

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090122\
 Data File : VN074261.D
 Acq On : 01 Sep 2022 23:39
 Operator : JC\MD
 Sample : N4376-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-29

Quant Time: Sep 02 05:43:13 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N083022W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 31 07:02:40 2022
 Response via : Initial Calibration

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

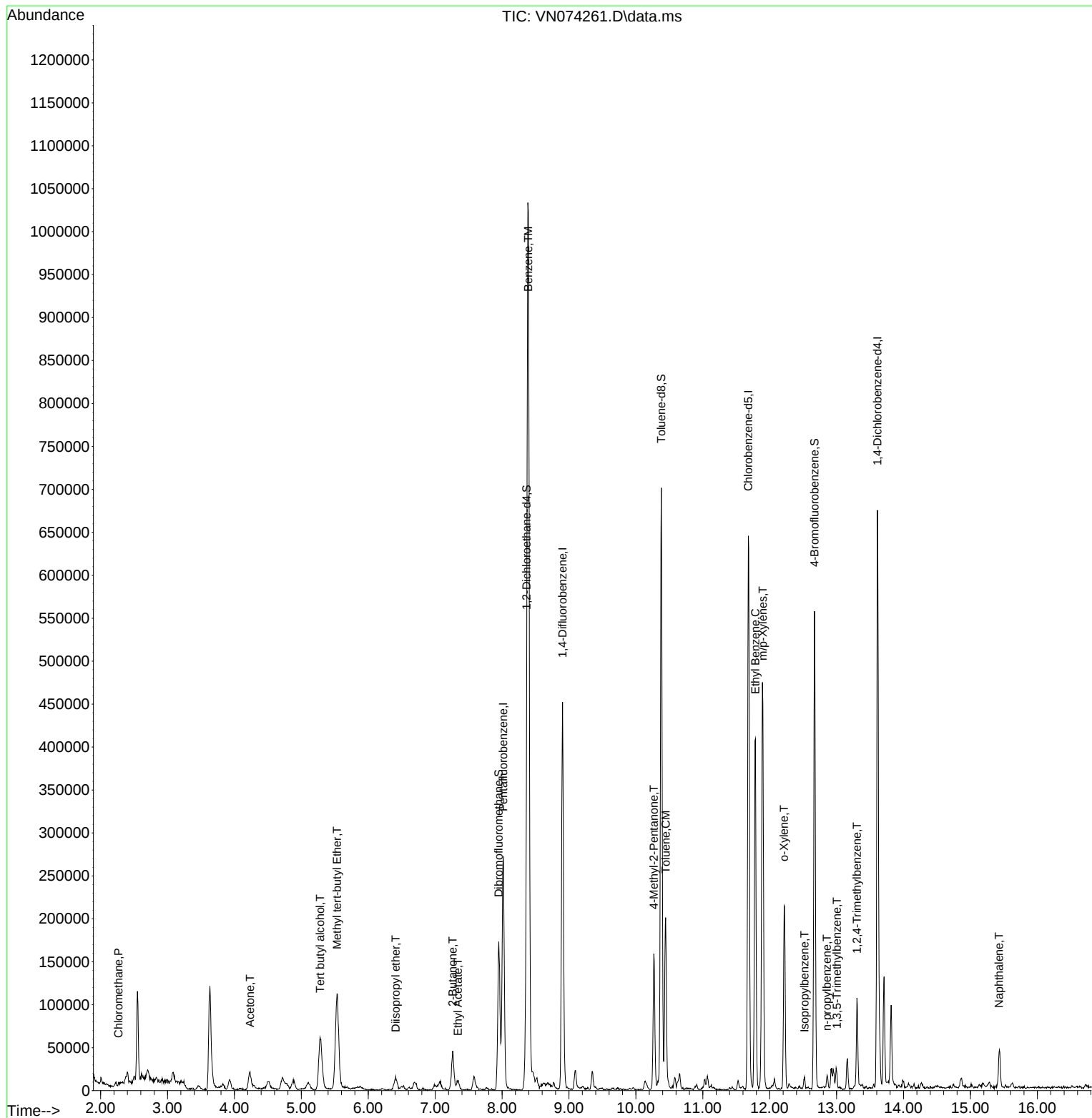
Internal Standards						
1) Pentafluorobenzene	8.016	168	194890	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	361608	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	349005	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	163728	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	149986	49.611	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	99.220%
35) Dibromofluoromethane	7.951	113	120449	51.188	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.380%
50) Toluene-d8	10.380	98	457348	49.354	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.700%
62) 4-Bromofluorobenzene	12.668	95	168959	59.956	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	119.920%
Target Compounds						Qvalue
3) Chloromethane	2.269	50	841	0.296	ug/l #	81
11) Tert butyl alcohol	5.281	59	109296	157.978	ug/l	99
16) Acetone	4.234	43	38273	18.946	ug/l	92
19) Methyl tert-butyl Ether	5.534	73	167312	19.795	ug/l	99
22) Diisopropyl ether	6.410	45	17475	1.683	ug/l #	85
25) 2-Butanone	7.263	43	74105	22.931	ug/l #	82
37) Ethyl Acetate	7.339	43	15265	2.391	ug/l	97
40) Benzene	8.392	78	981160	81.846	ug/l	99
51) 4-Methyl-2-Pentanone	10.269	43	114571	18.392	ug/l	87
52) Toluene	10.445	92	79273	11.219	ug/l	96
67) Ethyl Benzene	11.786	91	289413	20.535	ug/l	95
68) m/p-Xylenes	11.898	106	149012	28.461	ug/l	99
69) o-Xylene	12.216	106	57299	10.983	ug/l	99
73) Isopropylbenzene	12.521	105	7525	0.537	ug/l	94
78) n-propylbenzene	12.857	91	12606	0.789	ug/l	100
80) 1,3,5-Trimethylbenzene	13.004	105	8818	0.773	ug/l	95
84) 1,2,4-Trimethylbenzene	13.304	105	53191	4.833	ug/l	98
95) Naphthalene	15.427	128	39300	4.242	ug/l	98

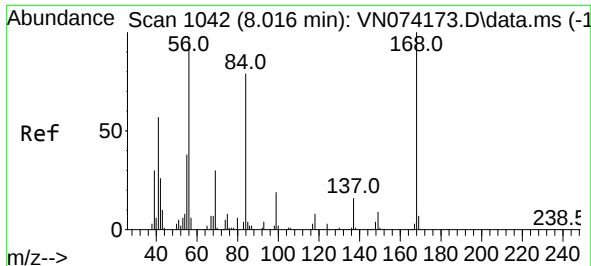
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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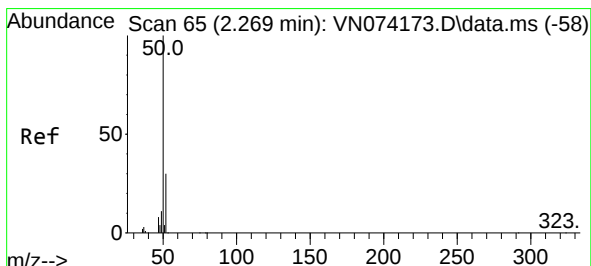
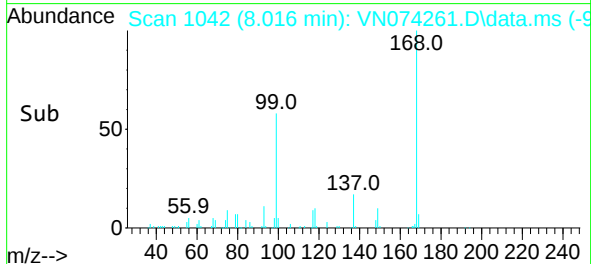
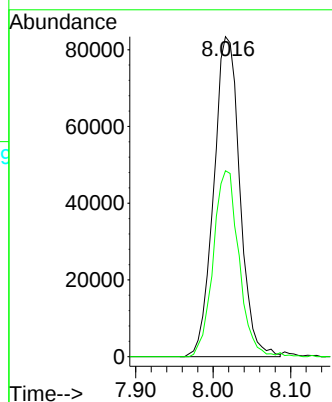
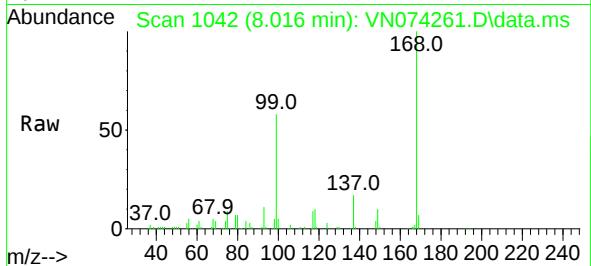




