

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122324\
 Data File : VN085305.D
 Acq On : 23 Dec 2024 19:35
 Operator : JC\MD
 Sample : P5371-03DL 20X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 24 04:17:18 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121824W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 19 06:31:00 2024
 Response via : Initial Calibration

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

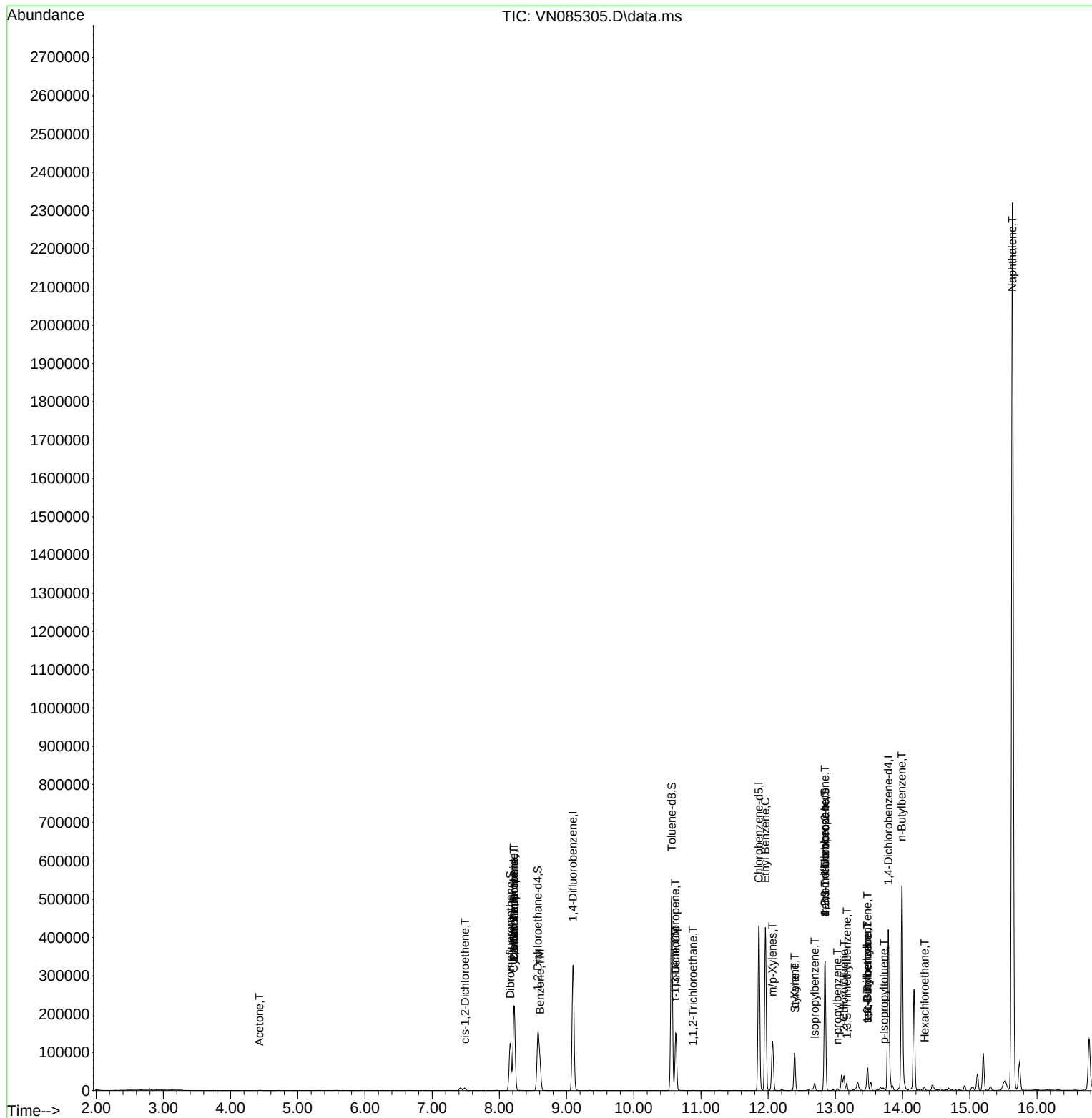
Internal Standards						
1) Pentafluorobenzene	8.224	168	153204	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	286168	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	239567	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	105508	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	115390	43.092	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	86.180%		
35) Dibromofluoromethane	8.165	113	89521	44.496	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	89.000%		
50) Toluene-d8	10.565	98	345816	47.028	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	94.060%		
62) 4-Bromofluorobenzene	12.847	95	113855	43.349	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	86.700%		
Target Compounds					Qvalue	
6) Chloroethane	3.036	64	55	Below Cal	#	42
16) Acetone	4.430	43	1711	1.851	ug/l	96
27) cis-1,2-Dichloroethene	7.488	96	3757	1.674	ug/l	88
31) Cyclohexane	8.212	56	4169	1.203	ug/l #	21
36) 1,1-Dichloropropene	8.218	75	13856	4.946	ug/l #	51
38) Carbon Tetrachloride	8.218	117	17889	5.281	ug/l #	19
40) Benzene	8.606	78	68792	7.893	ug/l	96
52) Toluene	10.624	92	64483	12.305	ug/l	99
53) t-1,3-Dichloropropene	10.618	75	897	0.279	ug/l #	1
55) 1,1,2-Trichloroethane	10.882	97	603	0.307	ug/l #	14
67) Ethyl Benzene	11.959	91	309633	33.546	ug/l	97
68) m/p-Xylenes	12.065	106	41663	12.069	ug/l	96
69) o-Xylene	12.394	106	26642	8.211	ug/l	97
70) Styrene	12.400	104	2053	0.379	ug/l #	1
73) Isopropylbenzene	12.694	105	11282	1.482	ug/l	95
76) 1,2,3-Trichloropropane	12.847	75	65205	25.927	ug/l #	1
78) n-propylbenzene	13.029	91	4142	0.444	ug/l	99
79) 2-Chlorotoluene	13.129	91	2821	0.476	ug/l #	44
80) 1,3,5-Trimethylbenzene	13.170	105	9000	1.418	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.847	75	65205	68.844	ug/l #	7
83) tert-Butylbenzene	13.476	119	4418	0.821	ug/l #	63
84) 1,2,4-Trimethylbenzene	13.476	105	33195	5.115	ug/l	99
85) sec-Butylbenzene	13.476	105	33195	4.423	ug/l #	58
86) p-Isopropyltoluene	13.723	119	1581	2.156	ug/l #	57
89) n-Butylbenzene	13.988	91	48458	8.779	ug/l #	45
90) Hexachloroethane	14.329	117	958	0.695	ug/l #	18
95) Naphthalene	15.635	128	2066970	356.229	ug/l	99

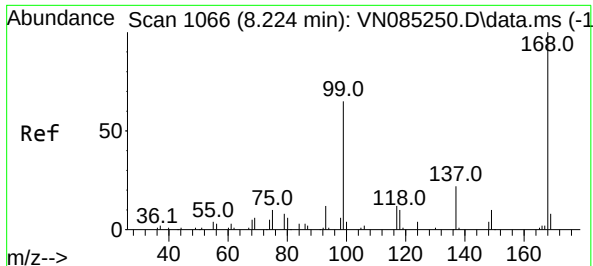
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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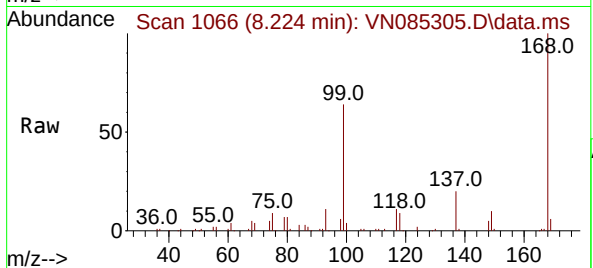
Quant Time: Dec 24 04:17:18 2024
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Quant Title : SW846 8260
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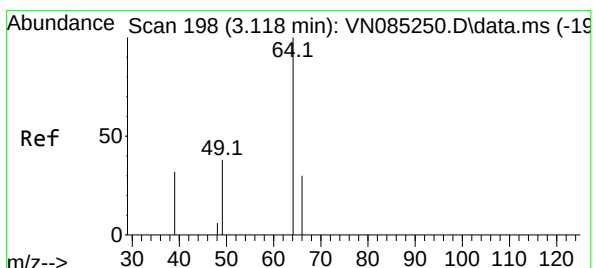
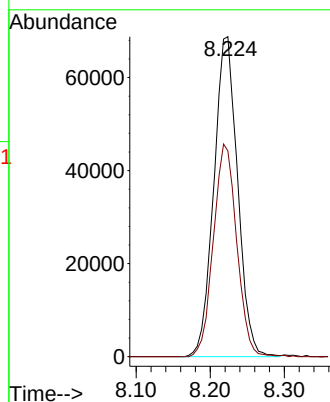
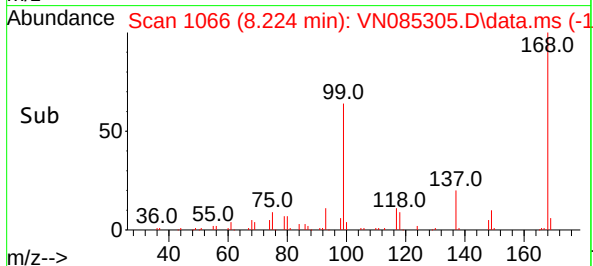


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085305.D
Acq: 23 Dec 2024 19:35

Instrument :
MSVOA_N
ClientSampleId :

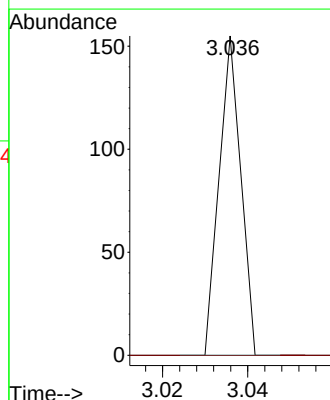
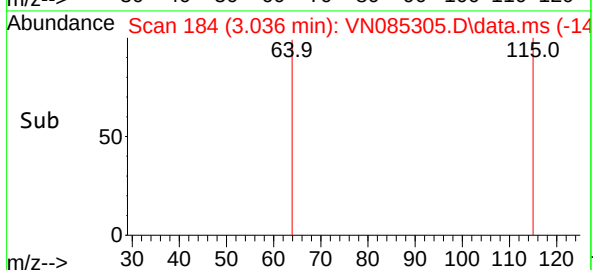
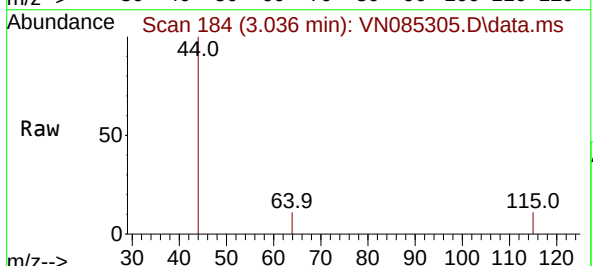


