

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030625\
 Data File : VN085906.D
 Acq On : 06 Mar 2025 18:19
 Operator : JC\MD
 Sample : PB166989ZHE#08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB166989ZHE#08

Quant Time: Mar 07 00:43:04 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)

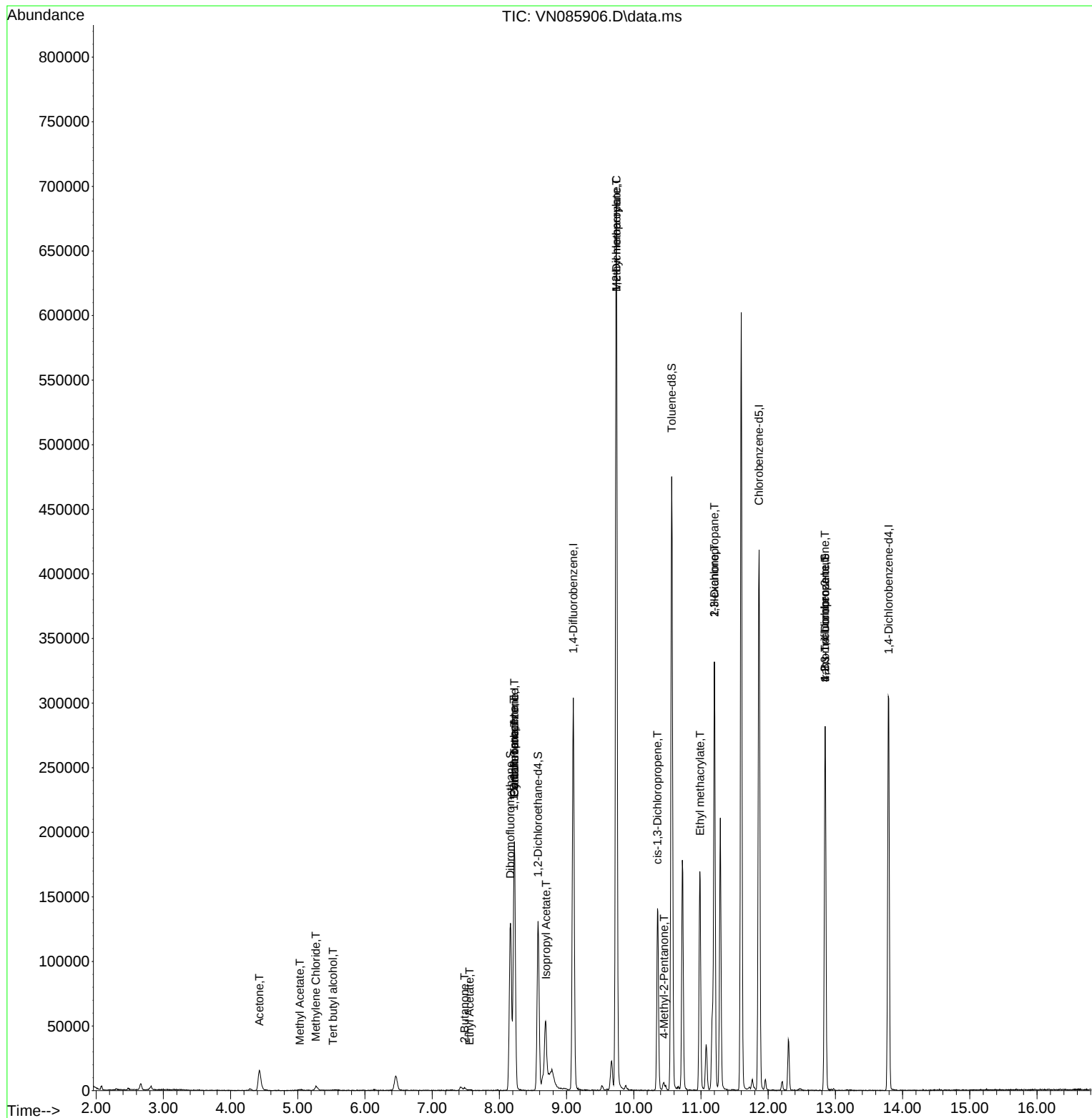
Internal Standards						
1) Pentafluorobenzene	8.224	168	140428	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	262794	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	251407	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	90477	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	109028	59.886	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	=	119.780%	
35) Dibromofluoromethane	8.165	113	94747	55.098	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	110.200%	
50) Toluene-d8	10.565	98	337943	54.015	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	=	108.040%	
62) 4-Bromofluorobenzene	12.847	95	100647	48.826	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	=	97.660%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.524	59	270	1.206	ug/l #	72
16) Acetone	4.430	43	28581	49.614	ug/l	90
18) Methyl Acetate	5.030	43	1977	0.998	ug/l #	55
20) Methylene Chloride	5.271	84	2682	1.448	ug/l	88
25) 2-Butanone	7.482	43	3347	3.949	ug/l	95
31) Cyclohexane	8.224	56	2949	1.134	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	11245	4.621	ug/l #	50
37) Ethyl Acetate	7.559	43	1399	0.699	ug/l #	66
38) Carbon Tetrachloride	8.224	117	15185	5.251	ug/l #	19
43) Isopropyl Acetate	8.694	43	69729	19.505	ug/l #	83
45) 1,2-Dichloropropane	9.741	63	884	0.470	ug/l #	43
48) Methyl methacrylate	9.741	41	59681	40.125	ug/l #	37
51) 4-Methyl-2-Pentanone	10.453	43	6530	3.382	ug/l #	78
54) cis-1,3-Dichloropropene	10.353	75	27678	9.607	ug/l #	62
56) Ethyl methacrylate	10.988	69	1375	1.046	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	3873	1.276	ug/l #	42
59) 2-Hexanone	11.200	43	40167	30.237	ug/l #	53
76) 1,2,3-Trichloropropane	12.847	75	50657	25.205	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	50657	73.542	ug/l #	12

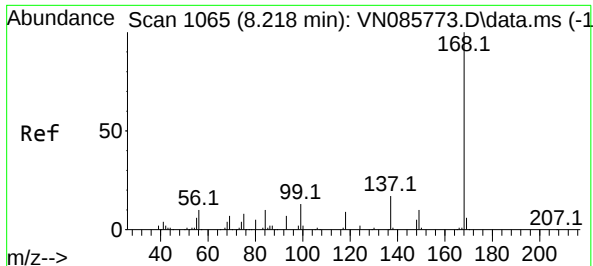
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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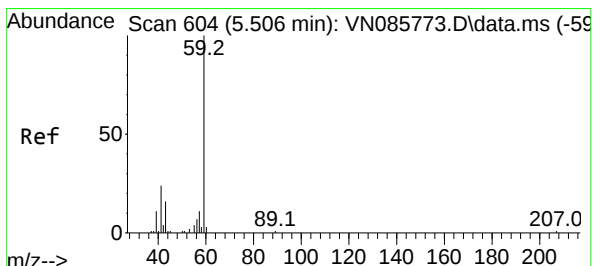
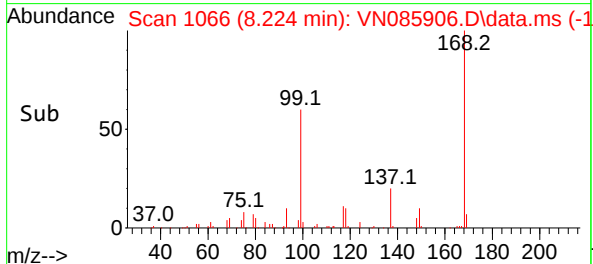
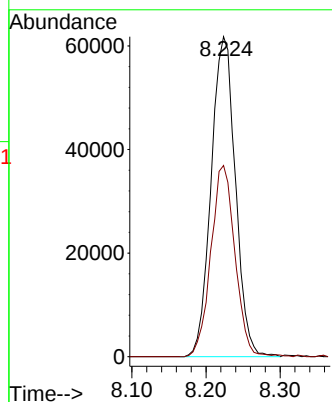
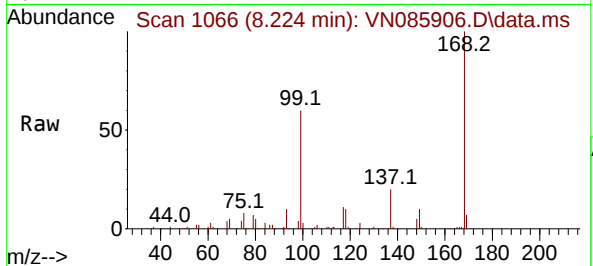




