

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030625\
 Data File : VN085905.D
 Acq On : 06 Mar 2025 17:54
 Operator : JC\MD
 Sample : PB166989ZHE#07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB166989ZHE#07

Quant Time: Mar 07 00:42:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:43:32 2025
 Response via : Initial Calibration

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

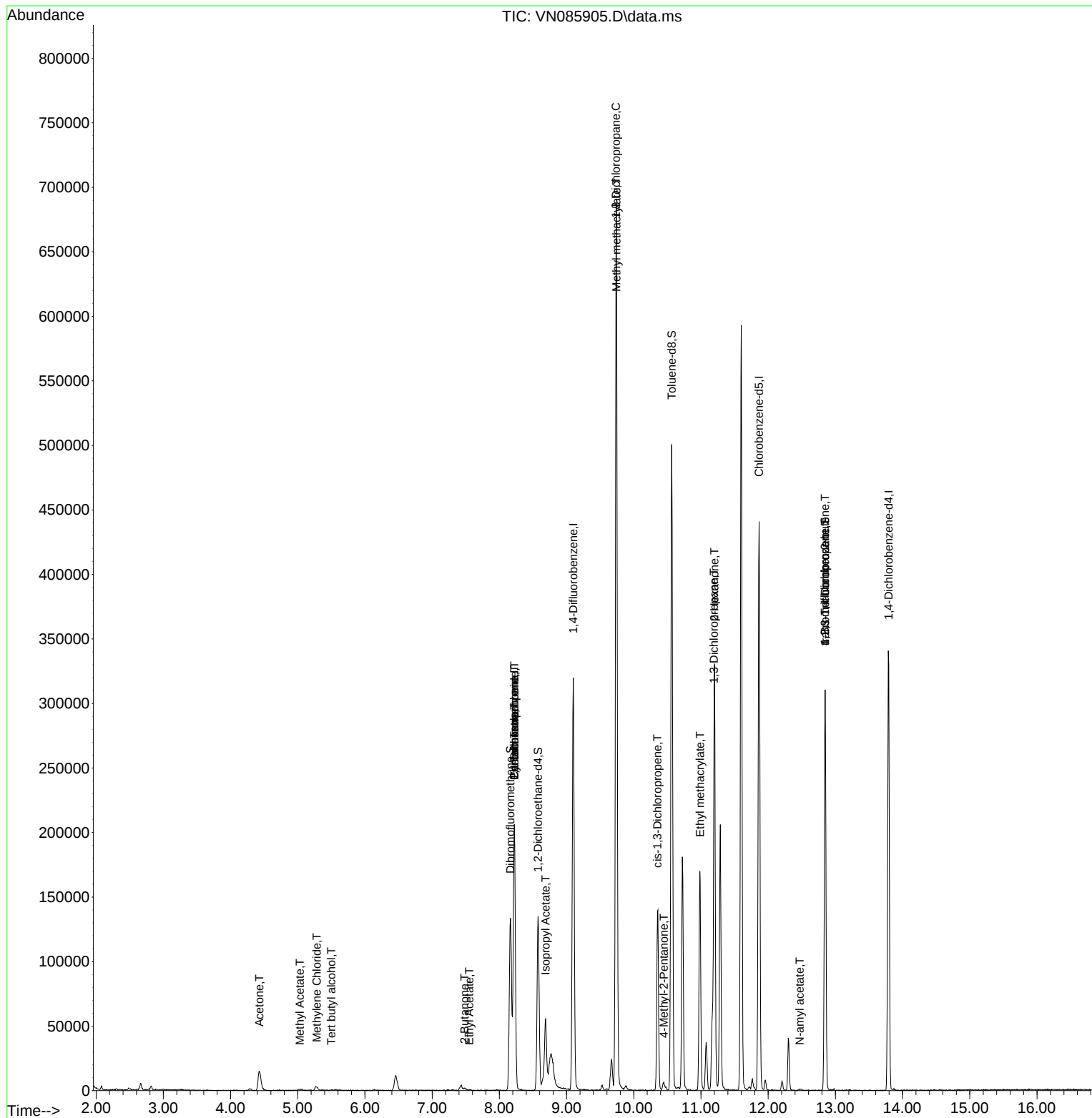
Internal Standards						
1) Pentafluorobenzene	8.224	168	149513	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	276813	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	268016	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	100013	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	111725	57.638	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 115.280%			
35) Dibromofluoromethane	8.165	113	97109	53.612	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.220%			
50) Toluene-d8	10.565	98	356745	54.133	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 108.260%			
62) 4-Bromofluorobenzene	12.847	95	105618	48.642	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 97.280%			
Target Compounds						Qvalue
11) Tert butyl alcohol	5.500	59	205	0.860	ug/l #	72
16) Acetone	4.430	43	28201	45.979	ug/l	91
18) Methyl Acetate	5.030	43	1346	0.638	ug/l #	76
20) Methylene Chloride	5.283	84	2534	1.285	ug/l #	66
25) 2-Butanone	7.483	43	3284	3.639	ug/l	92
31) Cyclohexane	8.224	56	3018	1.090	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	11123	4.339	ug/l #	51
37) Ethyl Acetate	7.553	43	724	0.343	ug/l #	66
38) Carbon Tetrachloride	8.224	117	16415	5.389	ug/l #	17
43) Isopropyl Acetate	8.688	43	63272	16.726	ug/l #	86
45) 1,2-Dichloropropane	9.735	63	792	0.399	ug/l #	43
48) Methyl methacrylate	9.741	41	60197	38.422	ug/l #	37
51) 4-Methyl-2-Pentanone	10.447	43	6358	3.126	ug/l #	72
54) cis-1,3-Dichloropropene	10.353	75	27030	8.907	ug/l #	63
56) Ethyl methacrylate	10.988	69	1346	1.005	ug/l #	1
57) 1,3-Dichloropropane	11.194	76	3970	1.242	ug/l #	42
59) 2-Hexanone	11.200	43	41299	29.515	ug/l #	53
74) N-amyl acetate	12.470	43	1068	0.442	ug/l #	37
76) 1,2,3-Trichloropropane	12.847	75	53395	24.034	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	53395	70.126	ug/l #	12

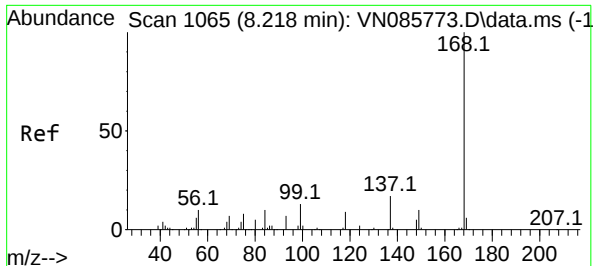
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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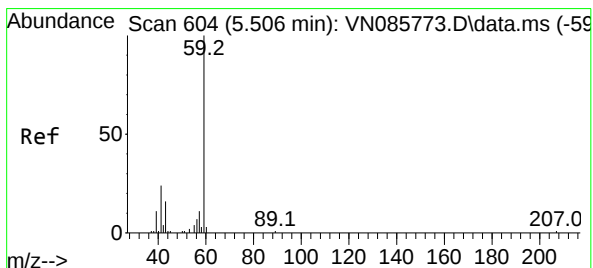
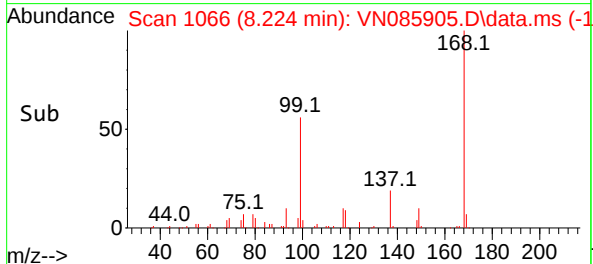
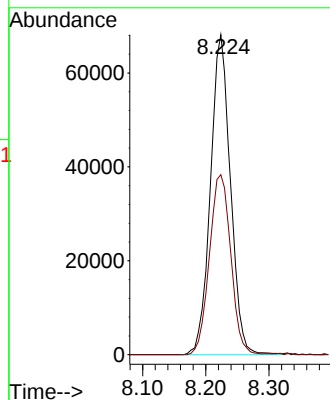
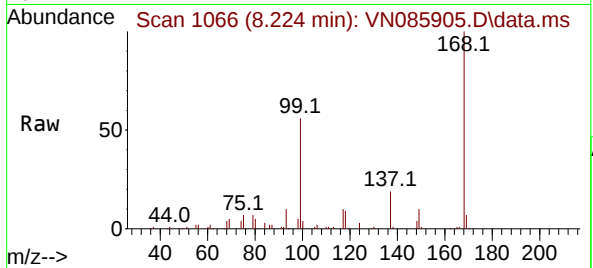




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085905.D
Acq: 06 Mar 2025 17:54

