

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062024\
 Data File : VN082664.D
 Acq On : 20 Jun 2024 13:34
 Operator : JC\MD
 Sample : P2981-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 240619096-02-VOA

Quant Time: Jun 21 02:05:26 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061724W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 18 04:52:44 2024
 Response via : Initial Calibration

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

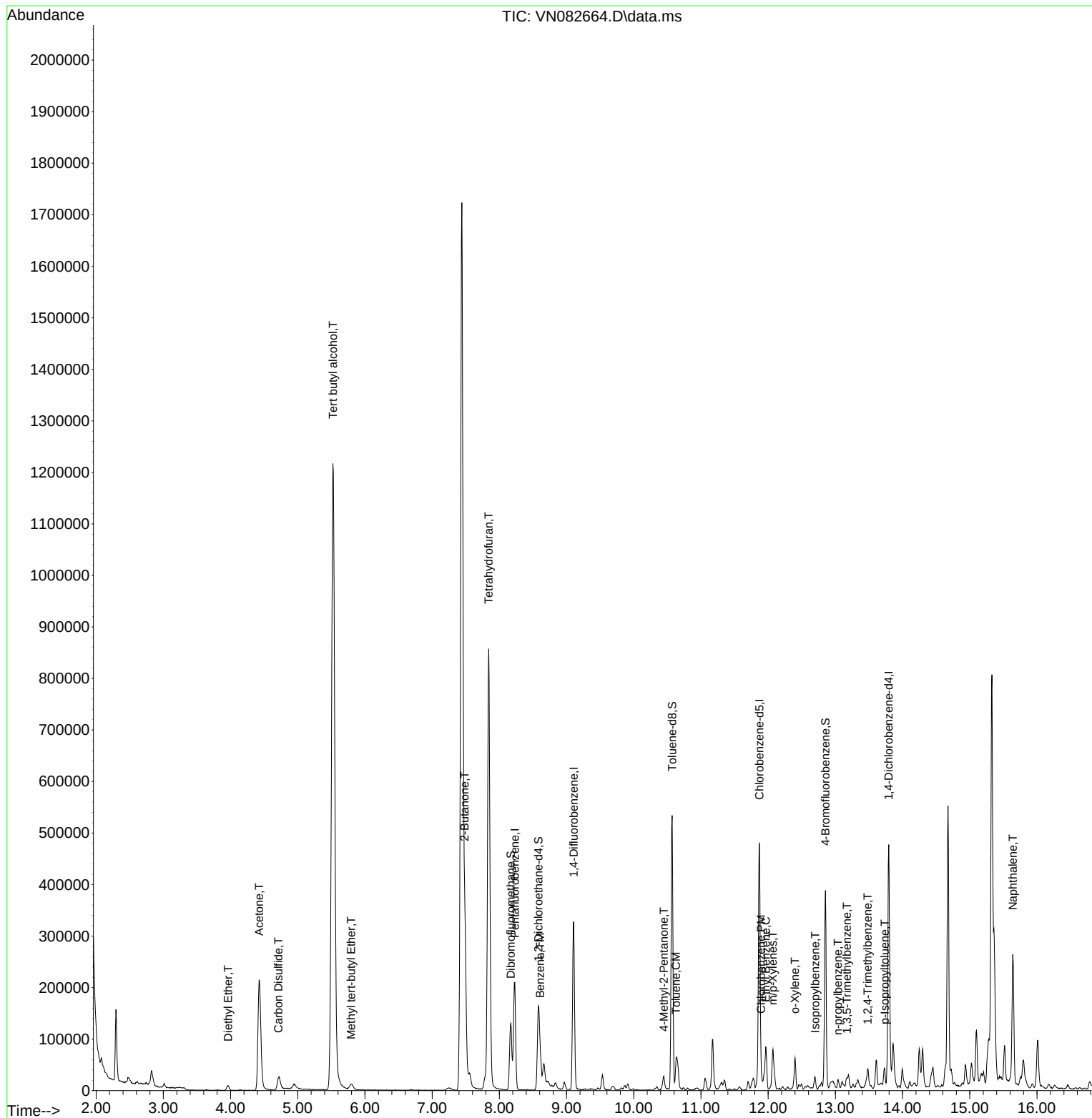
Internal Standards						
1) Pentafluorobenzene	8.230	168	149182	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	258886	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	260335	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	116582	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	125973	52.657	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.320%			
35) Dibromofluoromethane	8.171	113	91826	52.285	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.580%			
50) Toluene-d8	10.571	98	341146	51.366	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.740%			
62) 4-Bromofluorobenzene	12.853	95	120197	52.493	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 104.980%			
Target Compounds						Qvalue
8) Diethyl Ether	3.965	74	4243	4.018	ug/l	89
11) Tert butyl alcohol	5.524	59	2180965	5570.204	ug/l	99
16) Acetone	4.424	43	399400	367.093	ug/l	97
17) Carbon Disulfide	4.712	76	16896	3.203	ug/l #	94
19) Methyl tert-butyl Ether	5.794	73	15033	2.644	ug/l #	83
25) 2-Butanone	7.483	43	587298	379.768	ug/l	98
29) Tetrahydrofuran	7.841	42	675294	713.306	ug/l	99
40) Benzene	8.606	78	39987	4.929	ug/l	96
51) 4-Methyl-2-Pentanone	10.447	43	20269	6.323	ug/l #	83
52) Toluene	10.629	92	21878	4.450	ug/l	99
65) Chlorobenzene	11.894	112	8110	1.358	ug/l	89
67) Ethyl Benzene	11.965	91	48595	4.777	ug/l	98
68) m/p-Xylenes	12.070	106	22441	5.930	ug/l	97
69) o-Xylene	12.400	106	13513	3.801	ug/l	96
73) Isopropylbenzene	12.700	105	9967	1.126	ug/l	98
78) n-propylbenzene	13.035	91	5783	0.552	ug/l	96
80) 1,3,5-Trimethylbenzene	13.170	105	3593	0.500	ug/l	91
84) 1,2,4-Trimethylbenzene	13.482	105	17843	2.476	ug/l	97
86) p-Isopropyltoluene	13.735	119	17936	2.563	ug/l	94
95) Naphthalene	15.641	128	221431	33.835	ug/l	100

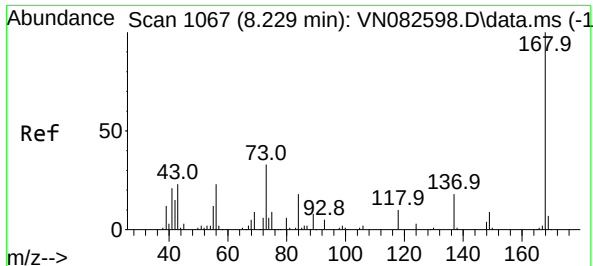
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062024\
Data File : VN082664.D
Acq On : 20 Jun 2024 13:34
Operator : JC\MD
Sample : P2981-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
240619096-02-VOA

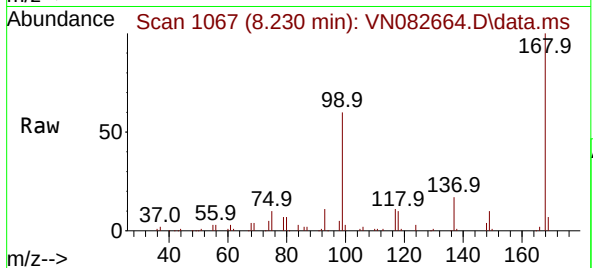
Quant Time: Jun 21 02:05:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061724W.M
Quant Title : SW846 8260
QLast Update : Tue Jun 18 04:52:44 2024
Response via : Initial Calibration



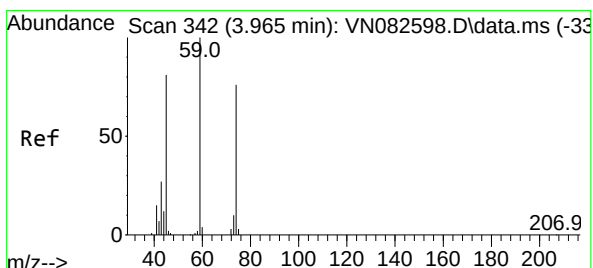
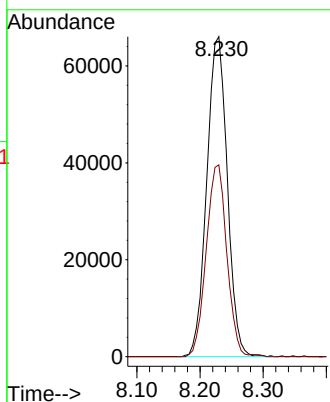
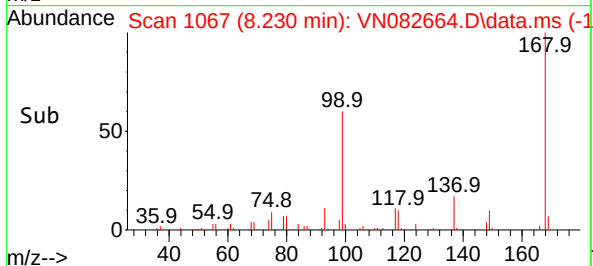