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085906.D
Acq: 06 Mar 2025 18:19

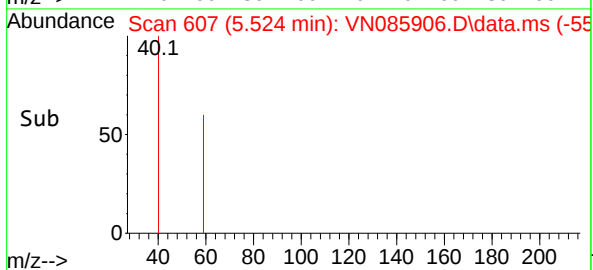
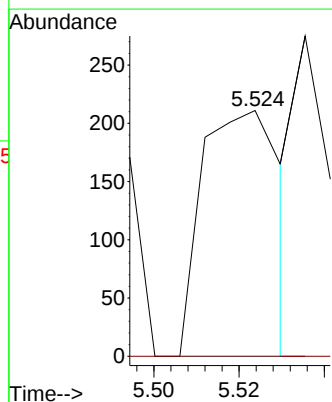
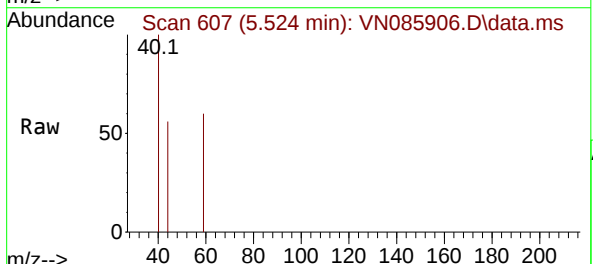
Instrument :
MSVOA_N
ClientSampleId :
PB166989ZHE#08

Tgt Ion:168 Resp: 140428
Ion Ratio Lower Upper
168 100
99 59.8 47.9 71.9



#11
Tert butyl alcohol
Concen: 1.206 ug/l
RT: 5.524 min Scan# 607
Delta R.T. 0.018 min
Lab File: VN085906.D
Acq: 06 Mar 2025 18:19

Tgt Ion: 59 Resp: 270
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

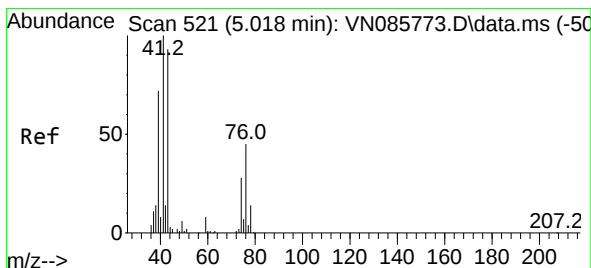
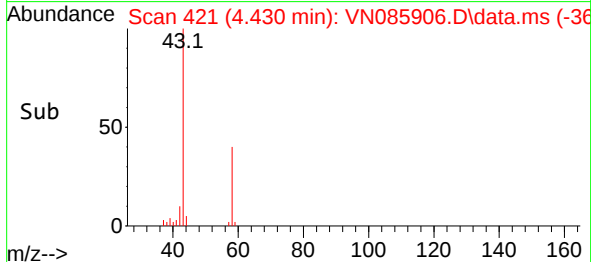
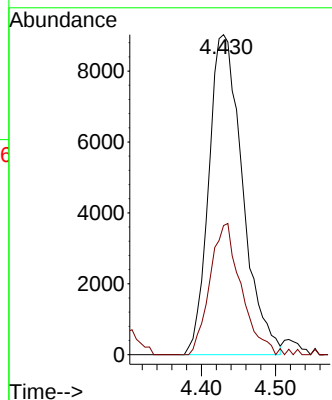
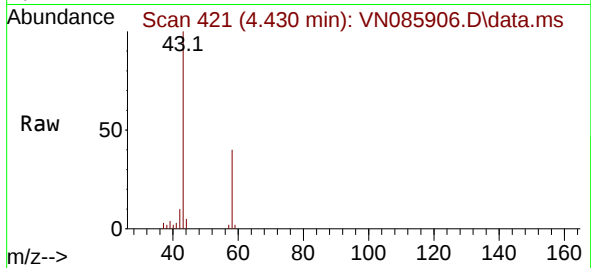




#16
Acetone
Concen: 49.614 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN085906.D
Acq: 06 Mar 2025 18:19

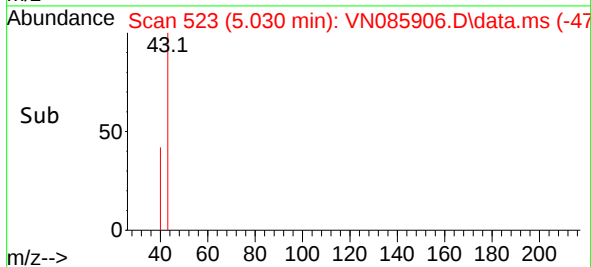
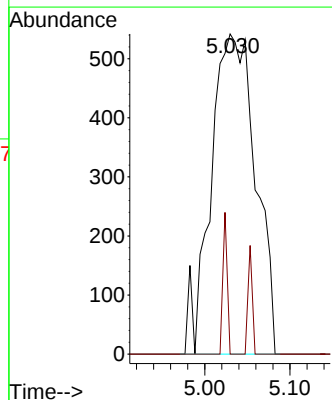
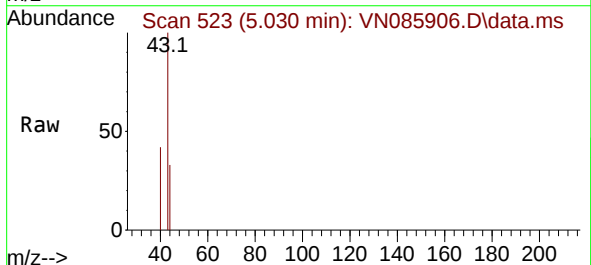
Instrument :
MSVOA_N
ClientSampleId :
PB166989ZHE#08

Tgt Ion: 43 Resp: 28581
Ion Ratio Lower Upper
43 100
58 40.4 27.5 41.3



#18
Methyl Acetate
Concen: 0.998 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN085906.D
Acq: 06 Mar 2025 18:19

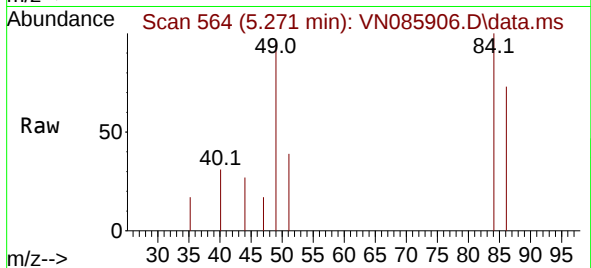
Tgt Ion: 43 Resp: 1977
Ion Ratio Lower Upper
43 100
74 4.3 22.2 33.4#



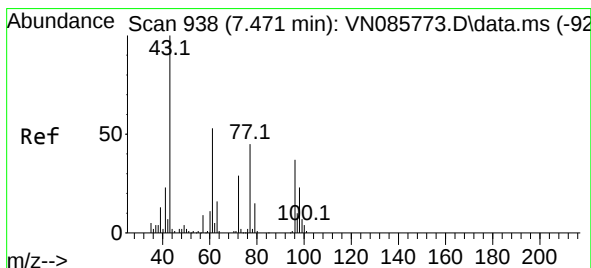
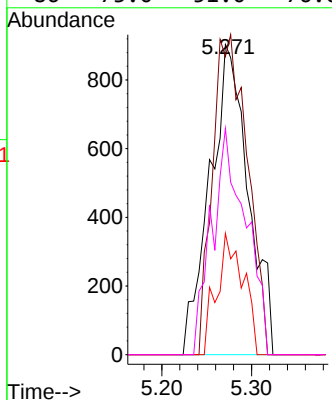


#20
Methylene Chloride
Concen: 1.448 ug/l
RT: 5.271 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN085906.D
Acq: 06 Mar 2025 18:19

