

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080322\
 Data File : VN073717.D
 Acq On : 03 Aug 2022 17:28
 Operator : JC\MD
 Sample : N3972-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SPN-9

Quant Time: Aug 04 05:36:32 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	8.016	168	355960	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	575082	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	556275	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	264824	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.375	65	216121	49.821	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	99.640%
35) Dibromofluoromethane	7.951	113	196445	54.400	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	108.800%
50) Toluene-d8	10.380	98	654532	46.060	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	92.120%
62) 4-Bromofluorobenzene	12.674	95	248724	51.988	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	103.980%

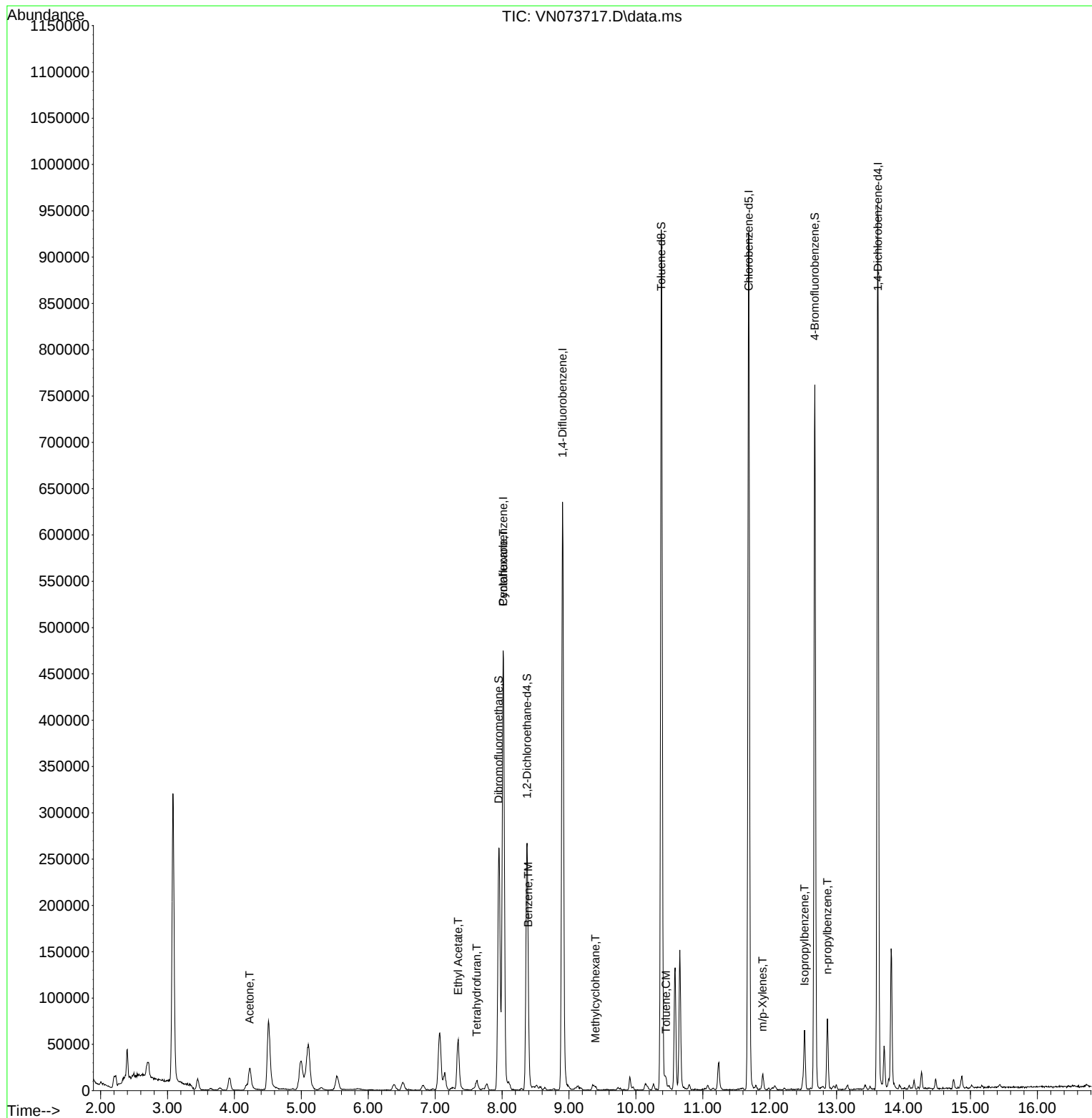
Target Compounds						Qvalue
16) Acetone	4.228	43	45598	19.570	ug/l	99
29) Tetrahydrofuran	7.622	42	7358	3.216	ug/l	94
31) Cyclohexane	8.016	56	23129	3.581	ug/l #	68
37) Ethyl Acetate	7.345	43	86456	12.755	ug/l	99
39) Methylcyclohexane	9.398	83	2163	0.352	ug/l	91
40) Benzene	8.392	78	21894	1.310	ug/l	96
52) Toluene	10.451	92	4587	0.449	ug/l	99
68) m/p-Xylenes	11.892	106	5107	0.672	ug/l	97
73) Isopropylbenzene	12.522	105	38264	1.974	ug/l	100
78) n-propylbenzene	12.863	91	60685	2.782	ug/l	97

