

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090122\
 Data File : VN074265.D
 Acq On : 02 Sep 2022 01:17
 Operator : JC\MD
 Sample : N4376-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 02 05:44:07 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)

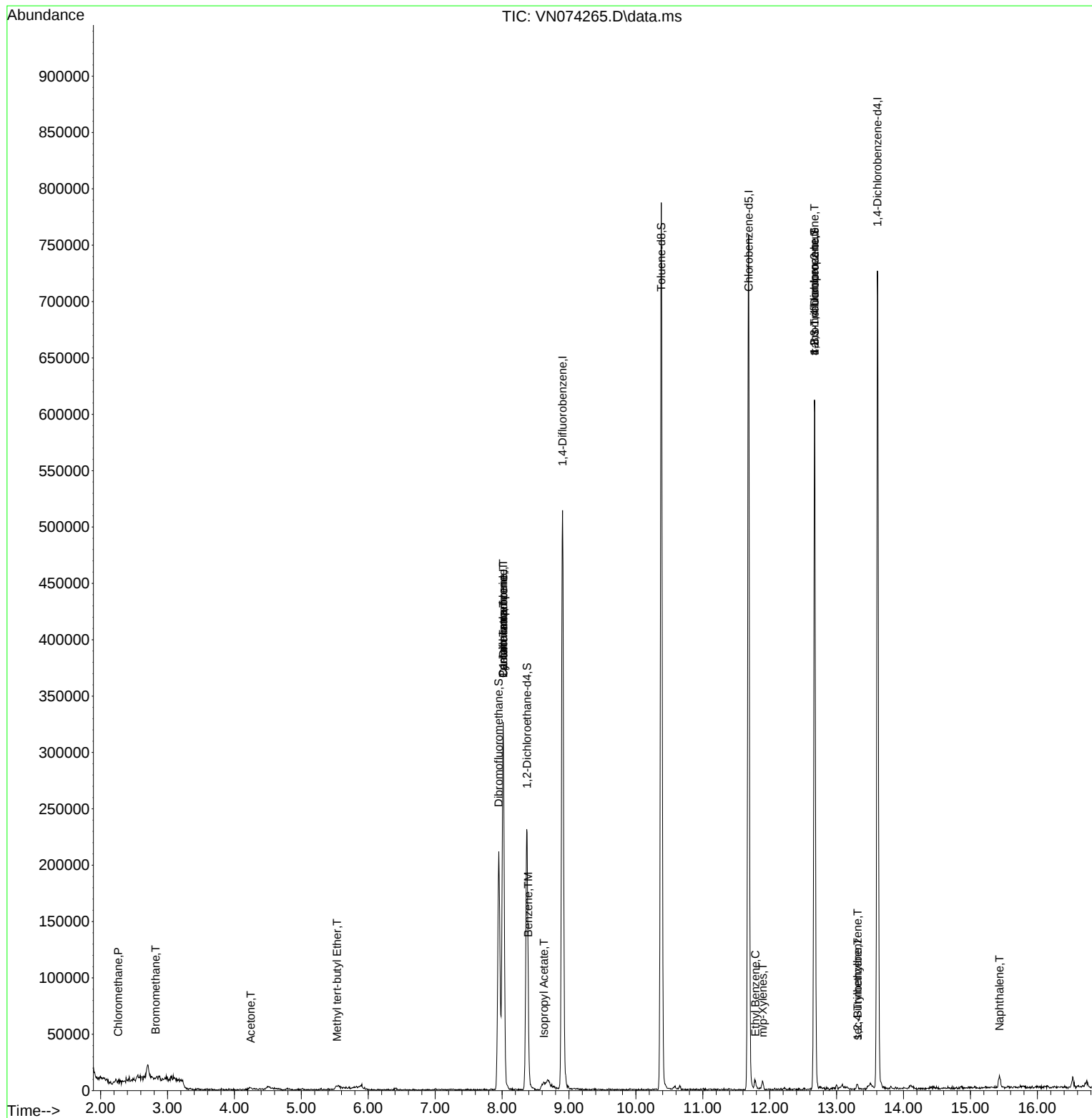
Internal Standards						
1) Pentafluorobenzene	8.016	168	233280	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	437585	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	406280	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	174950	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.375	65	174289	48.163	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	96.320%
35) Dibromofluoromethane	7.951	113	144525	50.756	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.520%
50) Toluene-d8	10.380	98	513504	45.793	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	91.580%
62) 4-Bromofluorobenzene	12.669	95	185235	54.319	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	108.640%
Target Compounds						
					Qvalue	
3) Chloromethane	2.263	50	980	0.288	ug/l #	43
5) Bromomethane	2.822	94	628	0.340	ug/l #	35
6) Chloroethane	2.963	64	843	Below Cal	#	63
11) Tert butyl alcohol	5.298	59	53	Below Cal	#	72
16) Acetone	4.246	43	3032	1.254	ug/l #	42
18) Methyl Acetate	4.775	43	939	Below Cal	#	61
19) Methyl tert-butyl Ether	5.534	73	4179	0.413	ug/l #	83
20) Methylene Chloride	5.016	84	675	Below Cal	#	46
31) Cyclohexane	8.016	56	7536	1.260	ug/l #	35
36) 1,1-Dichloropropene	8.016	75	22549	4.881	ug/l #	48
38) Carbon Tetrachloride	8.016	117	24729	5.894	ug/l #	16
40) Benzene	8.392	78	4025	0.277	ug/l	93
43) Isopropyl Acetate	8.628	43	7030	0.677	ug/l #	53
67) Ethyl Benzene	11.786	91	4420	0.269	ug/l #	81
68) m/p-Xylenes	11.898	106	2390	0.392	ug/l	84
76) 1,2,3-Trichloropropane	12.669	75	103971	23.818	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.669	75	103971	61.686	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.316	105	3129	0.266	ug/l	81
85) sec-Butylbenzene	13.316	105	3129	0.214	ug/l #	56
95) Naphthalene	15.433	128	10778	1.944	ug/l #	95

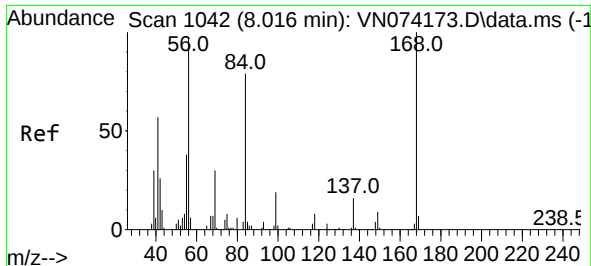
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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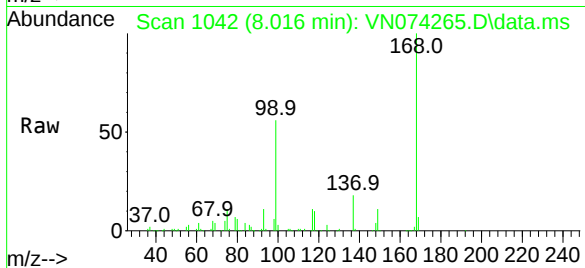
Quant Time: Sep 02 05:44:07 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N083022W.M
Quant Title : SW846 8260
QLast Update : Wed Aug 31 07:02:40 2022
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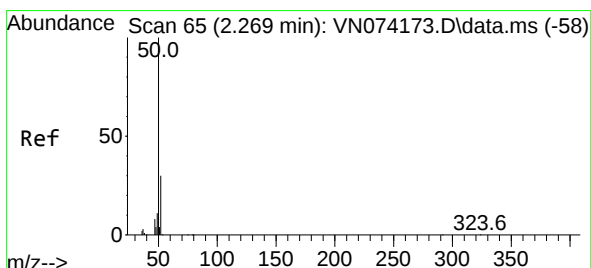
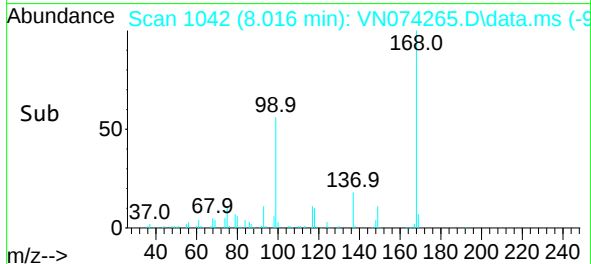
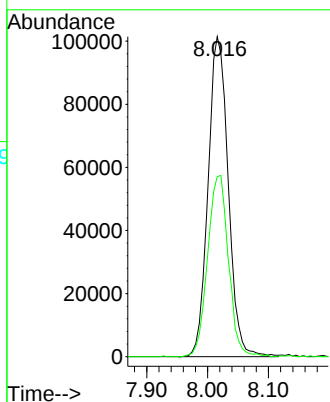


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN074265.D
Acq: 02 Sep 2022 01:17

Instrument :
MSVOA_N
ClientSampleId :