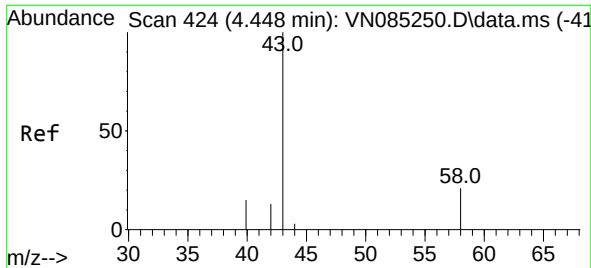
Tgt Ion:168 Resp: 153204
Ion Ratio Lower Upper
168 100
99 64.3 50.7 76.1



#6
Chloroethane
Concen: Below Cal
RT: 3.036 min Scan# 184
Delta R.T. -0.076 min
Lab File: VN085305.D
Acq: 23 Dec 2024 19:35

Tgt Ion: 64 Resp: 55
Ion Ratio Lower Upper
64 100
66 0.0 26.3 39.5#





#16

Acetone

Concen: 1.851 ug/l

RT: 4.430 min Scan# 41

Delta R.T. 0.006 min

Lab File: VN085305.D

Acq: 23 Dec 2024 19:35

Instrument :

MSVOA_N

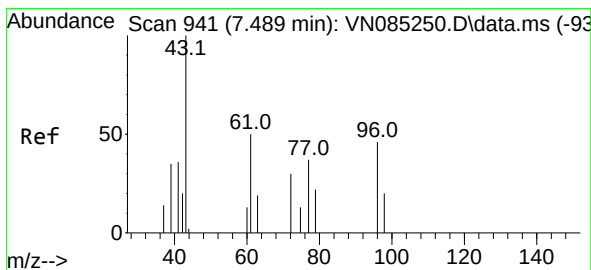
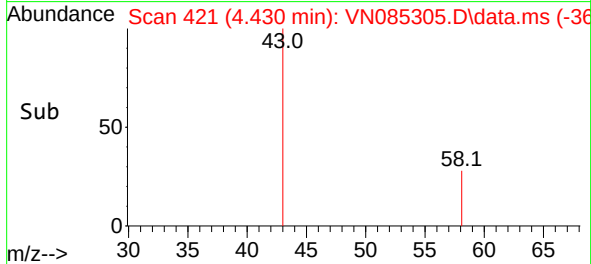
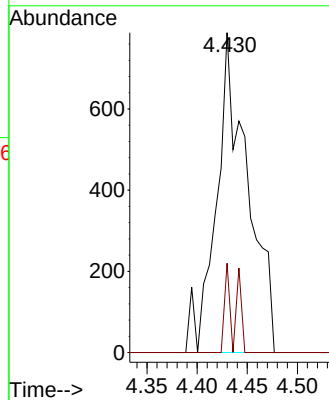
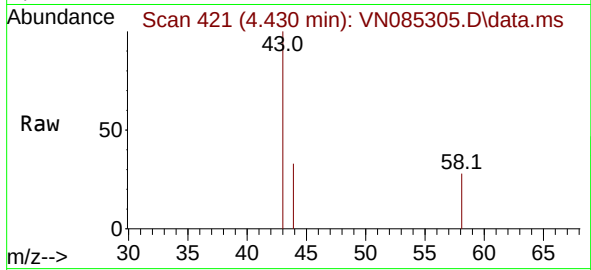
ClientSampleId :

Tgt Ion: 43 Resp: 1711

Ion Ratio Lower Upper

43 100

58 27.9 20.8 31.2



#27

cis-1,2-Dichloroethene

Concen: 1.674 ug/l

RT: 7.488 min Scan# 941

Delta R.T. 0.006 min

Lab File: VN085305.D

Acq: 23 Dec 2024 19:35

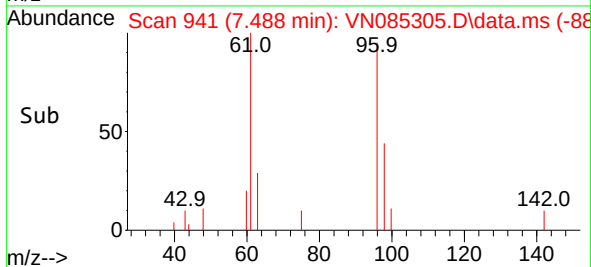
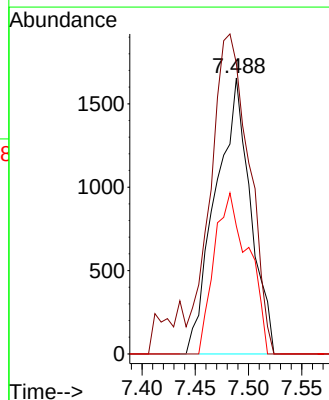
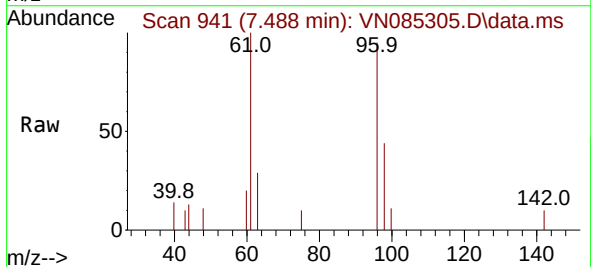
Tgt Ion: 96 Resp: 3757

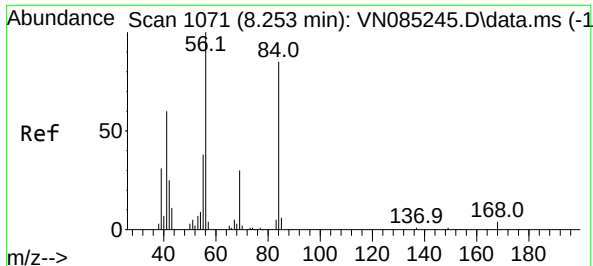
Ion Ratio Lower Upper

96 100

61 140.1 0.0 316.4

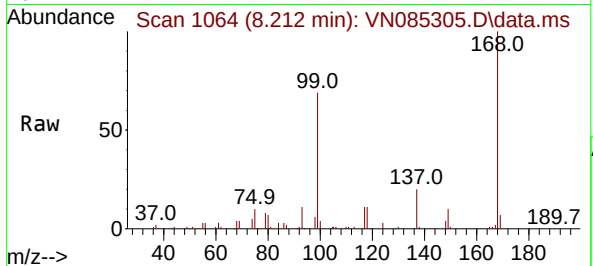
98 57.6 0.0 125.4



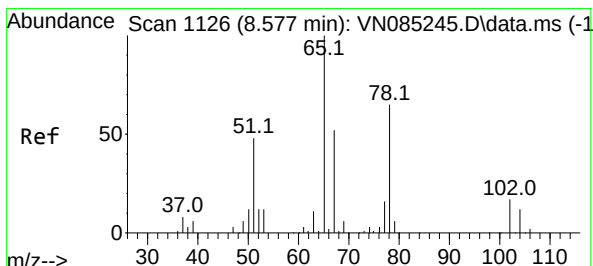
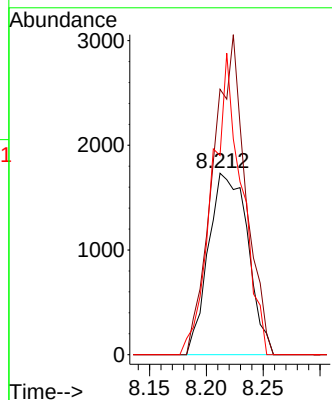
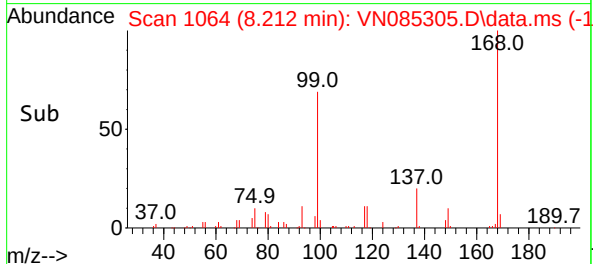


#31
Cyclohexane
Concen: 1.203 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.041 min
Lab File: VN085305.D
Acq: 23 Dec 2024 19:35

Instrument :
MSVOA_N
ClientSampleId :

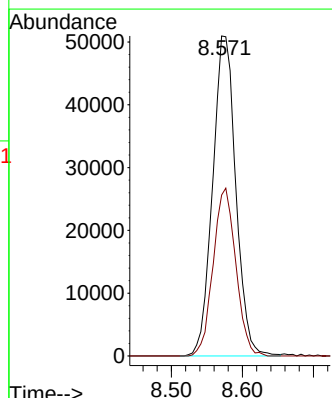
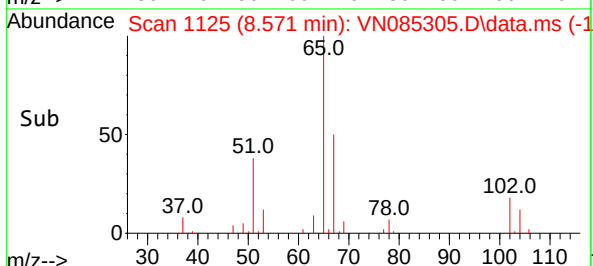
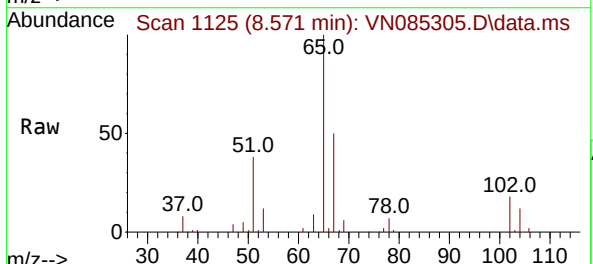


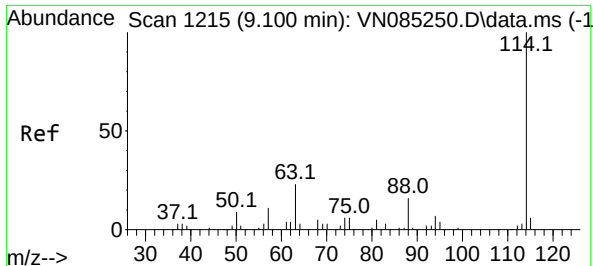
Tgt Ion: 56 Resp: 4169
Ion Ratio Lower Upper
56 100
69 146.3 23.6 35.4#
84 109.7 66.6 99.8#



#33
1,2-Dichloroethane-d4
Concen: 43.092 ug/l
RT: 8.571 min Scan# 1125
Delta R.T. -0.006 min
Lab File: VN085305.D
Acq: 23 Dec 2024 19:35

Tgt Ion: 65 Resp: 115390
Ion Ratio Lower Upper
65 100
67 51.3 0.0 102.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.094 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN085305.D

Acq: 23 Dec 2024 19:35

Instrument :

MSVOA_N

ClientSampleId :