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN074261.D
Acq: 01 Sep 2022 23:39

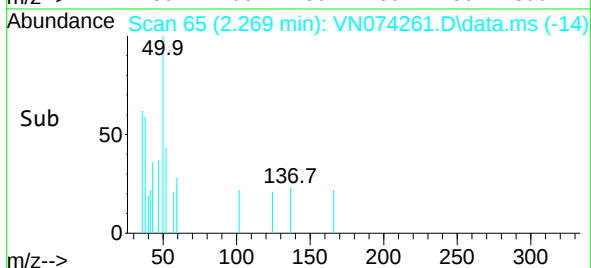
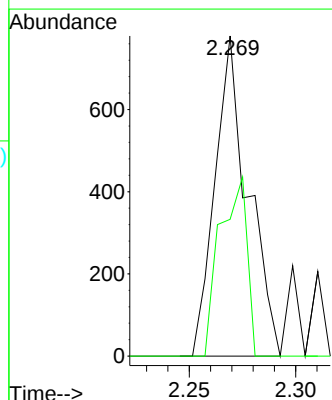
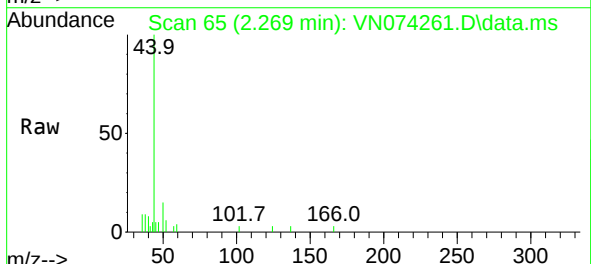
Instrument :
MSVOA_N
ClientSampleId :
MW-29

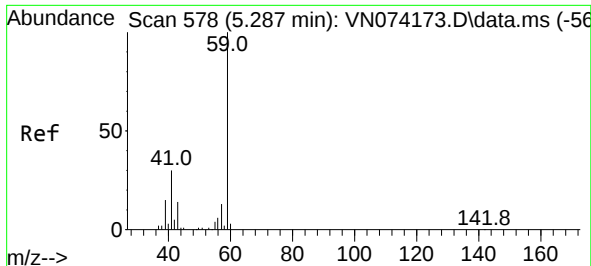
Tgt Ion:168 Resp: 194890
Ion Ratio Lower Upper
168 100
99 58.1 42.3 63.5



#3
Chloromethane
Concen: 0.296 ug/l
RT: 2.269 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN074261.D
Acq: 01 Sep 2022 23:39

Tgt Ion: 50 Resp: 841
Ion Ratio Lower Upper
50 100
52 42.7 25.7 38.5#





#11

Tert butyl alcohol

Concen: 157.978 ug/l

RT: 5.281 min Scan# 51

Delta R.T. -0.006 min

Lab File: VN074261.D

Acq: 01 Sep 2022 23:39

Instrument :

MSVOA_N

ClientSampleId :

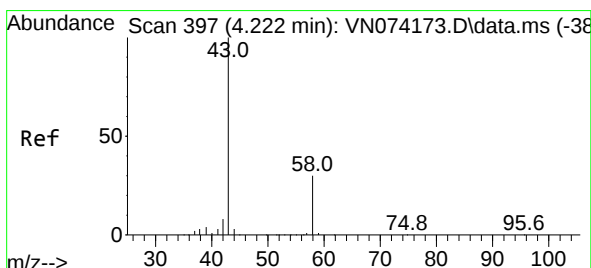
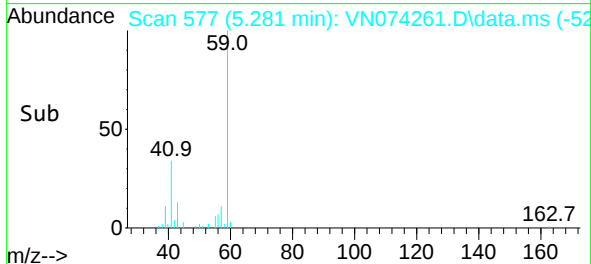
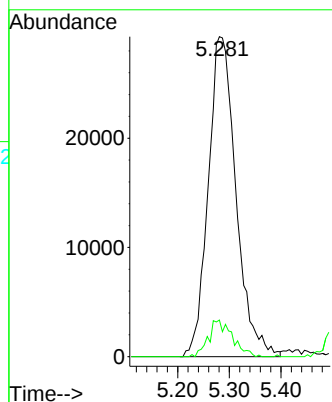
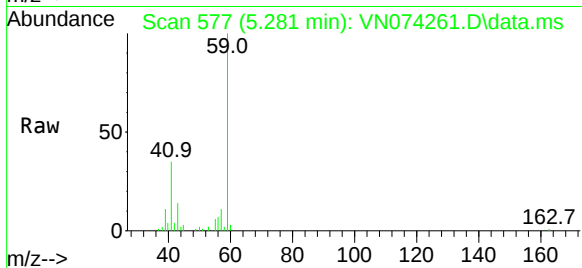
MW-29

Tgt Ion: 59 Resp: 109296

Ion Ratio Lower Upper

59 100

57 9.9 8.3 12.5



#16

Acetone

Concen: 18.946 ug/l

RT: 4.234 min Scan# 399

Delta R.T. 0.012 min

Lab File: VN074261.D

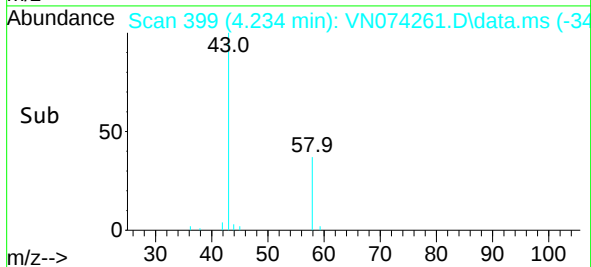
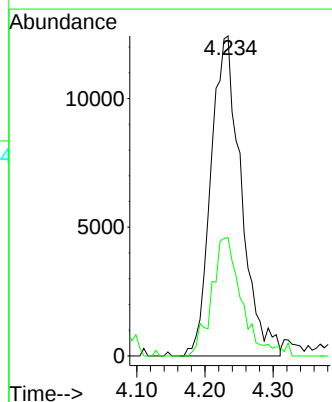
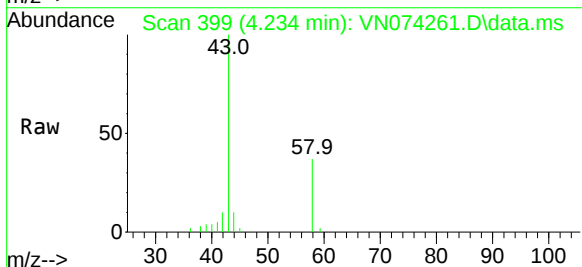
Acq: 01 Sep 2022 23:39

