

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030625\
 Data File : VN085904.D
 Acq On : 06 Mar 2025 17:30
 Operator : JC\MD
 Sample : PB166989ZHE#06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB166989ZHE#06

Quant Time: Mar 07 00:42:05 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)

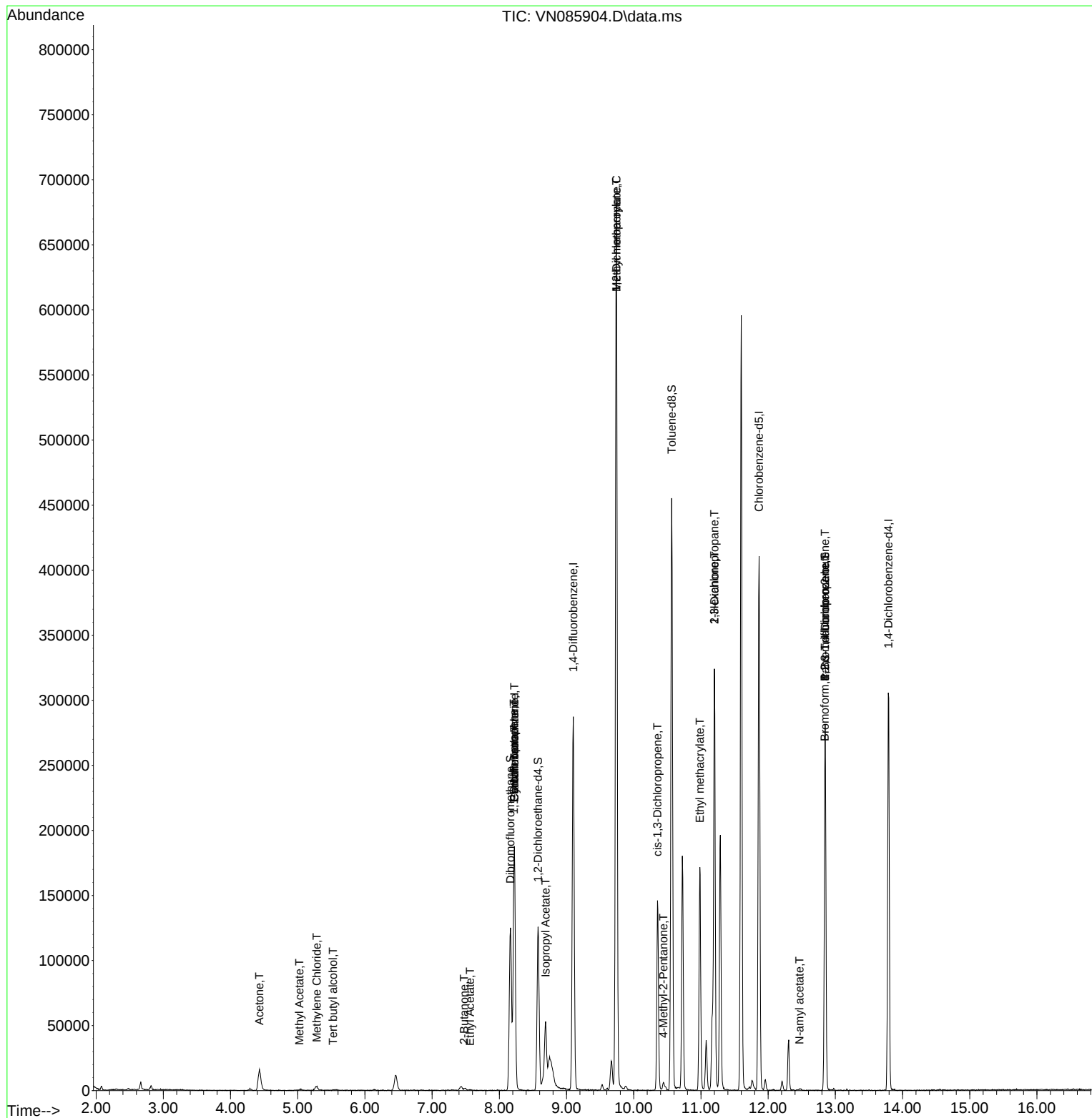
Internal Standards						
1) Pentafluorobenzene	8.224	168	138975	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	253441	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	242378	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	88927	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	103688	57.548	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	115.100%
35) Dibromofluoromethane	8.165	113	91042	54.898	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	109.800%
50) Toluene-d8	10.565	98	329192	54.558	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	109.120%
62) 4-Bromofluorobenzene	12.847	95	96517	48.550	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	97.100%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.524	59	297	1.340	ug/l #	72
16) Acetone	4.430	43	30286	53.123	ug/l	99
18) Methyl Acetate	5.024	43	756	0.386	ug/l #	79
20) Methylene Chloride	5.283	84	2767	1.509	ug/l #	78
25) 2-Butanone	7.477	43	2875	3.428	ug/l	93
31) Cyclohexane	8.224	56	2569	0.998	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	10529	4.486	ug/l #	50
37) Ethyl Acetate	7.565	43	1212	0.627	ug/l #	66
38) Carbon Tetrachloride	8.224	117	15117	5.421	ug/l #	18
43) Isopropyl Acetate	8.688	43	63688	18.444	ug/l #	86
45) 1,2-Dichloropropane	9.741	63	862	0.475	ug/l #	43
48) Methyl methacrylate	9.741	41	59100	41.200	ug/l #	37
51) 4-Methyl-2-Pentanone	10.441	43	6385	3.429	ug/l #	72
54) cis-1,3-Dichloropropene	10.353	75	27665	9.957	ug/l #	64
56) Ethyl methacrylate	10.982	69	1303	1.036	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	3589	1.226	ug/l #	42
59) 2-Hexanone	11.200	43	39307	30.682	ug/l #	52
71) Bromoform	12.841	173	664	0.448	ug/l #	27
74) N-amyl acetate	12.465	43	1129	0.526	ug/l #	40
76) 1,2,3-Trichloropropane	12.847	75	47418	24.005	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	47418	70.040	ug/l #	12

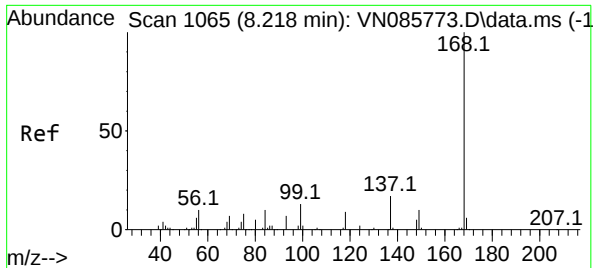
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Feb 19 03:43:32 2025
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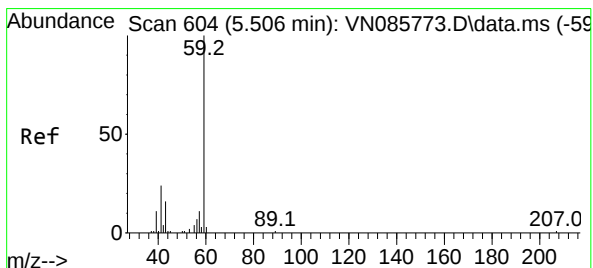
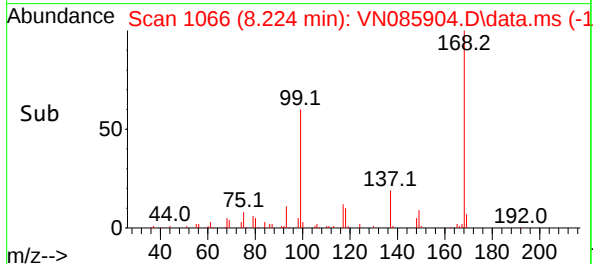
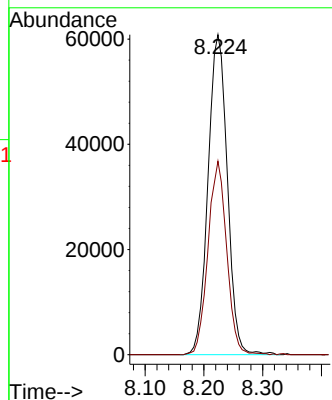
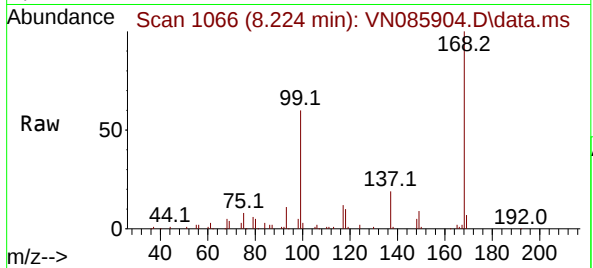




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085904.D
Acq: 06 Mar 2025 17:30