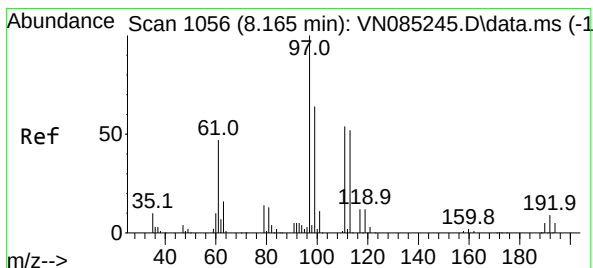
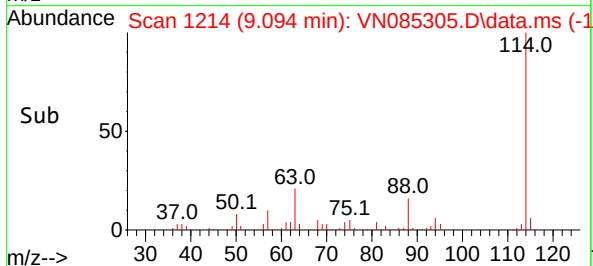
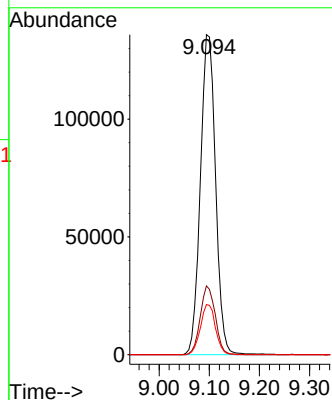
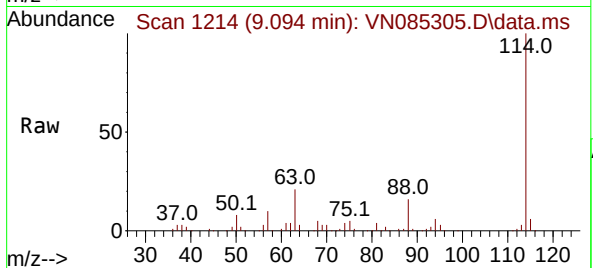
Tgt Ion:114 Resp: 286168

Ion Ratio Lower Upper

114 100

63 21.5 0.0 46.2

88 15.6 0.0 32.6



#35

Dibromofluoromethane

Concen: 44.496 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN085305.D

Acq: 23 Dec 2024 19:35

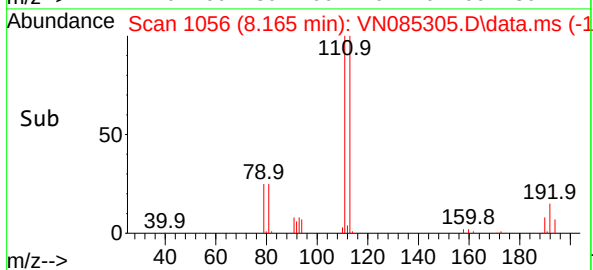
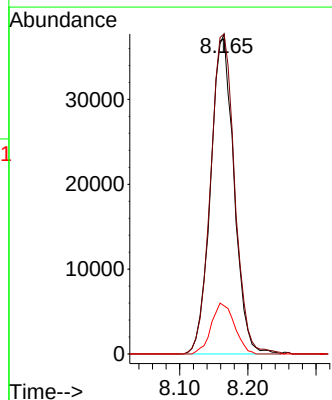
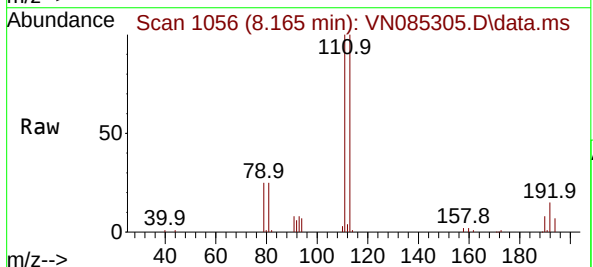
Tgt Ion:113 Resp: 89521

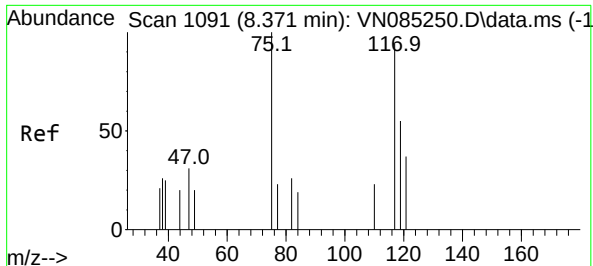
Ion Ratio Lower Upper

113 100

111 103.6 82.1 123.1

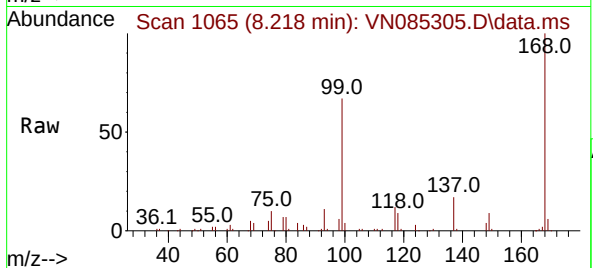
192 15.9 13.4 20.0



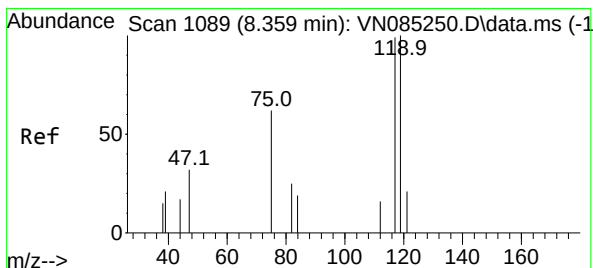
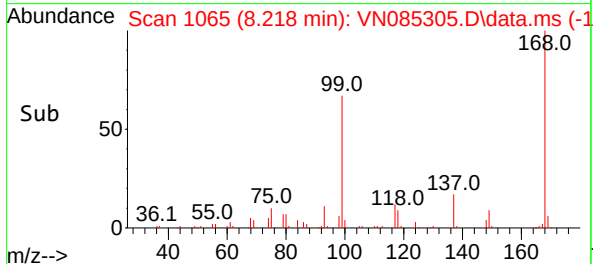
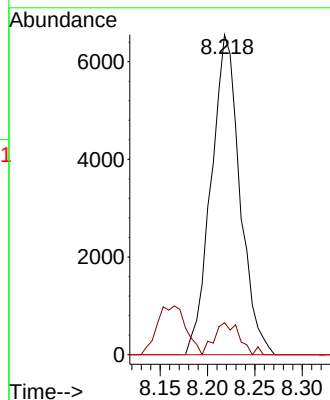


#36
1,1-Dichloropropene
Concen: 4.946 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.147 min
Lab File: VN085305.D
Acq: 23 Dec 2024 19:35

Instrument :
MSVOA_N
ClientSampleId :

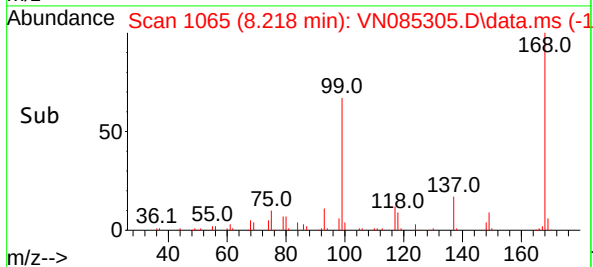
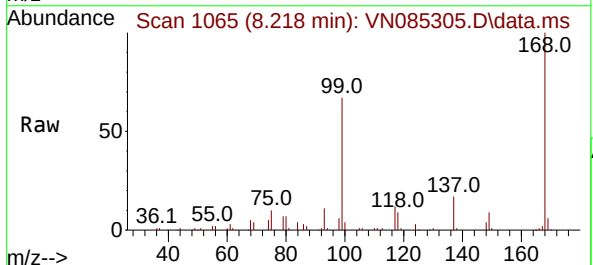
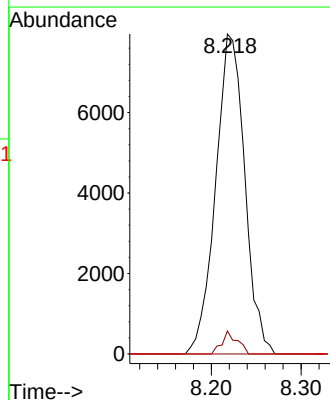


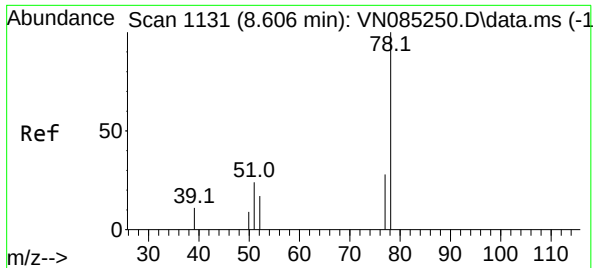
Tgt Ion: 75 Resp: 13856
Ion Ratio Lower Upper
75 100
110 8.8 16.0 48.0#
77 0.0 24.6 36.8#



#38
Carbon Tetrachloride
Concen: 5.281 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.141 min
Lab File: VN085305.D
Acq: 23 Dec 2024 19:35

Tgt Ion: 117 Resp: 17889
Ion Ratio Lower Upper
117 100
119 7.2 74.8 112.2#
121 0.0 24.2 36.4#

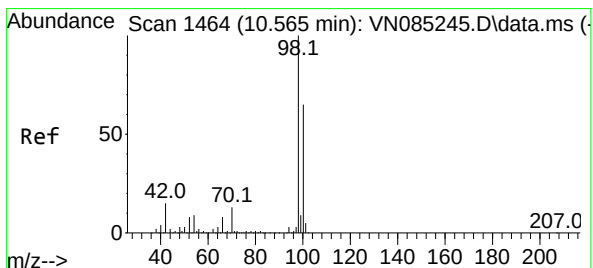
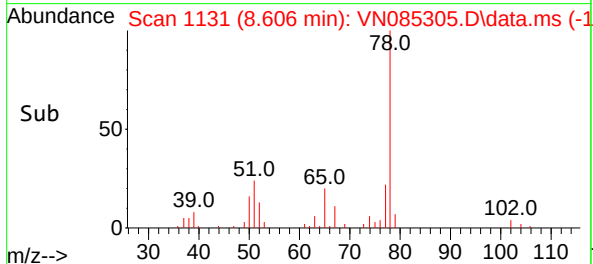
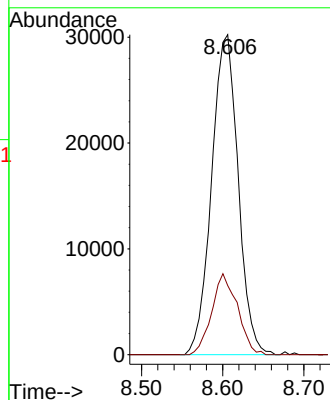
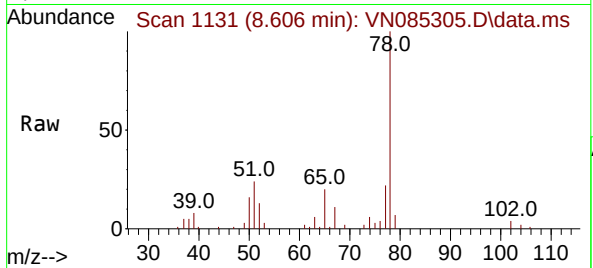




#40
Benzene
Concen: 7.893 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VN085305.D
Acq: 23 Dec 2024 19:35