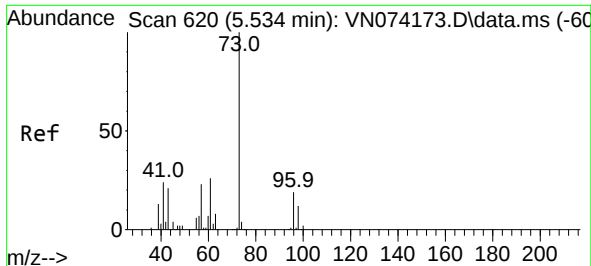
Tgt Ion: 43 Resp: 38273

Ion Ratio Lower Upper

43 100

58 37.0 26.0 39.0

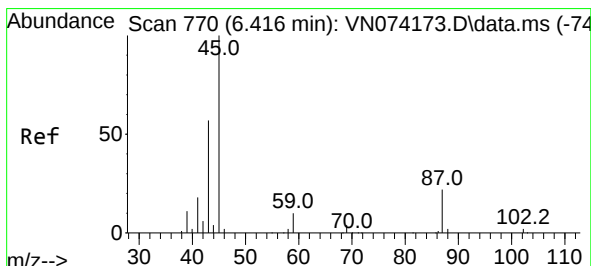
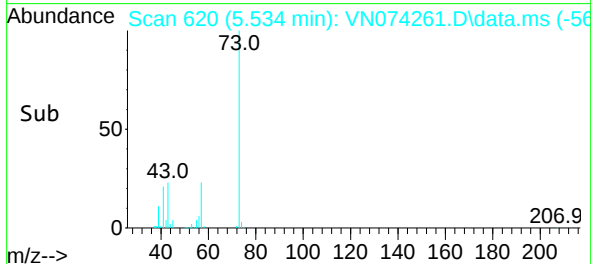
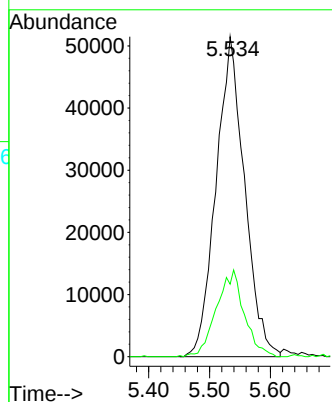
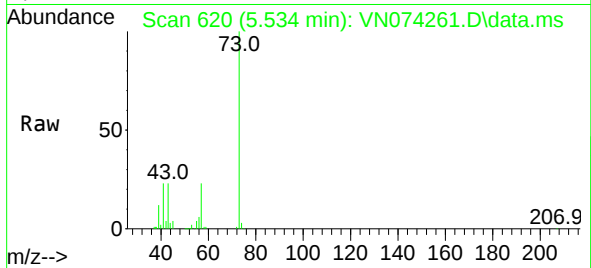




#19
Methyl tert-butyl Ether
Concen: 19.795 ug/l
RT: 5.534 min Scan# 61
Delta R.T. -0.000 min
Lab File: VN074261.D
Acq: 01 Sep 2022 23:39

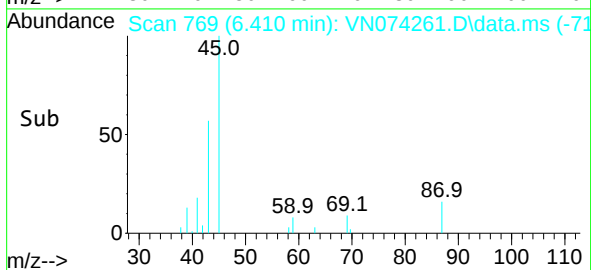
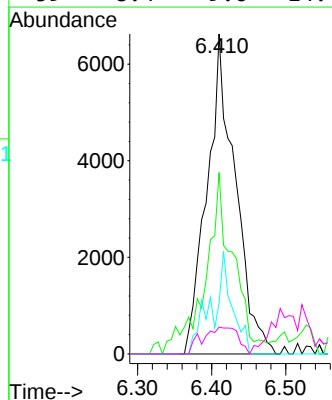
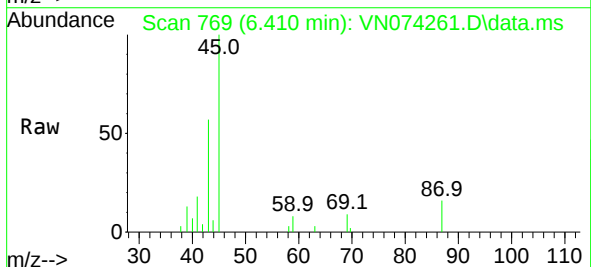
Instrument :
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MW-29

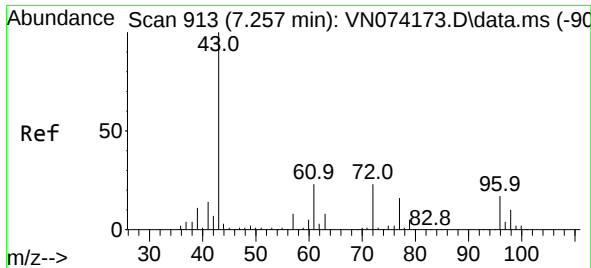
Tgt Ion: 73 Resp: 167312
Ion Ratio Lower Upper
73 100
57 22.6 17.6 26.4



#22
Diisopropyl ether
Concen: 1.683 ug/l
RT: 6.410 min Scan# 769
Delta R.T. -0.006 min
Lab File: VN074261.D
Acq: 01 Sep 2022 23:39

Tgt Ion: 45 Resp: 17475
Ion Ratio Lower Upper
45 100
43 51.0 46.6 70.0
87 15.9 24.3 36.5#
59 8.4 9.6 14.4#

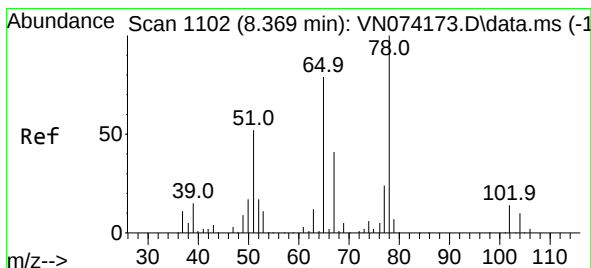
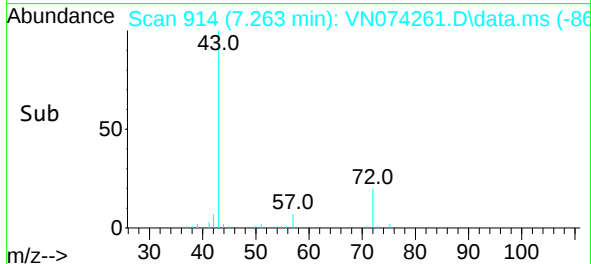
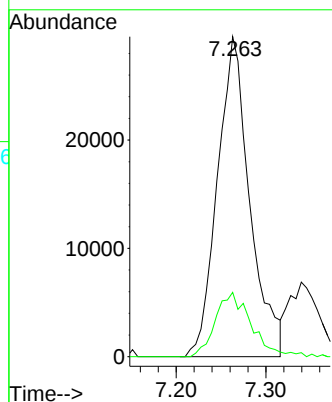
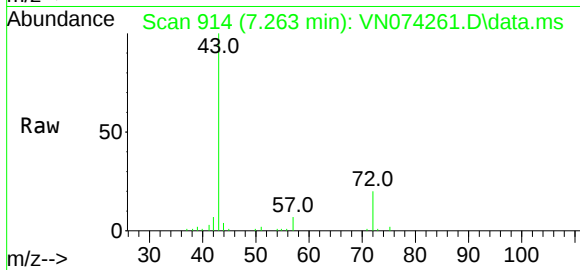




#25
2-Butanone
Concen: 22.931 ug/l
RT: 7.263 min Scan# 913
Delta R.T. 0.006 min
Lab File: VN074261.D
Acq: 01 Sep 2022 23:39

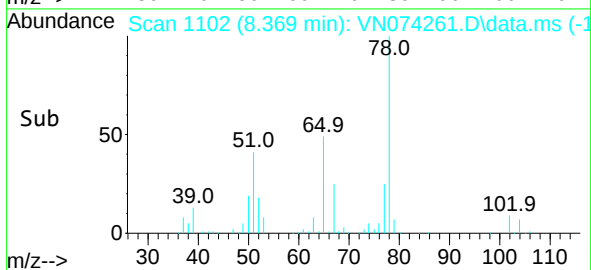
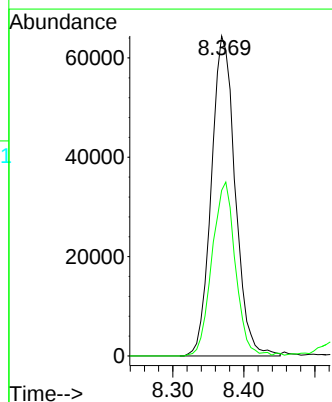
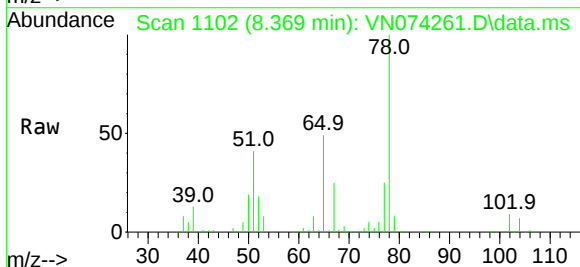
Instrument :
MSVOA_N
ClientSampleId :
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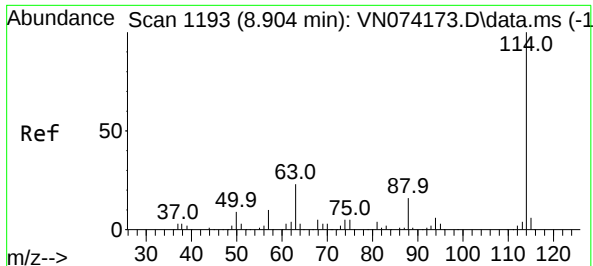
Tgt Ion: 43 Resp: 74105
Ion Ratio Lower Upper
43 100
72 20.1 23.7 35.5#



