

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081822\
 Data File : VN074010.D
 Acq On : 18 Aug 2022 17:26
 Operator : JC\MD
 Sample : N4246-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 220817015-02-VOA

Quant Time: Aug 19 00:01:31 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081522W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 16 00:45:21 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.016	168	631728	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	925783	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	886947	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	493307	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.375	65	300857	48.896	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	97.800%
35) Dibromofluoromethane	7.951	113	294045	53.707	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	107.420%
50) Toluene-d8	10.380	98	976247	46.040	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	92.080%
62) 4-Bromofluorobenzene	12.668	95	427872	60.801	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	121.600%

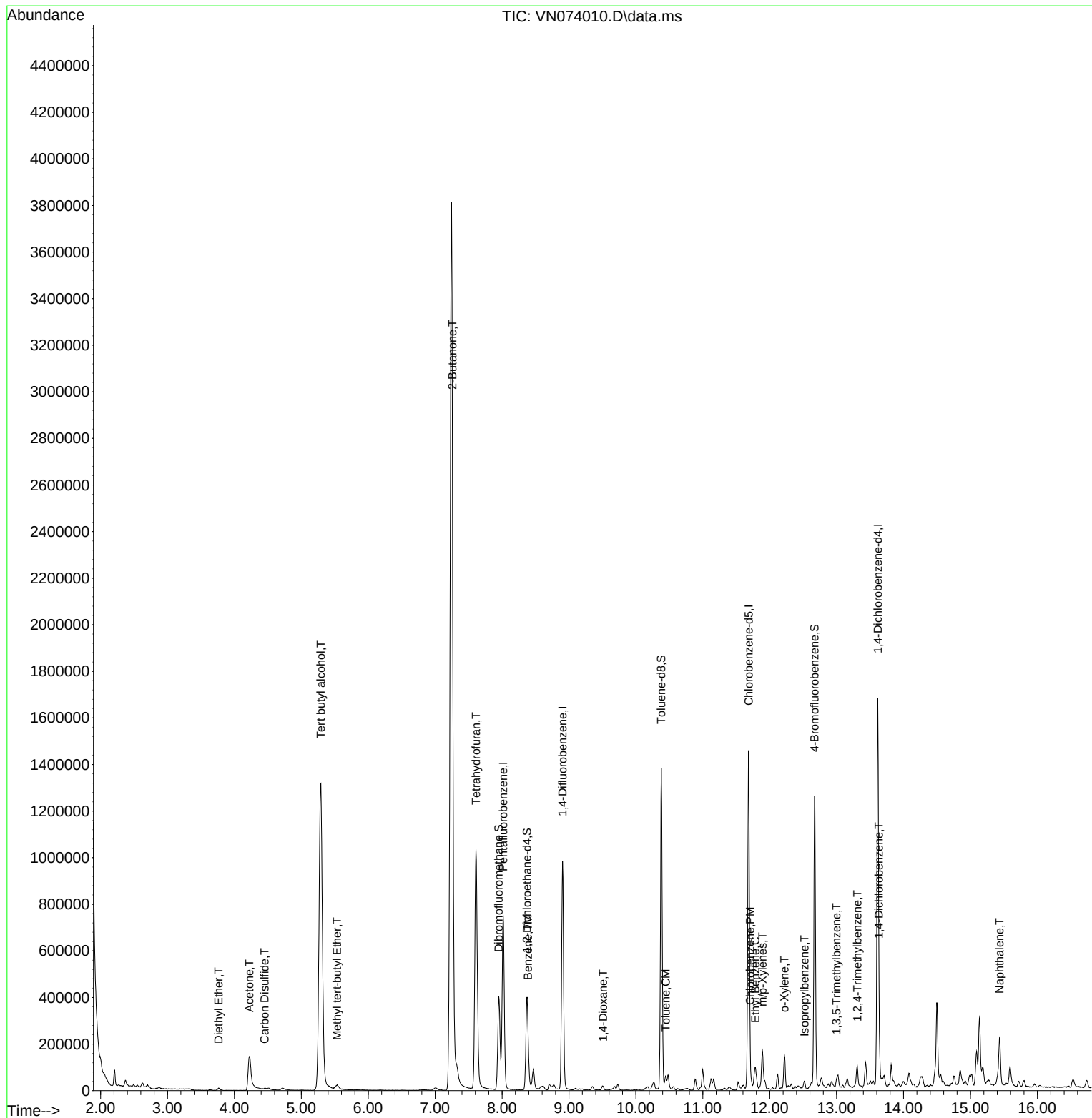
Target Compounds				Qvalue		
8) Diethyl Ether	3.763	74	5920	1.729	ug/l	81
11) Tert butyl alcohol	5.292	59	2634062	1913.829	ug/l	100
16) Acetone	4.222	43	224141	77.212	ug/l	99
17) Carbon Disulfide	4.451	76	10437	0.880	ug/l	98
19) Methyl tert-butyl Ether	5.534	73	29461	1.641	ug/l	98
25) 2-Butanone	7.257	43	336387	73.082	ug/l #	88
29) Tetrahydrofuran	7.610	42	807413	273.454	ug/l	96
40) Benzene	8.386	78	75635	3.151	ug/l	99
49) 1,4-Dioxane	9.510	88	10053	60.197	ug/l	97
52) Toluene	10.445	92	20834	1.266	ug/l	93
65) Chlorobenzene	11.710	112	14093	0.748	ug/l	95
67) Ethyl Benzene	11.786	91	54642	1.743	ug/l	99
68) m/p-Xylenes	11.892	106	53410	4.193	ug/l	99
69) o-Xylene	12.221	106	36742	2.877	ug/l	99
73) Isopropylbenzene	12.521	105	14662	0.408	ug/l	98
80) 1,3,5-Trimethylbenzene	12.998	105	11307	0.387	ug/l	99
84) 1,2,4-Trimethylbenzene	13.310	105	45469	1.558	ug/l	97
88) 1,4-Dichlorobenzene	13.633	146	34907	2.043	ug/l	85
95) Naphthalene	15.433	128	183015	5.297	ug/l	99

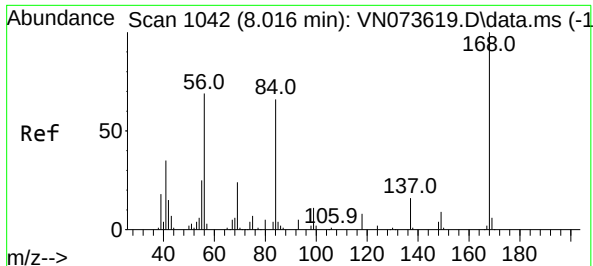
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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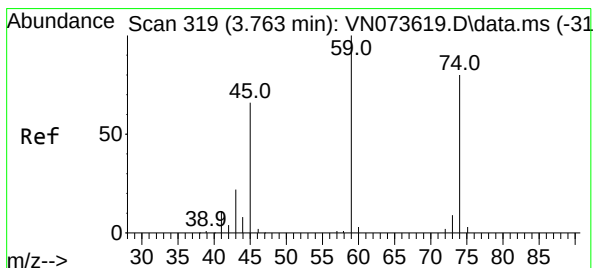
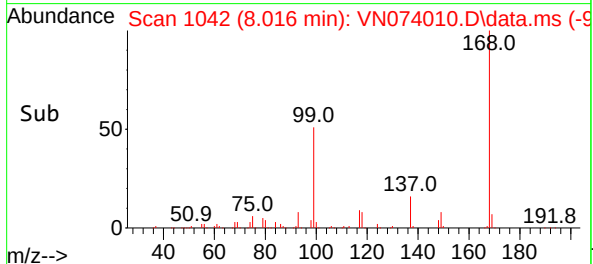
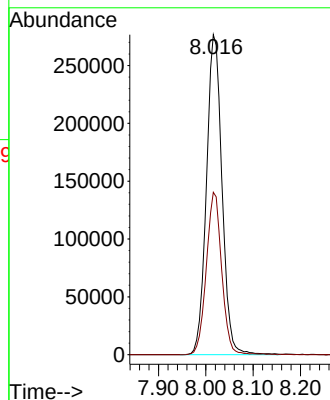
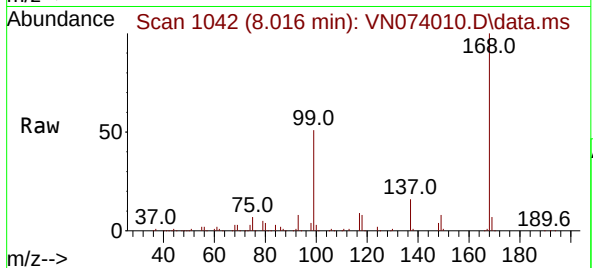




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074010.D
Acq: 18 Aug 2022 17:26

