

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030625\
 Data File : VN085903.D
 Acq On : 06 Mar 2025 17:06
 Operator : JC\MD
 Sample : PB166989ZHE#05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB166989ZHE#05

Quant Time: Mar 07 00:41:35 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)

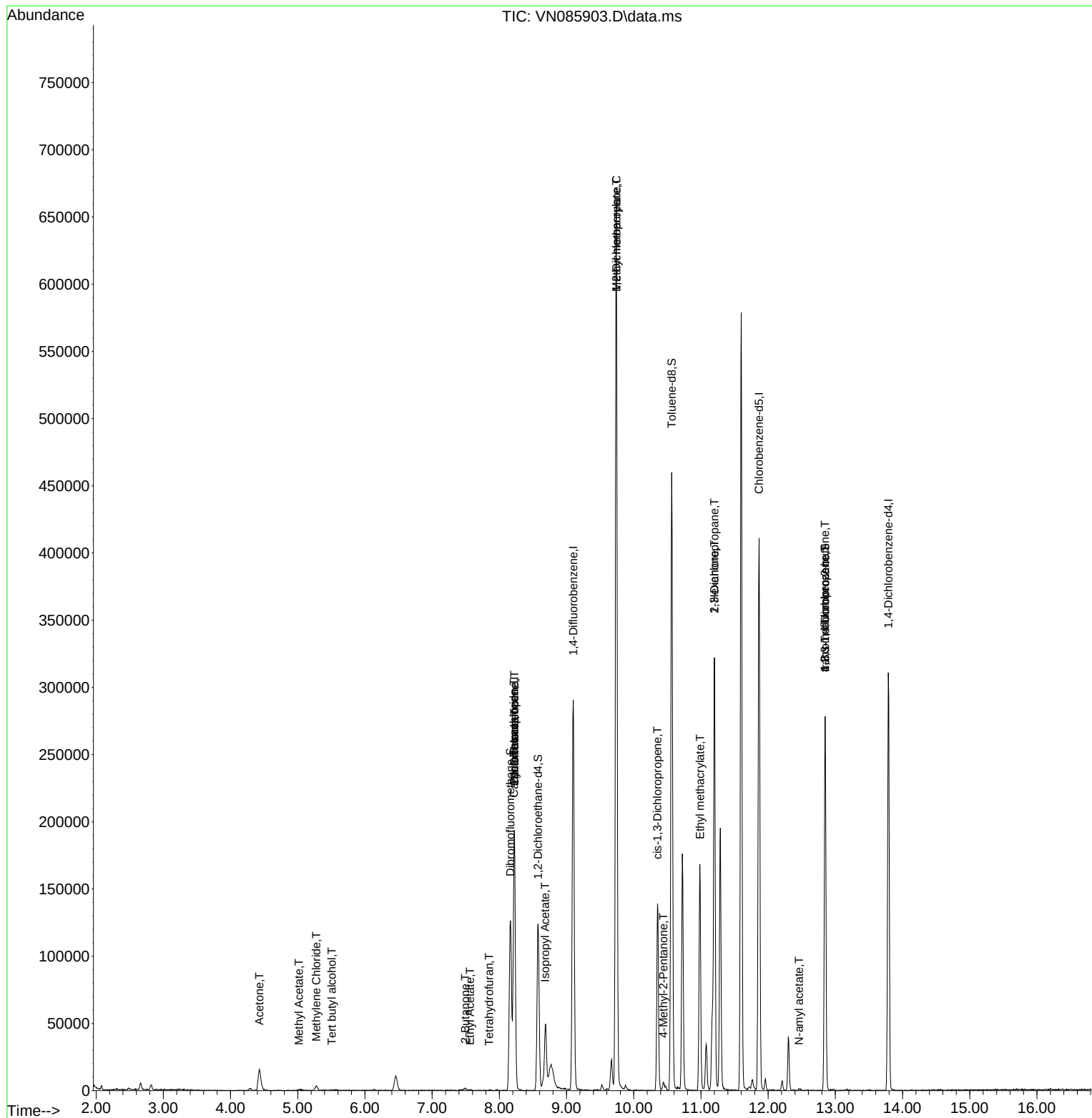
Internal Standards						
1) Pentafluorobenzene	8.224	168	140463	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	257681	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	244237	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	89594	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	105880	58.142	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 116.280%			
35) Dibromofluoromethane	8.165	113	94344	55.953	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 111.900%			
50) Toluene-d8	10.565	98	328155	53.492	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.980%			
62) 4-Bromofluorobenzene	12.847	95	95703	47.349	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 94.700%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.506	59	82	0.366	ug/l #	72
16) Acetone	4.430	43	28871	50.105	ug/l	99
18) Methyl Acetate	5.018	43	1706	0.861	ug/l #	63
20) Methylene Chloride	5.277	84	2692	1.453	ug/l	93
25) 2-Butanone	7.494	43	2845	3.356	ug/l	97
29) Tetrahydrofuran	7.847	42	131	0.239	ug/l #	29
31) Cyclohexane	8.224	56	2687	1.033	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	10951	4.589	ug/l #	51
37) Ethyl Acetate	7.565	43	941	0.479	ug/l #	66
38) Carbon Tetrachloride	8.218	117	14283	5.037	ug/l #	19
43) Isopropyl Acetate	8.683	43	53655	15.188	ug/l #	90
45) 1,2-Dichloropropane	9.741	63	1043	0.565	ug/l #	43
48) Methyl methacrylate	9.741	41	57040	39.110	ug/l #	36
51) 4-Methyl-2-Pentanone	10.441	43	3652	1.929	ug/l	99
54) cis-1,3-Dichloropropene	10.353	75	26556	9.400	ug/l #	66
56) Ethyl methacrylate	10.988	69	1264	1.010	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	3635	1.222	ug/l #	42
59) 2-Hexanone	11.200	43	37839	29.050	ug/l #	53
74) N-amyl acetate	12.459	43	821	0.379	ug/l #	37
76) 1,2,3-Trichloropropane	12.847	75	49432	24.838	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	49432	72.471	ug/l #	12

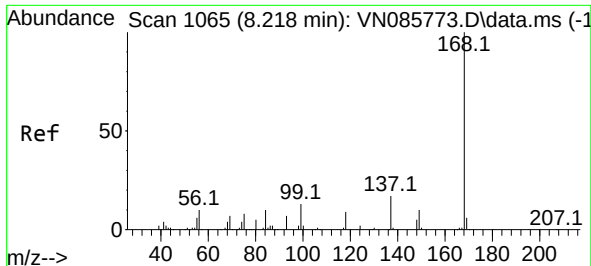
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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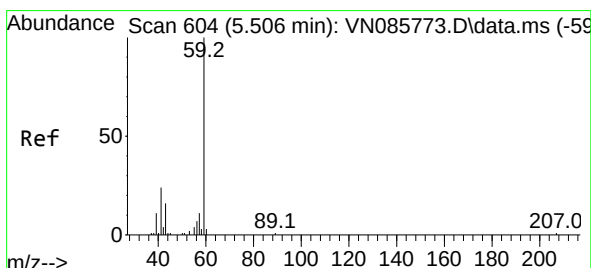
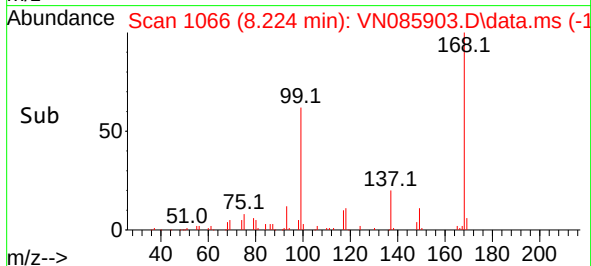
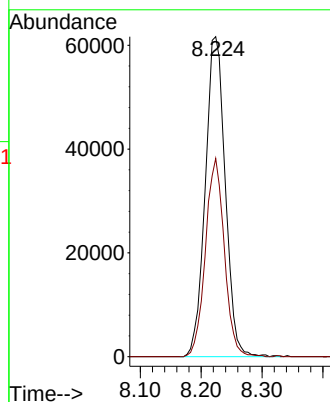
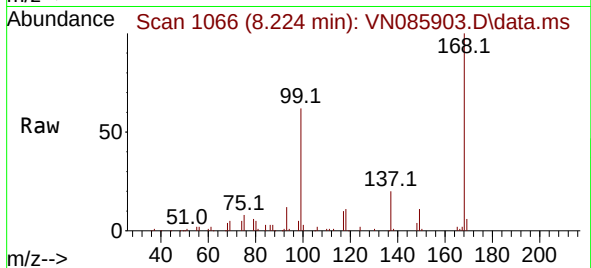




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085903.D
Acq: 06 Mar 2025 17:06