Instrument :
MSVOA_N
ClientSampleId :
PB166989ZHE#08

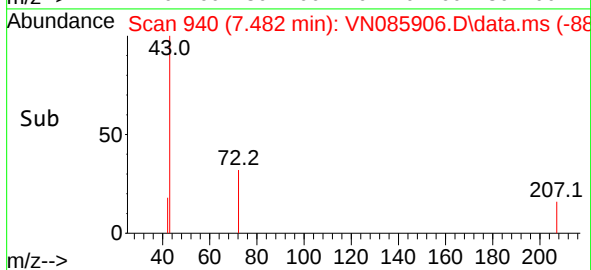
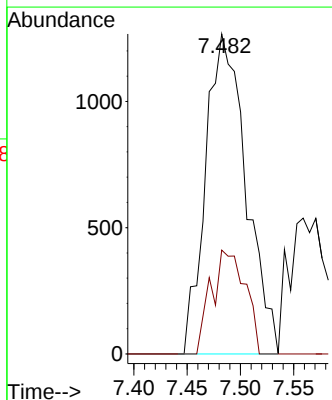
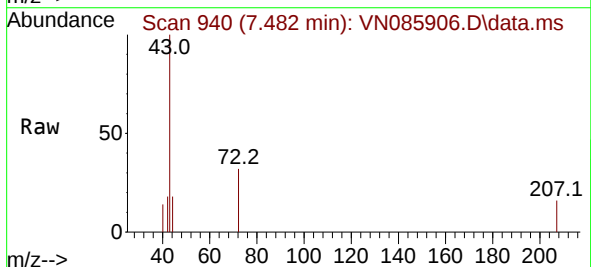


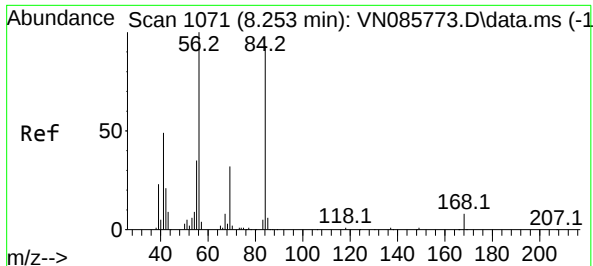
Tgt Ion: 84	Resp: 2682
Ion Ratio	Lower Upper
84 100	
49 96.1	88.4 132.6
51 39.1	26.6 40.0
86 73.0	51.0 76.6



#25
2-Butanone
Concen: 3.949 ug/l
RT: 7.482 min Scan# 940
Delta R.T. 0.012 min
Lab File: VN085906.D
Acq: 06 Mar 2025 18:19

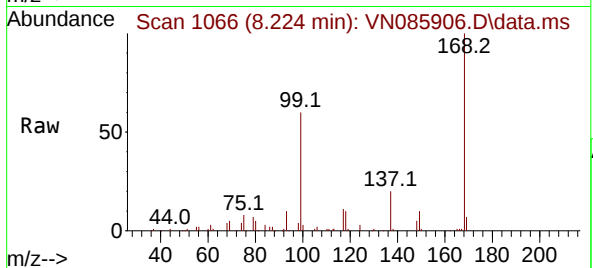
Tgt Ion: 43	Resp: 3347
Ion Ratio	Lower Upper
43 100	
72 32.4	23.6 35.4



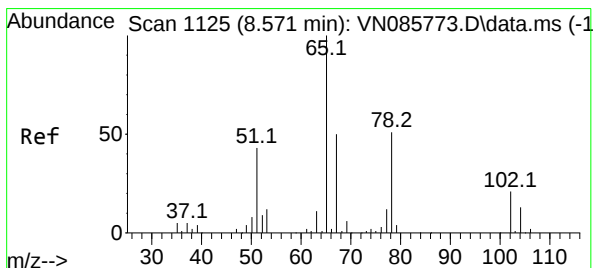
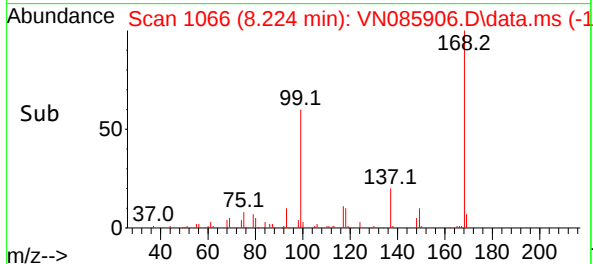
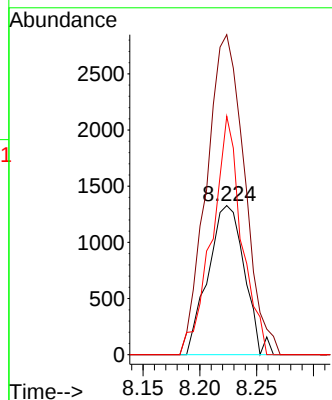


#31
Cyclohexane
Concen: 1.134 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.030 min
Lab File: VN085906.D
Acq: 06 Mar 2025 18:19

Instrument :
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ClientSampleId :
PB166989ZHE#08

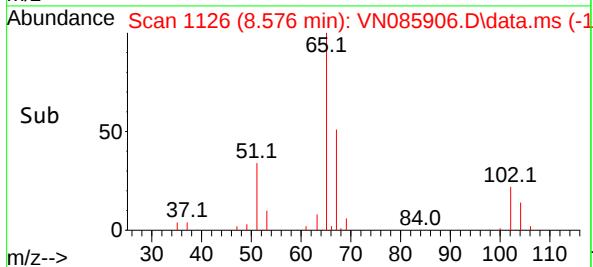
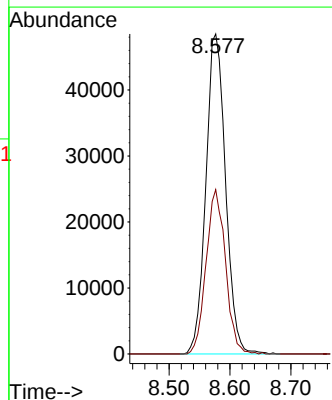
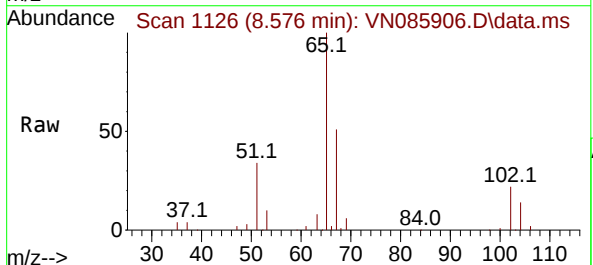


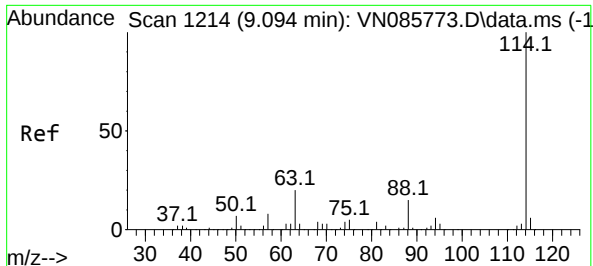
Tgt Ion: 56 Resp: 2949
Ion Ratio Lower Upper
56 100
69 214.5 25.8 38.6#
84 159.8 74.5 111.7#



#33
1,2-Dichloroethane-d4
Concen: 59.886 ug/l
RT: 8.576 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085906.D
Acq: 06 Mar 2025 18:19

Tgt Ion: 65 Resp: 109028
Ion Ratio Lower Upper
65 100
67 50.7 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: VN085906.D

Acq: 06 Mar 2025 18:19

Instrument :

MSVOA_N

ClientSampleId :

PB166989ZHE#08

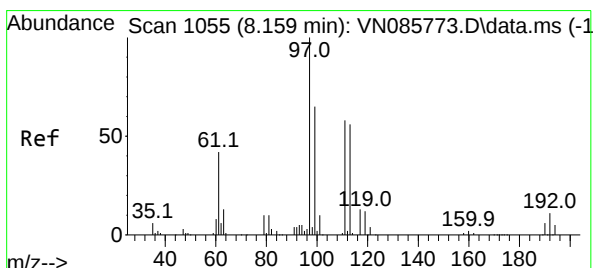
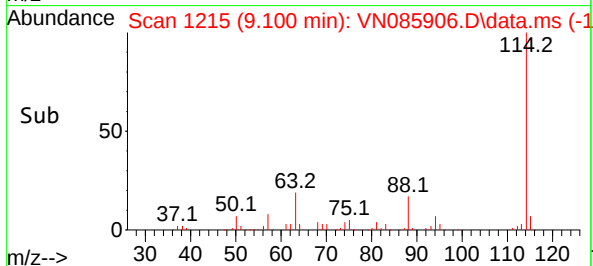
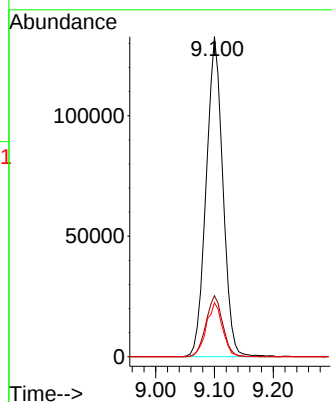
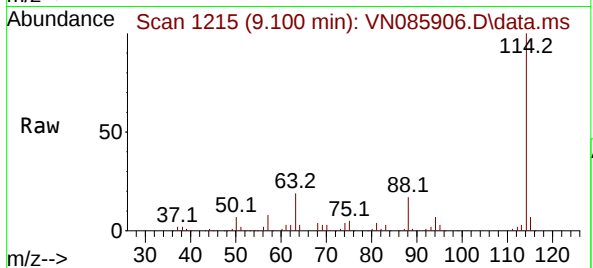
Tgt Ion:114 Resp: 262794