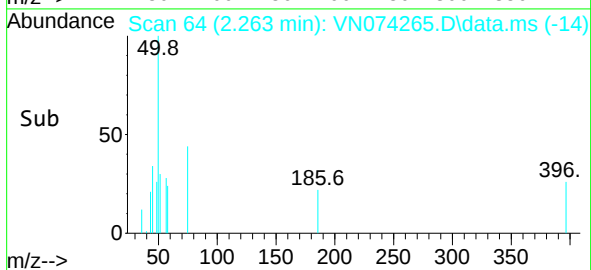
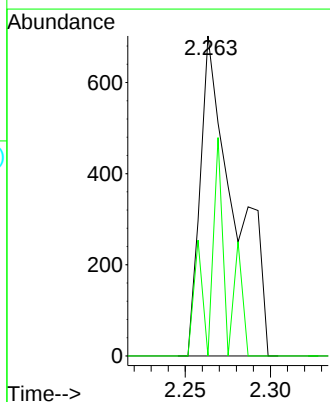
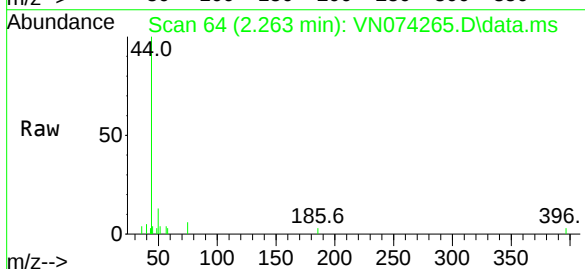


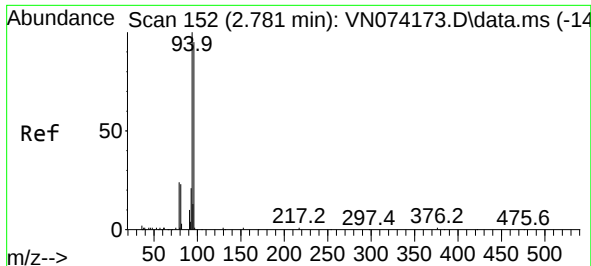
Tgt Ion:168 Resp: 233280
Ion Ratio Lower Upper
168 100
99 56.3 42.3 63.5



#3
Chloromethane
Concen: 0.288 ug/l
RT: 2.263 min Scan# 64
Delta R.T. -0.006 min
Lab File: VN074265.D
Acq: 02 Sep 2022 01:17

Tgt Ion: 50 Resp: 980
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#

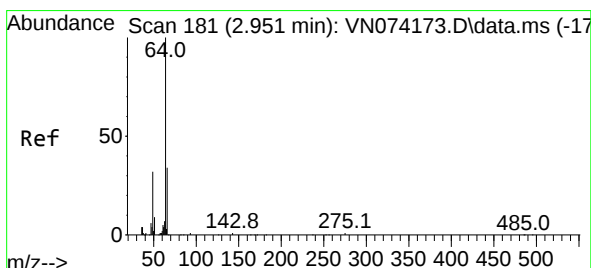
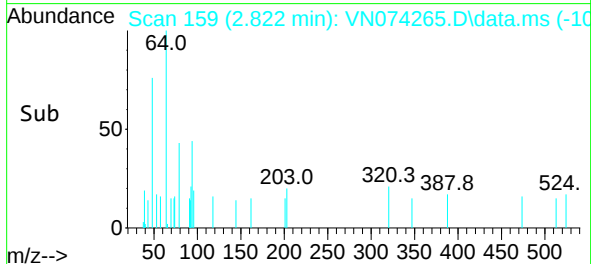
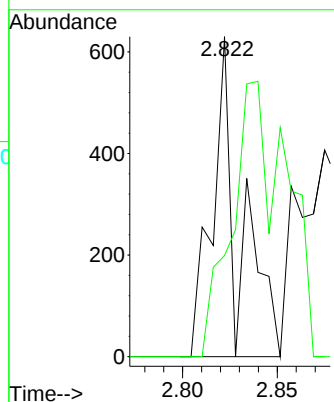
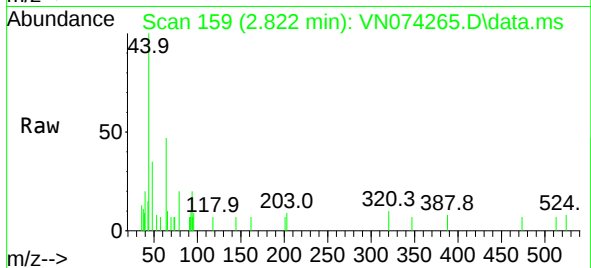




#5
Bromomethane
Concen: 0.340 ug/l
RT: 2.822 min Scan# 11
Delta R.T. 0.041 min
Lab File: VN074265.D
Acq: 02 Sep 2022 01:17

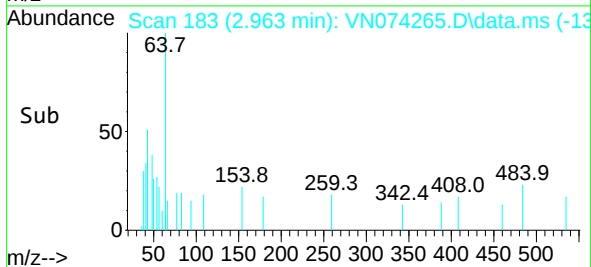
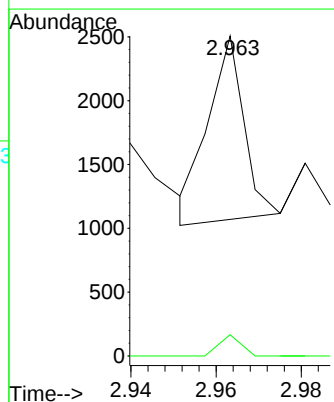
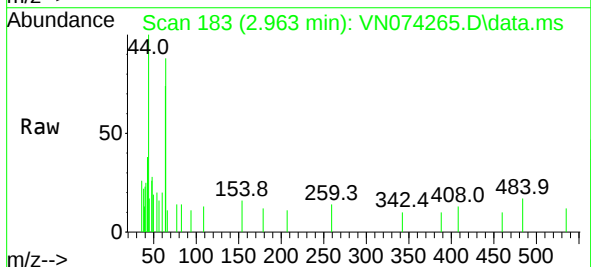
Instrument :
MSVOA_N
ClientSampleId :

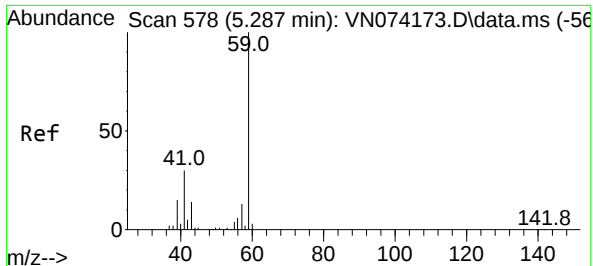
Tgt Ion: 94 Resp: 628
Ion Ratio Lower Upper
94 100
96 31.6 76.0 114.0#



#6
Chloroethane
Concen: Below Cal
RT: 2.963 min Scan# 183
Delta R.T. 0.012 min
Lab File: VN074265.D
Acq: 02 Sep 2022 01:17

Tgt Ion: 64 Resp: 843
Ion Ratio Lower Upper
64 100
66 12.0 26.2 39.4#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.298 min Scan# 51

Delta R.T. 0.011 min

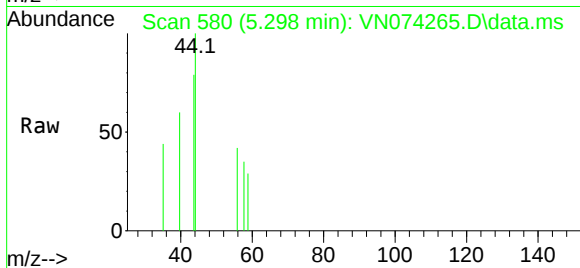
Lab File: VN074265.D

Acq: 02 Sep 2022 01:17

Instrument :

MSVOA_N

ClientSampleId :

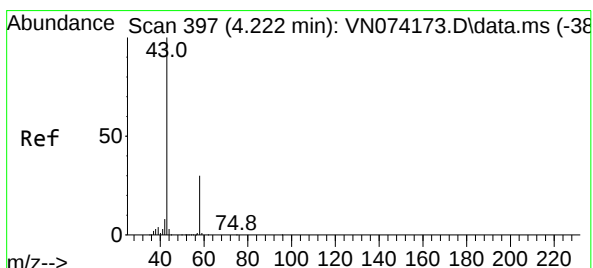
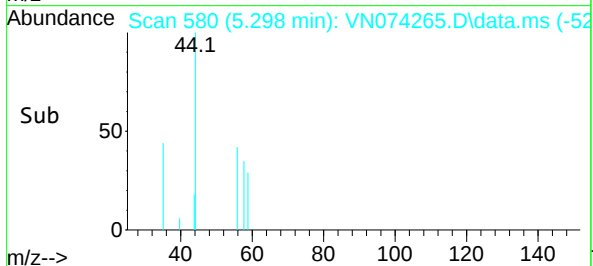
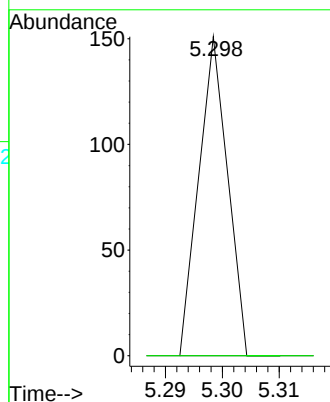