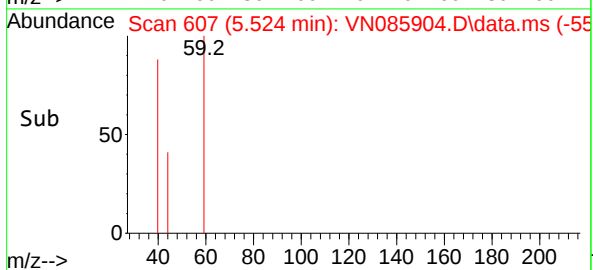
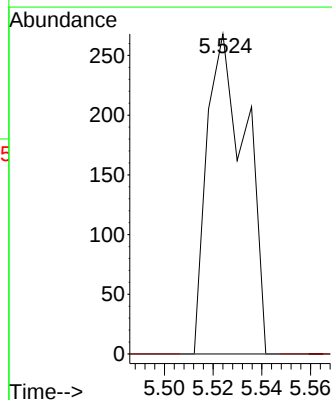
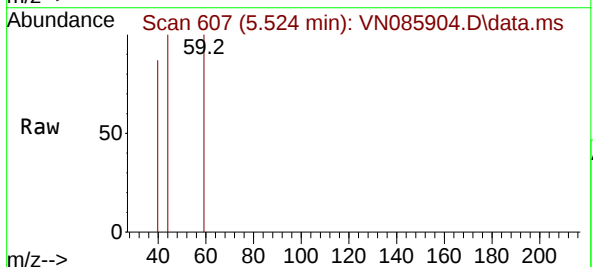
Instrument :
MSVOA_N
ClientSampleId :
PB166989ZHE#06

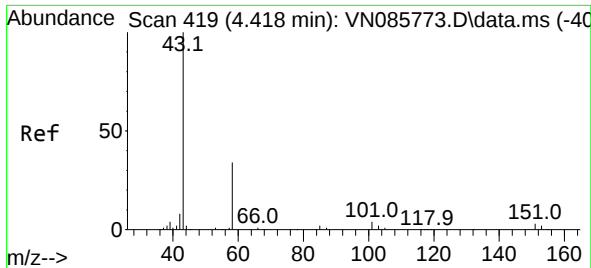
Tgt Ion:168 Resp: 138975
Ion Ratio Lower Upper
168 100
99 60.5 47.9 71.9



#11
Tert butyl alcohol
Concen: 1.340 ug/l
RT: 5.524 min Scan# 607
Delta R.T. 0.018 min
Lab File: VN085904.D
Acq: 06 Mar 2025 17:30

Tgt Ion: 59 Resp: 297
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

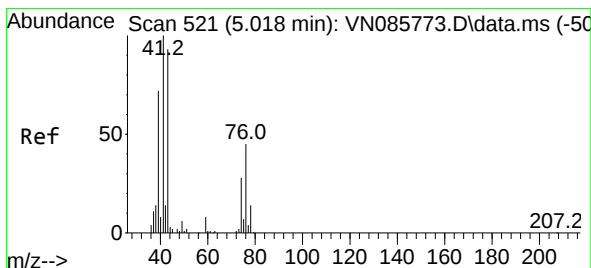
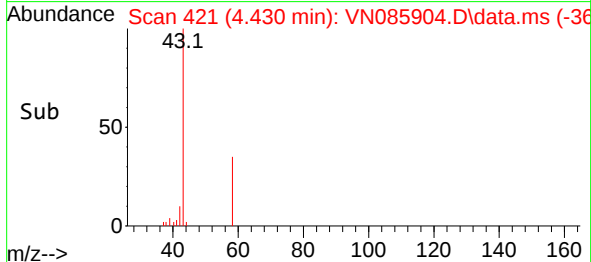
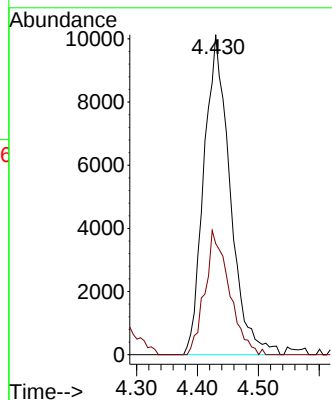
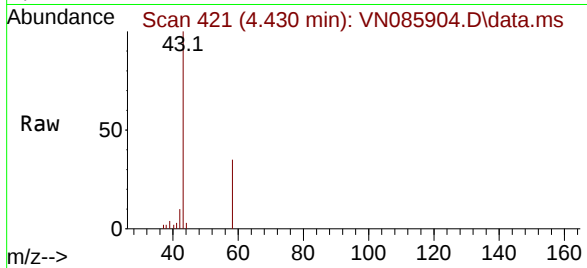




#16
Acetone
Concen: 53.123 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN085904.D
Acq: 06 Mar 2025 17:30

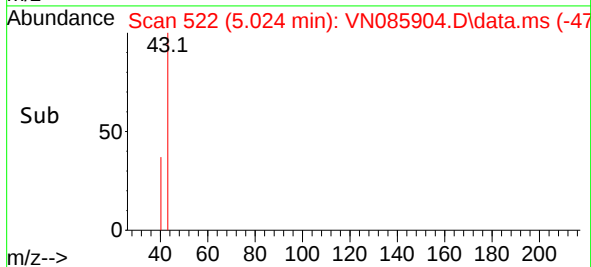
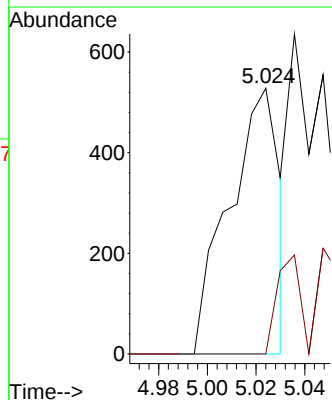
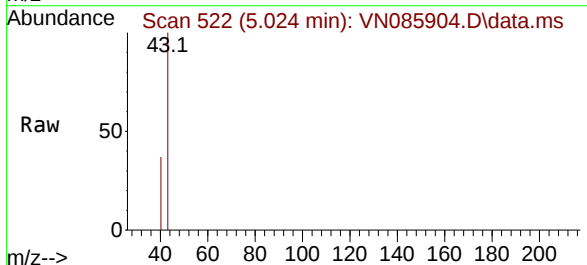
Instrument :
MSVOA_N
ClientSampleId :
PB166989ZHE#06

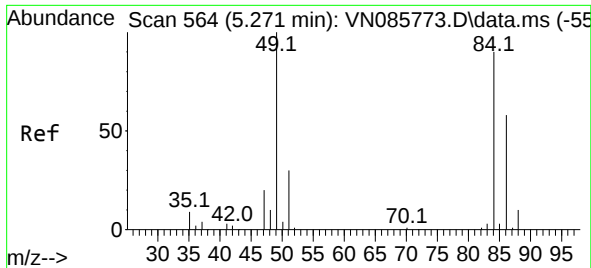
Tgt Ion: 43 Resp: 30286
Ion Ratio Lower Upper
43 100
58 34.7 27.5 41.3



#18
Methyl Acetate
Concen: 0.386 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN085904.D
Acq: 06 Mar 2025 17:30

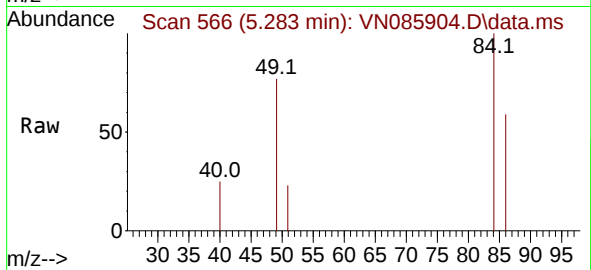
Tgt Ion: 43 Resp: 756
Ion Ratio Lower Upper
43 100
74 16.9 22.2 33.4#



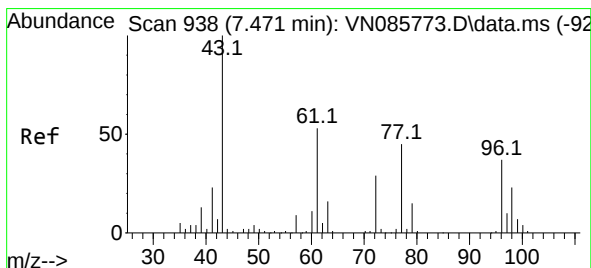
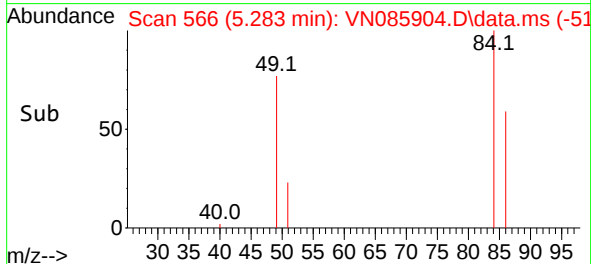
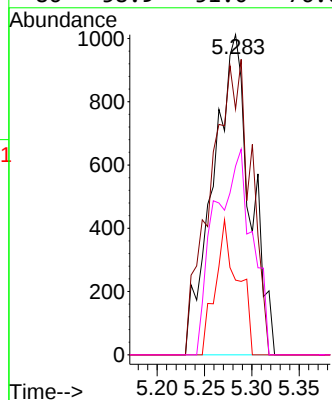


#20
Methylene Chloride
Concen: 1.509 ug/l
RT: 5.283 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN085904.D
Acq: 06 Mar 2025 17:30