Ion Ratio Lower Upper

114 100

63 19.0 0.0 39.2

88 16.9 0.0 30.0



#35

Dibromofluoromethane

Concen: 55.098 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085906.D

Acq: 06 Mar 2025 18:19

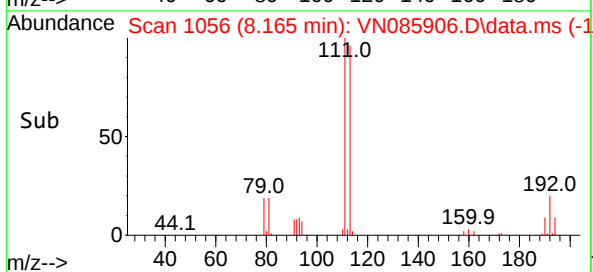
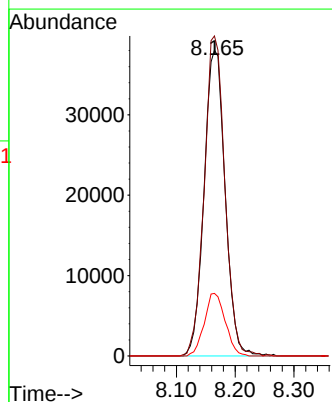
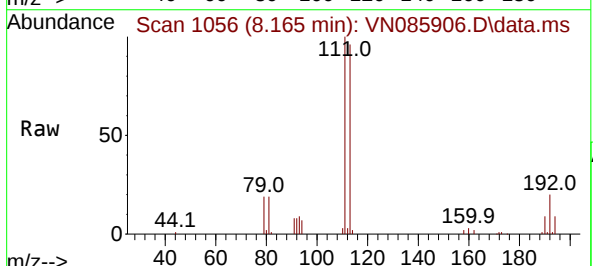
Tgt Ion:113 Resp: 94747

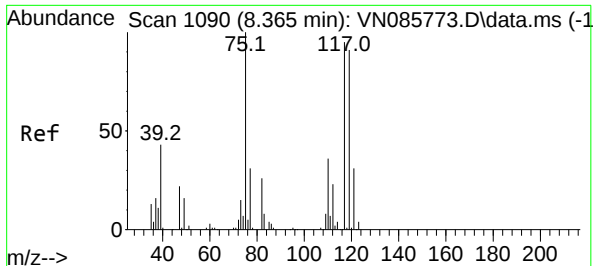
Ion Ratio Lower Upper

113 100

111 102.5 82.2 123.4

192 20.3 14.7 22.1





#36

1,1-Dichloropropene

Concen: 4.621 ug/l

RT: 8.218 min Scan# 1

Delta R.T. -0.147 min

Lab File: VN085906.D

Acq: 06 Mar 2025 18:19

Instrument :

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ClientSampleId :

PB166989ZHE#08

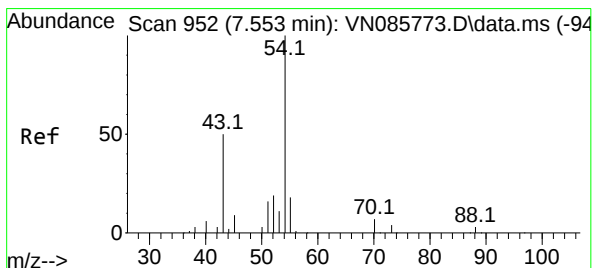
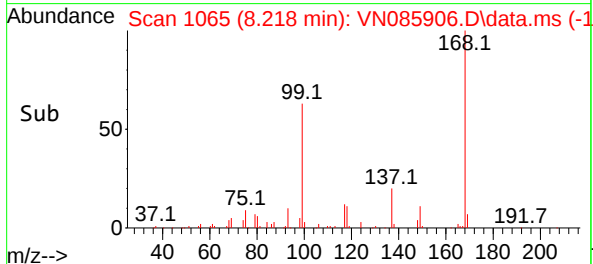
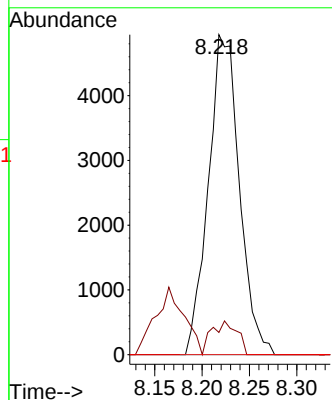
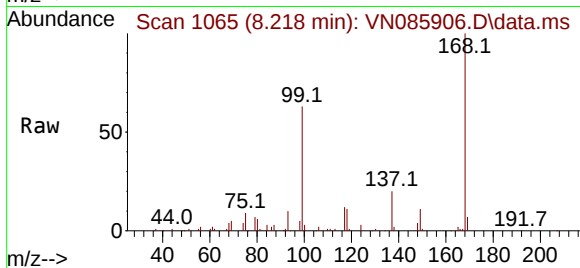
Tgt Ion: 75 Resp: 11245

Ion Ratio Lower Upper

75 100

110 8.6 17.3 52.0#

77 0.0 24.6 37.0#



#37

Ethyl Acetate

Concen: 0.699 ug/l

RT: 7.559 min Scan# 953

Delta R.T. 0.006 min

Lab File: VN085906.D

Acq: 06 Mar 2025 18:19

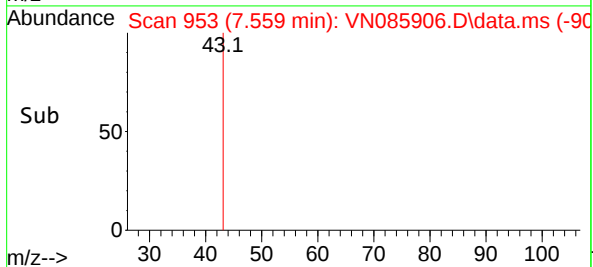
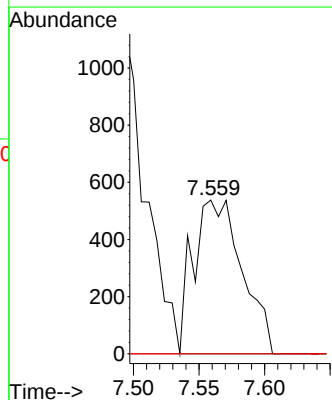
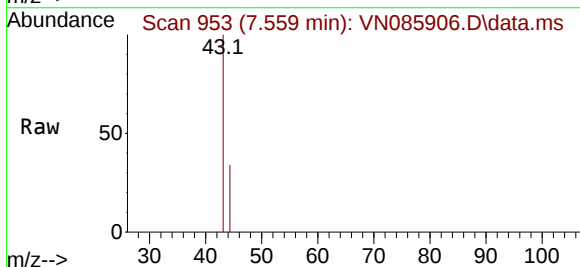
Tgt Ion: 43 Resp: 1399