Tgt Ion: 59 Resp: 53

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#16

Acetone

Concen: 1.254 ug/l

RT: 4.246 min Scan# 401

Delta R.T. 0.024 min

Lab File: VN074265.D

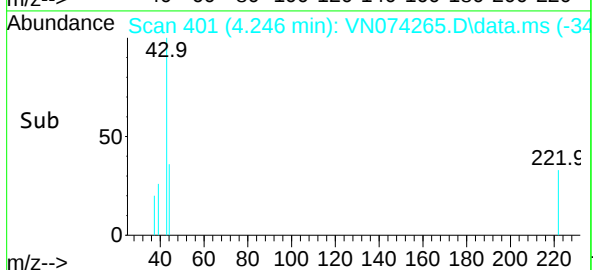
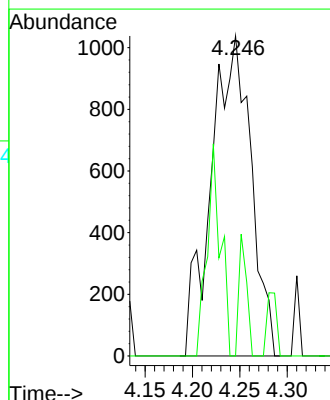
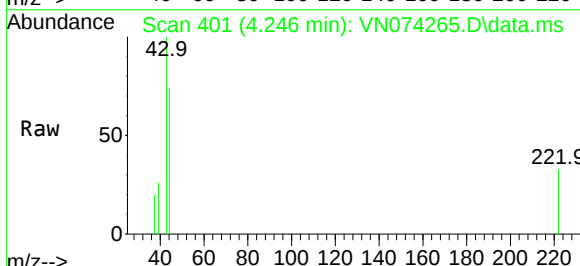
Acq: 02 Sep 2022 01:17

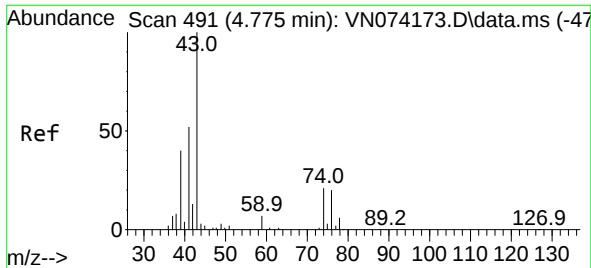
Tgt Ion: 43 Resp: 3032

Ion Ratio Lower Upper

43 100

58 0.0 26.0 39.0#

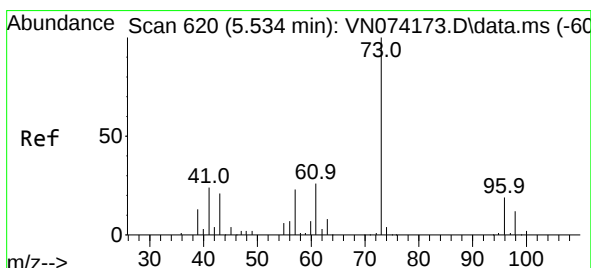
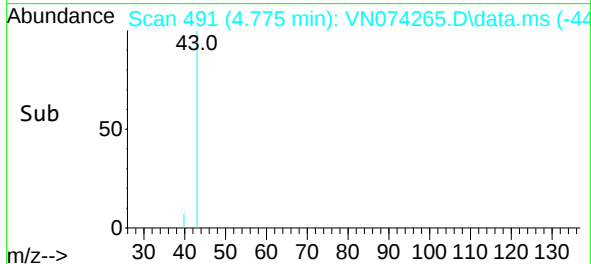
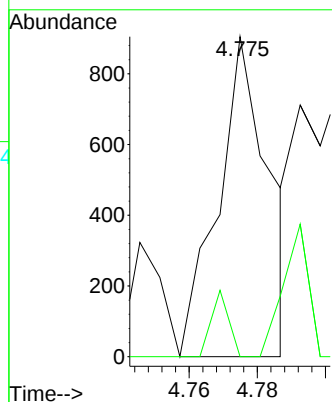
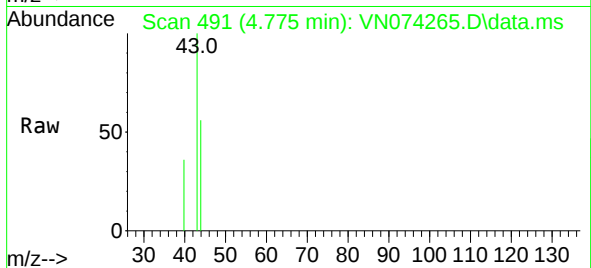




#18
Methyl Acetate
Concen: Below Cal
RT: 4.775 min Scan# 491
Delta R.T. -0.000 min
Lab File: VN074265.D
Acq: 02 Sep 2022 01:17

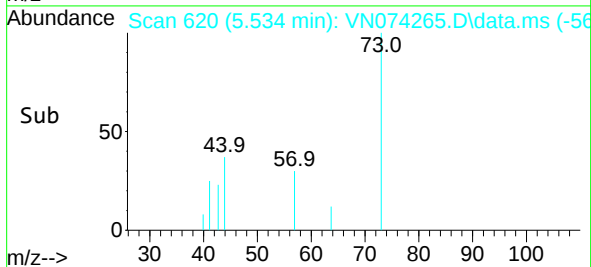
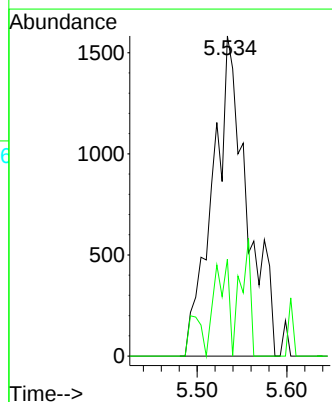
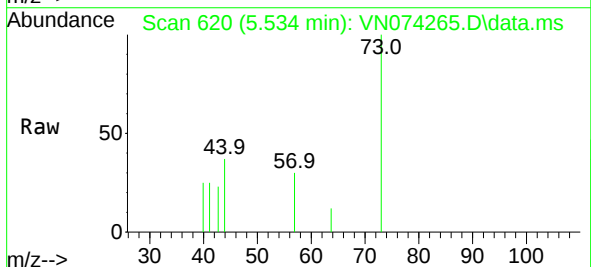
Instrument :
MSVOA_N
ClientSampleId :

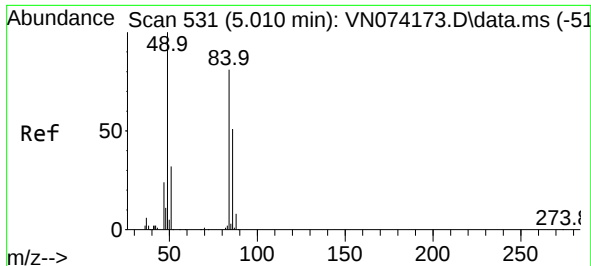
Tgt Ion: 43 Resp: 939
Ion Ratio Lower Upper
43 100
74 7.0 21.6 32.4#



#19
Methyl tert-butyl Ether
Concen: 0.413 ug/l
RT: 5.534 min Scan# 620
Delta R.T. 0.000 min
Lab File: VN074265.D
Acq: 02 Sep 2022 01:17

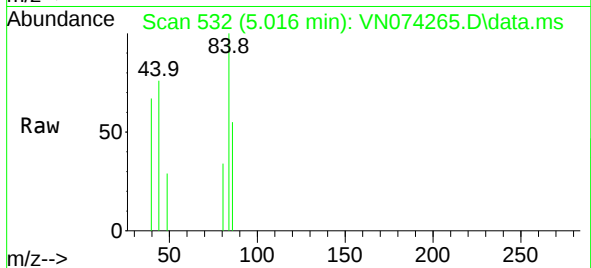
Tgt Ion: 73 Resp: 4179
Ion Ratio Lower Upper
73 100
57 30.3 17.6 26.4#



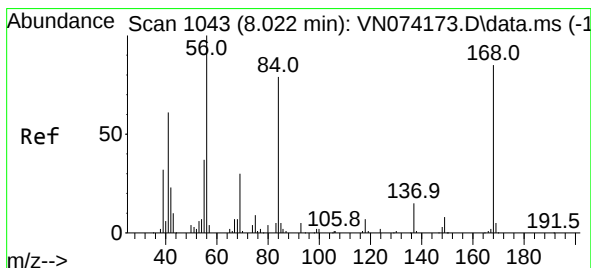
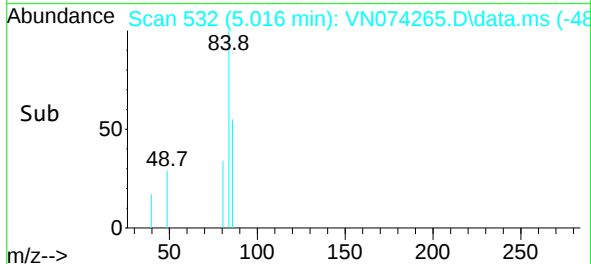
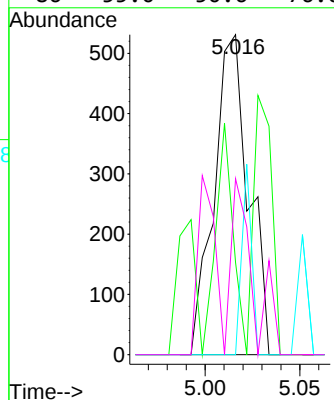