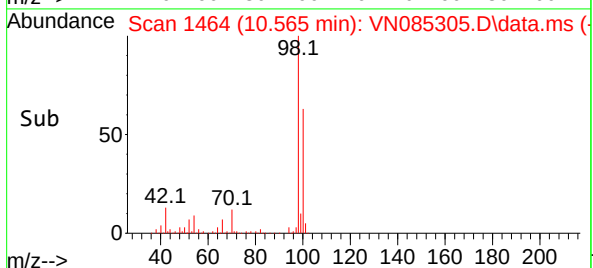
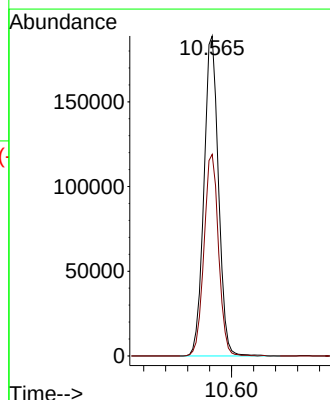
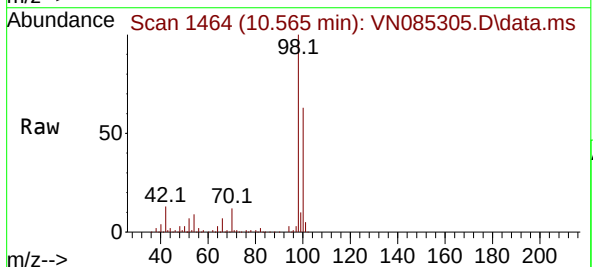
Instrument :
MSVOA_N
ClientSampleId :

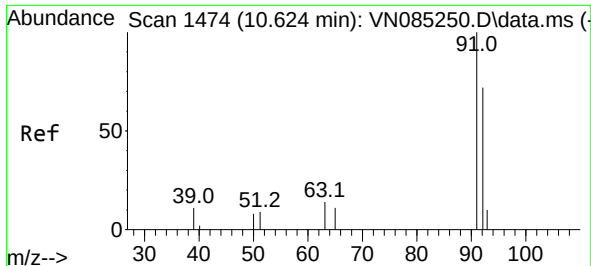
Tgt Ion: 78 Resp: 68792
Ion Ratio Lower Upper
78 100
77 21.6 18.9 28.3



#50
Toluene-d8
Concen: 47.028 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085305.D
Acq: 23 Dec 2024 19:35

Tgt Ion: 98 Resp: 345816
Ion Ratio Lower Upper
98 100
100 63.1 51.6 77.4

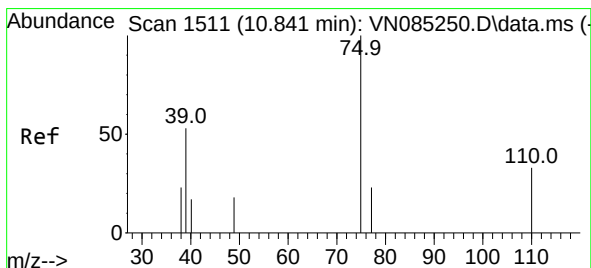
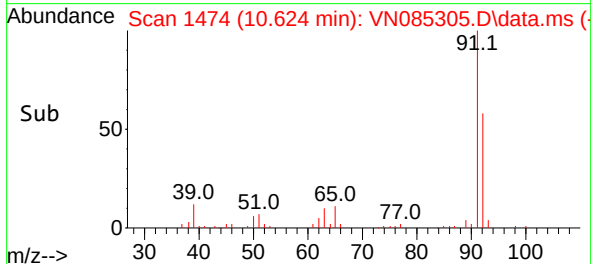
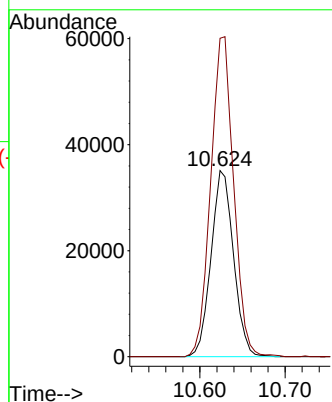
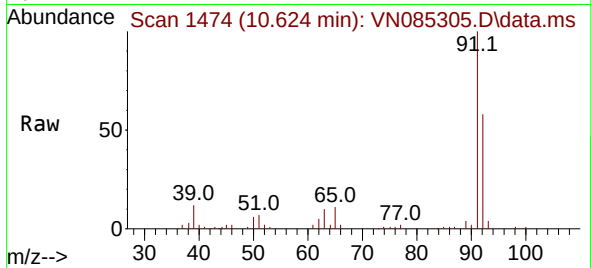




#52
Toluene
Concen: 12.305 ug/l
RT: 10.624 min Scan# 1474
Delta R.T. -0.006 min
Lab File: VN085305.D
Acq: 23 Dec 2024 19:35

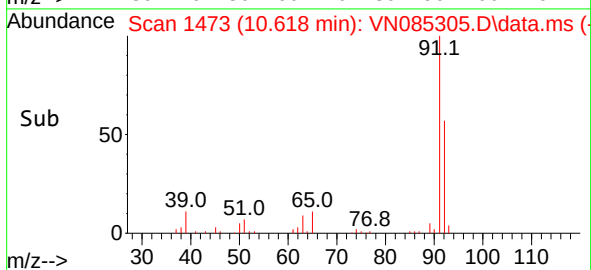
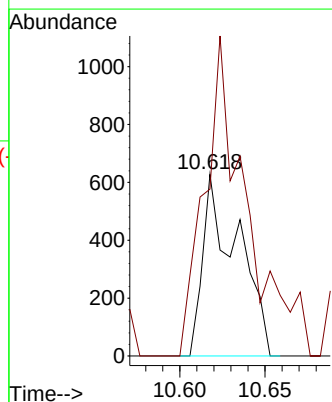
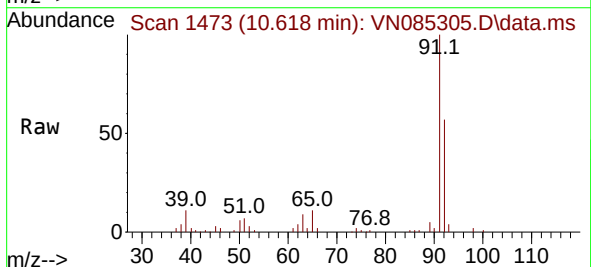
Instrument :
MSVOA_N
ClientSampleId :

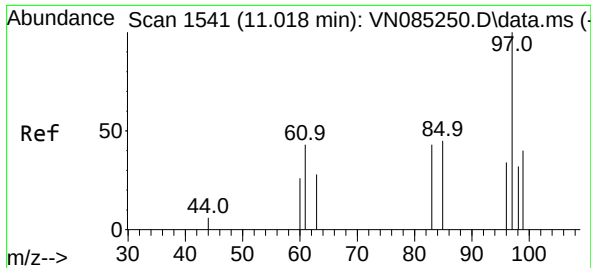
Tgt Ion: 92 Resp: 64483
Ion Ratio Lower Upper
92 100
91 175.4 138.9 208.3



#53
t-1,3-Dichloropropene
Concen: 0.279 ug/l
RT: 10.618 min Scan# 1473
Delta R.T. -0.218 min
Lab File: VN085305.D
Acq: 23 Dec 2024 19:35

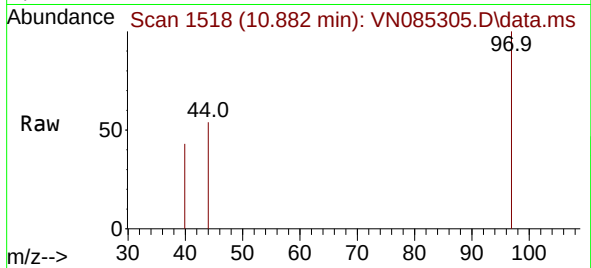
Tgt Ion: 75 Resp: 897
Ion Ratio Lower Upper
75 100
77 91.9 25.4 38.0#



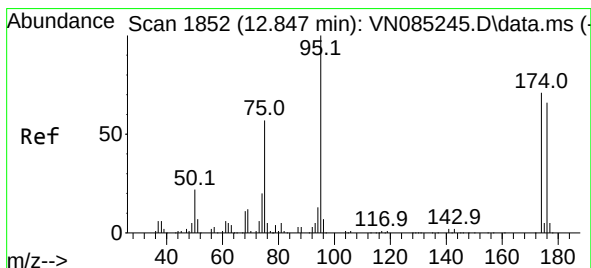
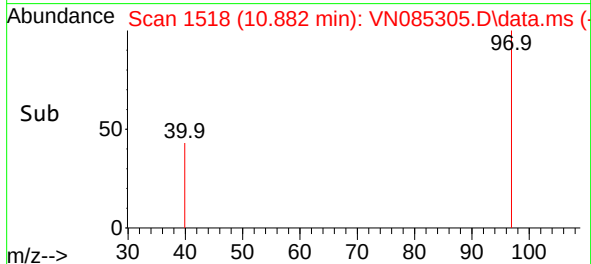
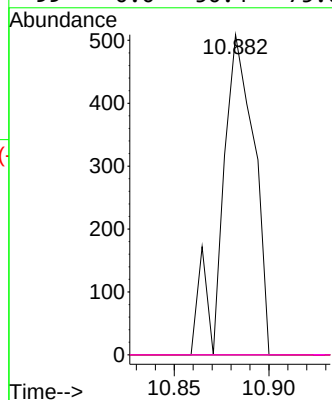


#55
1,1,2-Trichloroethane
Concen: 0.307 ug/l
RT: 10.882 min Scan# 1518
Delta R.T. -0.129 min
Lab File: VN085305.D
Acq: 23 Dec 2024 19:35

Instrument :
MSVOA_N
ClientSampleId :

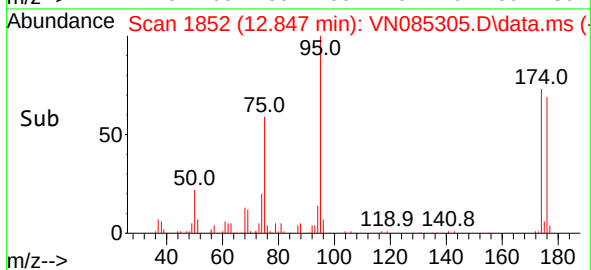
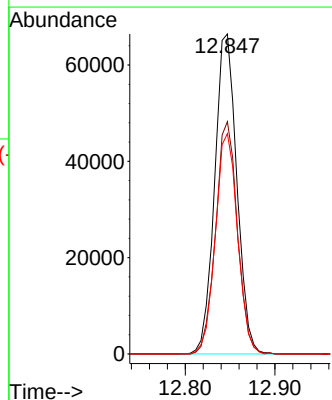
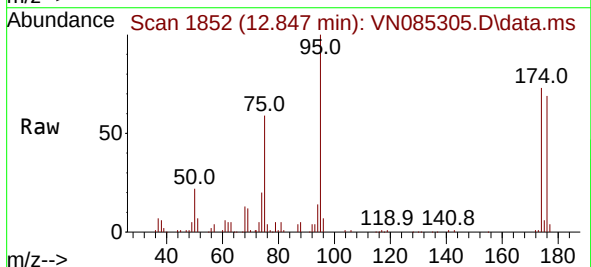


