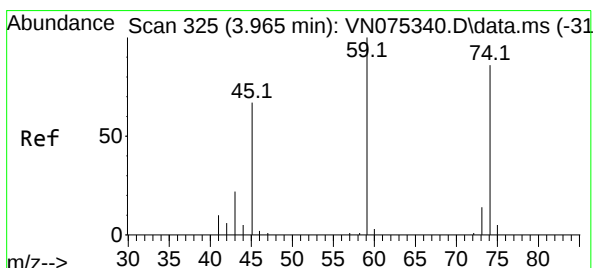
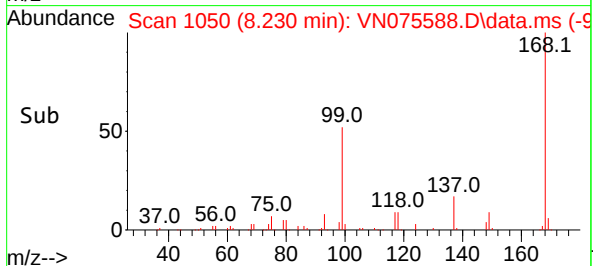
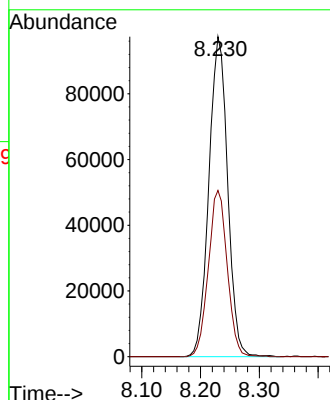
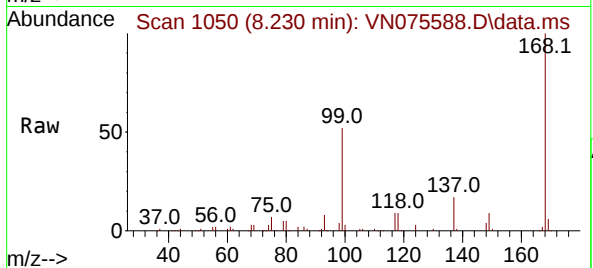




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN075588.D
Acq: 06 Dec 2022 16:38

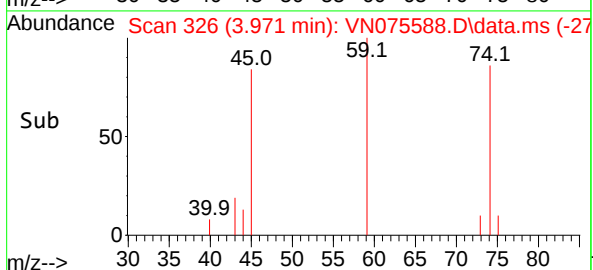
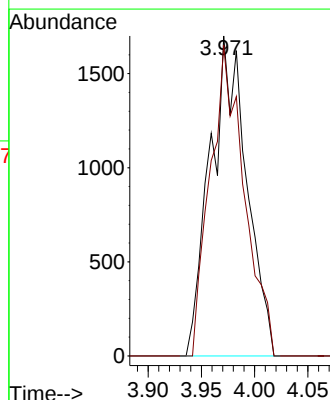
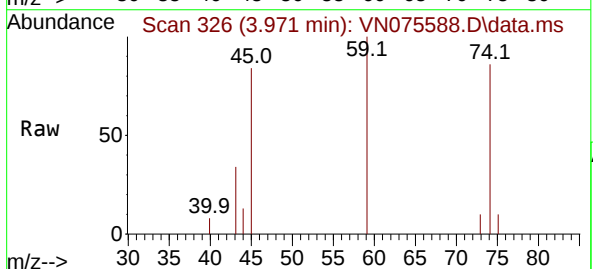
Instrument :
MSVOA_N
ClientSampleId :
LIN-VRG-12-02DL

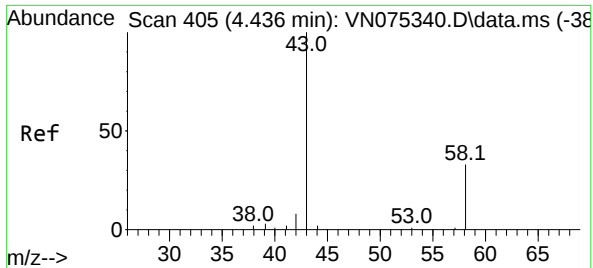
Tgt Ion:168 Resp: 215914
Ion Ratio Lower Upper
168 100
99 52.0 51.6 77.4



#8
Diethyl Ether
Concen: 3.129 ug/l
RT: 3.971 min Scan# 326
Delta R.T. 0.006 min
Lab File: VN075588.D
Acq: 06 Dec 2022 16:38

Tgt Ion: 74 Resp: 4056
Ion Ratio Lower Upper
74 100
45 90.3 39.3 117.9





#16

Acetone

Concen: 180.256 ug/l

RT: 4.436 min Scan# 405

Delta R.T. -0.000 min

Lab File: VN075588.D

Acq: 06 Dec 2022 16:38

Instrument :

MSVOA_N

ClientSampleId :

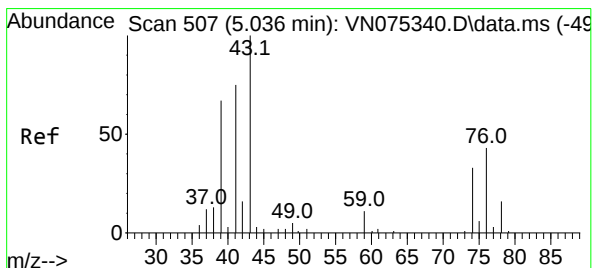
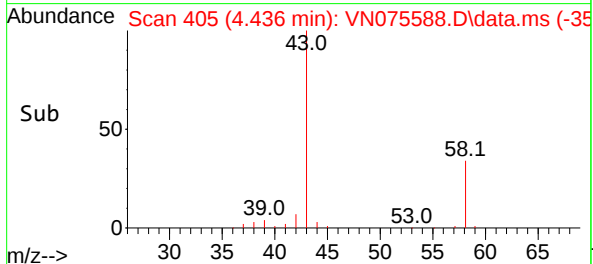
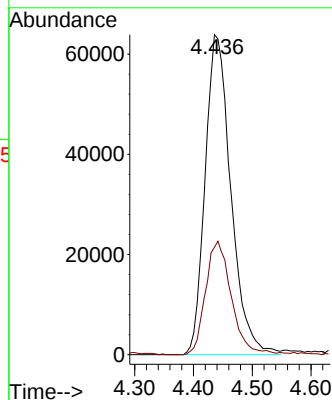
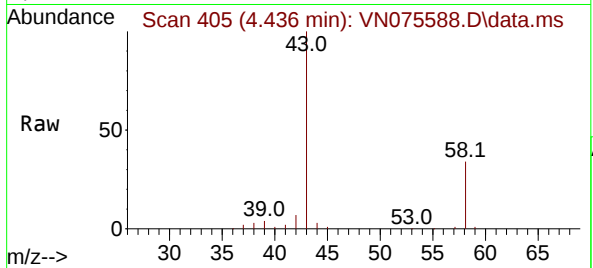
LIN-VRG-12-02DL