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. 0.001 min
Lab File: VN082664.D
Acq: 20 Jun 2024 13:34

Instrument :
MSVOA_N
ClientSampleId :
240619096-02-VOA

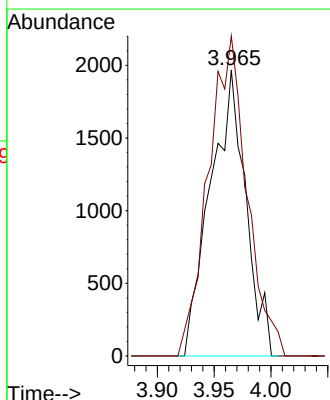
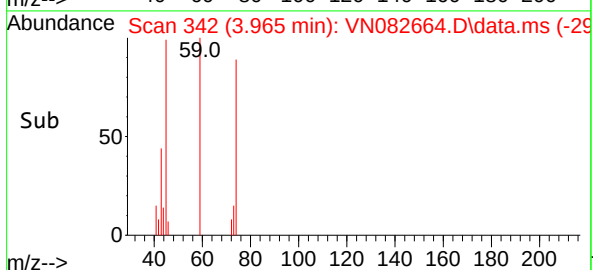
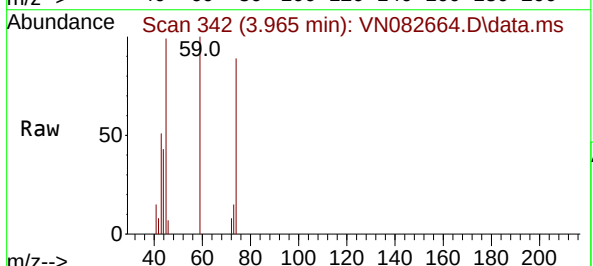


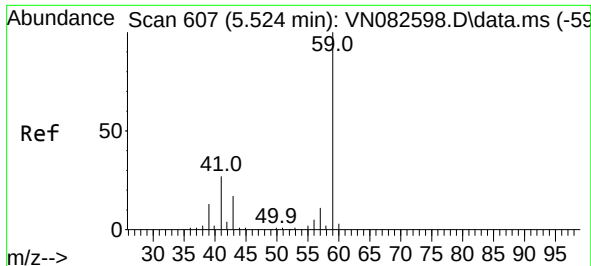
Tgt Ion:168 Resp: 149182
Ion Ratio Lower Upper
168 100
99 59.9 48.2 72.4



#8
Diethyl Ether
Concen: 4.018 ug/l
RT: 3.965 min Scan# 342
Delta R.T. 0.000 min
Lab File: VN082664.D
Acq: 20 Jun 2024 13:34

Tgt Ion: 74 Resp: 4243
Ion Ratio Lower Upper
74 100
45 122.2 55.5 166.3

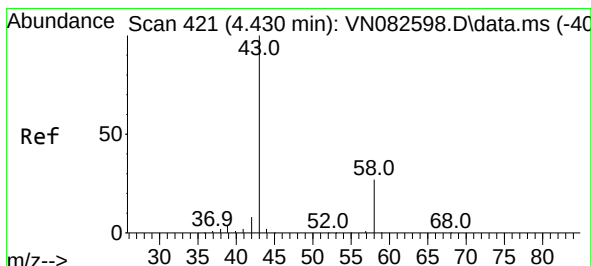
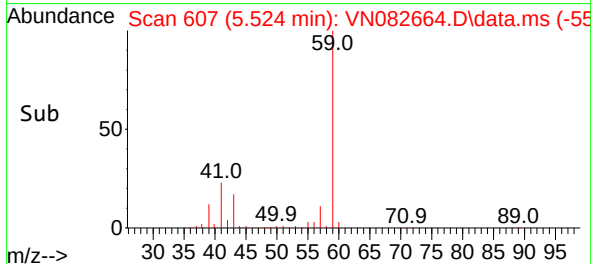
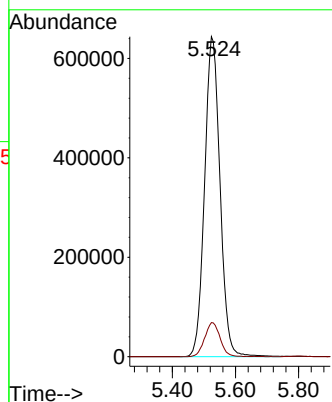
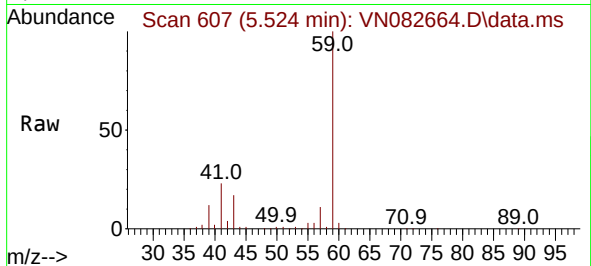




#11
Tert butyl alcohol
Concen: 5570.204 ug/l
RT: 5.524 min Scan# 607
Delta R.T. 0.000 min
Lab File: VN082664.D
Acq: 20 Jun 2024 13:34

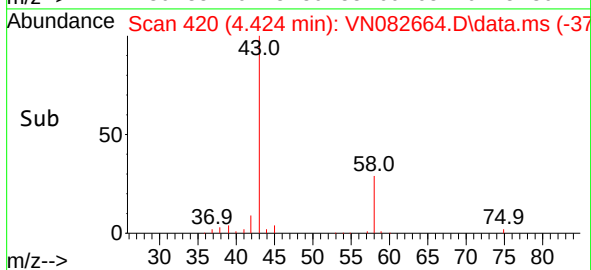
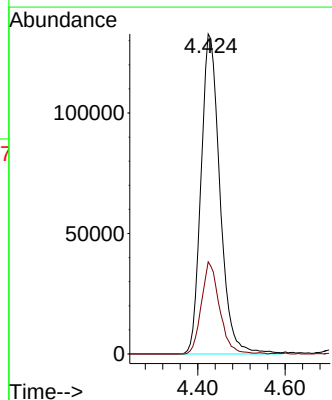
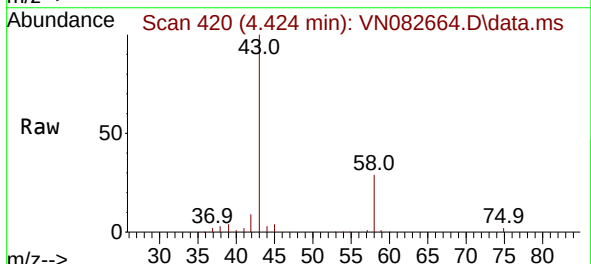
Instrument :
MSVOA_N
ClientSampleId :
240619096-02-VOA

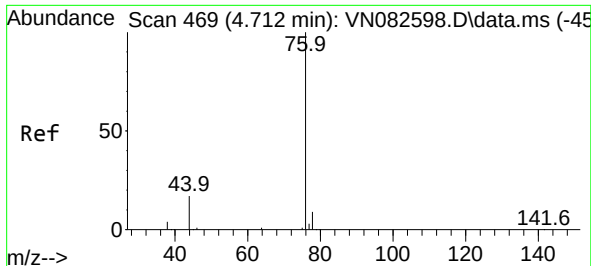
Tgt Ion: 59 Resp: 2180965
Ion Ratio Lower Upper
59 100
57 10.7 8.9 13.3



#16
Acetone
Concen: 367.093 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.006 min
Lab File: VN082664.D
Acq: 20 Jun 2024 13:34

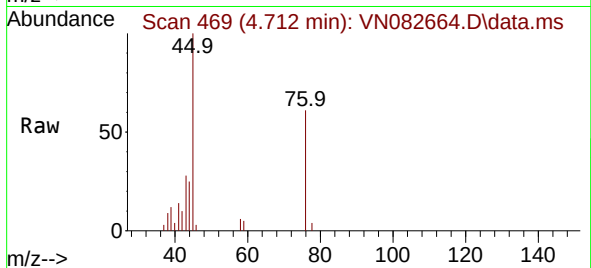
Tgt Ion: 43 Resp: 399400
Ion Ratio Lower Upper
43 100
58 28.8 21.8 32.6



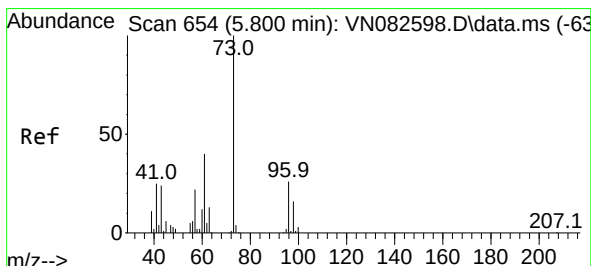
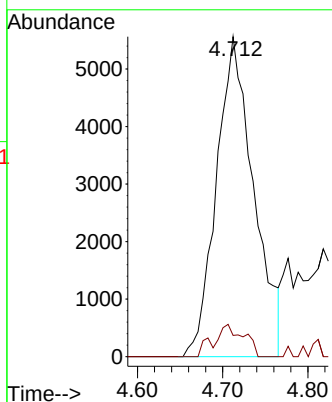
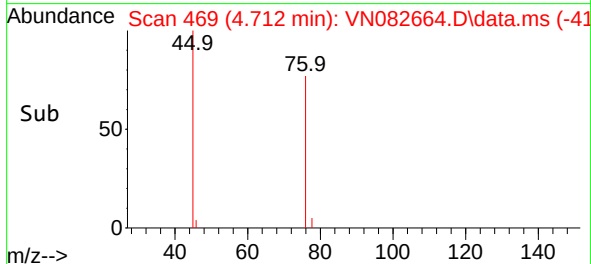