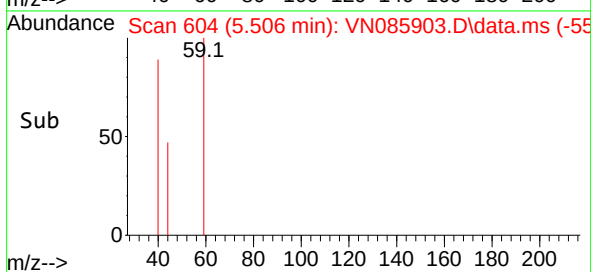
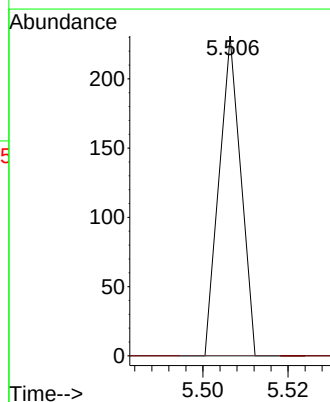
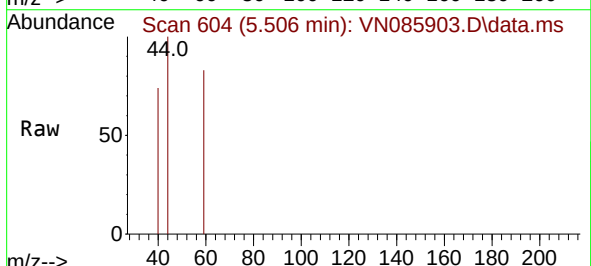
Instrument :
MSVOA_N
ClientSampleId :
PB166989ZHE#05

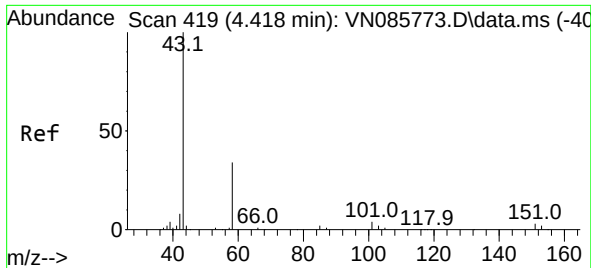
Tgt Ion:168 Resp: 140463
Ion Ratio Lower Upper
168 100
99 61.9 47.9 71.9



#11
Tert butyl alcohol
Concen: 0.366 ug/l
RT: 5.506 min Scan# 604
Delta R.T. 0.000 min
Lab File: VN085903.D
Acq: 06 Mar 2025 17:06

Tgt Ion: 59 Resp: 82
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

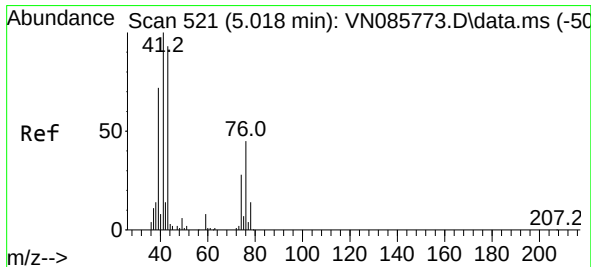
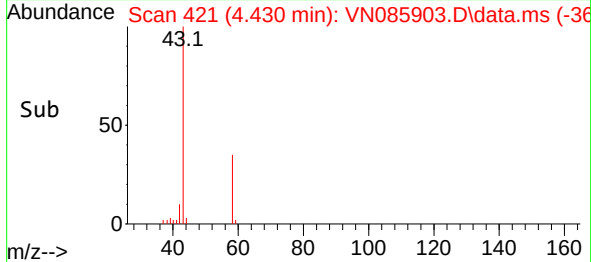
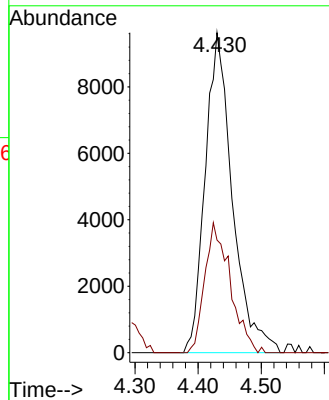
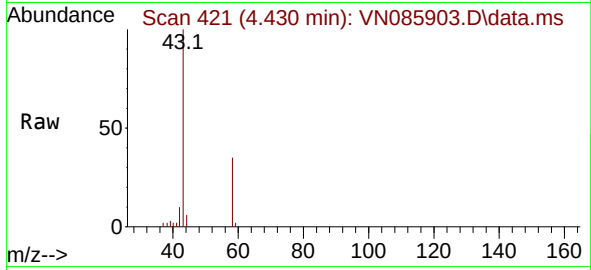




#16
Acetone
Concen: 50.105 ug/l
RT: 4.430 min Scan# 419
Delta R.T. 0.012 min
Lab File: VN085903.D
Acq: 06 Mar 2025 17:06

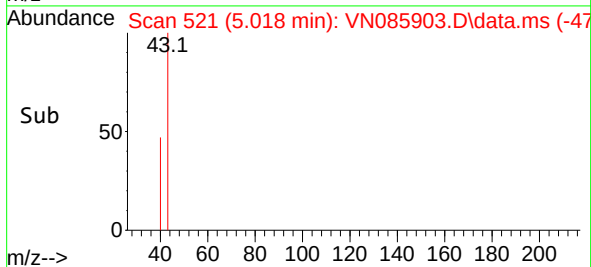
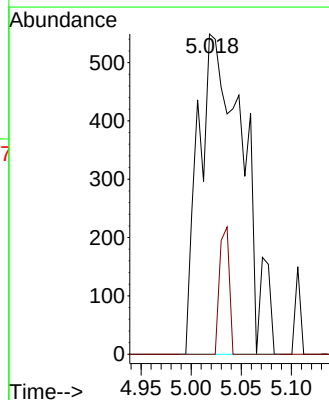
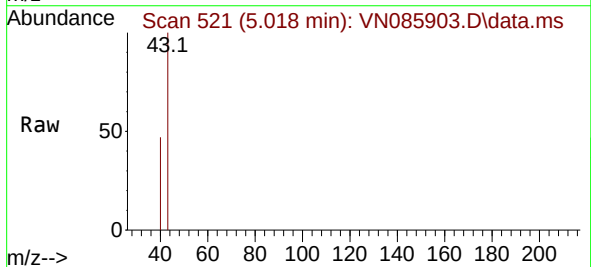
Instrument :
MSVOA_N
ClientSampleId :
PB166989ZHE#05

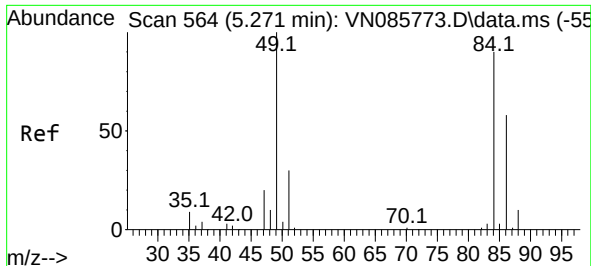
Tgt Ion: 43 Resp: 28871
Ion Ratio Lower Upper
43 100
58 35.2 27.5 41.3



#18
Methyl Acetate
Concen: 0.861 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN085903.D
Acq: 06 Mar 2025 17:06

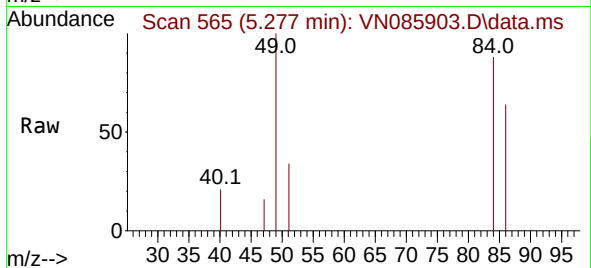
Tgt Ion: 43 Resp: 1706
Ion Ratio Lower Upper
43 100
74 8.6 22.2 33.4#



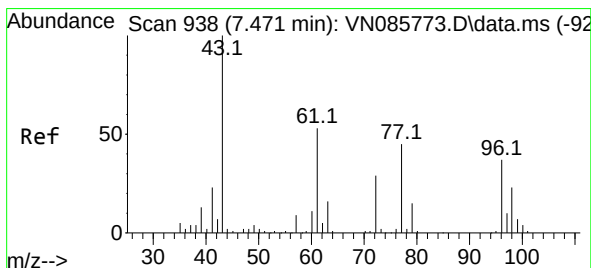
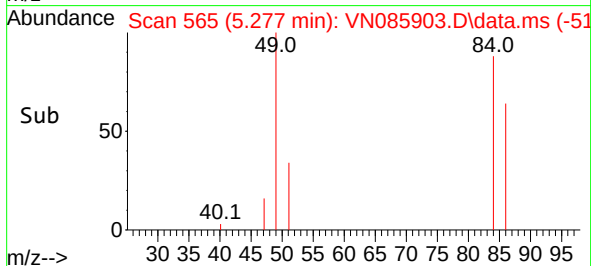
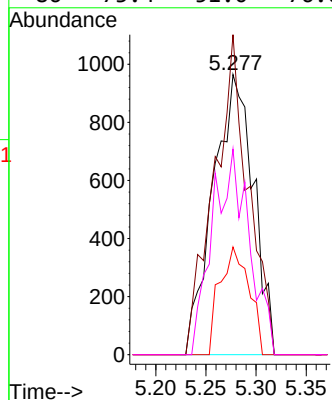


#20
Methylene Chloride
Concen: 1.453 ug/l
RT: 5.277 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN085903.D
Acq: 06 Mar 2025 17:06

