

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080322\
 Data File : VN073716.D
 Acq On : 03 Aug 2022 17:03
 Operator : JC\MD
 Sample : N3972-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SPN-8

Quant Time: Aug 04 05:36:04 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N072822W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 29 02:20:25 2022
 Response via : Initial Calibration

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

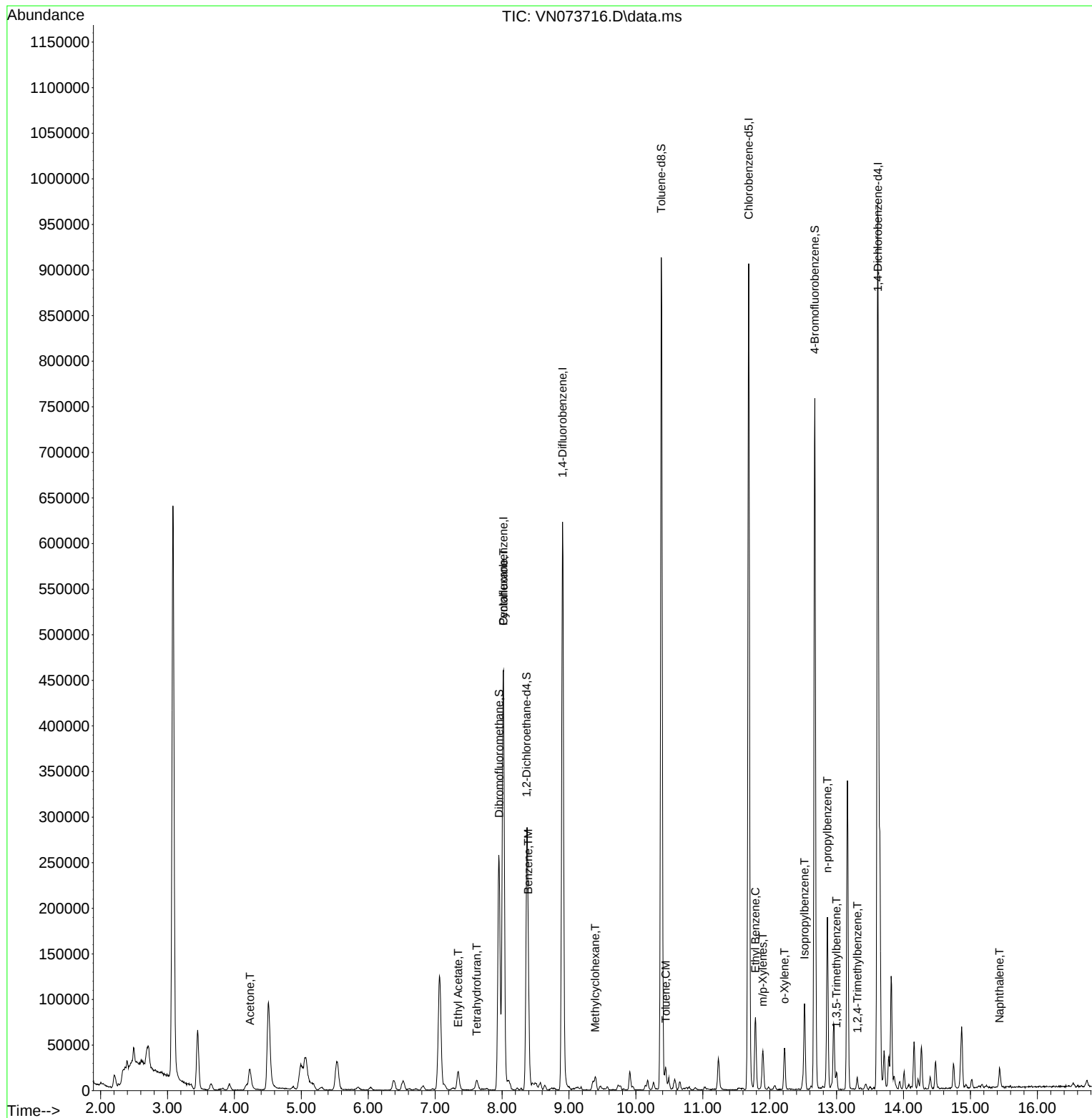
Internal Standards						
1) Pentafluorobenzene	8.022	168	347332	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	561406	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	530719	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	267235	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	210143	49.646	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.300%		
35) Dibromofluoromethane	7.957	113	193161	54.793	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	109.580%		
50) Toluene-d8	10.380	98	644327	46.447	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	92.900%		
62) 4-Bromofluorobenzene	12.674	95	247676	52.854	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	105.700%		
Target Compounds					Qvalue	
16) Acetone	4.234	43	45693	20.098	ug/l	100
29) Tetrahydrofuran	7.622	42	8274	3.707	ug/l	99
31) Cyclohexane	8.022	56	25028	3.972	ug/l #	70
37) Ethyl Acetate	7.345	43	33195	5.017	ug/l	97
39) Methylcyclohexane	9.392	83	6409	1.067	ug/l	90
40) Benzene	8.392	78	69922	4.286	ug/l	99
52) Toluene	10.445	92	8046	0.807	ug/l	100
67) Ethyl Benzene	11.786	91	56300	2.960	ug/l	98
68) m/p-Xylenes	11.898	106	14092	1.943	ug/l	97
69) o-Xylene	12.222	106	12912	1.826	ug/l	99
73) Isopropylbenzene	12.522	105	59270	3.030	ug/l	99
78) n-propylbenzene	12.863	91	145009	6.588	ug/l	97
80) 1,3,5-Trimethylbenzene	12.998	105	6924	0.430	ug/l	96
84) 1,2,4-Trimethylbenzene	13.310	105	7149	0.452	ug/l	94
95) Naphthalene	15.433	128	19191	1.264	ug/l	97

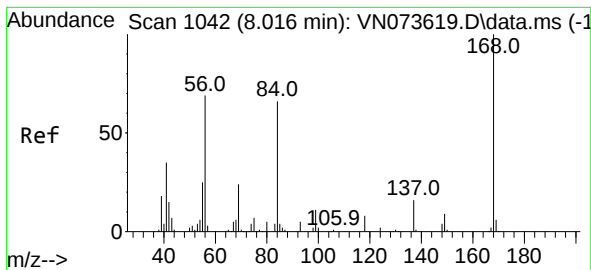
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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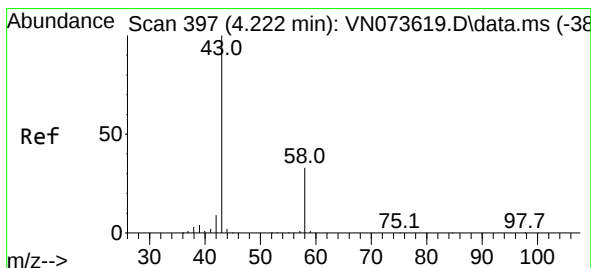
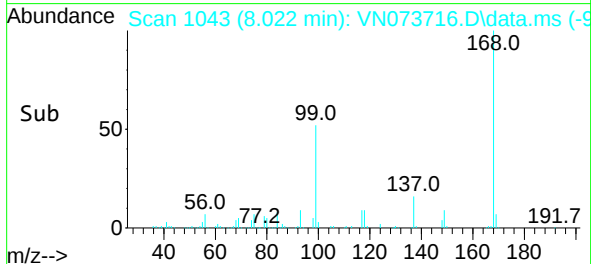
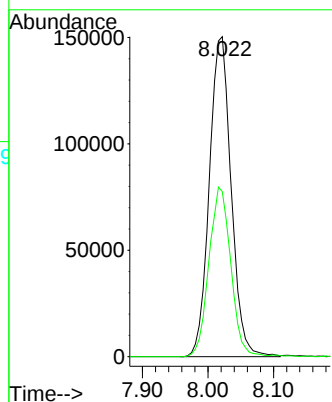
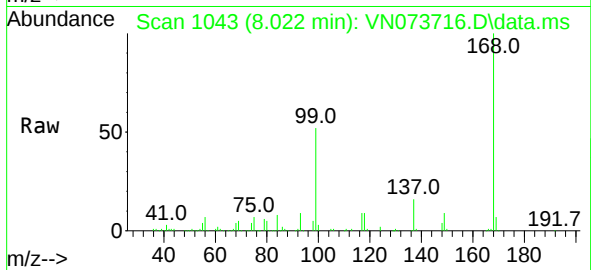