Tgt Ion: 43 Resp: 194867

Ion Ratio Lower Upper

43 100

58 33.6 25.5 38.3



#18

Methyl Acetate

Concen: 4.722 ug/l

RT: 5.036 min Scan# 507

Delta R.T. -0.000 min

Lab File: VN075588.D

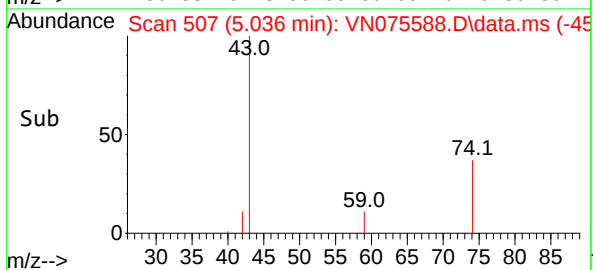
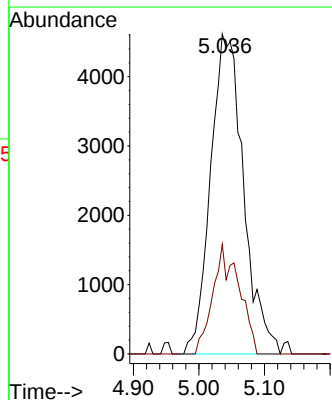
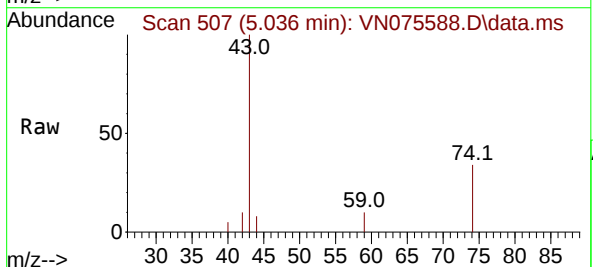
Acq: 06 Dec 2022 16:38

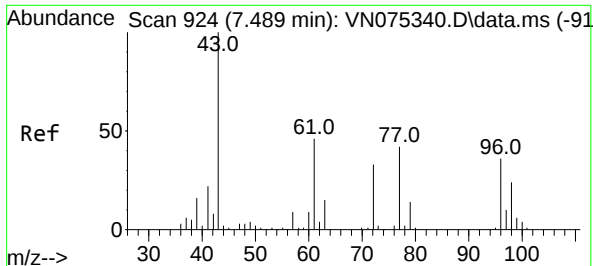
Tgt Ion: 43 Resp: 16066

Ion Ratio Lower Upper

43 100

74 27.4 22.0 33.0





#25

2-Butanone

Concen: 640.495 ug/l

RT: 7.488 min Scan# 91

Delta R.T. -0.001 min

Lab File: VN075588.D

Acq: 06 Dec 2022 16:38

Instrument :

MSVOA_N

ClientSampleId :

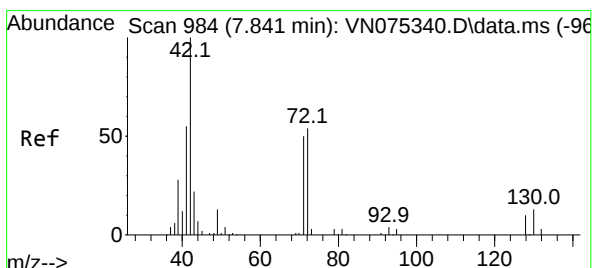
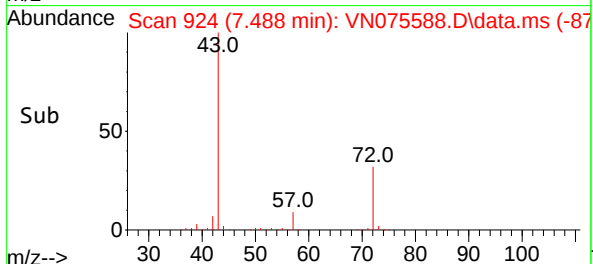
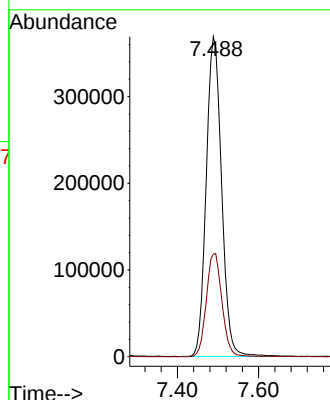
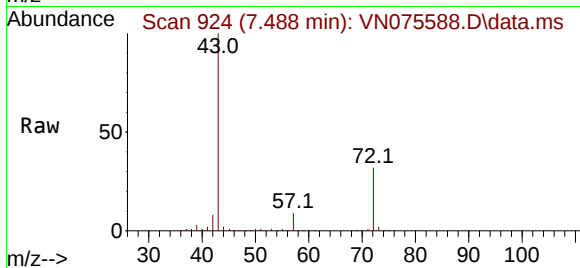
LIN-VRG-12-02DL