Instrument :
MSVOA_N
ClientSampleId :
PB166989ZHE#05

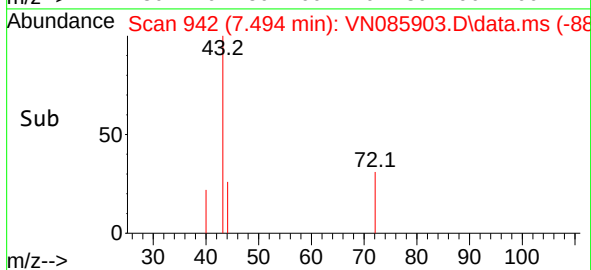
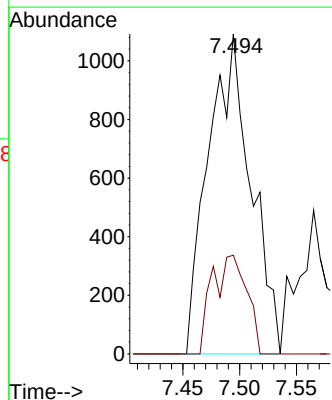
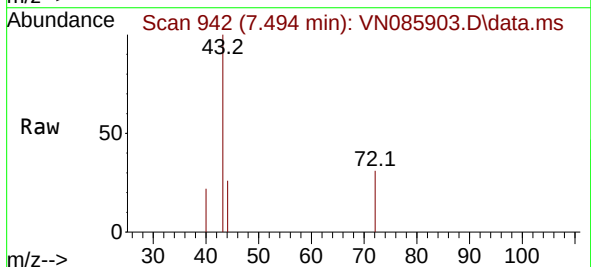


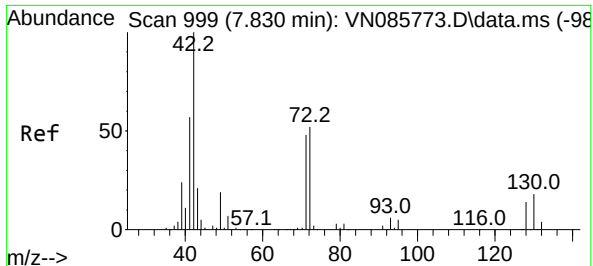
Tgt Ion: 84	Resp: 2692
Ion Ratio	Lower Upper
84 100	
49 114.2	88.4 132.6
51 38.4	26.6 40.0
86 73.4	51.0 76.6



#25
2-Butanone
Concen: 3.356 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.024 min
Lab File: VN085903.D
Acq: 06 Mar 2025 17:06

Tgt Ion: 43	Resp: 2845		
Ion Ratio	Lower	Upper	
43 100			
72 30.9	23.6	35.4	





#29

Tetrahydrofuran

Concen: 0.239 ug/l

RT: 7.847 min Scan# 1066

Delta R.T. 0.018 min

Lab File: VN085903.D

Acq: 06 Mar 2025 17:06

Instrument :

MSVOA_N

ClientSampleId :

PB166989ZHE#05

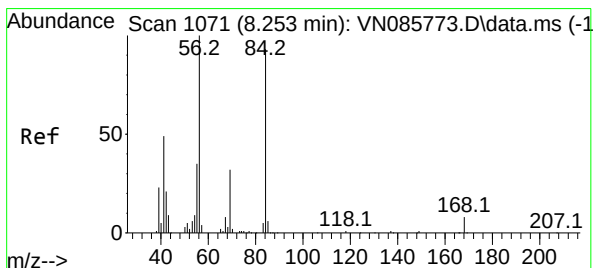
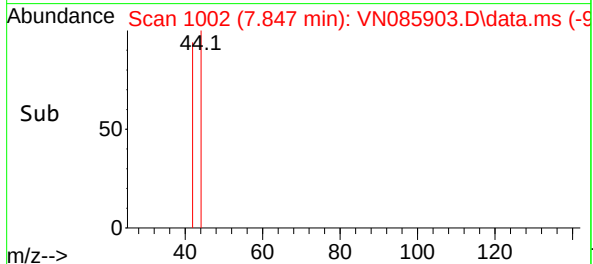
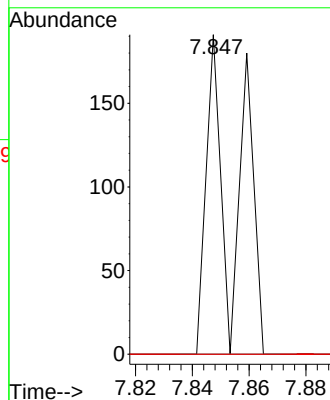
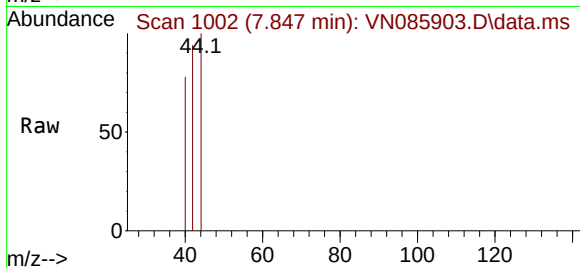
Tgt Ion: 42 Resp: 131

Ion Ratio Lower Upper

42 100

72 0.0 40.0 60.0#

71 0.0 37.0 55.4#



#31

Cyclohexane

Concen: 1.033 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.029 min

Lab File: VN085903.D

Acq: 06 Mar 2025 17:06

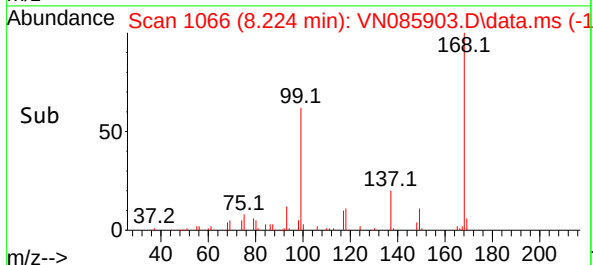
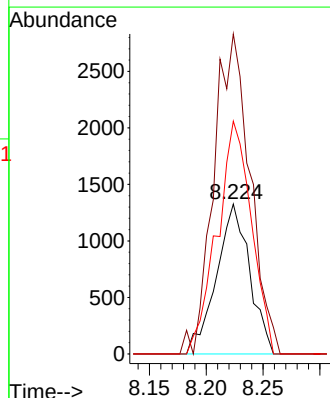
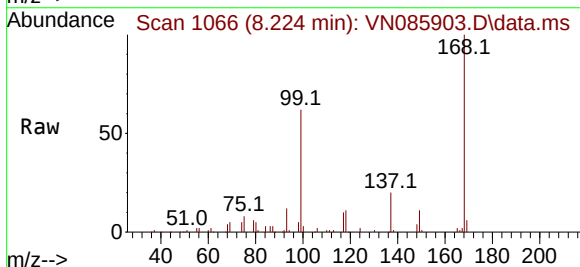
Tgt Ion: 56 Resp: 2687

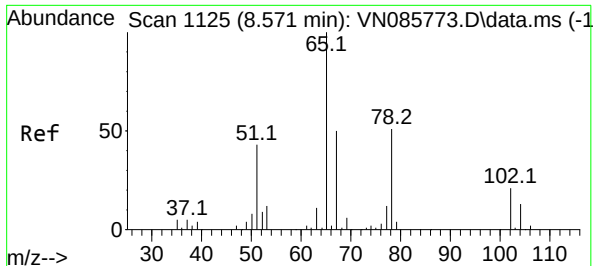
Ion Ratio Lower Upper

56 100

69 213.5 25.8 38.6#

84 155.4 74.5 111.7#





#33

1,2-Dichloroethane-d4

Concen: 58.142 ug/l

RT: 8.577 min Scan# 1125

Delta R.T. 0.006 min

Lab File: VN085903.D

Acq: 06 Mar 2025 17:06

Instrument :

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ClientSampleId :

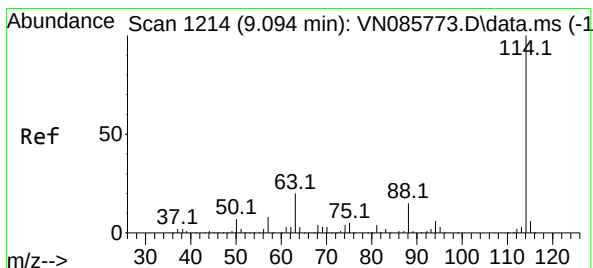
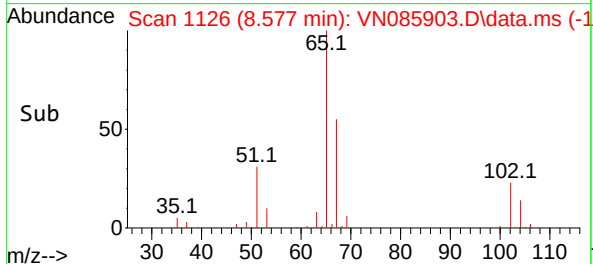
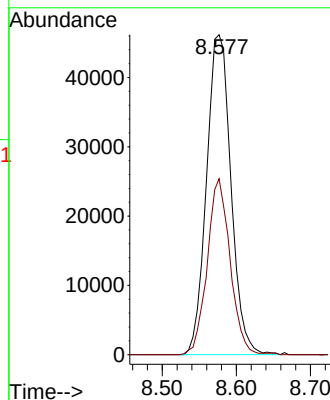
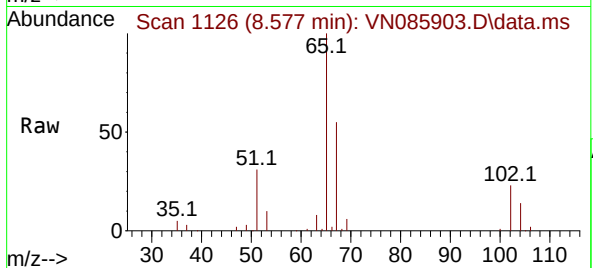
PB166989ZHE#05