Instrument :
MSVOA_N
ClientSampleId :
PB166989ZHE#06

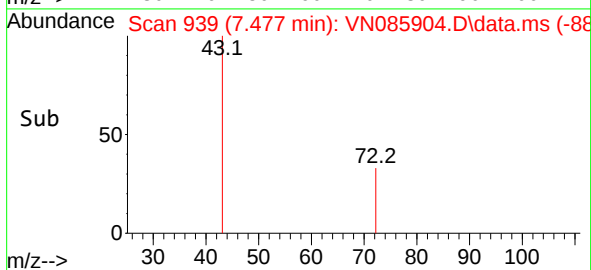
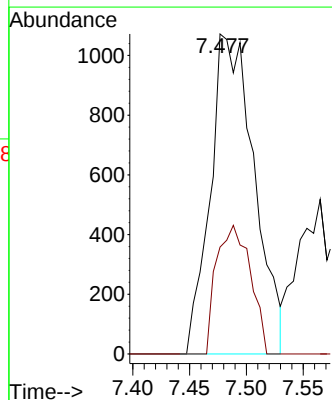
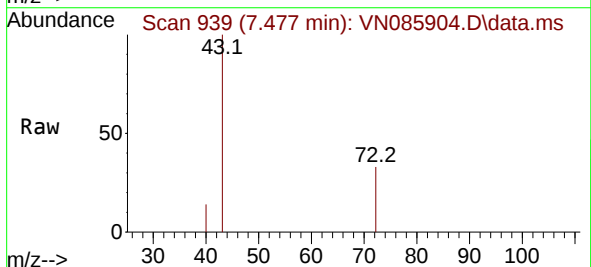


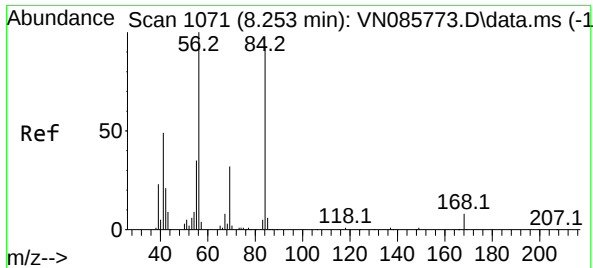
Tgt Ion:	84	Resp:	2767
Ion	Ratio	Lower	Upper
84	100		
49	76.8	88.4	132.6#
51	23.3	26.6	40.0#
86	58.9	51.0	76.6



#25
2-Butanone
Concen: 3.428 ug/l
RT: 7.477 min Scan# 939
Delta R.T. 0.006 min
Lab File: VN085904.D
Acq: 06 Mar 2025 17:30

Tgt Ion:	43	Resp:	2875
Ion	Ratio	Lower	Upper
43	100		
72	33.4	23.6	35.4

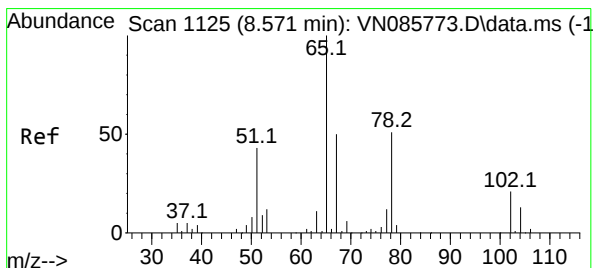
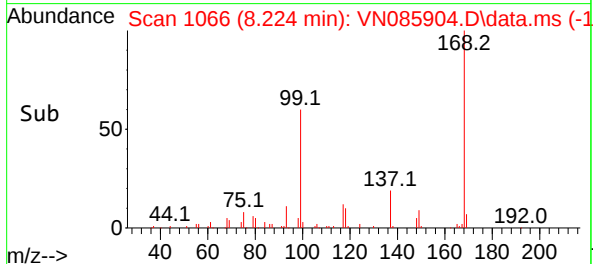
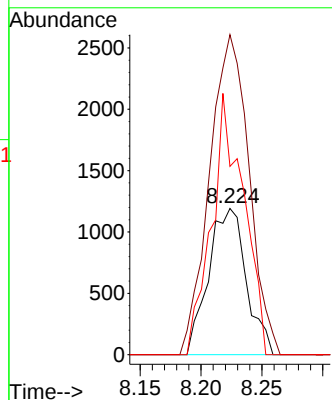
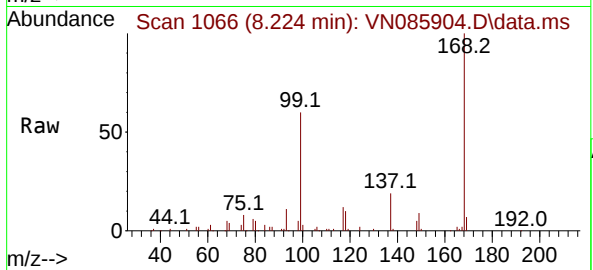




#31
Cyclohexane
Concen: 0.998 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN085904.D
Acq: 06 Mar 2025 17:30

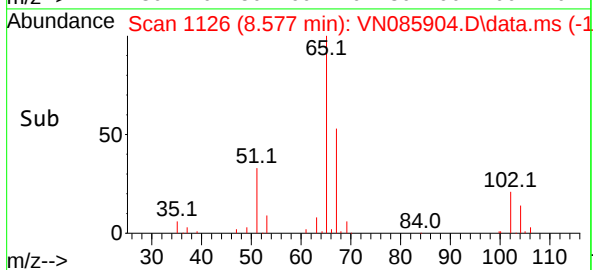
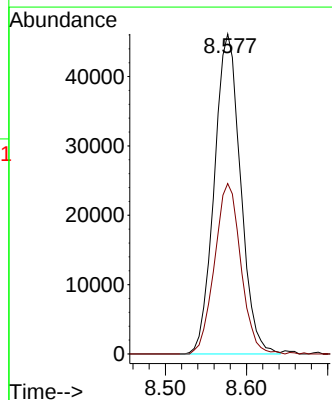
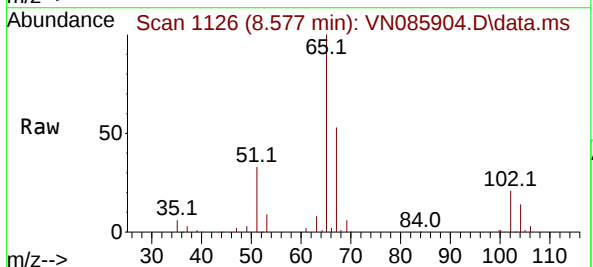
Instrument :
MSVOA_N
ClientSampleId :
PB166989ZHE#06

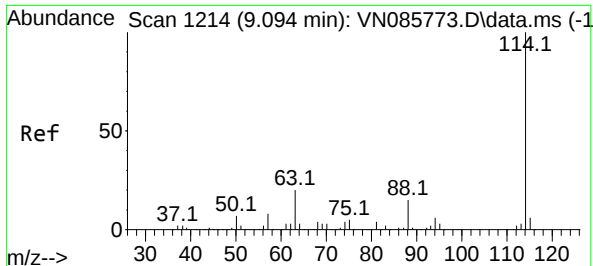
Tgt Ion: 56 Resp: 2569
Ion Ratio Lower Upper
56 100
69 218.8 25.8 38.6#
84 128.8 74.5 111.7#



#33
1,2-Dichloroethane-d4
Concen: 57.548 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085904.D
Acq: 06 Mar 2025 17:30

Tgt Ion: 65 Resp: 103688
Ion Ratio Lower Upper
65 100
67 53.3 0.0 106.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN085904.D

Acq: 06 Mar 2025 17:30

Instrument :

MSVOA_N

ClientSampleId :

PB166989ZHE#06

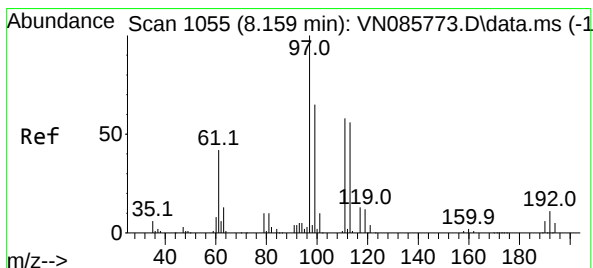
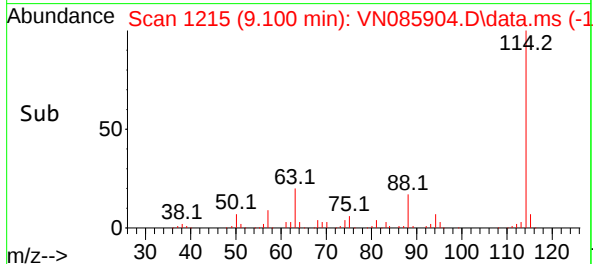
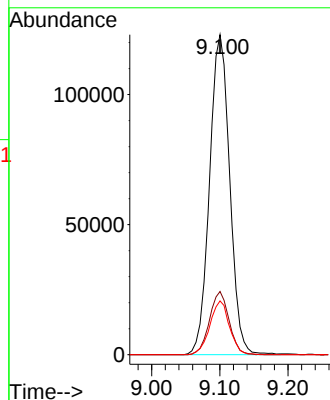
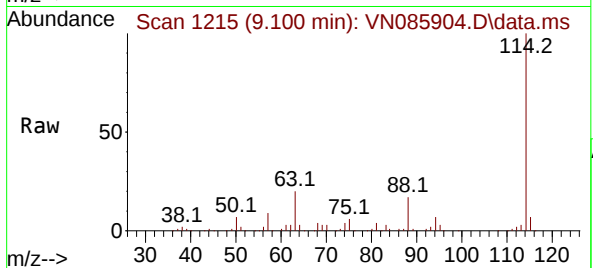
Tgt Ion:114 Resp: 253441