#33
1,2-Dichloroethane-d4
Concen: 49.611 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VN074261.D
Acq: 01 Sep 2022 23:39

Tgt Ion: 65 Resp: 149986
Ion Ratio Lower Upper
65 100
67 53.2 0.0 104.8

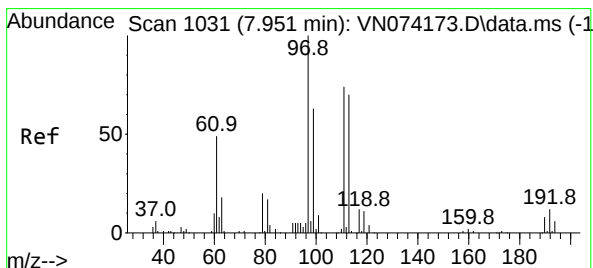
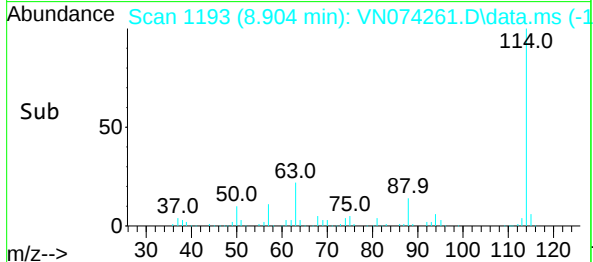
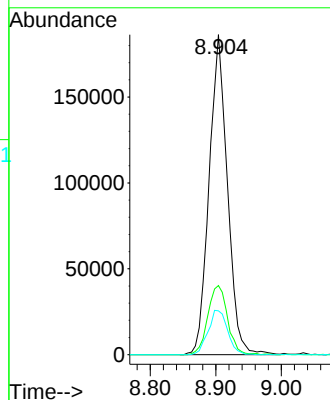
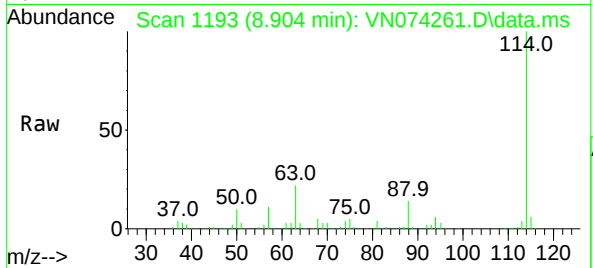




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.904 min Scan# 1193
Delta R.T. -0.000 min
Lab File: VN074261.D
Acq: 01 Sep 2022 23:39

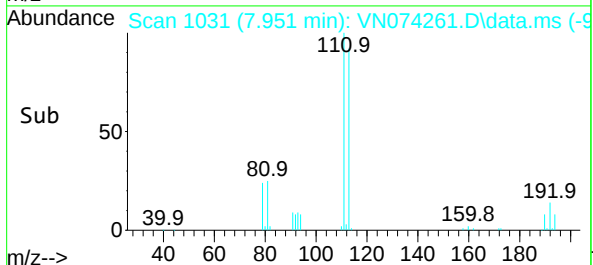
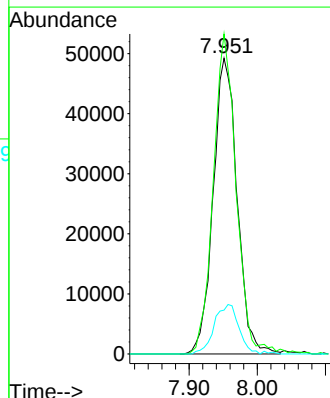
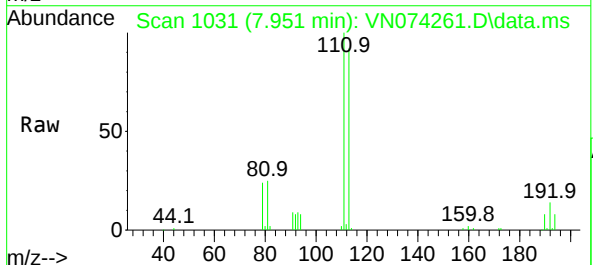
Instrument :
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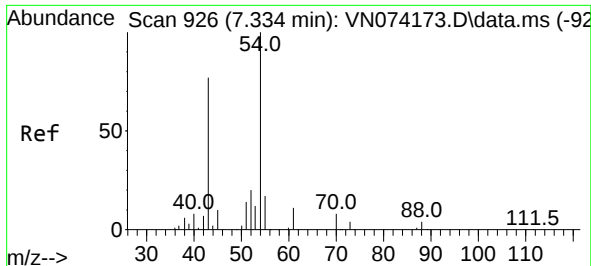
Tgt Ion:114 Resp: 361608
Ion Ratio Lower Upper
114 100
63 21.6 0.0 40.0
88 13.7 0.0 32.6



#35
Dibromofluoromethane
Concen: 51.188 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VN074261.D
Acq: 01 Sep 2022 23:39

Tgt Ion:113 Resp: 120449
Ion Ratio Lower Upper
113 100
111 103.4 81.4 122.0
192 17.1 17.0 25.6

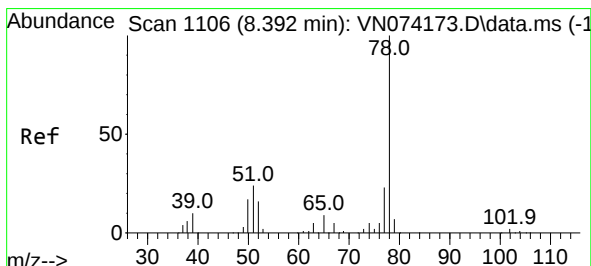
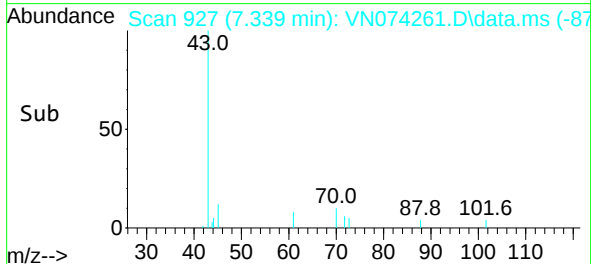
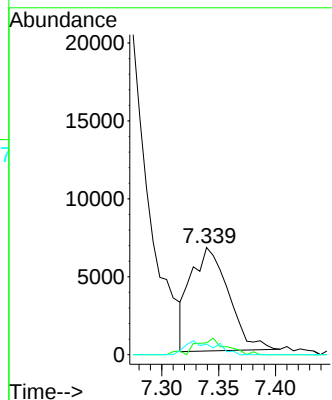
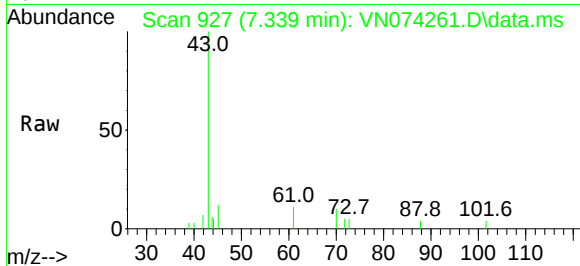




#37
Ethyl Acetate
Concen: 2.391 ug/l
RT: 7.339 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN074261.D
Acq: 01 Sep 2022 23:39