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.022 min Scan# 1042
Delta R.T. 0.006 min
Lab File: VN073716.D
Acq: 03 Aug 2022 17:03

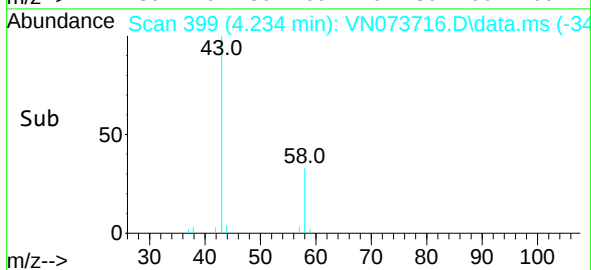
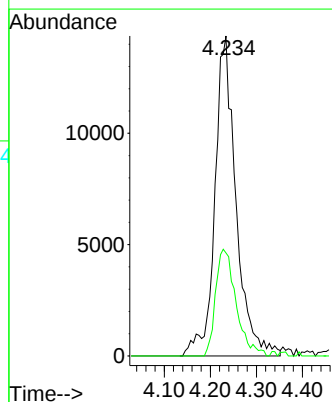
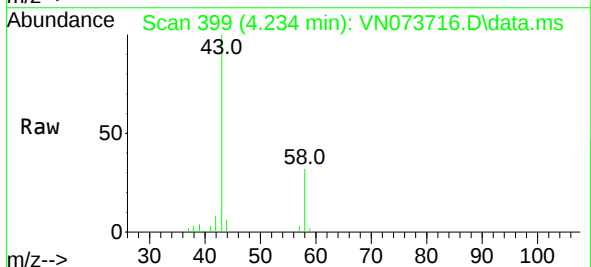
Instrument :
MSVOA_N
ClientSampleId :
SPN-8

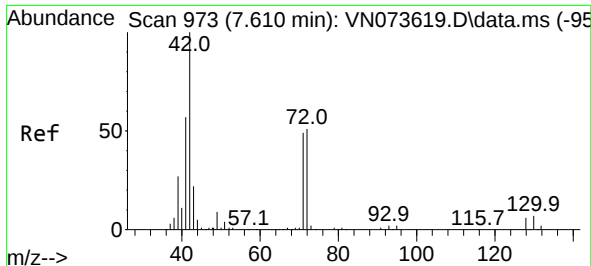
Tgt Ion:168 Resp: 347332
Ion Ratio Lower Upper
168 100
99 51.6 42.3 63.5



#16
Acetone
Concen: 20.098 ug/l
RT: 4.234 min Scan# 399
Delta R.T. 0.012 min
Lab File: VN073716.D
Acq: 03 Aug 2022 17:03

Tgt Ion: 43 Resp: 45693
Ion Ratio Lower Upper
43 100
58 32.2 26.0 39.0





#29

Tetrahydrofuran

Concen: 3.707 ug/l

RT: 7.622 min Scan# 91

Delta R.T. 0.012 min

Lab File: VN073716.D

Acq: 03 Aug 2022 17:03

Instrument :

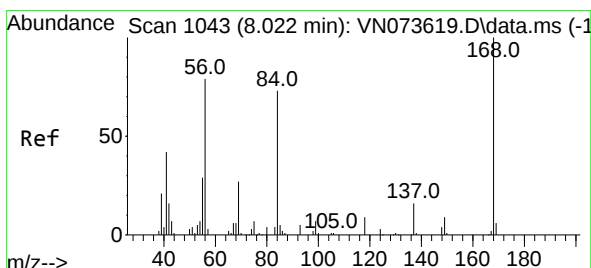
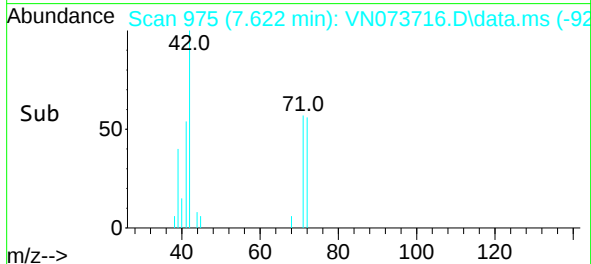
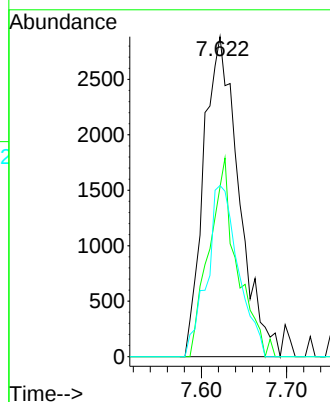
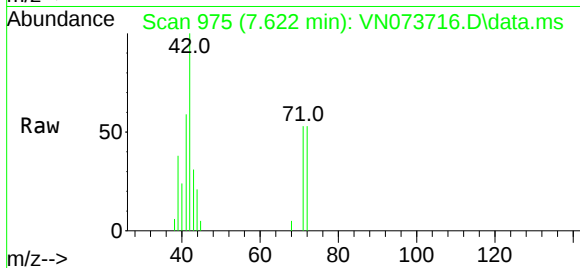
MSVOA_N

ClientSampleId :

SPN-8

Tgt Ion: 42 Resp: 8274

Ion	Ratio	Lower	Upper
42	100		
72	49.6	39.7	59.5
71	47.6	36.6	55.0



#31

Cyclohexane

Concen: 3.972 ug/l

RT: 8.022 min Scan# 1043

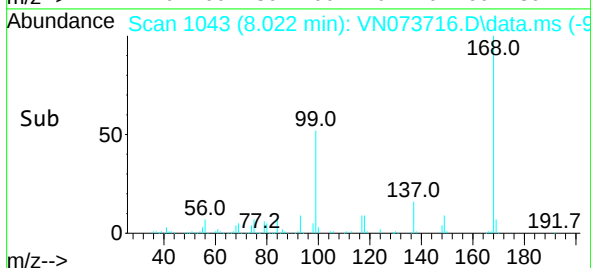
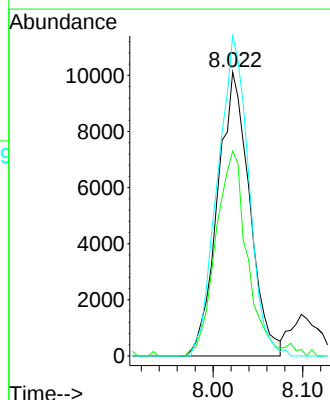
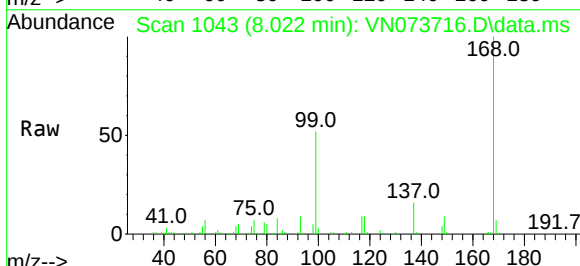
Delta R.T. 0.000 min