#20
Methylene Chloride
Concen: Below Cal
RT: 5.016 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN074265.D
Acq: 02 Sep 2022 01:17

Instrument :
MSVOA_N
ClientSampleId :

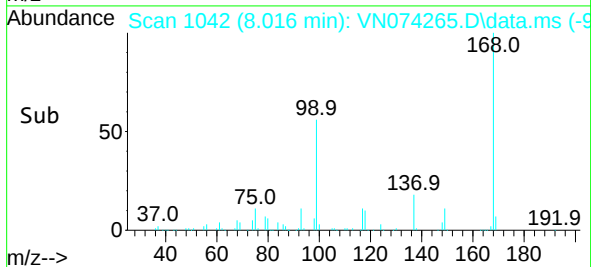
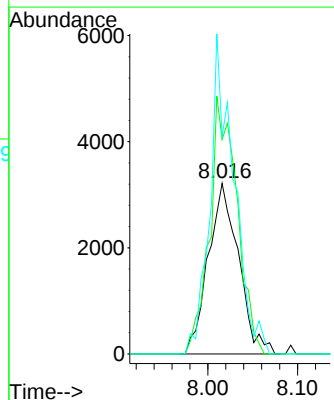
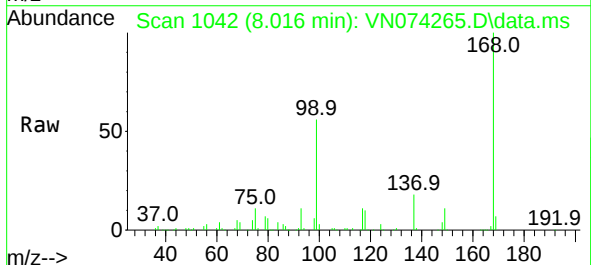


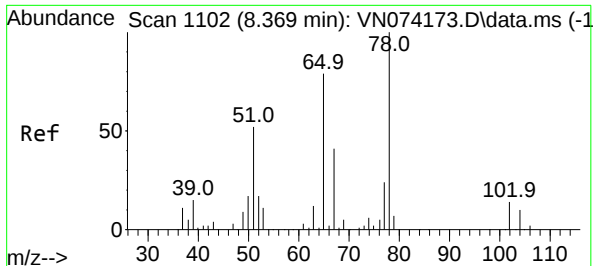
Tgt Ion: 84 Resp: 675
Ion Ratio Lower Upper
84 100
49 28.8 88.3 132.5#
51 0.0 28.2 42.2#
86 55.0 50.6 76.0



#31
Cyclohexane
Concen: 1.260 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.006 min
Lab File: VN074265.D
Acq: 02 Sep 2022 01:17

Tgt Ion: 56 Resp: 7536
Ion Ratio Lower Upper
56 100
69 125.8 27.8 41.8#
84 127.7 76.9 115.3#





#33

1,2-Dichloroethane-d4

Concen: 48.163 ug/l

RT: 8.375 min Scan# 1103

Delta R.T. 0.006 min

Lab File: VN074265.D

Acq: 02 Sep 2022 01:17

Instrument :

MSVOA_N

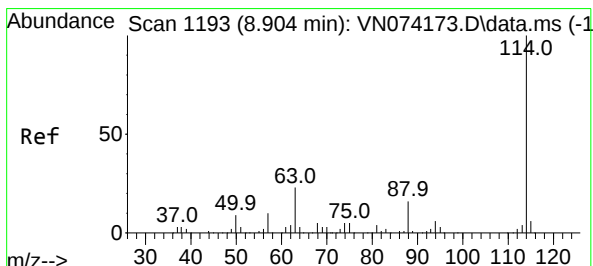
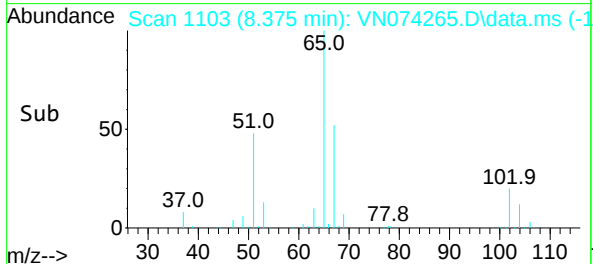
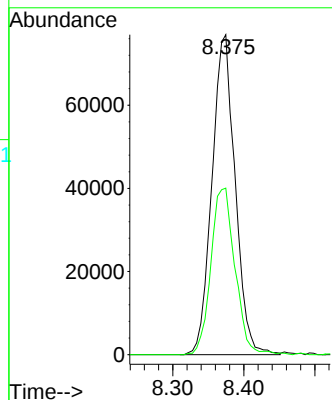
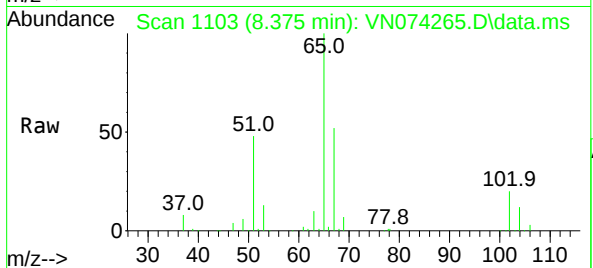
ClientSampleId :

Tgt Ion: 65 Resp: 174289

Ion Ratio Lower Upper

65 100

67 54.1 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: VN074265.D

Acq: 02 Sep 2022 01:17

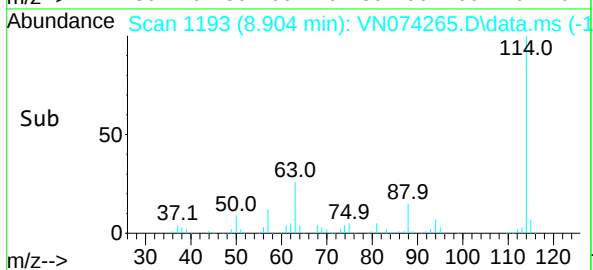
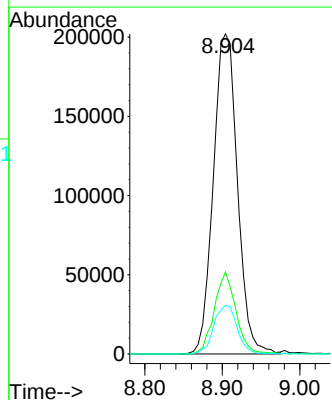
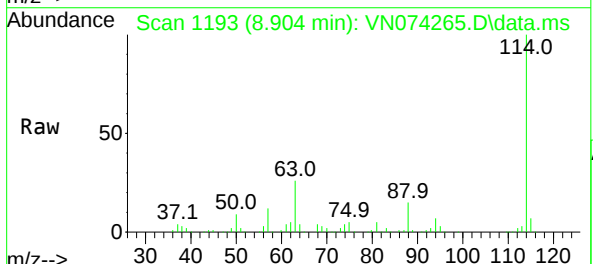
Tgt Ion: 114 Resp: 437585

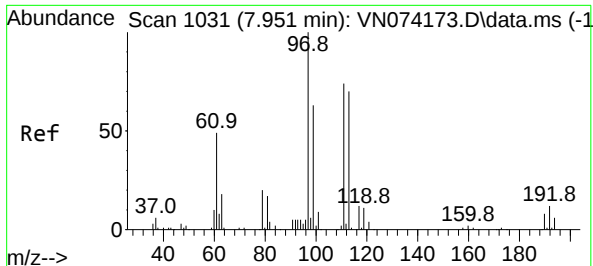
Ion Ratio Lower Upper

114 100

63 25.7 0.0 40.0

88 15.3 0.0 32.6





#35

Dibromofluoromethane

Concen: 50.756 ug/l

RT: 7.951 min Scan# 1042

Delta R.T. 0.000 min

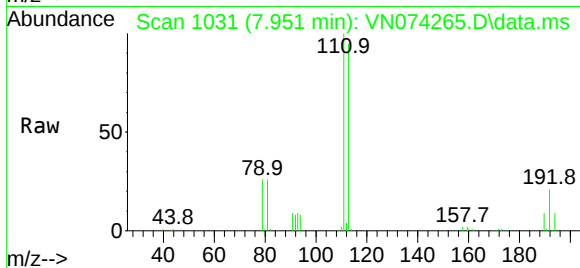
Lab File: VN074265.D

Acq: 02 Sep 2022 01:17

Instrument :

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ClientSampleId :