Ion Ratio Lower Upper

114 100

63 19.7 0.0 39.2

88 16.8 0.0 30.0



#35

Dibromofluoromethane

Concen: 54.898 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085904.D

Acq: 06 Mar 2025 17:30

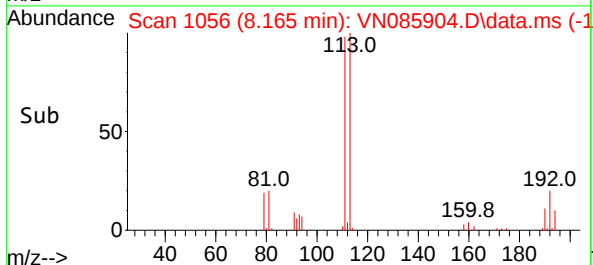
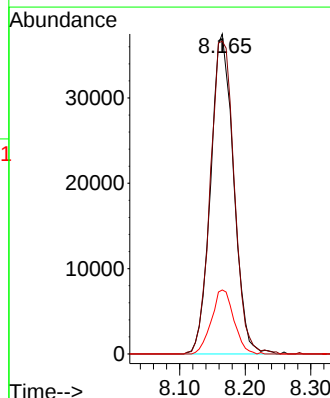
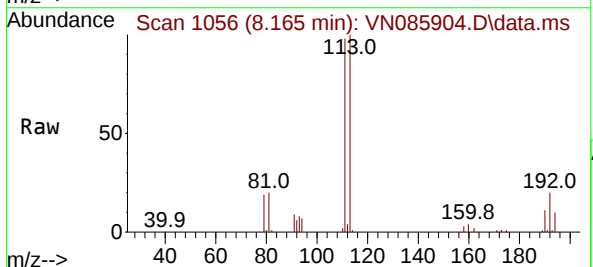
Tgt Ion:113 Resp: 91042

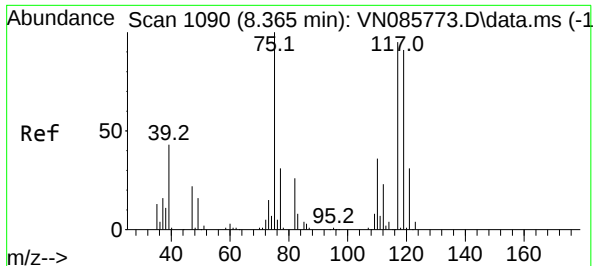
Ion Ratio Lower Upper

113 100

111 101.7 82.2 123.4

192 19.6 14.7 22.1





#36

1,1-Dichloropropene

Concen: 4.486 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

Lab File: VN085904.D

Acq: 06 Mar 2025 17:30

Instrument :

MSVOA_N

ClientSampleId :

PB166989ZHE#06

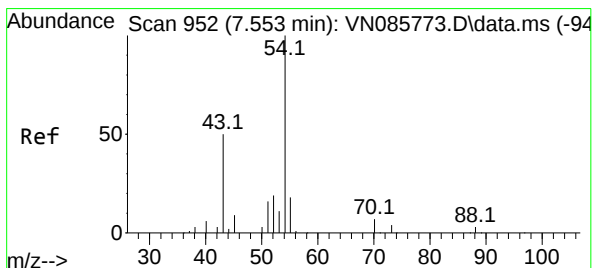
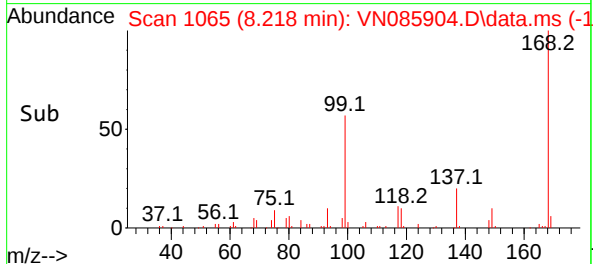
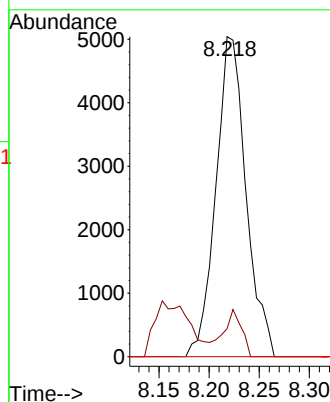
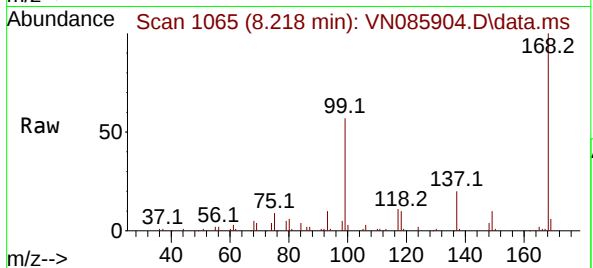
Tgt Ion: 75 Resp: 10529

Ion Ratio Lower Upper

75 100

110 8.9 17.3 52.0#

77 0.0 24.6 37.0#



#37

Ethyl Acetate

Concen: 0.627 ug/l

RT: 7.565 min Scan# 954

Delta R.T. 0.012 min

Lab File: VN085904.D

Acq: 06 Mar 2025 17:30

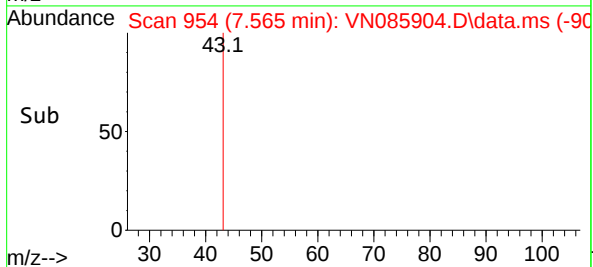
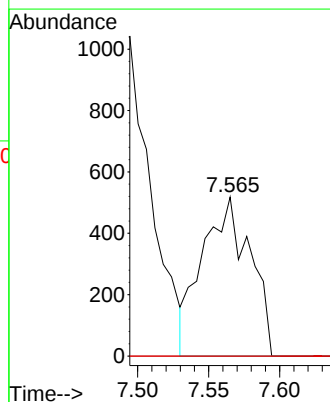
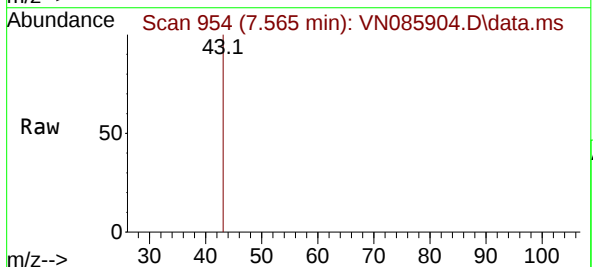
Tgt Ion: 43 Resp: 1212

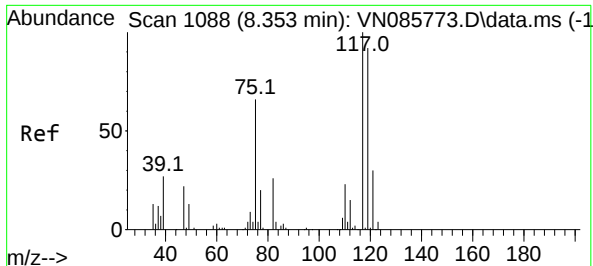
Ion Ratio Lower Upper

43 100

61 0.0 12.2 18.2#

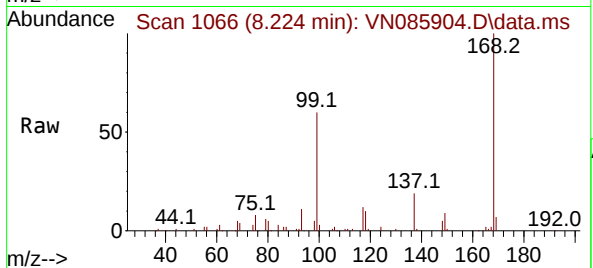
70 0.0 9.5 14.3#



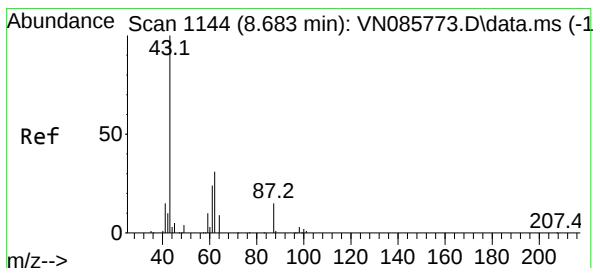
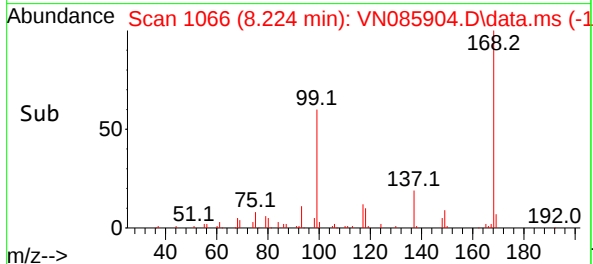
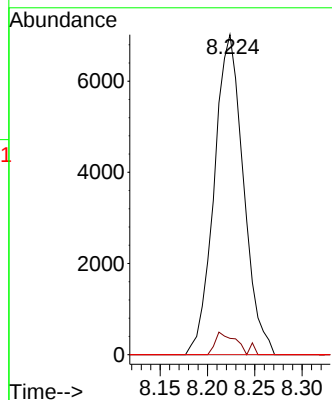