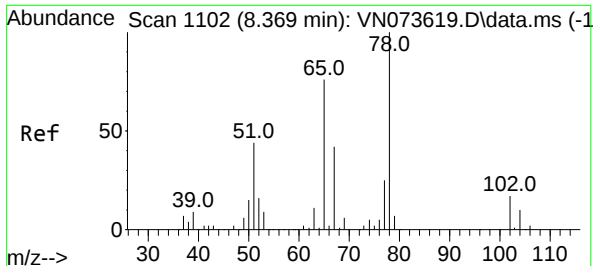
Lab File: VN073716.D

Acq: 03 Aug 2022 17:03

Tgt Ion: 56 Resp: 25028

Ion	Ratio	Lower	Upper
56	100		
69	72.1	27.8	41.8#
84	112.7	76.9	115.3





#33

1,2-Dichloroethane-d4

Concen: 49.646 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. 0.000 min

Lab File: VN073716.D

Acq: 03 Aug 2022 17:03

Instrument :

MSVOA_N

ClientSampleId :

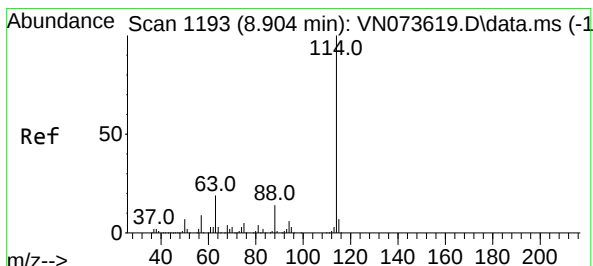
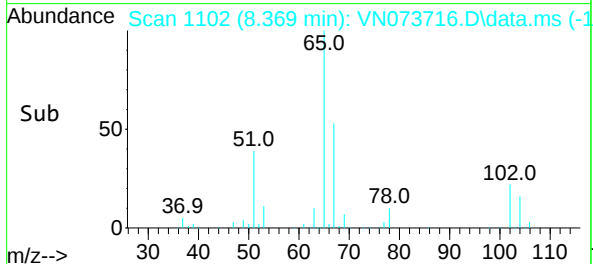
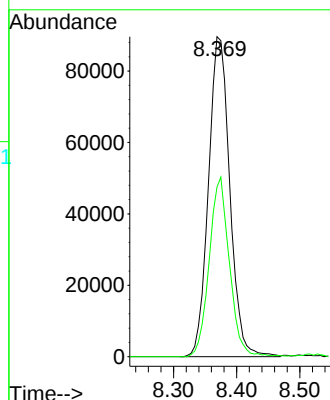
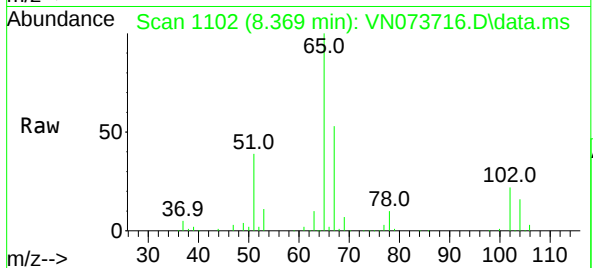
SPN-8

Tgt Ion: 65 Resp: 210143

Ion Ratio Lower Upper

65 100

67 53.1 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: VN073716.D

Acq: 03 Aug 2022 17:03

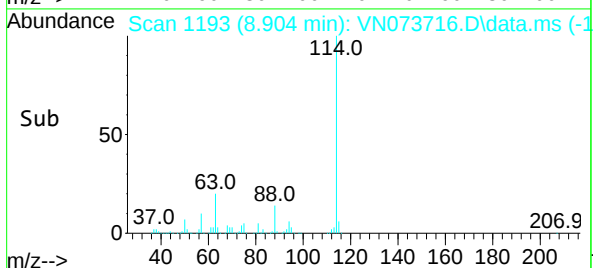
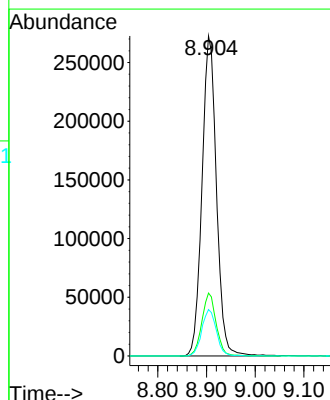
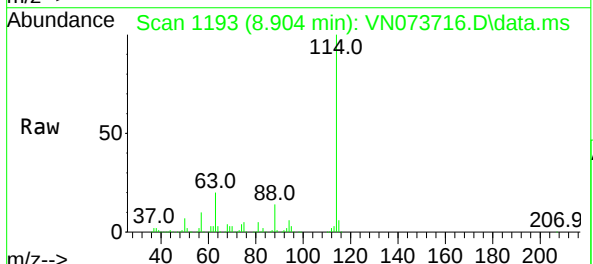
Tgt Ion: 114 Resp: 561406

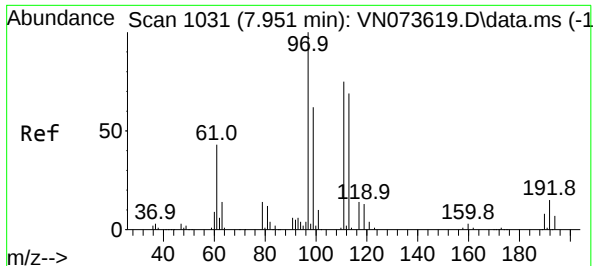
Ion Ratio Lower Upper

114 100

63 19.7 0.0 40.0

88 14.5 0.0 32.6





#35

Dibromofluoromethane

Concen: 54.793 ug/l

RT: 7.957 min Scan# 1031

Delta R.T. 0.006 min

Lab File: VN073716.D

Acq: 03 Aug 2022 17:03

Instrument :

MSVOA_N

ClientSampleId :

SPN-8

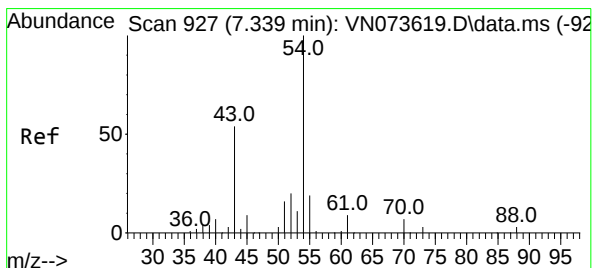
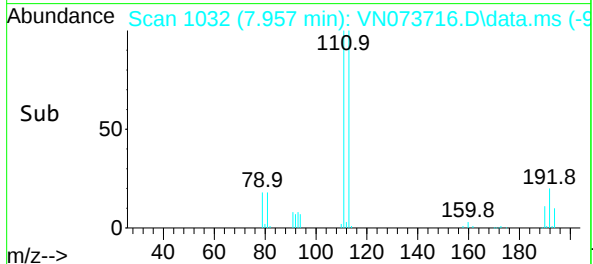
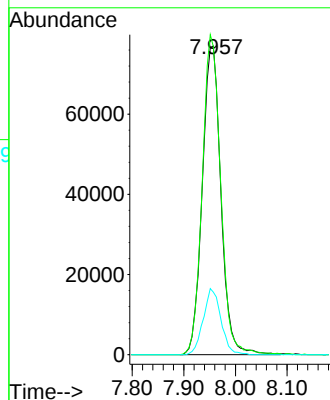
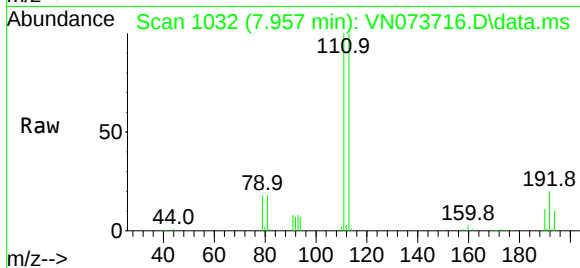
Tgt Ion:113 Resp: 193161