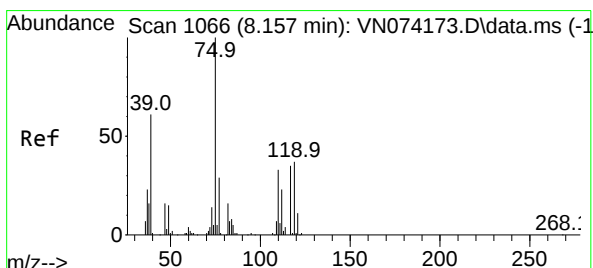
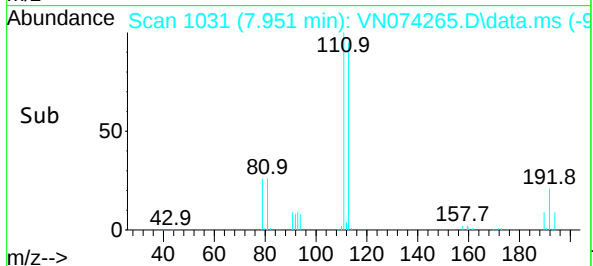
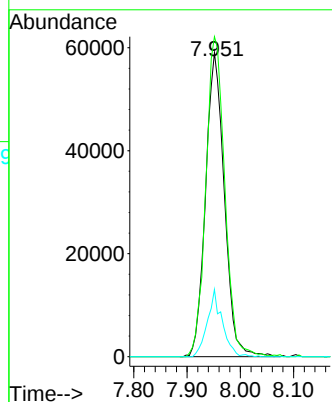
Tgt Ion:113 Resp: 144525

Ion Ratio Lower Upper

113 100

111 106.6 81.4 122.0

192 17.6 17.0 25.6



#36

1,1-Dichloropropene

Concen: 4.881 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.141 min

Lab File: VN074265.D

Acq: 02 Sep 2022 01:17

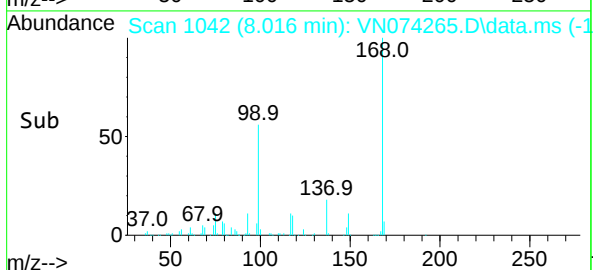
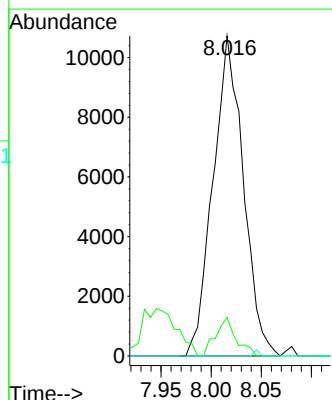
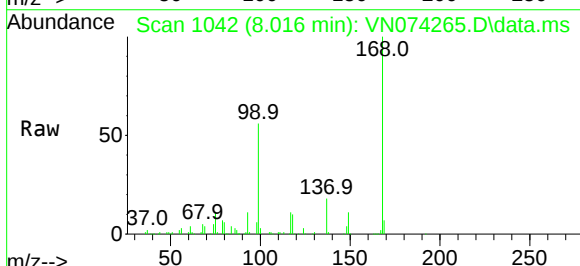
Tgt Ion: 75 Resp: 22549

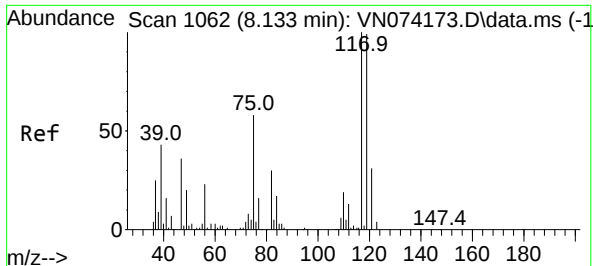
Ion Ratio Lower Upper

75 100

110 8.1 18.3 54.8#

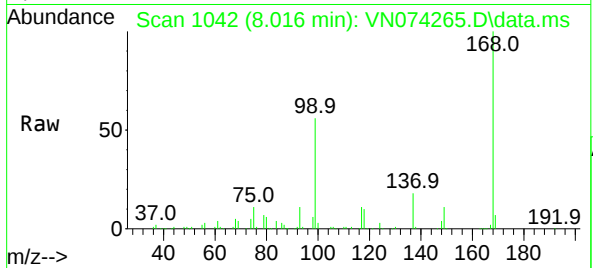
77 0.0 25.1 37.7#



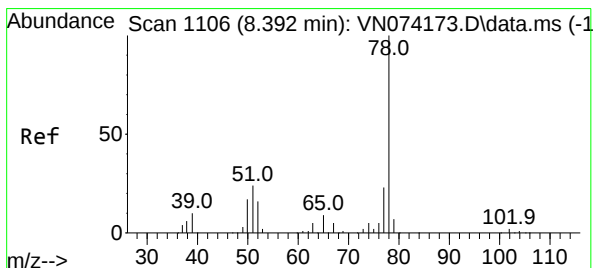
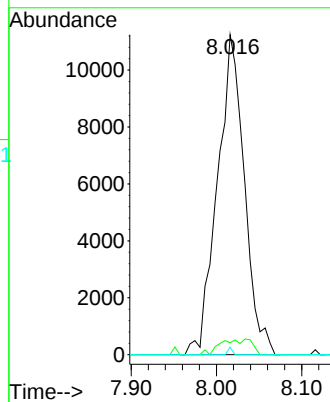
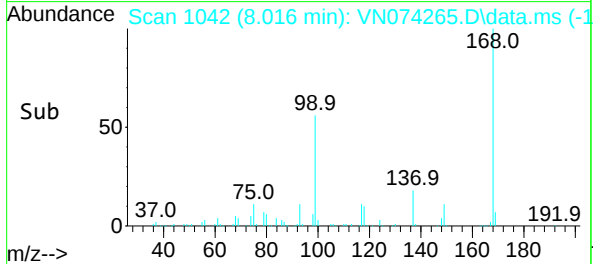


#38
Carbon Tetrachloride
Concen: 5.894 ug/l
RT: 8.016 min Scan# 1106
Delta R.T. -0.117 min
Lab File: VN074265.D
Acq: 02 Sep 2022 01:17

Instrument :
MSVOA_N
ClientSampleId :

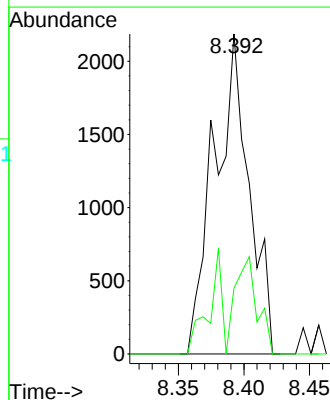
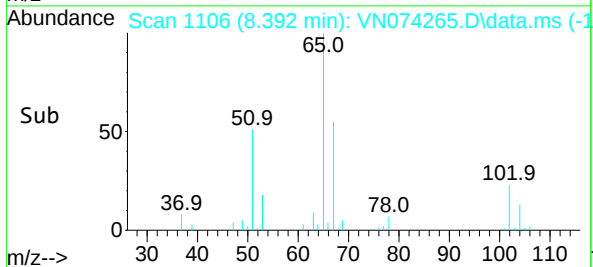
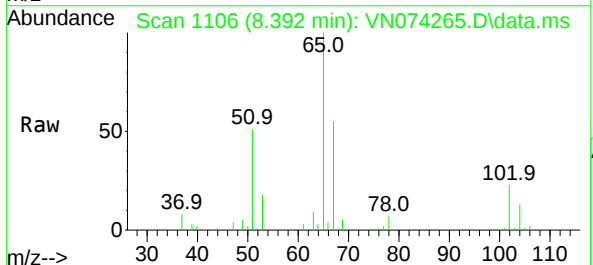


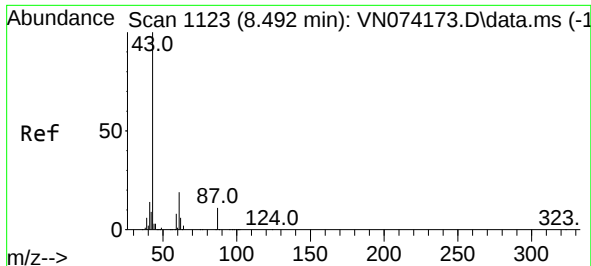
Tgt Ion:117 Resp: 24729
Ion Ratio Lower Upper
117 100
119 3.7 75.8 113.8#
121 2.4 24.6 37.0#



#40
Benzene
Concen: 0.277 ug/l
RT: 8.392 min Scan# 1106
Delta R.T. 0.000 min
Lab File: VN074265.D
Acq: 02 Sep 2022 01:17