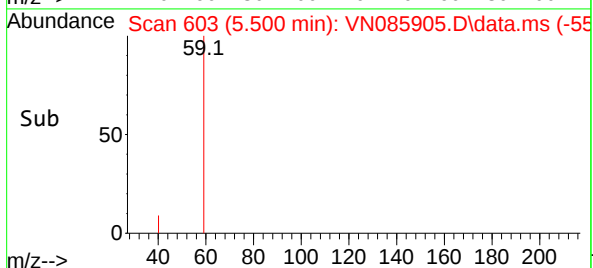
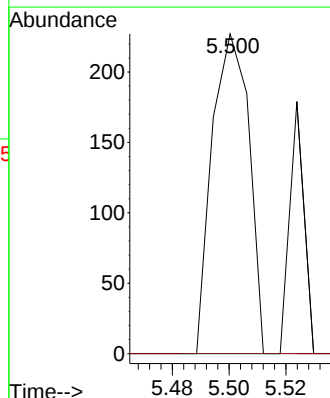
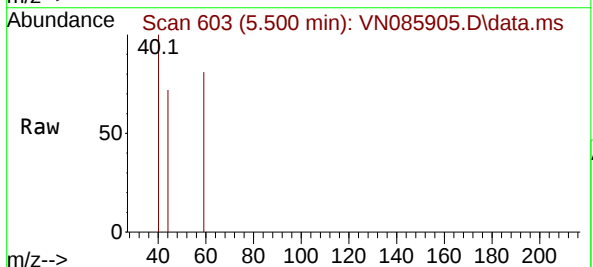
Instrument :
MSVOA_N
ClientSampleId :
PB166989ZHE#07

Tgt Ion:168 Resp: 149513
Ion Ratio Lower Upper
168 100
99 56.3 47.9 71.9



#11
Tert butyl alcohol
Concen: 0.860 ug/l
RT: 5.500 min Scan# 603
Delta R.T. -0.006 min
Lab File: VN085905.D
Acq: 06 Mar 2025 17:54

Tgt Ion: 59 Resp: 205
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

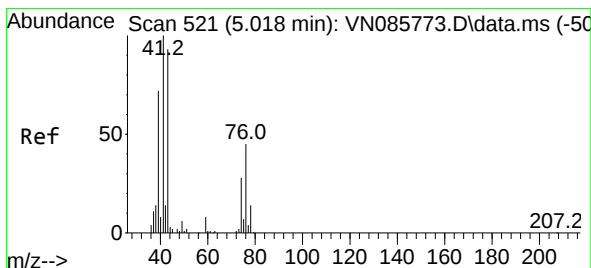
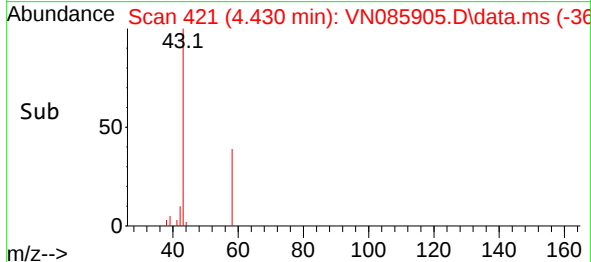
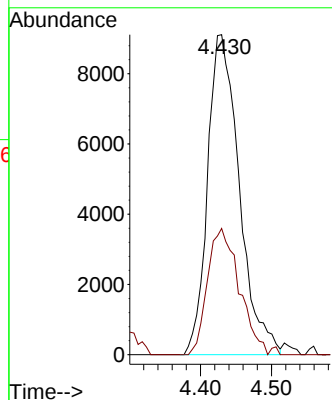
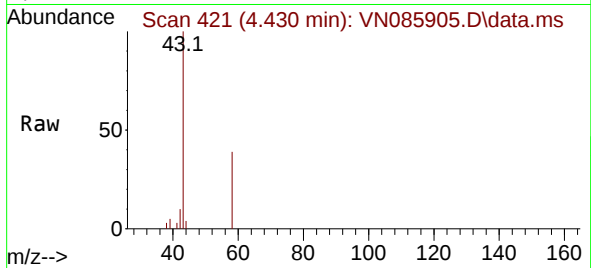




#16
Acetone
Concen: 45.979 ug/l
RT: 4.430 min Scan# 419
Delta R.T. 0.012 min
Lab File: VN085905.D
Acq: 06 Mar 2025 17:54

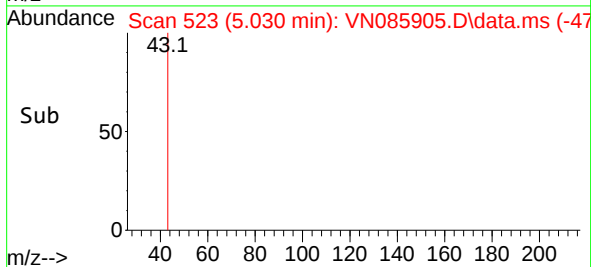
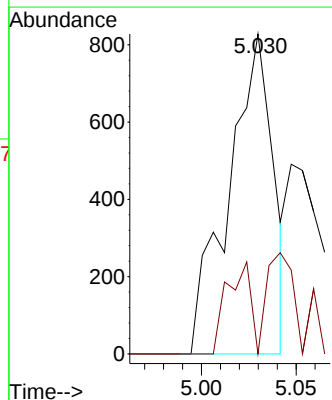
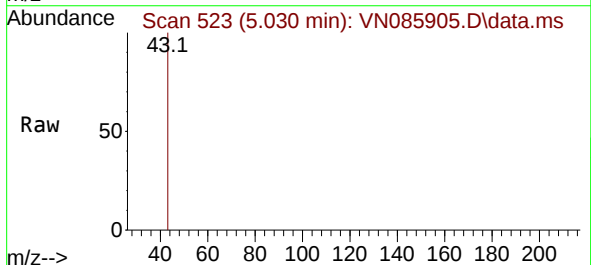
Instrument :
MSVOA_N
ClientSampleId :
PB166989ZHE#07

Tgt Ion: 43 Resp: 28201
Ion Ratio Lower Upper
43 100
58 39.5 27.5 41.3



#18
Methyl Acetate
Concen: 0.638 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN085905.D
Acq: 06 Mar 2025 17:54

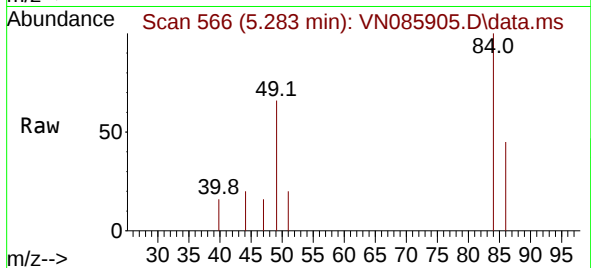
Tgt Ion: 43 Resp: 1346
Ion Ratio Lower Upper
43 100
74 15.5 22.2 33.4#



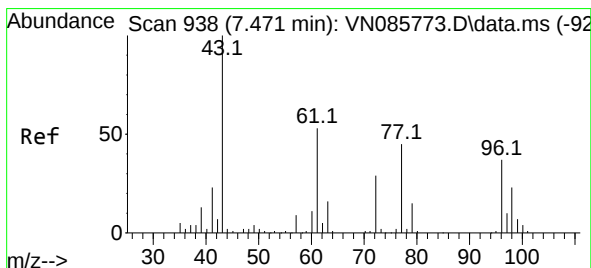
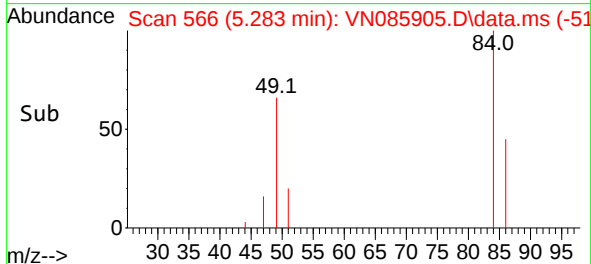
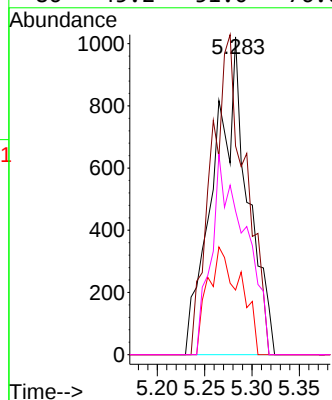


#20
Methylene Chloride
Concen: 1.285 ug/l
RT: 5.283 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN085905.D
Acq: 06 Mar 2025 17:54