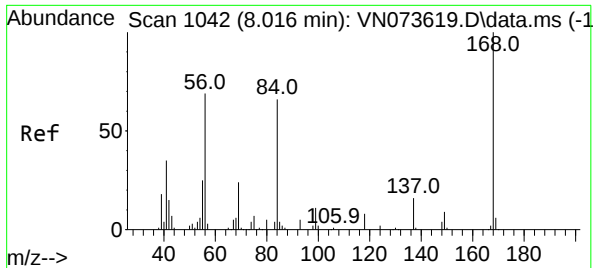
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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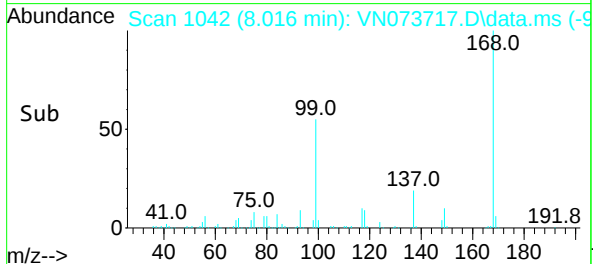
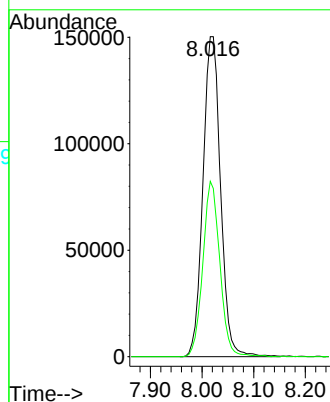
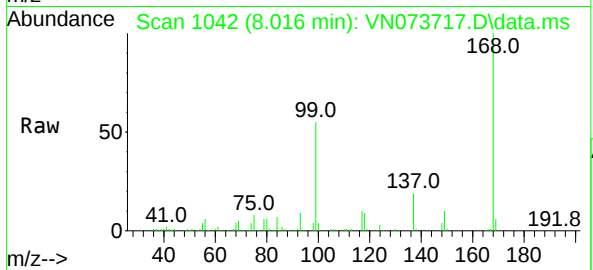




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN073717.D
Acq: 03 Aug 2022 17:28

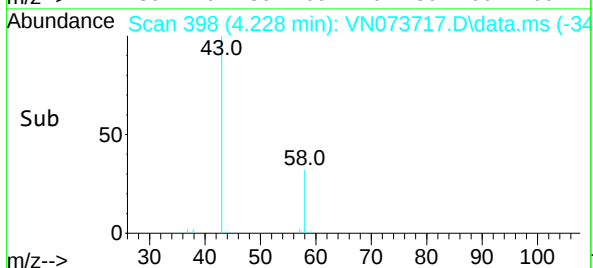
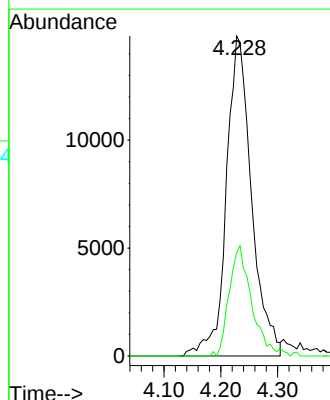
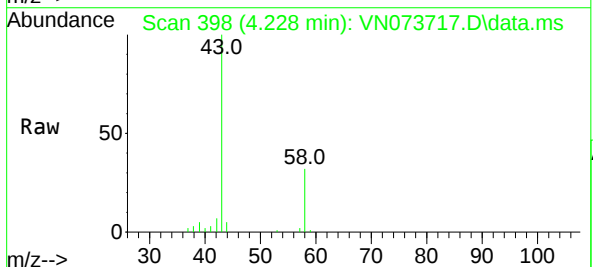
Instrument :
MSVOA_N
ClientSampleId :
SPN-9

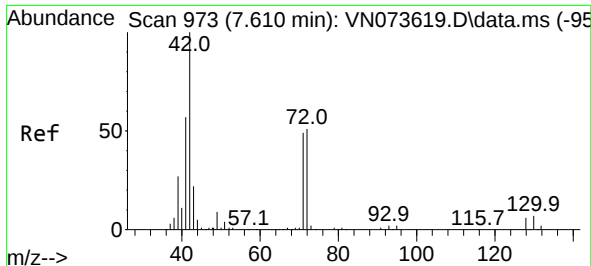
Tgt Ion:168 Resp: 355960
Ion Ratio Lower Upper
168 100
99 54.8 42.3 63.5



#16
Acetone
Concen: 19.570 ug/l
RT: 4.228 min Scan# 398
Delta R.T. 0.006 min
Lab File: VN073717.D
Acq: 03 Aug 2022 17:28

Tgt Ion: 43 Resp: 45598
Ion Ratio Lower Upper
43 100
58 32.1 26.0 39.0





#29

Tetrahydrofuran

Concen: 3.216 ug/l

RT: 7.622 min Scan# 91

Delta R.T. 0.012 min

Lab File: VN073717.D

Acq: 03 Aug 2022 17:28

Instrument :

MSVOA_N

ClientSampleId :

SPN-9

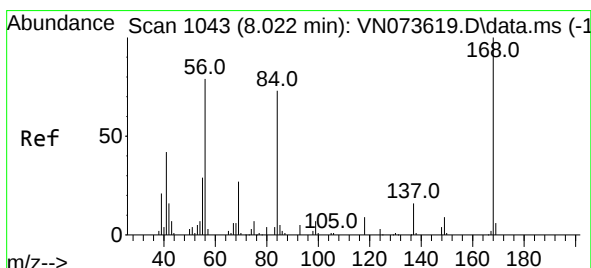
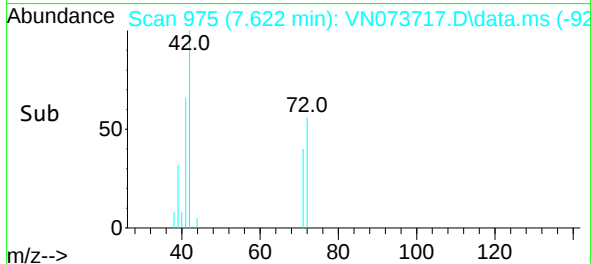
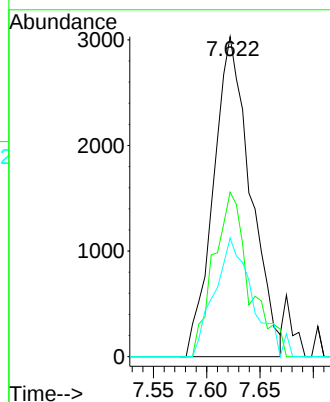
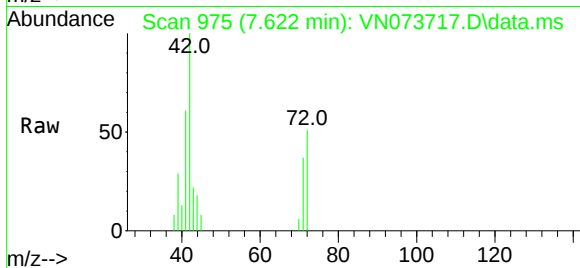
Tgt Ion: 42 Resp: 7358