Tgt Ion: 43 Resp: 966696

Ion Ratio Lower Upper

43 100

72 32.1 25.5 38.3



#29

Tetrahydrofuran

Concen: 150.713 ug/l

RT: 7.847 min Scan# 985

Delta R.T. 0.006 min

Lab File: VN075588.D

Acq: 06 Dec 2022 16:38

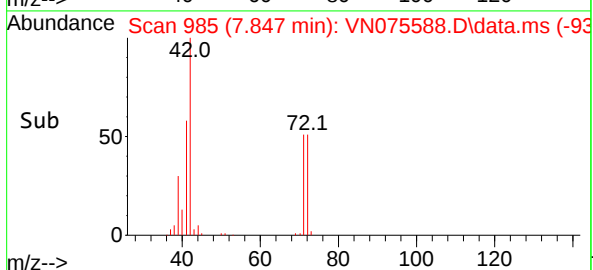
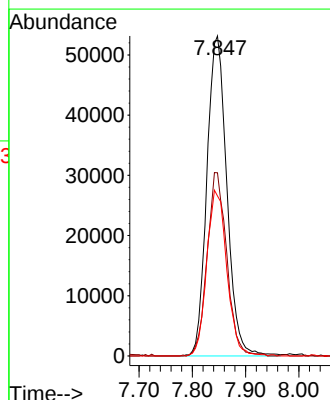
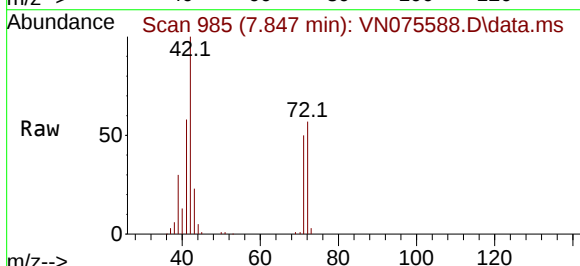
Tgt Ion: 42 Resp: 138363

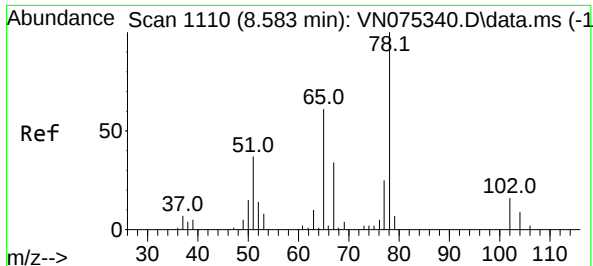
Ion Ratio Lower Upper

42 100

72 56.4 43.0 64.6

71 52.1 39.9 59.9





#33

1,2-Dichloroethane-d4

Concen: 49.740 ug/l

RT: 8.582 min Scan# 1110

Delta R.T. -0.001 min

Lab File: VN075588.D

Acq: 06 Dec 2022 16:38

Instrument :

MSVOA_N

ClientSampleId :

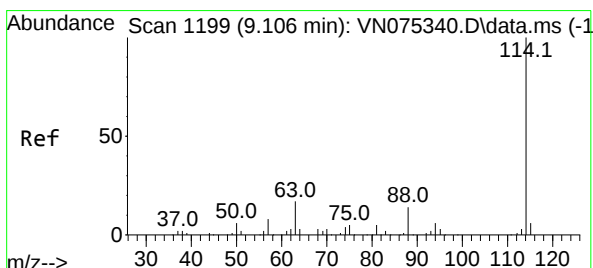
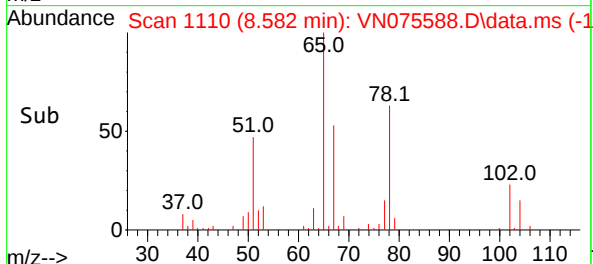
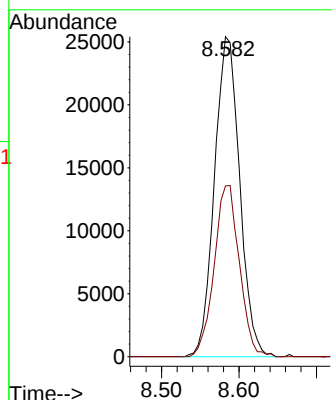
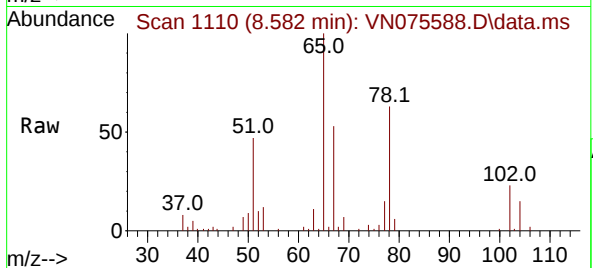
LIN-VRG-12-02DL

Tgt Ion: 65 Resp: 57648

Ion Ratio Lower Upper

65 100

67 53.4 0.0 102.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. -0.000 min

Lab File: VN075588.D

Acq: 06 Dec 2022 16:38

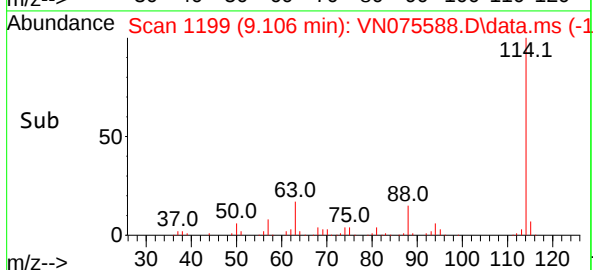
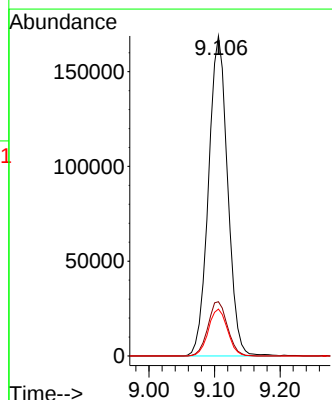
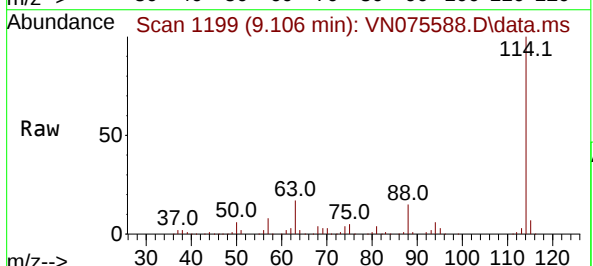
Tgt Ion: 114 Resp: 341724

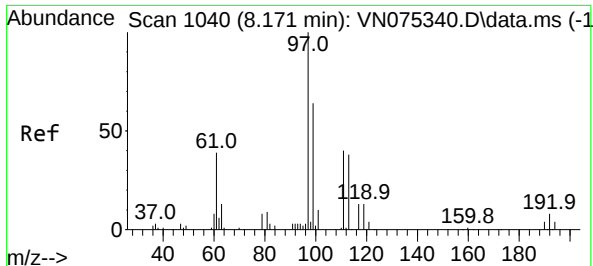
Ion Ratio Lower Upper

114 100

63 17.0 0.0 39.6

88 14.7 0.0 29.0





#35

Dibromofluoromethane

Concen: 55.588 ug/l

RT: 8.171 min Scan# 1115

Delta R.T. -0.000 min

Lab File: VN075588.D

Acq: 06 Dec 2022 16:38

Instrument :