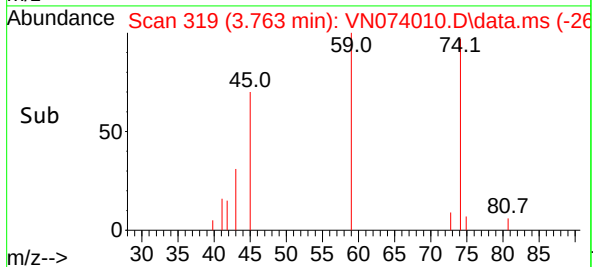
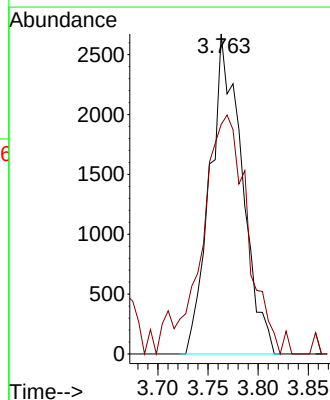
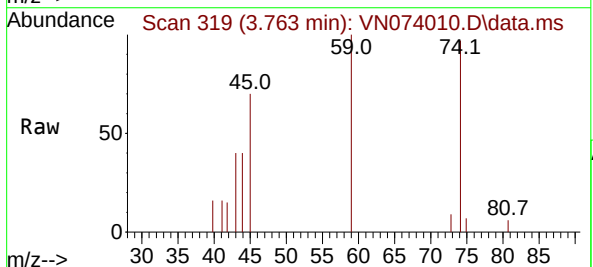
Instrument :
MSVOA_N
ClientSampleId :
220817015-02-VOA

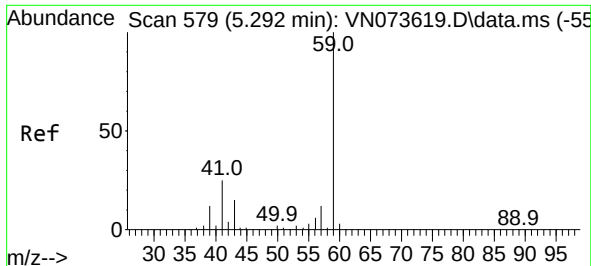
Tgt Ion:168 Resp: 631728
Ion Ratio Lower Upper
168 100
99 50.8 42.3 63.5



#8
Diethyl Ether
Concen: 1.729 ug/l
RT: 3.763 min Scan# 319
Delta R.T. 0.000 min
Lab File: VN074010.D
Acq: 18 Aug 2022 17:26

Tgt Ion: 74 Resp: 5920
Ion Ratio Lower Upper
74 100
45 102.8 42.9 128.5

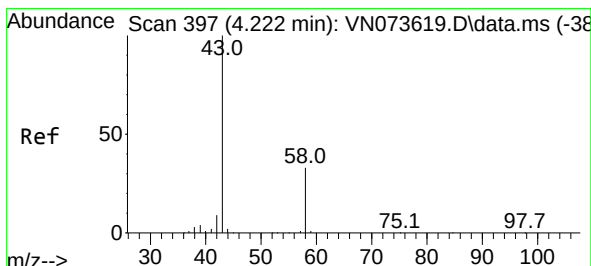
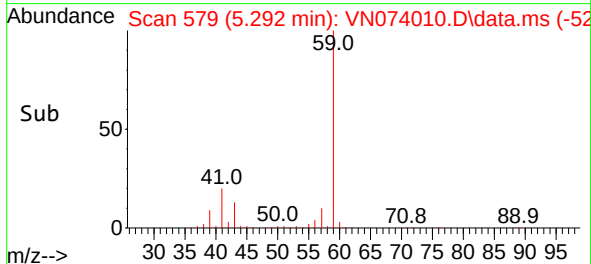
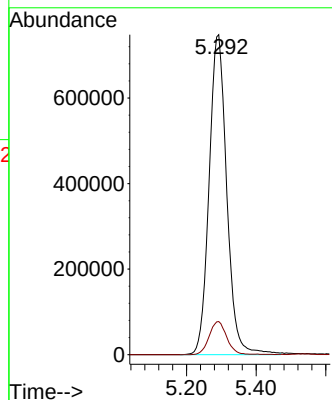
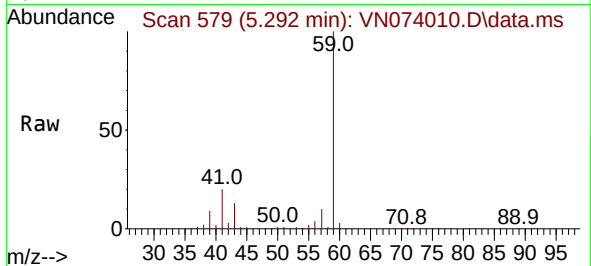




#11
Tert butyl alcohol
Concen: 1913.829 ug/l
RT: 5.292 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN074010.D
Acq: 18 Aug 2022 17:26

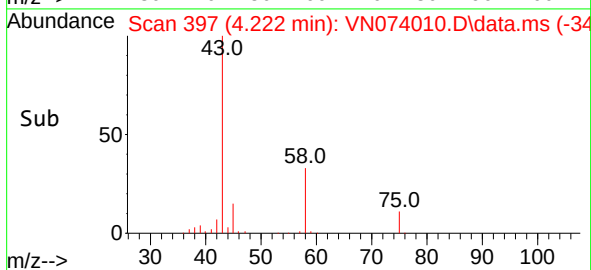
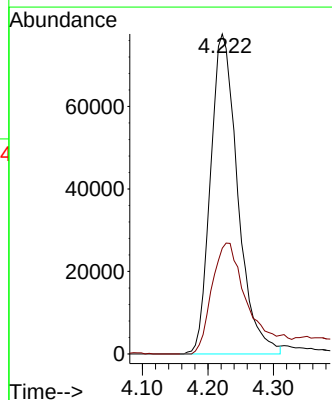
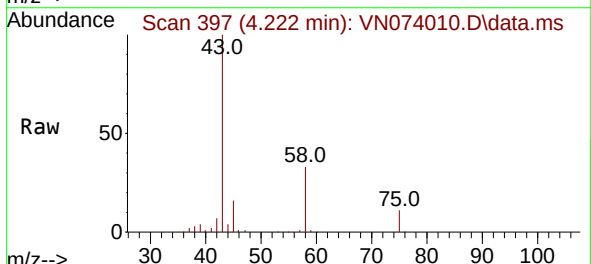
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MSVOA_N
ClientSampleId :
220817015-02-VOA

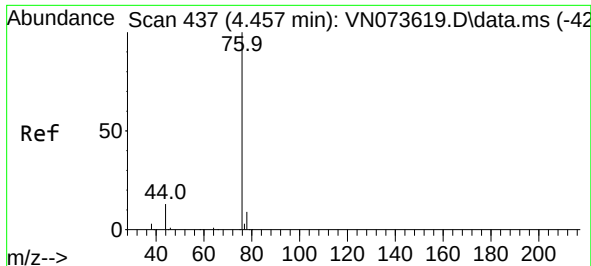
Tgt Ion: 59 Resp: 2634062
Ion Ratio Lower Upper
59 100
57 10.3 8.3 12.5



#16
Acetone
Concen: 77.212 ug/l
RT: 4.222 min Scan# 397
Delta R.T. -0.000 min
Lab File: VN074010.D
Acq: 18 Aug 2022 17:26

Tgt Ion: 43 Resp: 224141
Ion Ratio Lower Upper
43 100
58 33.0 26.0 39.0





#17

Carbon Disulfide

Concen: 0.880 ug/l

RT: 4.451 min Scan# 41

Delta R.T. -0.006 min

Lab File: VN074010.D

Acq: 18 Aug 2022 17:26

Instrument :

MSVOA_N

ClientSampleId :

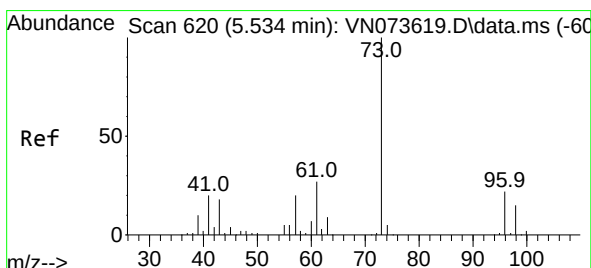
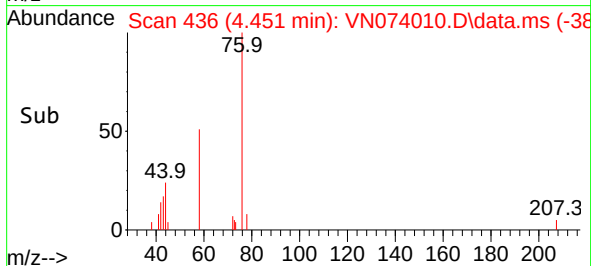
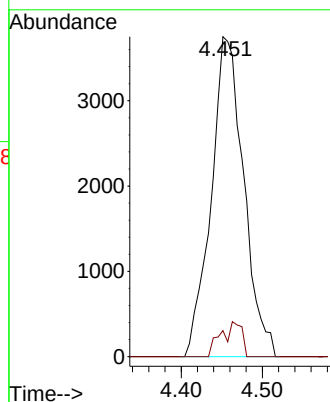
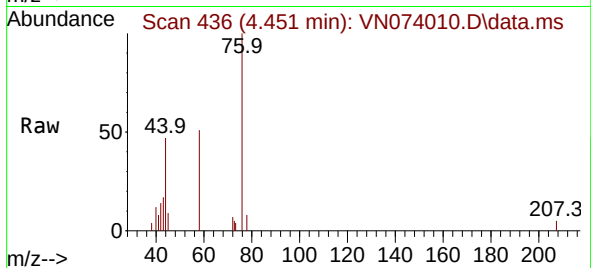
220817015-02-VOA

