

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120424\
 Data File : VN085092.D
 Acq On : 04 Dec 2024 14:25
 Operator : JC\MD
 Sample : P5052-14
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 04 22:06:51 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 23 02:54:10 2024
 Response via : Initial Calibration

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

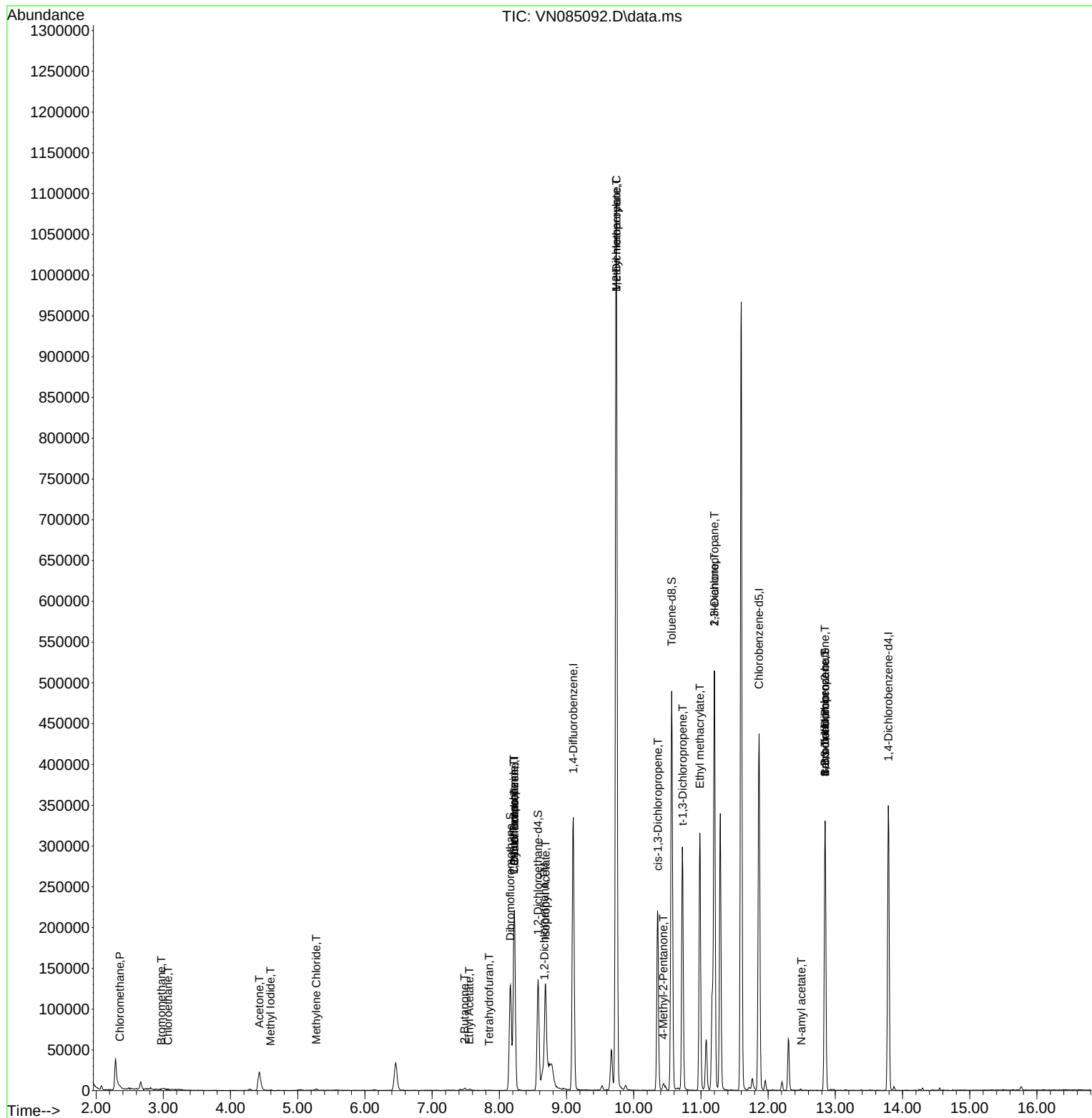
Internal Standards						
1) Pentafluorobenzene	8.224	168	159336	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	287542	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	252903	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	95200	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	113352	49.943	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.880%		
35) Dibromofluoromethane	8.165	113	92932	47.926	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.860%		
50) Toluene-d8	10.565	98	337228	48.527	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.060%		
62) 4-Bromofluorobenzene	12.847	95	116360	44.775	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	89.540%		
Target Compounds					Qvalue	
3) Chloromethane	2.354	50	634	0.303	ug/l #	40
5) Bromomethane	2.971	94	252	0.239	ug/l #	73
6) Chloroethane	3.071	64	403	0.318	ug/l #	44
10) Methyl Iodide	4.595	142	909	0.379	ug/l #	39
16) Acetone	4.430	43	41164	62.275	ug/l	93
18) Methyl Acetate	5.030	43	2370	Below Cal	#	57
20) Methylene Chloride	5.277	84	1422	0.705	ug/l #	91
25) 2-Butanone	7.483	43	4679	4.330	ug/l #	86
29) Tetrahydrofuran	7.847	42	409	0.609	ug/l #	31
31) Cyclohexane	8.224	56	3558	1.177	ug/l #	6
36) 1,1-Dichloropropene	8.218	75	13195	5.024	ug/l #	45
37) Ethyl Acetate	7.553	43	2784	1.166	ug/l #	75
38) Carbon Tetrachloride	8.218	117	16432	5.420	ug/l #	15
42) 1,2-Dichloroethane	8.671	62	628	0.221	ug/l #	75
43) Isopropyl Acetate	8.688	43	180850	36.463	ug/l #	80
45) 1,2-Dichloropropane	9.741	63	1340	0.655	ug/l #	45
48) Methyl methacrylate	9.741	41	96547	52.311	ug/l #	39
51) 4-Methyl-2-Pentanone	10.441	43	8849	3.906	ug/l #	69
53) t-1,3-Dichloropropene	10.730	75	650	0.215	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	40823	12.738	ug/l #	62
56) Ethyl methacrylate	10.982	69	1402	0.524	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	5150	1.597	ug/l #	42
59) 2-Hexanone	11.200	43	60111	35.478	ug/l #	55
71) Bromoform	12.847	173	496	0.331	ug/l #	1
74) N-amyl acetate	12.494	43	869	0.314	ug/l #	42
76) 1,2,3-Trichloropropane	12.847	75	61855	35.721	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	61855	78.857	ug/l #	10

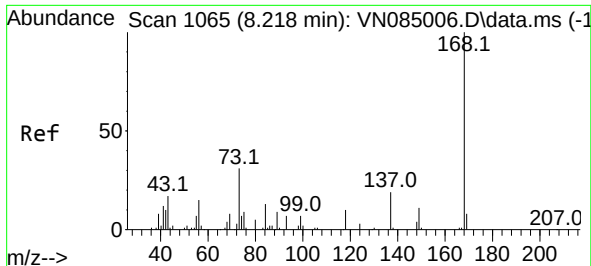
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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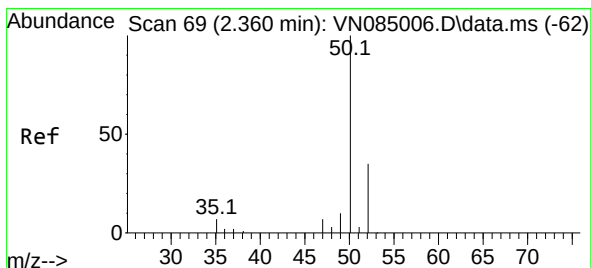
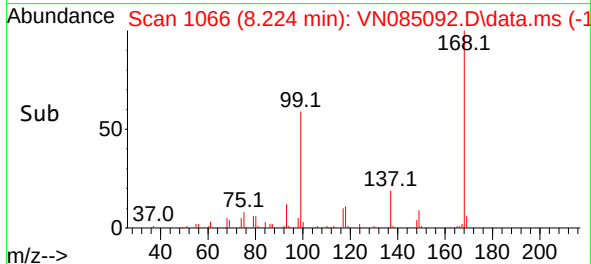
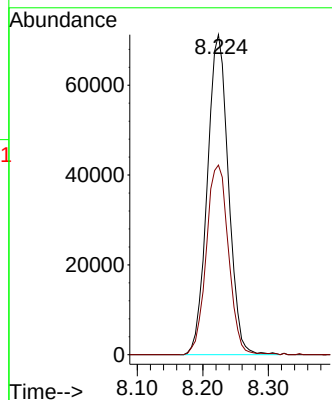
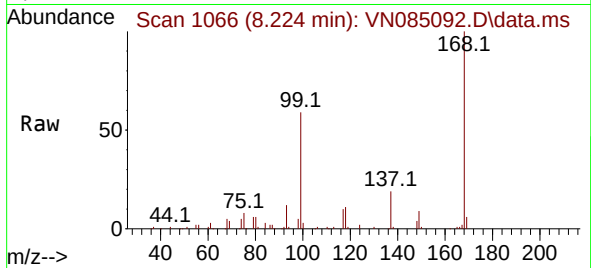




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085092.D
Acq: 04 Dec 2024 14:25

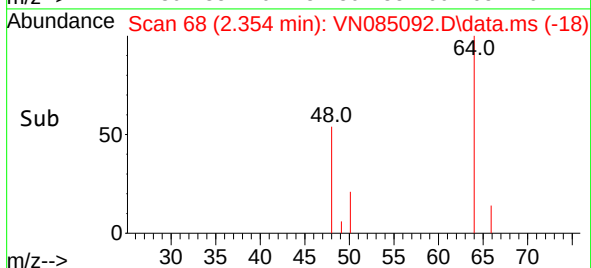
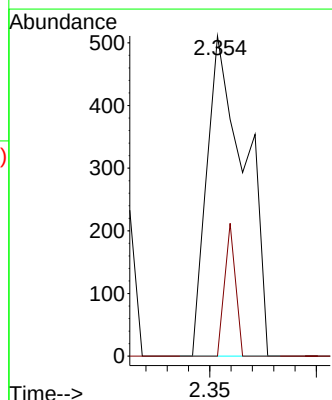
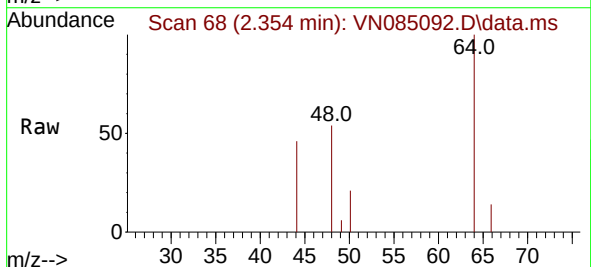
Instrument :
MSVOA_N
ClientSampleId :