Tgt Ion: 65 Resp: 105880

Ion Ratio Lower Upper

65 100

67 51.3 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.006 min

Lab File: VN085903.D

Acq: 06 Mar 2025 17:06

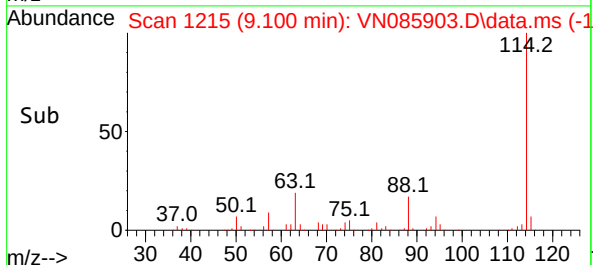
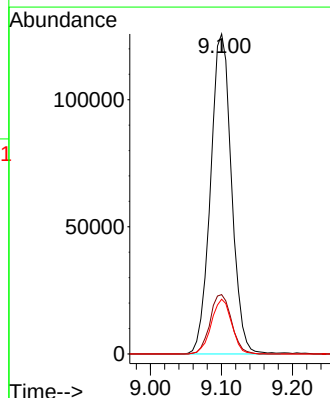
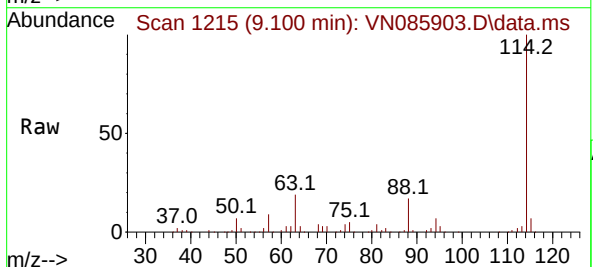
Tgt Ion: 114 Resp: 257681

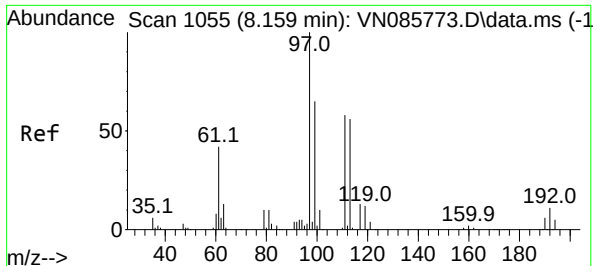
Ion Ratio Lower Upper

114 100

63 18.6 0.0 39.2

88 17.1 0.0 30.0

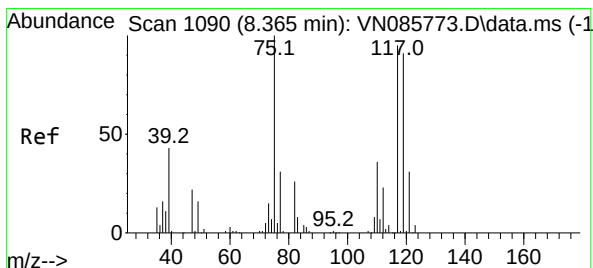
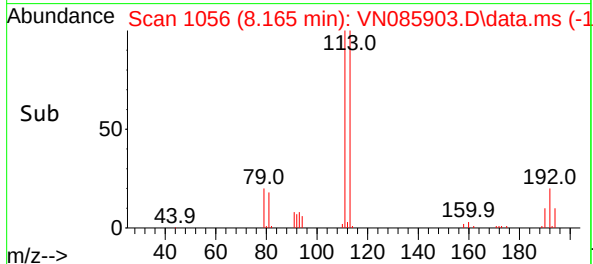
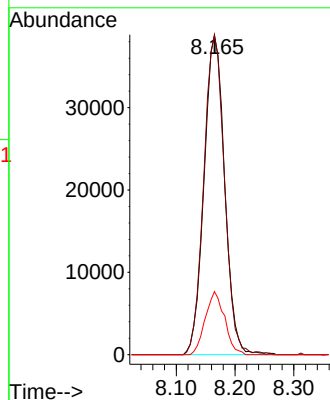
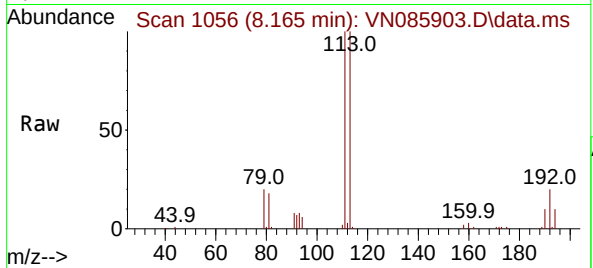




#35
Dibromofluoromethane
Concen: 55.953 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN085903.D
Acq: 06 Mar 2025 17:06

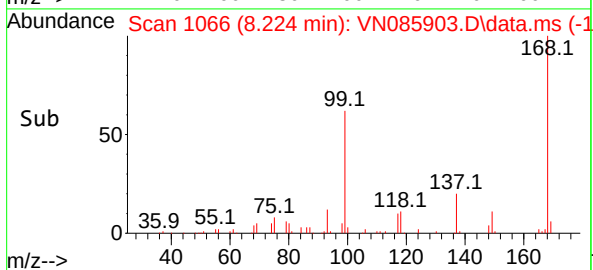
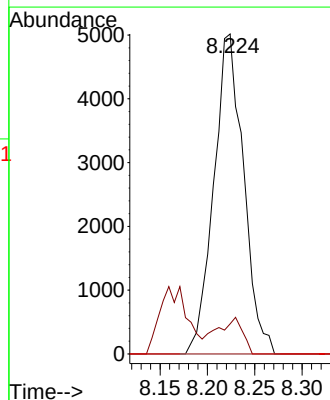
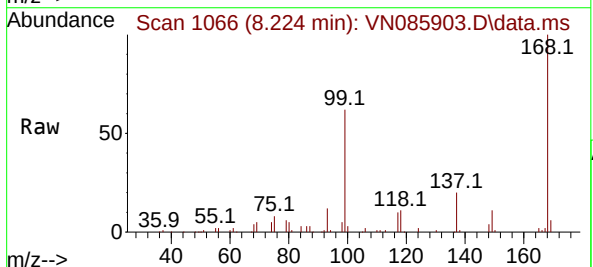
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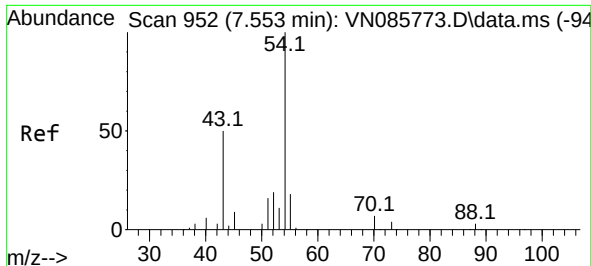
Tgt Ion:113 Resp: 94344
Ion Ratio Lower Upper
113 100
111 100.4 82.2 123.4
192 18.6 14.7 22.1



#36
1,1-Dichloropropene
Concen: 4.589 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN085903.D
Acq: 06 Mar 2025 17:06

Tgt Ion: 75 Resp: 10951
Ion Ratio Lower Upper
75 100
110 10.1 17.3 52.0#
77 0.0 24.6 37.0#





#37

Ethyl Acetate

Concen: 0.479 ug/l

RT: 7.565 min Scan# 91

Delta R.T. 0.012 min

Lab File: VN085903.D

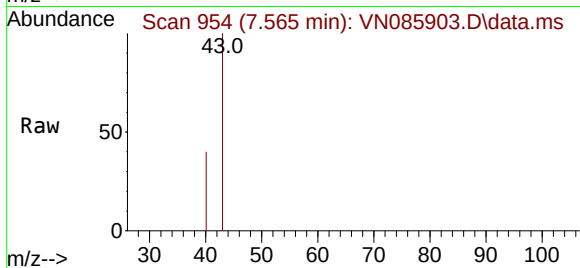
Acq: 06 Mar 2025 17:06

Instrument :

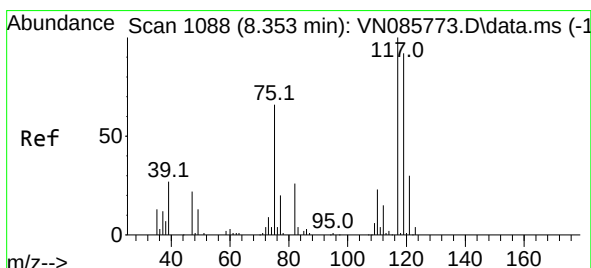
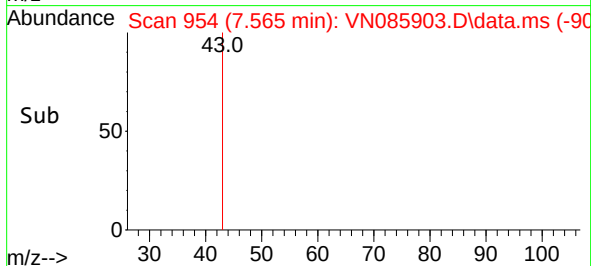
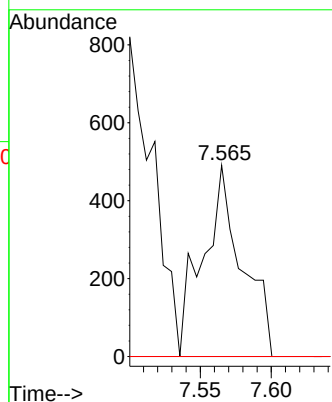
MSVOA_N