#17
Carbon Disulfide
Concen: 3.203 ug/l
RT: 4.712 min Scan# 469
Delta R.T. 0.000 min
Lab File: VN082664.D
Acq: 20 Jun 2024 13:34

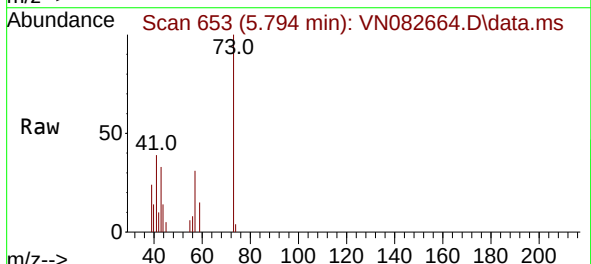
Instrument :
MSVOA_N
ClientSampleId :
240619096-02-VOA



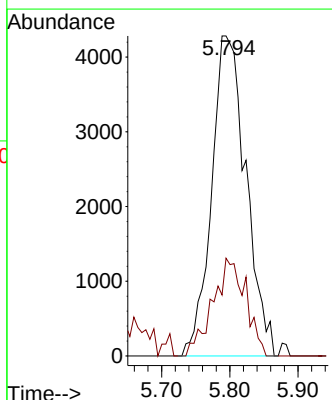
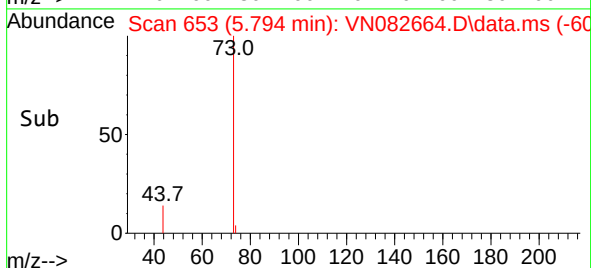
Tgt Ion: 76 Resp: 16896
Ion Ratio Lower Upper
76 100
78 6.7 7.2 10.8#

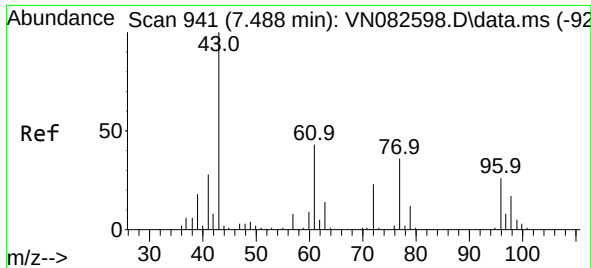


#19
Methyl tert-butyl Ether
Concen: 2.644 ug/l
RT: 5.794 min Scan# 653
Delta R.T. -0.006 min
Lab File: VN082664.D
Acq: 20 Jun 2024 13:34



Tgt Ion: 73 Resp: 15033
Ion Ratio Lower Upper
73 100
57 30.5 17.9 26.9#

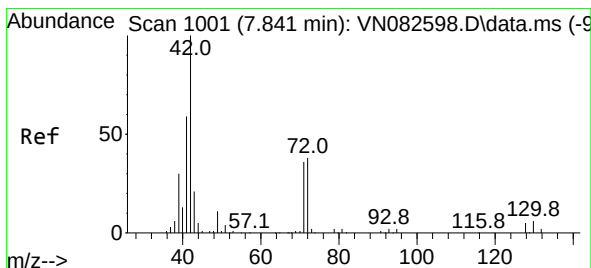
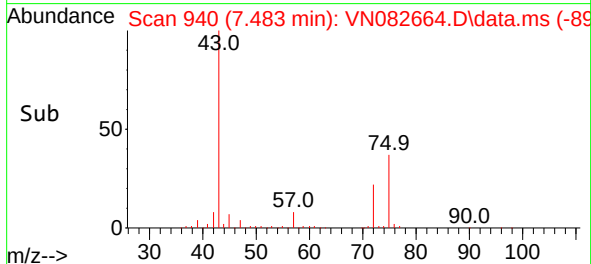
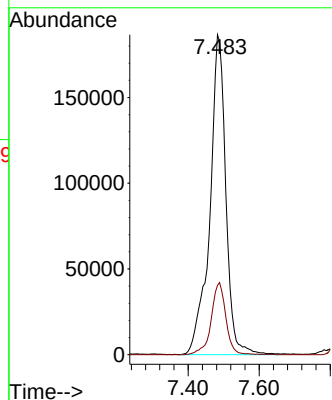
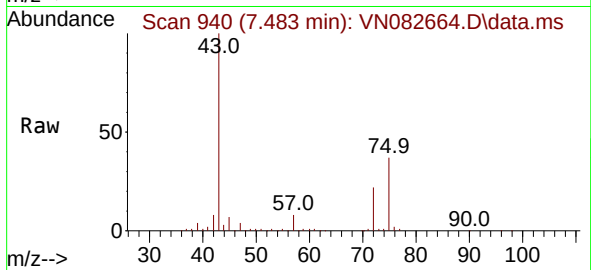




#25
2-Butanone
Concen: 379.768 ug/l
RT: 7.483 min Scan# 941
Delta R.T. -0.006 min
Lab File: VN082664.D
Acq: 20 Jun 2024 13:34

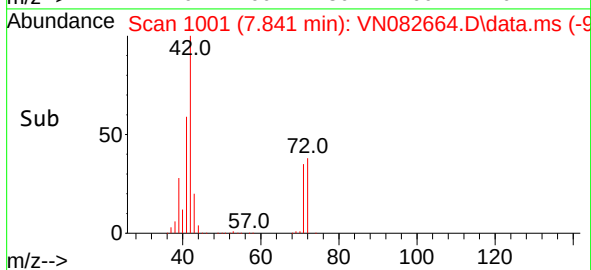
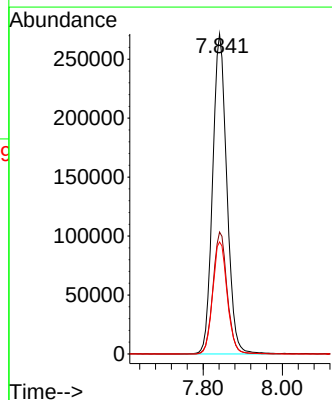
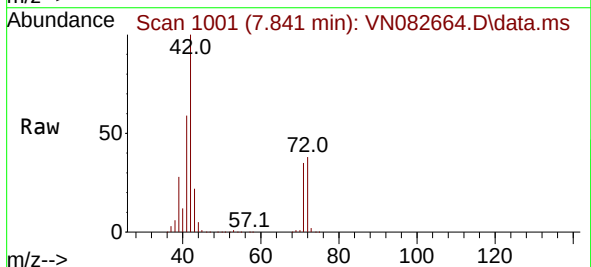
Instrument :
MSVOA_N
ClientSampleId :
240619096-02-VOA

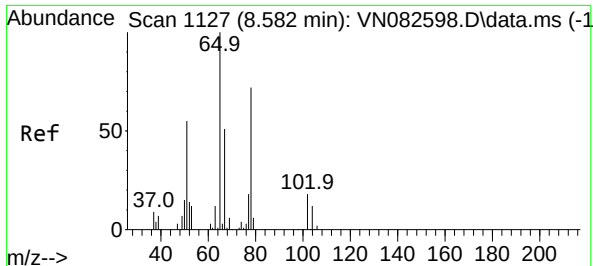
Tgt Ion: 43 Resp: 587298
Ion Ratio Lower Upper
43 100
72 21.6 18.2 27.2



#29
Tetrahydrofuran
Concen: 713.306 ug/l
RT: 7.841 min Scan# 1001
Delta R.T. 0.000 min
Lab File: VN082664.D
Acq: 20 Jun 2024 13:34

Tgt Ion: 42 Resp: 675294
Ion Ratio Lower Upper
42 100
72 38.0 30.0 45.0
71 35.6 28.3 42.5





#33

1,2-Dichloroethane-d4

Concen: 52.657 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN082664.D

Acq: 20 Jun 2024 13:34

Instrument :

MSVOA_N

ClientSampleId :