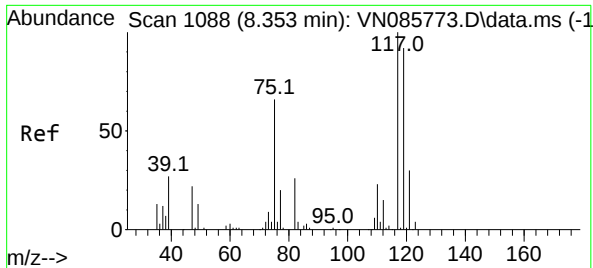
Ion Ratio Lower Upper

43 100

61 0.0 12.2 18.2#

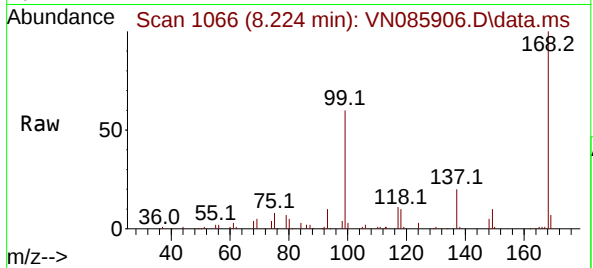
70 0.0 9.5 14.3#



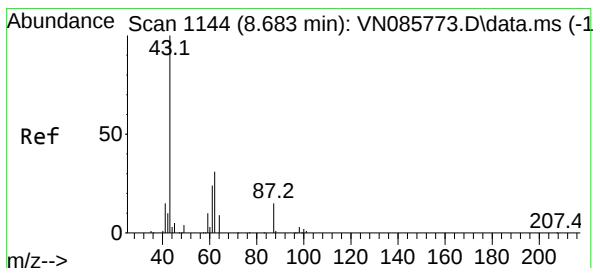
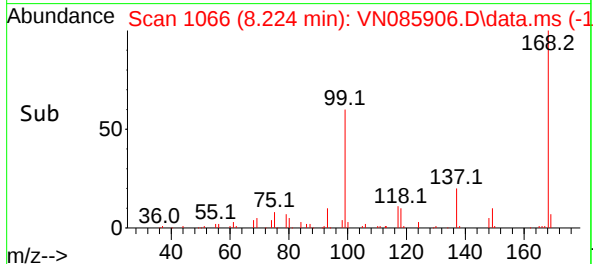
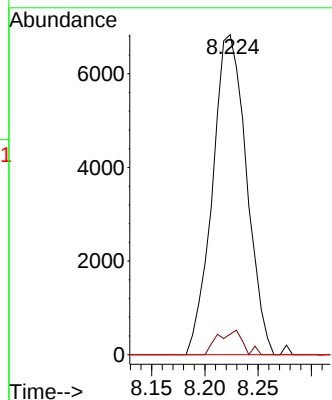


#38
Carbon Tetrachloride
Concen: 5.251 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.130 min
Lab File: VN085906.D
Acq: 06 Mar 2025 18:19

Instrument :
MSVOA_N
ClientSampleId :
PB166989ZHE#08

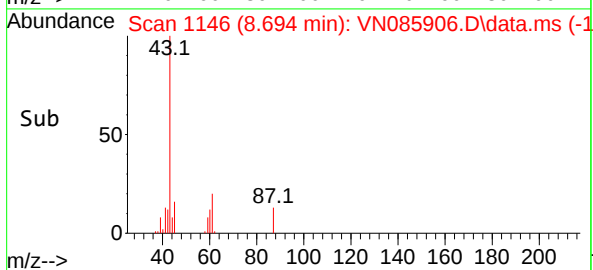
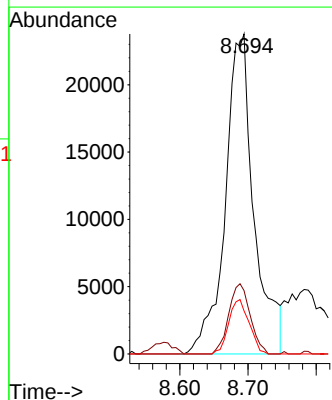
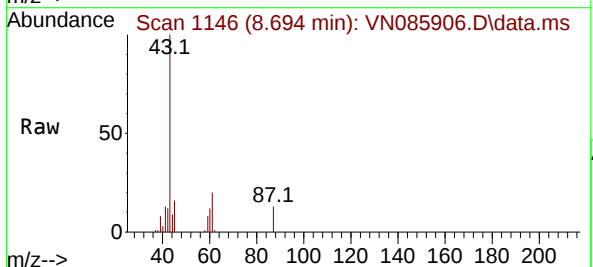


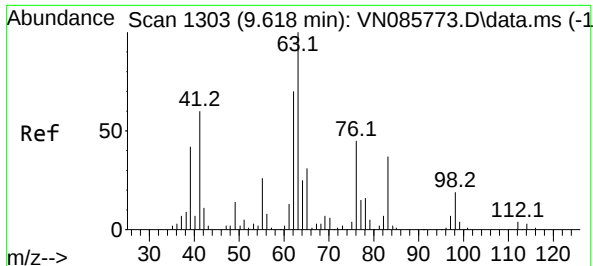
Tgt Ion:117 Resp: 15185
Ion Ratio Lower Upper
117 100
119 6.4 73.8 110.6#
121 0.0 24.3 36.5#



#43
Isopropyl Acetate
Concen: 19.505 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.011 min
Lab File: VN085906.D
Acq: 06 Mar 2025 18:19

Tgt Ion: 43 Resp: 69729
Ion Ratio Lower Upper
43 100
61 16.4 22.6 34.0#
87 12.1 11.8 17.8





#45

1,2-Dichloropropane

Concen: 0.470 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.123 min

Lab File: VN085906.D

Acq: 06 Mar 2025 18:19

Instrument :

MSVOA_N

ClientSampleId :

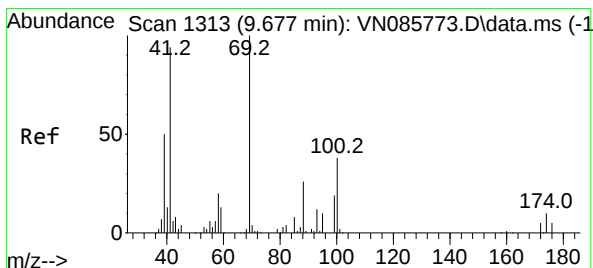
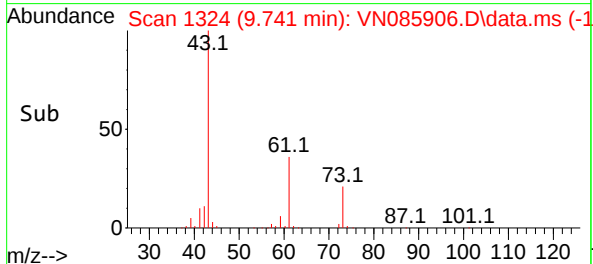
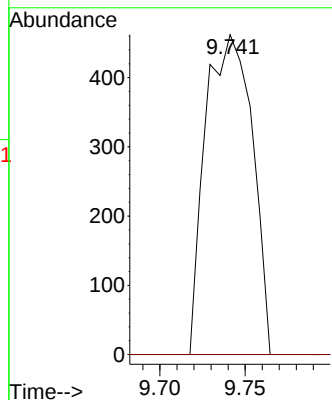
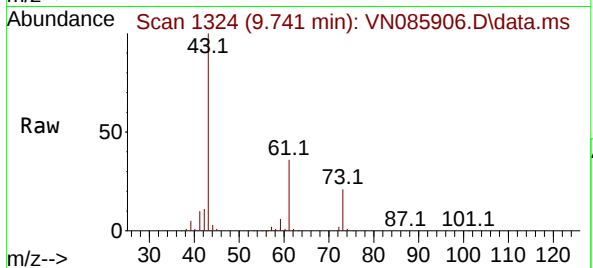
PB166989ZHE#08

Tgt Ion: 63 Resp: 884

Ion Ratio Lower Upper

63 100

65 0.0 25.1 37.7#



#48

Methyl methacrylate

Concen: 40.125 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.065 min

Lab File: VN085906.D

Acq: 06 Mar 2025 18:19

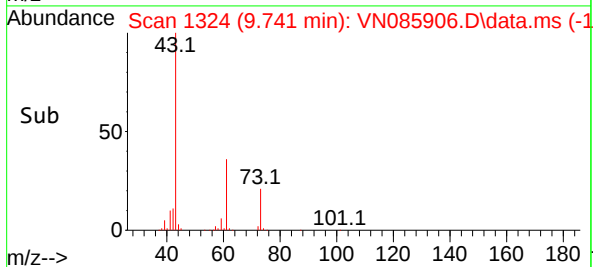
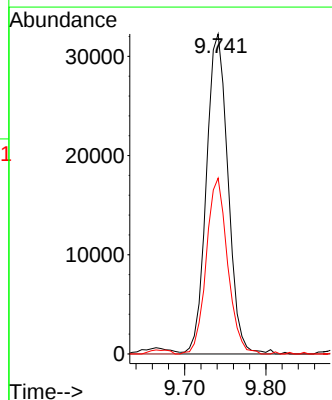
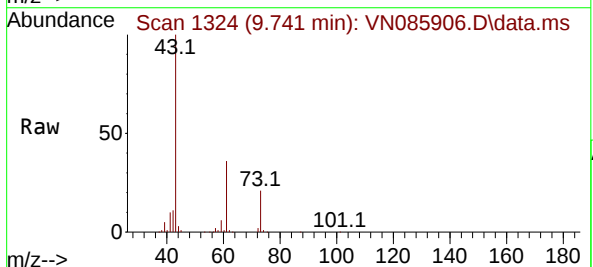
Tgt Ion: 41 Resp: 59681