Ion Ratio Lower Upper

42 100

72 49.8 39.7 59.5

71 38.1 36.6 55.0



#31

Cyclohexane

Concen: 3.581 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.006 min

Lab File: VN073717.D

Acq: 03 Aug 2022 17:28

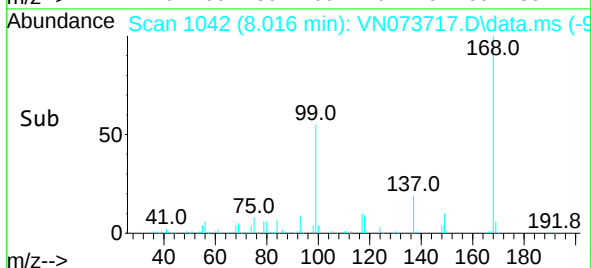
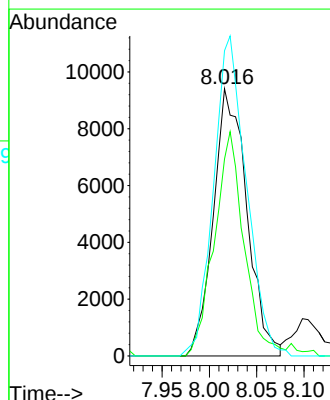
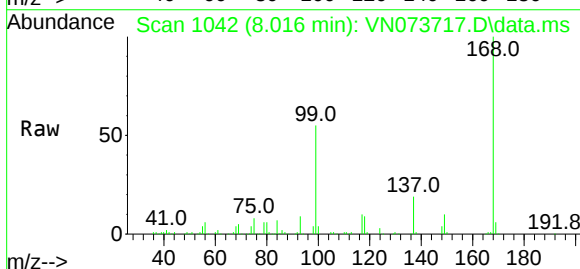
Tgt Ion: 56 Resp: 23129

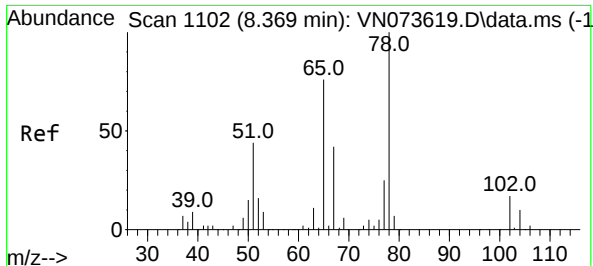
Ion Ratio Lower Upper

56 100

69 73.7 27.8 41.8#

84 114.3 76.9 115.3





#33

1,2-Dichloroethane-d4

Concen: 49.821 ug/l

RT: 8.375 min Scan# 1103

Delta R.T. 0.006 min

Lab File: VN073717.D

Acq: 03 Aug 2022 17:28

Instrument :

MSVOA_N

ClientSampleId :

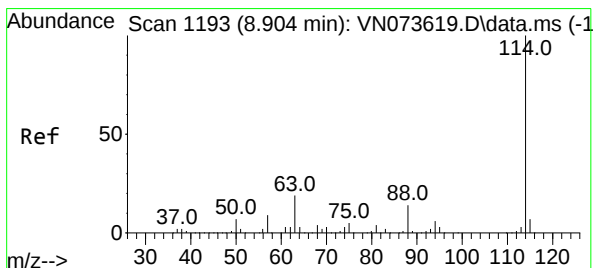
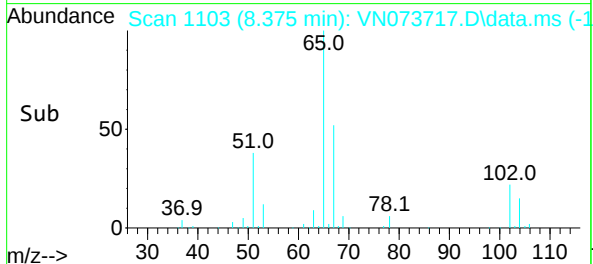
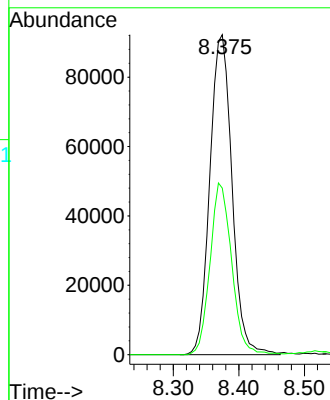
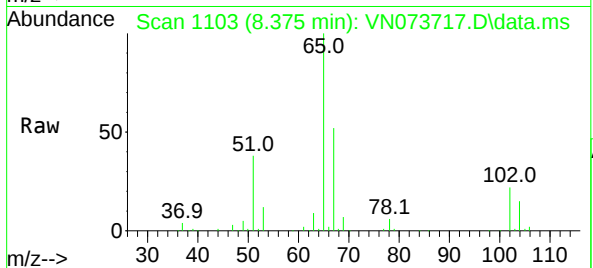
SPN-9