Tgt Ion: 78 Resp: 4025
Ion Ratio Lower Upper
78 100
77 20.5 19.4 29.0





#43

Isopropyl Acetate

Concen: 0.677 ug/l

RT: 8.628 min Scan# 1123

Delta R.T. 0.135 min

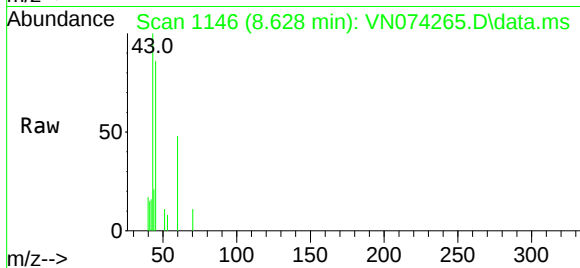
Lab File: VN074265.D

Acq: 02 Sep 2022 01:17

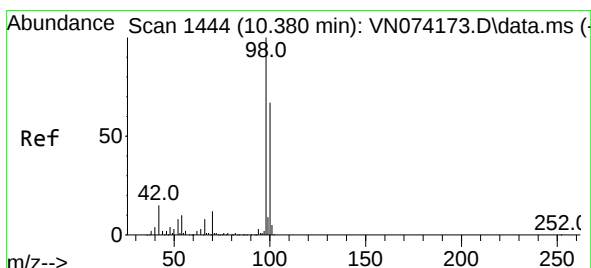
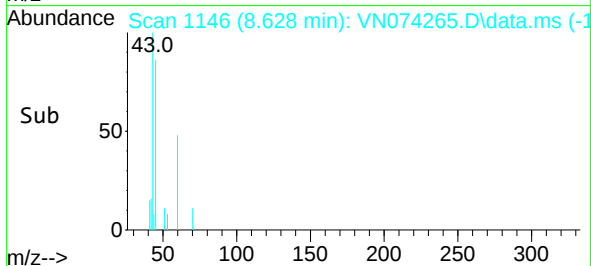
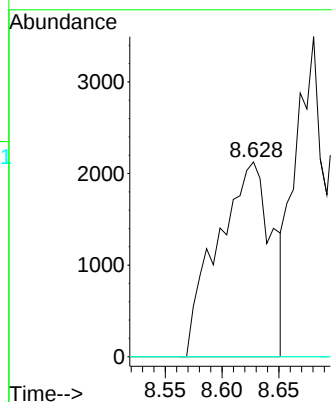
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	43	Resp:	7030
Ion Ratio	Lower	Upper	
43	100		
61	0.0	21.9	32.9#
87	0.0	12.0	18.0#



#50

Toluene-d8

Concen: 45.793 ug/l

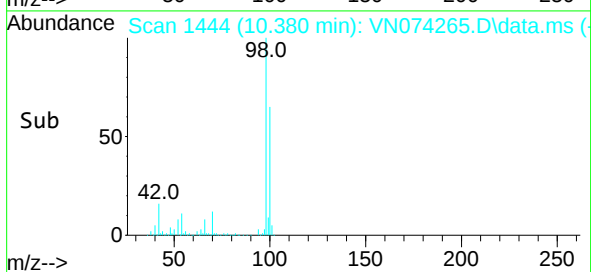
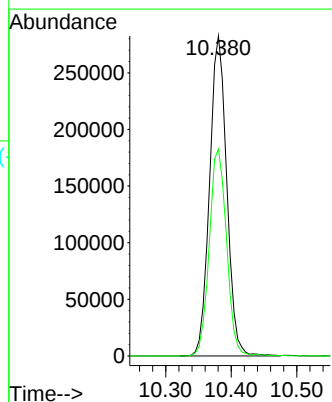
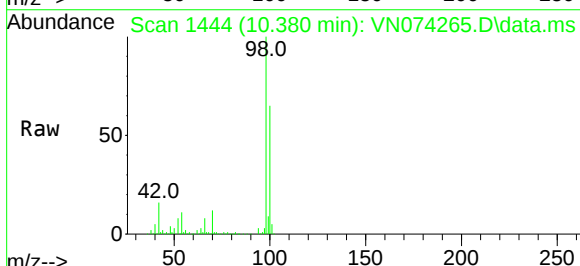
RT: 10.380 min Scan# 1444

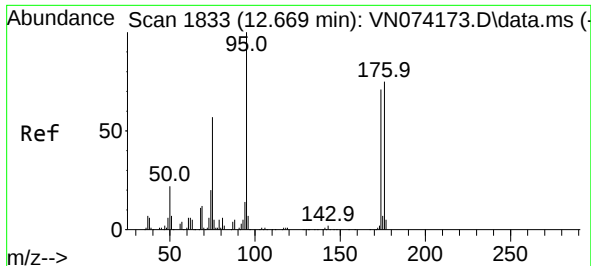
Delta R.T. 0.000 min

Lab File: VN074265.D

Acq: 02 Sep 2022 01:17

Tgt Ion:	98	Resp:	513504
Ion Ratio	Lower	Upper	
98	100		
100	64.8	52.6	78.8





#62

4-Bromofluorobenzene

Concen: 54.319 ug/l

RT: 12.669 min Scan# 1833

Delta R.T. 0.000 min

Lab File: VN074265.D

Acq: 02 Sep 2022 01:17

Instrument :

MSVOA_N

ClientSampleId :

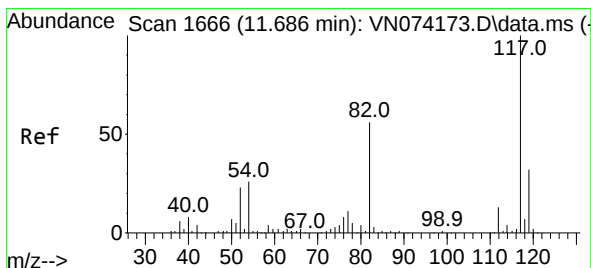
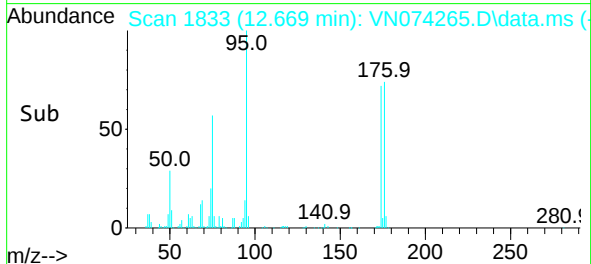
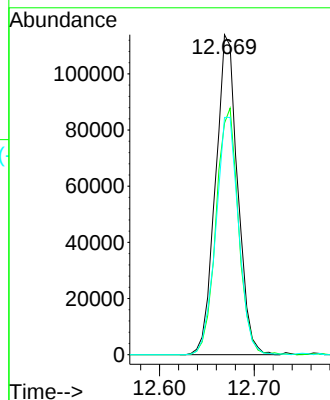
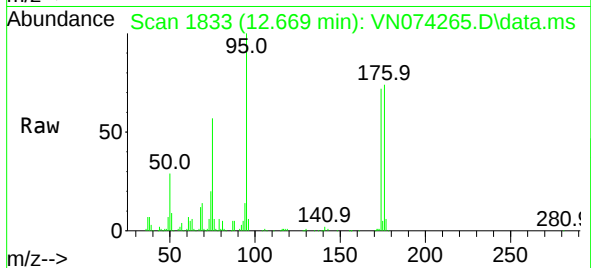
Tgt Ion: 95 Resp: 185235

Ion Ratio Lower Upper

95 100

174 77.7 0.0 167.6

176 76.4 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: VN074265.D

Acq: 02 Sep 2022 01:17

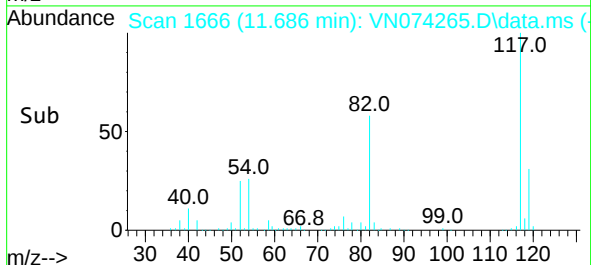
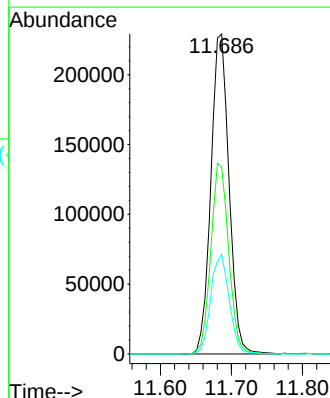
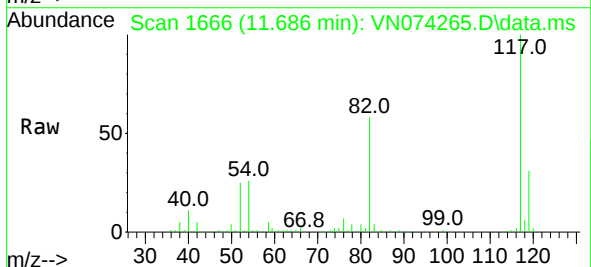
Tgt Ion: 117 Resp: 406280