Tgt Ion: 76 Resp: 10437

Ion Ratio Lower Upper

76 100

78 8.1 7.2 10.8



#19

Methyl tert-butyl Ether

Concen: 1.641 ug/l

RT: 5.534 min Scan# 620

Delta R.T. -0.000 min

Lab File: VN074010.D

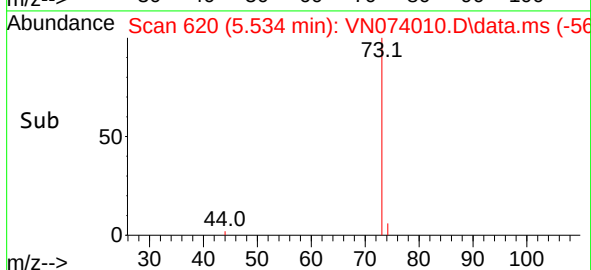
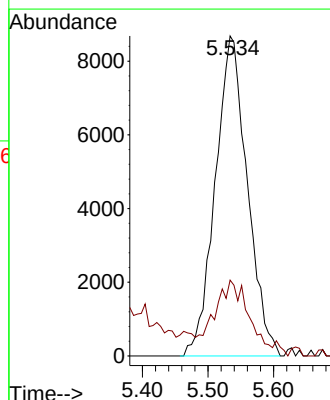
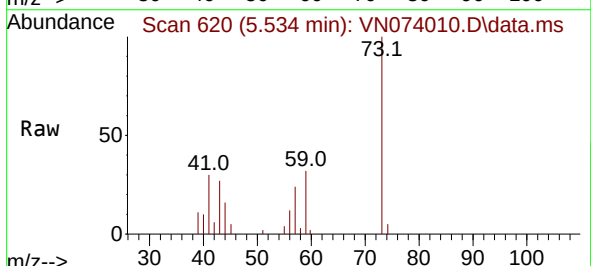
Acq: 18 Aug 2022 17:26

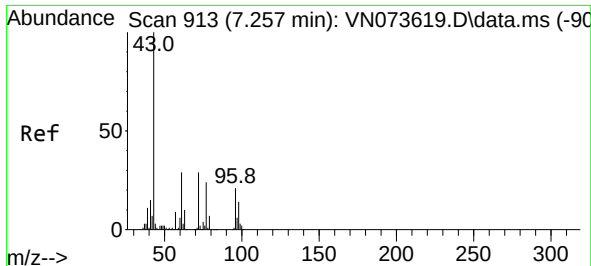
Tgt Ion: 73 Resp: 29461

Ion Ratio Lower Upper

73 100

57 20.9 17.6 26.4

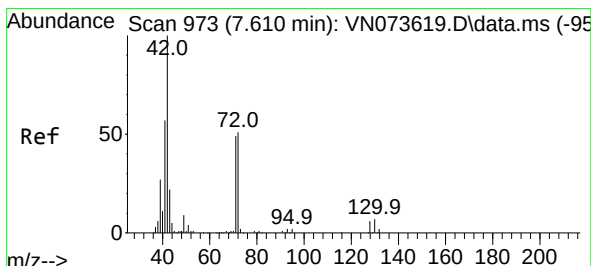
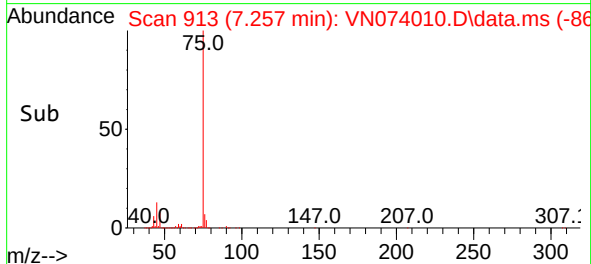
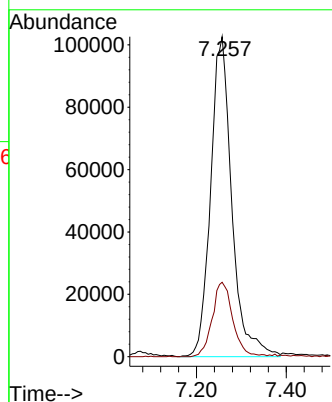
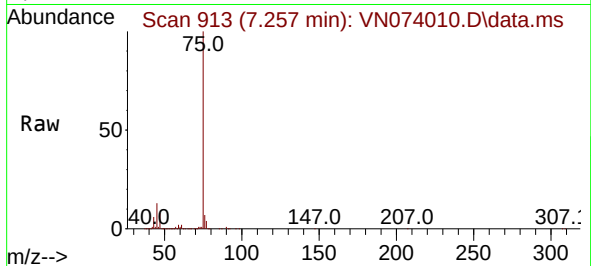




#25
2-Butanone
Concen: 73.082 ug/l
RT: 7.257 min Scan# 913
Delta R.T. 0.000 min
Lab File: VN074010.D
Acq: 18 Aug 2022 17:26

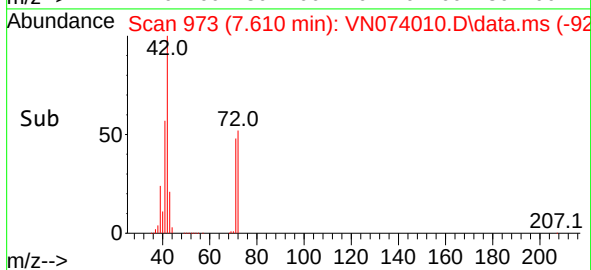
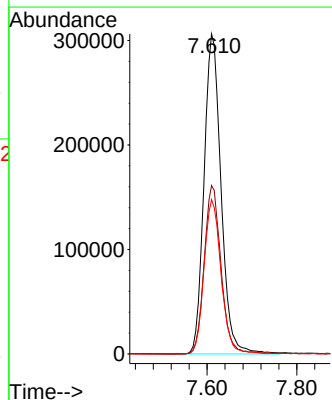
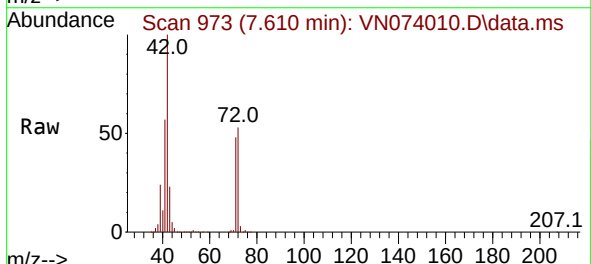
Instrument :
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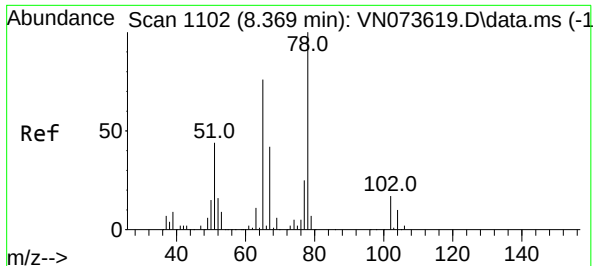
Tgt Ion: 43 Resp: 336387
Ion Ratio Lower Upper
43 100
72 23.3 23.7 35.5#



#29
Tetrahydrofuran
Concen: 273.454 ug/l
RT: 7.610 min Scan# 973
Delta R.T. -0.000 min
Lab File: VN074010.D
Acq: 18 Aug 2022 17:26

Tgt Ion: 42 Resp: 807413
Ion Ratio Lower Upper
42 100
72 52.1 39.7 59.5
71 48.3 36.6 55.0





#33

1,2-Dichloroethane-d4

Concen: 48.896 ug/l

RT: 8.375 min Scan# 1102

Delta R.T. 0.006 min

Lab File: VN074010.D

Acq: 18 Aug 2022 17:26

Instrument :

MSVOA_N

ClientSampleId :