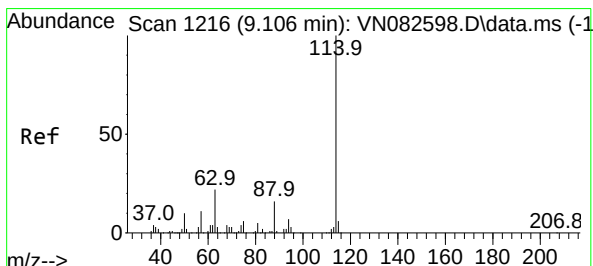
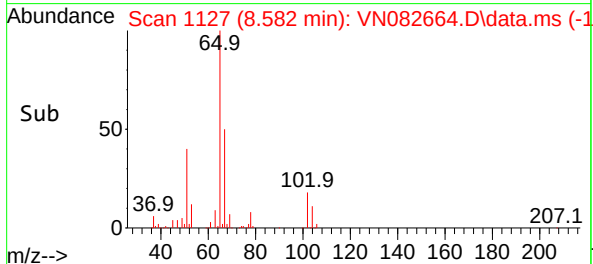
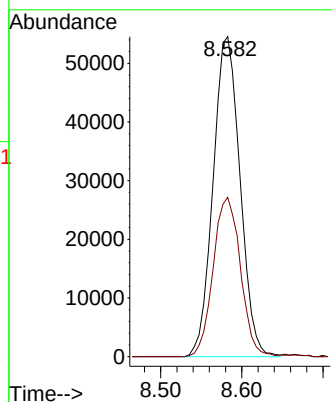
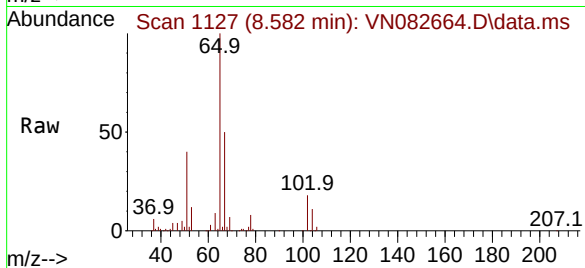
240619096-02-VOA

Tgt Ion: 65 Resp: 125973

Ion Ratio Lower Upper

65 100

67 50.4 0.0 104.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.000 min

Lab File: VN082664.D

Acq: 20 Jun 2024 13:34

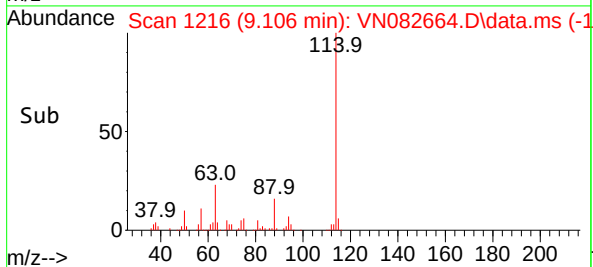
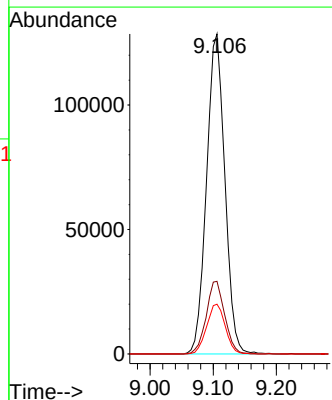
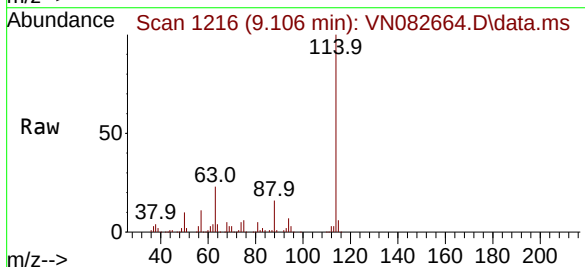
Tgt Ion: 114 Resp: 258886

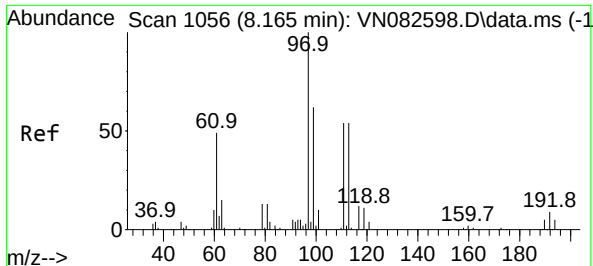
Ion Ratio Lower Upper

114 100

63 22.7 0.0 44.6

88 15.6 0.0 31.4

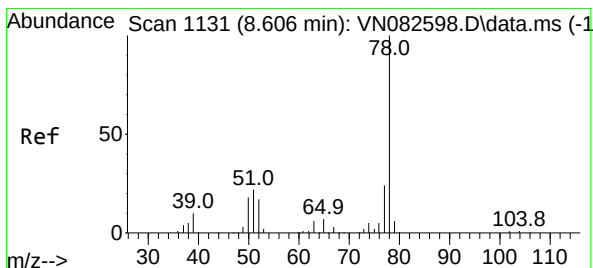
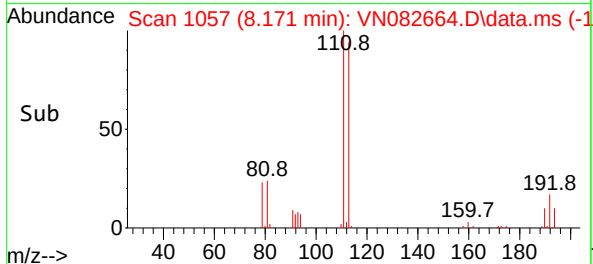
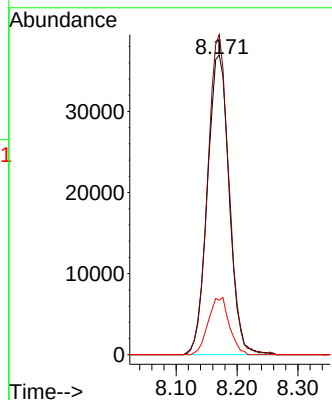
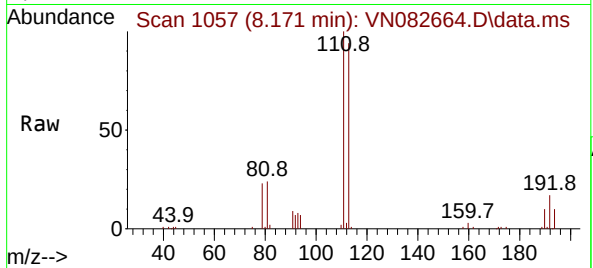




#35
Dibromofluoromethane
Concen: 52.285 ug/l
RT: 8.171 min Scan# 1107
Delta R.T. 0.006 min
Lab File: VN082664.D
Acq: 20 Jun 2024 13:34

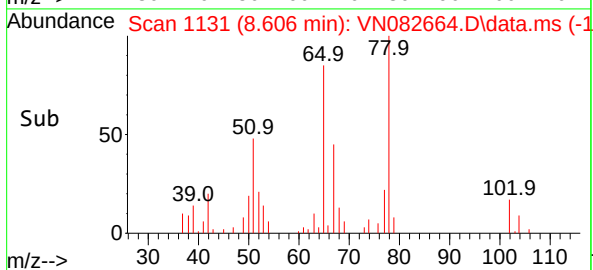
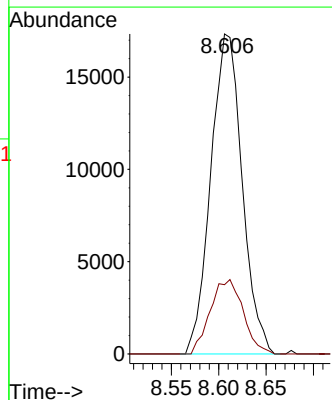
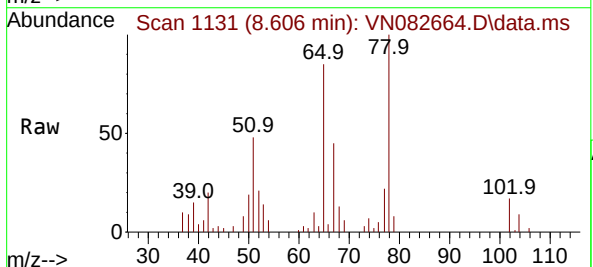
Instrument :
MSVOA_N
ClientSampleId :
240619096-02-VOA

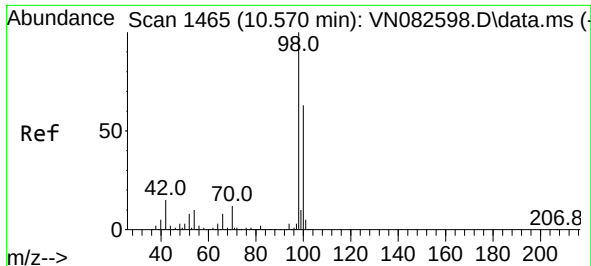
Tgt Ion:113 Resp: 91826
Ion Ratio Lower Upper
113 100
111 104.1 82.4 123.6
192 18.4 14.9 22.3



#40
Benzene
Concen: 4.929 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VN082664.D
Acq: 20 Jun 2024 13:34