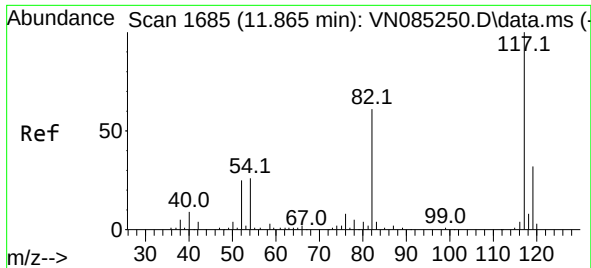
Tgt Ion: 97 Resp: 603
Ion Ratio Lower Upper
97 100
83 0.0 69.6 104.4#
85 0.0 45.7 68.5#
99 0.0 50.4 75.6#



#62
4-Bromofluorobenzene
Concen: 43.349 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085305.D
Acq: 23 Dec 2024 19:35

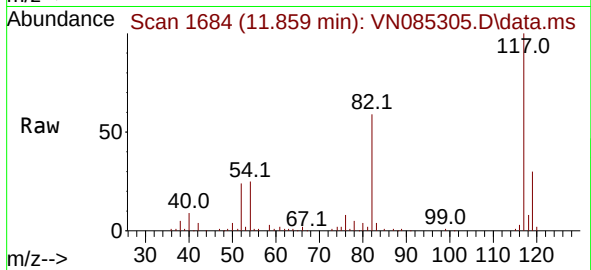
Tgt Ion: 95 Resp: 113855
Ion Ratio Lower Upper
95 100
174 71.2 0.0 144.4
176 68.8 0.0 136.6



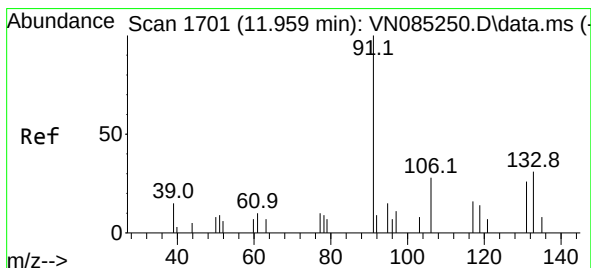
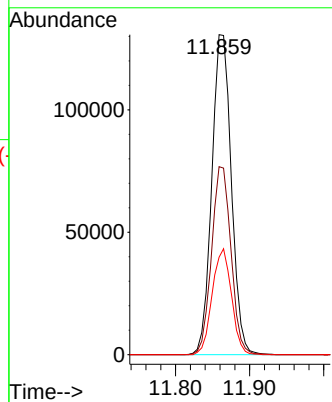
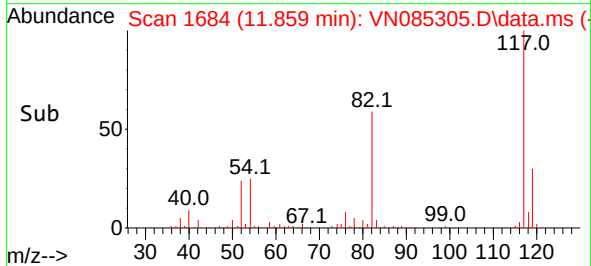


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.859 min Scan# 117
Delta R.T. -0.006 min
Lab File: VN085305.D
Acq: 23 Dec 2024 19:35

Instrument :
MSVOA_N
ClientSampleId :

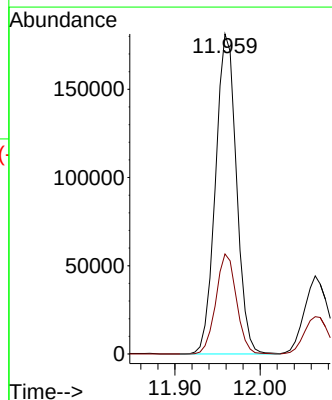
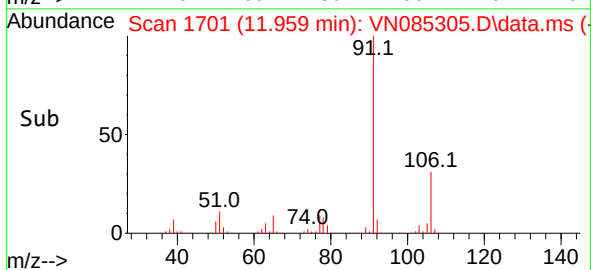
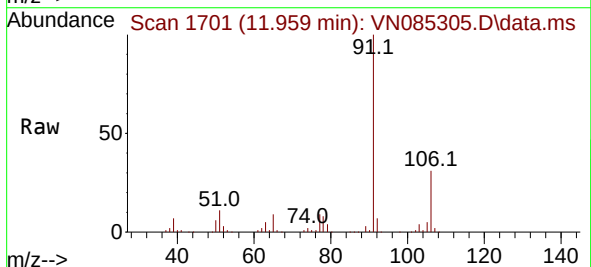


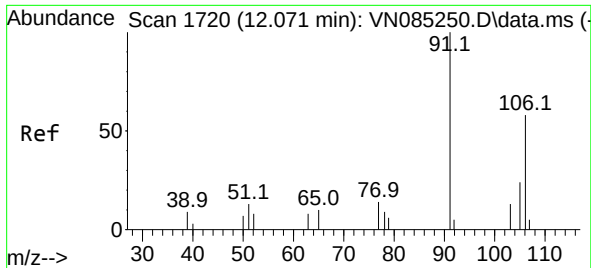
Tgt Ion:117 Resp: 239567
Ion Ratio Lower Upper
117 100
82 58.8 47.4 71.2
119 30.5 25.6 38.4



#67
Ethyl Benzene
Concen: 33.546 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN085305.D
Acq: 23 Dec 2024 19:35

Tgt Ion: 91 Resp: 309633
Ion Ratio Lower Upper
91 100
106 31.3 23.5 35.3

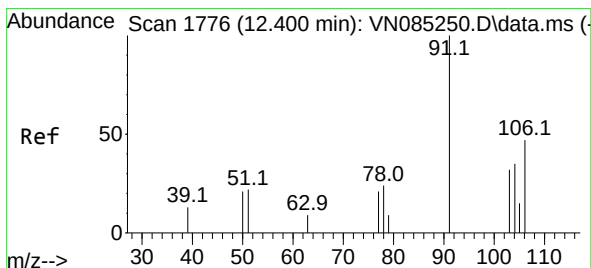
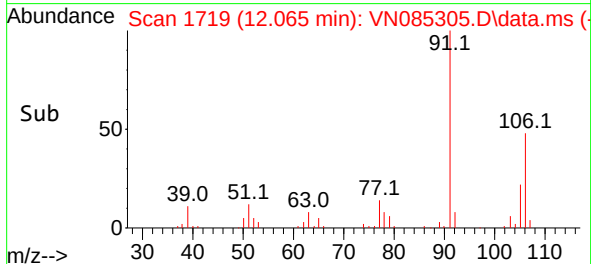
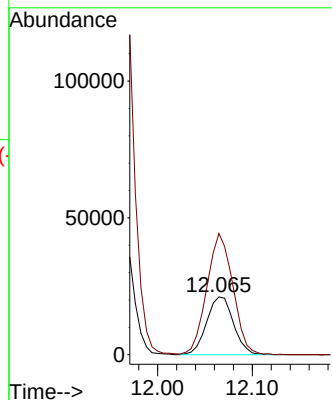
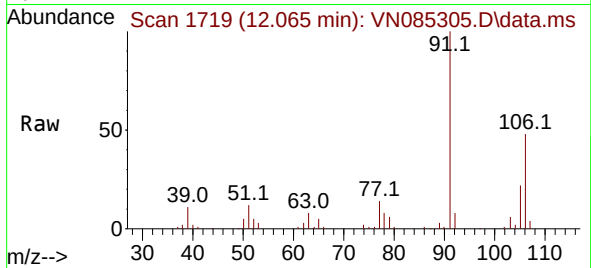




#68
m/p-Xylenes
Concen: 12.069 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.006 min
Lab File: VN085305.D
Acq: 23 Dec 2024 19:35

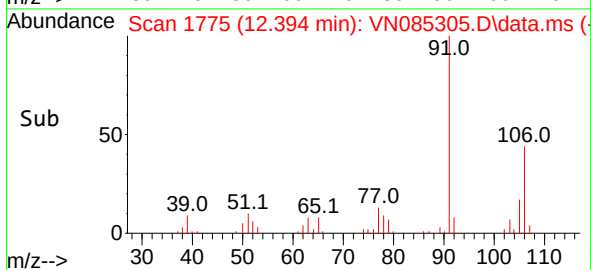
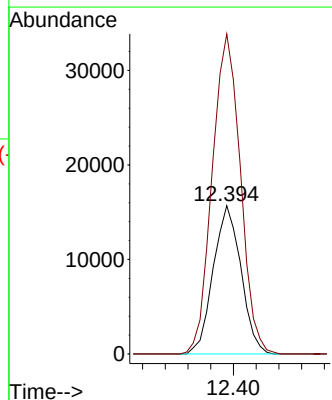
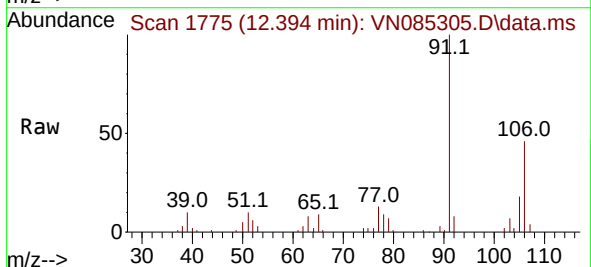
Instrument :
MSVOA_N
ClientSampleId :

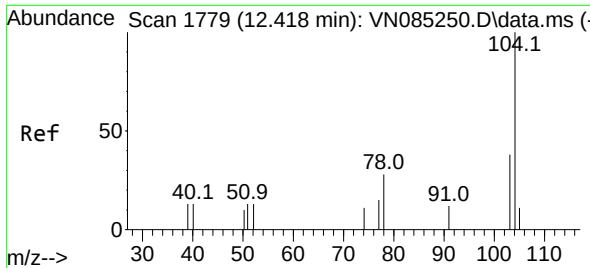
Tgt Ion:106 Resp: 41663
Ion Ratio Lower Upper
106 100
91 203.7 168.3 252.5



#69
o-Xylene
Concen: 8.211 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.000 min
Lab File: VN085305.D
Acq: 23 Dec 2024 19:35