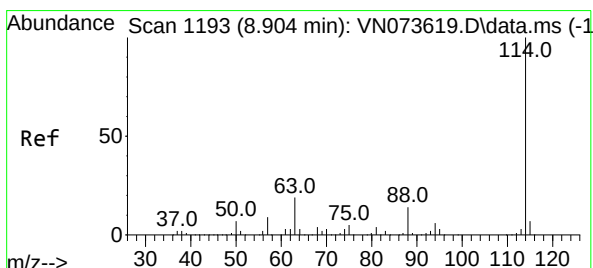
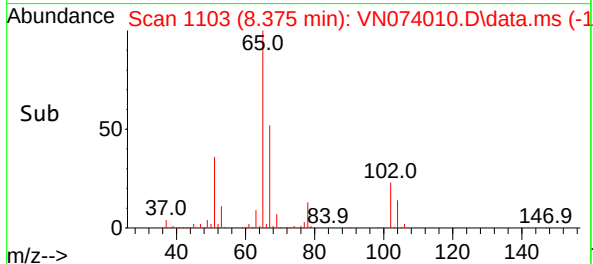
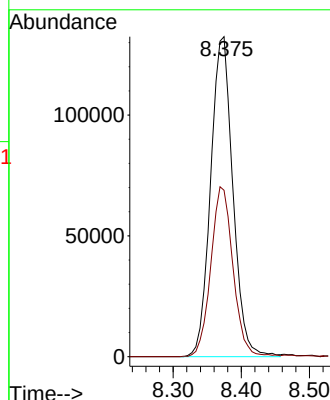
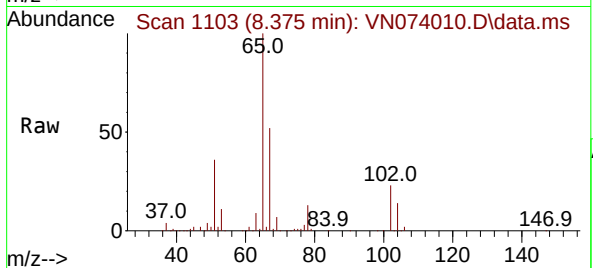
220817015-02-VOA

Tgt Ion: 65 Resp: 300857

Ion Ratio Lower Upper

65 100

67 53.0 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: VN074010.D

Acq: 18 Aug 2022 17:26

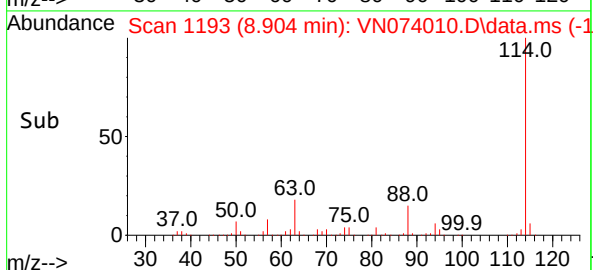
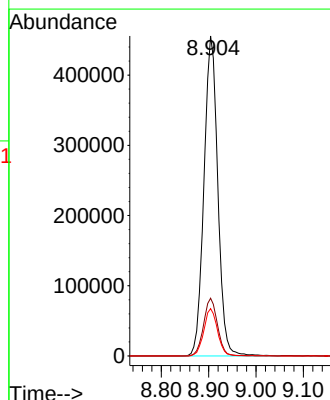
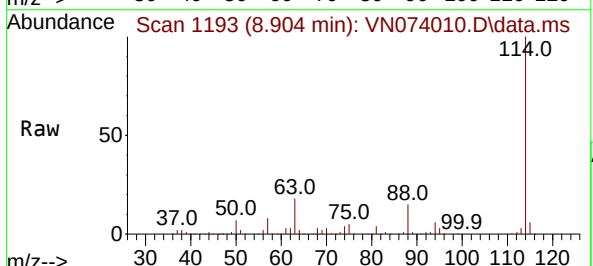
Tgt Ion: 114 Resp: 925783

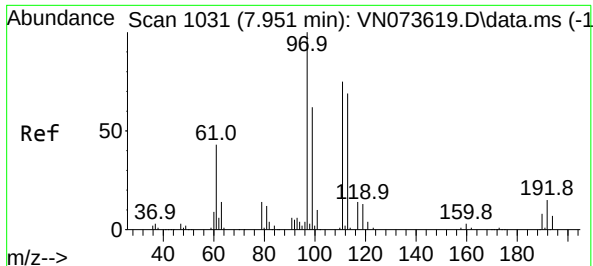
Ion Ratio Lower Upper

114 100

63 18.0 0.0 40.0

88 14.8 0.0 32.6





#35

Dibromofluoromethane

Concen: 53.707 ug/l

RT: 7.951 min Scan# 1105

Delta R.T. 0.000 min

Lab File: VN074010.D

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ClientSampleId :

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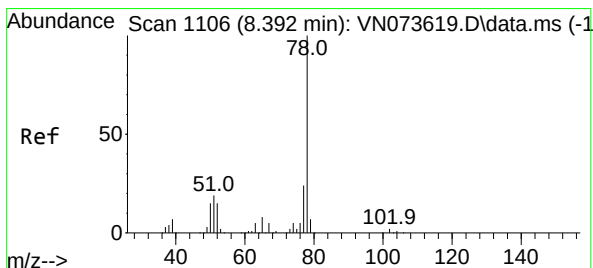
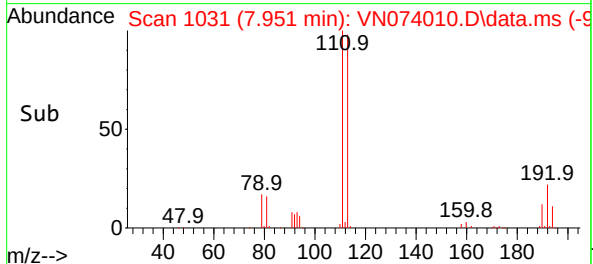
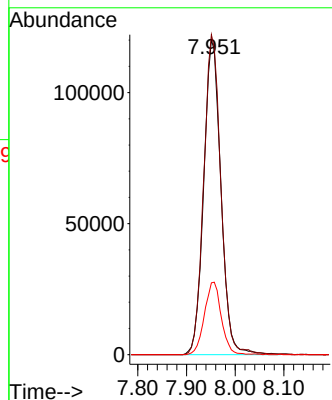
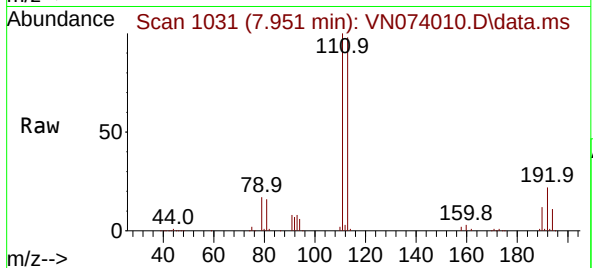
Tgt Ion:113 Resp: 294045

Ion Ratio Lower Upper

113 100

111 101.8 81.4 122.0

192 22.7 17.0 25.6



#40

Benzene

Concen: 3.151 ug/l

RT: 8.386 min Scan# 1105

Delta R.T. -0.006 min

Lab File: VN074010.D

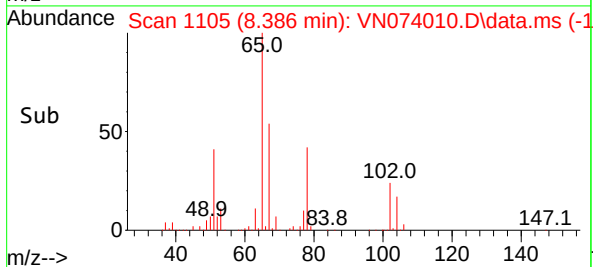
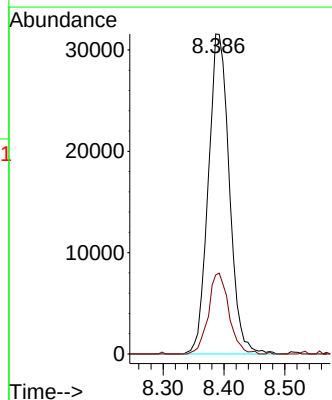
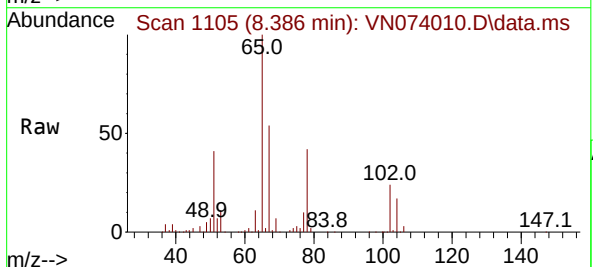
Acq: 18 Aug 2022 17:26