ClientSampleId :

PB166989ZHE#05



Tgt Ion:	43	Resp:	941
Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.2	18.2#
70	0.0	9.5	14.3#



#38

Carbon Tetrachloride

Concen: 5.037 ug/l

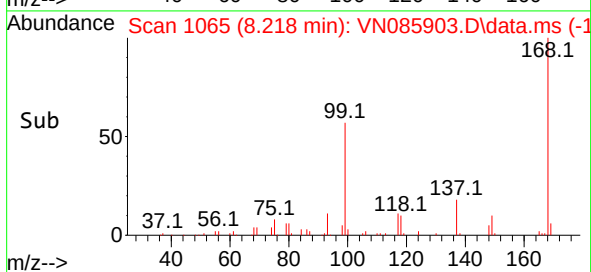
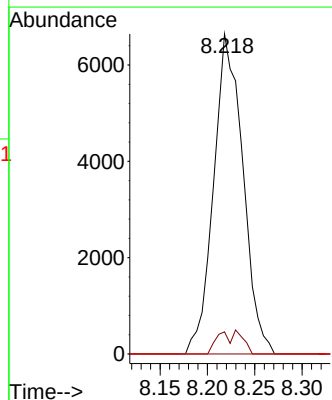
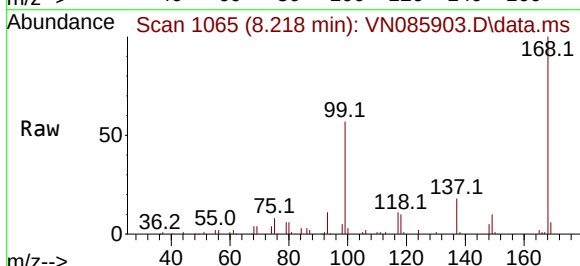
RT: 8.218 min Scan# 1065

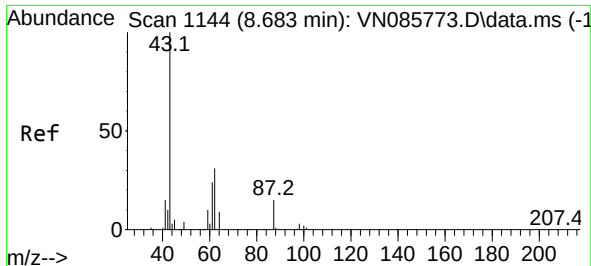
Delta R.T. -0.135 min

Lab File: VN085903.D

Acq: 06 Mar 2025 17:06

Tgt Ion:	117	Resp:	14283
Ion	Ratio	Lower	Upper
117	100		
119	6.9	73.8	110.6#
121	0.0	24.3	36.5#

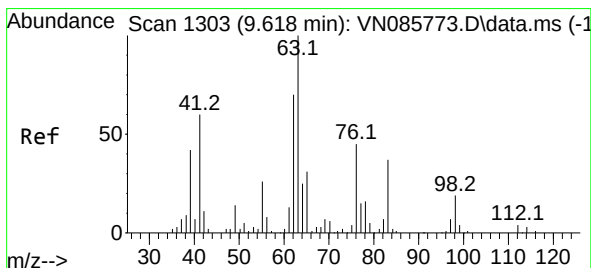
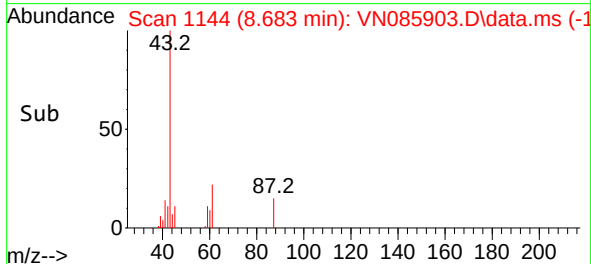
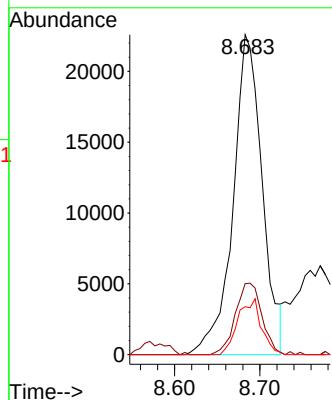
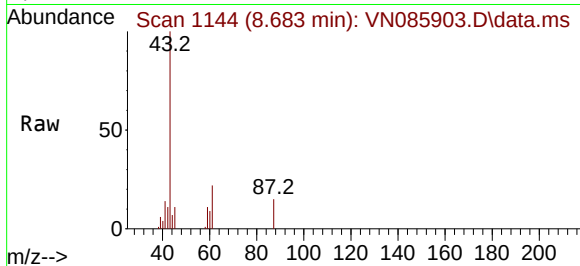




#43
Isopropyl Acetate
Concen: 15.188 ug/l
RT: 8.683 min Scan# 1144
Delta R.T. -0.000 min
Lab File: VN085903.D
Acq: 06 Mar 2025 17:06

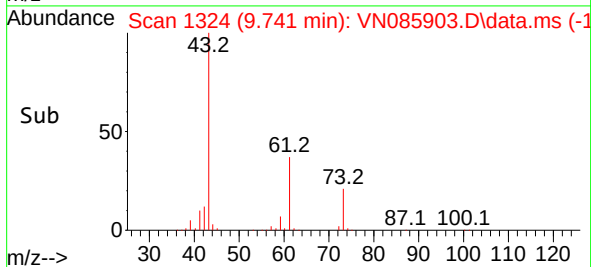
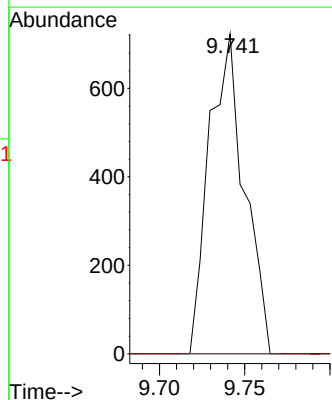
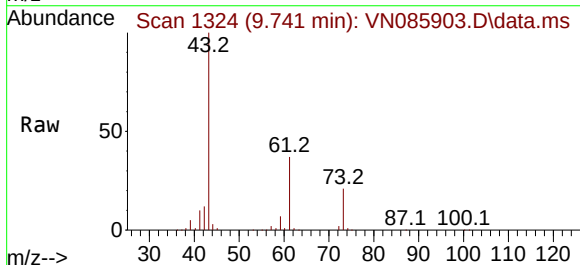
Instrument :
MSVOA_N
ClientSampleId :
PB166989ZHE#05

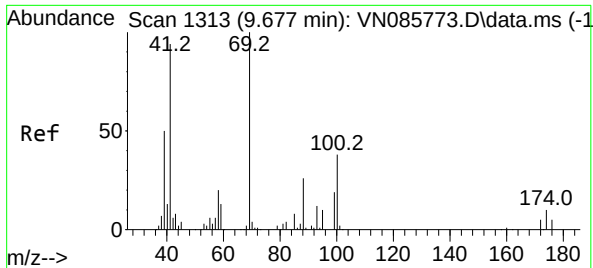
Tgt Ion: 43 Resp: 53655
Ion Ratio Lower Upper
43 100
61 20.4 22.6 34.0#
87 14.1 11.8 17.8



#45
1,2-Dichloropropane
Concen: 0.565 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.124 min
Lab File: VN085903.D
Acq: 06 Mar 2025 17:06

Tgt Ion: 63 Resp: 1043
Ion Ratio Lower Upper
63 100
65 0.0 25.1 37.7#

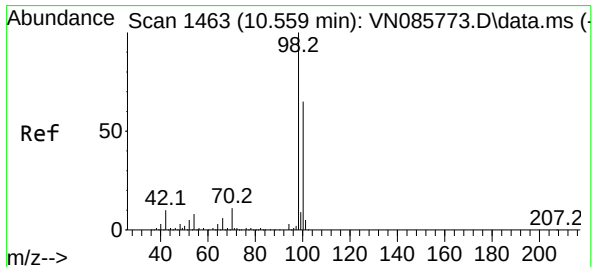
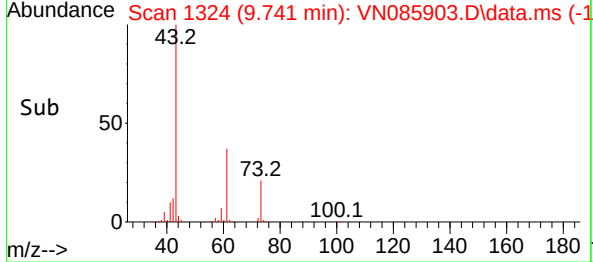
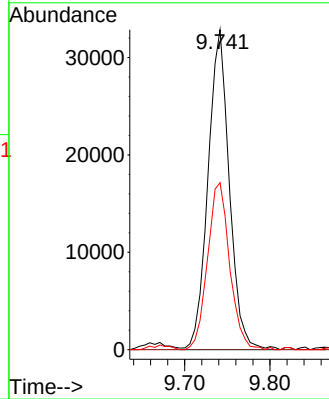
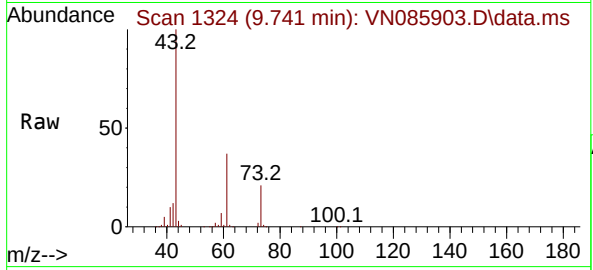