Instrument :
MSVOA_N
ClientSampleId :
PB166989ZHE#07

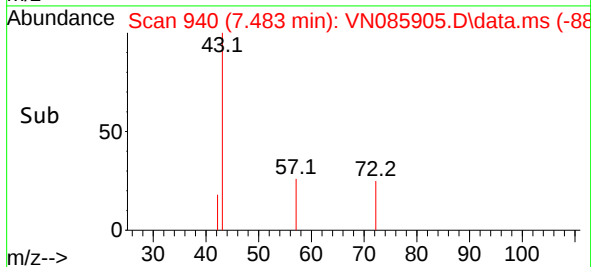
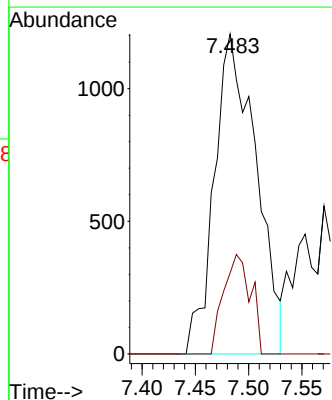
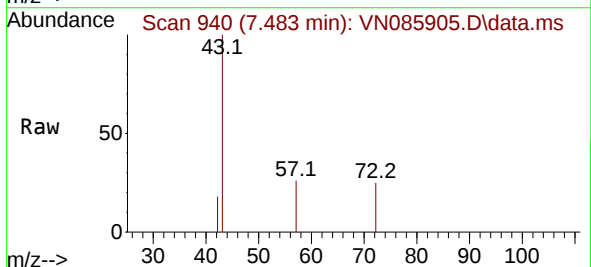


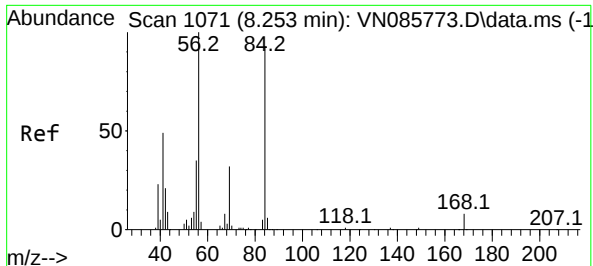
Tgt Ion:	84	Resp:	2534
Ion	Ratio	Lower	Upper
84	100		
49	65.7	88.4	132.6#
51	20.4	26.6	40.0#
86	45.2	51.0	76.6#



#25
2-Butanone
Concen: 3.639 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.012 min
Lab File: VN085905.D
Acq: 06 Mar 2025 17:54

Tgt Ion:	43	Resp:	3284
Ion	Ratio	Lower	Upper
43	100		
72	25.3	23.6	35.4





#31

Cyclohexane

Concen: 1.090 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.029 min

Lab File: VN085905.D

Acq: 06 Mar 2025 17:54

Instrument :

MSVOA_N

ClientSampleId :

PB166989ZHE#07

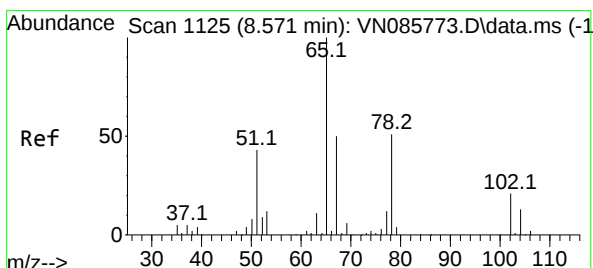
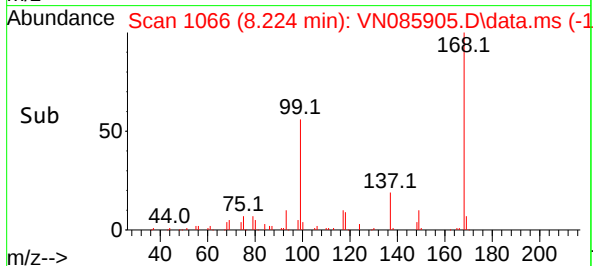
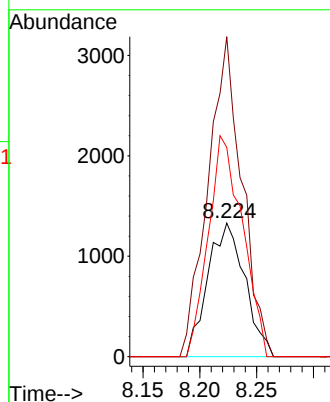
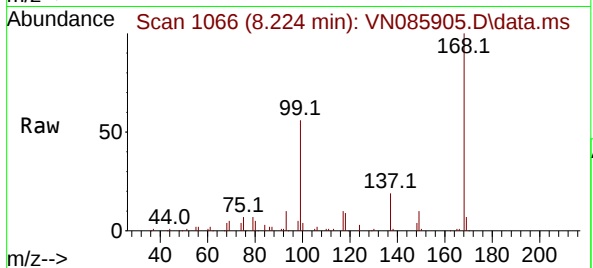
Tgt Ion: 56 Resp: 3018

Ion Ratio Lower Upper

56 100

69 239.4 25.8 38.6#

84 156.6 74.5 111.7#



#33

1,2-Dichloroethane-d4

Concen: 57.638 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VN085905.D

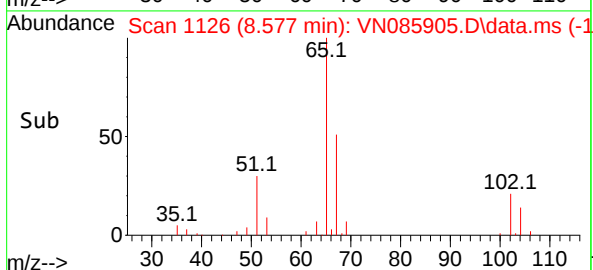
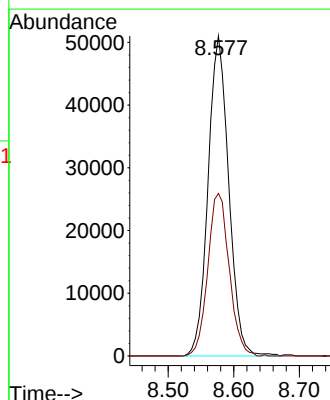
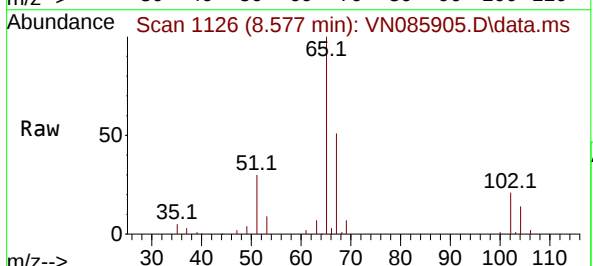
Acq: 06 Mar 2025 17:54

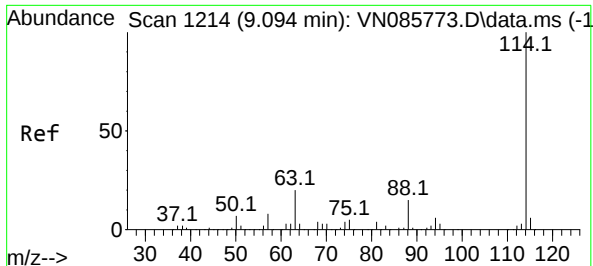
Tgt Ion: 65 Resp: 111725

Ion Ratio Lower Upper

65 100

67 52.6 0.0 106.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN085905.D

Acq: 06 Mar 2025 17:54

Instrument :

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PB166989ZHE#07

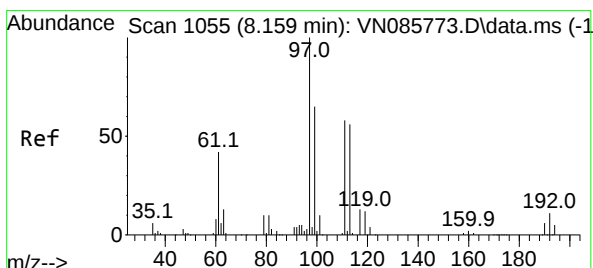
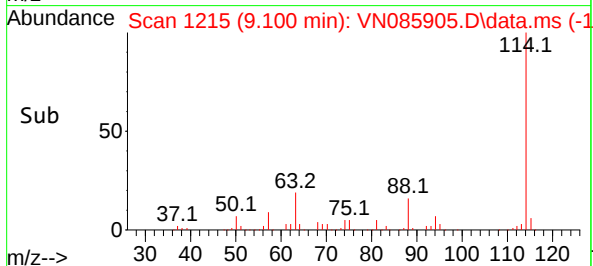
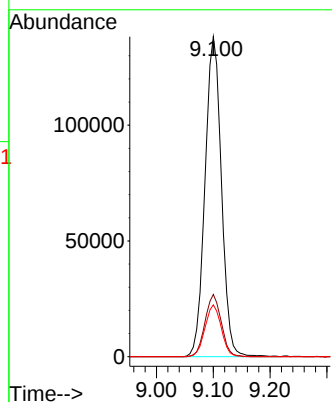
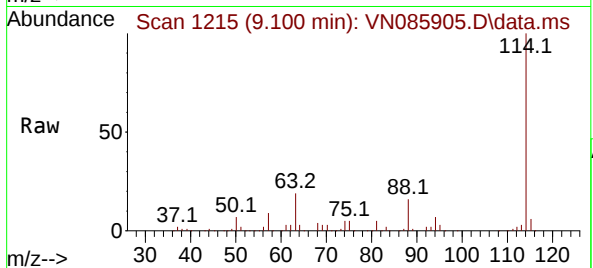
Tgt Ion:114 Resp: 276813