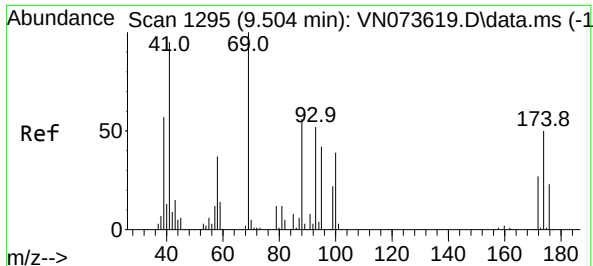
Tgt Ion: 78 Resp: 75635

Ion Ratio Lower Upper

78 100

77 24.7 19.4 29.0





#49

1,4-Dioxane

Concen: 60.197 ug/l

RT: 9.510 min Scan# 1296

Delta R.T. 0.006 min

Lab File: VN074010.D

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220817015-02-VOA

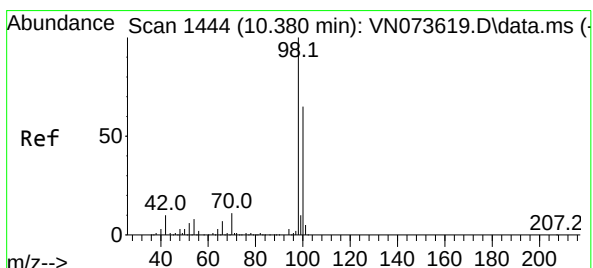
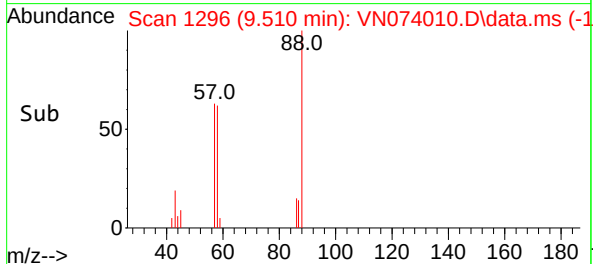
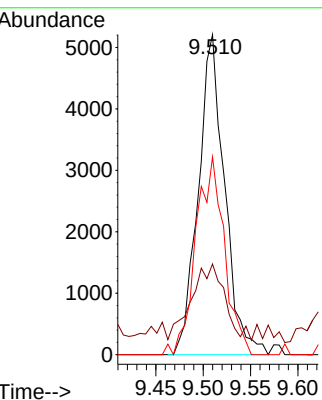
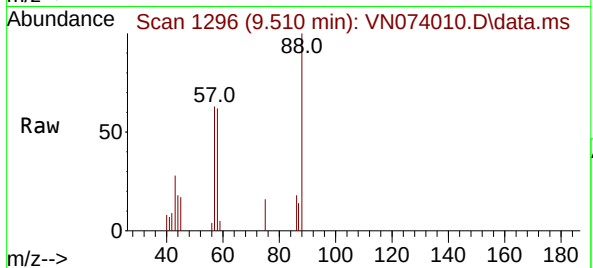
Tgt Ion: 88 Resp: 10053

Ion Ratio Lower Upper

88 100

43 28.8 20.2 30.4

58 67.0 54.2 81.4



#50

Toluene-d8

Concen: 46.040 ug/l

RT: 10.380 min Scan# 1444

Delta R.T. 0.000 min

Lab File: VN074010.D

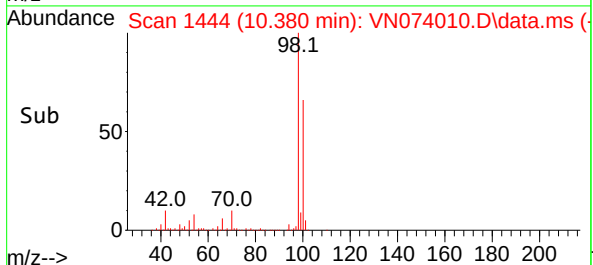
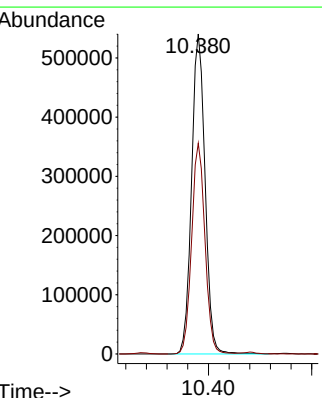
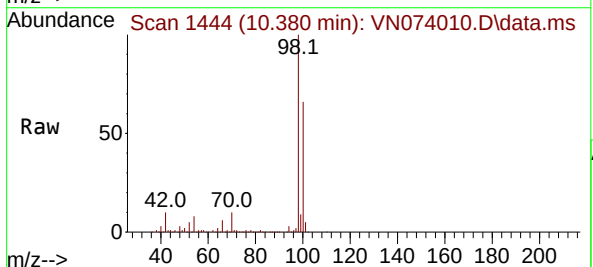
Acq: 18 Aug 2022 17:26

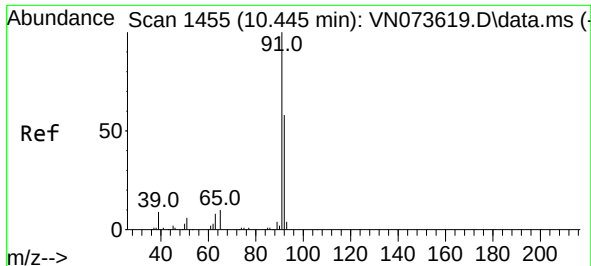
Tgt Ion: 98 Resp: 976247

Ion Ratio Lower Upper

98 100

100 65.3 52.6 78.8

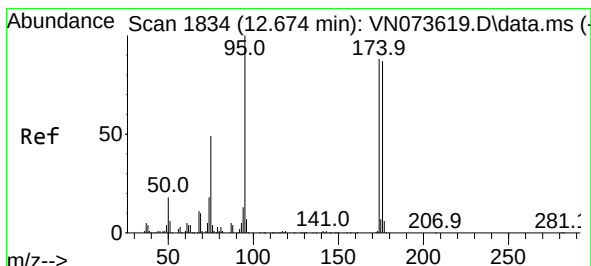
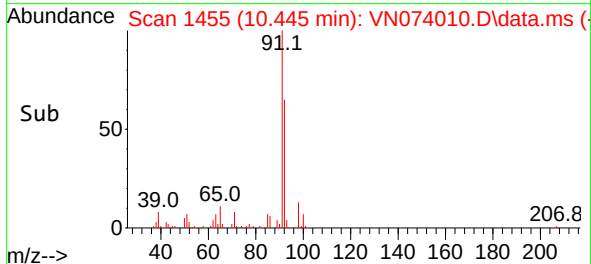
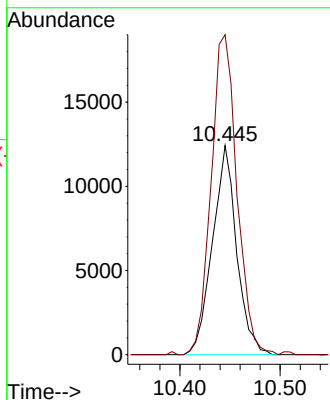
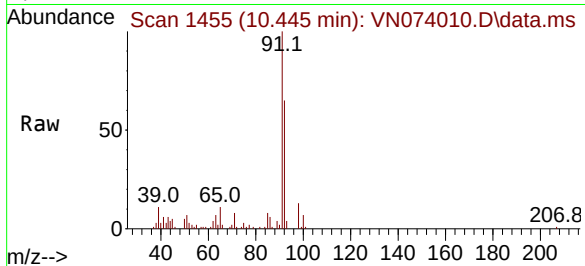




#52
Toluene
Concen: 1.266 ug/l
RT: 10.445 min Scan# 1455
Delta R.T. 0.000 min
Lab File: VN074010.D
Acq: 18 Aug 2022 17:26

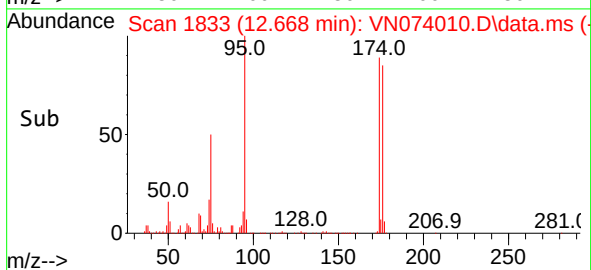
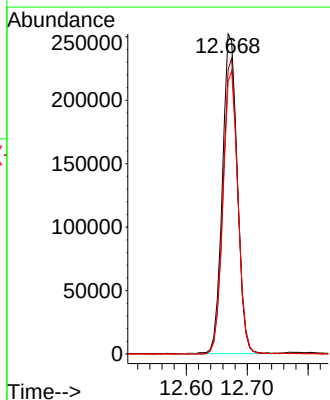
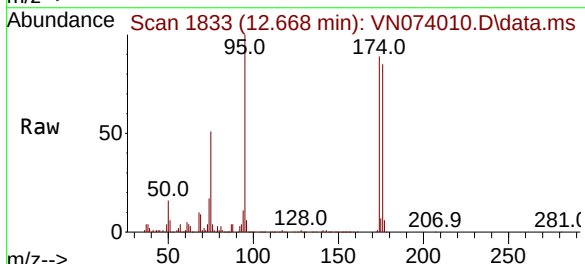
Instrument :
MSVOA_N
ClientSampleId :
220817015-02-VOA