Tgt Ion: 78 Resp: 39987
Ion Ratio Lower Upper
78 100
77 21.7 19.0 28.4

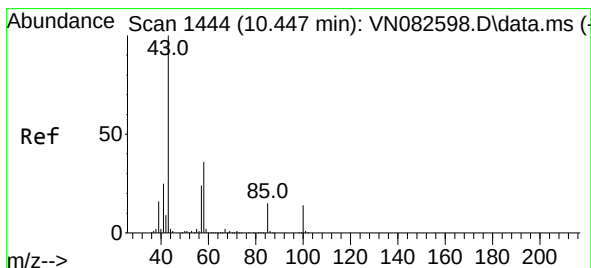
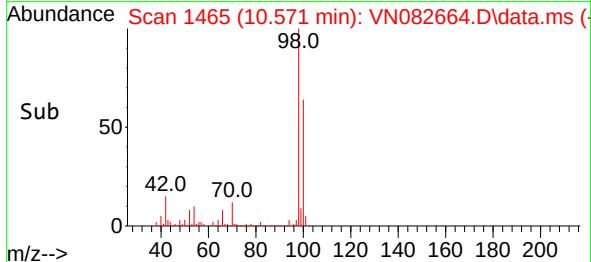
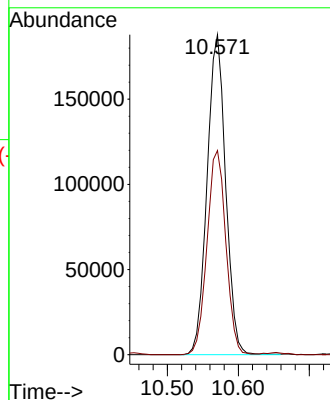
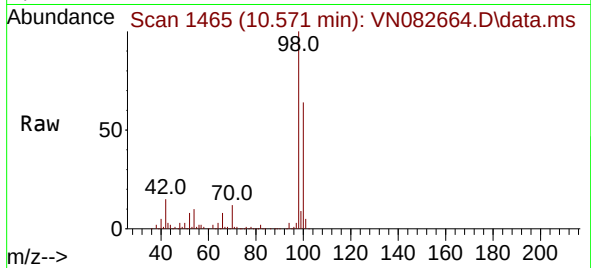




#50
Toluene-d8
Concen: 51.366 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN082664.D
Acq: 20 Jun 2024 13:34

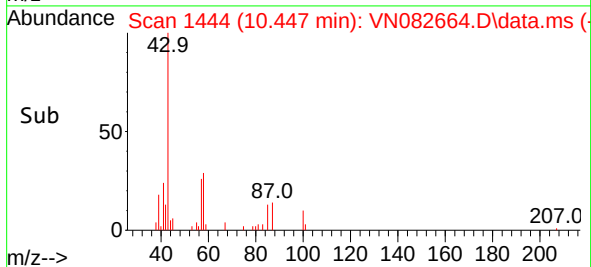
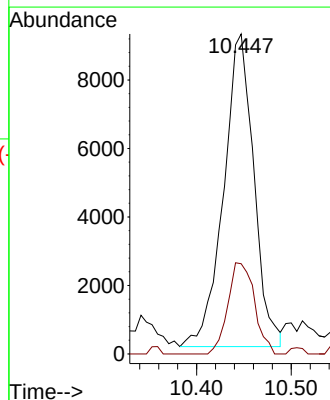
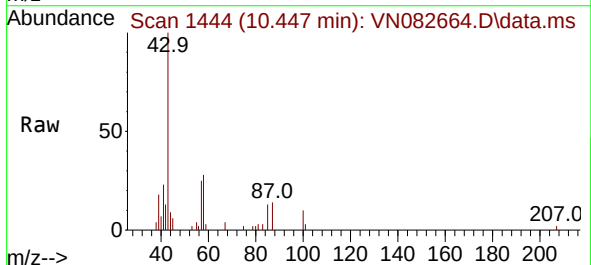
Instrument :
MSVOA_N
ClientSampleId :
240619096-02-VOA

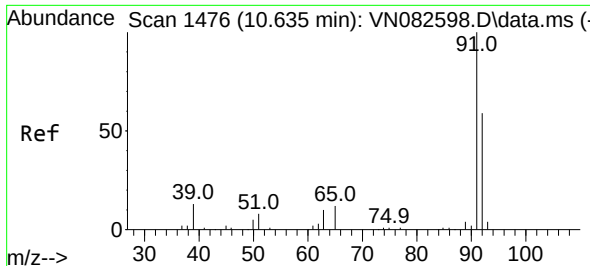
Tgt Ion: 98 Resp: 341146
Ion Ratio Lower Upper
98 100
100 64.9 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 6.323 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN082664.D
Acq: 20 Jun 2024 13:34

Tgt Ion: 43 Resp: 20269
Ion Ratio Lower Upper
43 100
58 25.6 28.2 42.4#

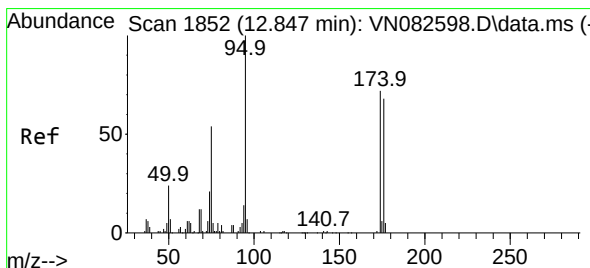
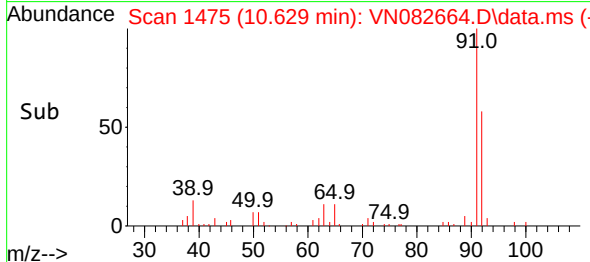
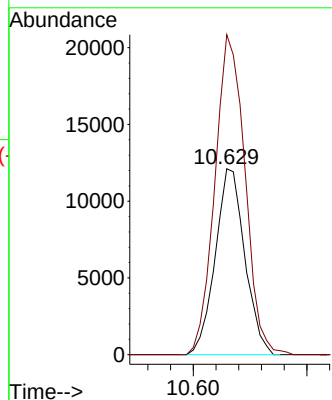
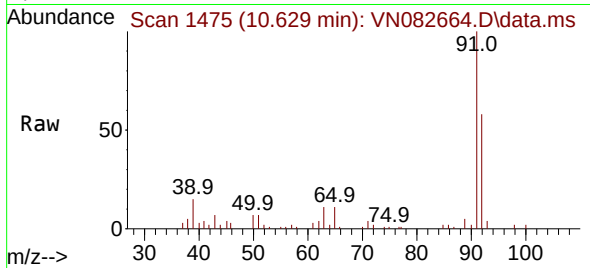




#52
Toluene
Concen: 4.450 ug/l
RT: 10.629 min Scan# 1476
Delta R.T. -0.006 min
Lab File: VN082664.D
Acq: 20 Jun 2024 13:34

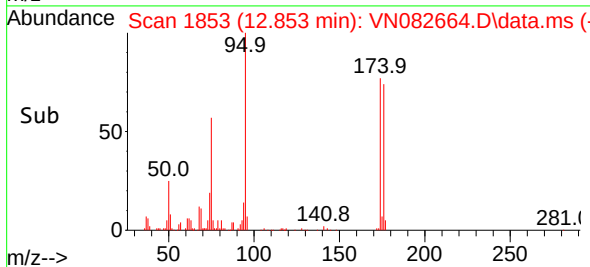
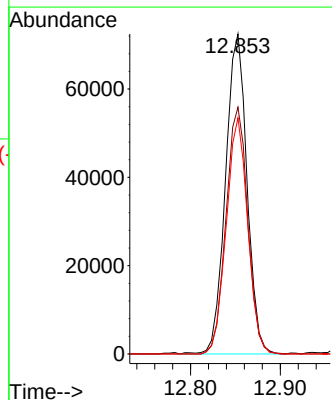
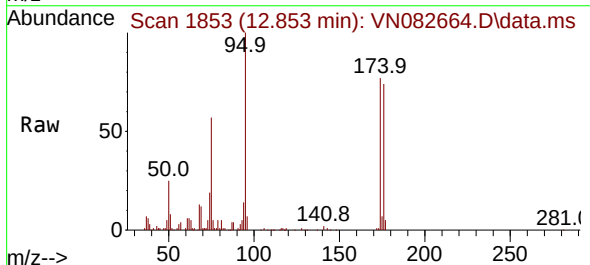
Instrument :
MSVOA_N
ClientSampleId :
240619096-02-VOA

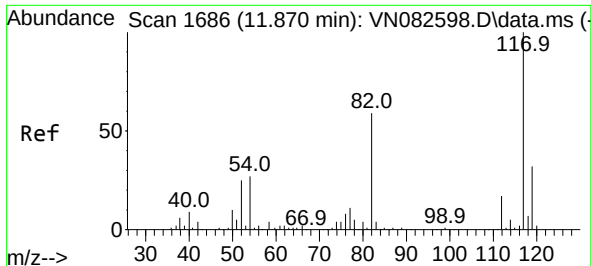
Tgt Ion: 92 Resp: 21878
Ion Ratio Lower Upper
92 100
91 175.3 139.4 209.0