Ion Ratio Lower Upper

114 100

63 19.4 0.0 39.2

88 16.2 0.0 30.0



#35

Dibromofluoromethane

Concen: 53.612 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085905.D

Acq: 06 Mar 2025 17:54

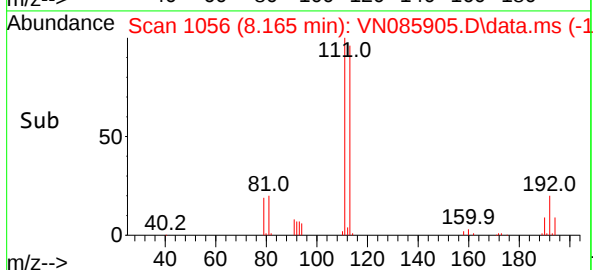
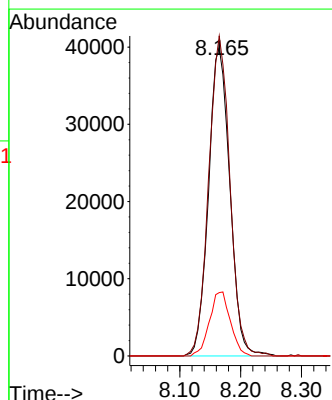
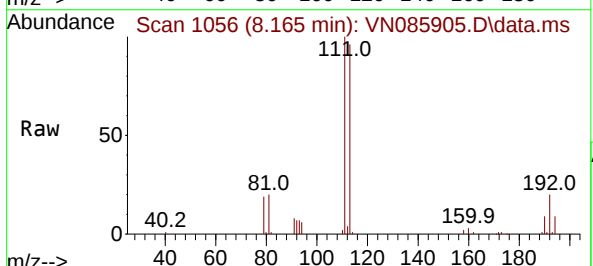
Tgt Ion:113 Resp: 97109

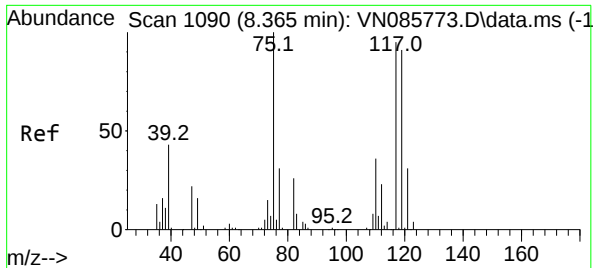
Ion Ratio Lower Upper

113 100

111 103.3 82.2 123.4

192 20.3 14.7 22.1





#36

1,1-Dichloropropene

Concen: 4.339 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN085905.D

Acq: 06 Mar 2025 17:54

Instrument :

MSVOA_N

ClientSampleId :

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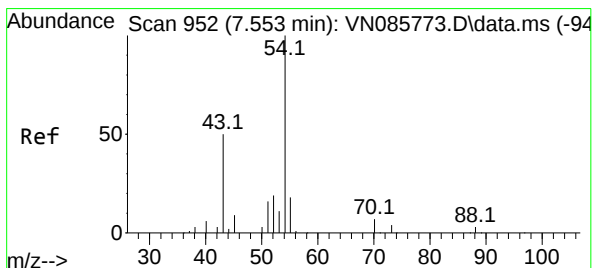
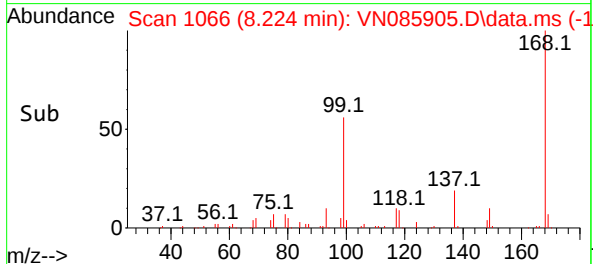
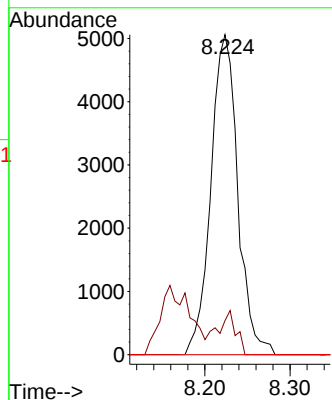
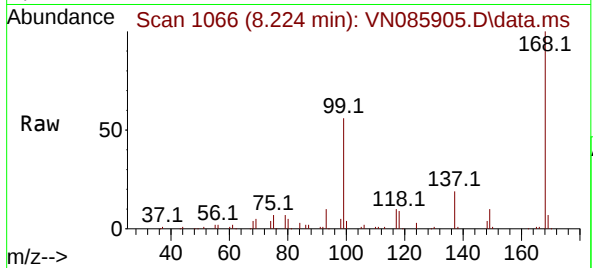
Tgt Ion: 75 Resp: 11123

Ion Ratio Lower Upper

75 100

110 9.6 17.3 52.0#

77 0.0 24.6 37.0#



#37

Ethyl Acetate

Concen: 0.343 ug/l

RT: 7.553 min Scan# 952

Delta R.T. -0.000 min

Lab File: VN085905.D

Acq: 06 Mar 2025 17:54

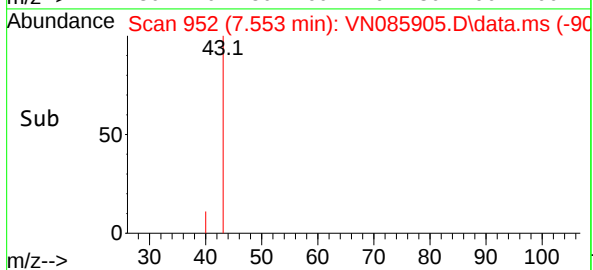
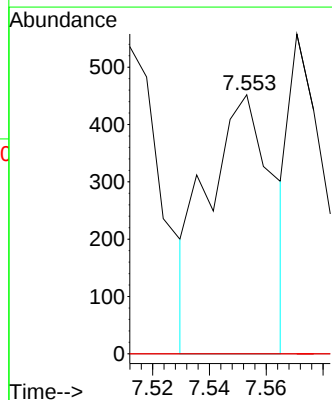
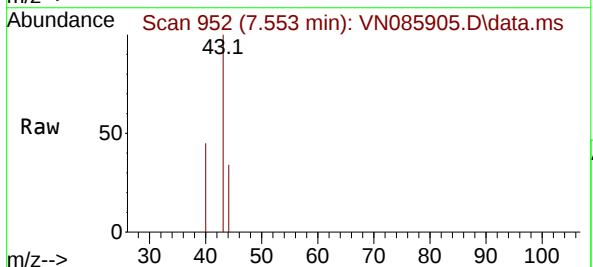
Tgt Ion: 43 Resp: 724

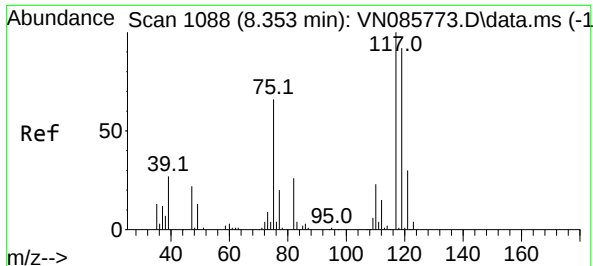
Ion Ratio Lower Upper

43 100

61 0.0 12.2 18.2#

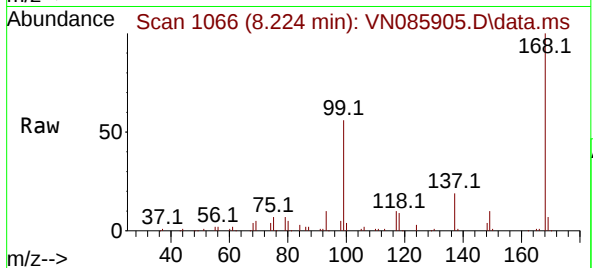
70 0.0 9.5 14.3#



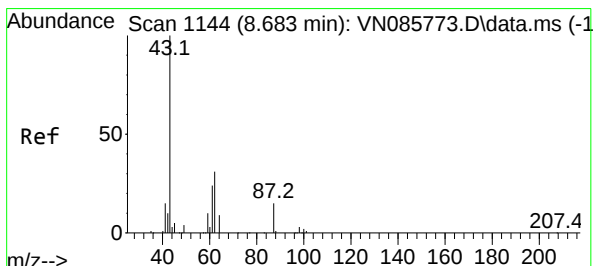
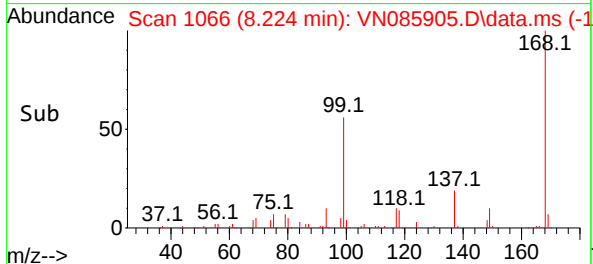
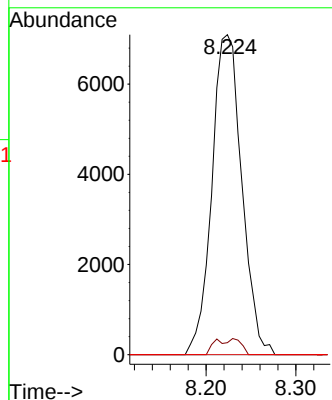