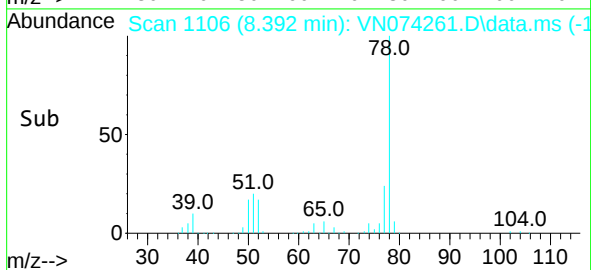
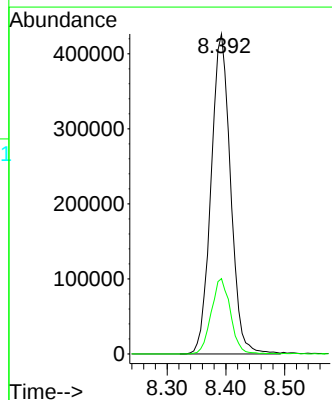
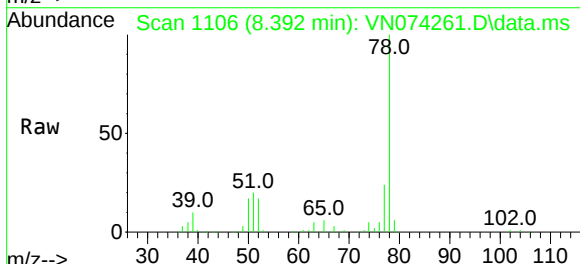
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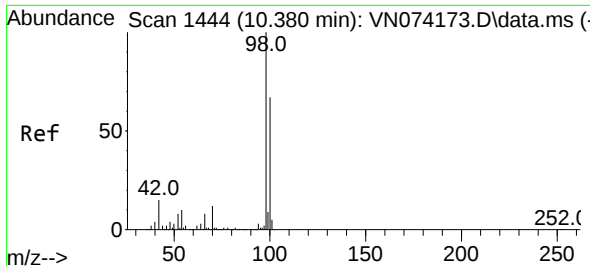
Tgt Ion: 43 Resp: 15265
Ion Ratio Lower Upper
43 100
61 12.9 11.8 17.6
70 10.7 9.3 13.9



#40
Benzene
Concen: 81.846 ug/l
RT: 8.392 min Scan# 1106
Delta R.T. -0.000 min
Lab File: VN074261.D
Acq: 01 Sep 2022 23:39

Tgt Ion: 78 Resp: 981160
Ion Ratio Lower Upper
78 100
77 23.6 19.4 29.0

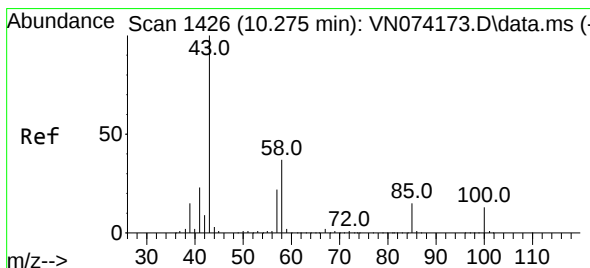
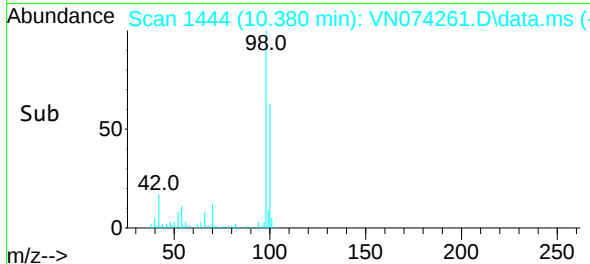
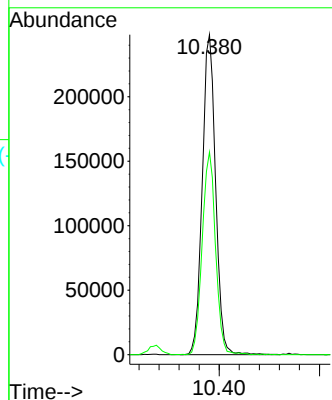
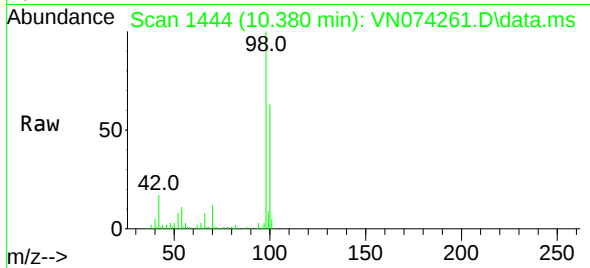




#50
Toluene-d8
Concen: 49.354 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN074261.D
Acq: 01 Sep 2022 23:39

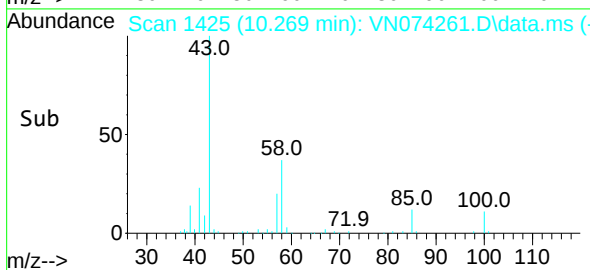
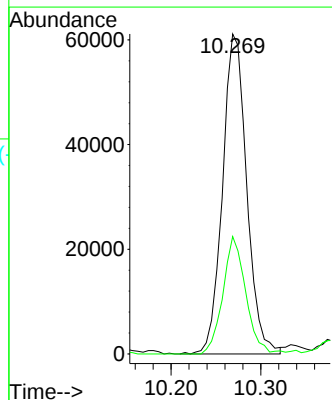
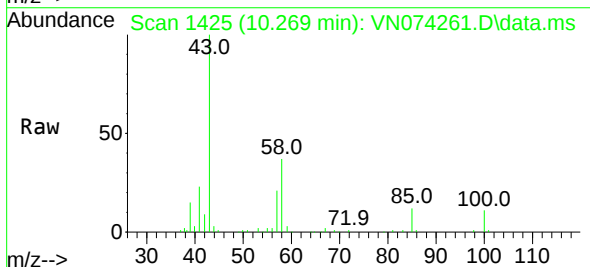
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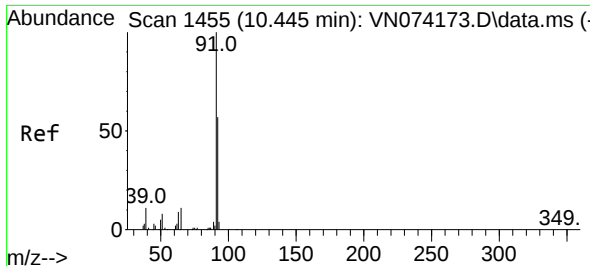
Tgt Ion: 98 Resp: 457348
Ion Ratio Lower Upper
98 100
100 63.6 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 18.392 ug/l
RT: 10.269 min Scan# 1425
Delta R.T. -0.006 min
Lab File: VN074261.D
Acq: 01 Sep 2022 23:39

Tgt Ion: 43 Resp: 114571
Ion Ratio Lower Upper
43 100
58 34.4 34.1 51.1

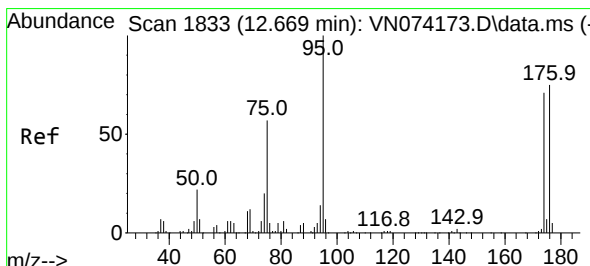
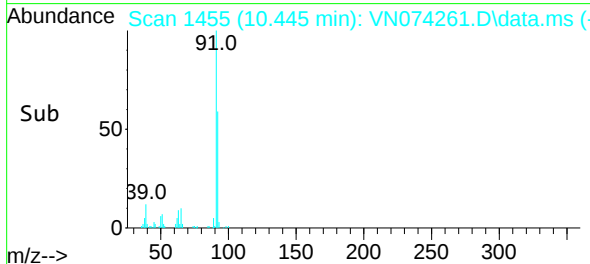
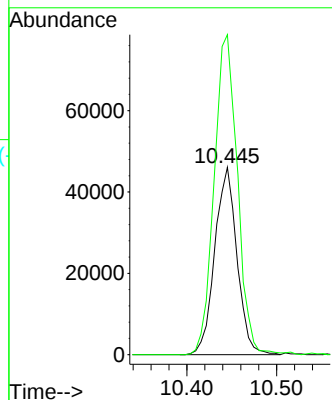
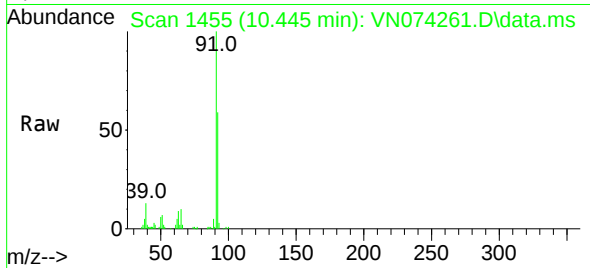