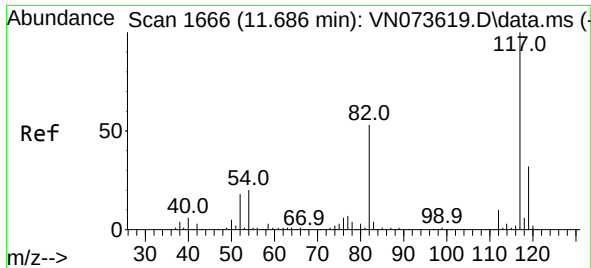
Tgt Ion: 92 Resp: 20834
Ion Ratio Lower Upper
92 100
91 163.2 138.6 207.8



#62
4-Bromofluorobenzene
Concen: 60.801 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. -0.006 min
Lab File: VN074010.D
Acq: 18 Aug 2022 17:26

Tgt Ion: 95 Resp: 427872
Ion Ratio Lower Upper
95 100
174 91.5 0.0 167.6
176 88.5 0.0 163.4

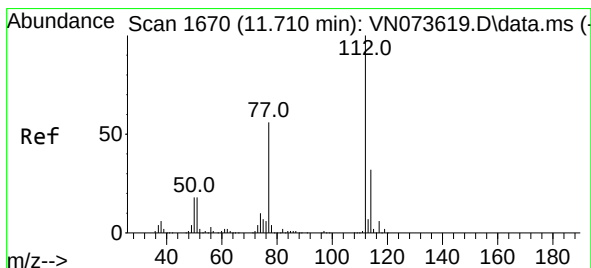
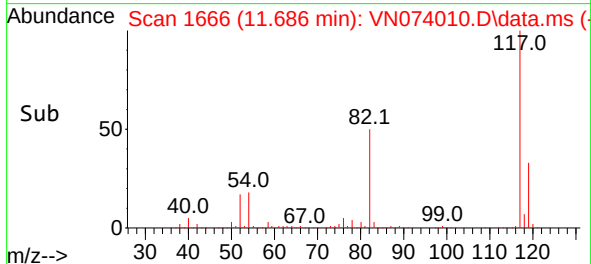
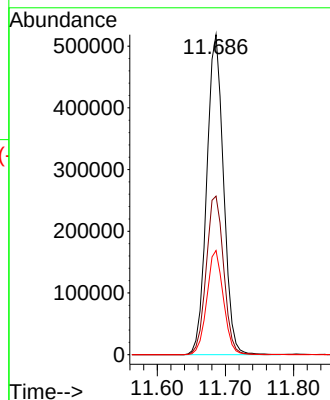
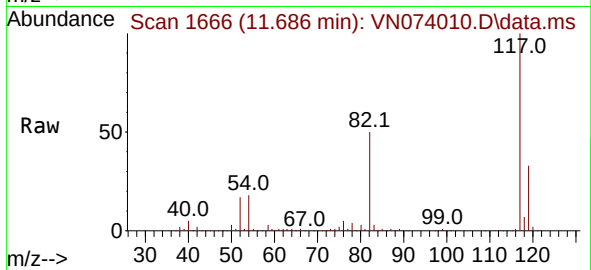




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN074010.D
Acq: 18 Aug 2022 17:26

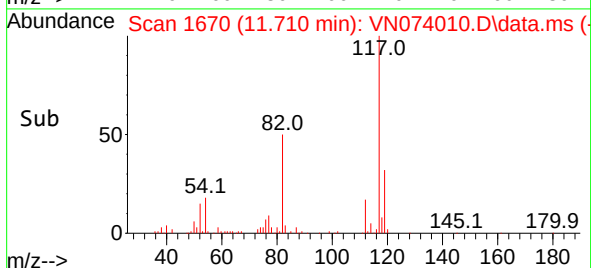
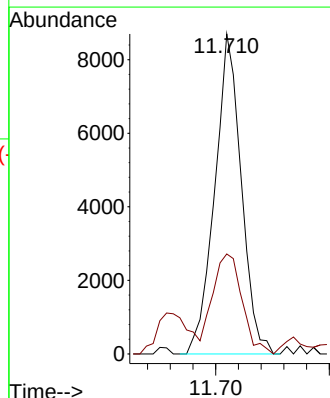
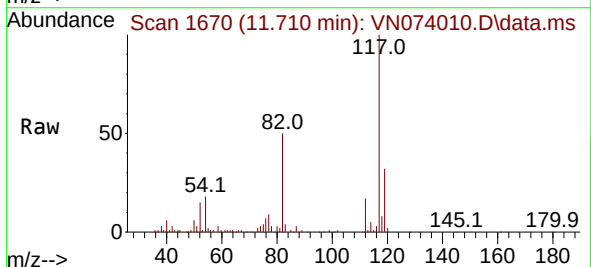
Instrument :
MSVOA_N
ClientSampleId :
220817015-02-VOA

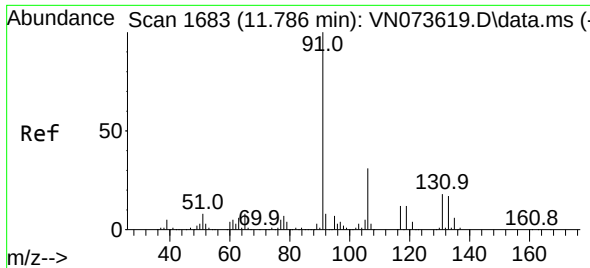
Tgt Ion:117 Resp: 886947
Ion Ratio Lower Upper
117 100
82 49.6 44.2 66.2
119 32.5 25.4 38.0



#65
Chlorobenzene
Concen: 0.748 ug/l
RT: 11.710 min Scan# 1670
Delta R.T. -0.000 min
Lab File: VN074010.D
Acq: 18 Aug 2022 17:26

Tgt Ion:112 Resp: 14093
Ion Ratio Lower Upper
112 100
114 29.1 25.4 38.2

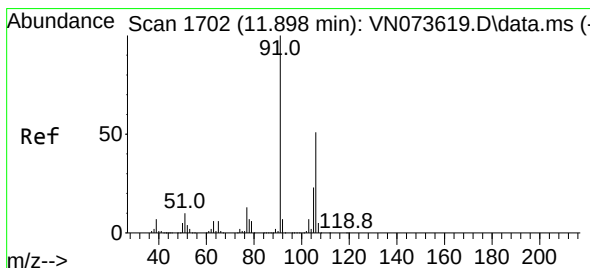
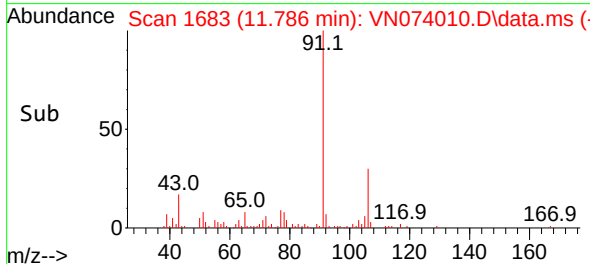
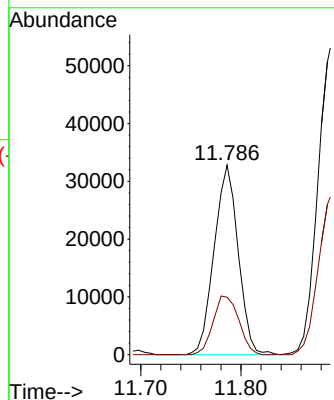
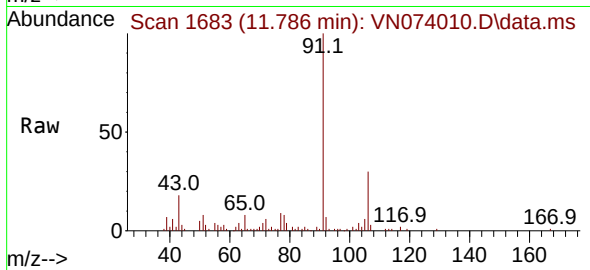




#67
Ethyl Benzene
Concen: 1.743 ug/l
RT: 11.786 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VN074010.D
Acq: 18 Aug 2022 17:26