#38
Carbon Tetrachloride
Concen: 5.389 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.129 min
Lab File: VN085905.D
Acq: 06 Mar 2025 17:54

Instrument :
MSVOA_N
ClientSampleId :
PB166989ZHE#07

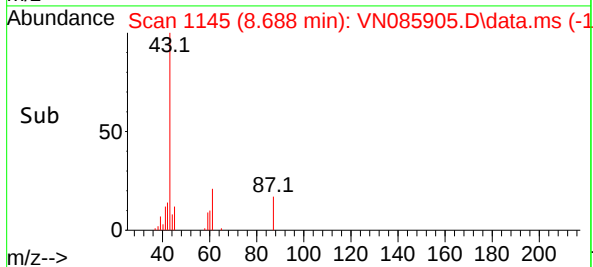
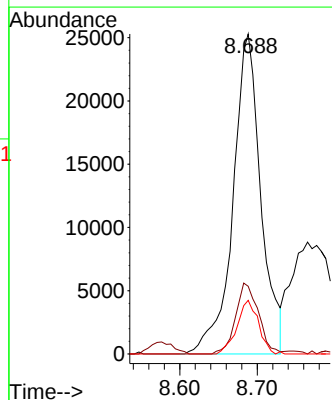
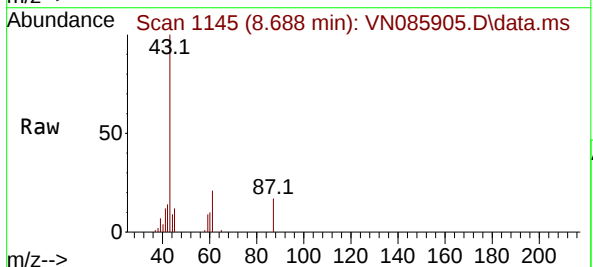


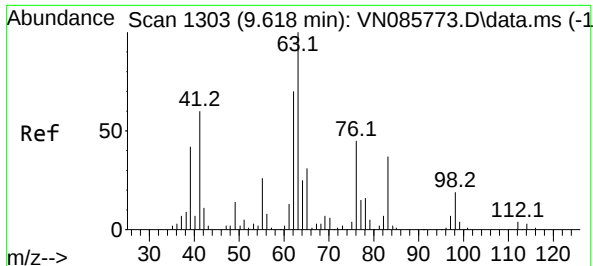
Tgt Ion:117 Resp: 16415
Ion Ratio Lower Upper
117 100
119 3.7 73.8 110.6#
121 0.0 24.3 36.5#



#43
Isopropyl Acetate
Concen: 16.726 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.005 min
Lab File: VN085905.D
Acq: 06 Mar 2025 17:54

Tgt Ion: 43 Resp: 63272
Ion Ratio Lower Upper
43 100
61 18.2 22.6 34.0#
87 12.9 11.8 17.8





#45

1,2-Dichloropropane

Concen: 0.399 ug/l

RT: 9.735 min Scan# 11

Delta R.T. 0.118 min

Lab File: VN085905.D

Acq: 06 Mar 2025 17:54

Instrument :

MSVOA_N

ClientSampleId :

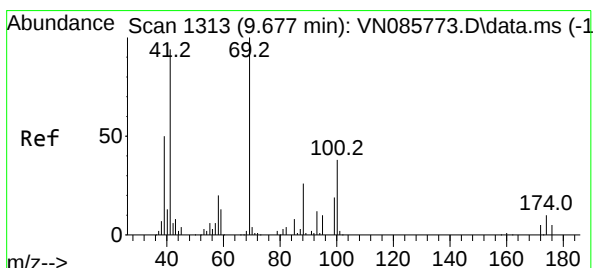
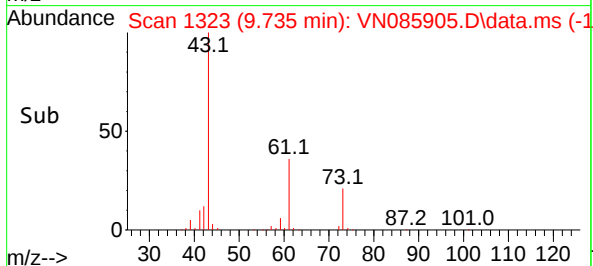
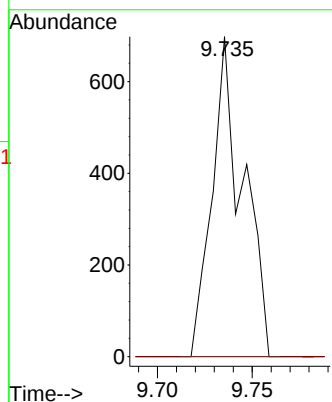
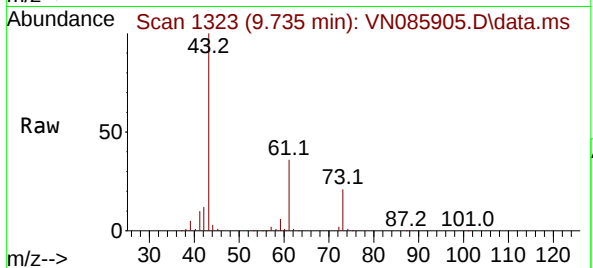
PB166989ZHE#07

Tgt Ion: 63 Resp: 792

Ion Ratio Lower Upper

63 100

65 0.0 25.1 37.7#



#48

Methyl methacrylate

Concen: 38.422 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.065 min

Lab File: VN085905.D

Acq: 06 Mar 2025 17:54

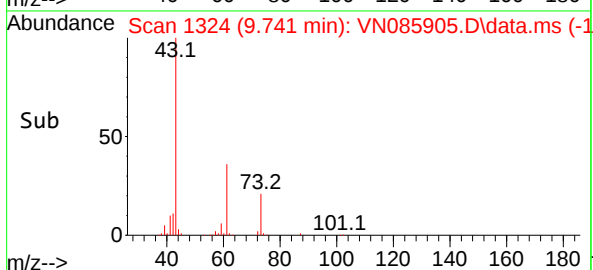
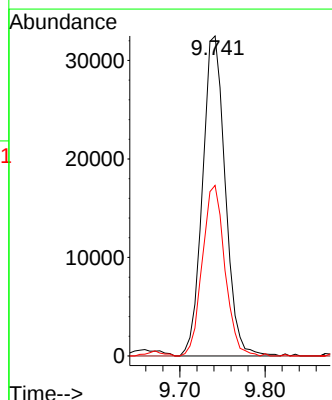
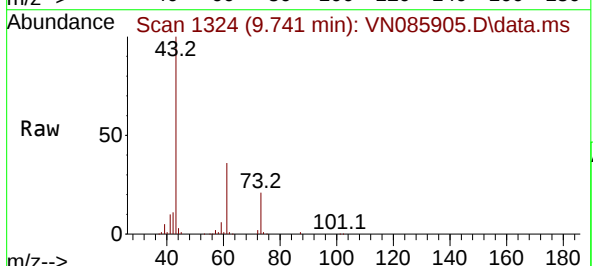
Tgt Ion: 41 Resp: 60197