#52
Toluene
Concen: 11.219 ug/l
RT: 10.445 min Scan# 1455
Delta R.T. -0.000 min
Lab File: VN074261.D
Acq: 01 Sep 2022 23:39

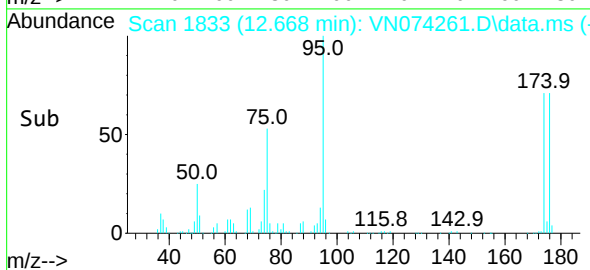
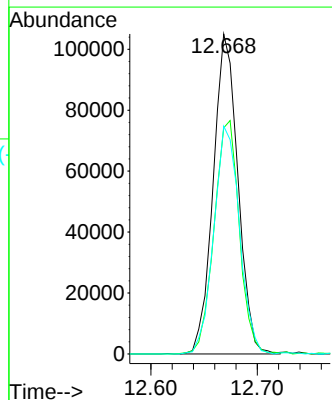
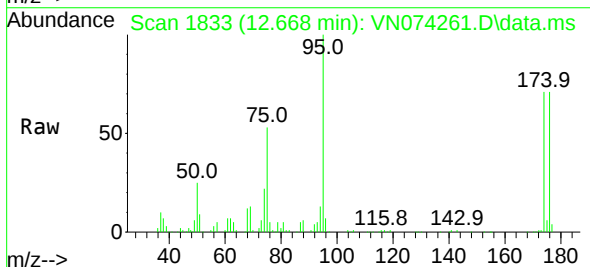
Instrument :
MSVOA_N
ClientSampleId :
MW-29

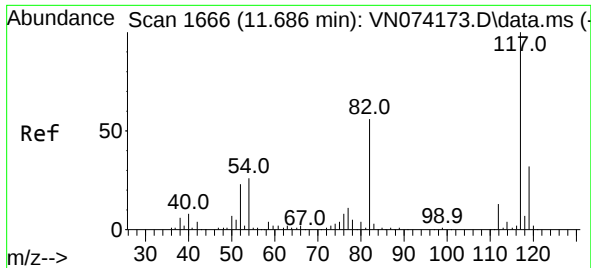
Tgt Ion: 92 Resp: 79273
Ion Ratio Lower Upper
92 100
91 179.0 138.6 207.8



#62
4-Bromofluorobenzene
Concen: 59.956 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. -0.000 min
Lab File: VN074261.D
Acq: 01 Sep 2022 23:39

Tgt Ion: 95 Resp: 168959
Ion Ratio Lower Upper
95 100
174 74.6 0.0 167.6
176 74.1 0.0 163.4

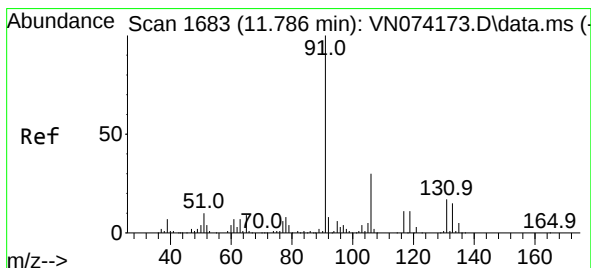
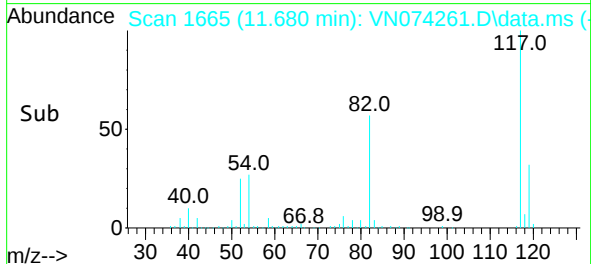
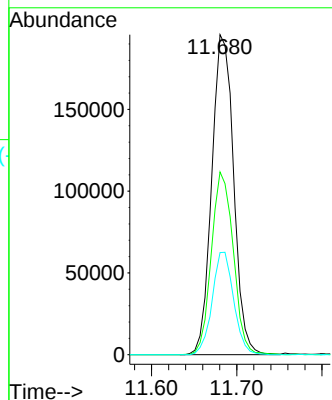
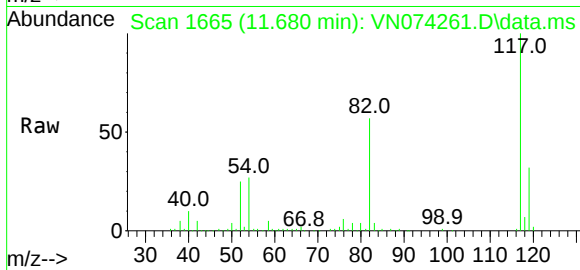




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.680 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN074261.D
Acq: 01 Sep 2022 23:39

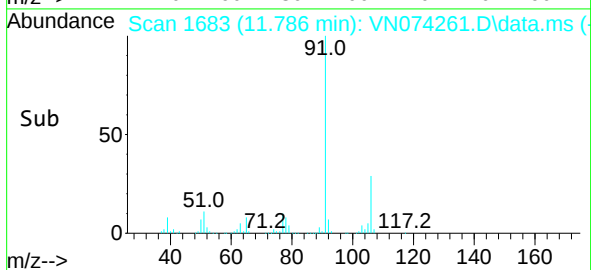
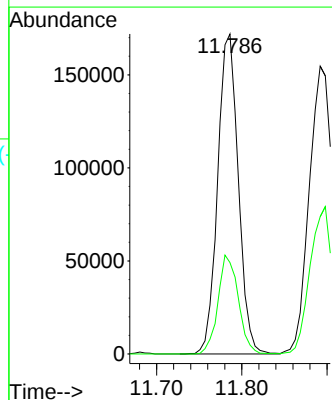
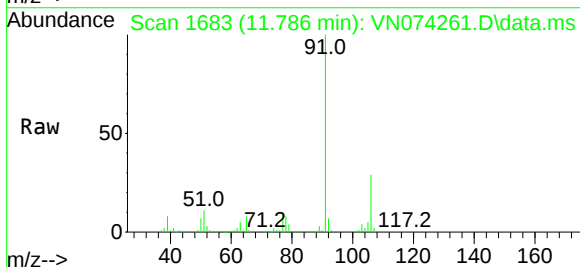
Instrument :
MSVOA_N
ClientSampleId :
MW-29

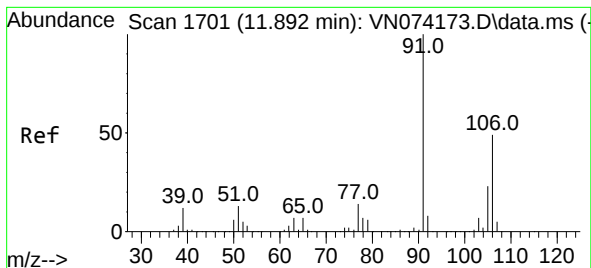
Tgt Ion:117 Resp: 349005
Ion Ratio Lower Upper
117 100
82 57.1 44.2 66.2
119 31.9 25.4 38.0



#67
Ethyl Benzene
Concen: 20.535 ug/l
RT: 11.786 min Scan# 1683
Delta R.T. -0.000 min
Lab File: VN074261.D
Acq: 01 Sep 2022 23:39

Tgt Ion: 91 Resp: 289413
Ion Ratio Lower Upper
91 100
106 28.6 24.9 37.3





#68

m/p-Xylenes

Concen: 28.461 ug/l

RT: 11.898 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN074261.D

Acq: 01 Sep 2022 23:39

Instrument :

MSVOA_N

ClientSampleId :