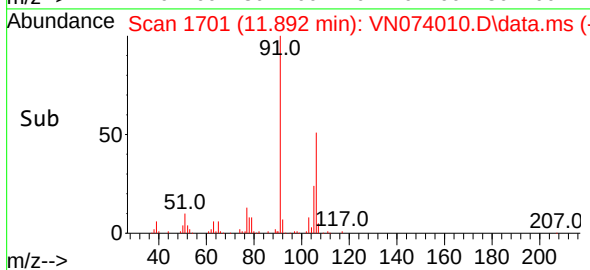
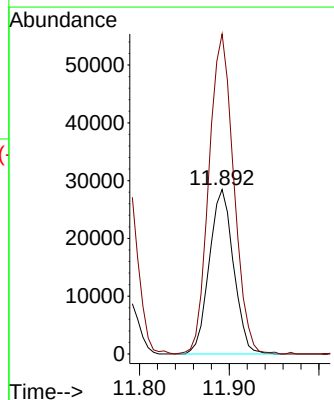
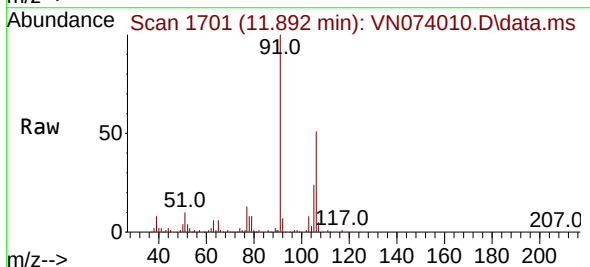
Instrument :
MSVOA_N
ClientSampleId :
220817015-02-VOA

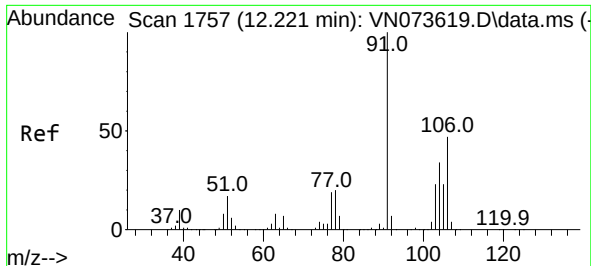
Tgt Ion: 91 Resp: 54642
Ion Ratio Lower Upper
91 100
106 30.3 24.9 37.3



#68
m/p-Xylenes
Concen: 4.193 ug/l
RT: 11.892 min Scan# 1701
Delta R.T. -0.006 min
Lab File: VN074010.D
Acq: 18 Aug 2022 17:26

Tgt Ion: 106 Resp: 53410
Ion Ratio Lower Upper
106 100
91 199.4 158.9 238.3

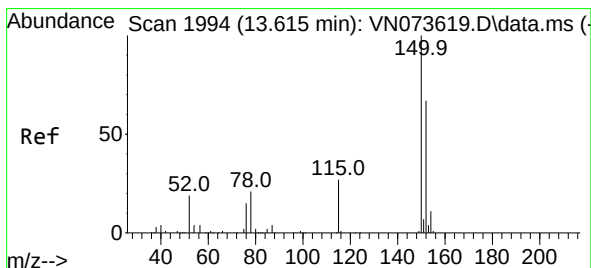
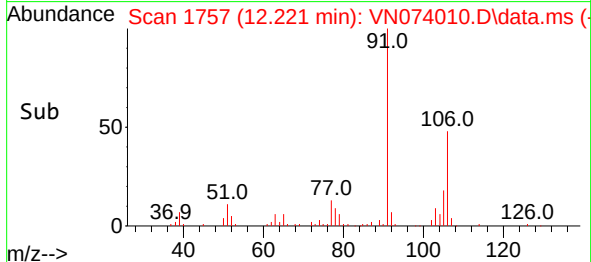
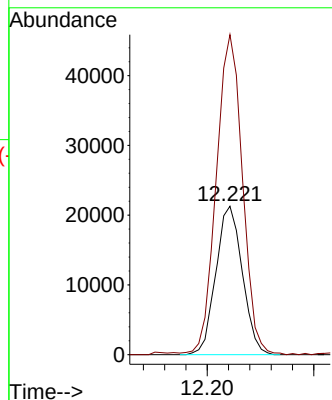
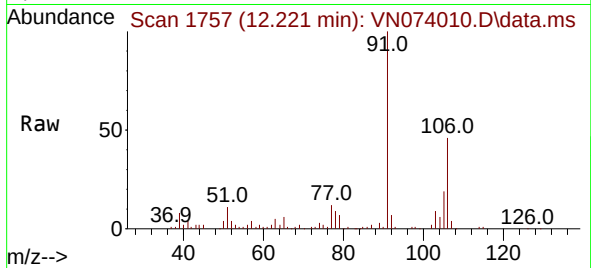




#69
o-Xylene
Concen: 2.877 ug/l
RT: 12.221 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN074010.D
Acq: 18 Aug 2022 17:26

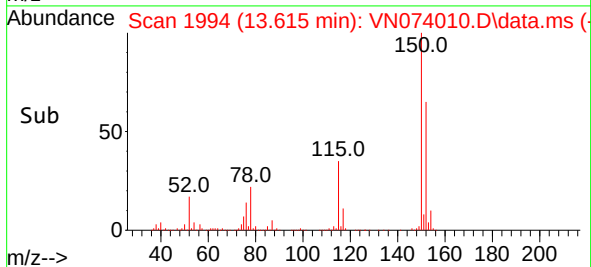
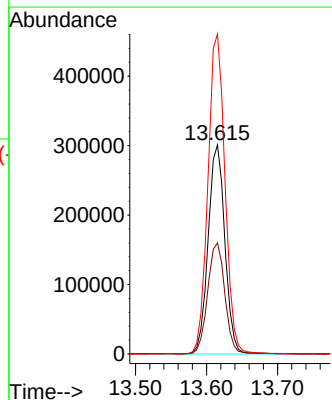
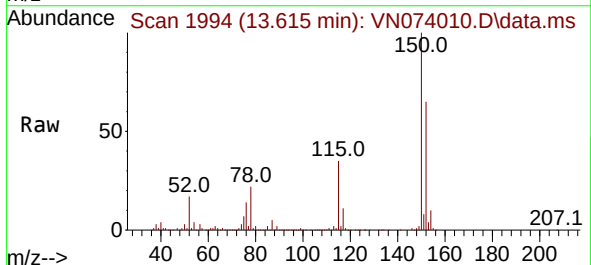
Instrument :
MSVOA_N
ClientSampleId :
220817015-02-VOA

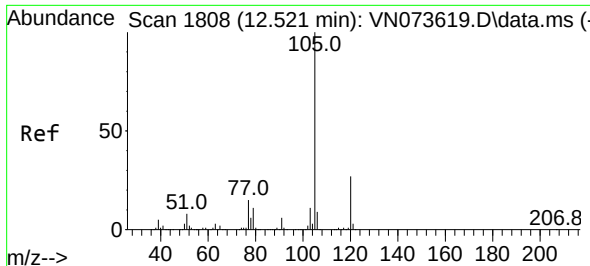
Tgt Ion:106 Resp: 36742
Ion Ratio Lower Upper
106 100
91 213.1 106.0 318.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.615 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VN074010.D
Acq: 18 Aug 2022 17:26

Tgt Ion:152 Resp: 493307
Ion Ratio Lower Upper
152 100
115 54.2 28.9 86.7
150 156.0 0.0 356.2

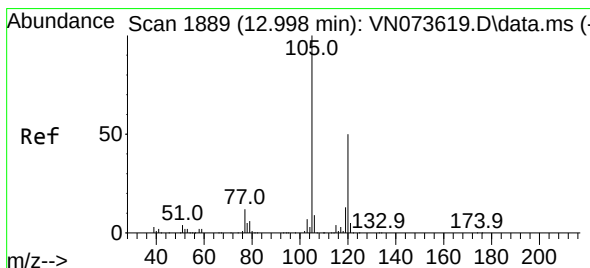
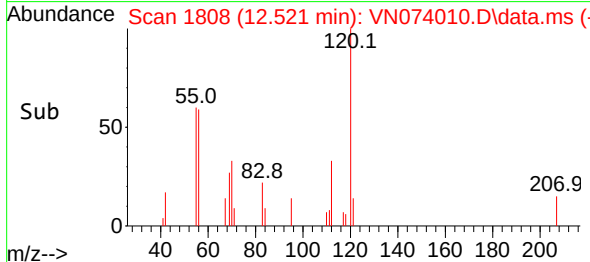
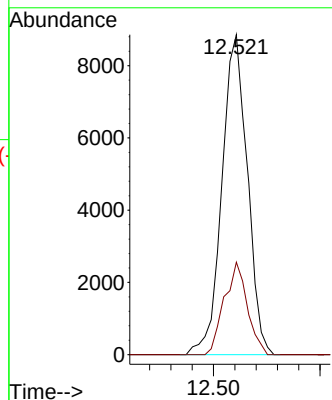
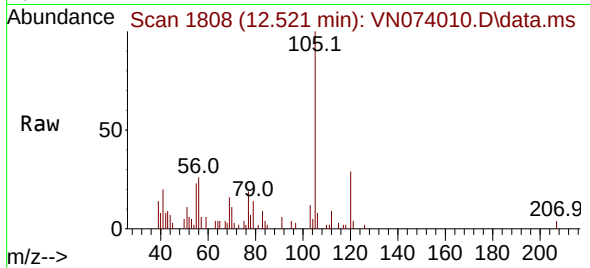