MSVOA_N

ClientSampleId :

LIN-VRG-12-02DL

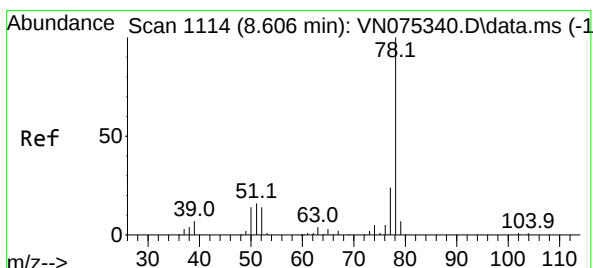
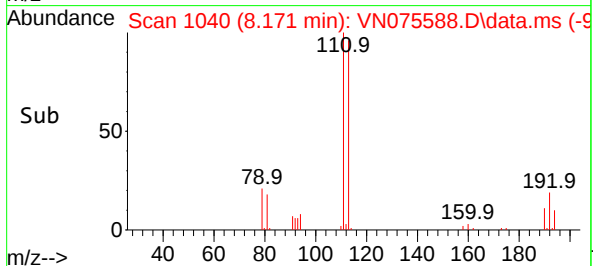
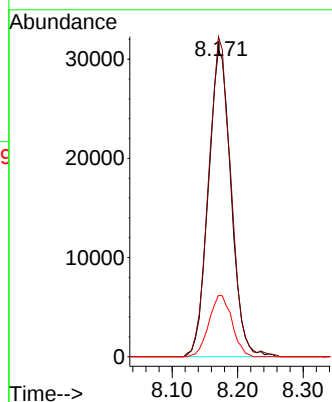
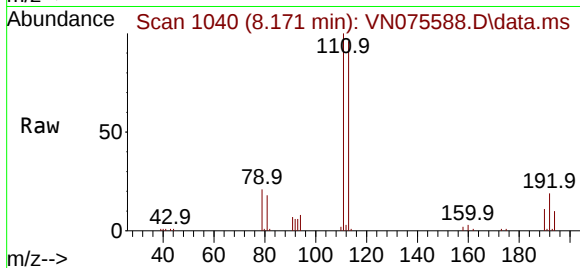
Tgt Ion:113 Resp: 74622

Ion Ratio Lower Upper

113 100

111 101.4 80.5 120.7

192 20.2 13.2 19.8#



#40

Benzene

Concen: 25.326 ug/l

RT: 8.612 min Scan# 1115

Delta R.T. 0.006 min

Lab File: VN075588.D

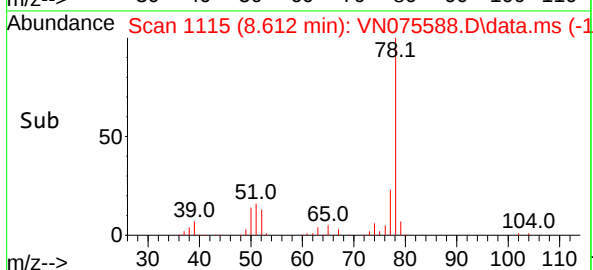
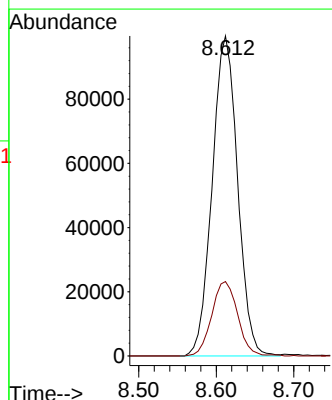
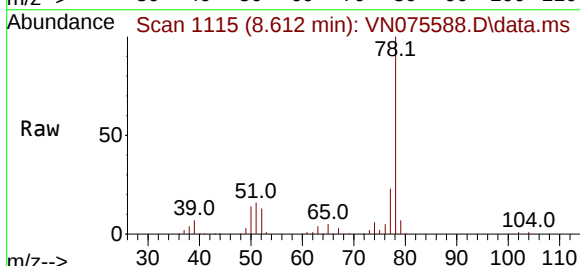
Acq: 06 Dec 2022 16:38

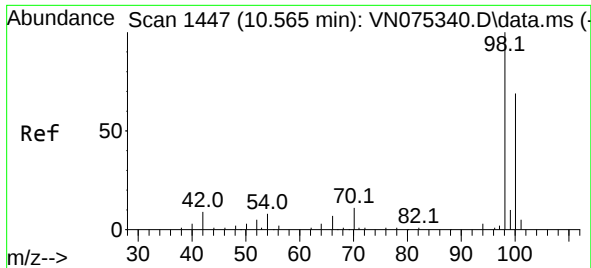
Tgt Ion: 78 Resp: 226995

Ion Ratio Lower Upper

78 100

77 23.2 19.4 29.0

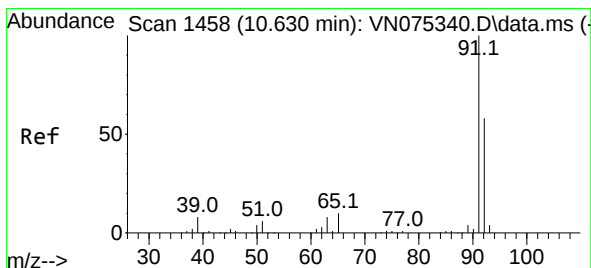
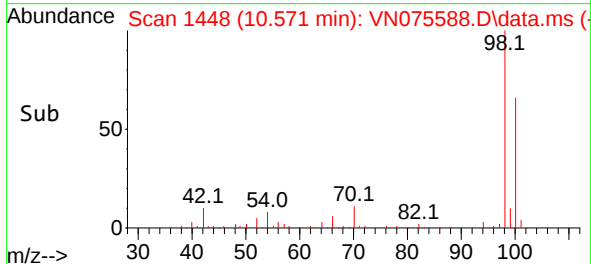
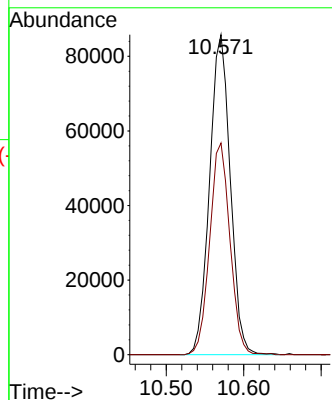
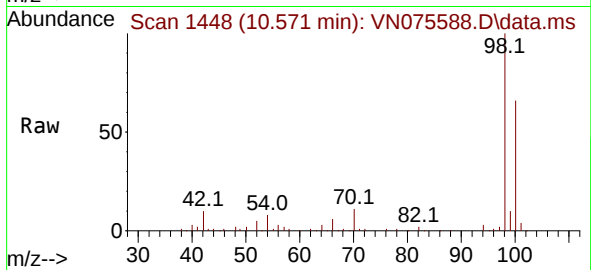