#38
Carbon Tetrachloride
Concen: 5.421 ug/l
RT: 8.224 min Scan# 110
Delta R.T. -0.129 min
Lab File: VN085904.D
Acq: 06 Mar 2025 17:30

Instrument :
MSVOA_N
ClientSampleId :
PB166989ZHE#06

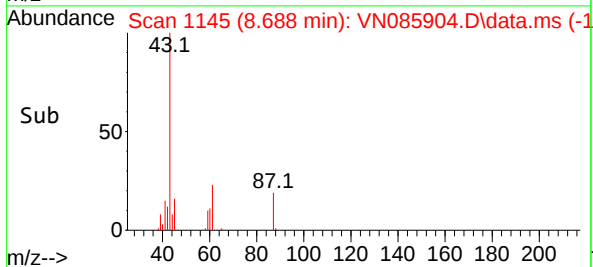
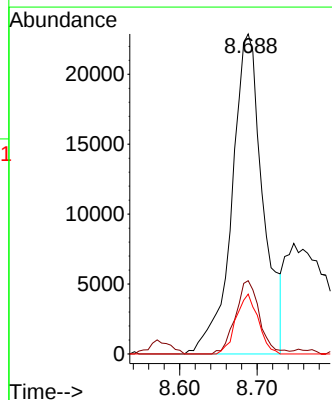
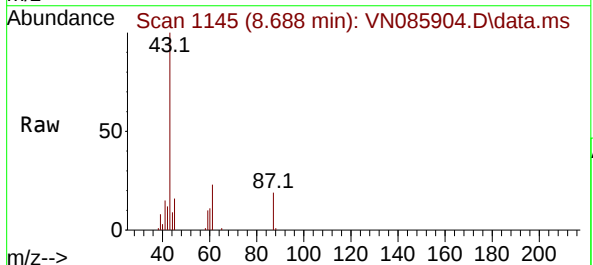


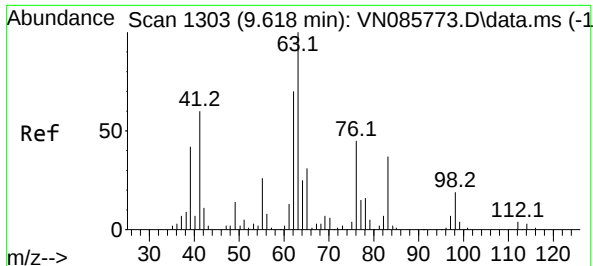
Tgt Ion:117 Resp: 15117
Ion Ratio Lower Upper
117 100
119 5.1 73.8 110.6#
121 0.0 24.3 36.5#



#43
Isopropyl Acetate
Concen: 18.444 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.005 min
Lab File: VN085904.D
Acq: 06 Mar 2025 17:30

Tgt Ion: 43 Resp: 63688
Ion Ratio Lower Upper
43 100
61 17.9 22.6 34.0#
87 13.5 11.8 17.8





#45

1,2-Dichloropropane

Concen: 0.475 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.124 min

Lab File: VN085904.D

Acq: 06 Mar 2025 17:30

Instrument :

MSVOA_N

ClientSampleId :

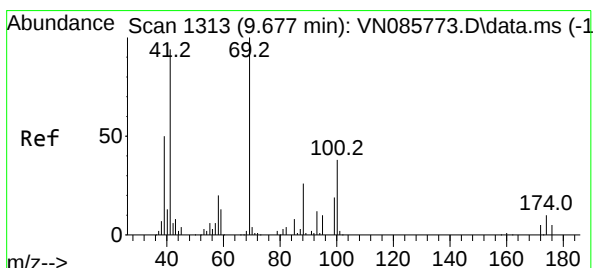
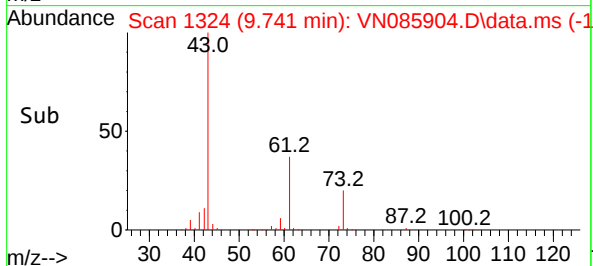
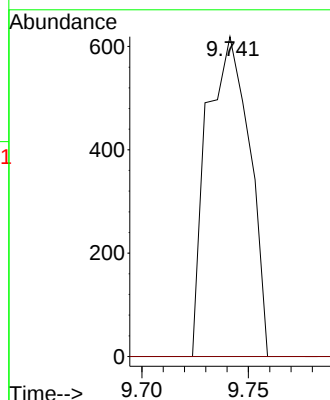
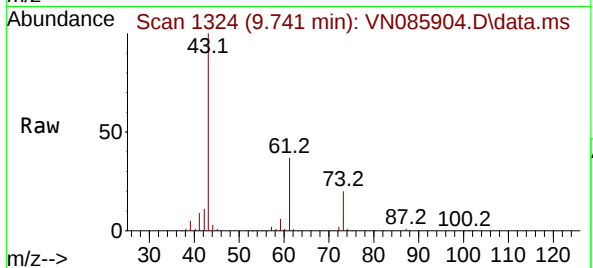
PB166989ZHE#06

Tgt Ion: 63 Resp: 862

Ion Ratio Lower Upper

63 100

65 0.0 25.1 37.7#



#48

Methyl methacrylate

Concen: 41.200 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.065 min

Lab File: VN085904.D

Acq: 06 Mar 2025 17:30

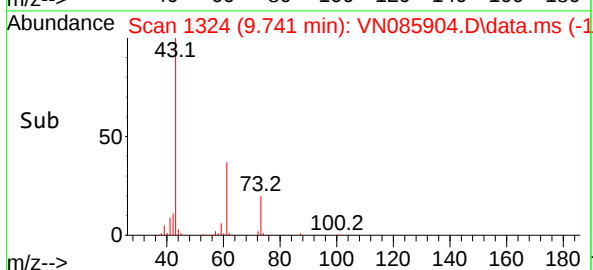
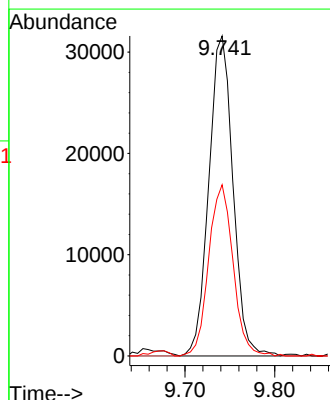
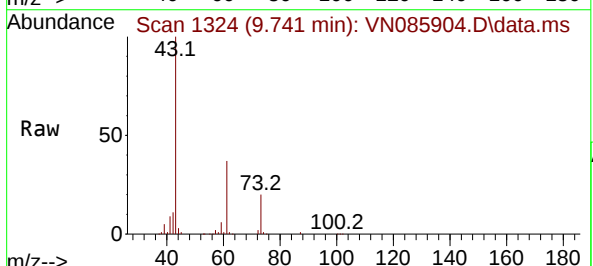
Tgt Ion: 41 Resp: 59100

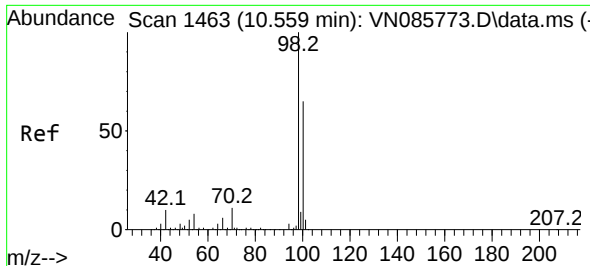
Ion Ratio Lower Upper

41 100

69 0.0 76.0 114.0#

39 54.1 42.3 63.5

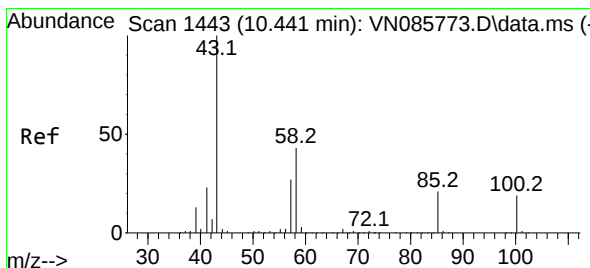
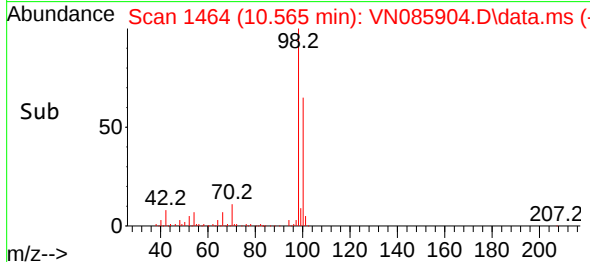
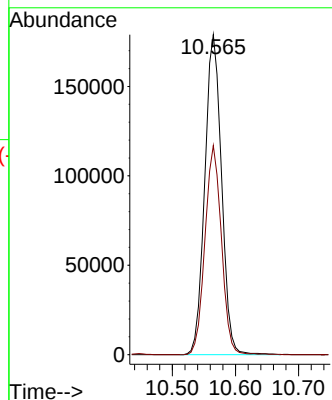
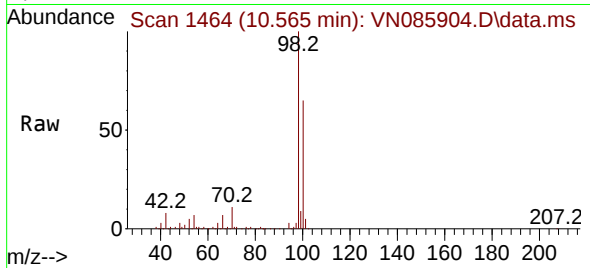