Tgt Ion: 65 Resp: 216121

Ion Ratio Lower Upper

65 100

67 52.5 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: VN073717.D

Acq: 03 Aug 2022 17:28

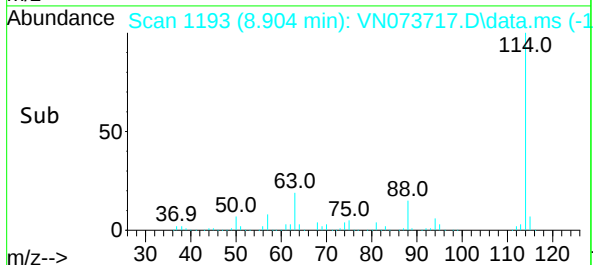
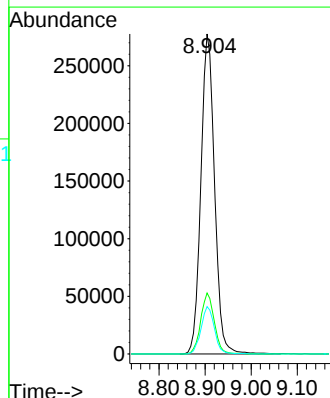
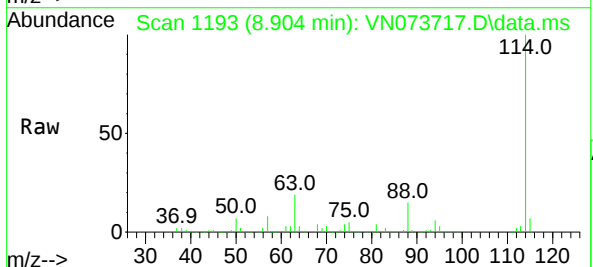
Tgt Ion: 114 Resp: 575082

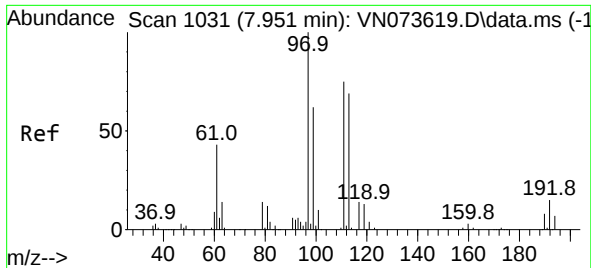
Ion Ratio Lower Upper

114 100

63 19.0 0.0 40.0

88 14.8 0.0 32.6

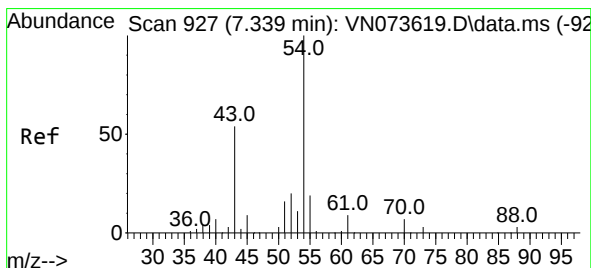
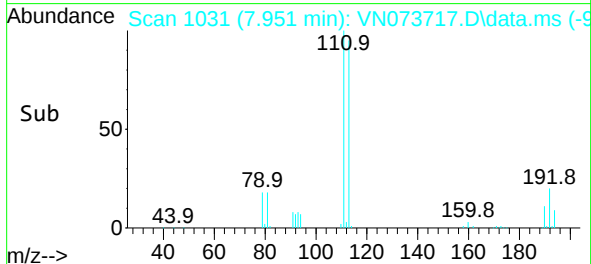
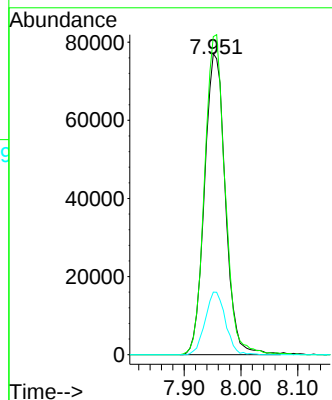
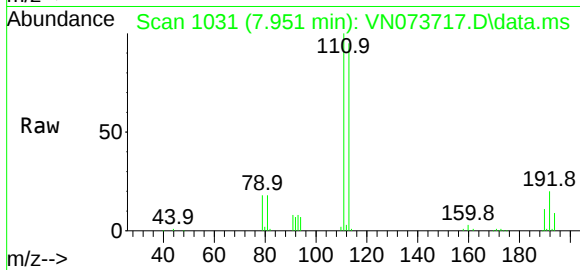




#35
Dibromofluoromethane
Concen: 54.400 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VN073717.D
Acq: 03 Aug 2022 17:28

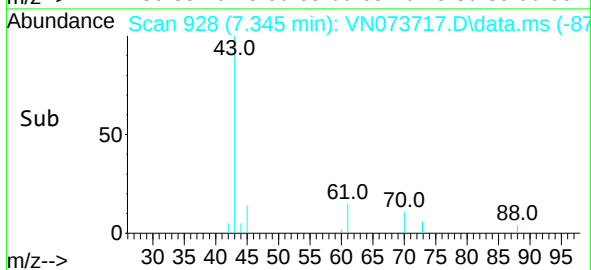
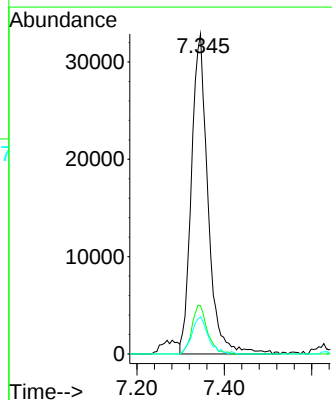
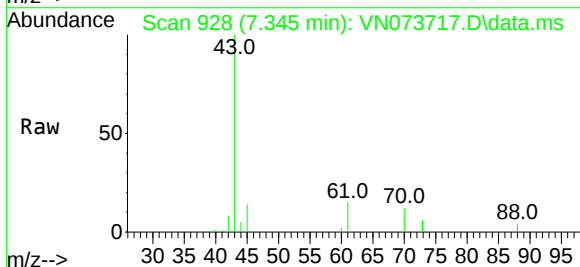
Instrument :
MSVOA_N
ClientSampleId :
SPN-9