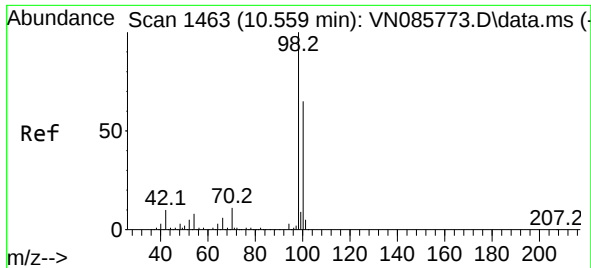
Ion Ratio Lower Upper

41 100

69 0.0 76.0 114.0#

39 53.0 42.3 63.5

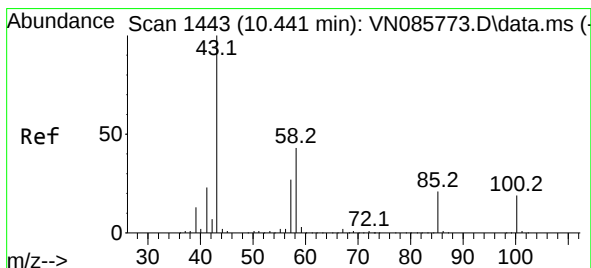
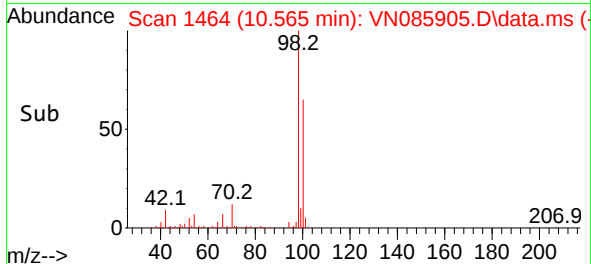
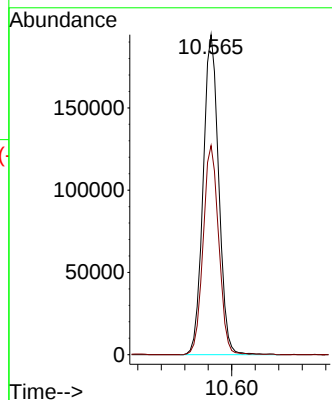
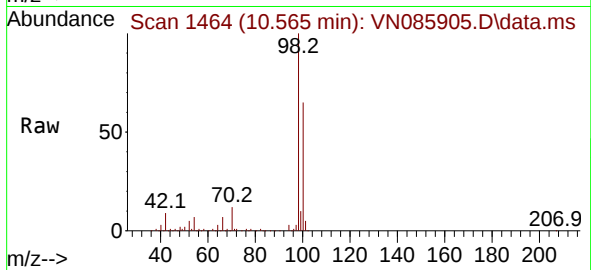




#50
Toluene-d8
Concen: 54.133 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN085905.D
Acq: 06 Mar 2025 17:54

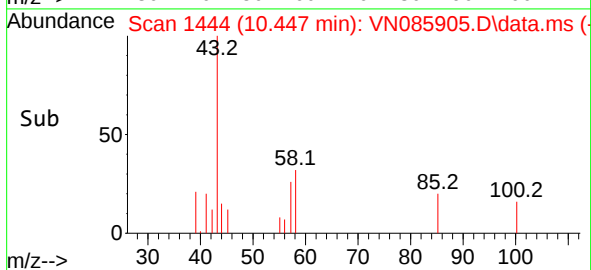
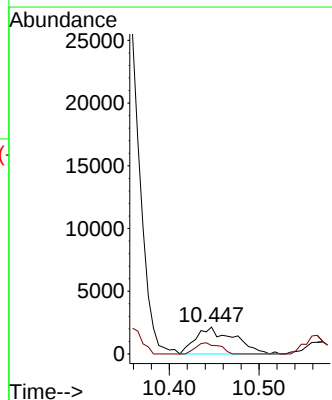
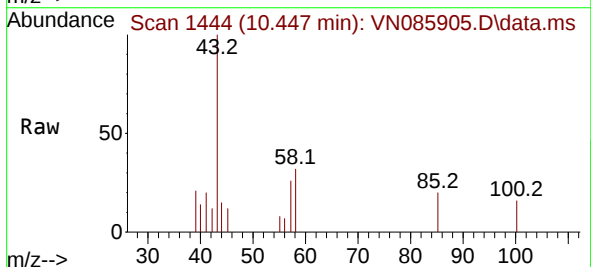
Instrument :
MSVOA_N
ClientSampleId :
PB166989ZHE#07

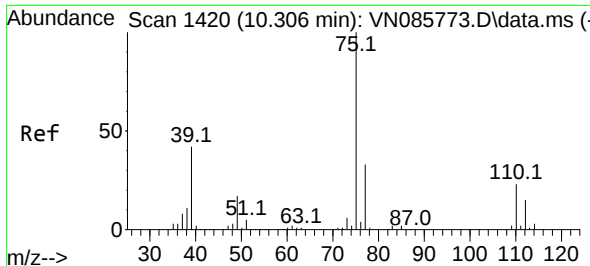
Tgt Ion: 98 Resp: 356745
Ion Ratio Lower Upper
98 100
100 65.4 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 3.126 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN085905.D
Acq: 06 Mar 2025 17:54

Tgt Ion: 43 Resp: 6358
Ion Ratio Lower Upper
43 100
58 25.5 34.6 52.0#

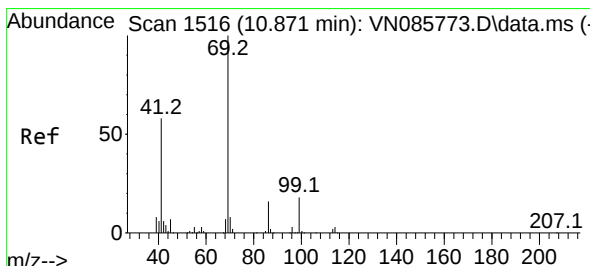
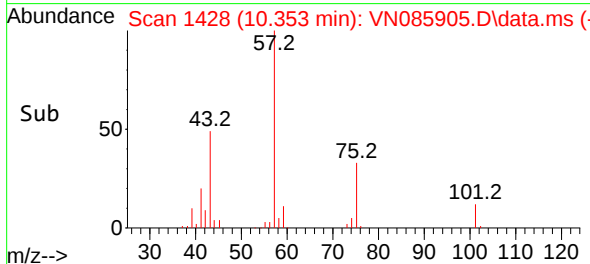
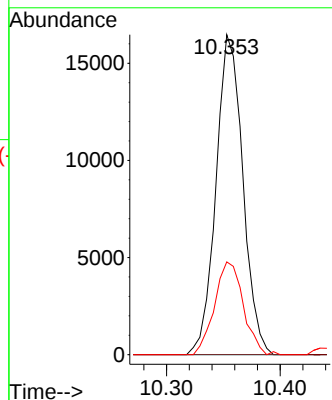
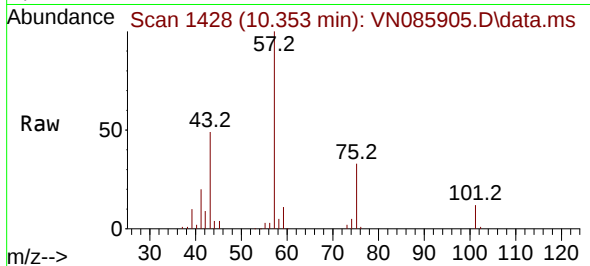




#54
 cis-1,3-Dichloropropene
 Concen: 8.907 ug/l
 RT: 10.353 min Scan# 1428
 Delta R.T. 0.047 min
 Lab File: VN085905.D
 Acq: 06 Mar 2025 17:54

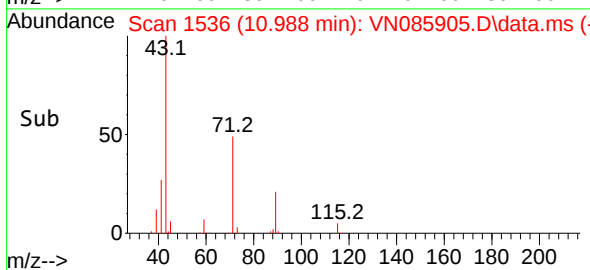
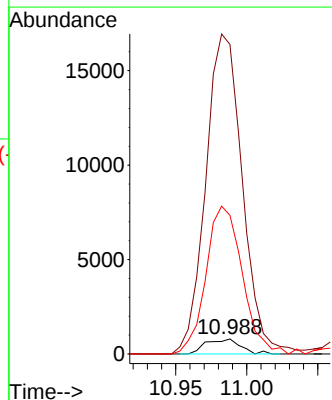
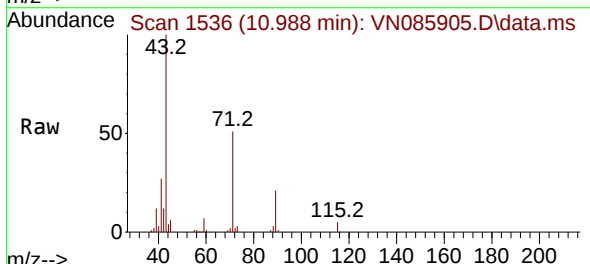
Instrument :
 MSVOA_N
 ClientSampleId :
 PB166989ZHE#07

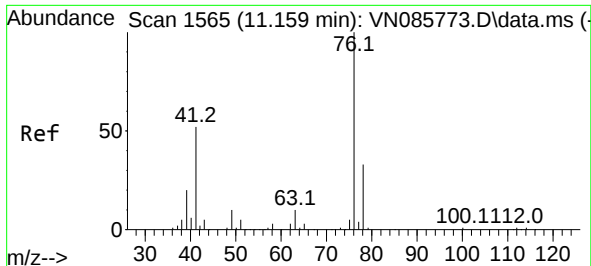
Tgt Ion: 75 Resp: 27030
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.1 39.1#
 39 29.0 33.4 50.0#