#48
Methyl methacrylate
Concen: 39.110 ug/l
RT: 9.741 min Scan# 11
Delta R.T. 0.065 min
Lab File: VN085903.D
Acq: 06 Mar 2025 17:06

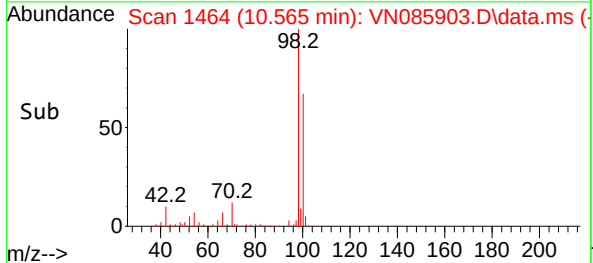
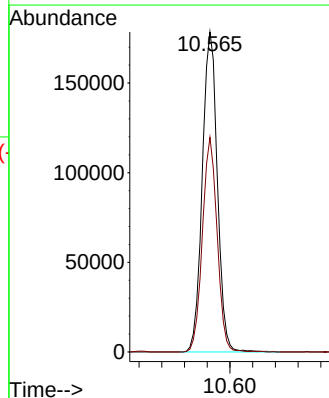
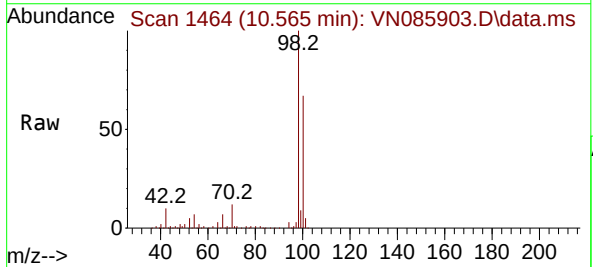
Instrument :
MSVOA_N
ClientSampleId :
PB166989ZHE#05

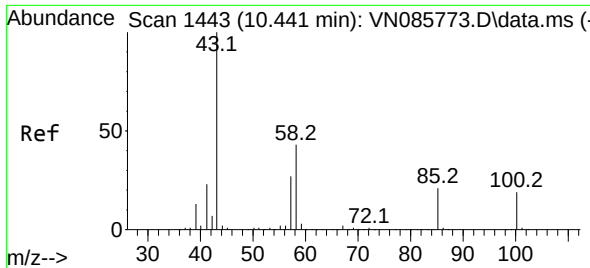
Tgt Ion: 41 Resp: 57040
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 54.2 42.3 63.5



#50
Toluene-d8
Concen: 53.492 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN085903.D
Acq: 06 Mar 2025 17:06

Tgt Ion: 98 Resp: 328155
Ion Ratio Lower Upper
98 100
100 65.5 52.1 78.1

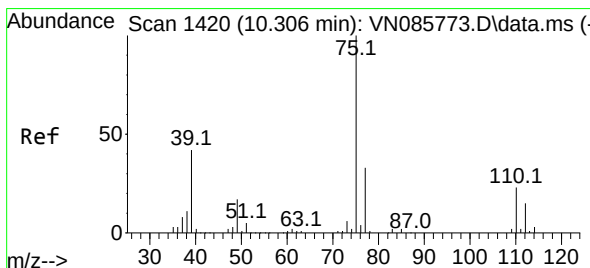
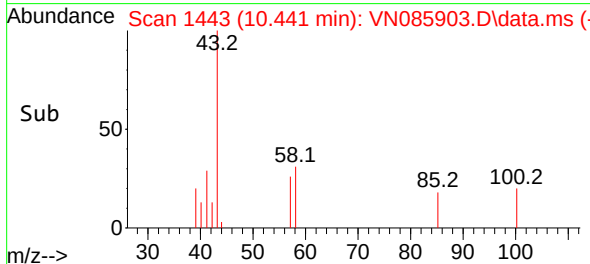
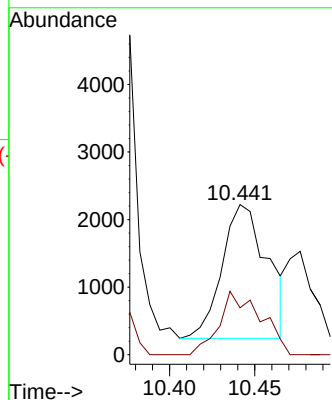
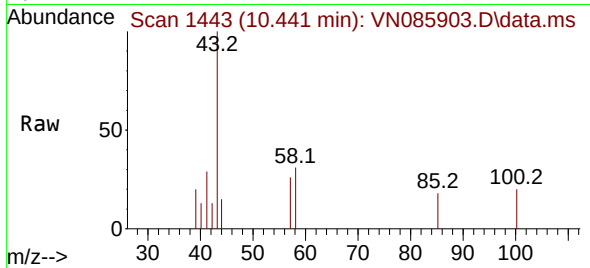




#51
4-Methyl-2-Pentanone
Concen: 1.929 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN085903.D
Acq: 06 Mar 2025 17:06

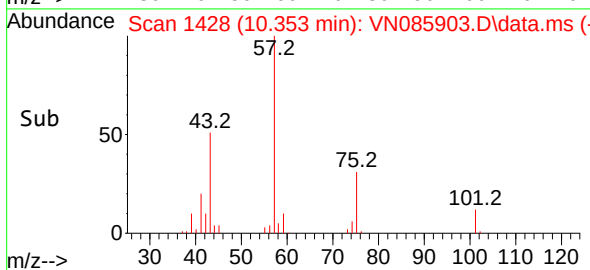
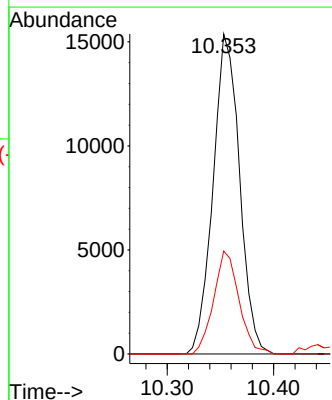
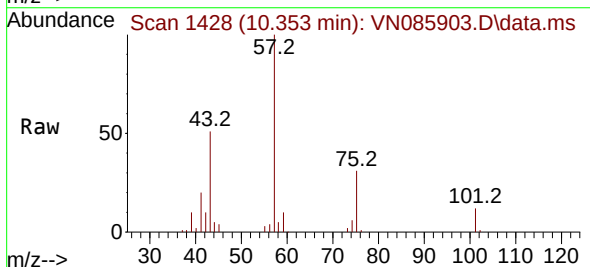
Instrument :
MSVOA_N
ClientSampleId :
PB166989ZHE#05

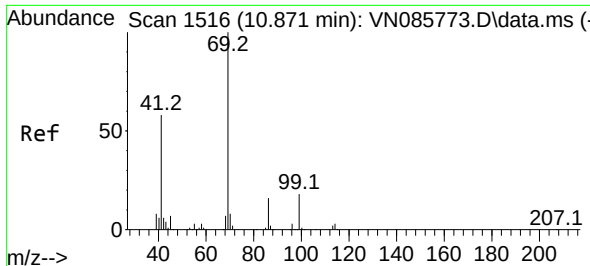
Tgt Ion: 43 Resp: 3652
Ion Ratio Lower Upper
43 100
58 43.7 34.6 52.0



#54
cis-1,3-Dichloropropene
Concen: 9.400 ug/l
RT: 10.353 min Scan# 1428
Delta R.T. 0.047 min
Lab File: VN085903.D
Acq: 06 Mar 2025 17:06

Tgt Ion: 75 Resp: 26556
Ion Ratio Lower Upper
75 100
77 0.0 26.1 39.1#
39 32.2 33.4 50.0#