Ion Ratio Lower Upper

113 100

111 102.3 81.4 122.0

192 20.3 17.0 25.6



#37

Ethyl Acetate

Concen: 5.017 ug/l

RT: 7.345 min Scan# 928

Delta R.T. 0.006 min

Lab File: VN073716.D

Acq: 03 Aug 2022 17:03

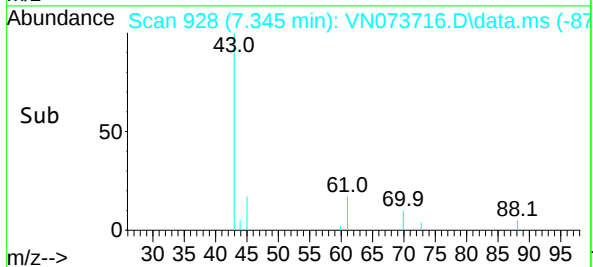
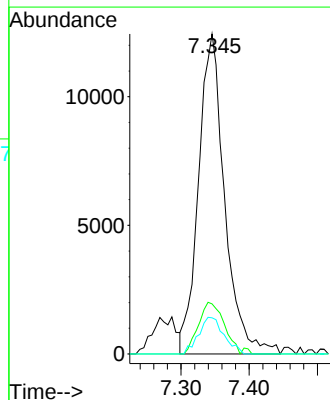
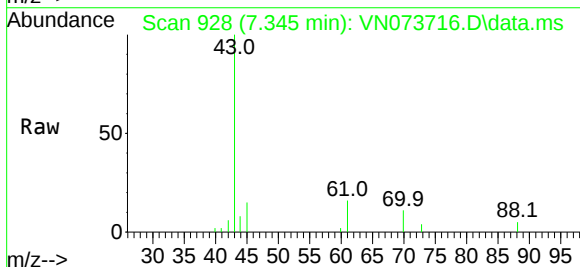
Tgt Ion: 43 Resp: 33195

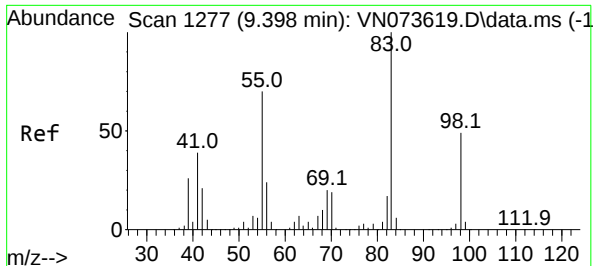
Ion Ratio Lower Upper

43 100

61 16.2 11.8 17.6

70 11.0 9.3 13.9





#39

Methylcyclohexane

Concen: 1.067 ug/l

RT: 9.392 min Scan# 1106

Delta R.T. -0.006 min

Lab File: VN073716.D

Acq: 03 Aug 2022 17:03

Instrument :

MSVOA_N

ClientSampleId :

SPN-8

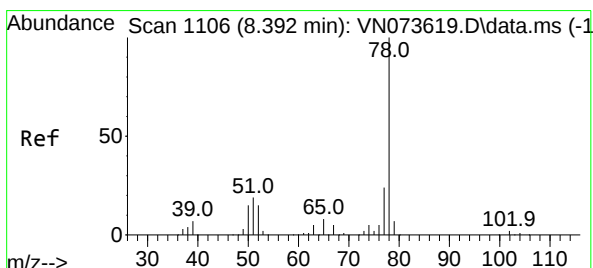
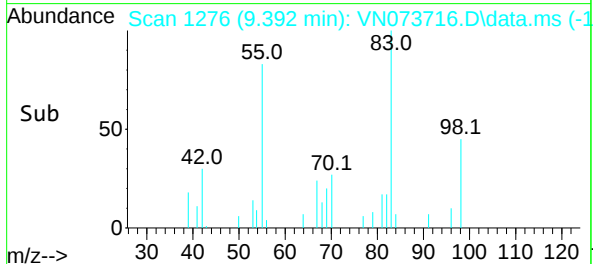
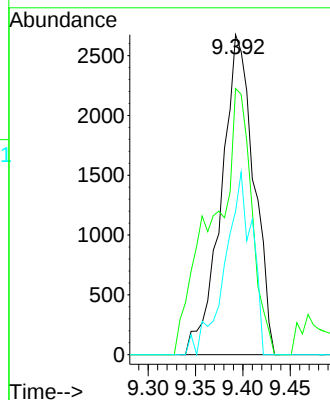
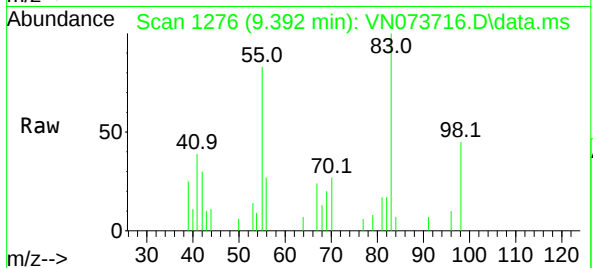
Tgt Ion: 83 Resp: 6409

Ion Ratio Lower Upper

83 100

55 83.2 57.8 86.8

98 44.8 39.4 59.2



#40

Benzene

Concen: 4.286 ug/l

RT: 8.392 min Scan# 1106

Delta R.T. 0.000 min

Lab File: VN073716.D

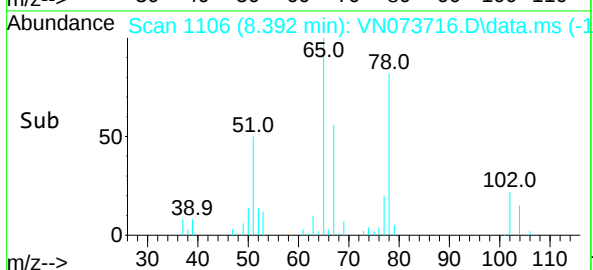
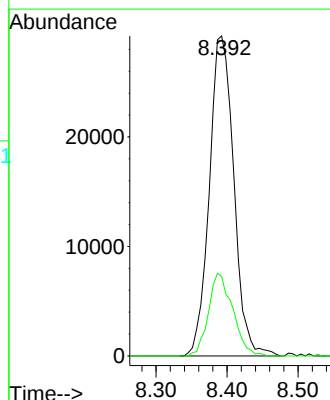
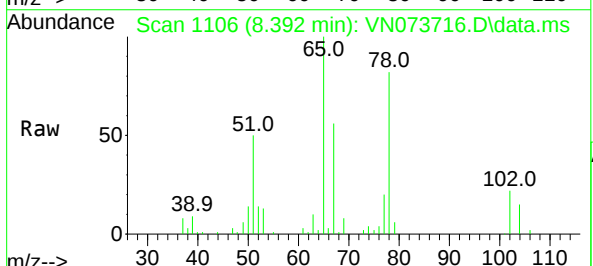
Acq: 03 Aug 2022 17:03