#62
4-Bromofluorobenzene
Concen: 52.493 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082664.D
Acq: 20 Jun 2024 13:34

Tgt Ion: 95 Resp: 120197
Ion Ratio Lower Upper
95 100
174 78.2 0.0 159.2
176 73.5 0.0 147.6

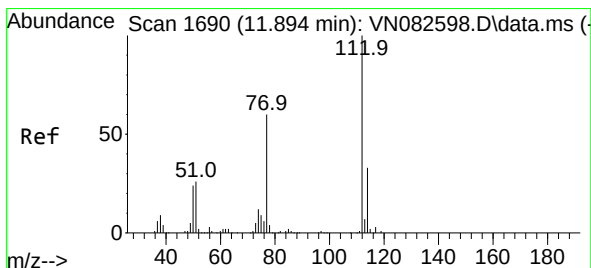
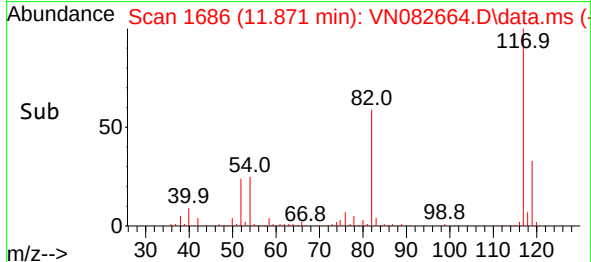
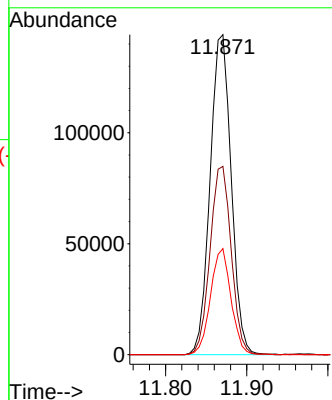
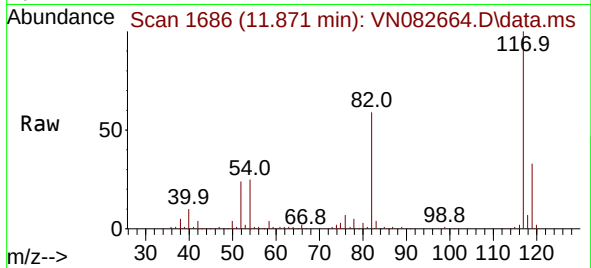




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN082664.D
Acq: 20 Jun 2024 13:34

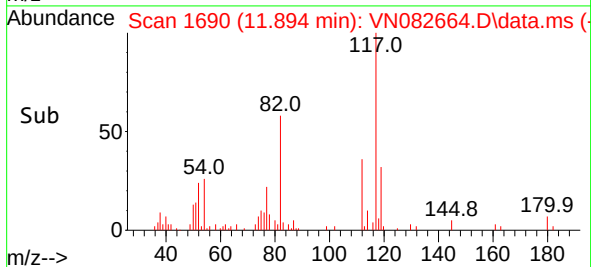
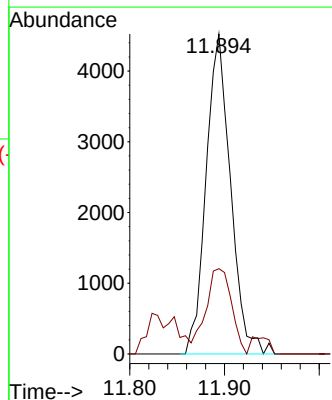
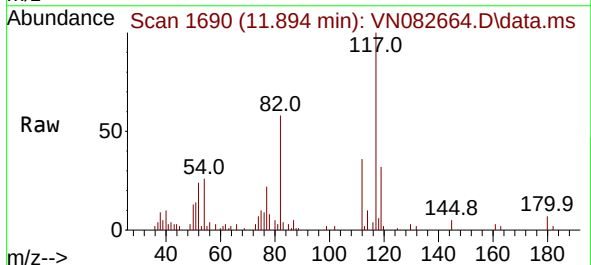
Instrument :
MSVOA_N
ClientSampleId :
240619096-02-VOA

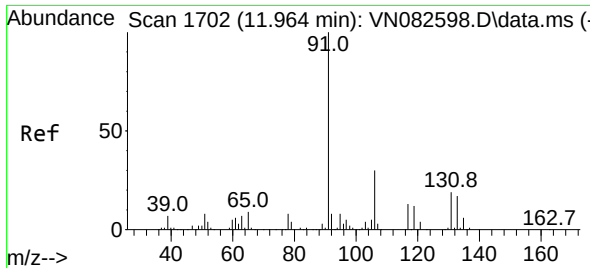
Tgt Ion:117 Resp: 260335
Ion Ratio Lower Upper
117 100
82 58.8 47.5 71.3
119 33.1 25.6 38.4



#65
Chlorobenzene
Concen: 1.358 ug/l
RT: 11.894 min Scan# 1690
Delta R.T. 0.000 min
Lab File: VN082664.D
Acq: 20 Jun 2024 13:34

Tgt Ion:112 Resp: 8110
Ion Ratio Lower Upper
112 100
114 26.7 26.2 39.2

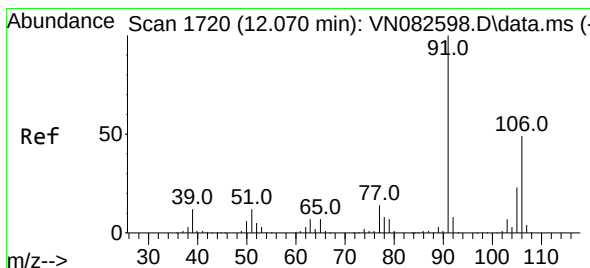
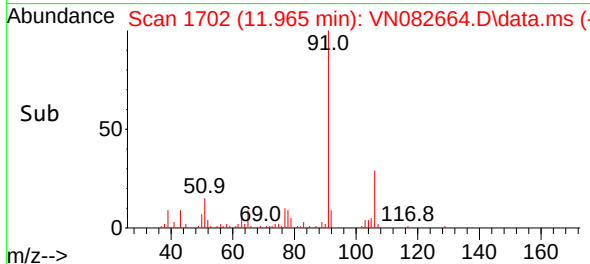
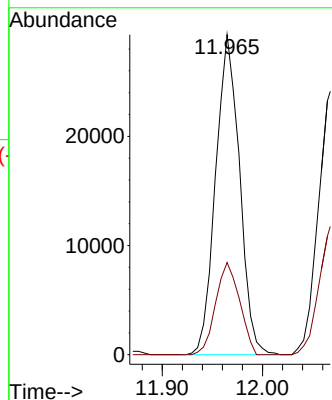
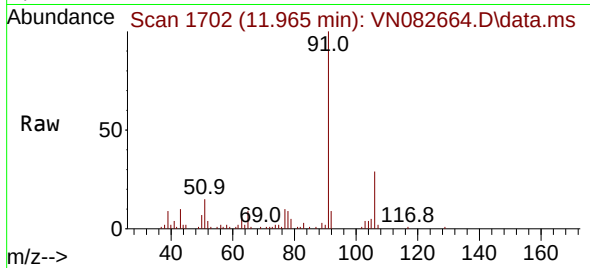




#67
Ethyl Benzene
Concen: 4.777 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.000 min
Lab File: VN082664.D
Acq: 20 Jun 2024 13:34

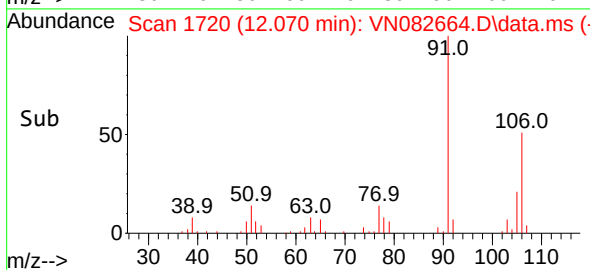
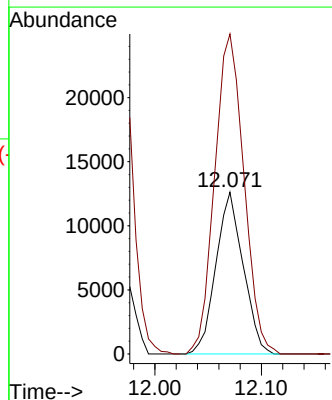
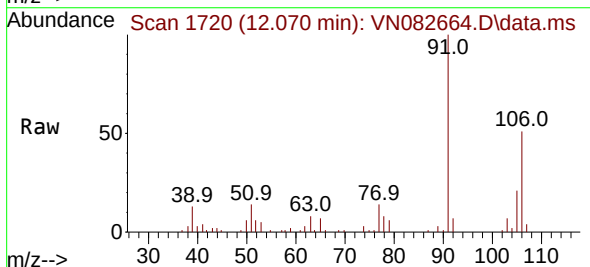
Instrument :
MSVOA_N
ClientSampleId :
240619096-02-VOA