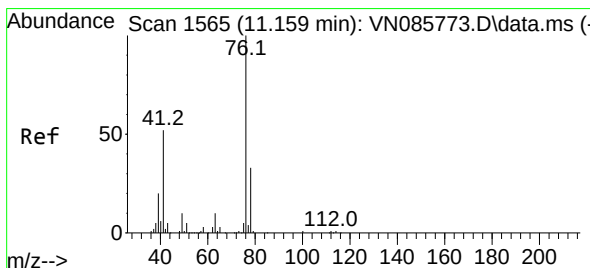
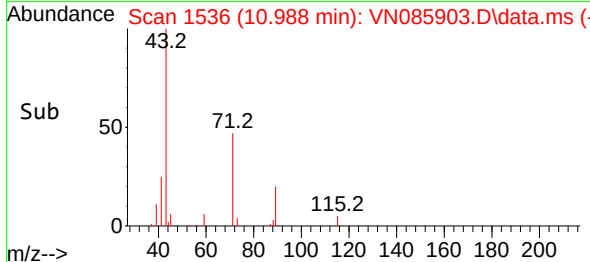
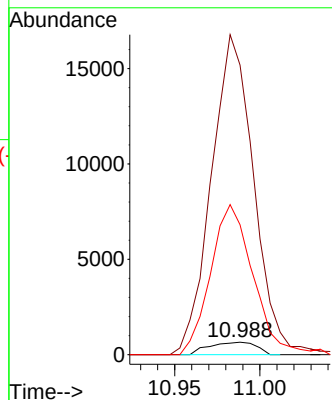
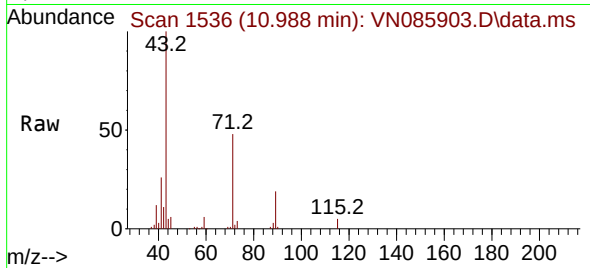




#56
Ethyl methacrylate
Concen: 1.010 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.117 min
Lab File: VN085903.D
Acq: 06 Mar 2025 17:06

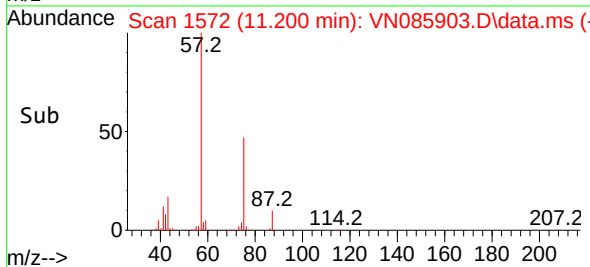
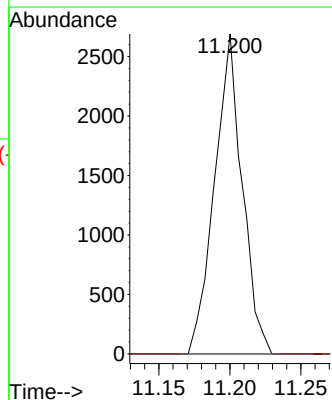
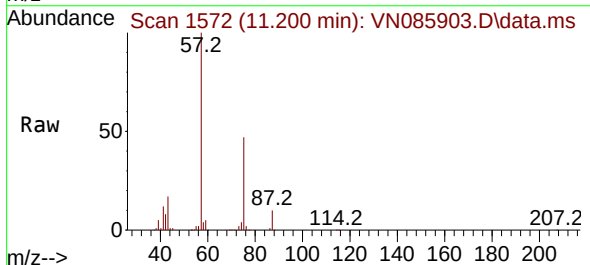
Instrument :
MSVOA_N
ClientSampleId :
PB166989ZHE#05

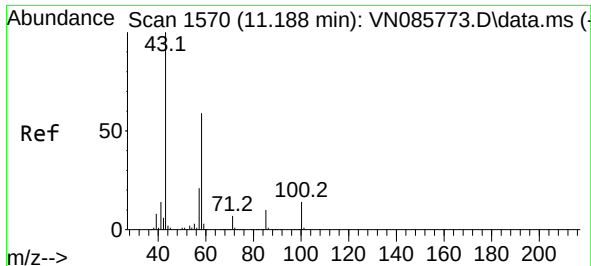
Tgt Ion: 69 Resp: 1264
Ion Ratio Lower Upper
69 100
41 2308.9 46.0 69.0#
39 1085.7 22.0 33.0#



#57
1,3-Dichloropropane
Concen: 1.222 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN085903.D
Acq: 06 Mar 2025 17:06

Tgt Ion: 76 Resp: 3635
Ion Ratio Lower Upper
76 100
78 0.0 25.9 38.9#

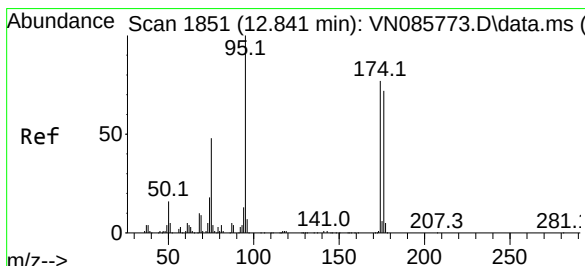
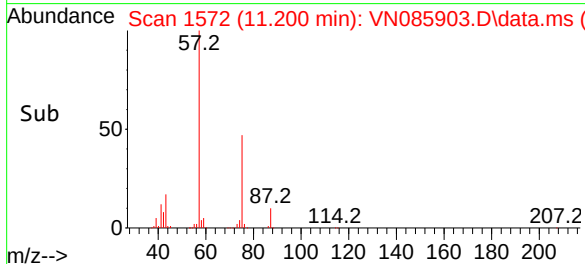
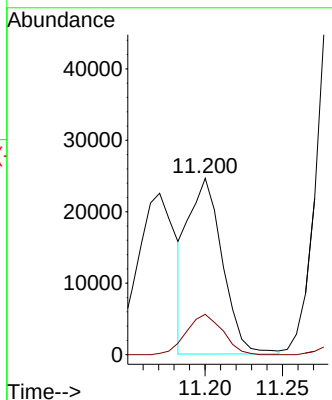
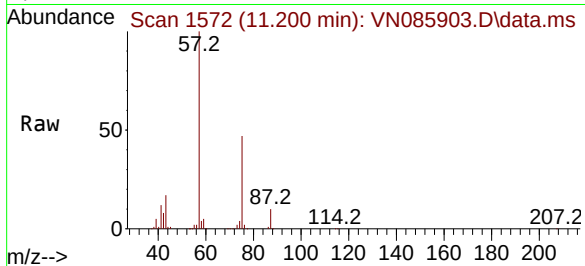




#59
2-Hexanone
Concen: 29.050 ug/l
RT: 11.200 min Scan# 111
Delta R.T. 0.012 min
Lab File: VN085903.D
Acq: 06 Mar 2025 17:06

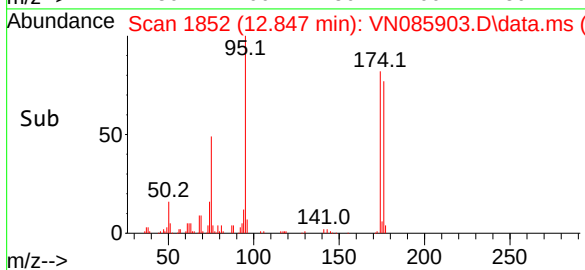
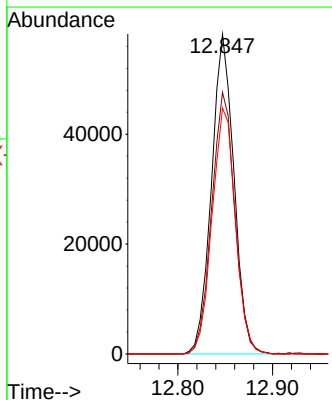
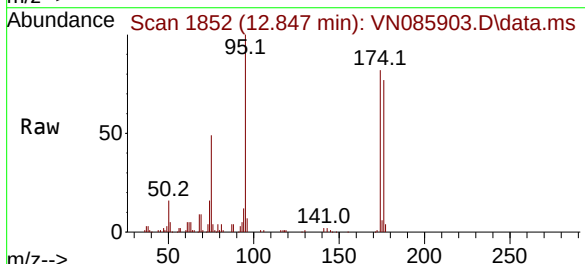
Instrument :
MSVOA_N
ClientSampleId :
PB166989ZHE#05

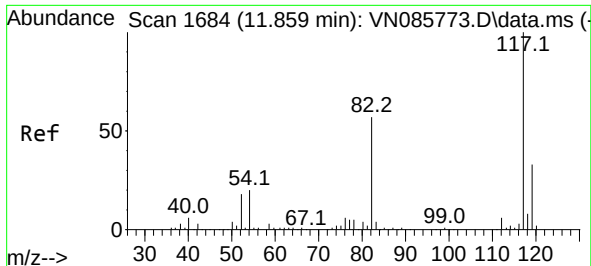
Tgt Ion: 43 Resp: 37839
Ion Ratio Lower Upper
43 100
58 24.3 29.8 89.5#



#62
4-Bromofluorobenzene
Concen: 47.349 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.006 min
Lab File: VN085903.D
Acq: 06 Mar 2025 17:06

Tgt Ion: 95 Resp: 95703
Ion Ratio Lower Upper
95 100
174 84.5 0.0 152.4
176 80.1 0.0 146.6