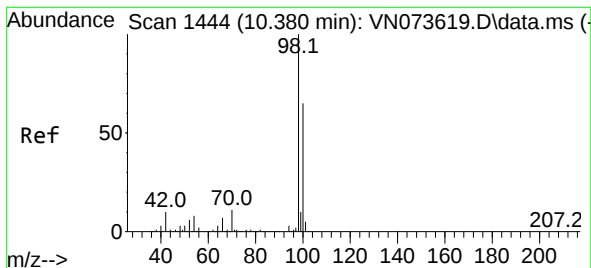
Tgt Ion: 78 Resp: 69922

Ion Ratio Lower Upper

78 100

77 24.9 19.4 29.0





#50

Toluene-d8

Concen: 46.447 ug/l

RT: 10.380 min Scan# 1444

Delta R.T. 0.000 min

Lab File: VN073716.D

Acq: 03 Aug 2022 17:03

Instrument :

MSVOA_N

ClientSampleId :

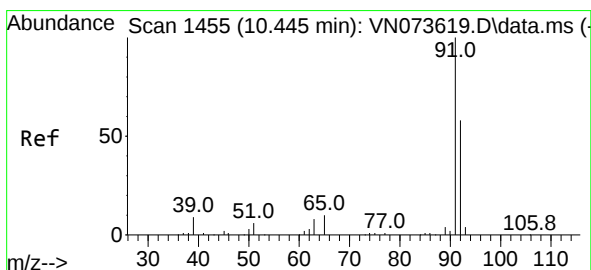
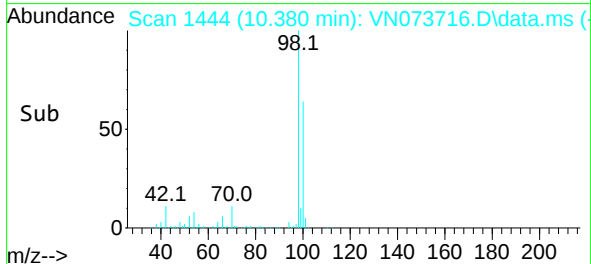
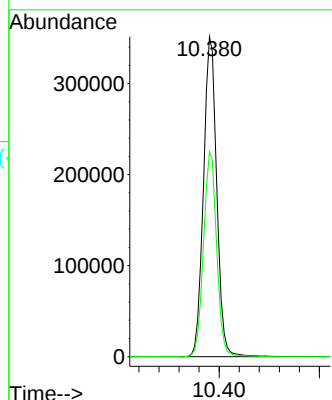
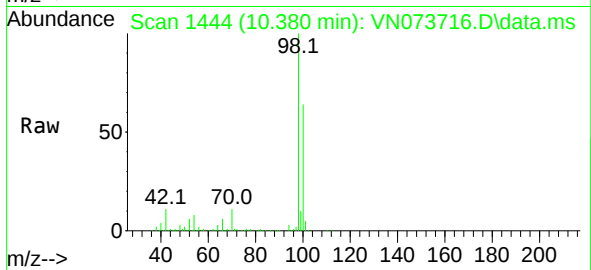
SPN-8

Tgt Ion: 98 Resp: 644327

Ion Ratio Lower Upper

98 100

100 63.7 52.6 78.8



#52

Toluene

Concen: 0.807 ug/l

RT: 10.445 min Scan# 1455

Delta R.T. 0.000 min

Lab File: VN073716.D

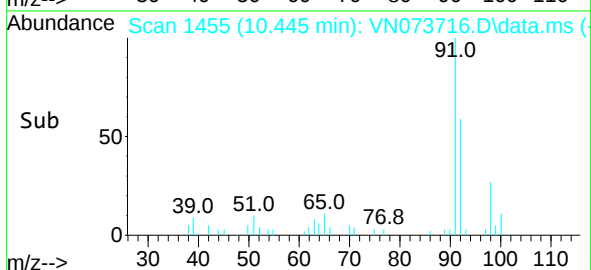
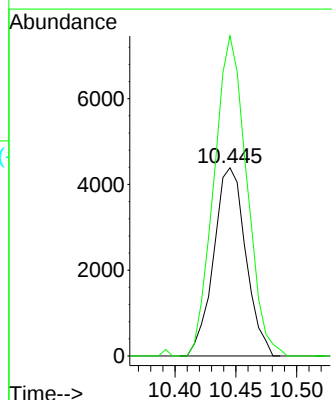
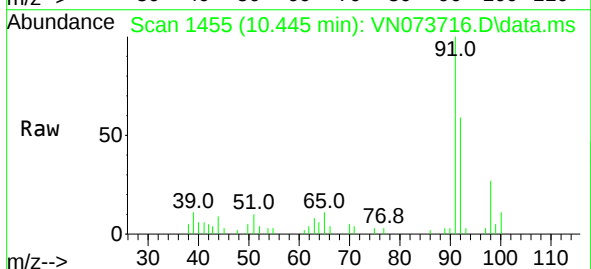
Acq: 03 Aug 2022 17:03

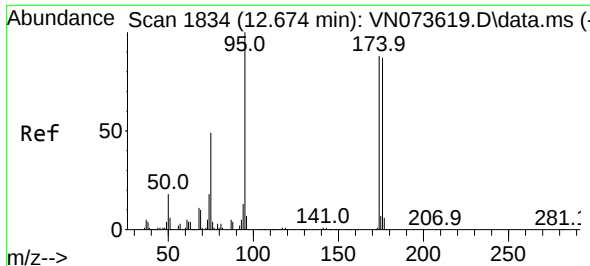
Tgt Ion: 92 Resp: 8046

Ion Ratio Lower Upper

92 100

91 173.4 138.6 207.8

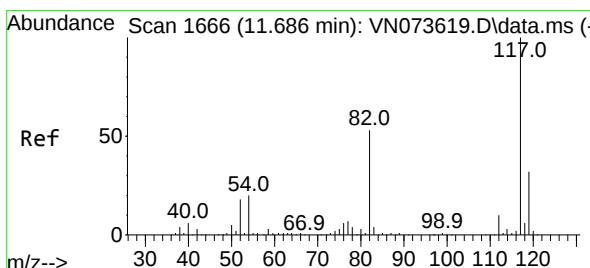
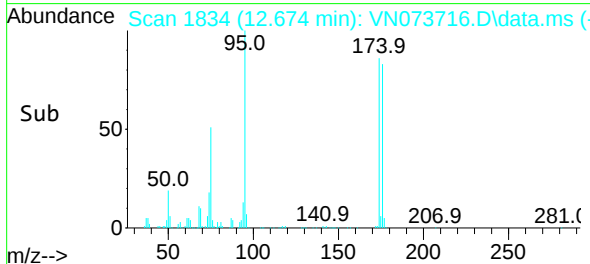
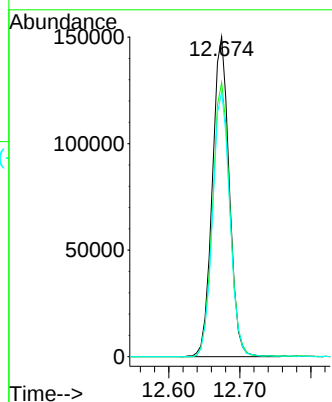
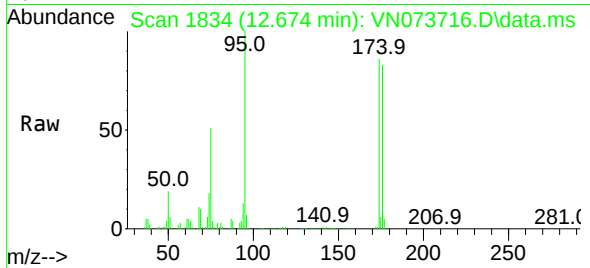