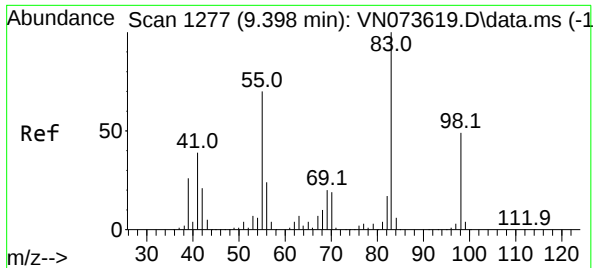
Tgt Ion:113 Resp: 196445
Ion Ratio Lower Upper
113 100
111 104.2 81.4 122.0
192 20.2 17.0 25.6



#37
Ethyl Acetate
Concen: 12.755 ug/l
RT: 7.345 min Scan# 928
Delta R.T. 0.006 min
Lab File: VN073717.D
Acq: 03 Aug 2022 17:28

Tgt Ion: 43 Resp: 86456
Ion Ratio Lower Upper
43 100
61 14.1 11.8 17.6
70 11.3 9.3 13.9





#39

Methylcyclohexane

Concen: 0.352 ug/l

RT: 9.398 min Scan# 1106

Delta R.T. 0.000 min

Lab File: VN073717.D

Acq: 03 Aug 2022 17:28

Instrument :

MSVOA_N

ClientSampleId :

SPN-9

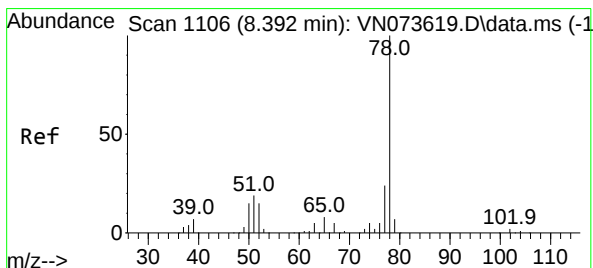
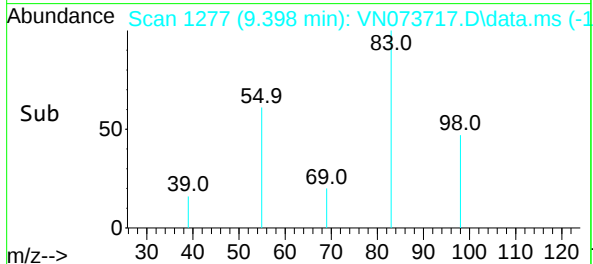
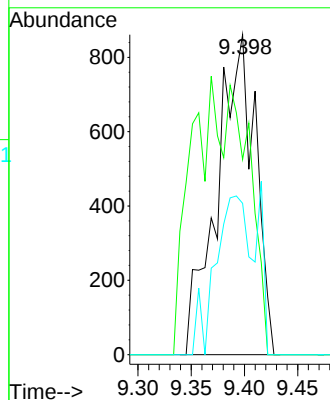
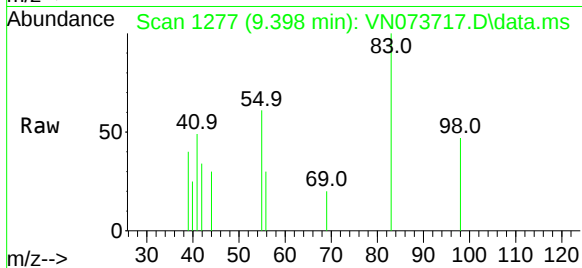
Tgt Ion: 83 Resp: 2163

Ion Ratio Lower Upper

83 100

55 61.0 57.8 86.8

98 47.3 39.4 59.2



#40

Benzene

Concen: 1.310 ug/l

RT: 8.392 min Scan# 1106

Delta R.T. 0.000 min

Lab File: VN073717.D

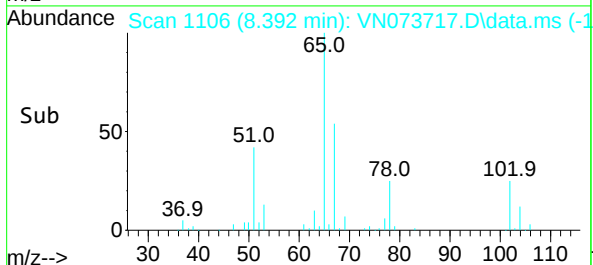
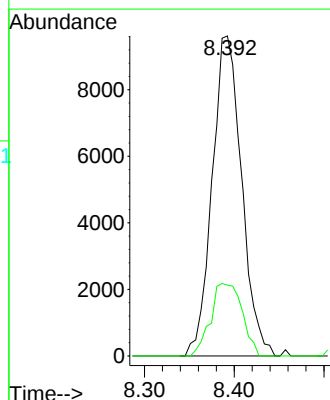
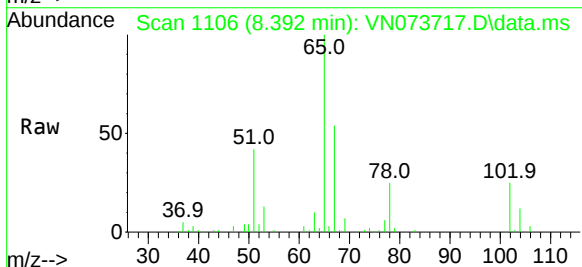
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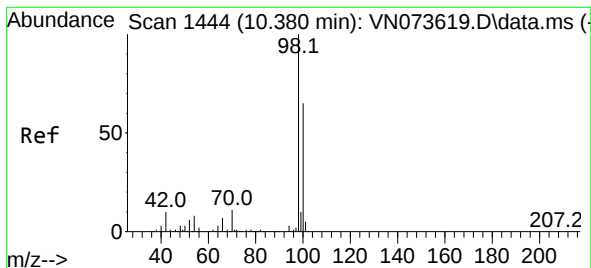
Tgt Ion: 78 Resp: 21894