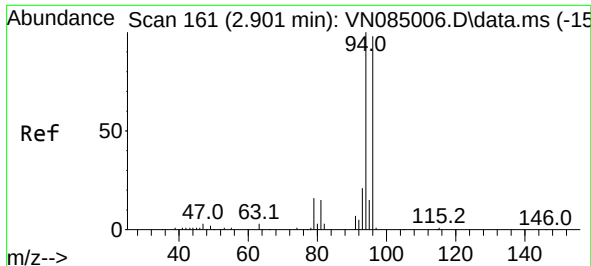
Tgt Ion:168 Resp: 159336
Ion Ratio Lower Upper
168 100
99 59.3 51.2 76.8



#3
Chloromethane
Concen: 0.303 ug/l
RT: 2.354 min Scan# 68
Delta R.T. -0.006 min
Lab File: VN085092.D
Acq: 04 Dec 2024 14:25

Tgt Ion: 50 Resp: 634
Ion Ratio Lower Upper
50 100
52 0.0 27.8 41.8#

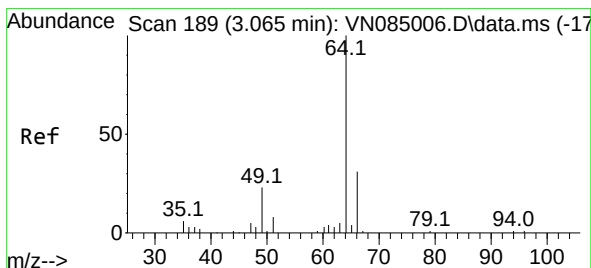
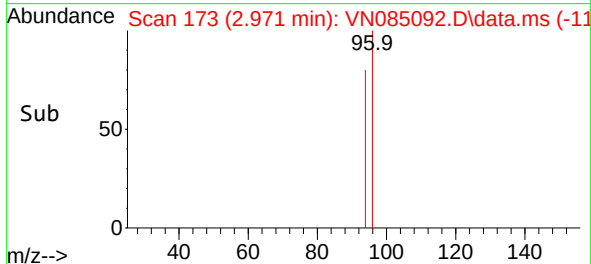
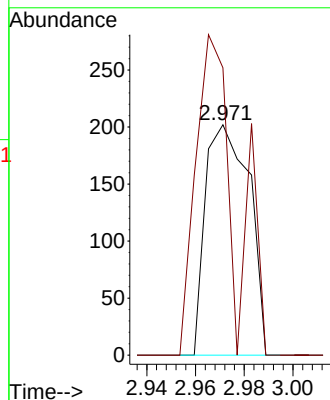
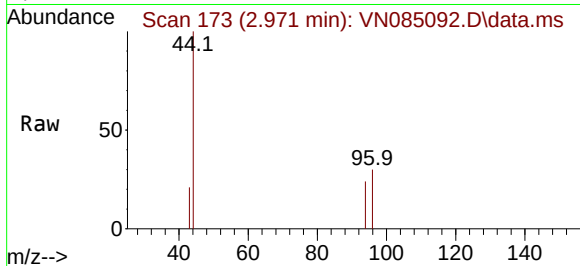




#5
Bromomethane
Concen: 0.239 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.071 min
Lab File: VN085092.D
Acq: 04 Dec 2024 14:25

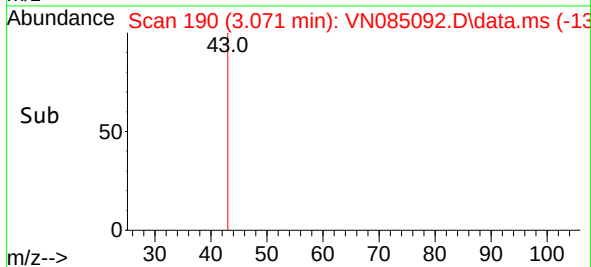
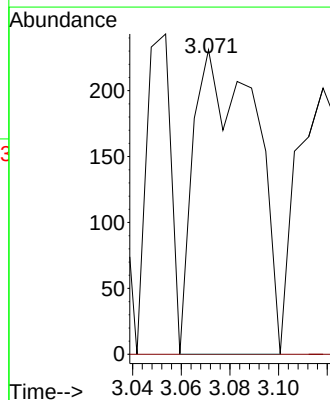
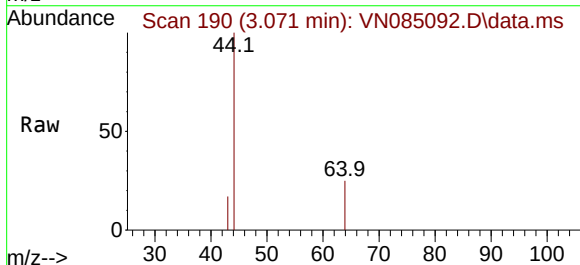
Instrument :
MSVOA_N
ClientSampleId :

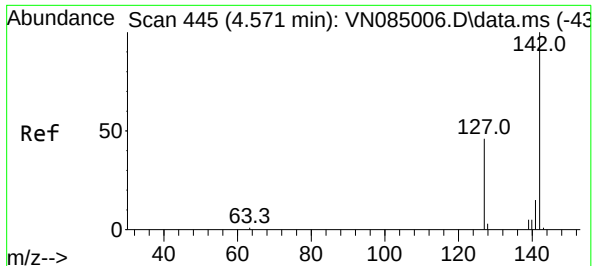
Tgt Ion: 94 Resp: 252
Ion Ratio Lower Upper
94 100
96 124.8 78.7 118.1#



#6
Chloroethane
Concen: 0.318 ug/l
RT: 3.071 min Scan# 190
Delta R.T. 0.006 min
Lab File: VN085092.D
Acq: 04 Dec 2024 14:25

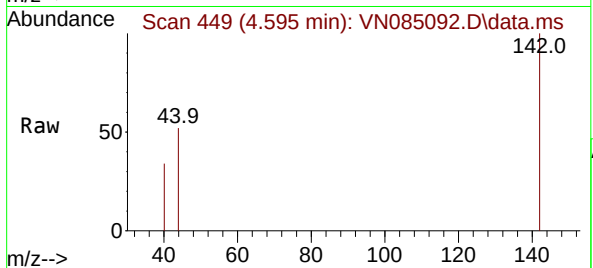
Tgt Ion: 64 Resp: 403
Ion Ratio Lower Upper
64 100
66 0.0 24.4 36.6#



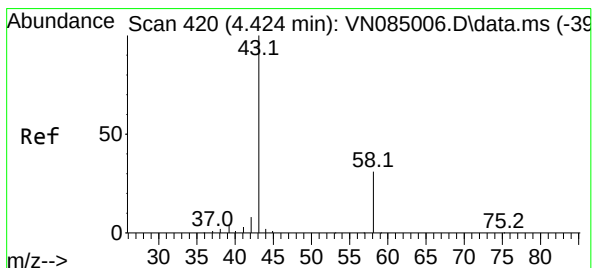
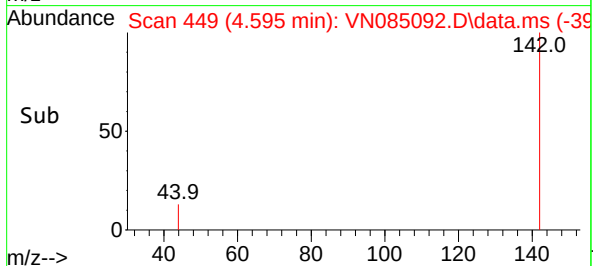
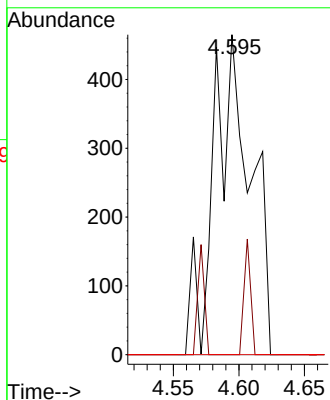


#10
Methyl Iodide
Concen: 0.379 ug/l
RT: 4.595 min Scan# 445
Delta R.T. 0.024 min
Lab File: VN085092.D
Acq: 04 Dec 2024 14:25

Instrument :
MSVOA_N
ClientSampleId :

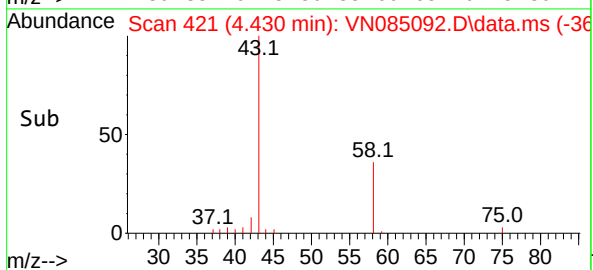
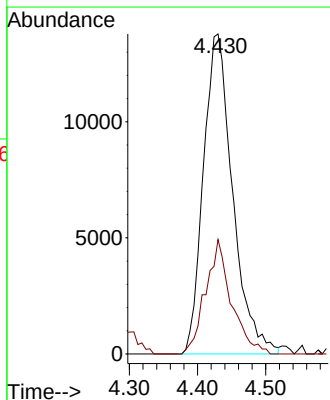
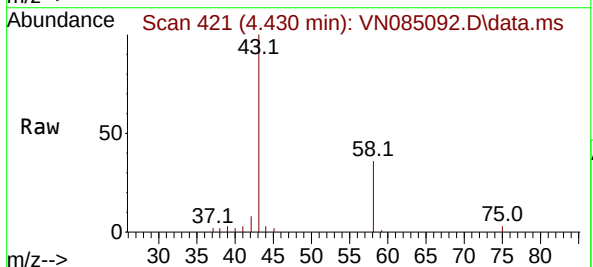


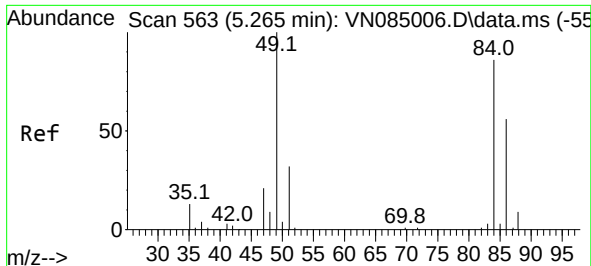
Tgt Ion:142 Resp: 909
Ion Ratio Lower Upper
142 100
127 0.0 36.6 54.8#
141 0.0 12.2 18.4#



#16
Acetone
Concen: 62.275 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN085092.D
Acq: 04 Dec 2024 14:25