#62
4-Bromofluorobenzene
Concen: 52.854 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN073716.D
Acq: 03 Aug 2022 17:03

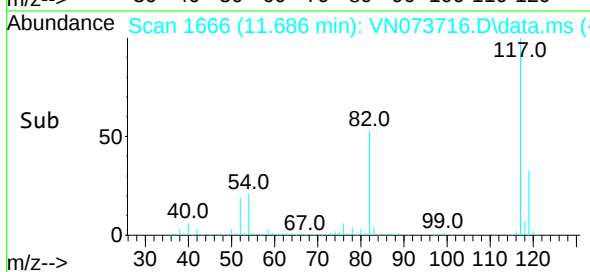
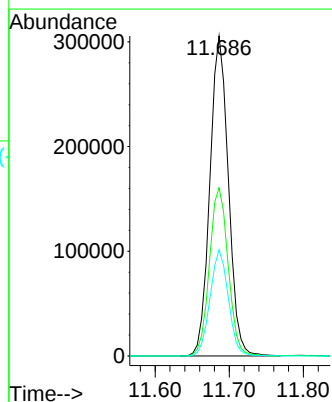
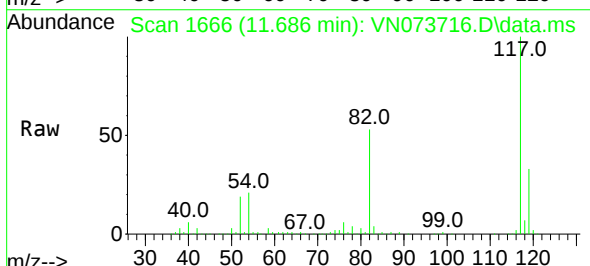
Instrument :
MSVOA_N
ClientSampleId :
SPN-8

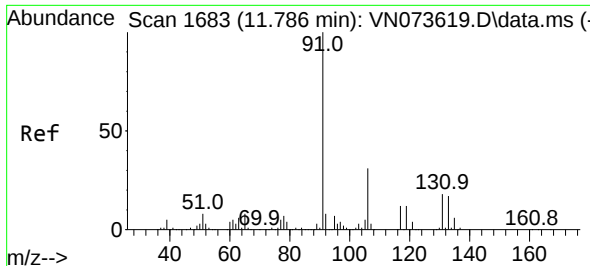
Tgt Ion: 95 Resp: 247676
Ion Ratio Lower Upper
95 100
174 87.7 0.0 167.6
176 84.2 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN073716.D
Acq: 03 Aug 2022 17:03

Tgt Ion: 117 Resp: 530719
Ion Ratio Lower Upper
117 100
82 52.6 44.2 66.2
119 33.2 25.4 38.0

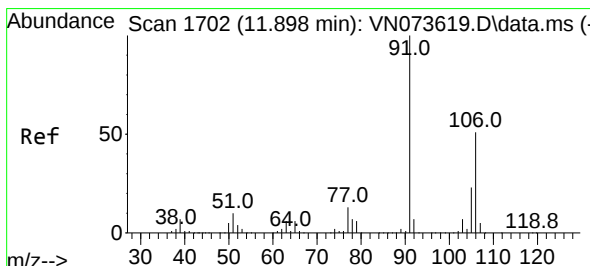
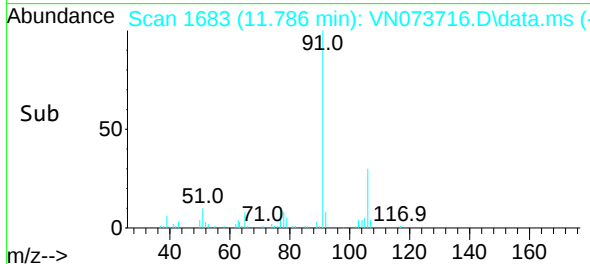
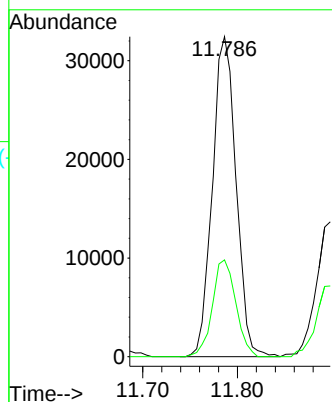
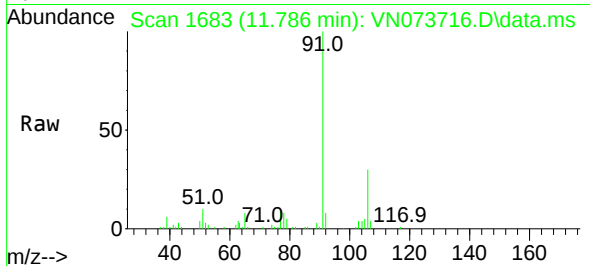




#67
Ethyl Benzene
Concen: 2.960 ug/l
RT: 11.786 min Scan# 1683
Delta R.T. 0.000 min
Lab File: VN073716.D
Acq: 03 Aug 2022 17:03

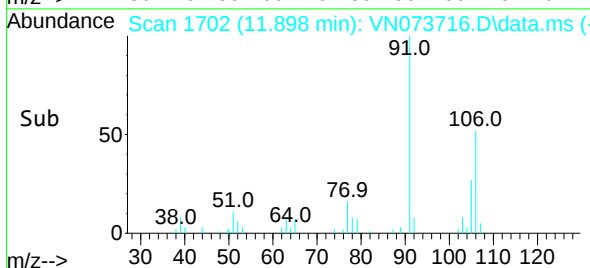
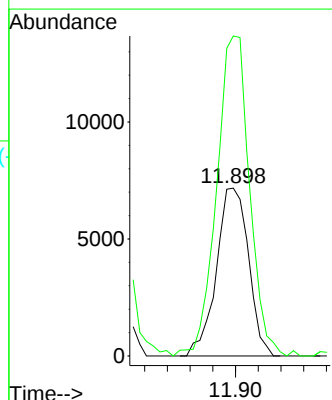
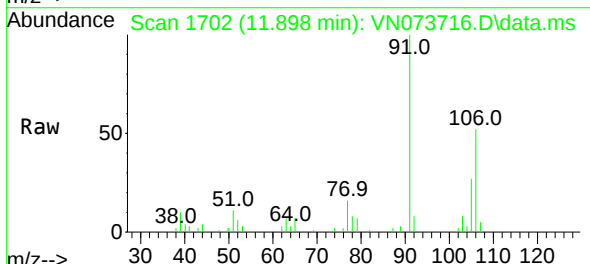
Instrument :
MSVOA_N
ClientSampleId :
SPN-8

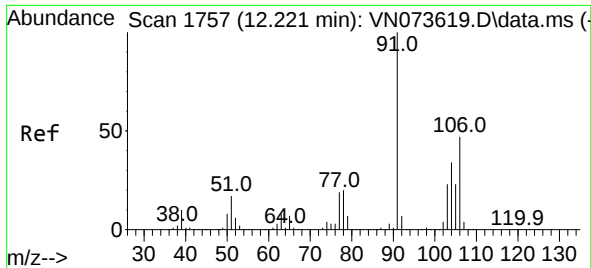
Tgt Ion: 91 Resp: 56300
Ion Ratio Lower Upper
91 100
106 30.2 24.9 37.3



#68
m/p-Xylenes
Concen: 1.943 ug/l
RT: 11.898 min Scan# 1702
Delta R.T. 0.000 min
Lab File: VN073716.D
Acq: 03 Aug 2022 17:03