#50
Toluene-d8
Concen: 54.558 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN085904.D
Acq: 06 Mar 2025 17:30

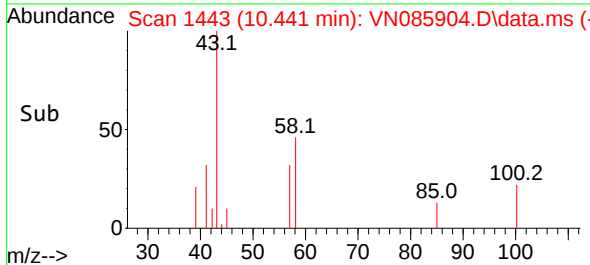
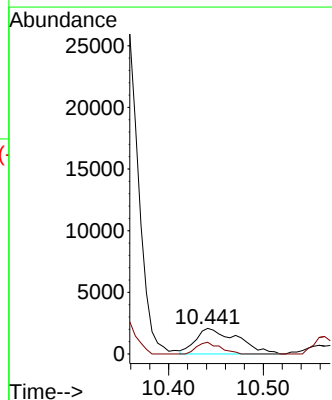
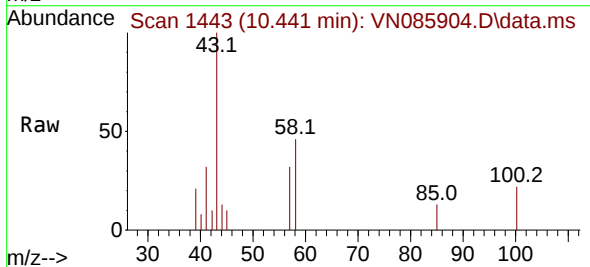
Instrument :
MSVOA_N
ClientSampleId :
PB166989ZHE#06

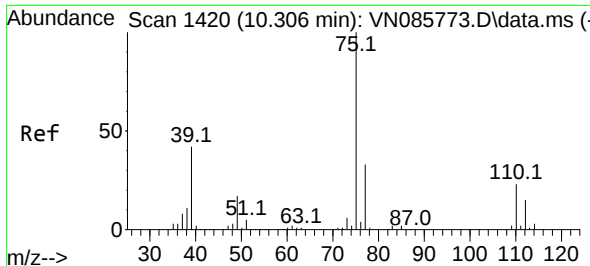
Tgt Ion: 98 Resp: 329192
Ion Ratio Lower Upper
98 100
100 64.2 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 3.429 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN085904.D
Acq: 06 Mar 2025 17:30

Tgt Ion: 43 Resp: 6385
Ion Ratio Lower Upper
43 100
58 25.3 34.6 52.0#

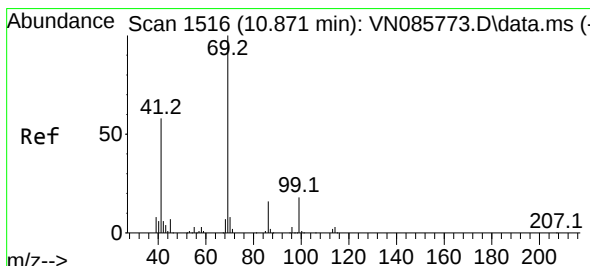
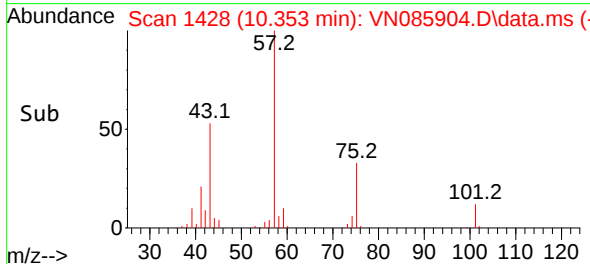
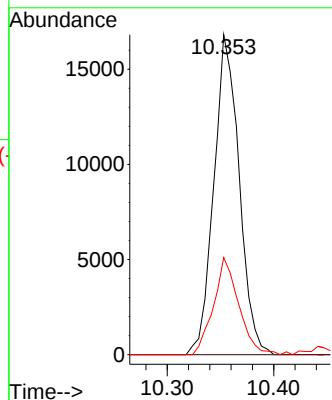
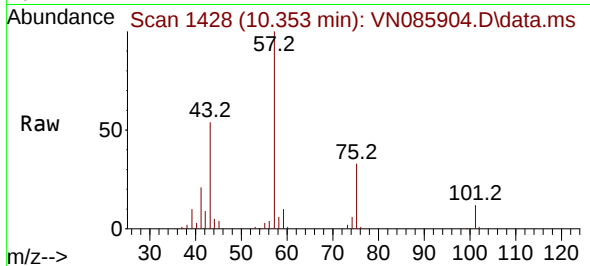




#54
 cis-1,3-Dichloropropene
 Concen: 9.957 ug/l
 RT: 10.353 min Scan# 1428
 Delta R.T. 0.047 min
 Lab File: VN085904.D
 Acq: 06 Mar 2025 17:30

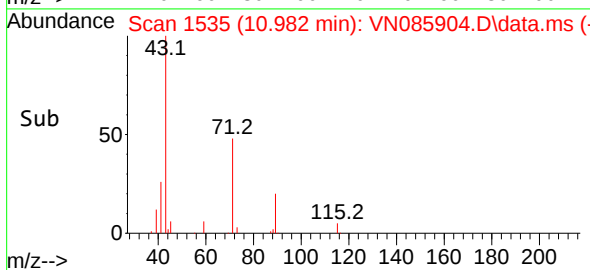
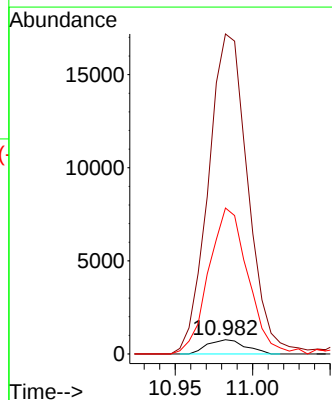
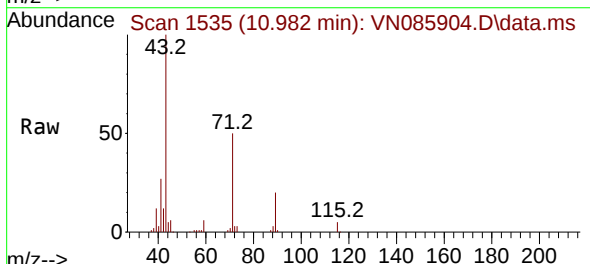
Instrument :
 MSVOA_N
 ClientSampleId :
 PB166989ZHE#06

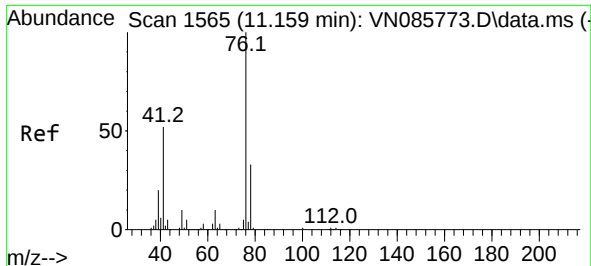
Tgt Ion: 75 Resp: 27665
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.1 39.1#
 39 30.3 33.4 50.0#



#56
 Ethyl methacrylate
 Concen: 1.036 ug/l
 RT: 10.982 min Scan# 1535
 Delta R.T. 0.111 min
 Lab File: VN085904.D
 Acq: 06 Mar 2025 17:30

Tgt Ion: 69 Resp: 1303
 Ion Ratio Lower Upper
 69 100
 41 2343.4 46.0 69.0#
 39 1062.7 22.0 33.0#





#57

1,3-Dichloropropane

Concen: 1.226 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.041 min

Lab File: VN085904.D

Acq: 06 Mar 2025 17:30

Instrument :

MSVOA_N

ClientSampleId :