Ion Ratio Lower Upper

78 100

77 22.2 19.4 29.0

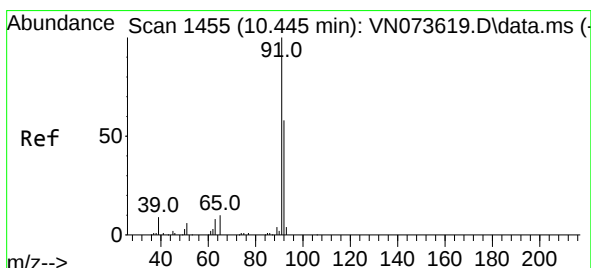
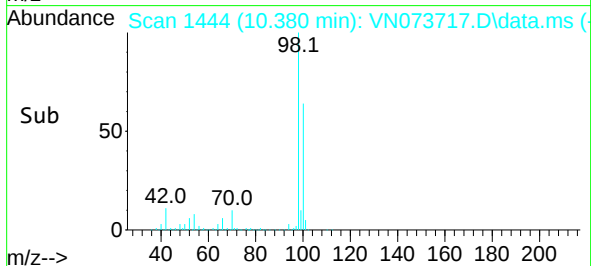
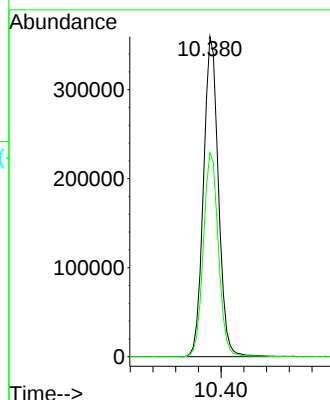
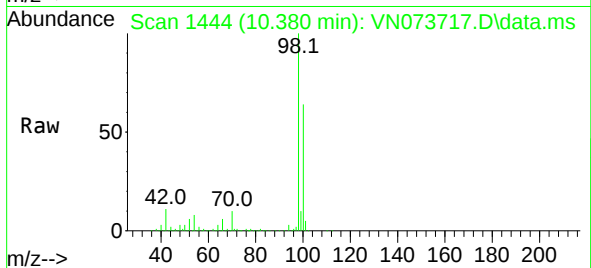




#50
Toluene-d8
Concen: 46.060 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN073717.D
Acq: 03 Aug 2022 17:28

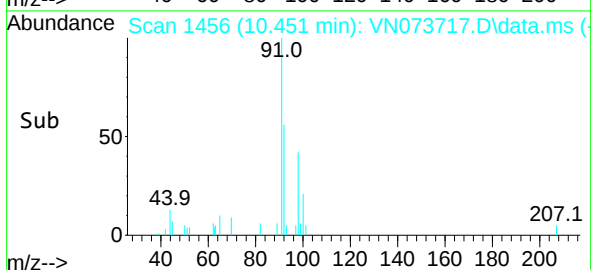
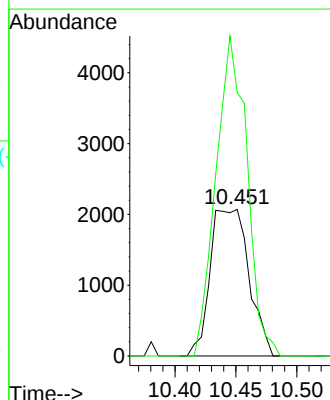
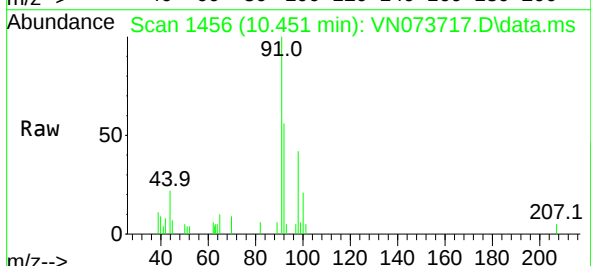
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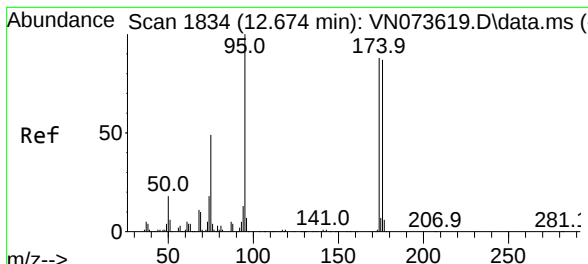
Tgt Ion: 98 Resp: 654532
Ion Ratio Lower Upper
98 100
100 64.3 52.6 78.8



#52
Toluene
Concen: 0.449 ug/l
RT: 10.451 min Scan# 1456
Delta R.T. 0.006 min
Lab File: VN073717.D
Acq: 03 Aug 2022 17:28