#56
 Ethyl methacrylate
 Concen: 1.005 ug/l
 RT: 10.988 min Scan# 1536
 Delta R.T. 0.117 min
 Lab File: VN085905.D
 Acq: 06 Mar 2025 17:54

Tgt Ion: 69 Resp: 1346
 Ion Ratio Lower Upper
 69 100
 41 2263.9 46.0 69.0#
 39 1031.3 22.0 33.0#





#57

1,3-Dichloropropane

Concen: 1.242 ug/l

RT: 11.194 min Scan# 1571

Delta R.T. 0.035 min

Lab File: VN085905.D

Acq: 06 Mar 2025 17:54

Instrument :

MSVOA_N

ClientSampleId :

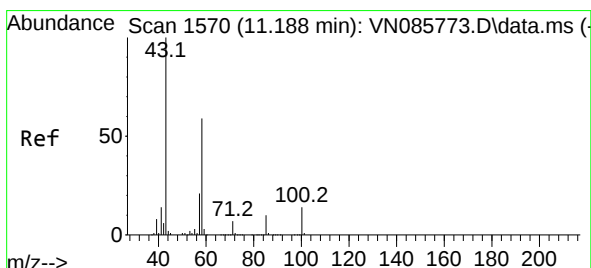
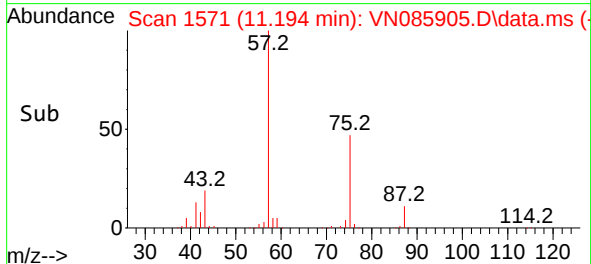
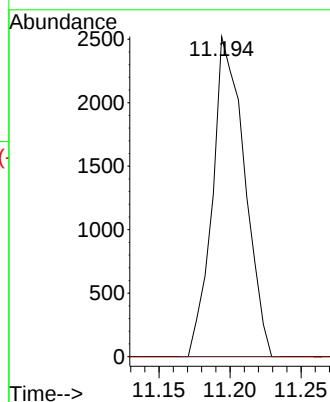
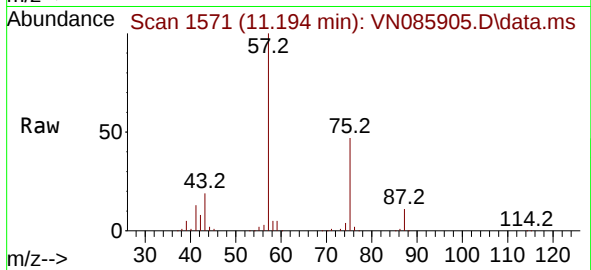
PB166989ZHE#07

Tgt Ion: 76 Resp: 3970

Ion Ratio Lower Upper

76 100

78 0.0 25.9 38.9#



#59

2-Hexanone

Concen: 29.515 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.012 min

Lab File: VN085905.D

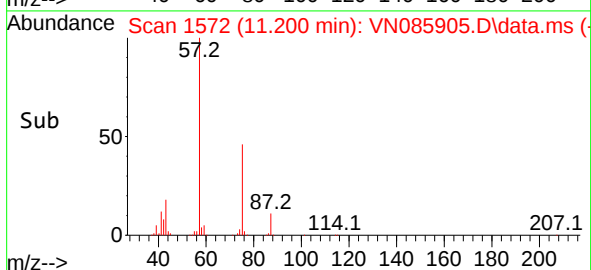
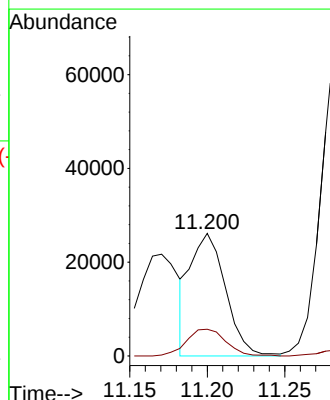
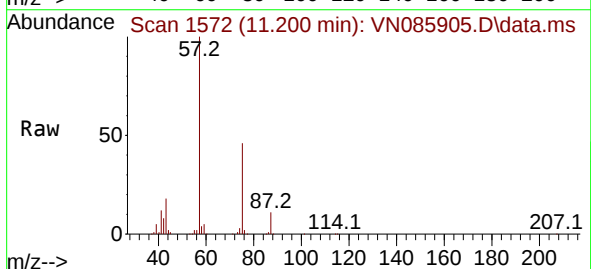
Acq: 06 Mar 2025 17:54

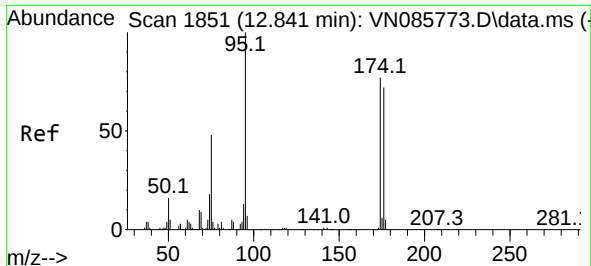
Tgt Ion: 43 Resp: 41299

Ion Ratio Lower Upper

43 100

58 24.5 29.8 89.5#

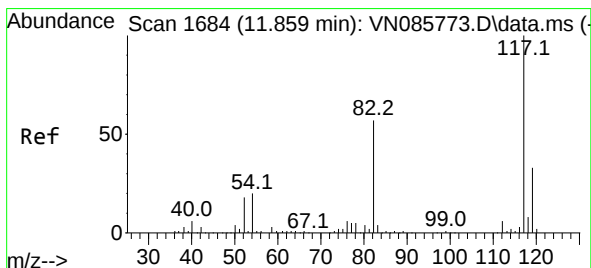
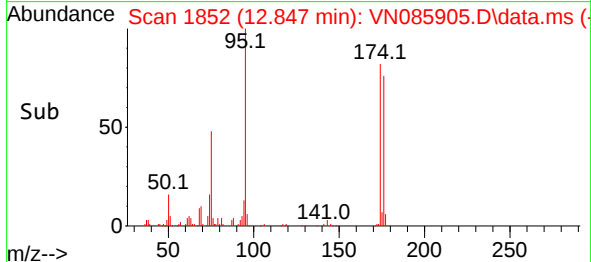
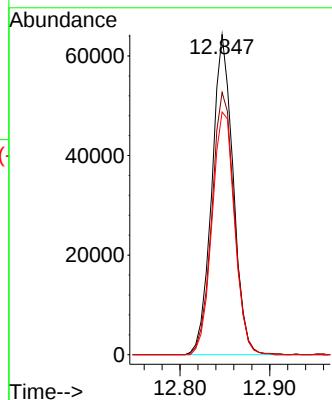
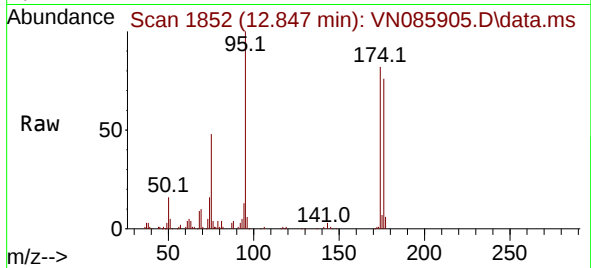




#62
4-Bromofluorobenzene
Concen: 48.642 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.006 min
Lab File: VN085905.D
Acq: 06 Mar 2025 17:54

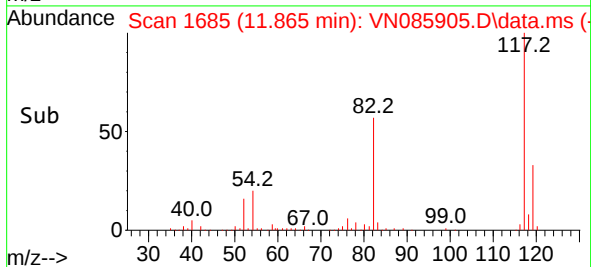
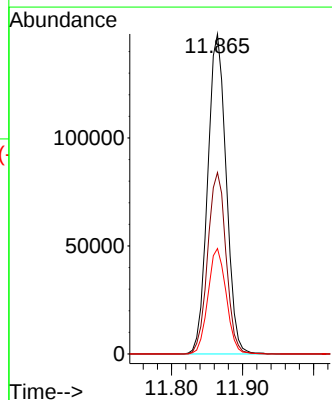
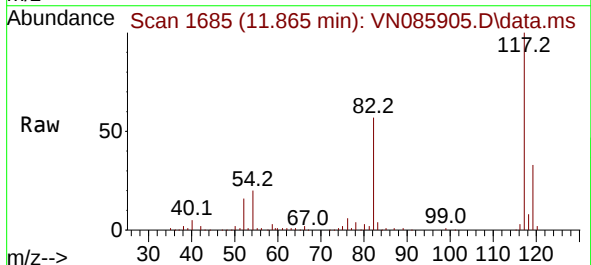
Instrument :
MSVOA_N
ClientSampleId :
PB166989ZHE#07