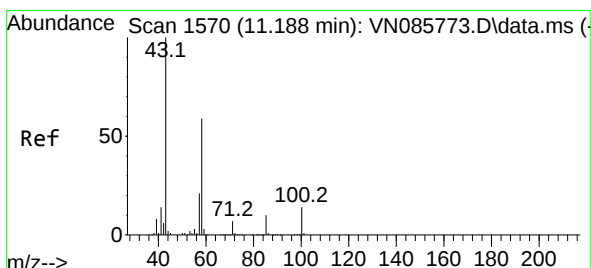
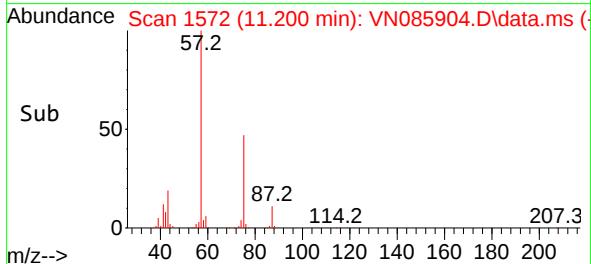
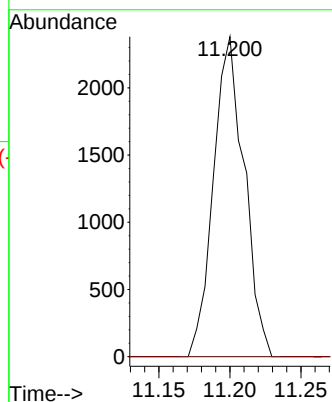
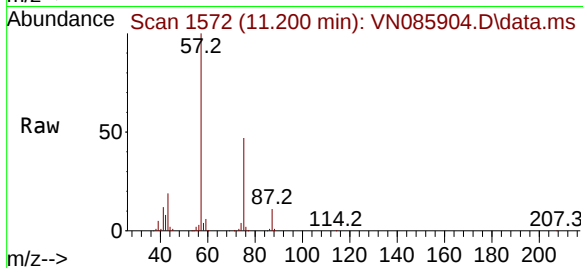
PB166989ZHE#06

Tgt Ion: 76 Resp: 3589

Ion Ratio Lower Upper

76 100

78 0.0 25.9 38.9#



#59

2-Hexanone

Concen: 30.682 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.012 min

Lab File: VN085904.D

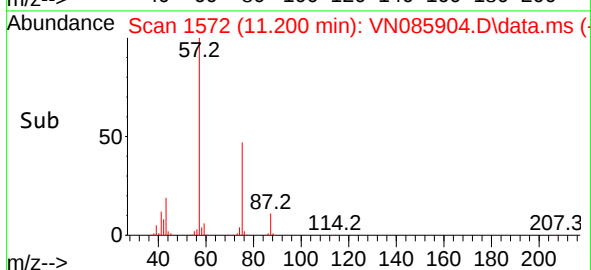
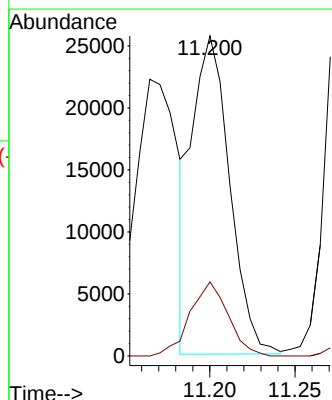
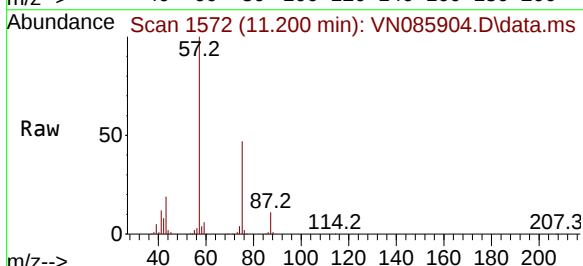
Acq: 06 Mar 2025 17:30

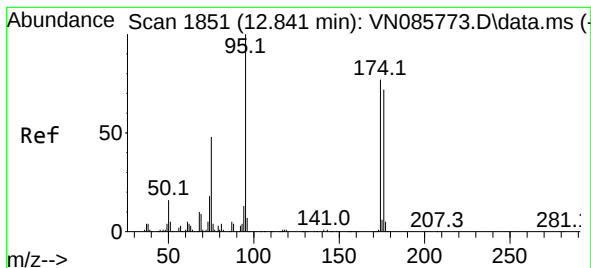
Tgt Ion: 43 Resp: 39307

Ion Ratio Lower Upper

43 100

58 23.7 29.8 89.5#

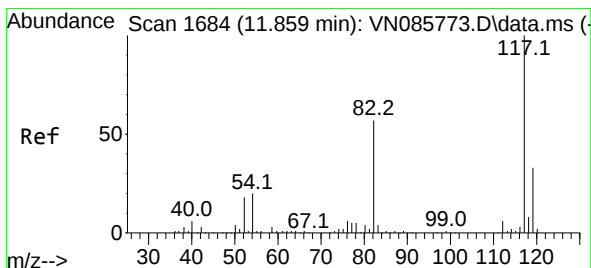
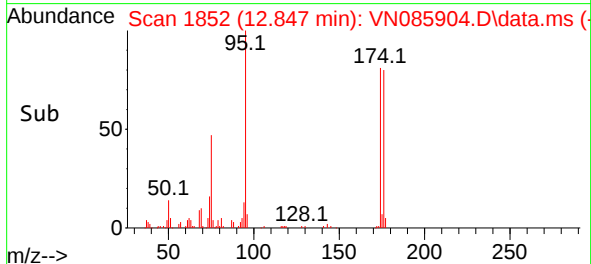
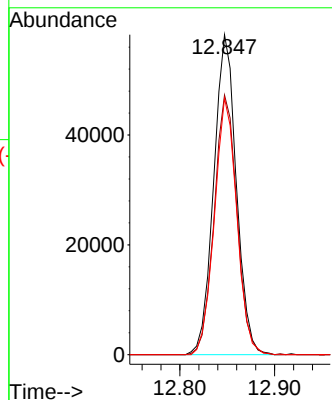
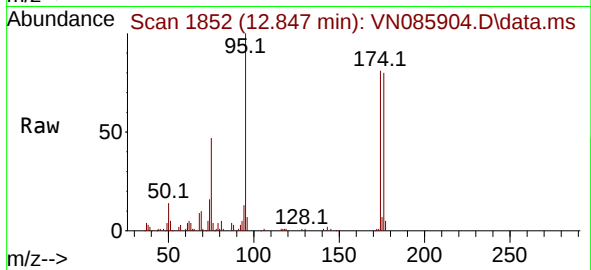




#62
4-Bromofluorobenzene
Concen: 48.550 ug/l
RT: 12.847 min Scan# 1851
Delta R.T. 0.006 min
Lab File: VN085904.D
Acq: 06 Mar 2025 17:30

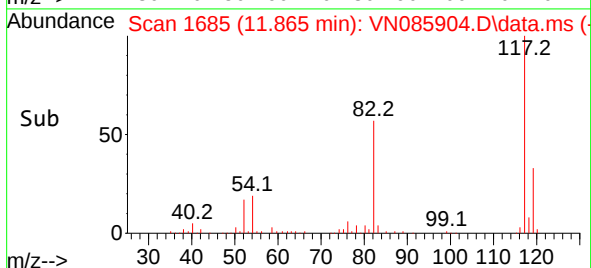
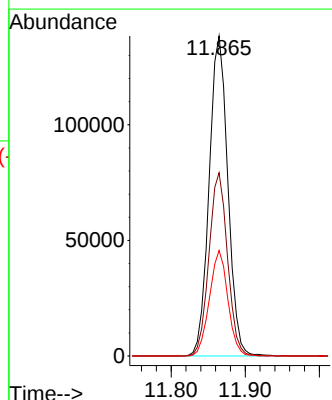
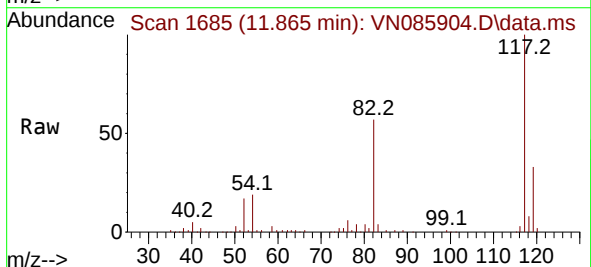
Instrument :
MSVOA_N
ClientSampleId :
PB166989ZHE#06

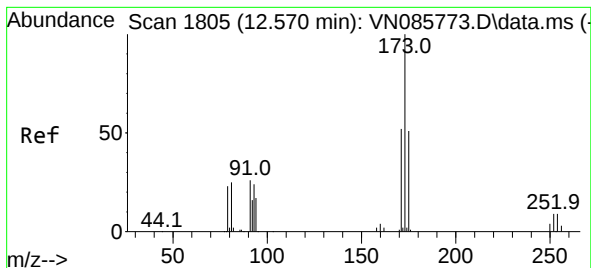
Tgt Ion: 95 Resp: 96517
Ion Ratio Lower Upper
95 100
174 81.9 0.0 152.4
176 79.3 0.0 146.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.006 min
Lab File: VN085904.D
Acq: 06 Mar 2025 17:30

Tgt Ion: 117 Resp: 242378
Ion Ratio Lower Upper
117 100
82 57.3 45.7 68.5
119 33.0 26.2 39.2