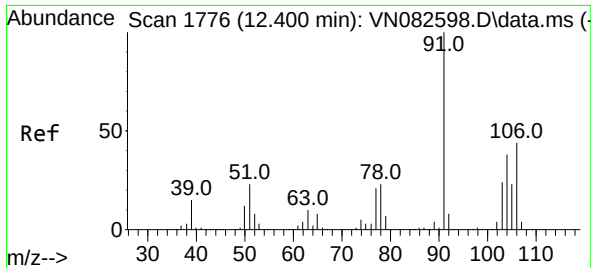
Tgt Ion: 91 Resp: 48595
Ion Ratio Lower Upper
91 100
106 28.8 24.0 36.0



#68
m/p-Xylenes
Concen: 5.930 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN082664.D
Acq: 20 Jun 2024 13:34

Tgt Ion: 106 Resp: 22441
Ion Ratio Lower Upper
106 100
91 212.1 166.1 249.1

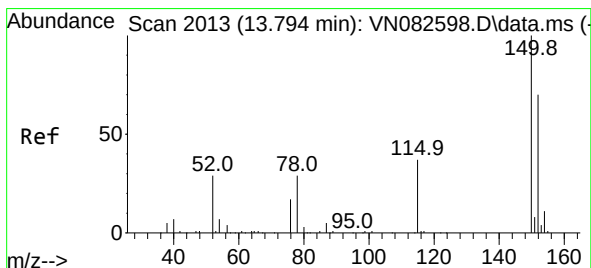
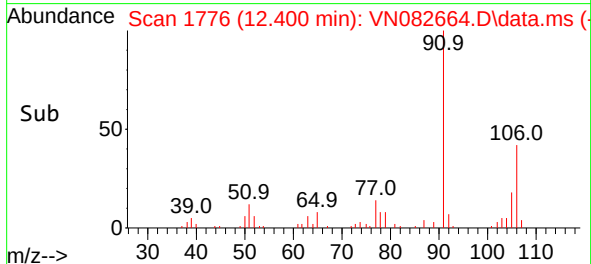
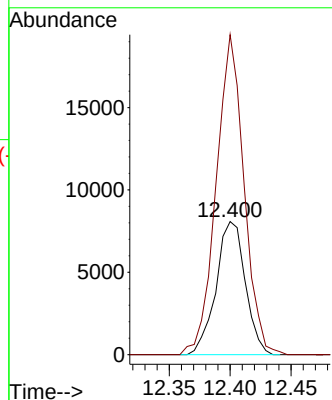
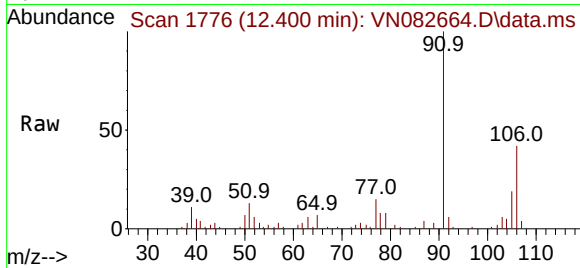




#69
o-Xylene
Concen: 3.801 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. 0.000 min
Lab File: VN082664.D
Acq: 20 Jun 2024 13:34

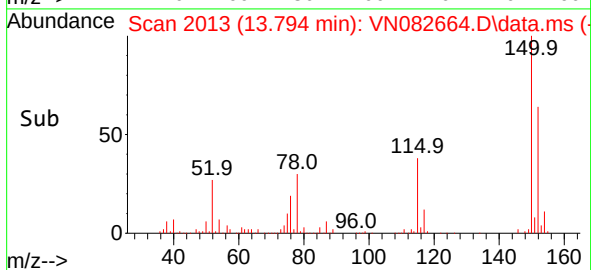
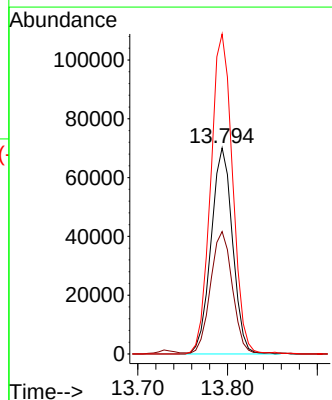
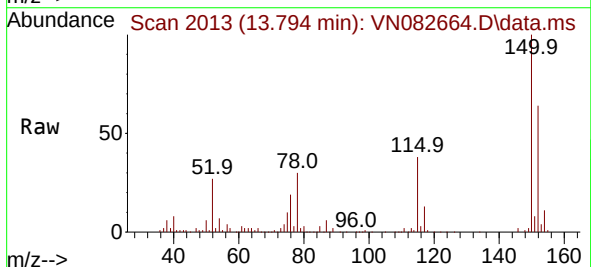
Instrument :
MSVOA_N
ClientSampleId :
240619096-02-VOA

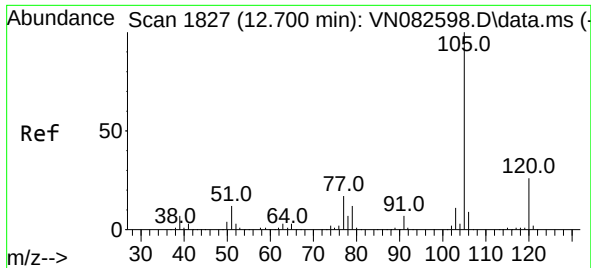
Tgt Ion:106 Resp: 13513
Ion Ratio Lower Upper
106 100
91 228.7 111.3 333.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1213
Delta R.T. 0.000 min
Lab File: VN082664.D
Acq: 20 Jun 2024 13:34

Tgt Ion:152 Resp: 116582
Ion Ratio Lower Upper
152 100
115 61.0 30.6 91.6
150 158.2 0.0 348.6

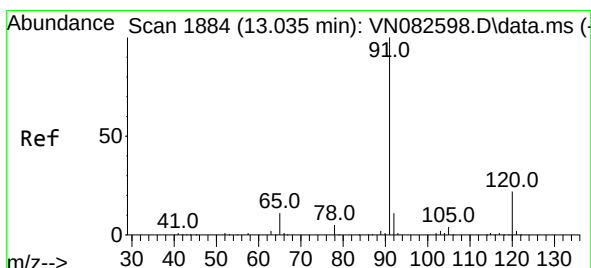
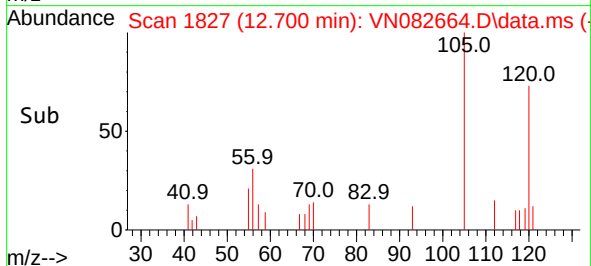
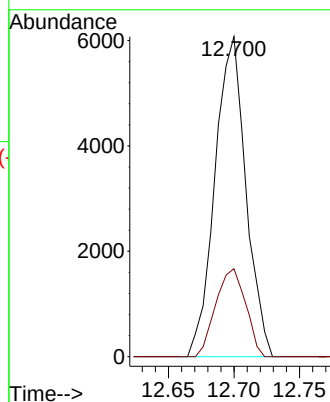
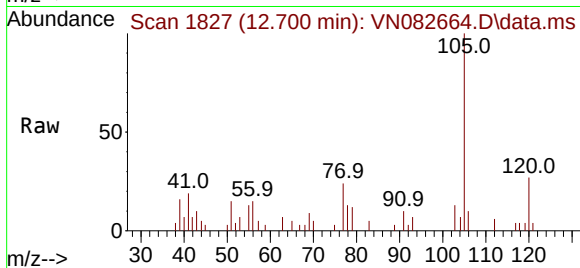




#73
Isopropylbenzene
Concen: 1.126 ug/l
RT: 12.700 min Scan# 1827
Delta R.T. 0.000 min
Lab File: VN082664.D
Acq: 20 Jun 2024 13:34

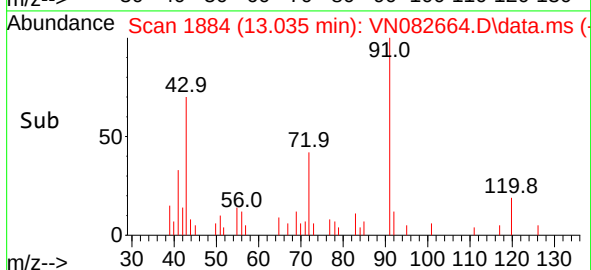
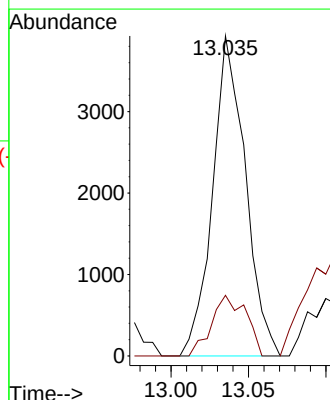
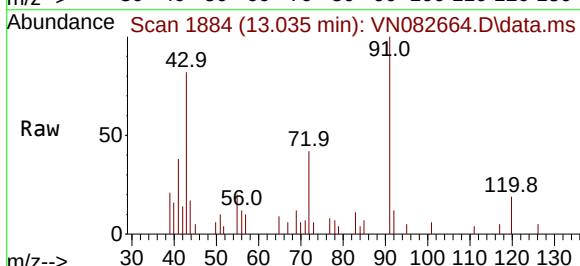
Instrument :
MSVOA_N
ClientSampleId :
240619096-02-VOA