Tgt Ion: 106 Resp: 14092
Ion Ratio Lower Upper
106 100
91 194.5 158.9 238.3

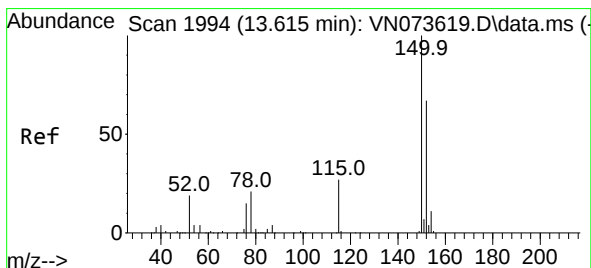
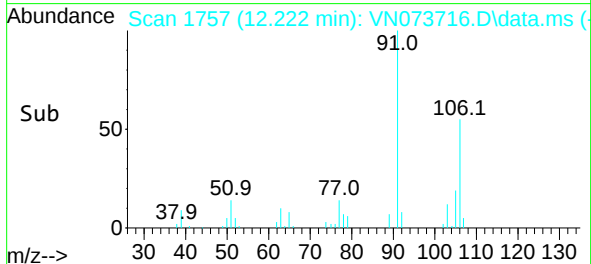
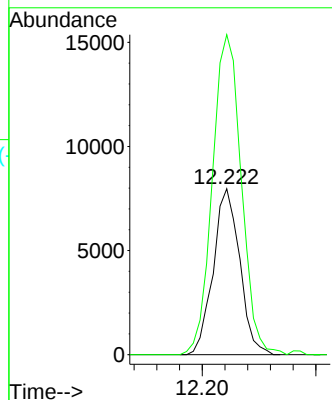
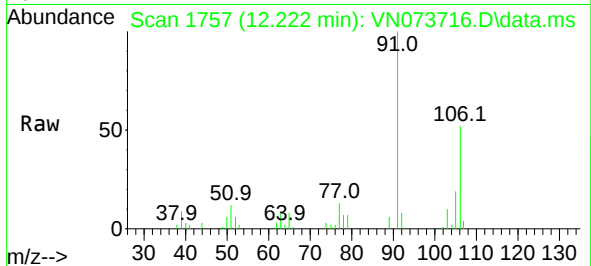




#69
o-Xylene
Concen: 1.826 ug/l
RT: 12.222 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN073716.D
Acq: 03 Aug 2022 17:03

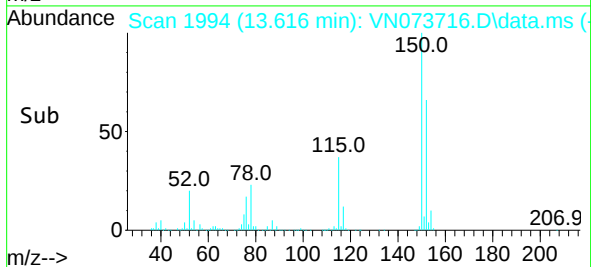
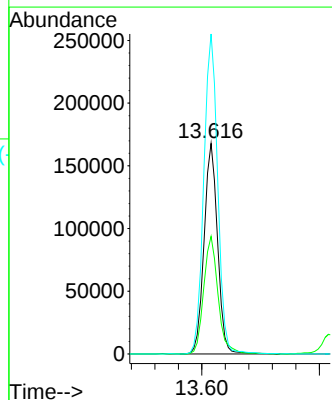
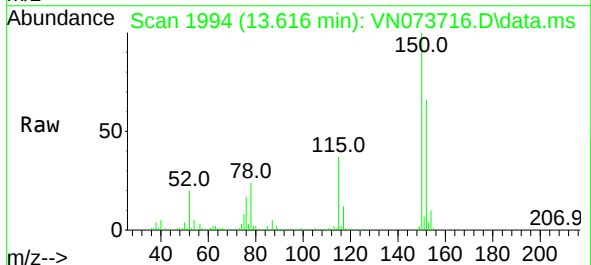
Instrument :
MSVOA_N
ClientSampleId :
SPN-8

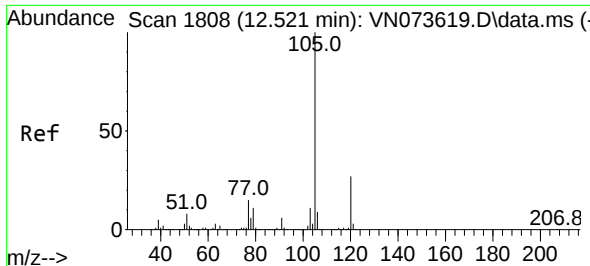
Tgt Ion:106 Resp: 12912
Ion Ratio Lower Upper
106 100
91 210.5 106.0 318.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.616 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VN073716.D
Acq: 03 Aug 2022 17:03

Tgt Ion:152 Resp: 267235
Ion Ratio Lower Upper
152 100
115 59.6 28.9 86.7
150 156.6 0.0 356.2

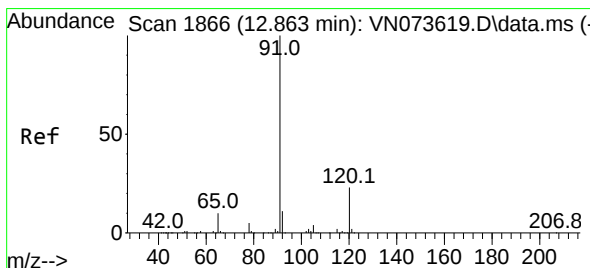
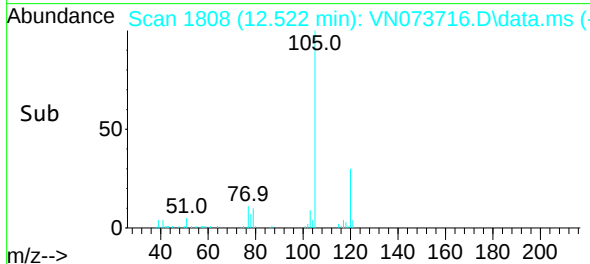
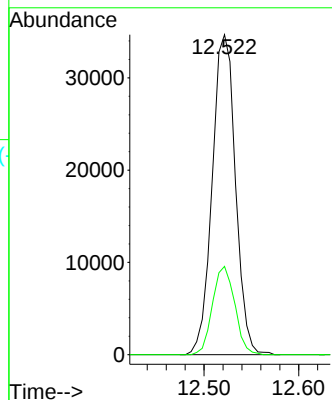
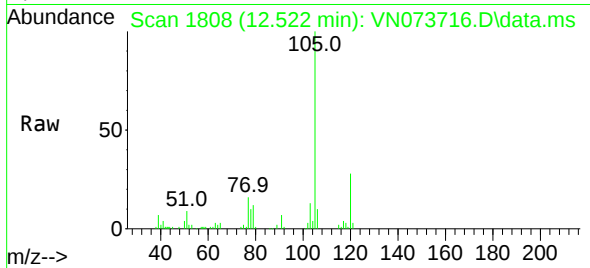




#73
Isopropylbenzene
Concen: 3.030 ug/l
RT: 12.522 min Scan# 1808
Delta R.T. 0.000 min
Lab File: VN073716.D
Acq: 03 Aug 2022 17:03