#73
Isopropylbenzene
Concen: 0.408 ug/l
RT: 12.521 min Scan# 1808
Delta R.T. 0.000 min
Lab File: VN074010.D
Acq: 18 Aug 2022 17:26

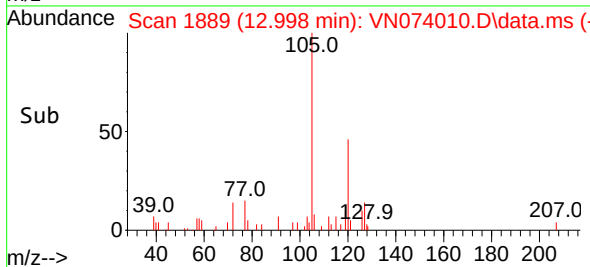
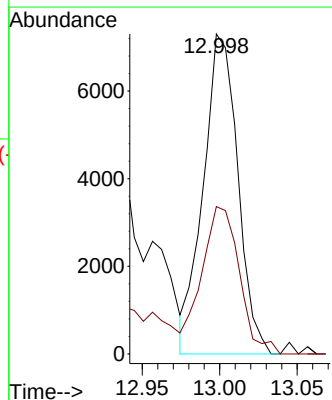
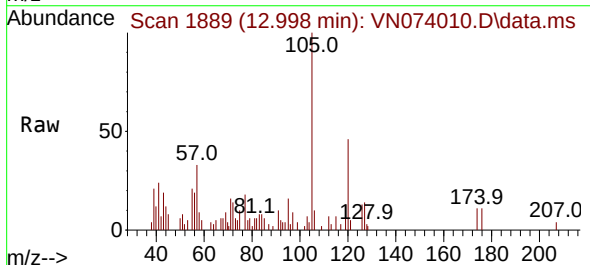
Instrument :
MSVOA_N
ClientSampleId :
220817015-02-VOA

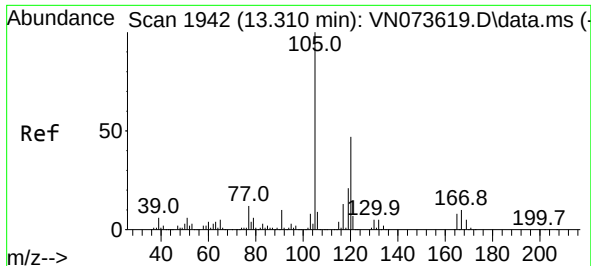
Tgt Ion:105 Resp: 14662
Ion Ratio Lower Upper
105 100
120 26.1 13.5 40.4



#80
1,3,5-Trimethylbenzene
Concen: 0.387 ug/l
RT: 12.998 min Scan# 1889
Delta R.T. -0.000 min
Lab File: VN074010.D
Acq: 18 Aug 2022 17:26

Tgt Ion:105 Resp: 11307
Ion Ratio Lower Upper
105 100
120 50.4 24.9 74.7

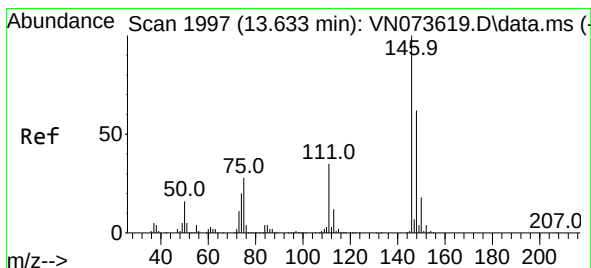
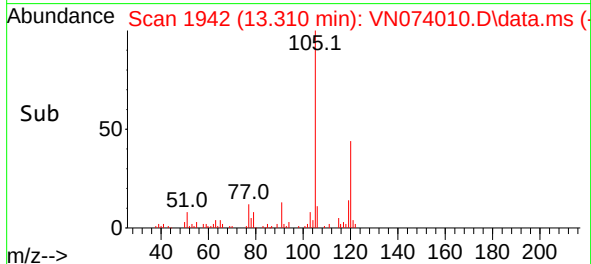
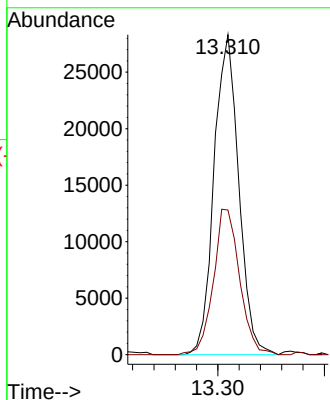
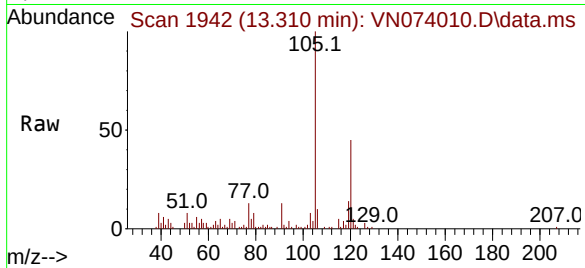




#84
 1,2,4-Trimethylbenzene
 Concen: 1.558 ug/l
 RT: 13.310 min Scan# 1942
 Delta R.T. -0.000 min
 Lab File: VN074010.D
 Acq: 18 Aug 2022 17:26

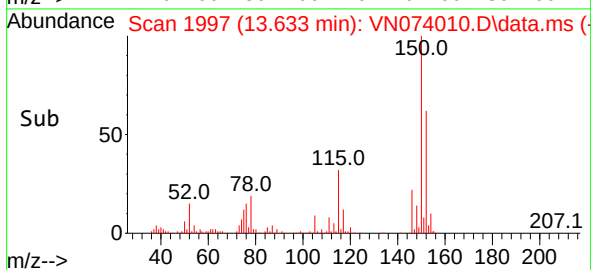
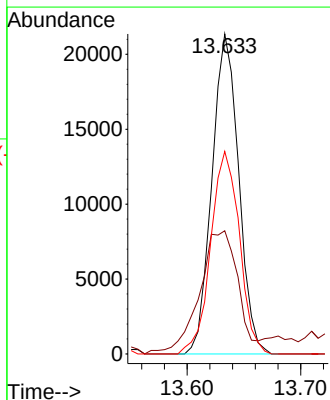
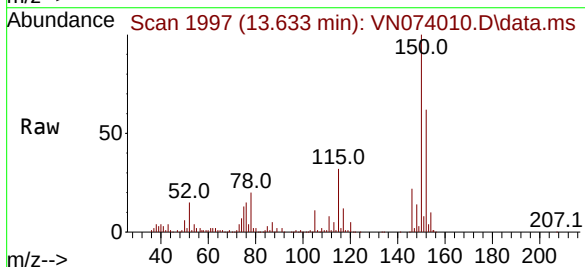
Instrument :
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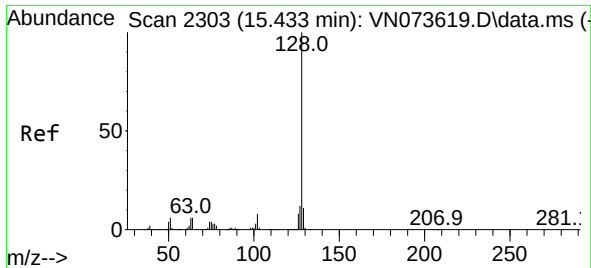
Tgt Ion:105 Resp: 45469
 Ion Ratio Lower Upper
 105 100
 120 48.2 23.3 69.8



#88
 1,4-Dichlorobenzene
 Concen: 2.043 ug/l
 RT: 13.633 min Scan# 1997
 Delta R.T. 0.000 min
 Lab File: VN074010.D
 Acq: 18 Aug 2022 17:26

Tgt Ion:146 Resp: 34907
 Ion Ratio Lower Upper
 146 100
 111 55.6 19.1 57.1
 148 68.1 31.4 94.3





#95

Naphthalene

Concen: 5.297 ug/l

RT: 15.433 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN074010.D

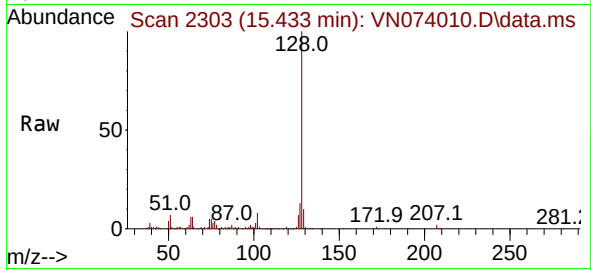
Acq: 18 Aug 2022 17:26

Instrument :

MSVOA_N

ClientSampleId :

220817015-02-VOA



Tgt Ion:128 Resp: 183015

Ion Ratio Lower Upper

128 100

127 13.3 10.3 15.5

129 11.1 8.6 13.0