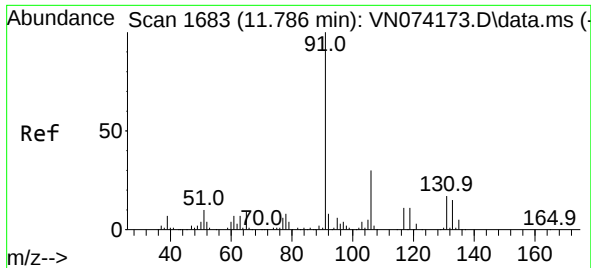
Ion Ratio Lower Upper

117 100

82 58.4 44.2 66.2

119 31.0 25.4 38.0

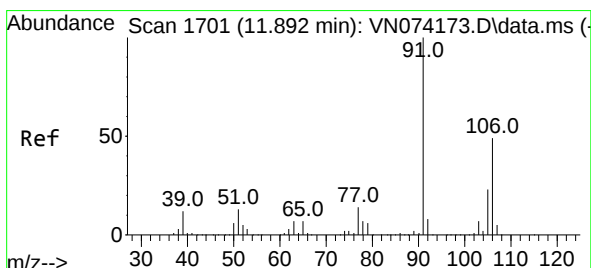
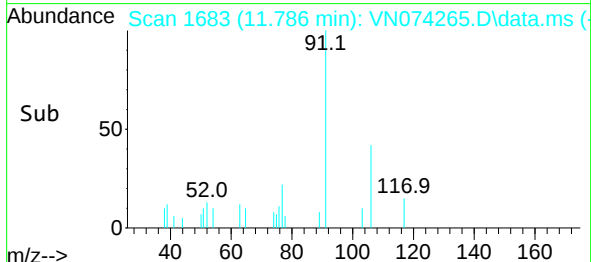
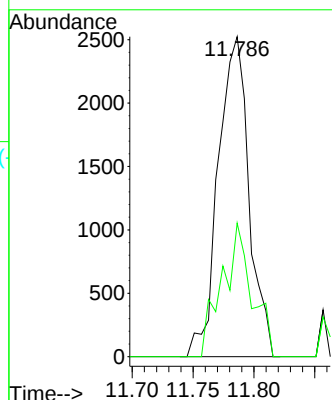
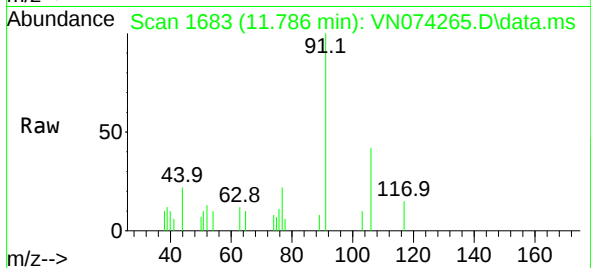




#67
Ethyl Benzene
Concen: 0.269 ug/l
RT: 11.786 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VN074265.D
Acq: 02 Sep 2022 01:17

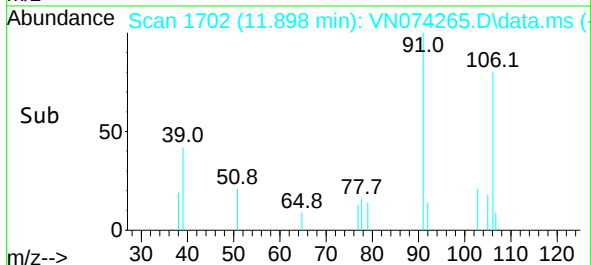
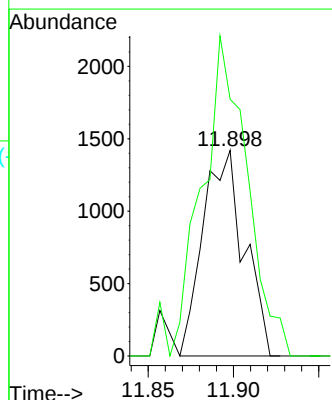
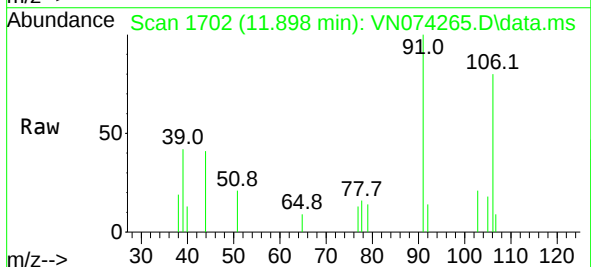
Instrument :
MSVOA_N
ClientSampleId :

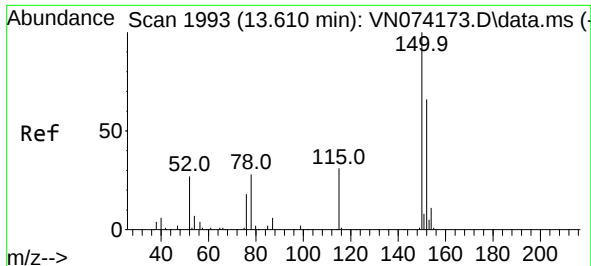
Tgt Ion: 91 Resp: 4420
Ion Ratio Lower Upper
91 100
106 41.8 24.9 37.3#



#68
m/p-Xylenes
Concen: 0.392 ug/l
RT: 11.898 min Scan# 1702
Delta R.T. 0.006 min
Lab File: VN074265.D
Acq: 02 Sep 2022 01:17

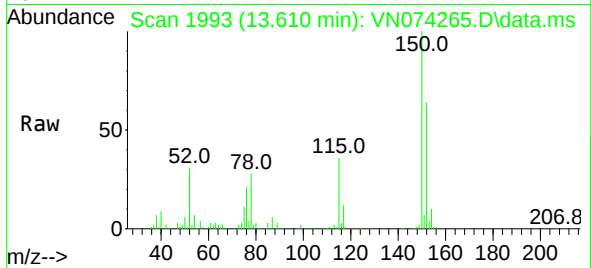
Tgt Ion: 106 Resp: 2390
Ion Ratio Lower Upper
106 100
91 174.0 158.9 238.3



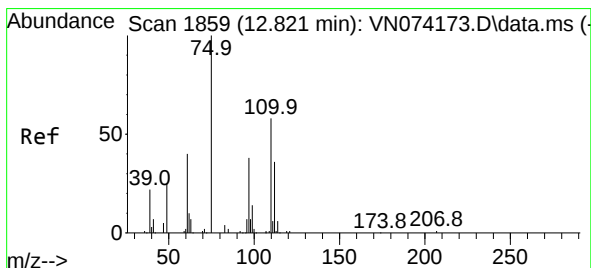
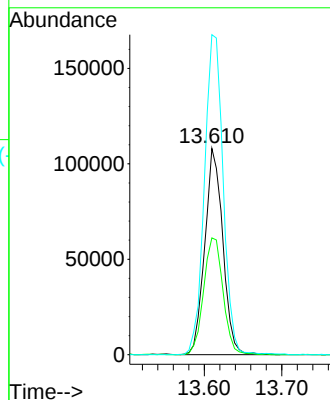
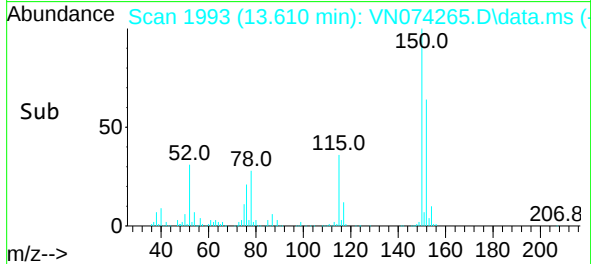


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.610 min Scan# 1993
 Delta R.T. -0.000 min
 Lab File: VN074265.D
 Acq: 02 Sep 2022 01:17

Instrument :
 MSVOA_N
 ClientSampleId :

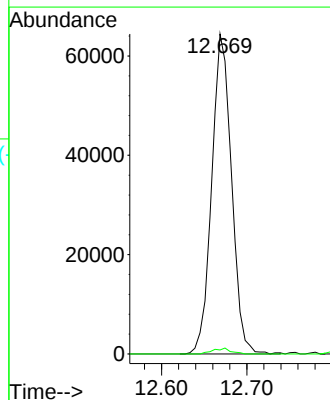
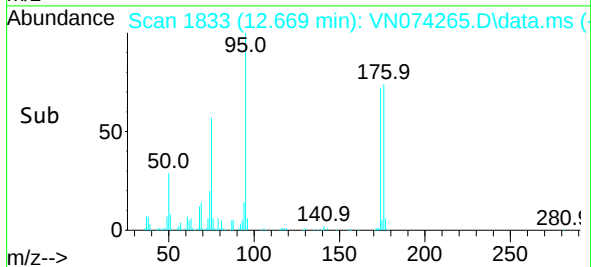
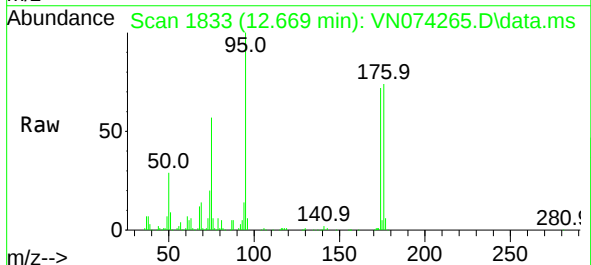