Tgt Ion: 92 Resp: 4587
Ion Ratio Lower Upper
92 100
91 175.0 138.6 207.8



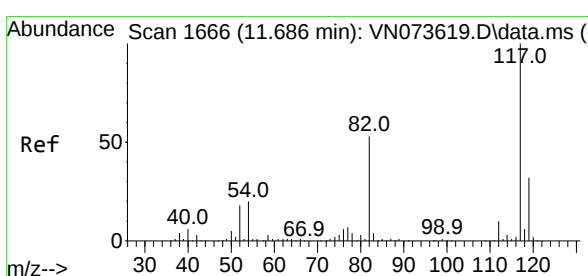
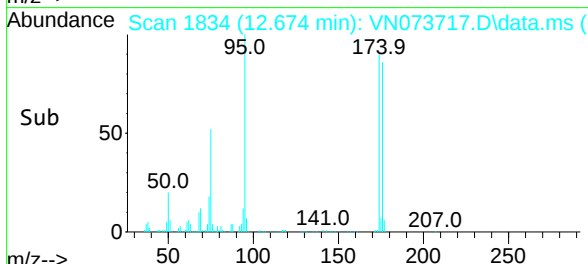
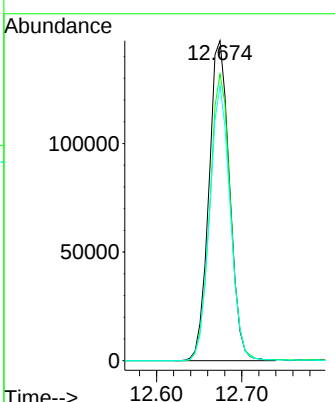
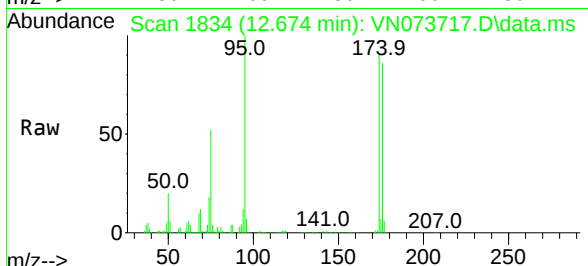


#62
 4-Bromofluorobenzene
 Concen: 51.988 ug/l
 RT: 12.674 min Scan# 1834
 Delta R.T. 0.000 min
 Lab File: VN073717.D
 Acq: 03 Aug 2022 17:28

Instrument :
 MSVOA_N
 ClientSampleId :
 SPN-9

Tgt Ion: 95 Resp: 248724

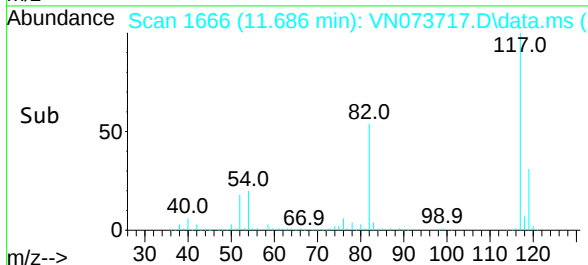
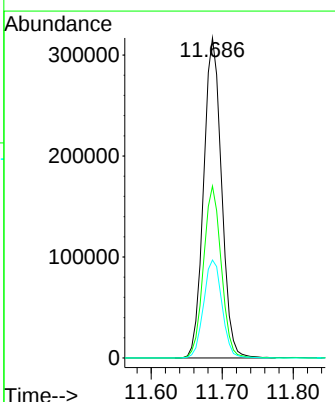
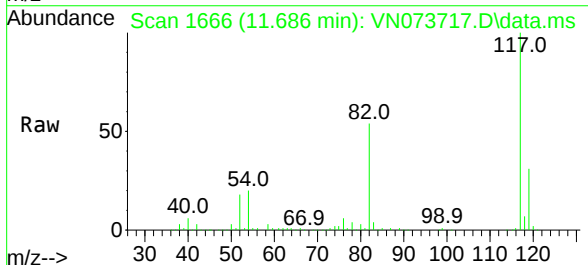
Ion	Ratio	Lower	Upper
95	100		
174	89.4	0.0	167.6
176	85.3	0.0	163.4

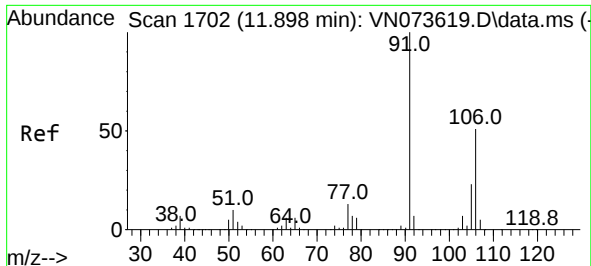


#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.686 min Scan# 1666
 Delta R.T. 0.000 min
 Lab File: VN073717.D
 Acq: 03 Aug 2022 17:28

Tgt Ion: 117 Resp: 556275

Ion	Ratio	Lower	Upper
117	100		
82	53.7	44.2	66.2
119	30.6	25.4	38.0

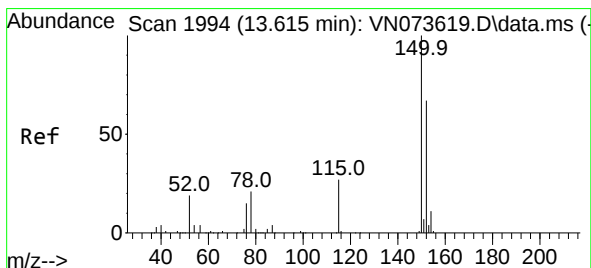
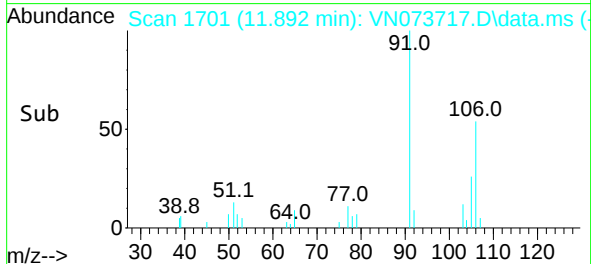
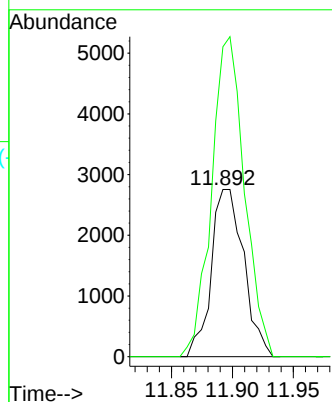
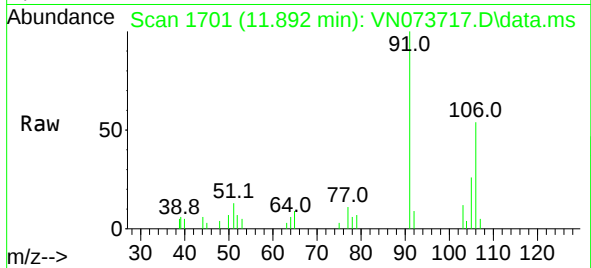