#71

Bromoform

Concen: 0.448 ug/l

RT: 12.841 min Scan# 11

Delta R.T. 0.271 min

Lab File: VN085904.D

Acq: 06 Mar 2025 17:30

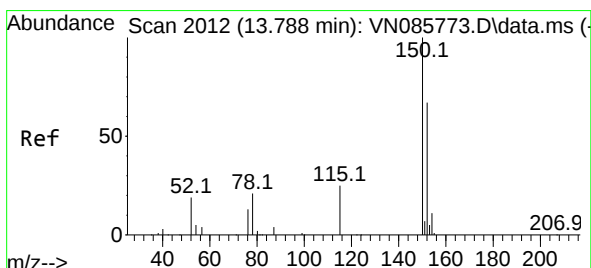
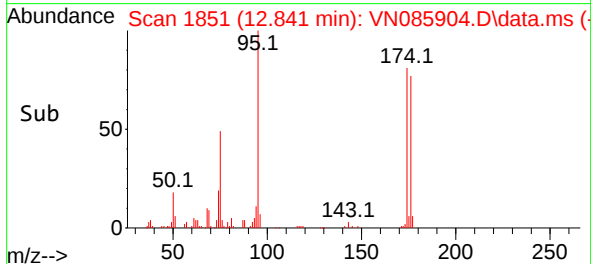
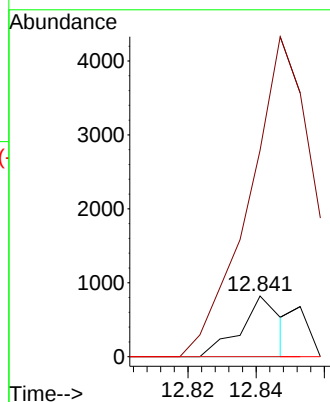
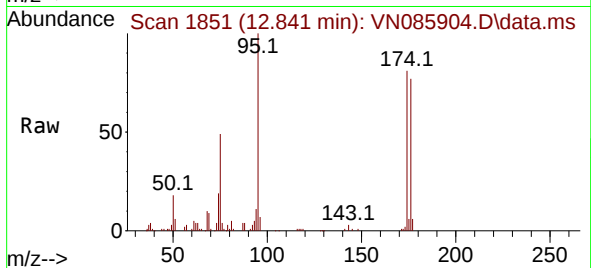
Instrument :

MSVOA_N

ClientSampleId :

PB166989ZHE#06

Tgt Ion:173	Resp:	664
Ion Ratio	Lower	Upper
173	100	
175	0.0	25.1
254	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

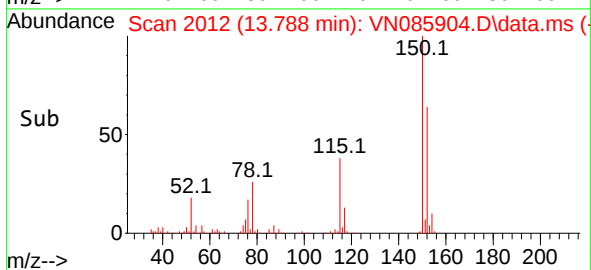
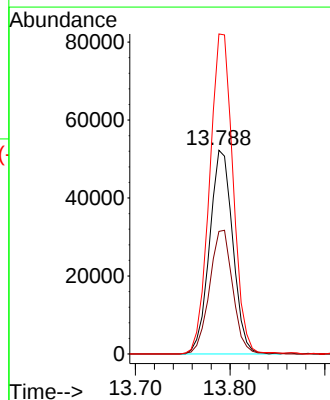
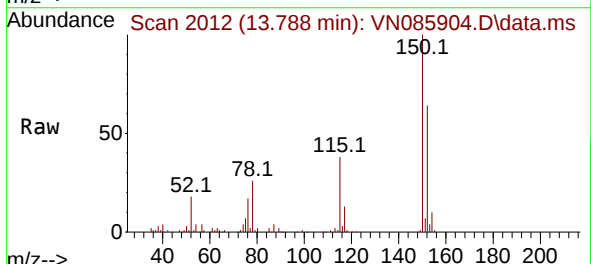
RT: 13.788 min Scan# 2012

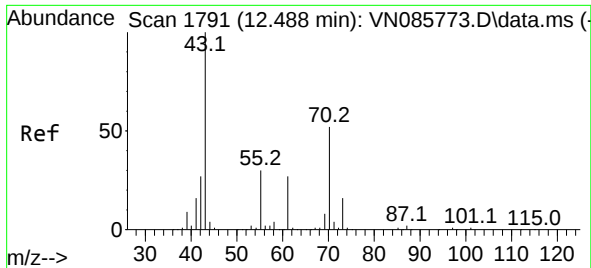
Delta R.T. 0.000 min

Lab File: VN085904.D

Acq: 06 Mar 2025 17:30

Tgt Ion:152	Resp:	88927
Ion Ratio	Lower	Upper
152	100	
115	60.5	30.4
150	158.5	0.0

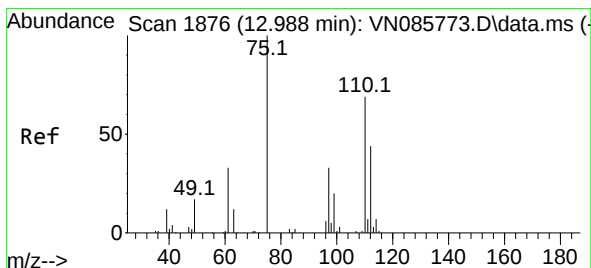
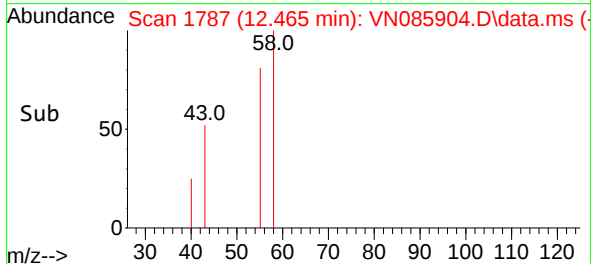
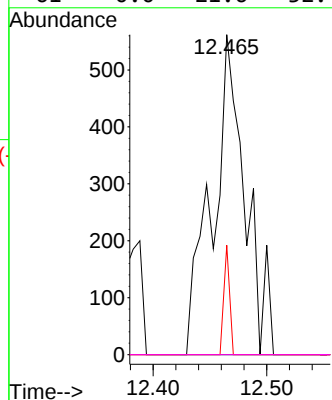
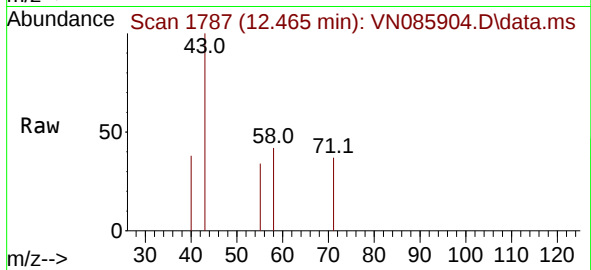




#74
N-amy1 acetate
Concen: 0.526 ug/l
RT: 12.465 min Scan# 1129
Delta R.T. -0.023 min
Lab File: VN085904.D
Acq: 06 Mar 2025 17:30

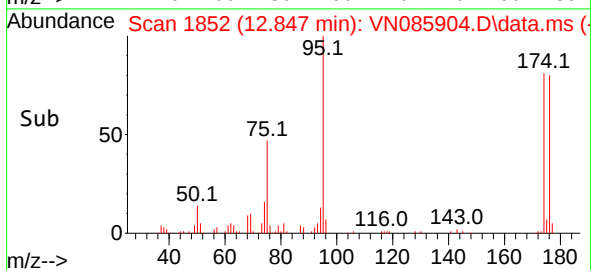
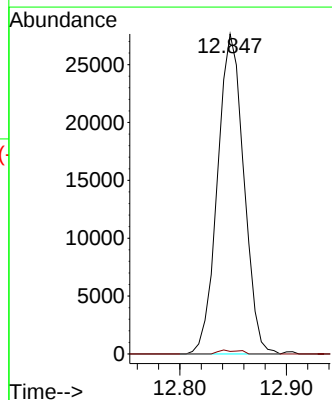
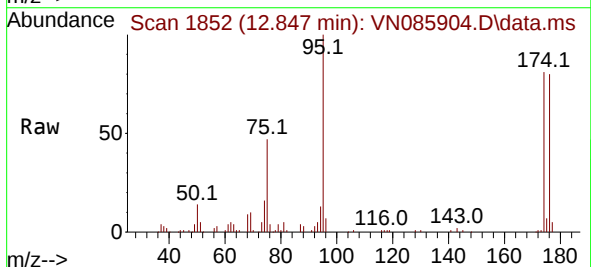
Instrument :
MSVOA_N
ClientSampleId :
PB166989ZHE#06

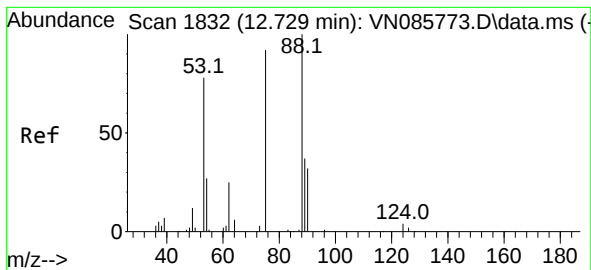
Tgt Ion	Ratio	Lower	Upper
43	100		
70	0.0	41.0	61.4#
55	6.0	24.6	36.8#
61	0.0	21.6	32.4#



#76
1,2,3-Trichloropropane
Concen: 24.005 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN085904.D
Acq: 06 Mar 2025 17:30

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.0	100.0	300.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.040 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN085904.D
 Acq: 06 Mar 2025 17:30

Instrument :
 MSVOA_N
 ClientSampleId :
 PB166989ZHE#06

Tgt Ion: 75 Resp: 47418
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.2 111.4#
 89 0.0 34.9 52.3#