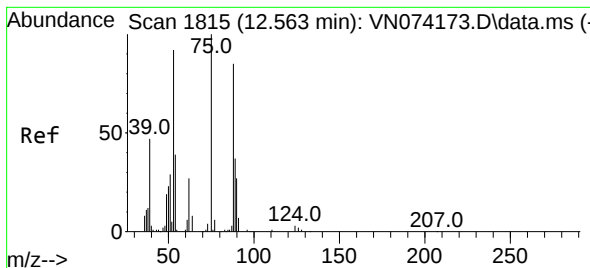
Tgt Ion:152 Resp: 174950
 Ion Ratio Lower Upper
 152 100
 115 61.0 28.9 86.7
 150 161.3 0.0 356.2



#76
 1,2,3-Trichloropropane
 Concen: 23.818 ug/l
 RT: 12.669 min Scan# 1833
 Delta R.T. -0.152 min
 Lab File: VN074265.D
 Acq: 02 Sep 2022 01:17

Tgt Ion: 75 Resp: 103971
 Ion Ratio Lower Upper
 75 100
 77 1.6 98.5 295.5#

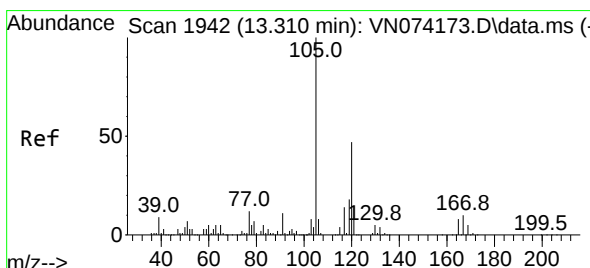
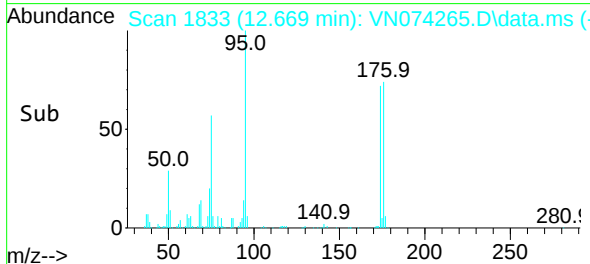
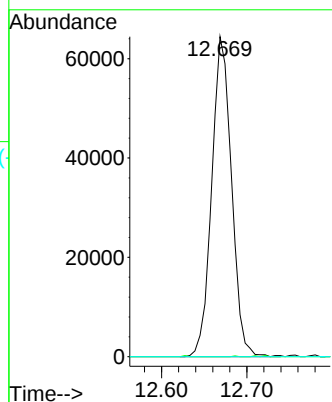
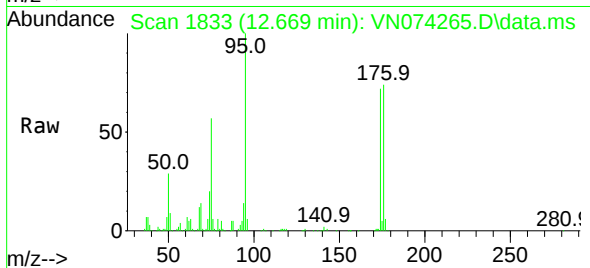




#81
 trans-1,4-Dichloro-2-butene
 Concen: 61.686 ug/l
 RT: 12.669 min Scan# 1815
 Delta R.T. 0.106 min
 Lab File: VN074265.D
 Acq: 02 Sep 2022 01:17

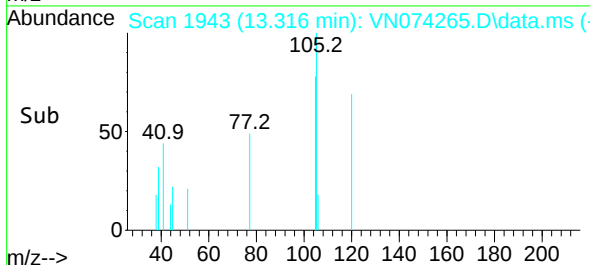
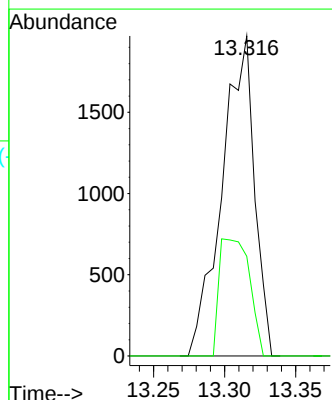
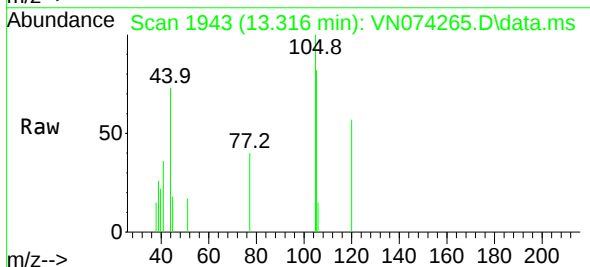
Instrument :
 MSVOA_N
 ClientSampleId :

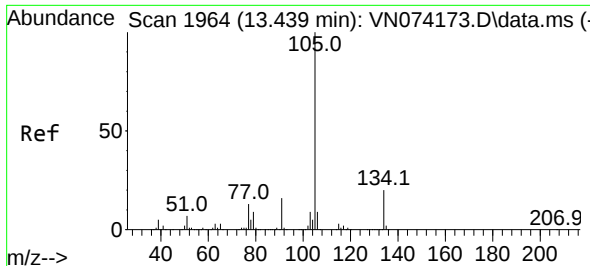
Tgt Ion: 75 Resp: 103971
 Ion Ratio Lower Upper
 75 100
 53 0.1 78.0 117.0#
 89 0.0 37.2 55.8#



#84
 1,2,4-Trimethylbenzene
 Concen: 0.266 ug/l
 RT: 13.316 min Scan# 1943
 Delta R.T. 0.006 min
 Lab File: VN074265.D
 Acq: 02 Sep 2022 01:17

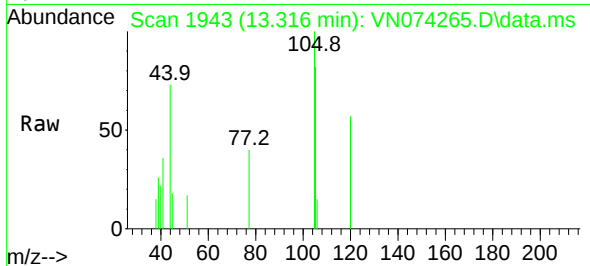
Tgt Ion: 105 Resp: 3129
 Ion Ratio Lower Upper
 105 100
 120 34.0 23.3 69.8



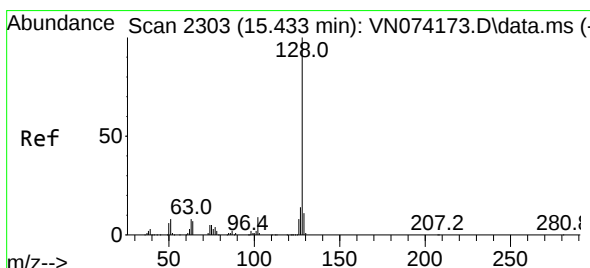
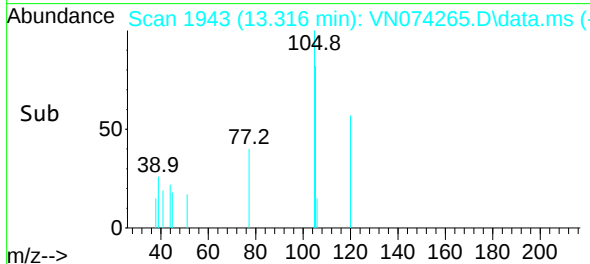
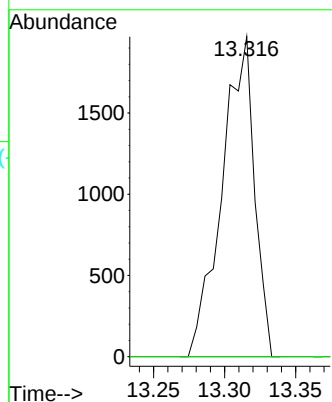


#85
 sec-Butylbenzene
 Concen: 0.214 ug/l
 RT: 13.316 min Scan# 1964
 Delta R.T. -0.124 min
 Lab File: VN074265.D
 Acq: 02 Sep 2022 01:17

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:105 Resp: 3129
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.4 31.1#



#95
 Naphthalene
 Concen: 1.944 ug/l
 RT: 15.433 min Scan# 2303
 Delta R.T. 0.000 min
 Lab File: VN074265.D
 Acq: 02 Sep 2022 01:17

Tgt Ion:128 Resp: 10778
 Ion Ratio Lower Upper
 128 100
 127 12.2 10.3 15.5
 129 7.9 8.6 13.0#