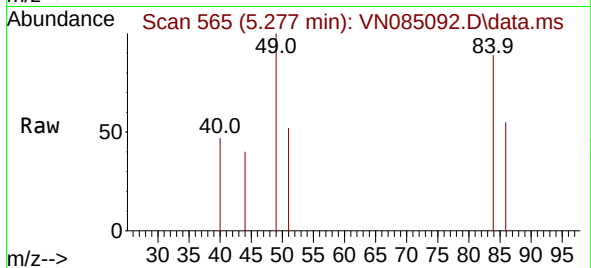
Tgt Ion: 43 Resp: 41164
Ion Ratio Lower Upper
43 100
58 35.7 25.4 38.2



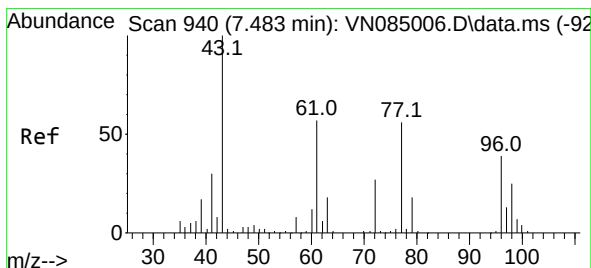
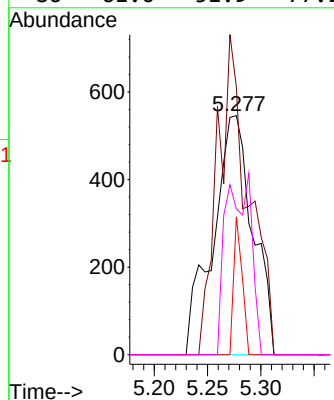


#20
Methylene Chloride
Concen: 0.705 ug/l
RT: 5.277 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN085092.D
Acq: 04 Dec 2024 14:25

Instrument :
MSVOA_N
ClientSampleId :

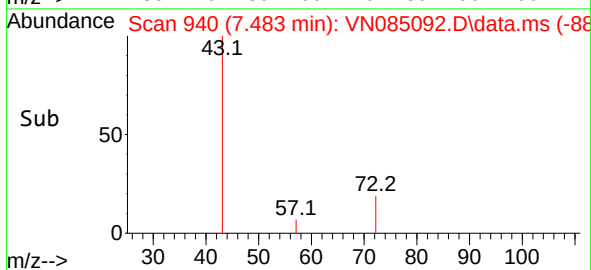
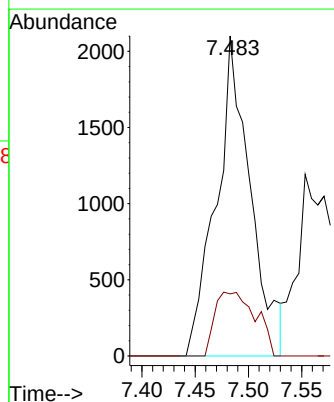
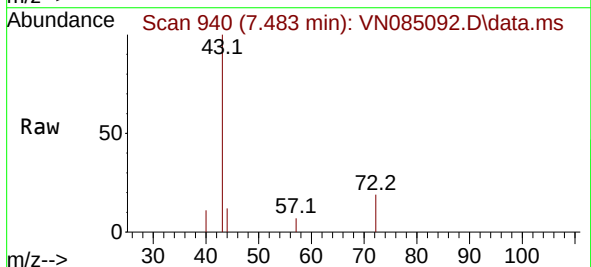


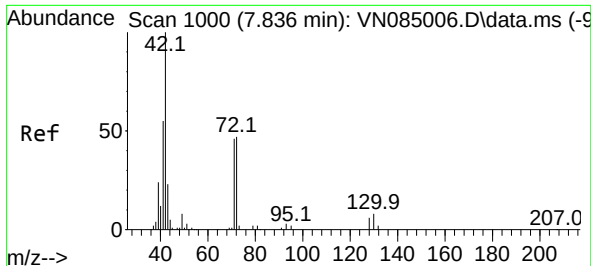
Tgt Ion: 84	Resp: 1422
Ion Ratio	Lower Upper
84 100	
49 111.9	92.7 139.1
51 57.7	29.4 44.2#
86 61.0	51.9 77.9



#25
2-Butanone
Concen: 4.330 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN085092.D
Acq: 04 Dec 2024 14:25

Tgt Ion: 43	Resp: 4679		
Ion Ratio	Lower	Upper	
43 100			
72 19.4	21.4	32.0#	





#29

Tetrahydrofuran

Concen: 0.609 ug/l

RT: 7.847 min Scan# 1066

Delta R.T. 0.012 min

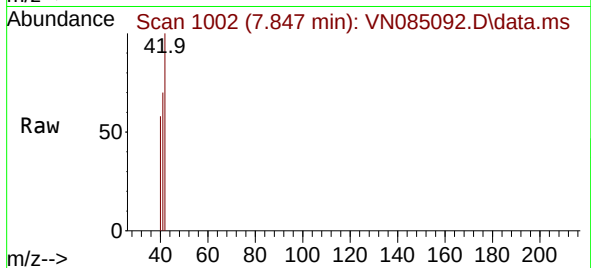
Lab File: VN085092.D

Acq: 04 Dec 2024 14:25

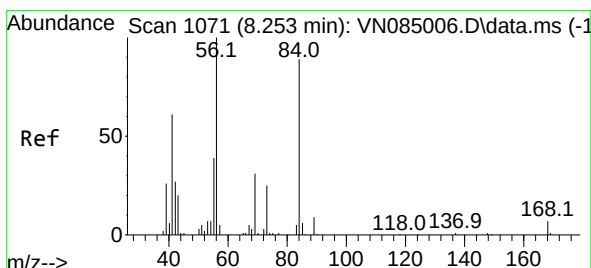
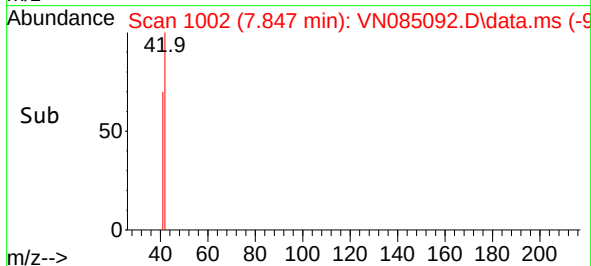
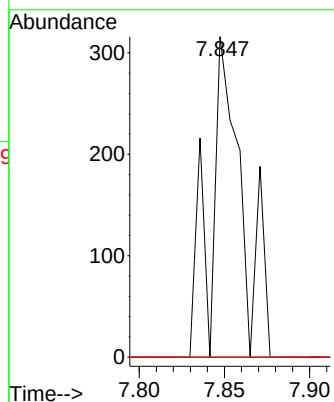
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	409
Ion	Ratio	Lower	Upper
42	100		
72	0.0	37.0	55.4#
71	0.0	35.0	52.4#



#31

Cyclohexane

Concen: 1.177 ug/l

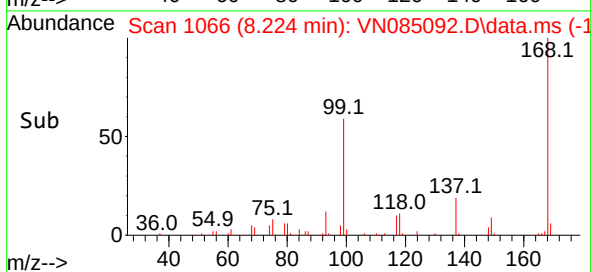
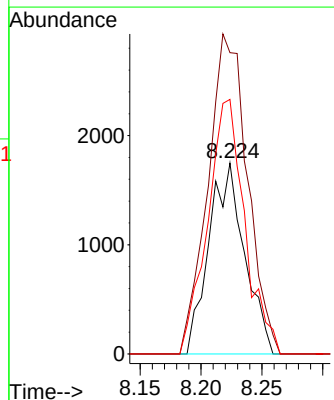
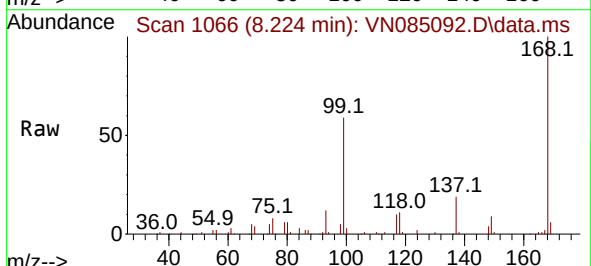
RT: 8.224 min Scan# 1066

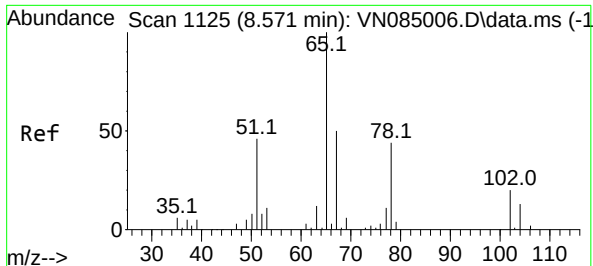
Delta R.T. -0.029 min

Lab File: VN085092.D

Acq: 04 Dec 2024 14:25

Tgt Ion:	56	Resp:	3558
Ion	Ratio	Lower	Upper
56	100		
69	157.9	24.6	36.8#
84	133.4	71.4	107.2#





#33

1,2-Dichloroethane-d4

Concen: 49.943 ug/l

RT: 8.577 min Scan# 1125

Delta R.T. 0.006 min

Lab File: VN085092.D

Acq: 04 Dec 2024 14:25

Instrument :

MSVOA_N

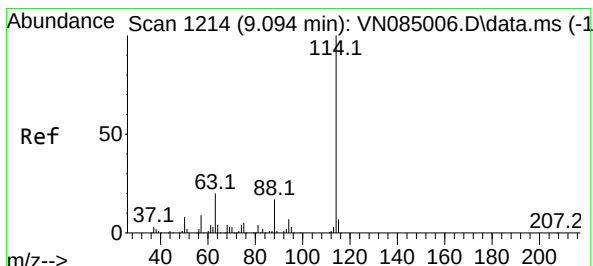
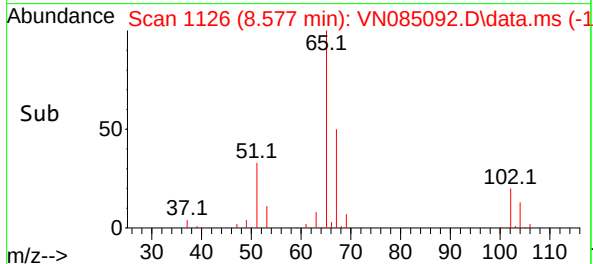
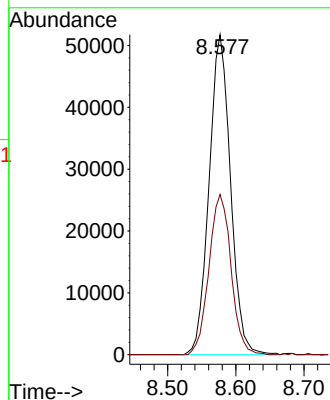
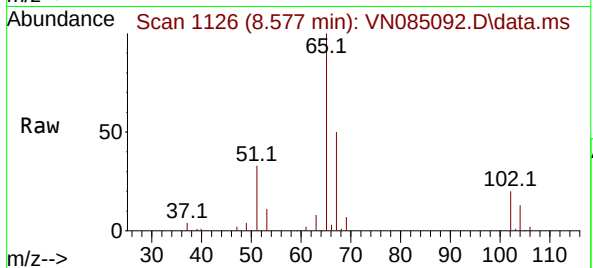
ClientSampleId :