#50
Toluene-d8
Concen: 52.685 ug/l
RT: 10.571 min Scan# 1447
Delta R.T. 0.006 min
Lab File: VN075588.D
Acq: 06 Dec 2022 16:38

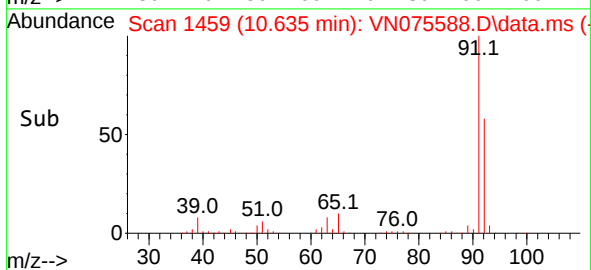
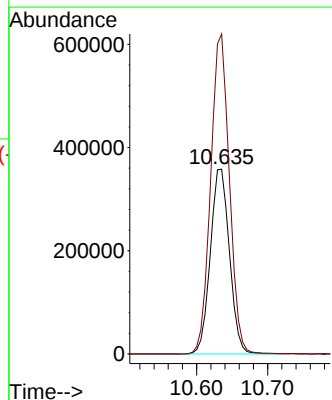
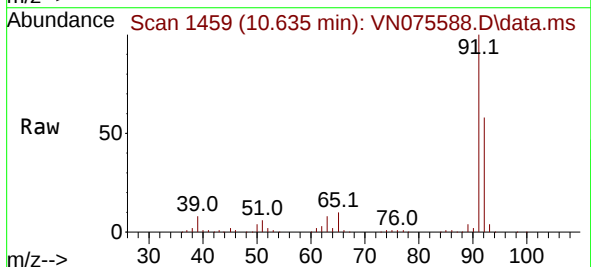
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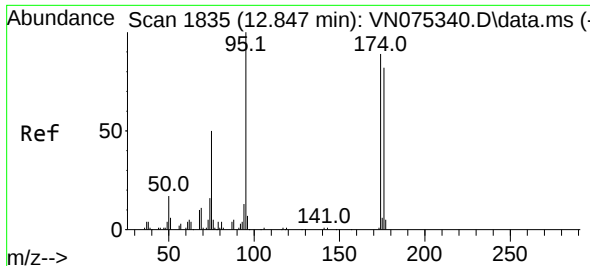
Tgt Ion: 98 Resp: 159292
Ion Ratio Lower Upper
98 100
100 64.6 53.0 79.6



#52
Toluene
Concen: 115.897 ug/l
RT: 10.635 min Scan# 1459
Delta R.T. 0.005 min
Lab File: VN075588.D
Acq: 06 Dec 2022 16:38

Tgt Ion: 92 Resp: 669406
Ion Ratio Lower Upper
92 100
91 169.7 135.4 203.2

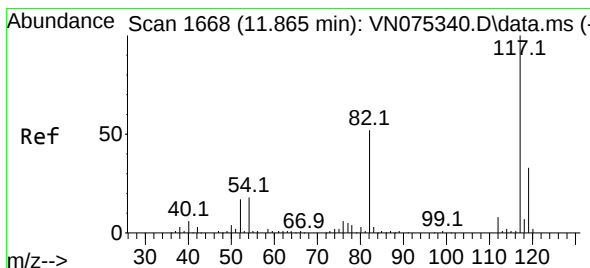
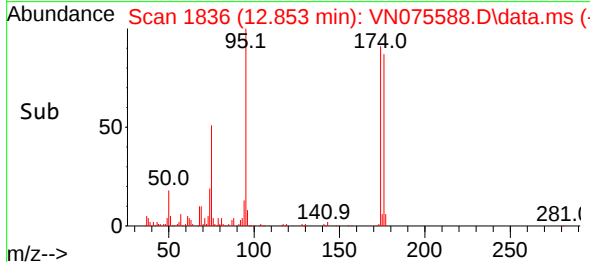
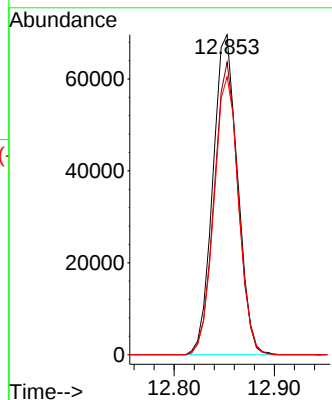
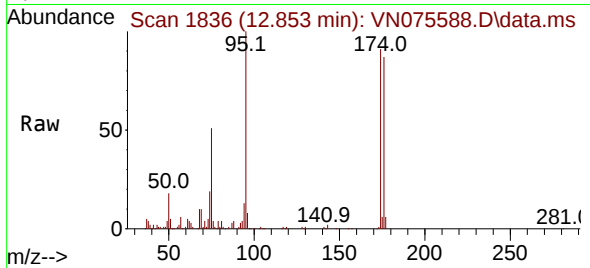




#62
4-Bromofluorobenzene
Concen: 53.293 ug/l
RT: 12.853 min Scan# 118932
Delta R.T. 0.006 min
Lab File: VN075588.D
Acq: 06 Dec 2022 16:38