Tgt Ion:106 Resp: 26642
Ion Ratio Lower Upper
106 100
91 219.0 112.1 336.2

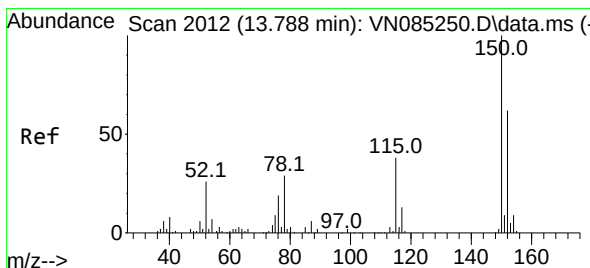
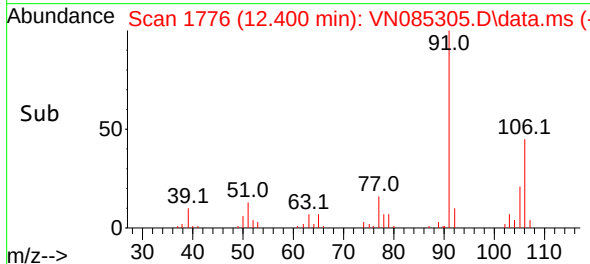
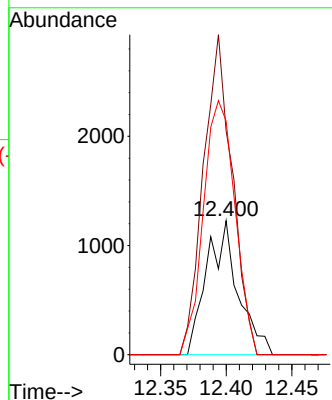
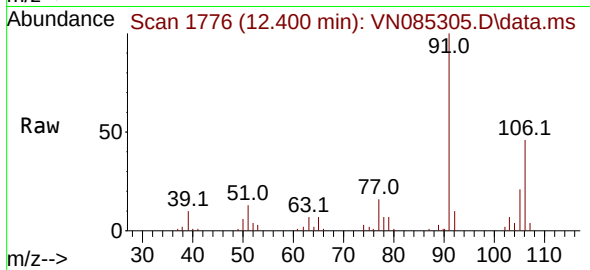




#70
Styrene
Concen: 0.379 ug/l
RT: 12.400 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN085305.D
Acq: 23 Dec 2024 19:35

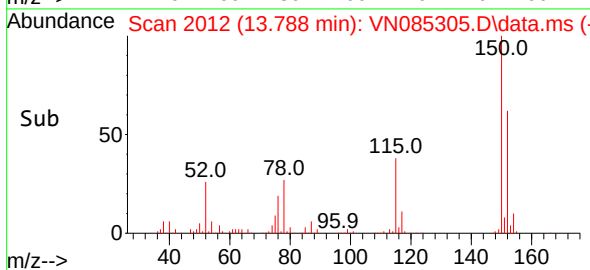
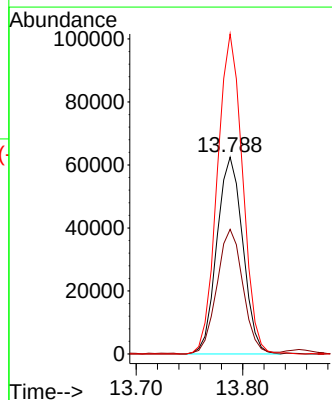
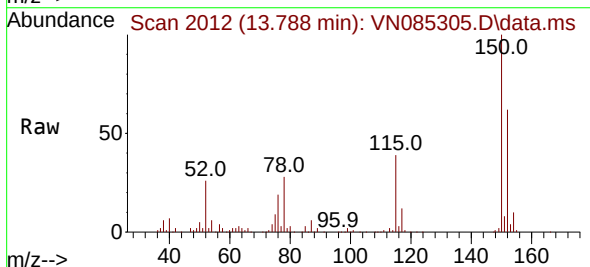
Instrument :
MSVOA_N
ClientSampleId :

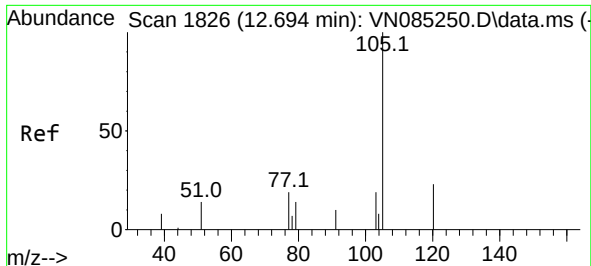
Tgt Ion:104 Resp: 2053
Ion Ratio Lower Upper
104 100
78 218.2 43.2 64.8#
103 191.1 44.6 66.8#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085305.D
Acq: 23 Dec 2024 19:35

Tgt Ion:152 Resp: 105508
Ion Ratio Lower Upper
152 100
115 63.8 32.1 96.3
150 158.7 0.0 354.6

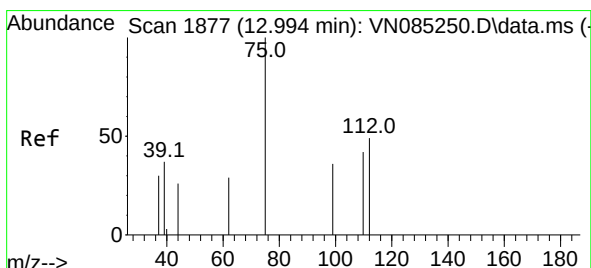
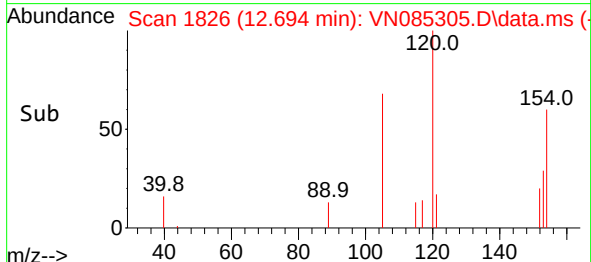
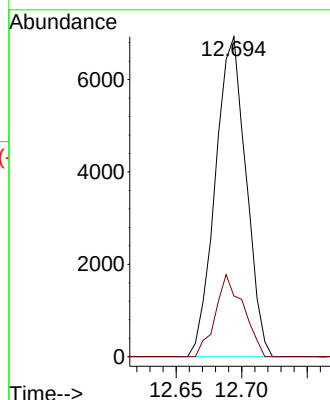
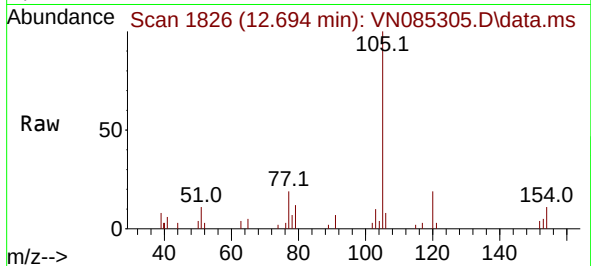




#73
Isopropylbenzene
Concen: 1.482 ug/l
RT: 12.694 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN085305.D
Acq: 23 Dec 2024 19:35

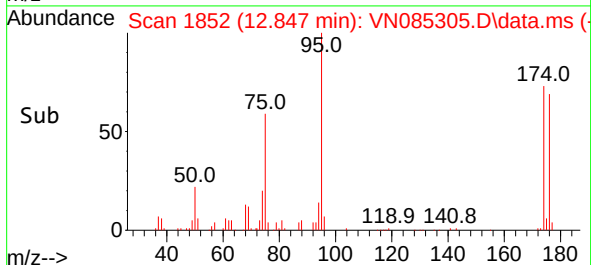
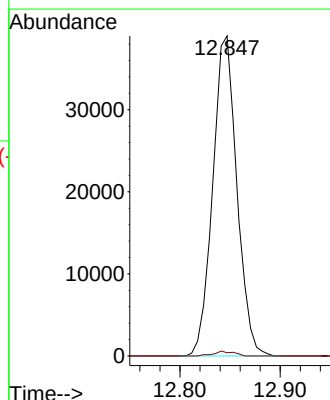
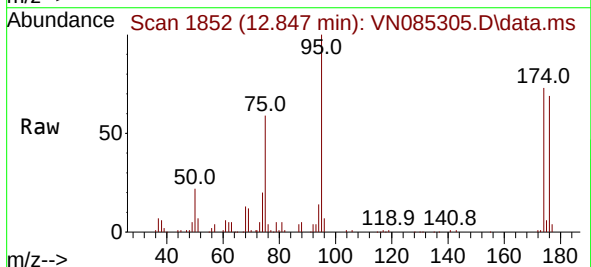
Instrument :
MSVOA_N
ClientSampleId :

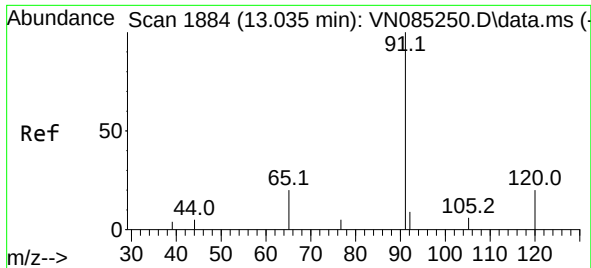
Tgt Ion:105 Resp: 11282
Ion Ratio Lower Upper
105 100
120 23.4 13.0 38.9



#76
1,2,3-Trichloropropane
Concen: 25.927 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN085305.D
Acq: 23 Dec 2024 19:35

Tgt Ion: 75 Resp: 65205
Ion Ratio Lower Upper
75 100
77 1.2 102.6 307.7#

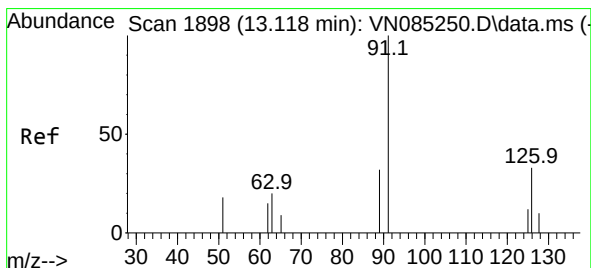
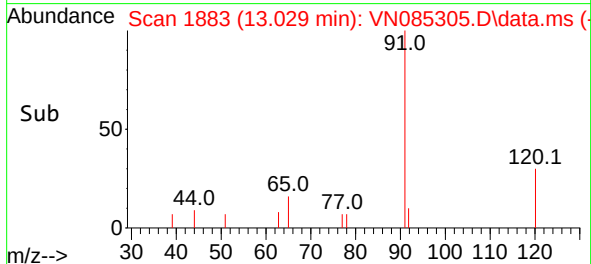
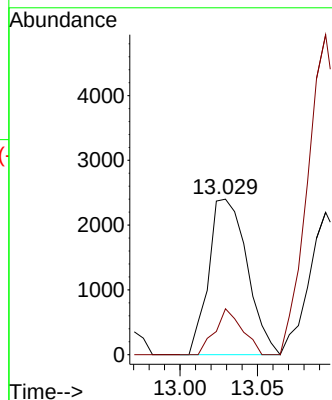
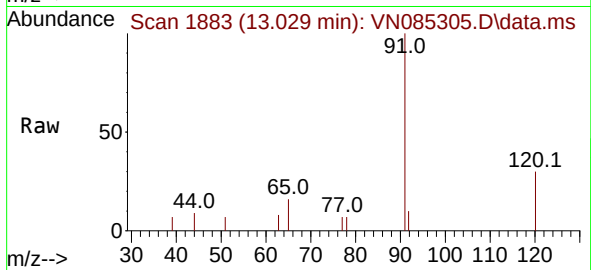




#78
n-propylbenzene
Concen: 0.444 ug/l
RT: 13.029 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN085305.D
Acq: 23 Dec 2024 19:35