Tgt Ion: 65 Resp: 113352

Ion Ratio Lower Upper

65 100

67 51.5 0.0 105.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.006 min

Lab File: VN085092.D

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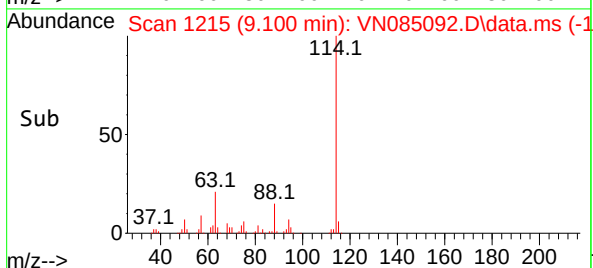
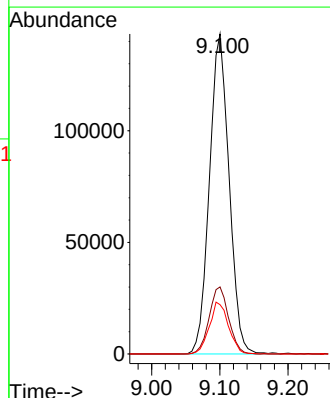
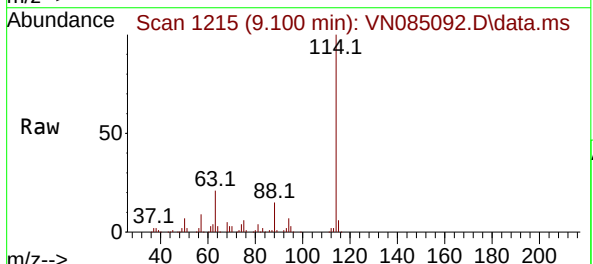
Tgt Ion: 114 Resp: 287542

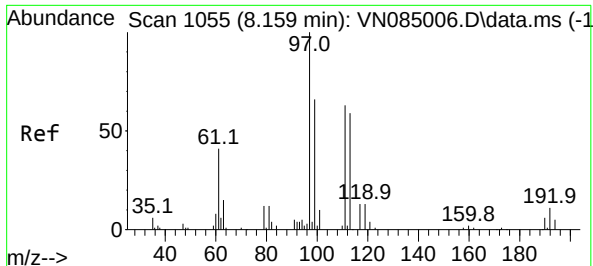
Ion Ratio Lower Upper

114 100

63 21.0 0.0 41.0

88 15.4 0.0 34.8





#35

Dibromofluoromethane

Concen: 47.926 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

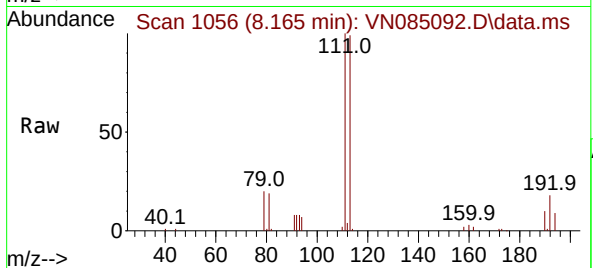
Lab File: VN085092.D

Acq: 04 Dec 2024 14:25

Instrument :

MSVOA_N

ClientSampleId :



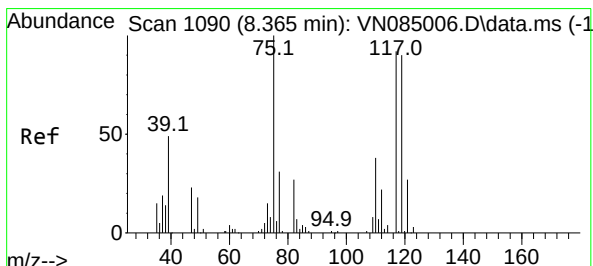
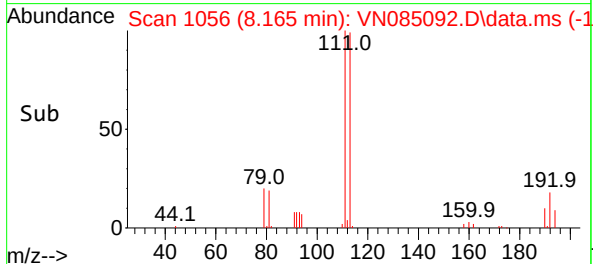
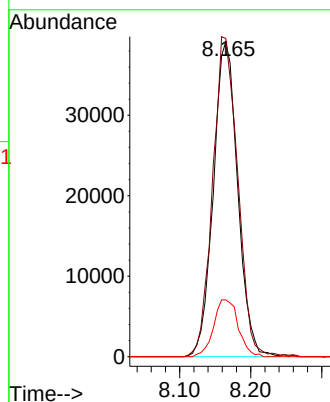
Tgt Ion:113 Resp: 92932

Ion Ratio Lower Upper

113 100

111 104.5 82.0 123.0

192 18.3 14.8 22.2



#36

1,1-Dichloropropene

Concen: 5.024 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

Lab File: VN085092.D

Acq: 04 Dec 2024 14:25

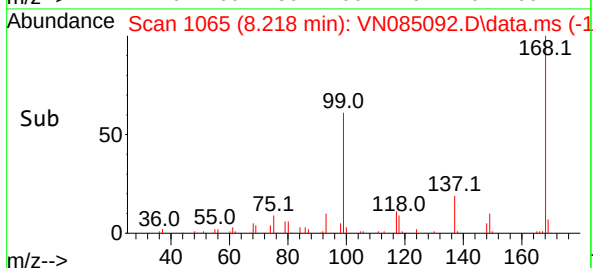
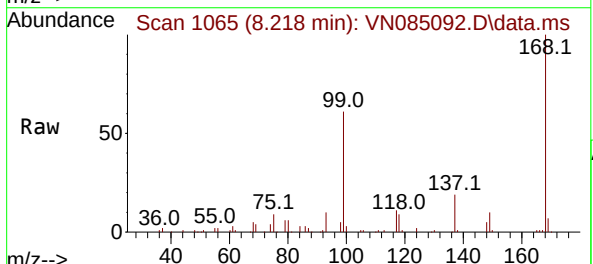
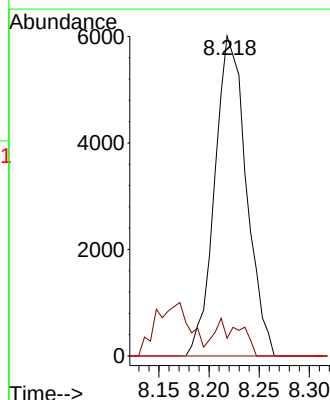
Tgt Ion: 75 Resp: 13195

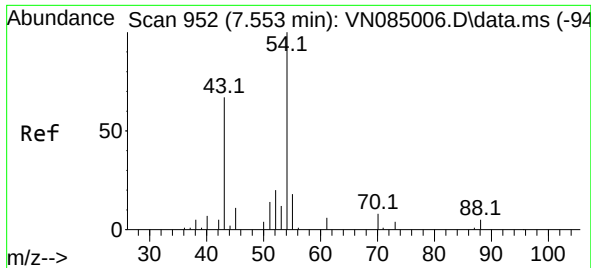
Ion Ratio Lower Upper

75 100

110 3.0 17.2 51.6#

77 0.0 24.2 36.4#

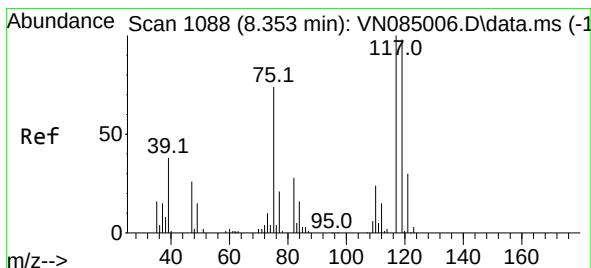
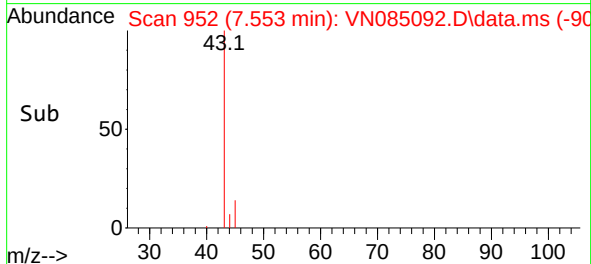
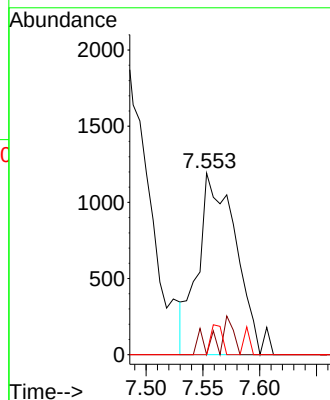
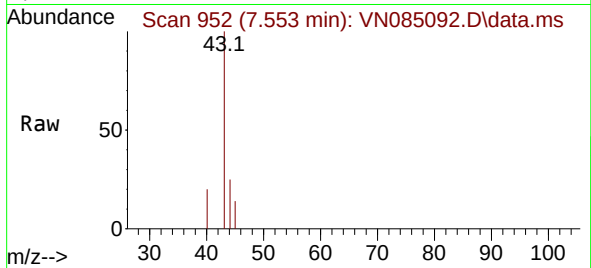




#37
Ethyl Acetate
Concen: 1.166 ug/l
RT: 7.553 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN085092.D
Acq: 04 Dec 2024 14:25