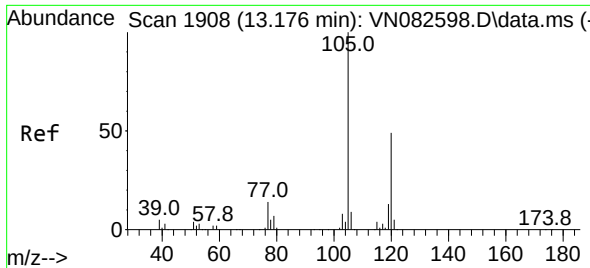
Tgt Ion:105 Resp: 9967
Ion Ratio Lower Upper
105 100
120 26.5 12.9 38.6



#78
n-propylbenzene
Concen: 0.552 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN082664.D
Acq: 20 Jun 2024 13:34

Tgt Ion: 91 Resp: 5783
Ion Ratio Lower Upper
91 100
120 19.9 10.9 32.9

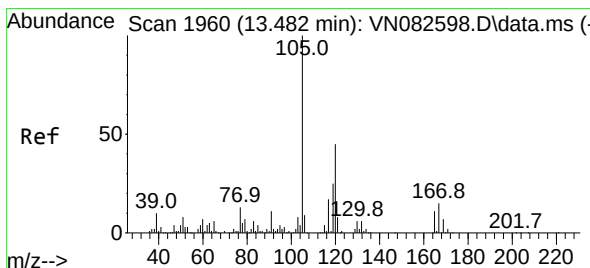
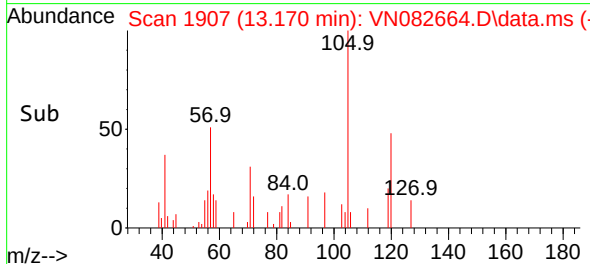
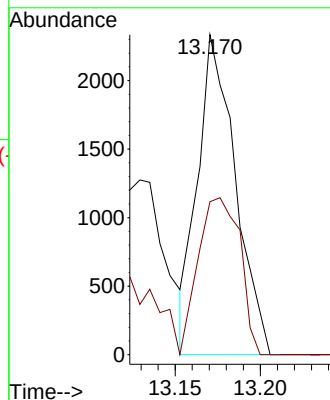
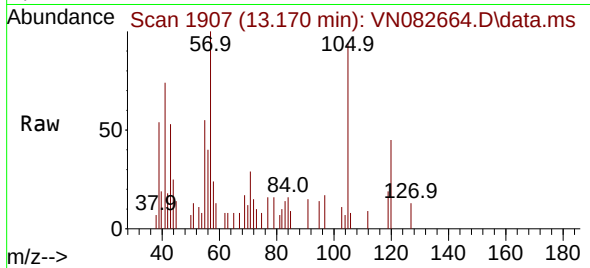




#80
 1,3,5-Trimethylbenzene
 Concen: 0.500 ug/l
 RT: 13.170 min Scan# 1908
 Delta R.T. -0.006 min
 Lab File: VN082664.D
 Acq: 20 Jun 2024 13:34

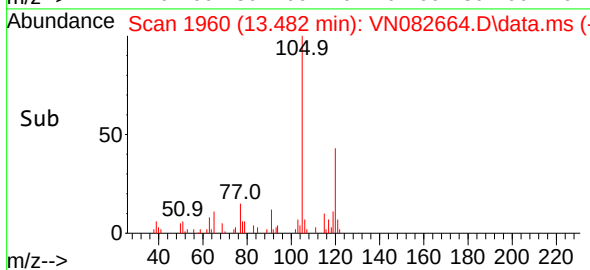
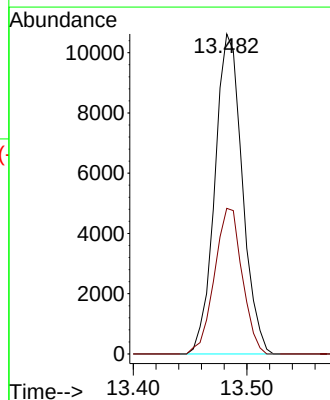
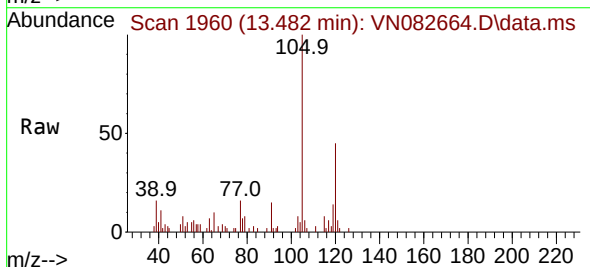
Instrument :
 MSVOA_N
 ClientSampleId :
 240619096-02-VOA

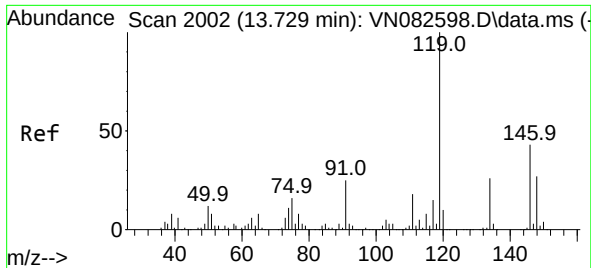
Tgt Ion:105 Resp: 3593
 Ion Ratio Lower Upper
 105 100
 120 54.4 24.3 72.8



#84
 1,2,4-Trimethylbenzene
 Concen: 2.476 ug/l
 RT: 13.482 min Scan# 1960
 Delta R.T. 0.000 min
 Lab File: VN082664.D
 Acq: 20 Jun 2024 13:34

Tgt Ion:105 Resp: 17843
 Ion Ratio Lower Upper
 105 100
 120 45.9 21.9 65.8

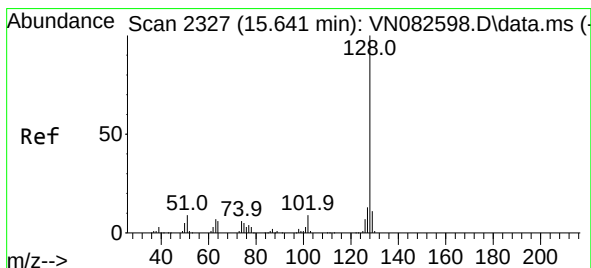
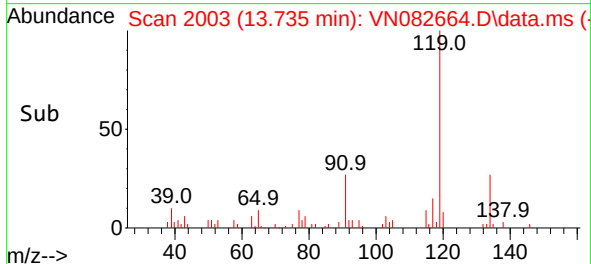
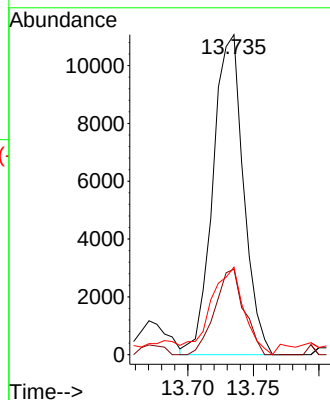
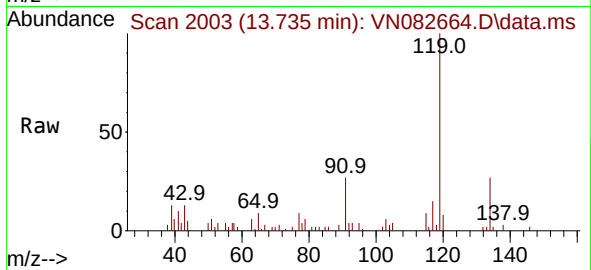




#86
p-Isopropyltoluene
Concen: 2.563 ug/l
RT: 13.735 min Scan# 2003
Delta R.T. 0.006 min
Lab File: VN082664.D
Acq: 20 Jun 2024 13:34

Instrument :
MSVOA_N
ClientSampleId :
240619096-02-VOA

Tgt Ion:119 Resp: 17936
Ion Ratio Lower Upper
119 100
134 25.5 13.0 39.0
91 30.1 12.3 36.9



#95
Naphthalene
Concen: 33.835 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. 0.000 min
Lab File: VN082664.D
Acq: 20 Jun 2024 13:34

Tgt Ion:128 Resp: 221431
Ion Ratio Lower Upper
128 100
127 13.3 10.6 16.0
129 10.8 8.6 12.8