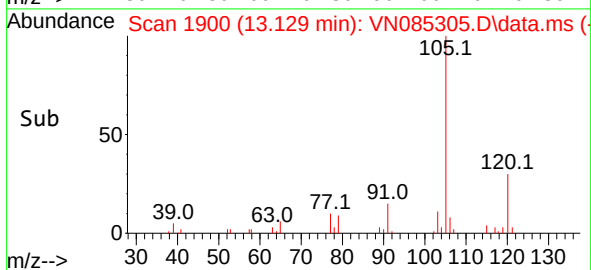
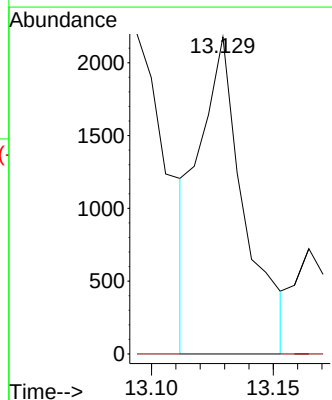
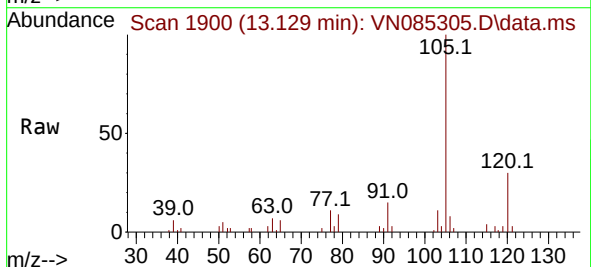
Instrument :
MSVOA_N
ClientSampleId :

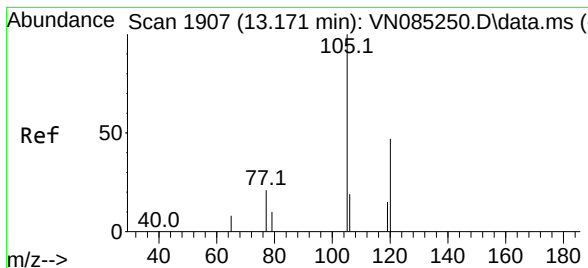
Tgt Ion: 91 Resp: 4142
Ion Ratio Lower Upper
91 100
120 20.9 10.8 32.3



#79
2-Chlorotoluene
Concen: 0.476 ug/l
RT: 13.129 min Scan# 1900
Delta R.T. 0.006 min
Lab File: VN085305.D
Acq: 23 Dec 2024 19:35

Tgt Ion: 91 Resp: 2821
Ion Ratio Lower Upper
91 100
126 0.0 15.2 45.5#

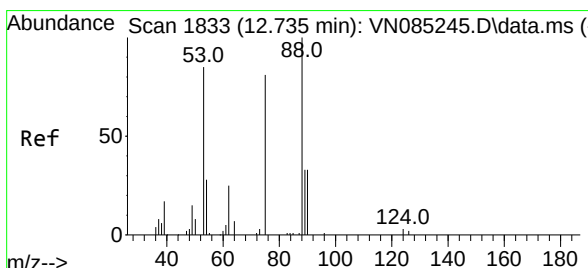
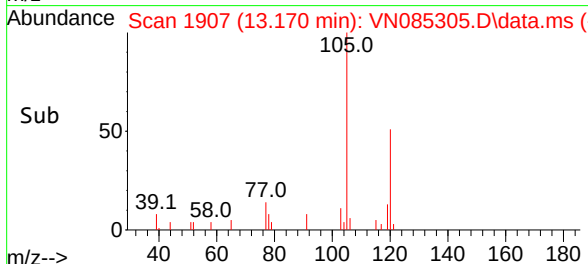
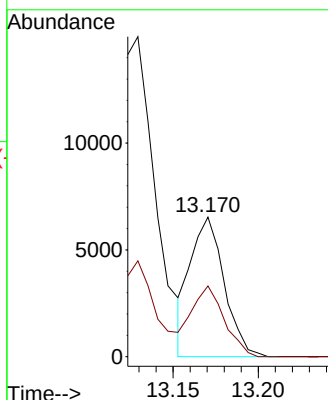
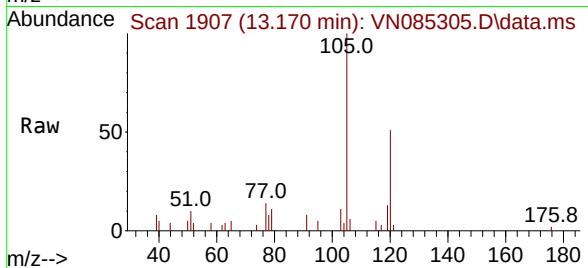




#80
 1,3,5-Trimethylbenzene
 Concen: 1.418 ug/l
 RT: 13.170 min Scan# 1907
 Delta R.T. -0.000 min
 Lab File: VN085305.D
 Acq: 23 Dec 2024 19:35

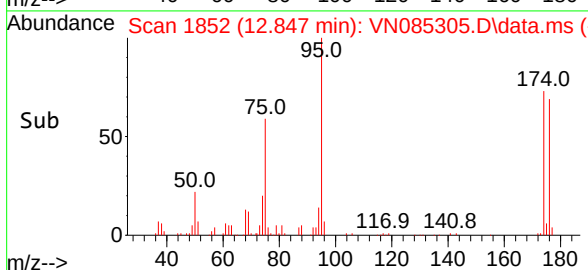
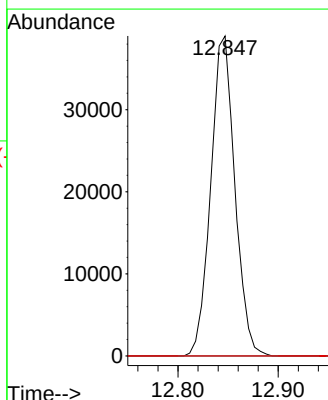
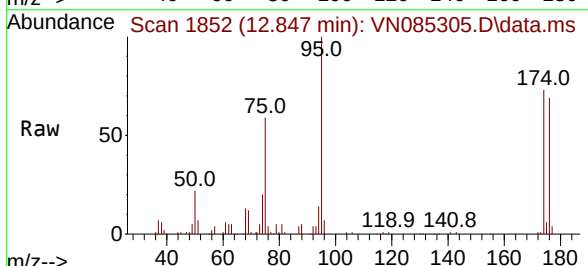
Instrument :
 MSVOA_N
 ClientSampleId :

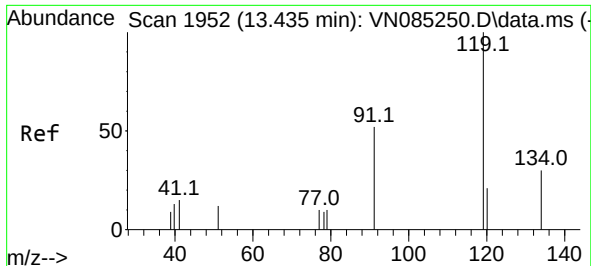
Tgt Ion:105 Resp: 9000
 Ion Ratio Lower Upper
 105 100
 120 49.2 23.4 70.2



#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.844 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. 0.112 min
 Lab File: VN085305.D
 Acq: 23 Dec 2024 19:35

Tgt Ion: 75 Resp: 65205
 Ion Ratio Lower Upper
 75 100
 53 0.0 84.9 127.3#
 89 0.0 37.9 56.9#

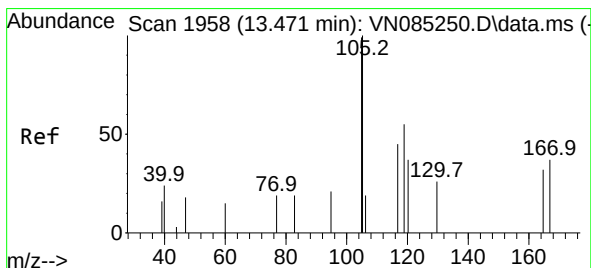
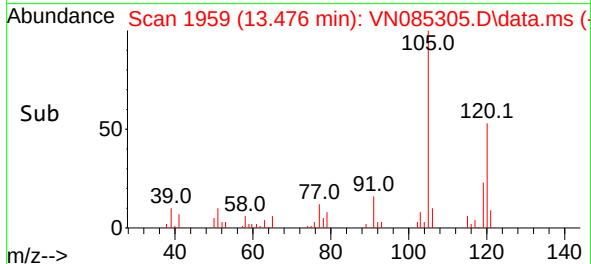
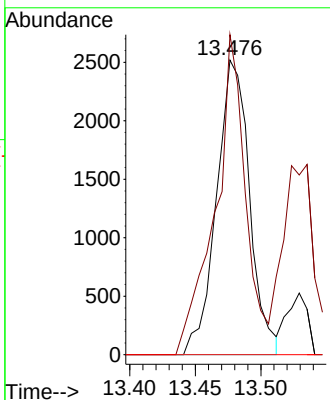
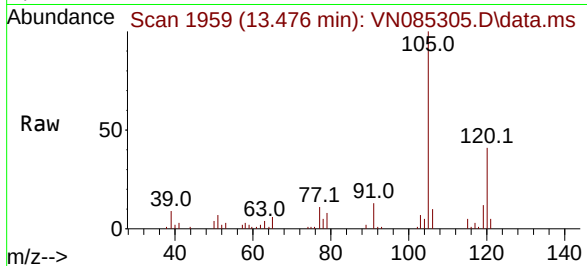




#83
tert-Butylbenzene
Concen: 0.821 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. 0.041 min
Lab File: VN085305.D
Acq: 23 Dec 2024 19:35

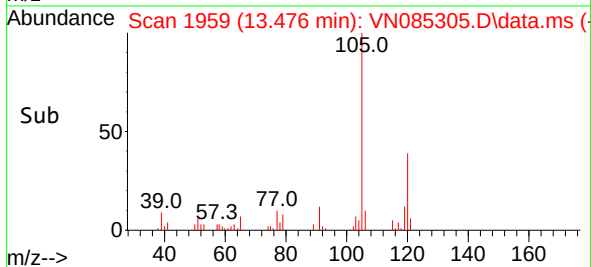
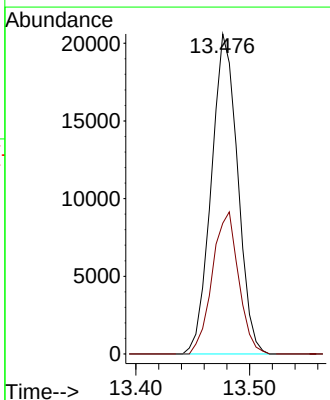
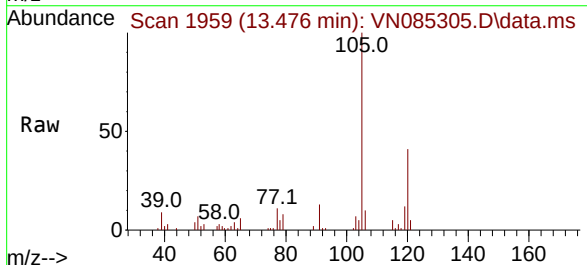
Instrument :
MSVOA_N
ClientSampleId :

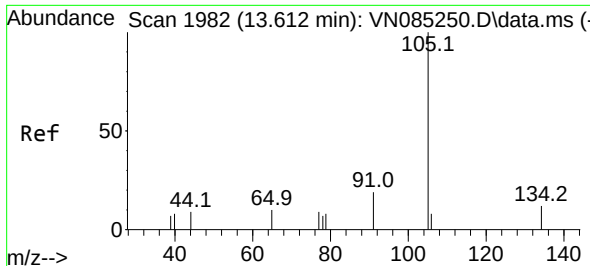
Tgt Ion:119 Resp: 4418
Ion Ratio Lower Upper
119 100
91 100.1 36.3 108.7
134 0.0 12.2 36.6#