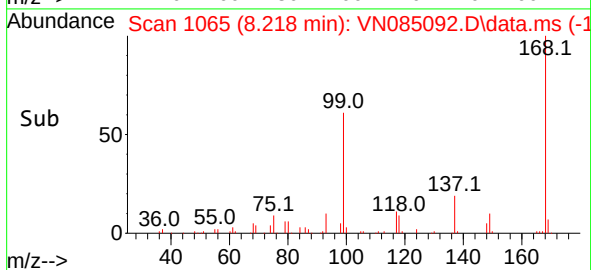
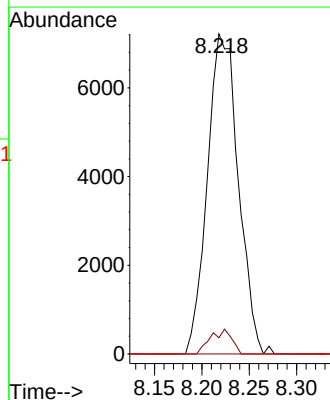
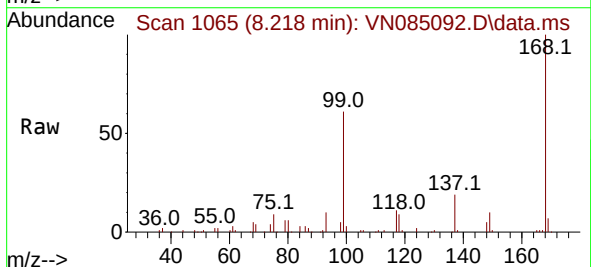
Instrument :
MSVOA_N
ClientSampleId :

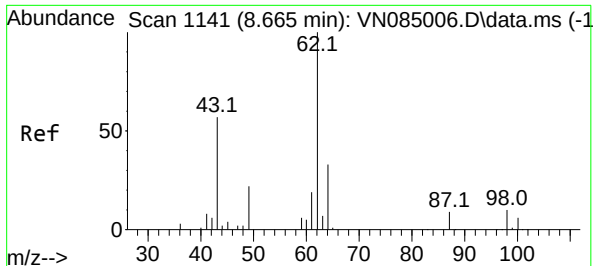
Tgt Ion: 43 Resp: 2784
Ion Ratio Lower Upper
43 100
61 2.2 11.7 17.5#
70 4.8 9.3 13.9#



#38
Carbon Tetrachloride
Concen: 5.420 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.135 min
Lab File: VN085092.D
Acq: 04 Dec 2024 14:25

Tgt Ion: 117 Resp: 16432
Ion Ratio Lower Upper
117 100
119 5.0 78.6 117.8#
121 0.0 24.2 36.2#

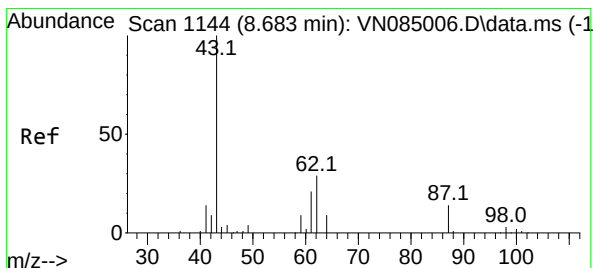
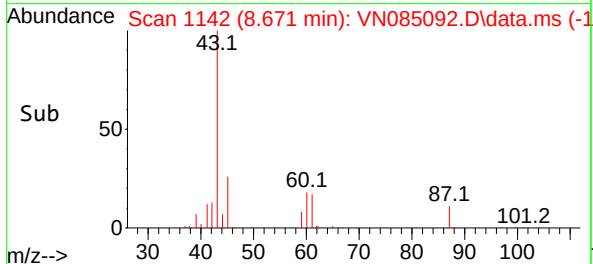
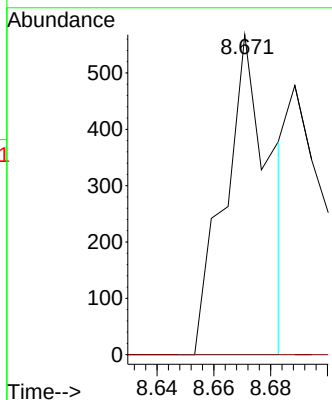
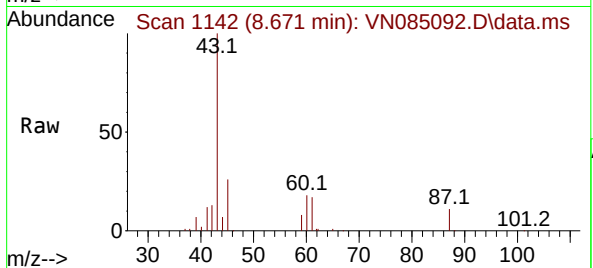




#42
1,2-Dichloroethane
Concen: 0.221 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.006 min
Lab File: VN085092.D
Acq: 04 Dec 2024 14:25

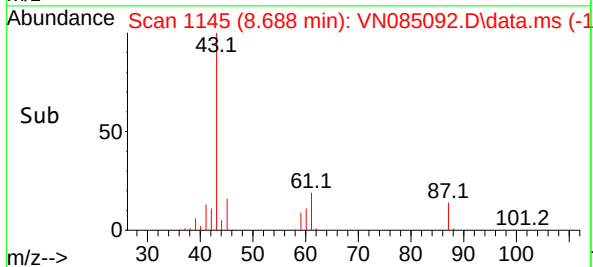
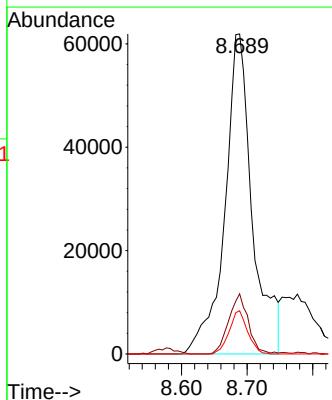
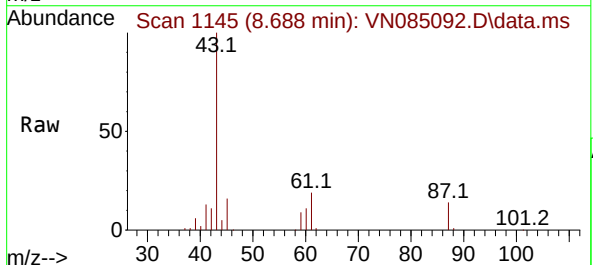
Instrument :
MSVOA_N
ClientSampleId :

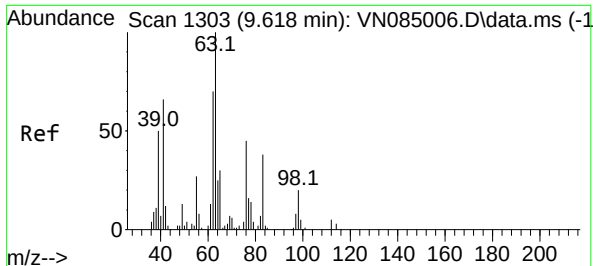
Tgt Ion: 62 Resp: 628
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.2



#43
Isopropyl Acetate
Concen: 36.463 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.006 min
Lab File: VN085092.D
Acq: 04 Dec 2024 14:25

Tgt Ion: 43 Resp: 180850
Ion Ratio Lower Upper
43 100
61 13.6 20.6 30.8#
87 9.0 11.0 16.4#





#45

1,2-Dichloropropane

Concen: 0.655 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.124 min

Lab File: VN085092.D

Acq: 04 Dec 2024 14:25

Instrument :

MSVOA_N

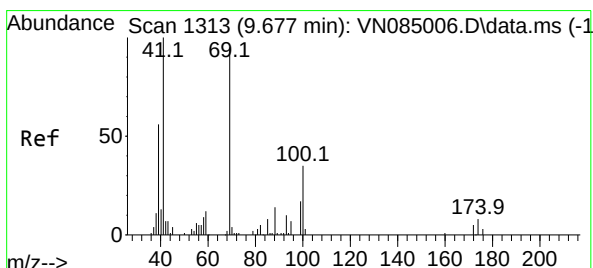
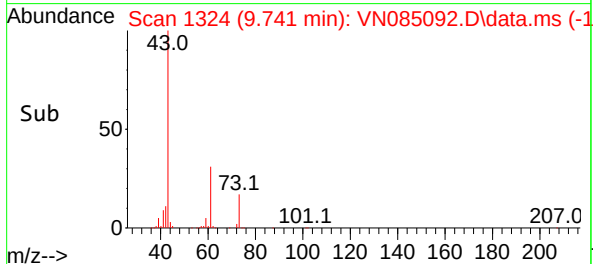
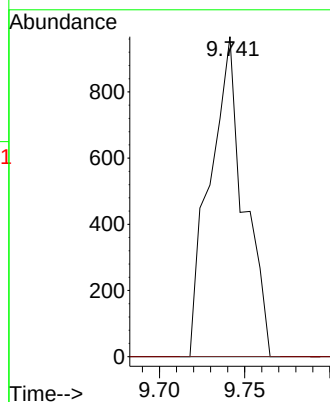
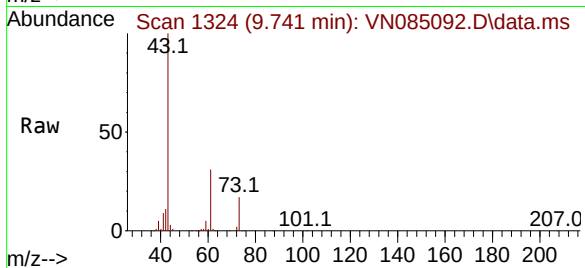
ClientSampleId :

Tgt Ion: 63 Resp: 1340

Ion Ratio Lower Upper

63 100

65 0.0 24.0 36.0#



#48

Methyl methacrylate

Concen: 52.311 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.065 min

Lab File: VN085092.D

Acq: 04 Dec 2024 14:25

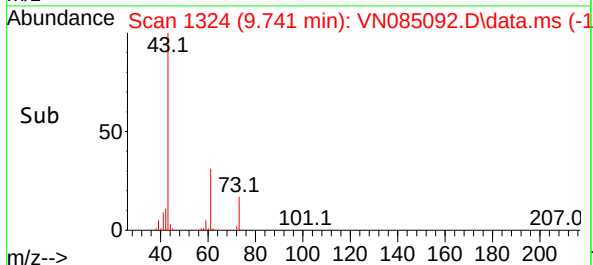
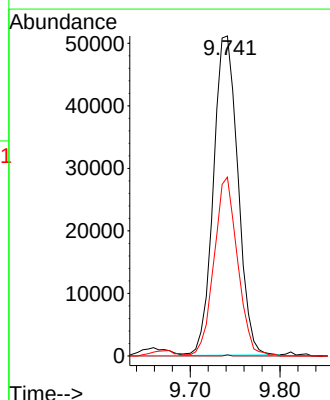
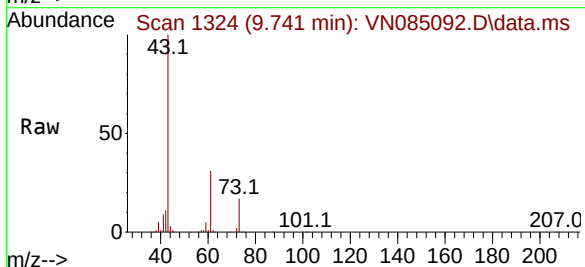
Tgt Ion: 41 Resp: 96547