#68
m/p-Xylenes
Concen: 0.672 ug/l
RT: 11.892 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN073717.D
Acq: 03 Aug 2022 17:28

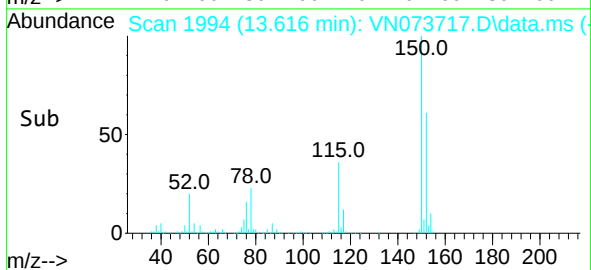
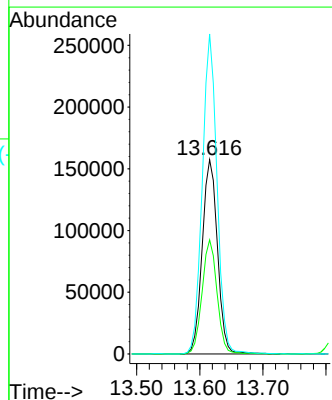
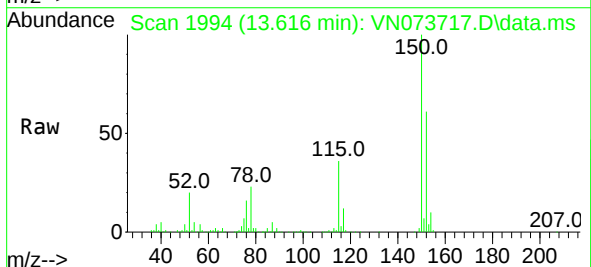
Instrument :
MSVOA_N
ClientSampleId :
SPN-9

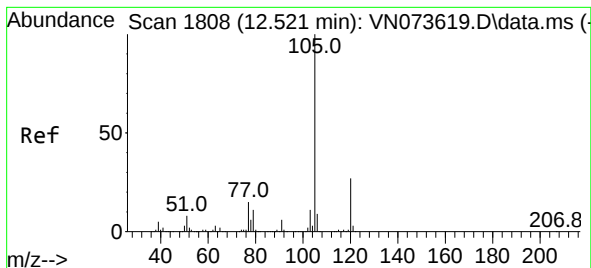
Tgt Ion:106 Resp: 5107
Ion Ratio Lower Upper
106 100
91 194.1 158.9 238.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.616 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VN073717.D
Acq: 03 Aug 2022 17:28

Tgt Ion:152 Resp: 264824
Ion Ratio Lower Upper
152 100
115 57.5 28.9 86.7
150 158.8 0.0 356.2





#73

Isopropylbenzene

Concen: 1.974 ug/l

RT: 12.522 min Scan# 1808

Delta R.T. 0.000 min

Lab File: VN073717.D

Acq: 03 Aug 2022 17:28

Instrument :

MSVOA_N

ClientSampleId :

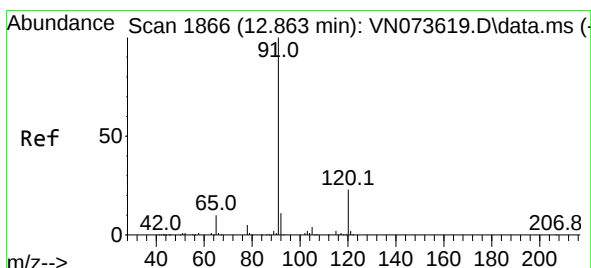
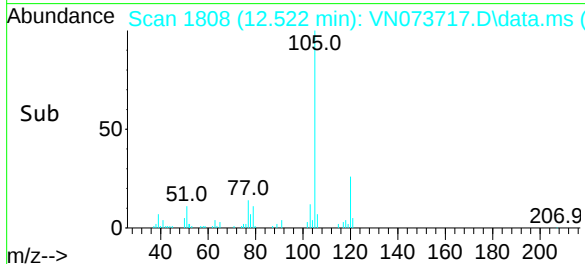
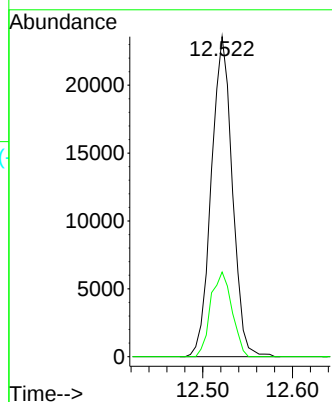
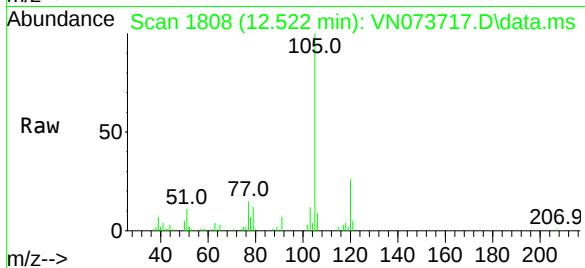
SPN-9

Tgt Ion:105 Resp: 38264

Ion Ratio Lower Upper

105 100

120 26.7 13.5 40.4



#78

n-propylbenzene

Concen: 2.782 ug/l

RT: 12.863 min Scan# 1866

Delta R.T. 0.000 min

Lab File: VN073717.D

Acq: 03 Aug 2022 17:28

Tgt Ion: 91 Resp: 60685

Ion Ratio Lower Upper

91 100

120 22.0 11.9 35.5