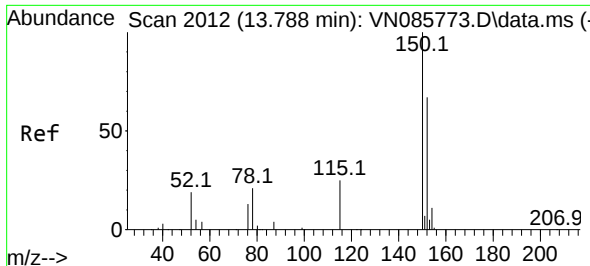
Tgt Ion: 95 Resp: 105618
Ion Ratio Lower Upper
95 100
174 86.6 0.0 152.4
176 80.6 0.0 146.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.006 min
Lab File: VN085905.D
Acq: 06 Mar 2025 17:54

Tgt Ion: 117 Resp: 268016
Ion Ratio Lower Upper
117 100
82 56.7 45.7 68.5
119 33.0 26.2 39.2

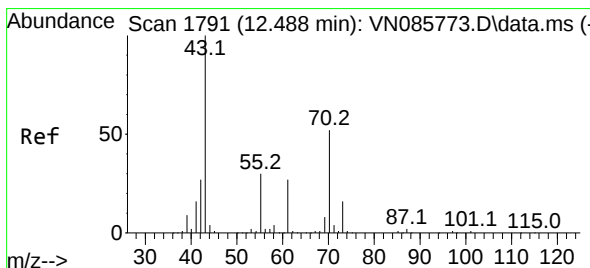
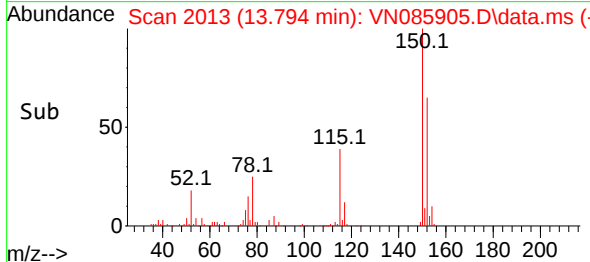
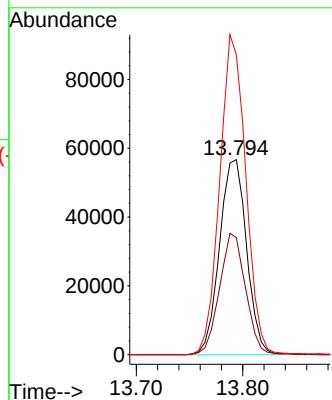
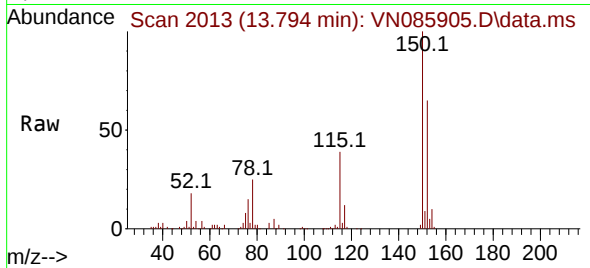




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 20
Delta R.T. 0.006 min
Lab File: VN085905.D
Acq: 06 Mar 2025 17:54

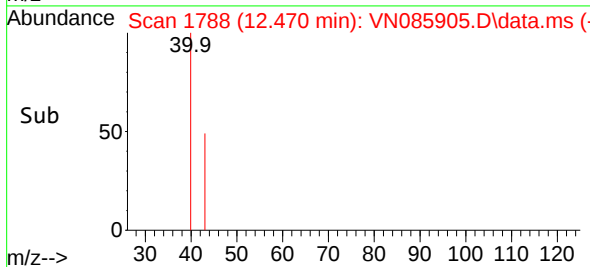
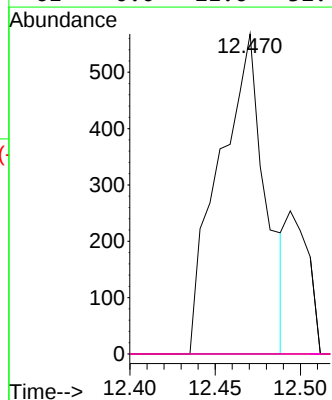
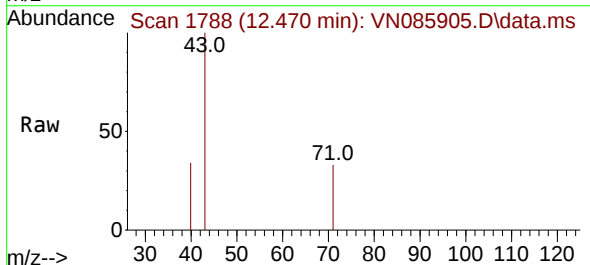
Instrument :
MSVOA_N
ClientSampleId :
PB166989ZHE#07

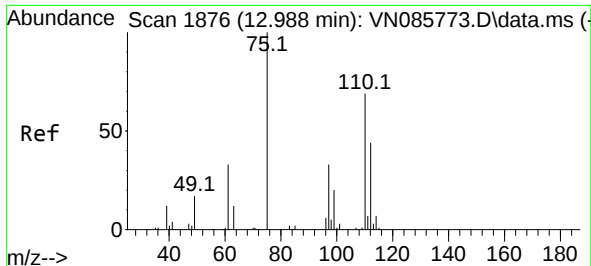
Tgt Ion:152 Resp: 100013
Ion Ratio Lower Upper
152 100
115 59.8 30.4 91.3
150 158.0 0.0 345.4



#74
N-ethyl acetate
Concen: 0.442 ug/l
RT: 12.470 min Scan# 1788
Delta R.T. -0.018 min
Lab File: VN085905.D
Acq: 06 Mar 2025 17:54

Tgt Ion: 43 Resp: 1068
Ion Ratio Lower Upper
43 100
70 0.0 41.0 61.4#
55 0.0 24.6 36.8#
61 0.0 21.6 32.4#

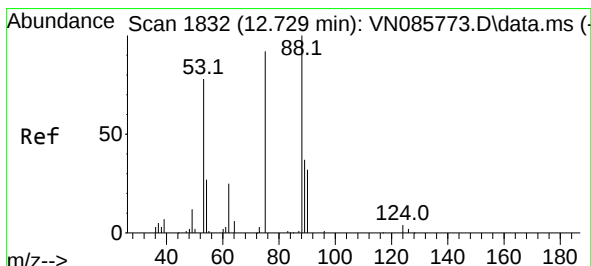
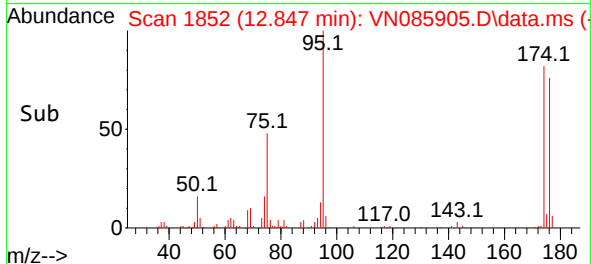
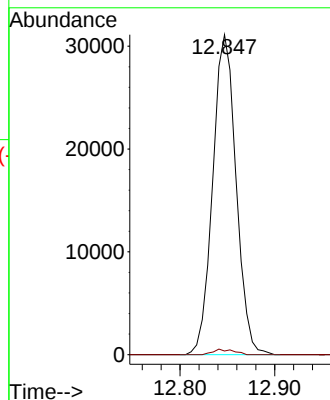
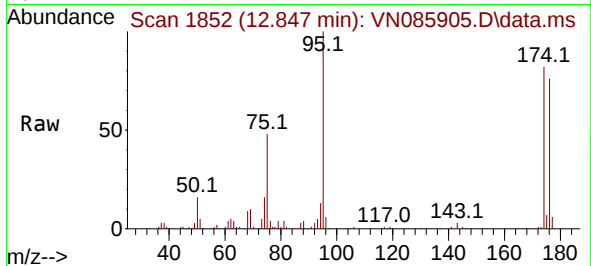




#76
1,2,3-Trichloropropane
Concen: 24.034 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN085905.D
Acq: 06 Mar 2025 17:54

Instrument :
MSVOA_N
ClientSampleId :
PB166989ZHE#07

Tgt Ion: 75 Resp: 53395
Ion Ratio Lower Upper
75 100
77 1.5 100.0 300.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 70.126 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.118 min
Lab File: VN085905.D
Acq: 06 Mar 2025 17:54

Tgt Ion: 75 Resp: 53395
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.4#
89 0.0 34.9 52.3#