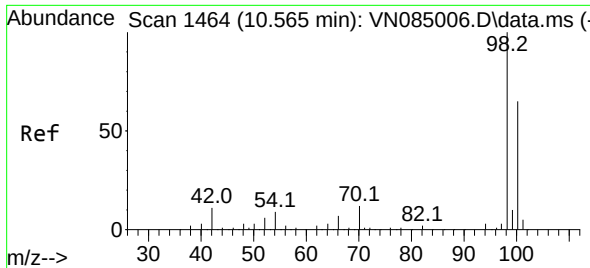
Ion Ratio Lower Upper

41 100

69 0.1 73.2 109.8#

39 54.0 46.2 69.4

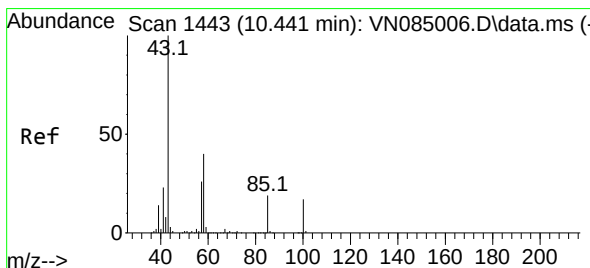
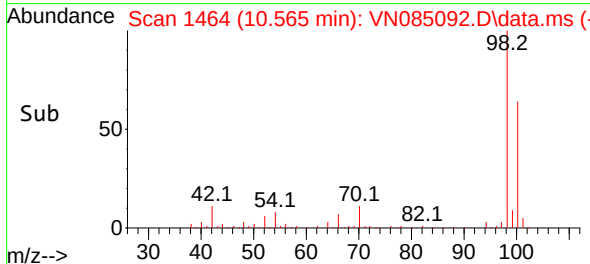
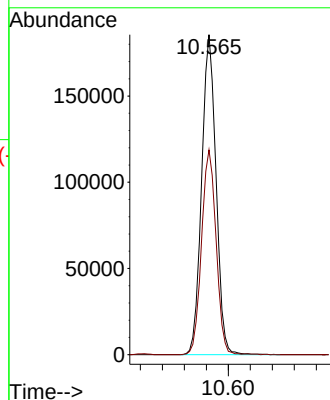
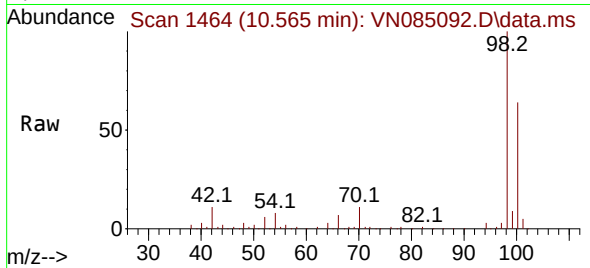




#50
Toluene-d8
Concen: 48.527 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN085092.D
Acq: 04 Dec 2024 14:25

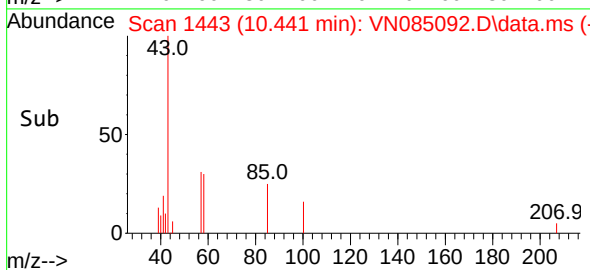
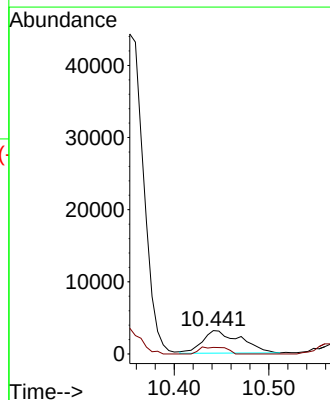
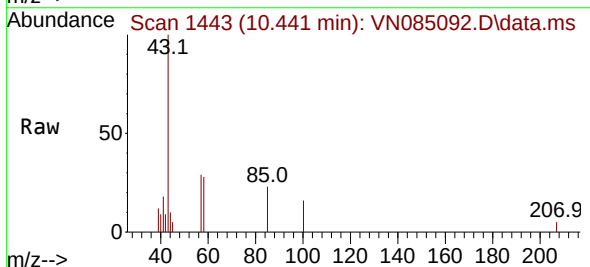
Instrument :
MSVOA_N
ClientSampleId :

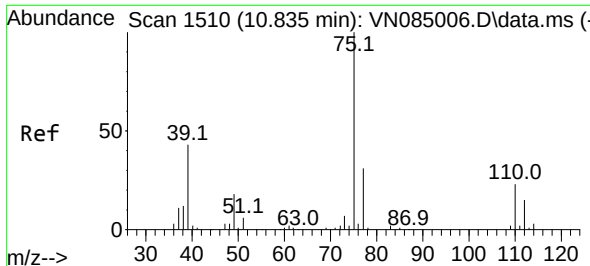
Tgt Ion: 98 Resp: 337228
Ion Ratio Lower Upper
98 100
100 64.8 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 3.906 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN085092.D
Acq: 04 Dec 2024 14:25

Tgt Ion: 43 Resp: 8849
Ion Ratio Lower Upper
43 100
58 21.1 32.1 48.1#

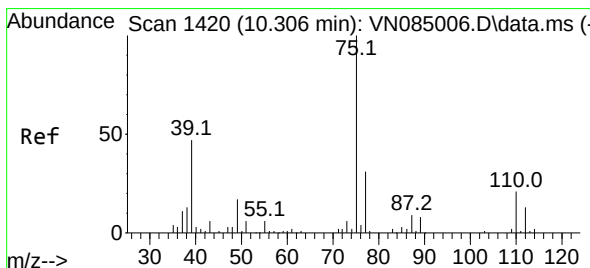
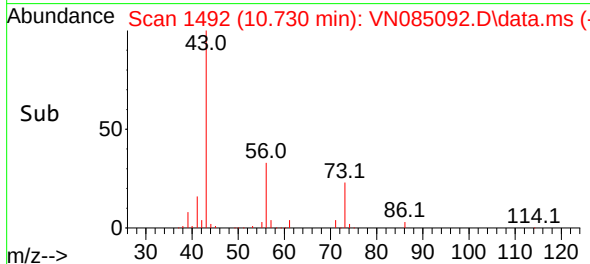
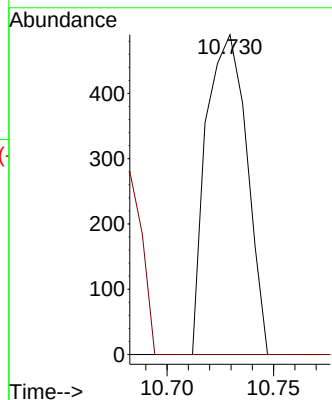
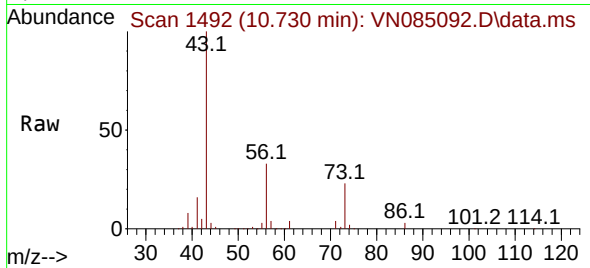




#53
t-1,3-Dichloropropene
Concen: 0.215 ug/l
RT: 10.730 min Scan# 1492
Delta R.T. -0.106 min
Lab File: VN085092.D
Acq: 04 Dec 2024 14:25

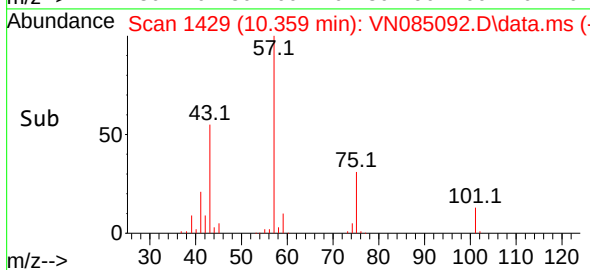
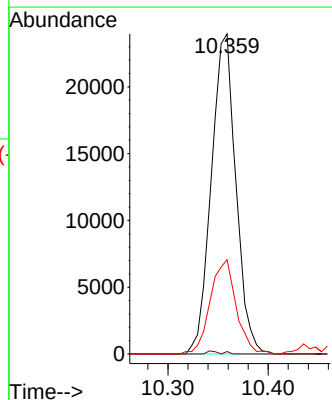
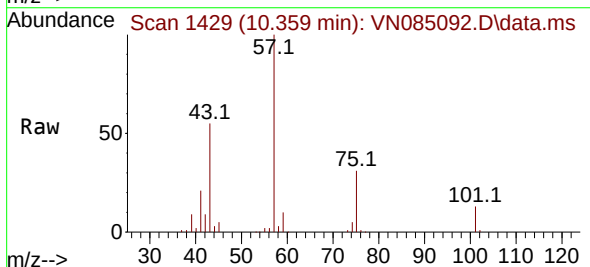
Instrument :
MSVOA_N
ClientSampleId :

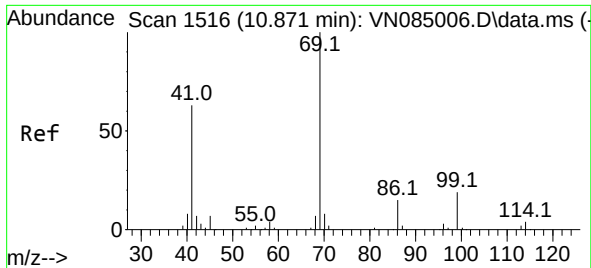
Tgt Ion: 75 Resp: 650
Ion Ratio Lower Upper
75 100
77 0.0 25.0 37.4#



#54
cis-1,3-Dichloropropene
Concen: 12.738 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.053 min
Lab File: VN085092.D
Acq: 04 Dec 2024 14:25

Tgt Ion: 75 Resp: 40823
Ion Ratio Lower Upper
75 100
77 0.8 25.0 37.4#
39 29.4 37.6 56.4#