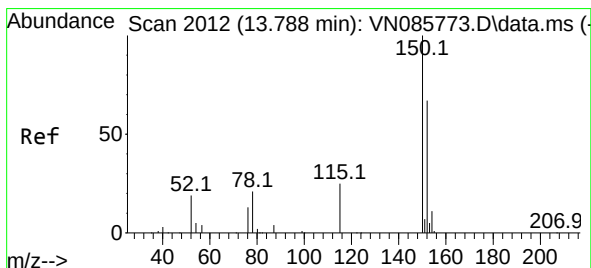
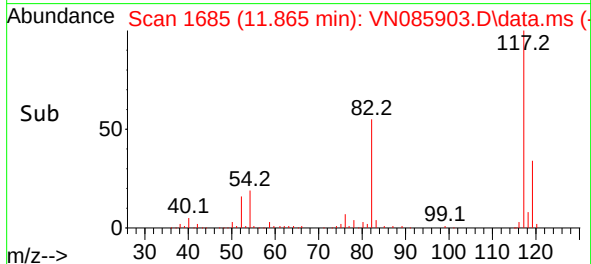
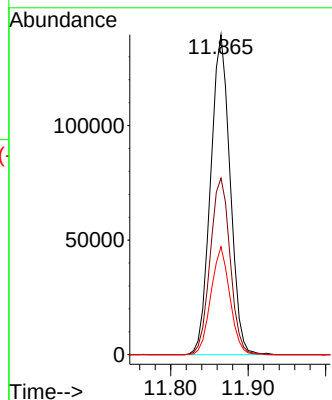
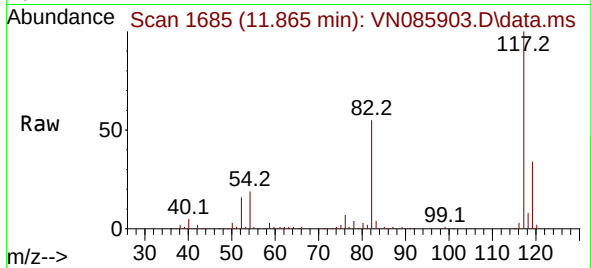




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN085903.D
Acq: 06 Mar 2025 17:06

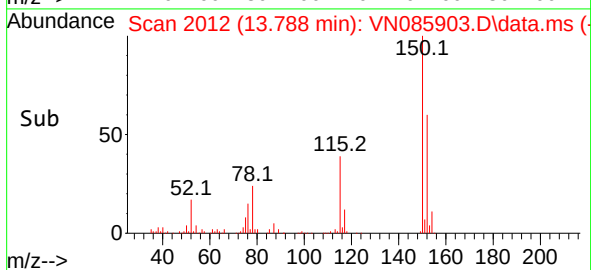
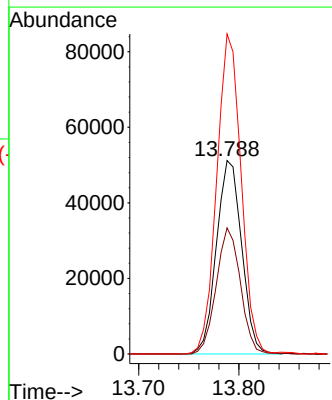
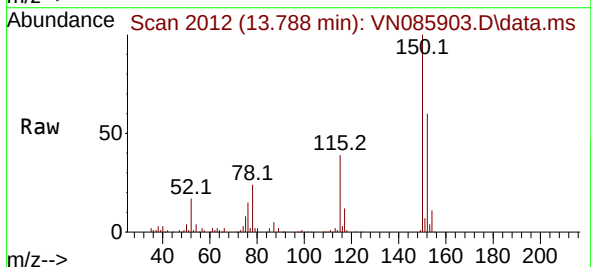
Instrument :
MSVOA_N
ClientSampleId :
PB166989ZHE#05

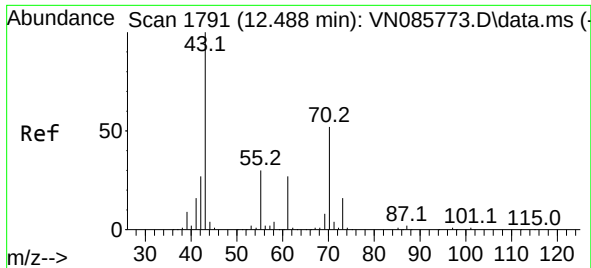
Tgt Ion:117 Resp: 244237
Ion Ratio Lower Upper
117 100
82 55.1 45.7 68.5
119 33.8 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN085903.D
Acq: 06 Mar 2025 17:06

Tgt Ion:152 Resp: 89594
Ion Ratio Lower Upper
152 100
115 62.3 30.4 91.3
150 159.5 0.0 345.4

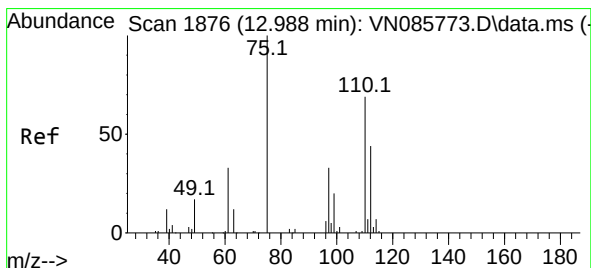
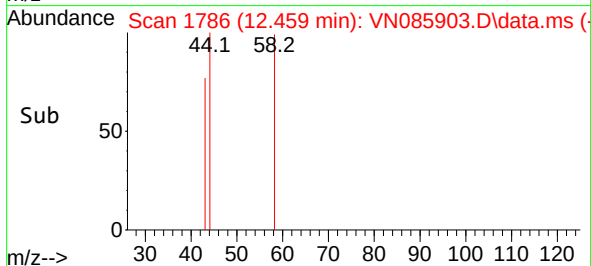
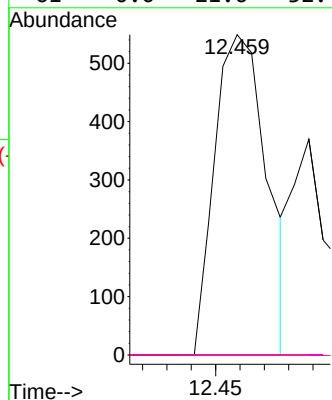
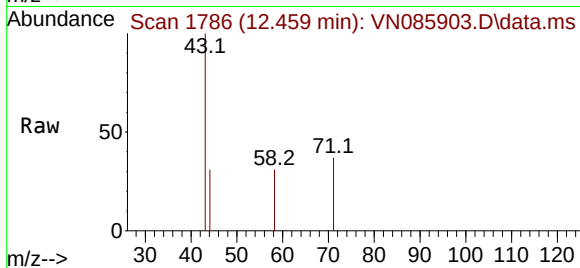




#74
N-amy1 acetate
Concen: 0.379 ug/l
RT: 12.459 min Scan# 11
Delta R.T. -0.029 min
Lab File: VN085903.D
Acq: 06 Mar 2025 17:06

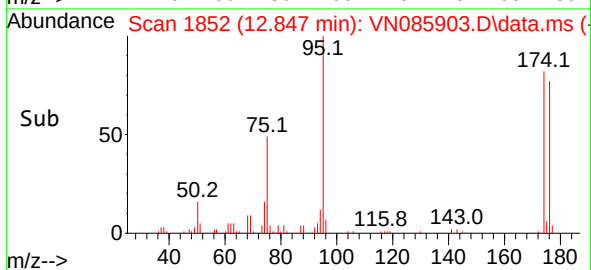
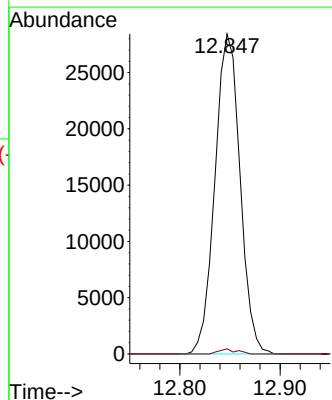
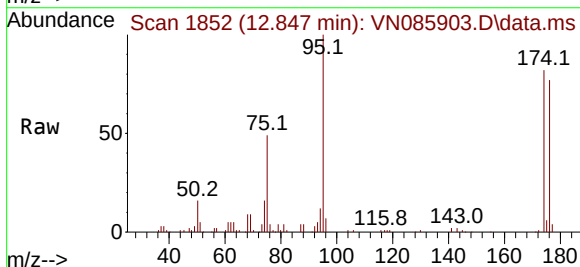
Instrument :
MSVOA_N
ClientSampleId :
PB166989ZHE#05

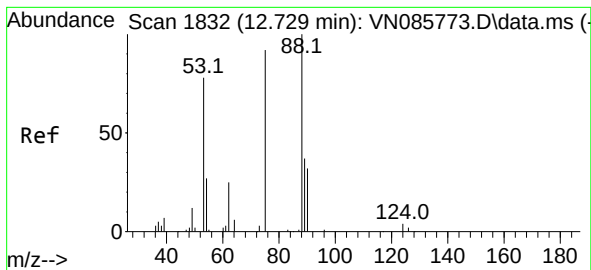
Tgt Ion: 43	Resp:	821
Ion Ratio	Lower	Upper
43 100		
70 0.0	41.0	61.4#
55 0.0	24.6	36.8#
61 0.0	21.6	32.4#



#76
1,2,3-Trichloropropane
Concen: 24.838 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN085903.D
Acq: 06 Mar 2025 17:06

Tgt Ion: 75	Resp:	49432	
Ion Ratio	Lower	Upper	
75	100		
77	1.1	100.0	300.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 72.471 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN085903.D
 Acq: 06 Mar 2025 17:06

Instrument :
 MSVOA_N
 ClientSampleId :
 PB166989ZHE#05

Tgt Ion: 75 Resp: 49432
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.2 111.4#
 89 0.0 34.9 52.3#