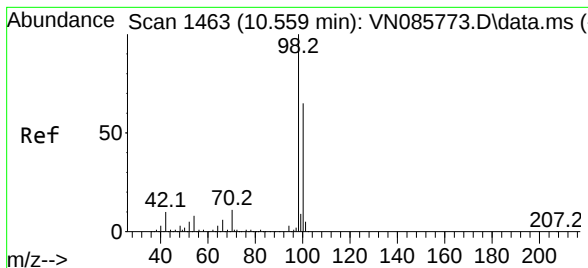
Ion Ratio Lower Upper

41 100

69 0.0 76.0 114.0#

39 54.0 42.3 63.5

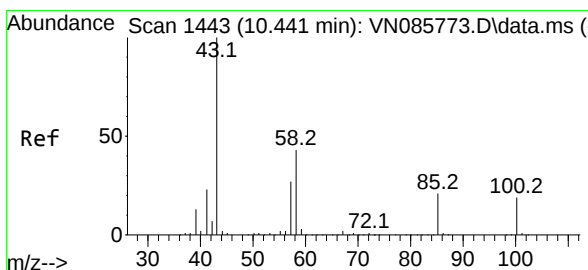
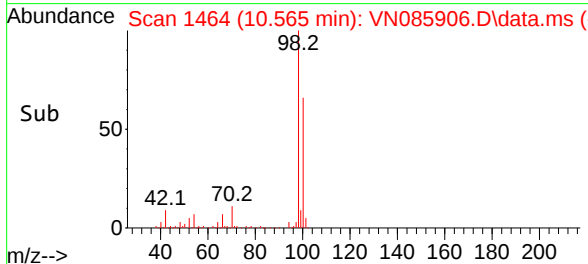
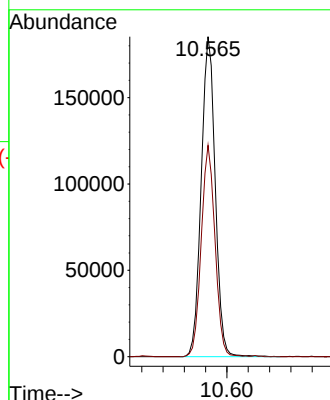
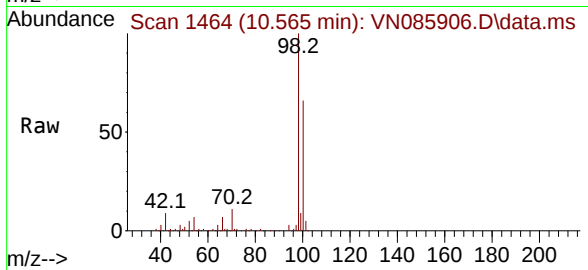




#50
Toluene-d8
Concen: 54.015 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN085906.D
Acq: 06 Mar 2025 18:19

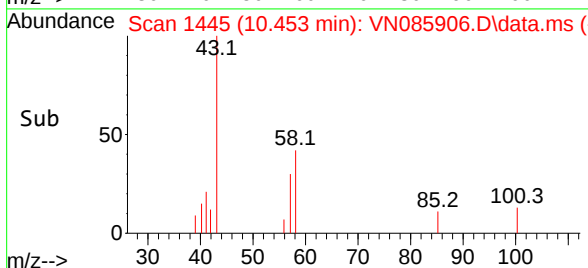
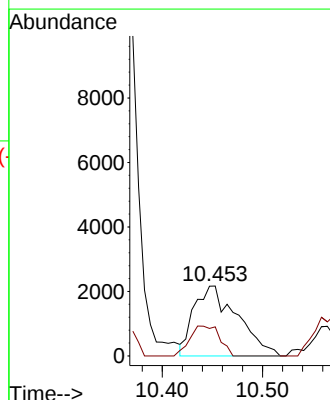
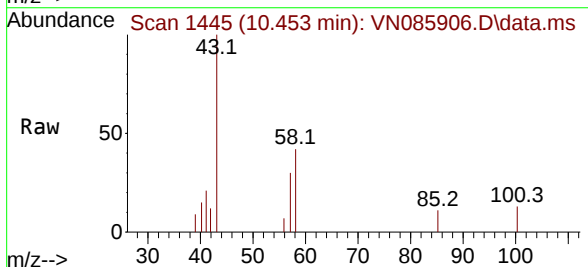
Instrument :
MSVOA_N
ClientSampleId :
PB166989ZHE#08

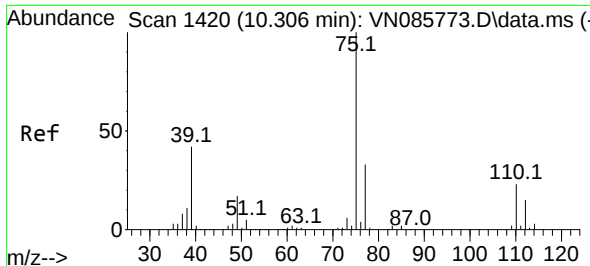
Tgt Ion: 98 Resp: 337943
Ion Ratio Lower Upper
98 100
100 64.9 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 3.382 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.012 min
Lab File: VN085906.D
Acq: 06 Mar 2025 18:19

Tgt Ion: 43 Resp: 6530
Ion Ratio Lower Upper
43 100
58 29.4 34.6 52.0#

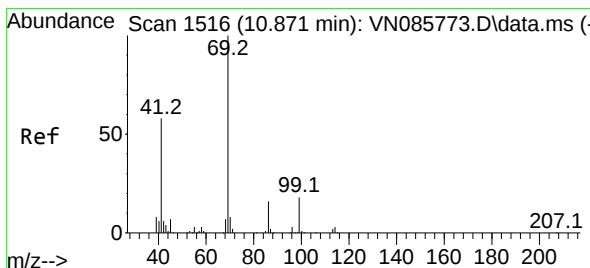
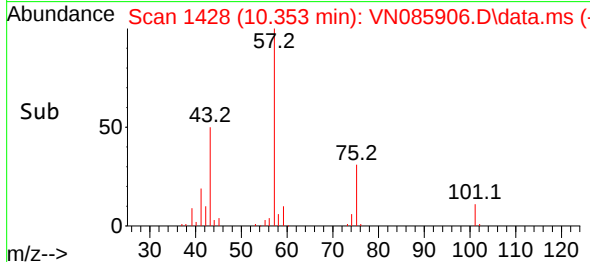
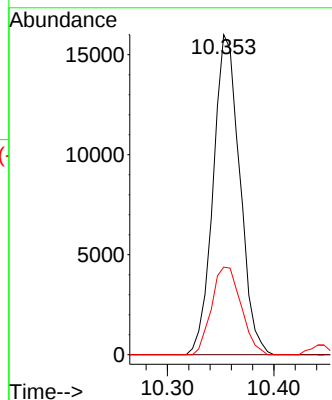
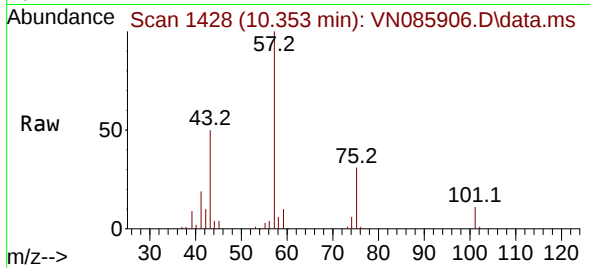




#54
 cis-1,3-Dichloropropene
 Concen: 9.607 ug/l
 RT: 10.353 min Scan# 1428
 Delta R.T. 0.047 min
 Lab File: VN085906.D
 Acq: 06 Mar 2025 18:19