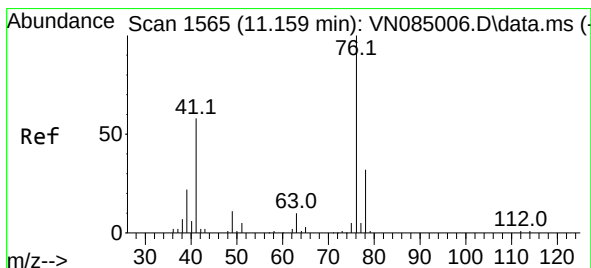
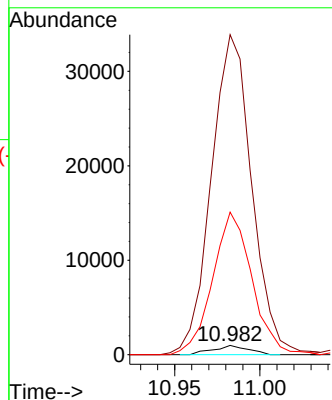
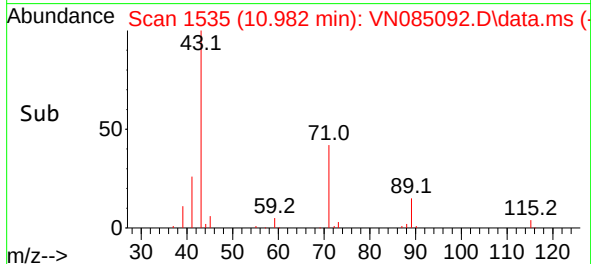
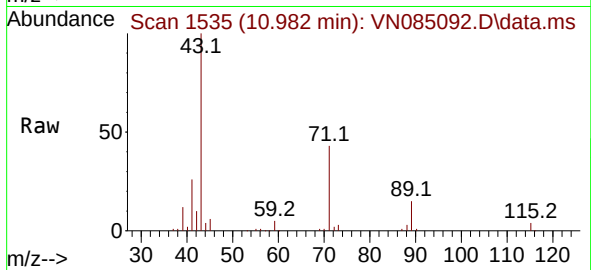




#56
Ethyl methacrylate
Concen: 0.524 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.112 min
Lab File: VN085092.D
Acq: 04 Dec 2024 14:25

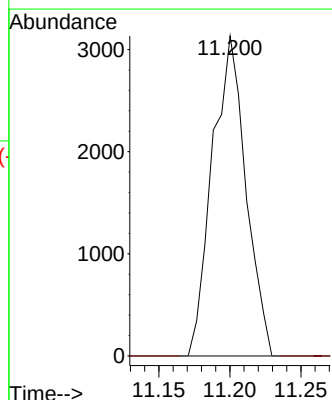
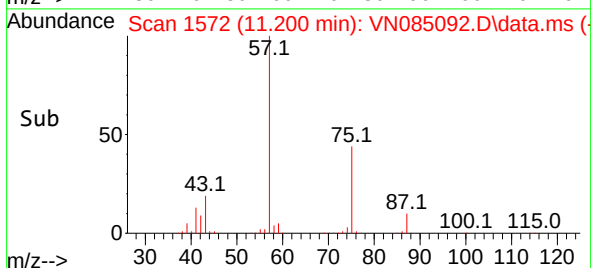
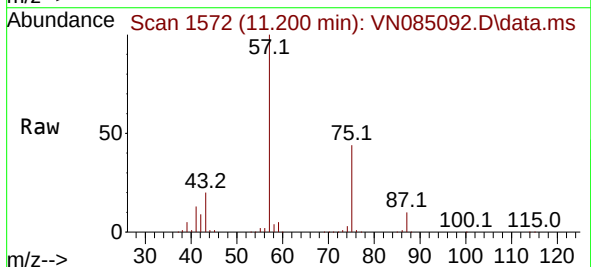
Instrument :
MSVOA_N
ClientSampleId :

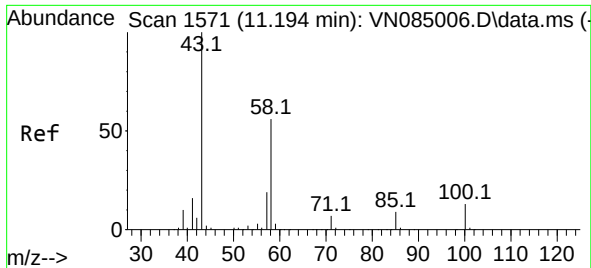
Tgt Ion: 69 Resp: 1402
Ion Ratio Lower Upper
69 100
41 4011.6 50.0 75.0#
39 1732.0 27.0 40.6#



#57
1,3-Dichloropropane
Concen: 1.597 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN085092.D
Acq: 04 Dec 2024 14:25

Tgt Ion: 76 Resp: 5150
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

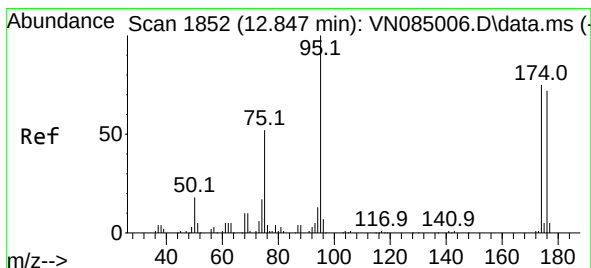
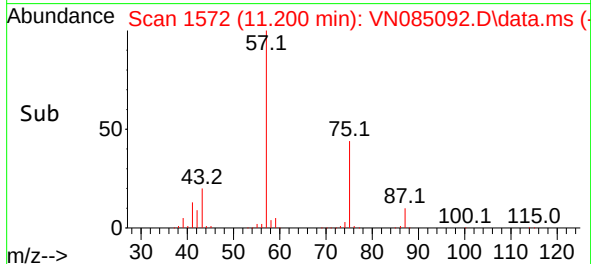
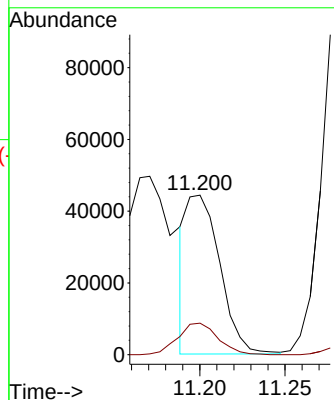
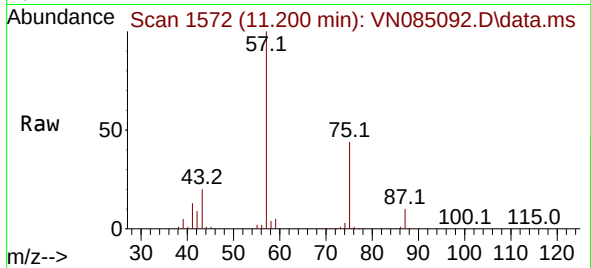




#59
2-Hexanone
Concen: 35.478 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.006 min
Lab File: VN085092.D
Acq: 04 Dec 2024 14:25

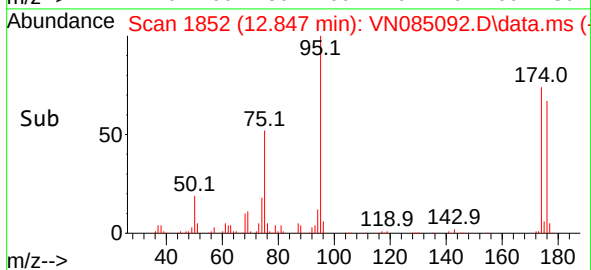
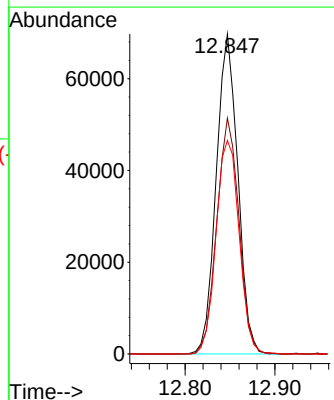
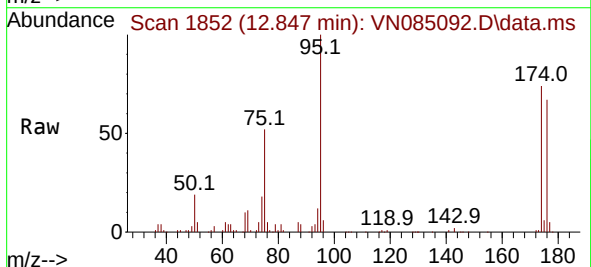
Instrument :
MSVOA_N
ClientSampleId :

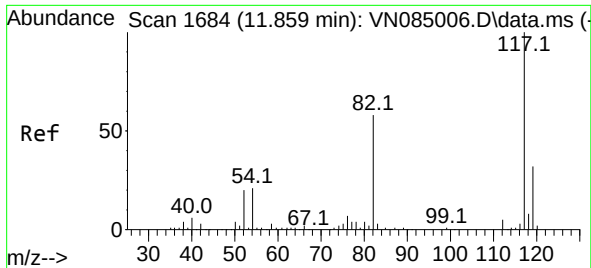
Tgt Ion: 43 Resp: 60111
Ion Ratio Lower Upper
43 100
58 24.0 28.3 85.0#



#62
4-Bromofluorobenzene
Concen: 44.775 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085092.D
Acq: 04 Dec 2024 14:25

Tgt Ion: 95 Resp: 116360
Ion Ratio Lower Upper
95 100
174 75.7 0.0 146.6
176 71.5 0.0 141.8

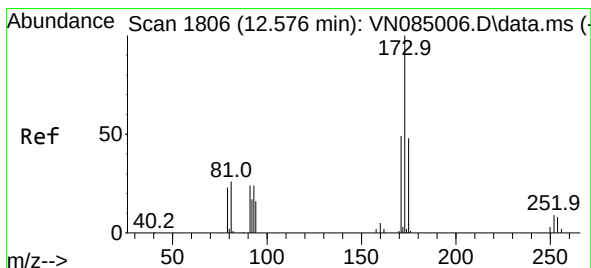
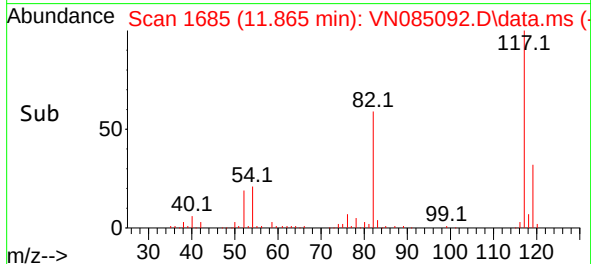
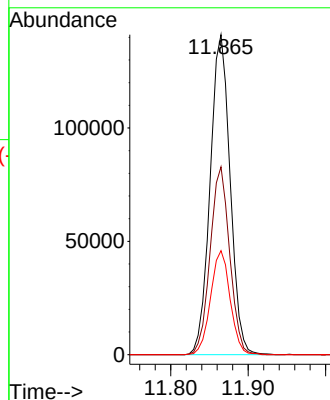
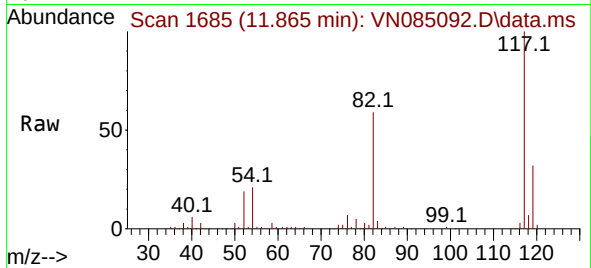