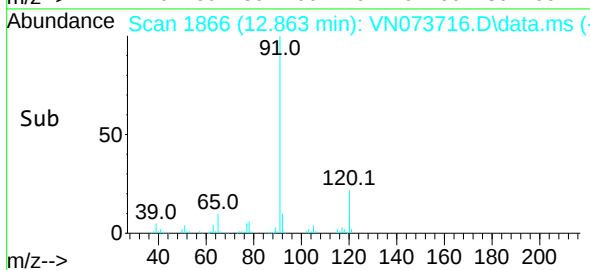
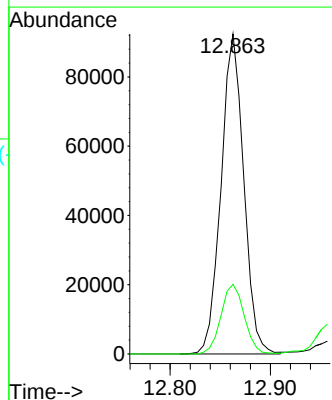
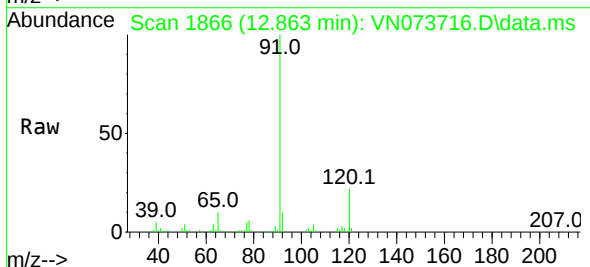
Instrument :
MSVOA_N
ClientSampleId :
SPN-8

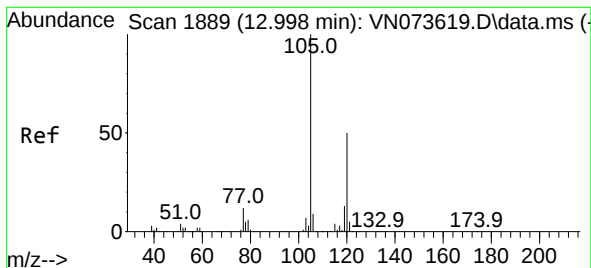
Tgt Ion:105 Resp: 59270
Ion Ratio Lower Upper
105 100
120 26.3 13.5 40.4



#78
n-propylbenzene
Concen: 6.588 ug/l
RT: 12.863 min Scan# 1866
Delta R.T. 0.000 min
Lab File: VN073716.D
Acq: 03 Aug 2022 17:03

Tgt Ion: 91 Resp: 145009
Ion Ratio Lower Upper
91 100
120 22.3 11.9 35.5





#80

1,3,5-Trimethylbenzene

Concen: 0.430 ug/l

RT: 12.998 min Scan# 1889

Delta R.T. 0.000 min

Lab File: VN073716.D

Acq: 03 Aug 2022 17:03

Instrument :

MSVOA_N

ClientSampleId :

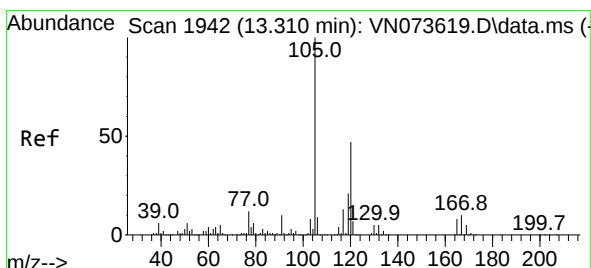
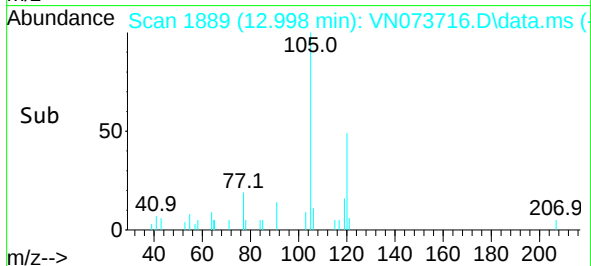
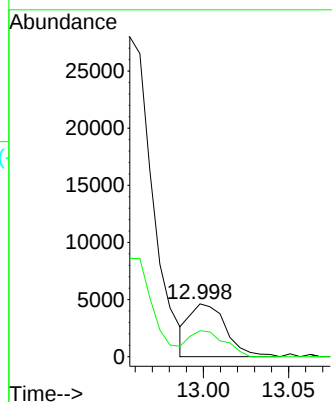
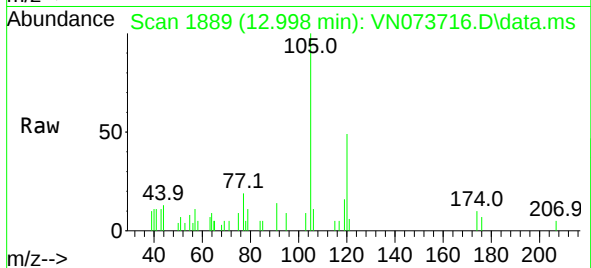
SPN-8

Tgt Ion:105 Resp: 6924

Ion Ratio Lower Upper

105 100

120 47.3 24.9 74.7



#84

1,2,4-Trimethylbenzene

Concen: 0.452 ug/l

RT: 13.310 min Scan# 1942

Delta R.T. 0.000 min

Lab File: VN073716.D

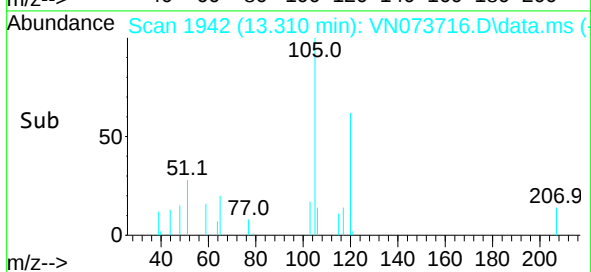
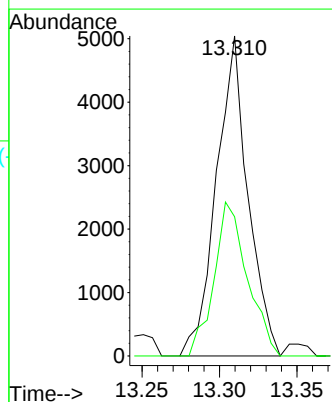
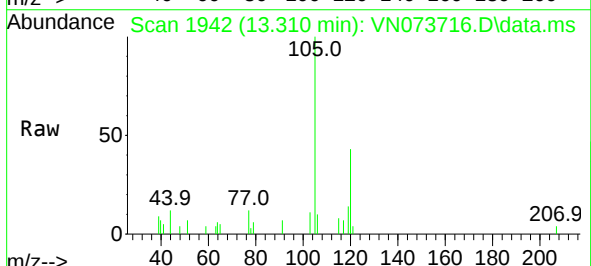
Acq: 03 Aug 2022 17:03

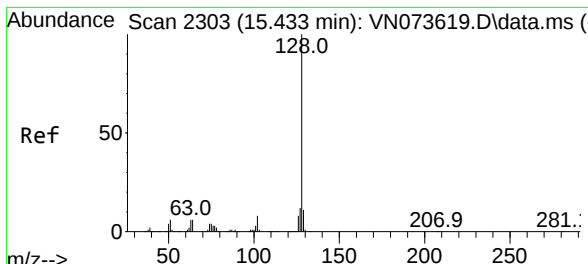
Tgt Ion:105 Resp: 7149

Ion Ratio Lower Upper

105 100

120 50.7 23.3 69.8





#95
 Naphthalene
 Concen: 1.264 ug/l
 RT: 15.433 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VN073716.D
 Acq: 03 Aug 2022 17:03

Instrument :
 MSVOA_N
 ClientSampleId :
 SPN-8

Tgt Ion:	128	Resp:	19191
Ion	Ratio	Lower	Upper
128	100		
127	12.0	10.3	15.5
129	9.4	8.6	13.0