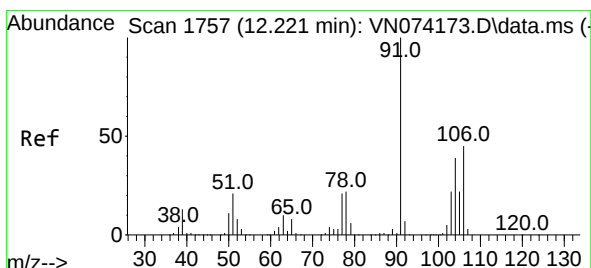
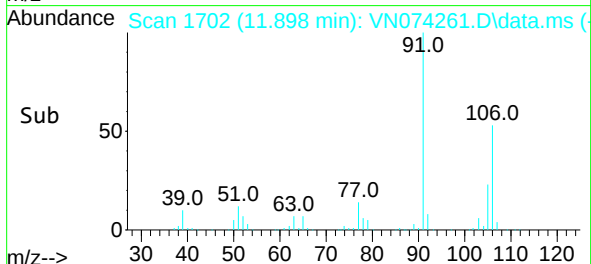
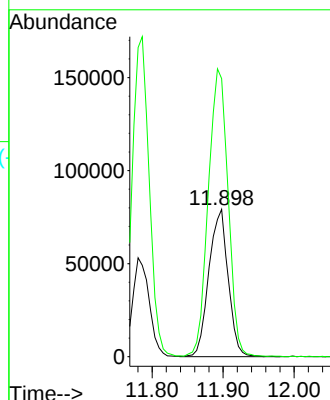
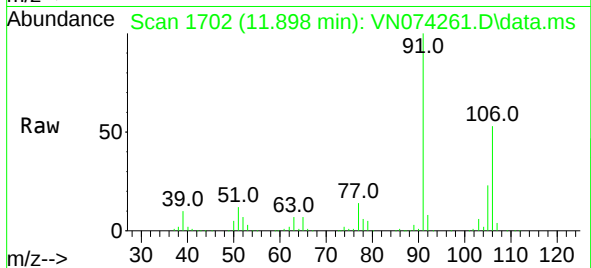
MW-29

Tgt Ion:106 Resp: 149012

Ion Ratio Lower Upper

106 100

91 200.4 158.9 238.3



#69

o-Xylene

Concen: 10.983 ug/l

RT: 12.216 min Scan# 1756

Delta R.T. -0.006 min

Lab File: VN074261.D

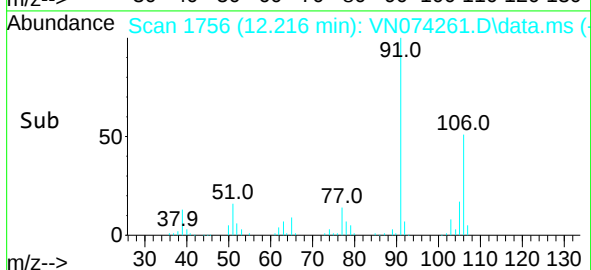
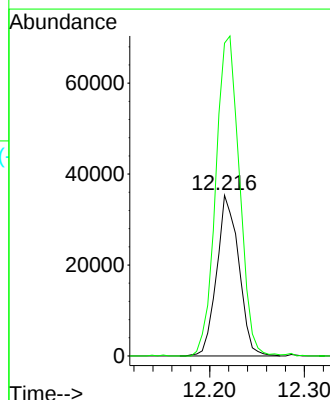
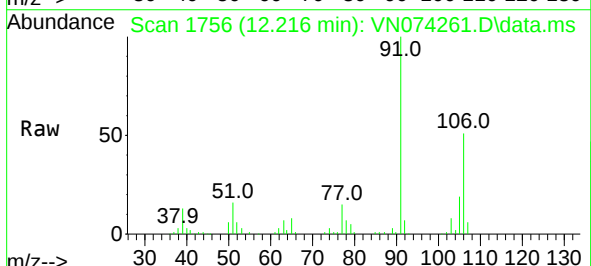
Acq: 01 Sep 2022 23:39

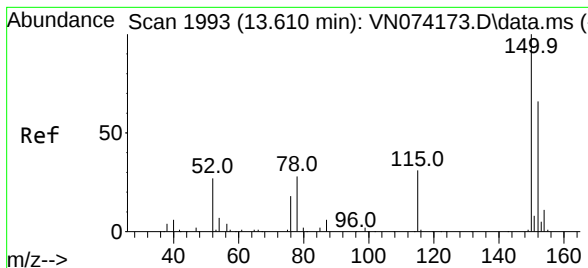
Tgt Ion:106 Resp: 57299

Ion Ratio Lower Upper

106 100

91 213.6 106.0 318.0

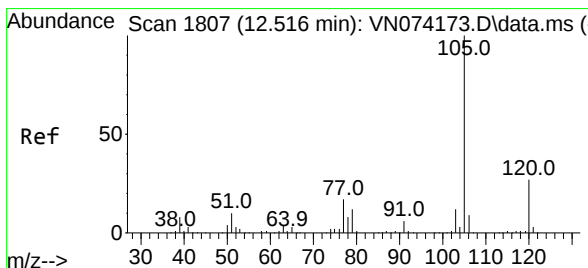
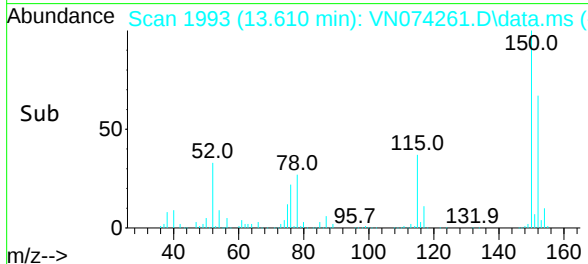
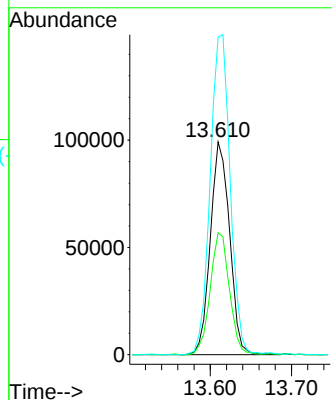
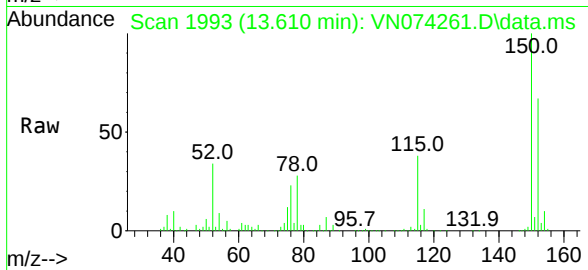




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.610 min Scan# 1993
 Delta R.T. -0.000 min
 Lab File: VN074261.D
 Acq: 01 Sep 2022 23:39

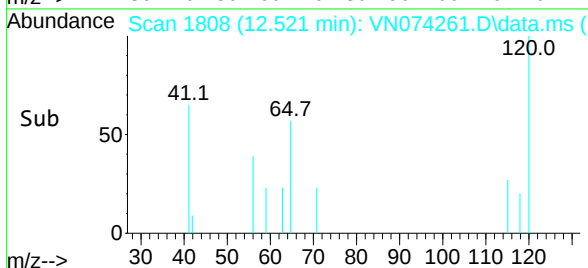
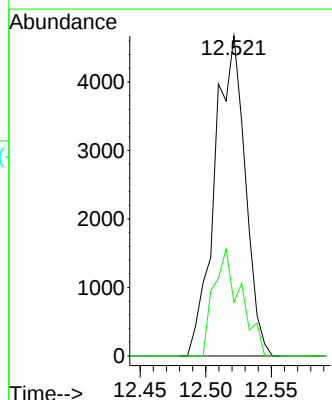
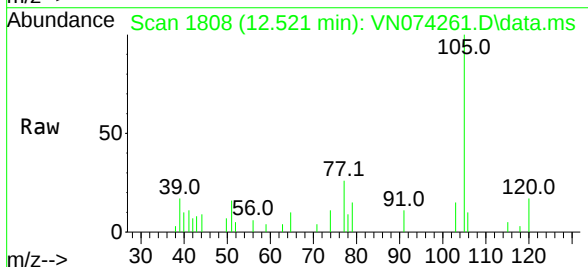
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-29

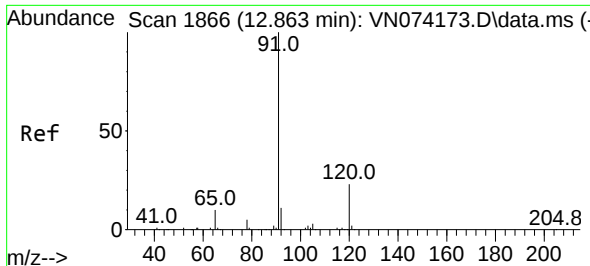
Tgt Ion:152 Resp: 163728
 Ion Ratio Lower Upper
 152 100
 115 57.1 28.9 86.7
 150 156.0 0.0 356.2