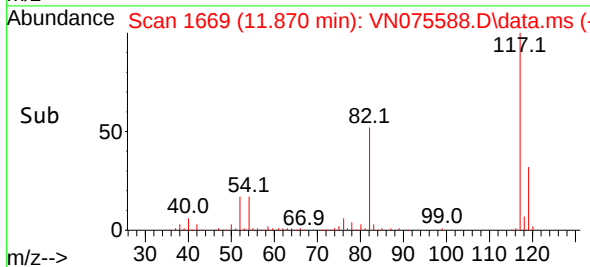
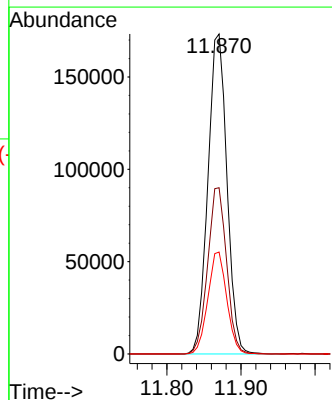
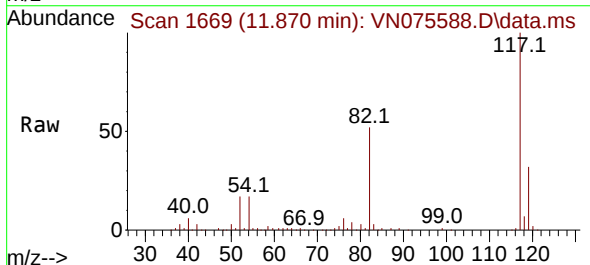
Instrument :
MSVOA_N
ClientSampleId :
LIN-VRG-12-02DL

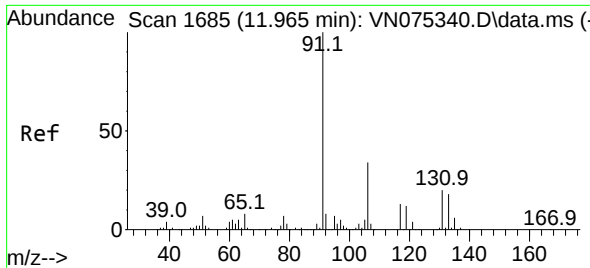
Tgt Ion: 95 Resp: 118932
Ion Ratio Lower Upper
95 100
174 89.0 0.0 147.4
176 86.5 0.0 142.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1669
Delta R.T. 0.005 min
Lab File: VN075588.D
Acq: 06 Dec 2022 16:38

Tgt Ion: 117 Resp: 308851
Ion Ratio Lower Upper
117 100
82 51.9 43.1 64.7
119 31.9 25.5 38.3

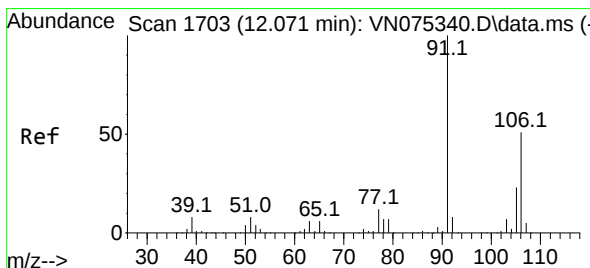
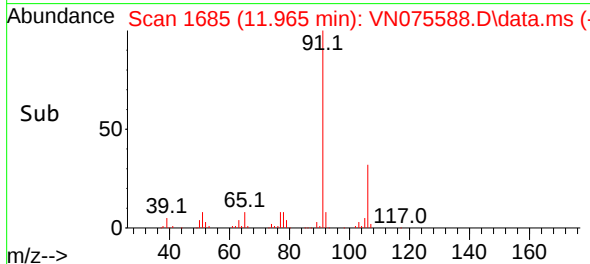
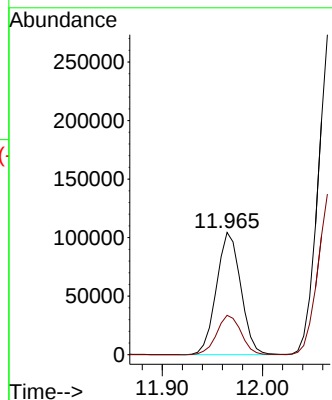
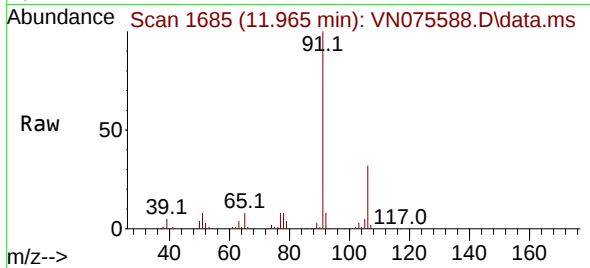




#67
Ethyl Benzene
Concen: 16.217 ug/l
RT: 11.965 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN075588.D
Acq: 06 Dec 2022 16:38

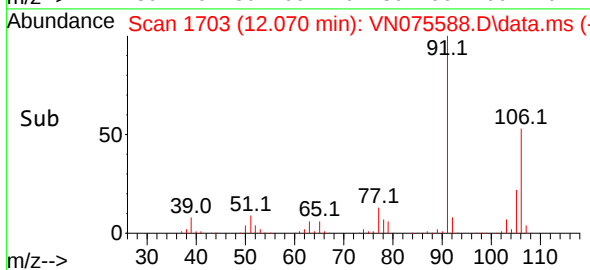
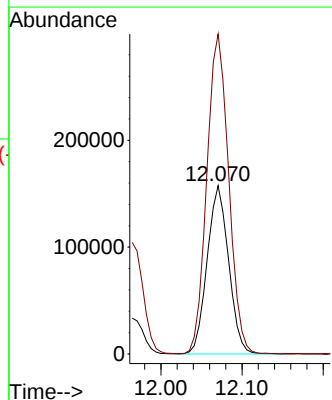
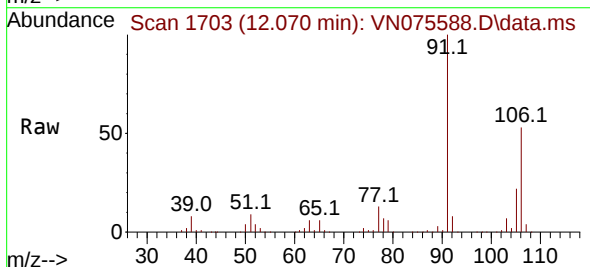
Instrument :
MSVOA_N
ClientSampleId :
LIN-VRG-12-02DL

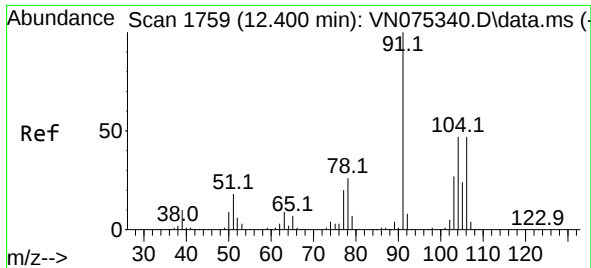
Tgt Ion: 91 Resp: 176466
Ion Ratio Lower Upper
91 100
106 32.1 24.9 37.3