#84
1,2,4-Trimethylbenzene
Concen: 5.115 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. -0.006 min
Lab File: VN085305.D
Acq: 23 Dec 2024 19:35

Tgt Ion:105 Resp: 33195
Ion Ratio Lower Upper
105 100
120 44.4 21.8 65.3

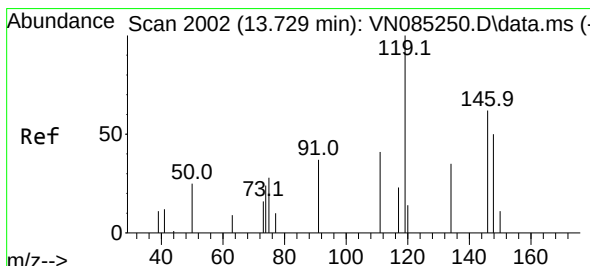
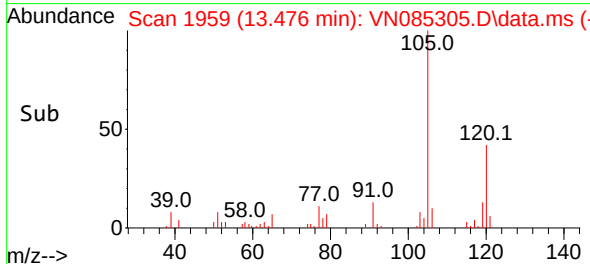
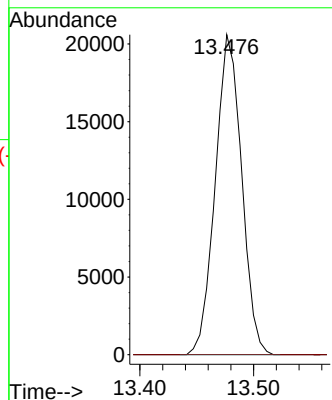
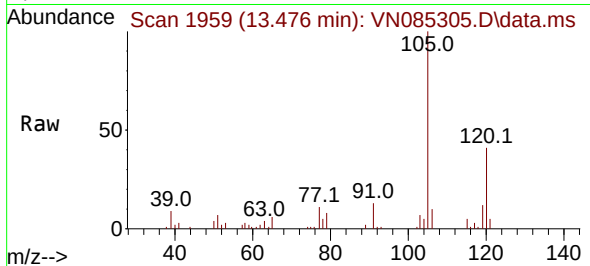




#85
 sec-Butylbenzene
 Concen: 4.423 ug/l
 RT: 13.476 min Scan# 1982
 Delta R.T. -0.135 min
 Lab File: VN085305.D
 Acq: 23 Dec 2024 19:35

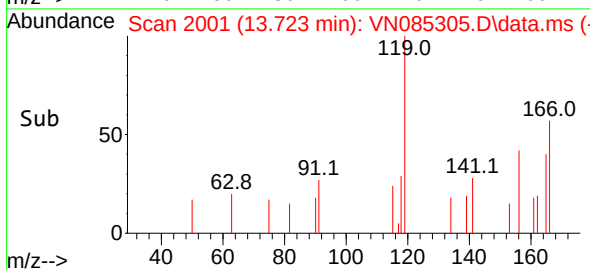
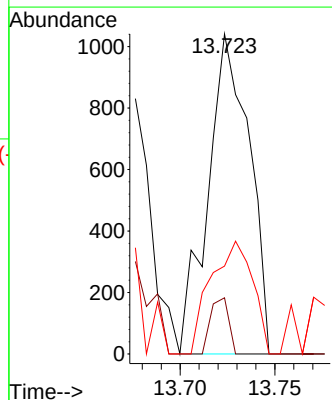
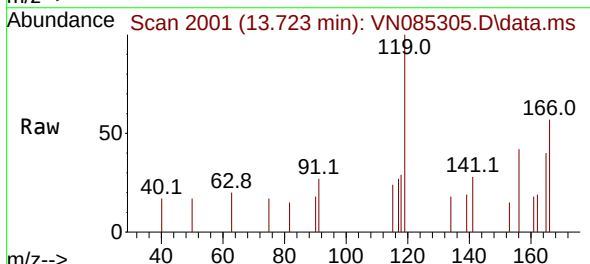
Instrument :
 MSVOA_N
 ClientSampleId :

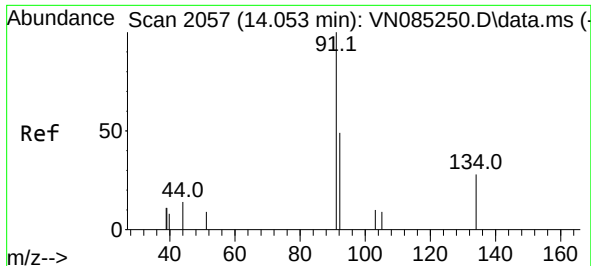
Tgt Ion:105 Resp: 33195
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.4 28.3#



#86
 p-Isopropyltoluene
 Concen: 2.156 ug/l
 RT: 13.723 min Scan# 2001
 Delta R.T. -0.006 min
 Lab File: VN085305.D
 Acq: 23 Dec 2024 19:35

Tgt Ion:119 Resp: 1581
 Ion Ratio Lower Upper
 119 100
 134 7.7 12.5 37.5#
 91 0.0 13.0 38.9#





#89

n-Butylbenzene

Concen: 8.779 ug/l

RT: 13.988 min Scan# 2046

Delta R.T. -0.065 min

Lab File: VN085305.D

Acq: 23 Dec 2024 19:35

Instrument :

MSVOA_N

ClientSampleId :

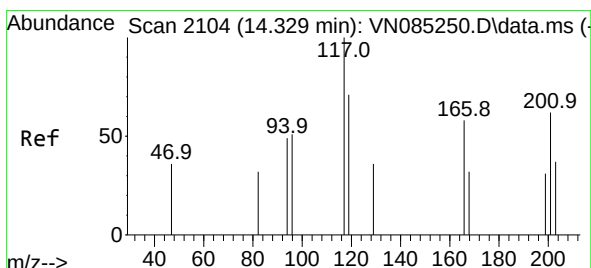
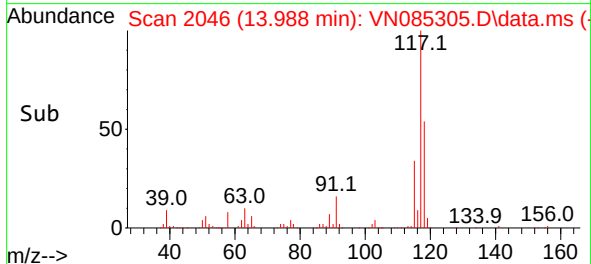
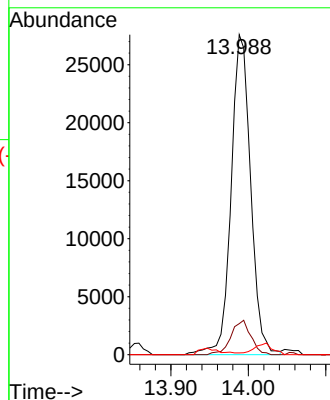
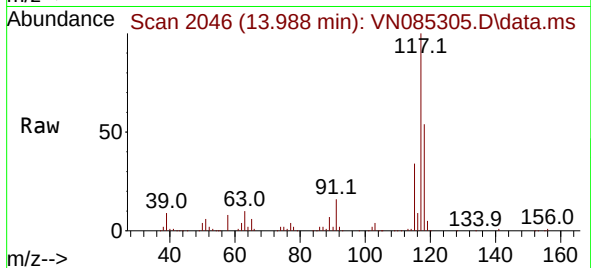
Tgt Ion: 91 Resp: 48458

Ion Ratio Lower Upper

91 100

92 10.9 25.8 77.3#

134 0.0 12.0 36.0#



#90

Hexachloroethane

Concen: 0.695 ug/l

RT: 14.329 min Scan# 2104

Delta R.T. -0.006 min

Lab File: VN085305.D

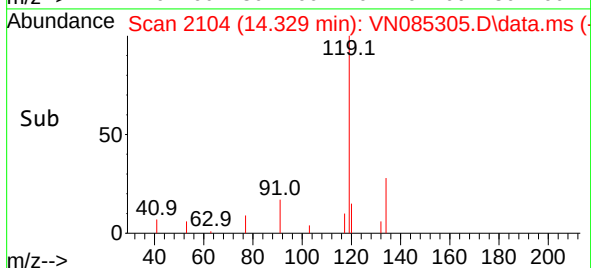
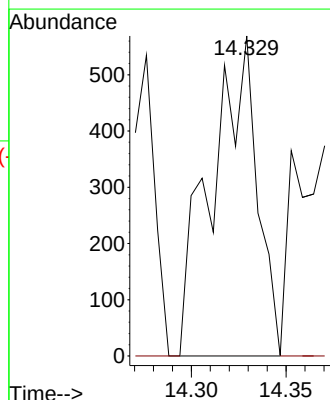
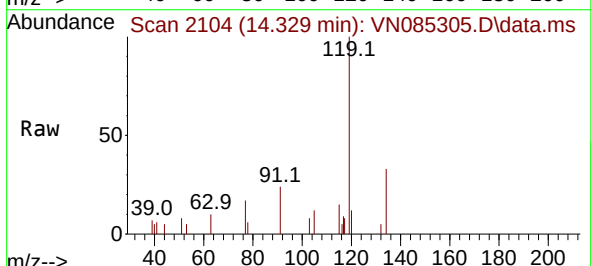
Acq: 23 Dec 2024 19:35

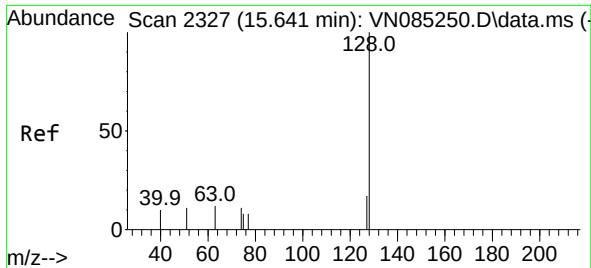
Tgt Ion: 117 Resp: 958

Ion Ratio Lower Upper

117 100

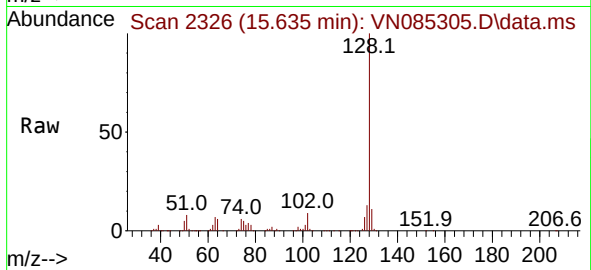
201 0.0 31.9 95.7#





#95
Naphthalene
Concen: 356.229 ug/l
RT: 15.635 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN085305.D
Acq: 23 Dec 2024 19:35

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128 Resp: 2066970
Ion Ratio Lower Upper
128 100
127 13.2 10.3 15.5
129 11.0 8.6 13.0