#73
 Isopropylbenzene
 Concen: 0.537 ug/l
 RT: 12.521 min Scan# 1808
 Delta R.T. 0.006 min
 Lab File: VN074261.D
 Acq: 01 Sep 2022 23:39

Tgt Ion:105 Resp: 7525
 Ion Ratio Lower Upper
 105 100
 120 29.8 13.5 40.4

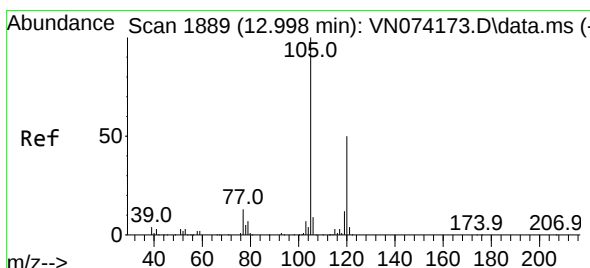
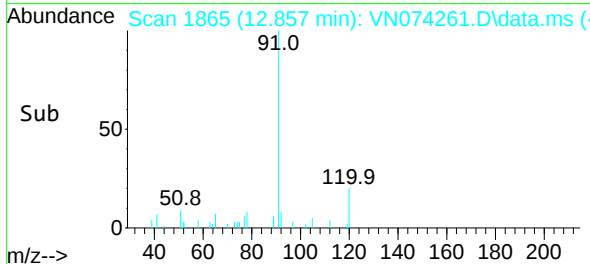
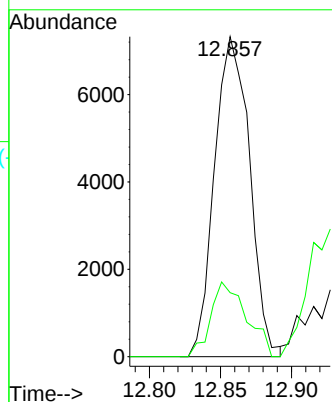
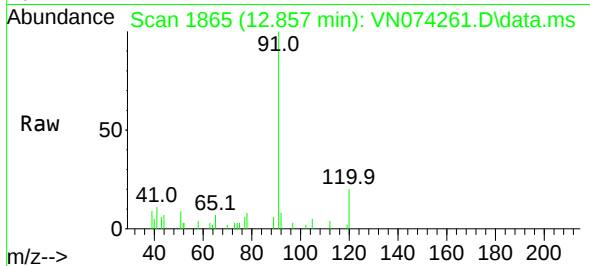




#78
n-propylbenzene
Concen: 0.789 ug/l
RT: 12.857 min Scan# 1865
Delta R.T. -0.006 min
Lab File: VN074261.D
Acq: 01 Sep 2022 23:39

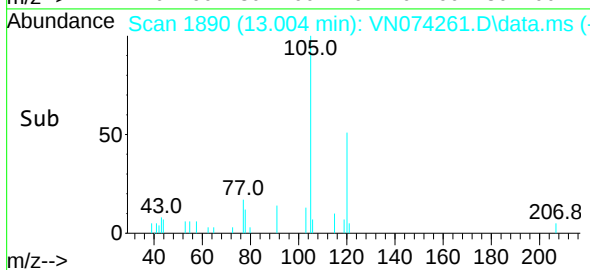
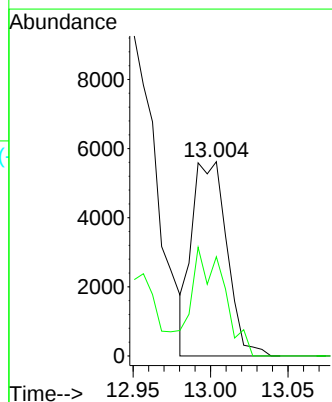
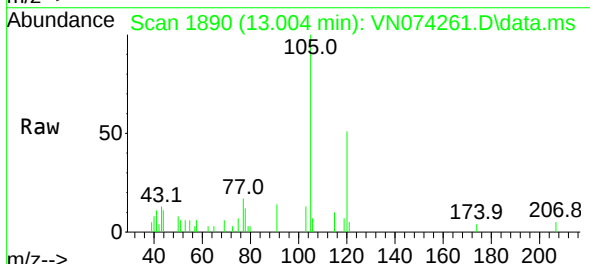
Instrument :
MSVOA_N
ClientSampleId :
MW-29

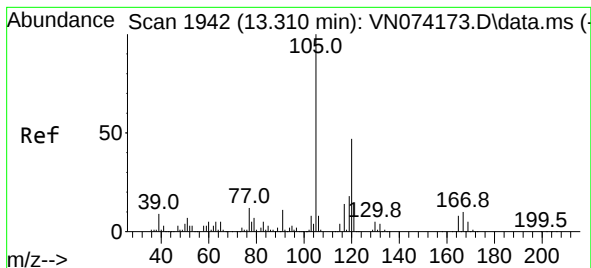
Tgt Ion: 91 Resp: 12606
Ion Ratio Lower Upper
91 100
120 23.7 11.9 35.5



#80
1,3,5-Trimethylbenzene
Concen: 0.773 ug/l
RT: 13.004 min Scan# 1890
Delta R.T. 0.006 min
Lab File: VN074261.D
Acq: 01 Sep 2022 23:39

Tgt Ion: 105 Resp: 8818
Ion Ratio Lower Upper
105 100
120 53.0 24.9 74.7





#84

1,2,4-Trimethylbenzene

Concen: 4.833 ug/l

RT: 13.304 min Scan# 1941

Delta R.T. -0.006 min

Lab File: VN074261.D

Acq: 01 Sep 2022 23:39

Instrument :

MSVOA_N

ClientSampleId :

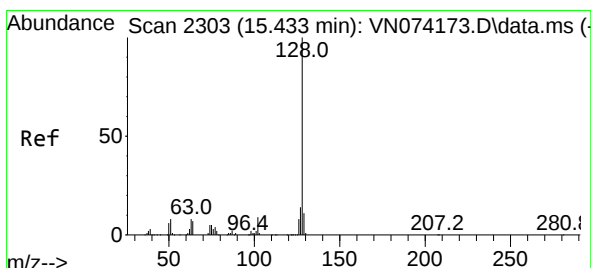
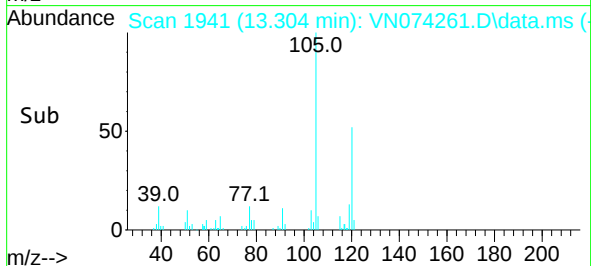
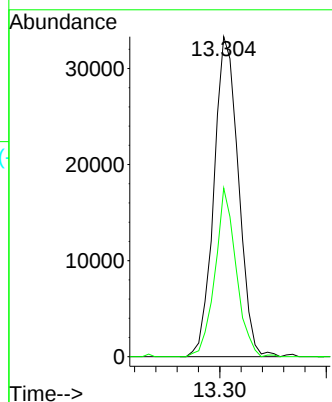
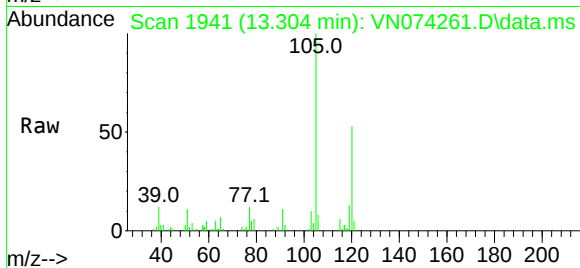
MW-29

Tgt Ion:105 Resp: 53191

Ion Ratio Lower Upper

105 100

120 45.4 23.3 69.8



#95

Naphthalene

Concen: 4.242 ug/l

RT: 15.427 min Scan# 2302

Delta R.T. -0.006 min

Lab File: VN074261.D

Acq: 01 Sep 2022 23:39

Tgt Ion:128 Resp: 39300

Ion Ratio Lower Upper

128 100

127 14.1 10.3 15.5

129 10.7 8.6 13.0