#68
m/p-Xylenes
Concen: 65.375 ug/l
RT: 12.070 min Scan# 1703
Delta R.T. -0.001 min
Lab File: VN075588.D
Acq: 06 Dec 2022 16:38

Tgt Ion:106 Resp: 288889
Ion Ratio Lower Upper
106 100
91 193.5 156.0 234.0

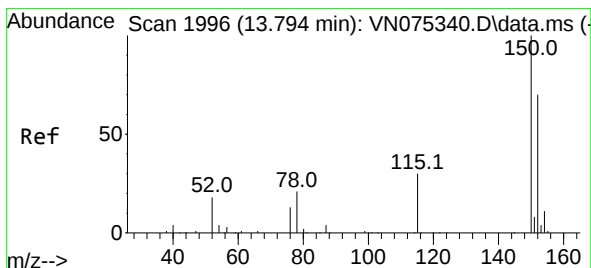
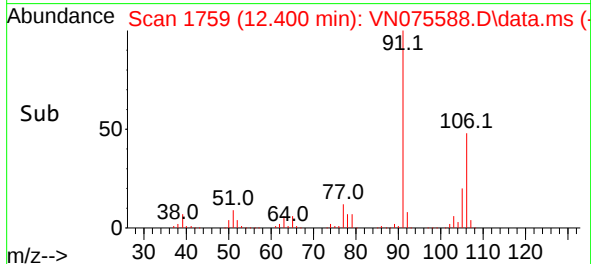
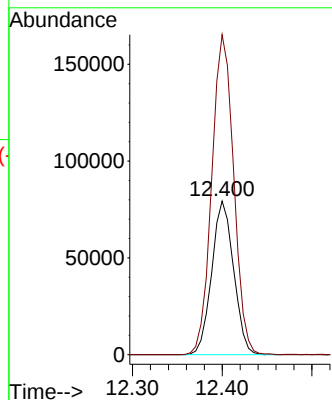
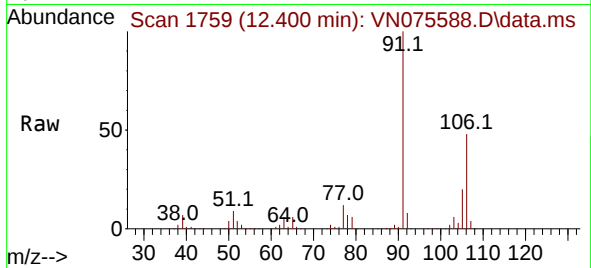




#69
o-Xylene
Concen: 30.622 ug/l
RT: 12.400 min Scan# 1759
Delta R.T. -0.000 min
Lab File: VN075588.D
Acq: 06 Dec 2022 16:38

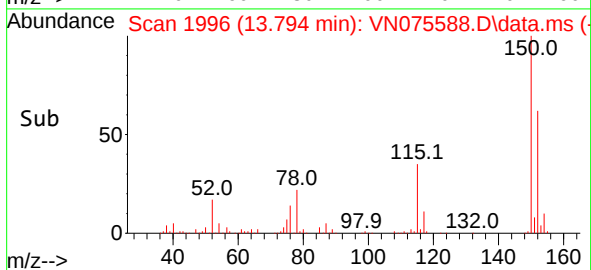
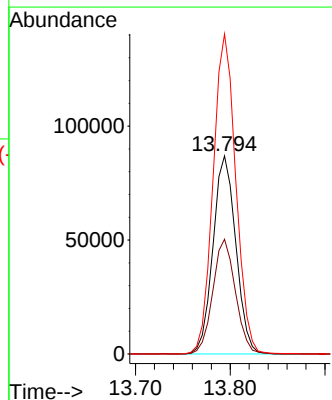
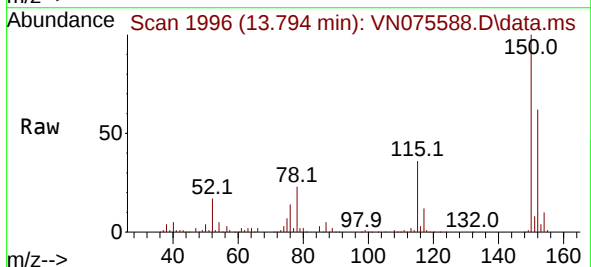
Instrument :
MSVOA_N
ClientSampleId :
LIN-VRG-12-02DL

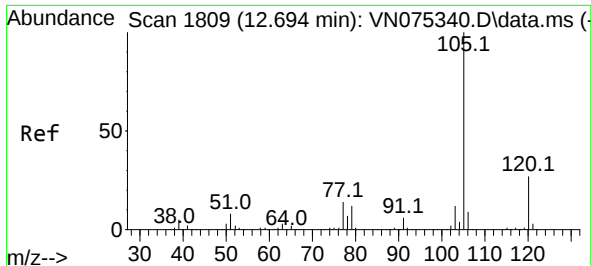
Tgt Ion:106 Resp: 134446
Ion Ratio Lower Upper
106 100
91 208.9 105.2 315.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075588.D
Acq: 06 Dec 2022 16:38

Tgt Ion:152 Resp: 145501
Ion Ratio Lower Upper
152 100
115 57.5 30.2 90.6
150 160.8 0.0 348.4

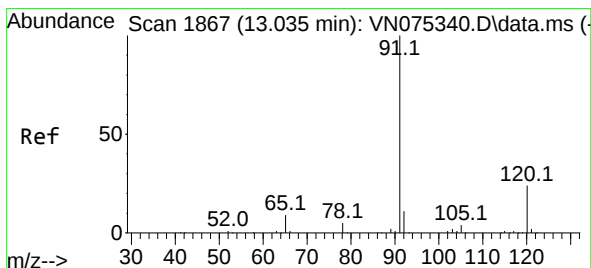
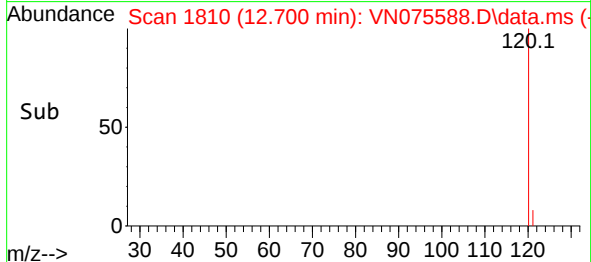
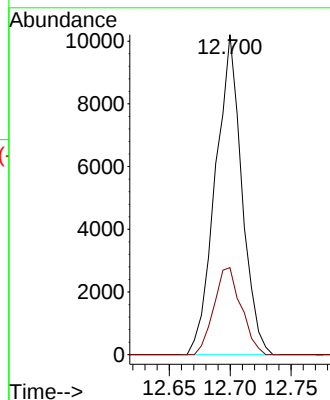
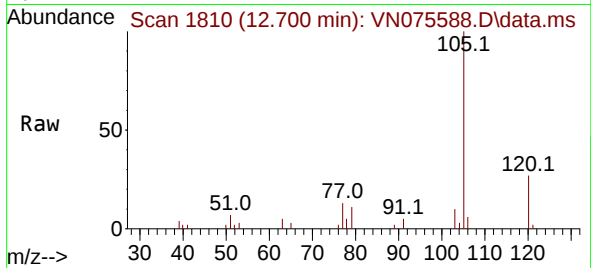