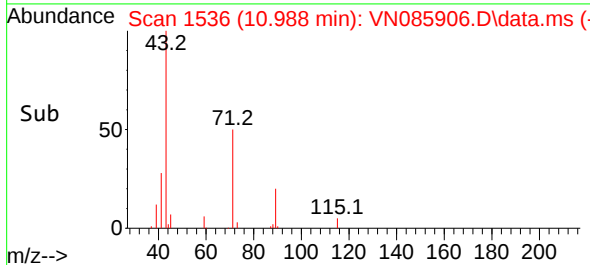
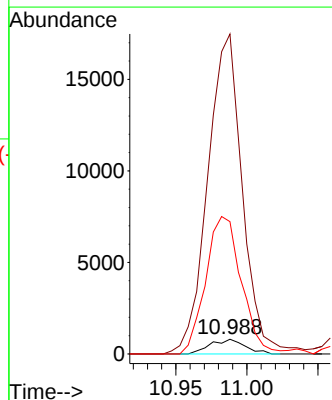
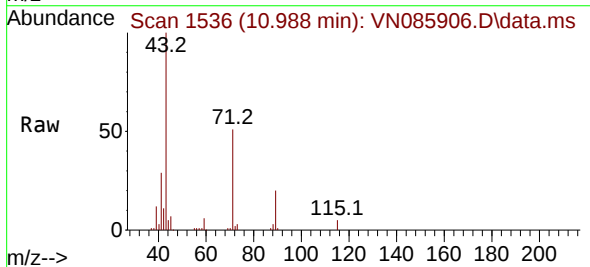
Instrument :
 MSVOA_N
 ClientSampleId :
 PB166989ZHE#08

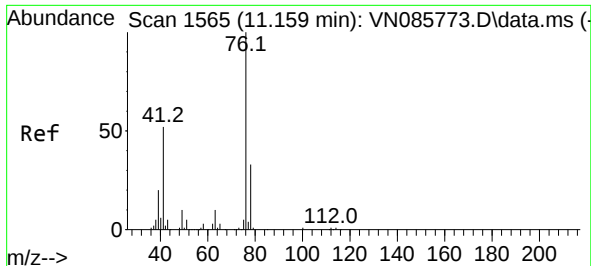
Tgt Ion: 75 Resp: 27678
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.1 39.1#
 39 27.3 33.4 50.0#



#56
 Ethyl methacrylate
 Concen: 1.046 ug/l
 RT: 10.988 min Scan# 1536
 Delta R.T. 0.117 min
 Lab File: VN085906.D
 Acq: 06 Mar 2025 18:19

Tgt Ion: 69 Resp: 1375
 Ion Ratio Lower Upper
 69 100
 41 2163.3 46.0 69.0#
 39 951.1 22.0 33.0#





#57

1,3-Dichloropropane

Concen: 1.276 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.041 min

Lab File: VN085906.D

Acq: 06 Mar 2025 18:19

Instrument :

MSVOA_N

ClientSampleId :

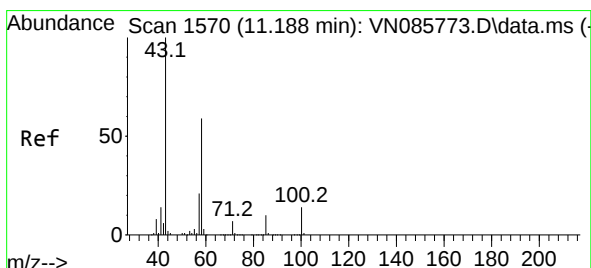
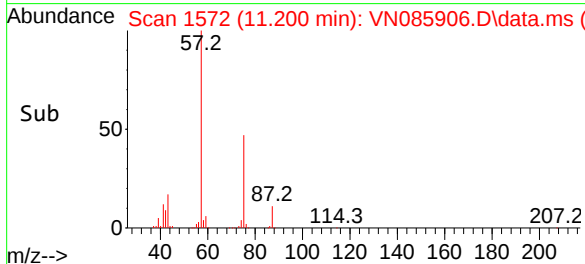
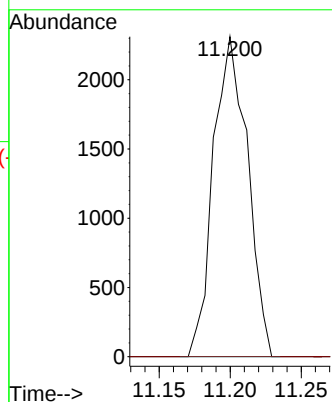
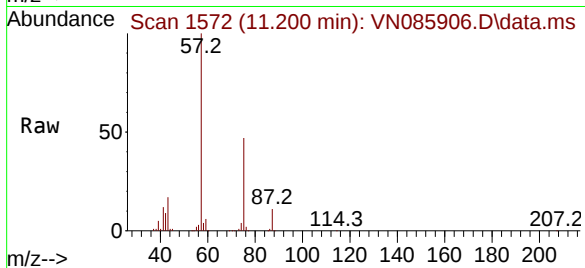
PB166989ZHE#08

Tgt Ion: 76 Resp: 3873

Ion Ratio Lower Upper

76 100

78 0.0 25.9 38.9#



#59

2-Hexanone

Concen: 30.237 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.012 min

Lab File: VN085906.D

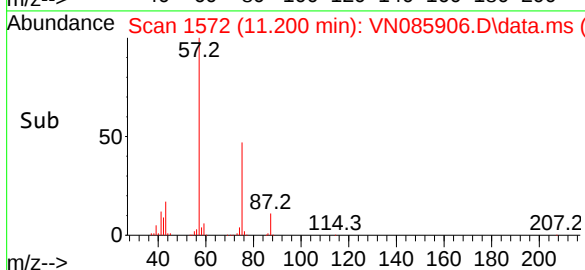
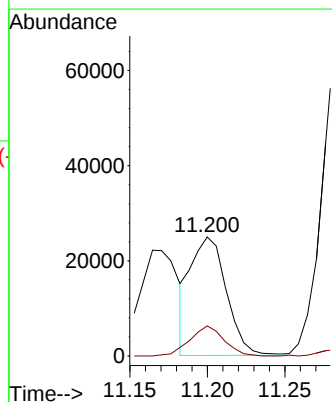
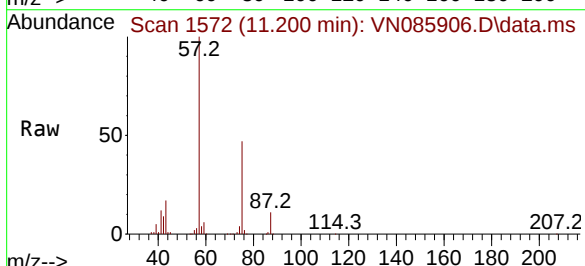
Acq: 06 Mar 2025 18:19

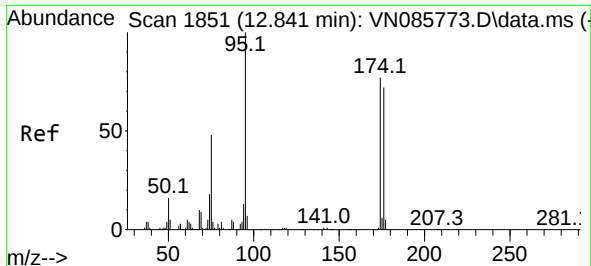
Tgt Ion: 43 Resp: 40167

Ion Ratio Lower Upper

43 100

58 24.0 29.8 89.5#

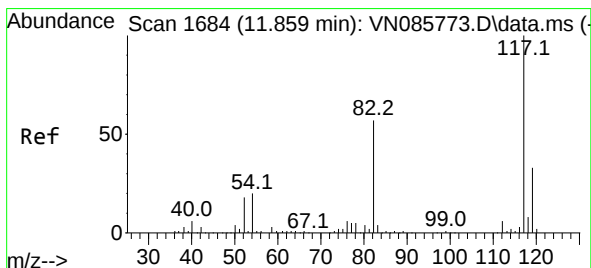
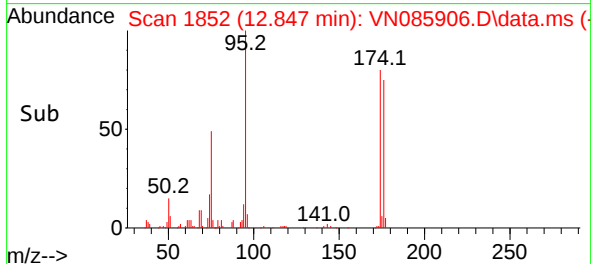
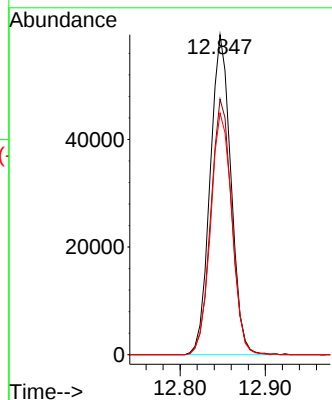
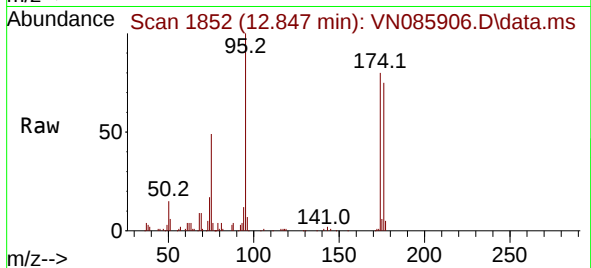