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN085092.D
Acq: 04 Dec 2024 14:25

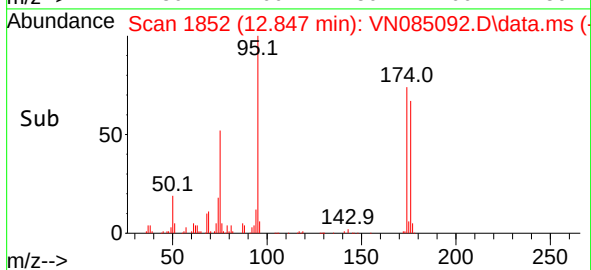
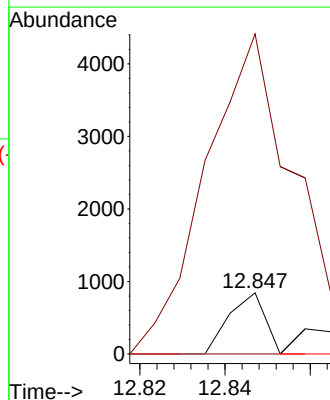
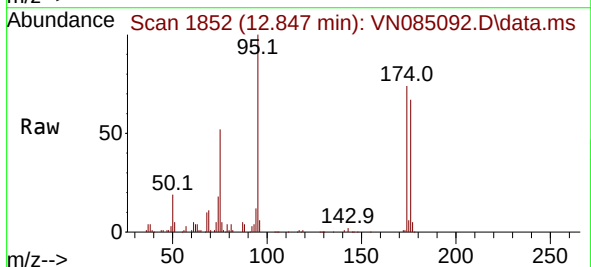
Instrument :
MSVOA_N
ClientSampleId :

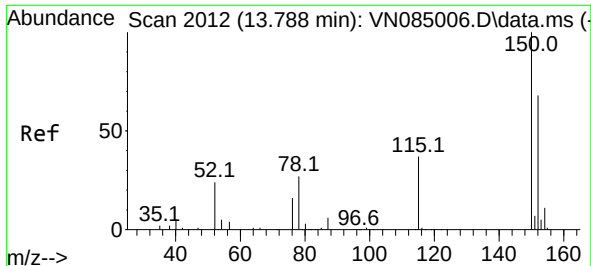
Tgt Ion:117 Resp: 252903
Ion Ratio Lower Upper
117 100
82 58.7 46.0 69.0
119 32.5 25.6 38.4



#71
Bromoform
Concen: 0.331 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.271 min
Lab File: VN085092.D
Acq: 04 Dec 2024 14:25

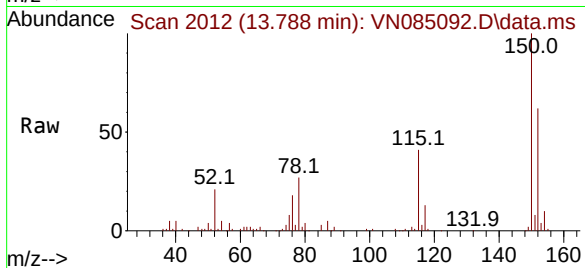
Tgt Ion:173 Resp: 496
Ion Ratio Lower Upper
173 100
175 1039.9 23.8 71.2#
254 0.0 0.0 0.0



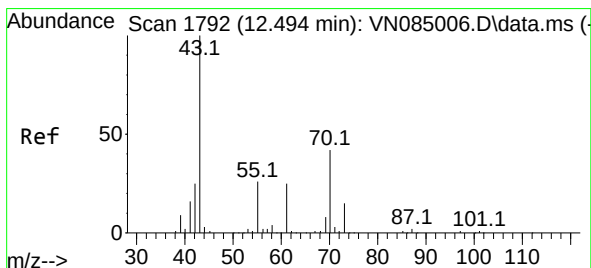
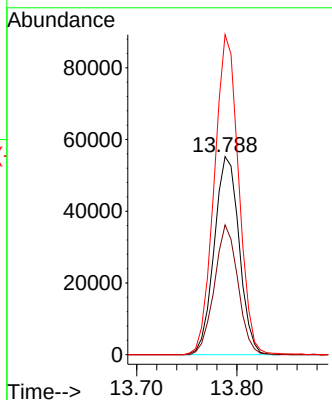
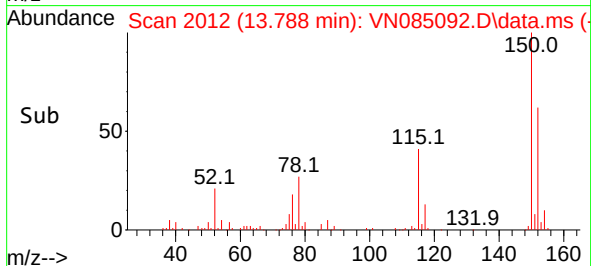


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN085092.D
Acq: 04 Dec 2024 14:25

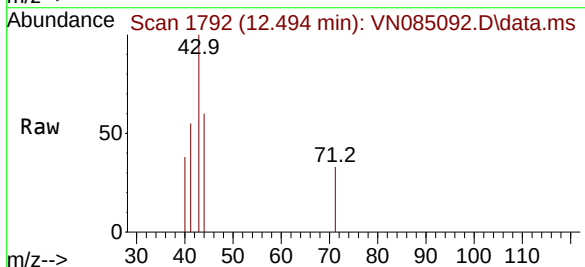
Instrument :
MSVOA_N
ClientSampleId :



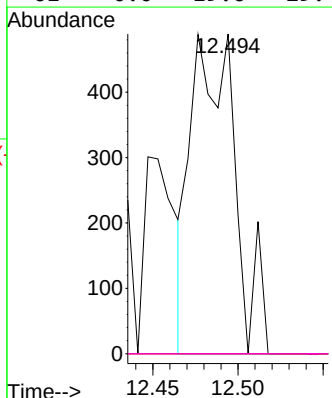
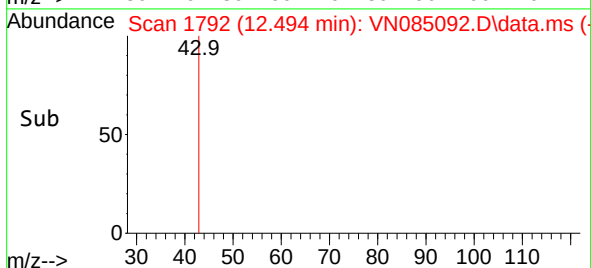
Tgt Ion:152 Resp: 95200
Ion Ratio Lower Upper
152 100
115 62.0 31.7 95.1
150 158.2 0.0 351.4

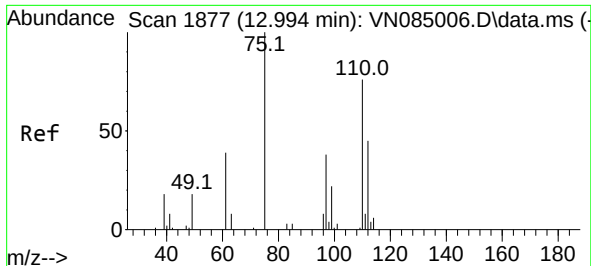


#74
N-ethyl acetate
Concen: 0.314 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VN085092.D
Acq: 04 Dec 2024 14:25



Tgt Ion: 43 Resp: 869
Ion Ratio Lower Upper
43 100
70 0.0 34.6 51.8#
55 0.0 20.5 30.7#
61 0.0 19.6 29.4#

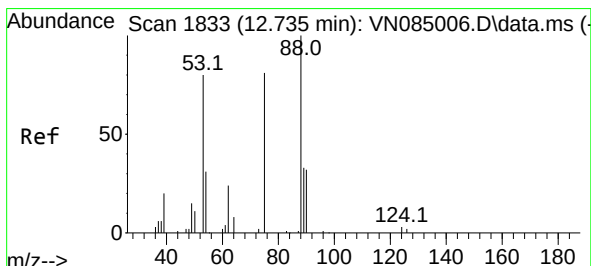
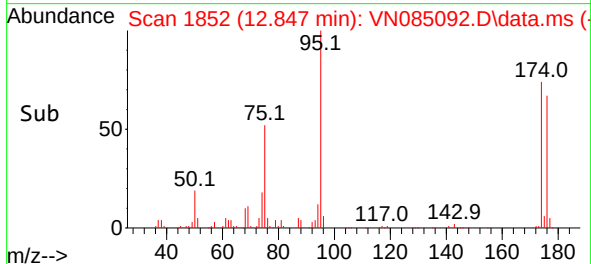
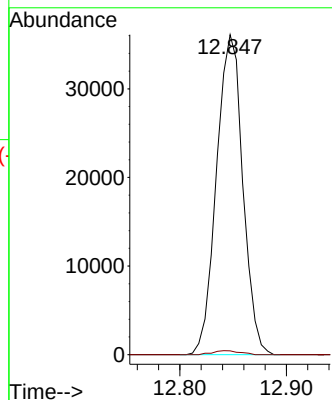
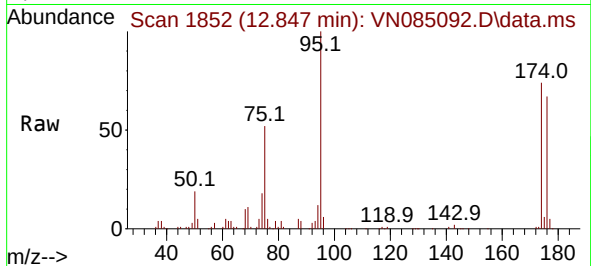




#76
1,2,3-Trichloropropane
Concen: 35.721 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN085092.D
Acq: 04 Dec 2024 14:25

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 61855
Ion Ratio Lower Upper
75 100
77 1.3 109.1 327.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 78.857 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN085092.D
Acq: 04 Dec 2024 14:25

Tgt Ion: 75 Resp: 61855
Ion Ratio Lower Upper
75 100
53 0.1 78.2 117.4#
89 0.0 37.9 56.9#