#73
Isopropylbenzene
Concen: 1.449 ug/l
RT: 12.700 min Scan# 1810
Delta R.T. 0.006 min
Lab File: VN075588.D
Acq: 06 Dec 2022 16:38

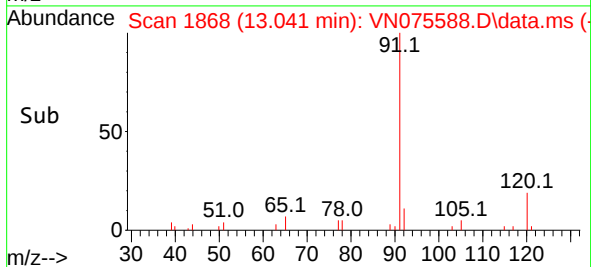
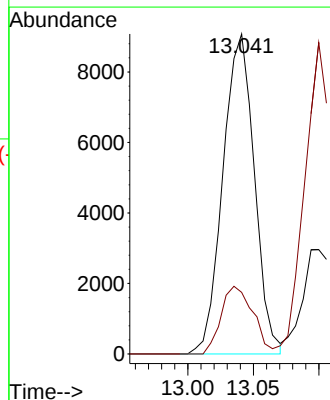
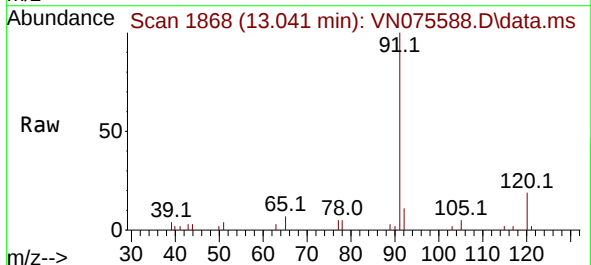
Instrument :
MSVOA_N
ClientSampleId :
LIN-VRG-12-02DL

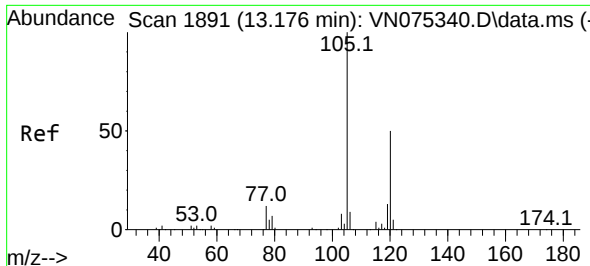
Tgt Ion:105 Resp: 15399
Ion Ratio Lower Upper
105 100
120 28.1 13.1 39.1



#78
n-propylbenzene
Concen: 1.277 ug/l
RT: 13.041 min Scan# 1868
Delta R.T. 0.006 min
Lab File: VN075588.D
Acq: 06 Dec 2022 16:38

Tgt Ion: 91 Resp: 15149
Ion Ratio Lower Upper
91 100
120 21.5 11.9 35.5

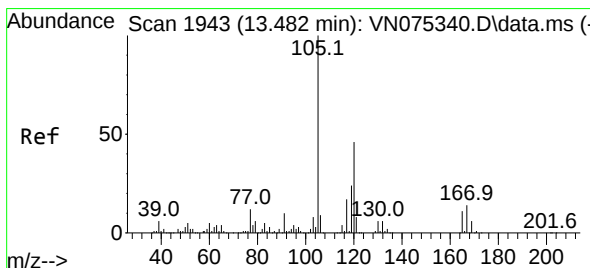
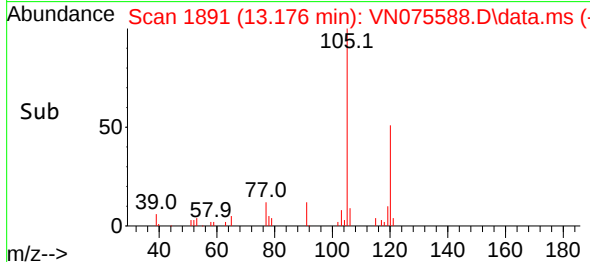
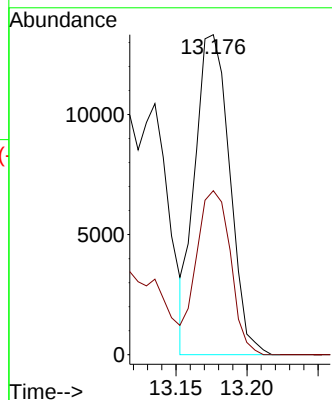
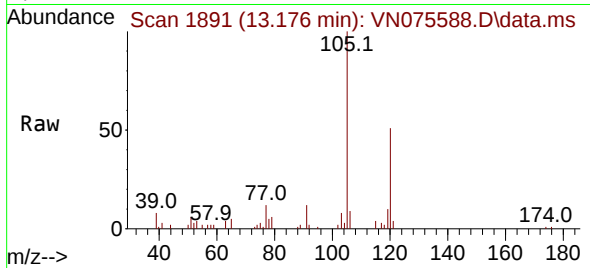




#80
 1,3,5-Trimethylbenzene
 Concen: 2.554 ug/l
 RT: 13.176 min Scan# 1891
 Delta R.T. 0.000 min
 Lab File: VN075588.D
 Acq: 06 Dec 2022 16:38

Instrument :
 MSVOA_N
 ClientSampleId :
 LIN-VRG-12-02DL

Tgt Ion:105 Resp: 22560
 Ion Ratio Lower Upper
 105 100
 120 50.4 24.7 74.1



#84
 1,2,4-Trimethylbenzene
 Concen: 5.432 ug/l
 RT: 13.488 min Scan# 1944
 Delta R.T. 0.006 min
 Lab File: VN075588.D
 Acq: 06 Dec 2022 16:38

Tgt Ion:105 Resp: 48121
 Ion Ratio Lower Upper
 105 100
 120 46.1 22.7 68.1