#62
4-Bromofluorobenzene
Concen: 48.826 ug/l
RT: 12.847 min Scan# 1851
Delta R.T. 0.006 min
Lab File: VN085906.D
Acq: 06 Mar 2025 18:19

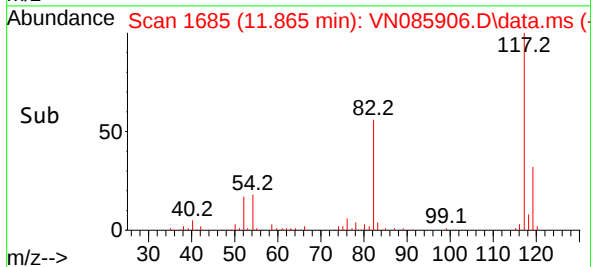
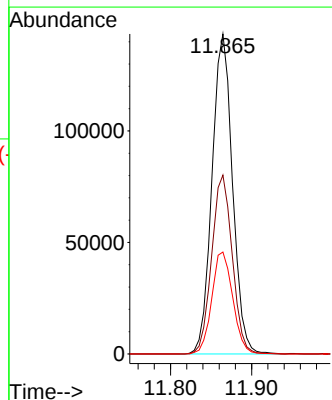
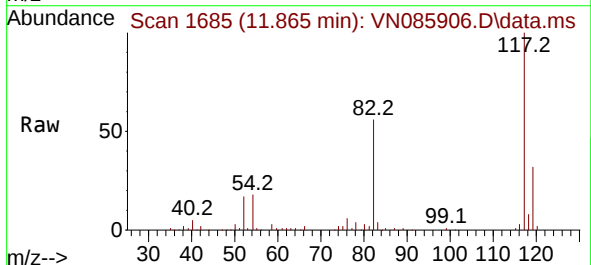
Instrument :
MSVOA_N
ClientSampleId :
PB166989ZHE#08

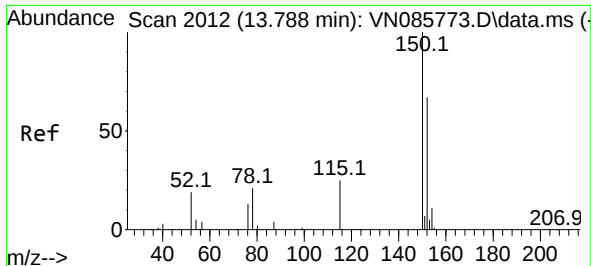
Tgt Ion: 95 Resp: 100647
Ion Ratio Lower Upper
95 100
174 80.5 0.0 152.4
176 77.8 0.0 146.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.006 min
Lab File: VN085906.D
Acq: 06 Mar 2025 18:19

Tgt Ion: 117 Resp: 251407
Ion Ratio Lower Upper
117 100
82 55.9 45.7 68.5
119 31.9 26.2 39.2

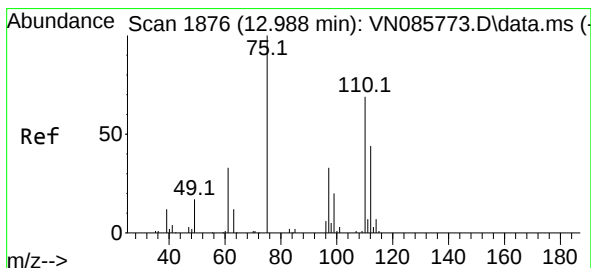
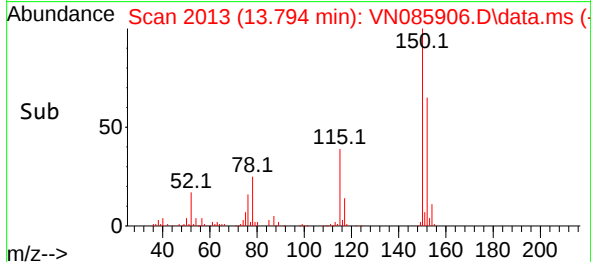
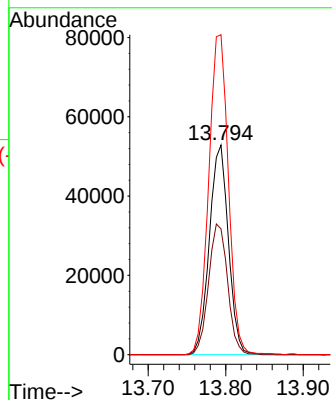
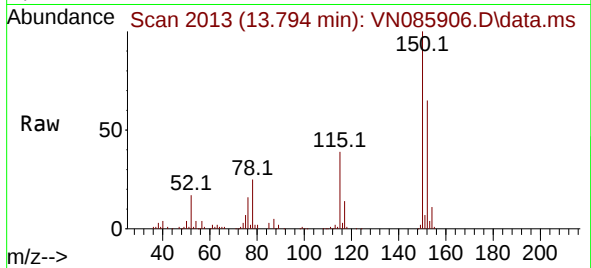




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2012
Delta R.T. 0.006 min
Lab File: VN085906.D
Acq: 06 Mar 2025 18:19

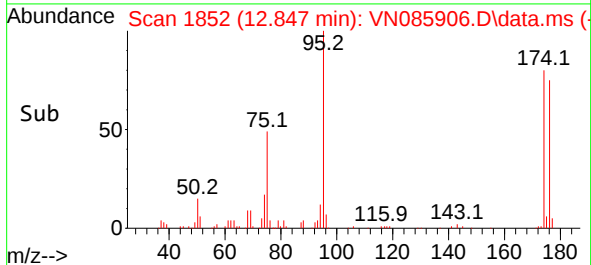
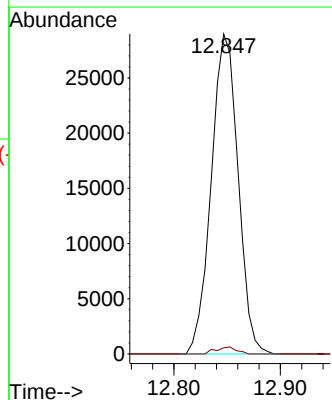
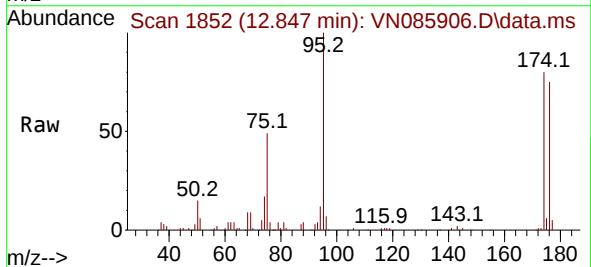
Instrument :
MSVOA_N
ClientSampleId :
PB166989ZHE#08

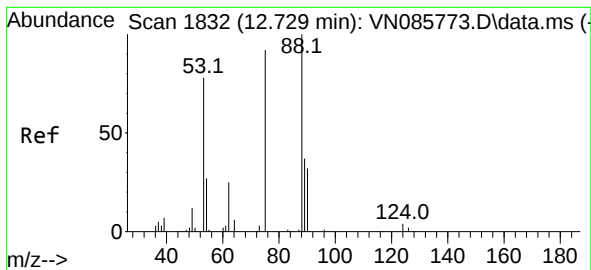
Tgt Ion:152 Resp: 90477
Ion Ratio Lower Upper
152 100
115 62.4 30.4 91.3
150 157.2 0.0 345.4



#76
1,2,3-Trichloropropane
Concen: 25.205 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN085906.D
Acq: 06 Mar 2025 18:19

Tgt Ion: 75 Resp: 50657
Ion Ratio Lower Upper
75 100
77 1.7 100.0 300.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 73.542 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.117 min
 Lab File: VN085906.D
 Acq: 06 Mar 2025 18:19

Instrument :
 MSVOA_N
 ClientSampleId :
 PB166989ZHE#08

Tgt Ion: 75 Resp: 50657
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.2 111.4#
 89 0.0 34.9 52.3#

