

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060925\
 Data File : VN086905.D
 Acq On : 09 Jun 2025 15:08
 Operator : JC\MD
 Sample : Q2198-02RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 10 03:34:20 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 02:12:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.229	168	429044	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	754017	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	651717	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	315202	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	243428	42.376	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	84.760%
35) Dibromofluoromethane	8.177	113	214624	48.031	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.060%
50) Toluene-d8	10.570	98	897684	50.747	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.500%
62) 4-Bromofluorobenzene	12.847	95	319909	48.676	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	97.360%

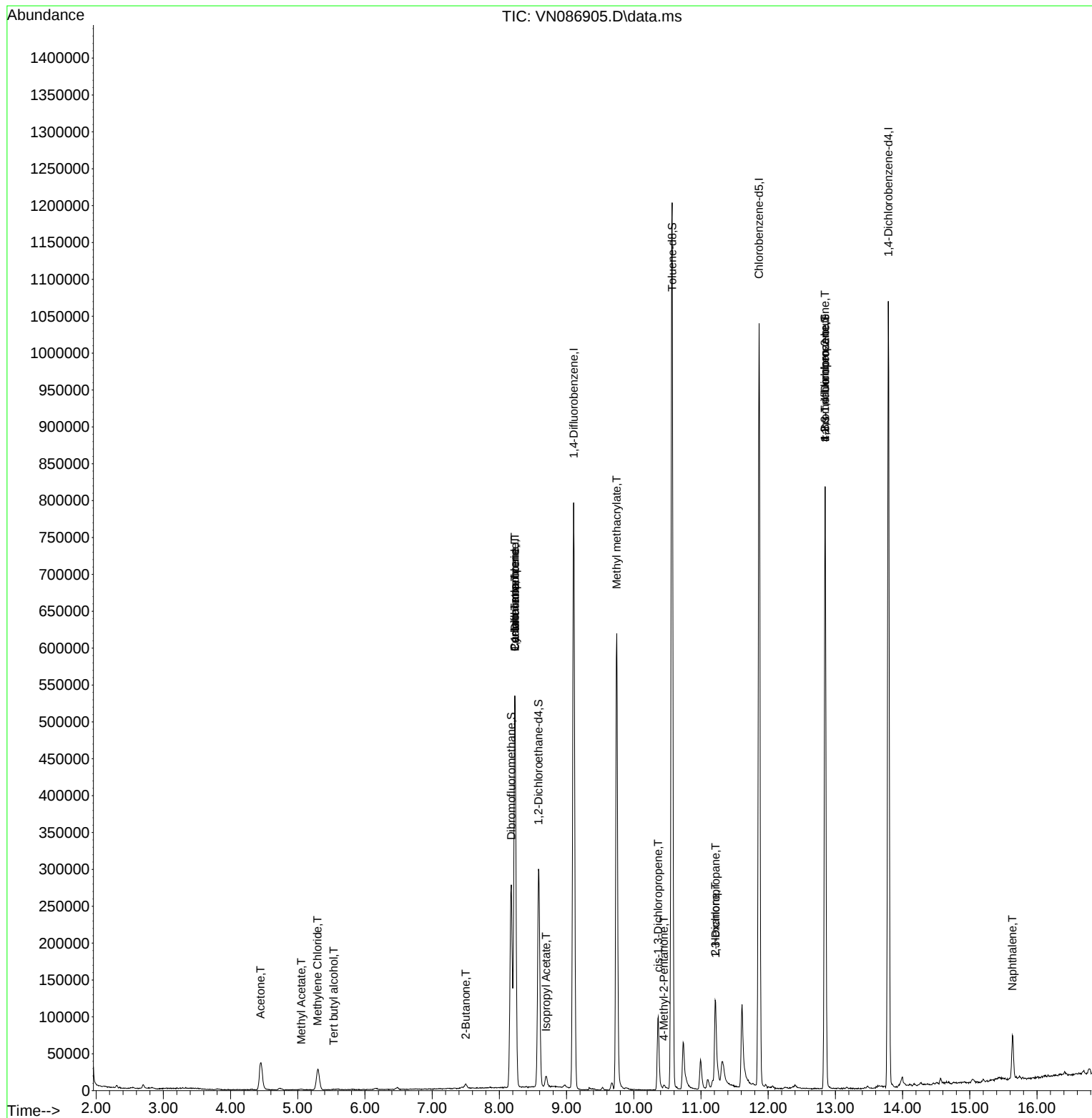
Target Compounds						Qvalue
11) Tert butyl alcohol	5.536	59	1409	0.904	ug/l #	73
16) Acetone	4.447	43	75986	24.944	ug/l	97
18) Methyl Acetate	5.053	43	2327	0.262	ug/l #	73
20) Methylene Chloride	5.294	84	25077	4.397	ug/l	90
25) 2-Butanone	7.500	43	9655	1.950	ug/l	100
31) Cyclohexane	8.229	56	7069	0.759	ug/l #	1
36) 1,1-Dichloropropene	8.229	75	30711	4.612	ug/l #	49
38) Carbon Tetrachloride	8.229	117	40576	6.207	ug/l #	18
43) Isopropyl Acetate	8.694	43	17428	1.281	ug/l	97
48) Methyl methacrylate	9.747	41	52201	8.337	ug/l #	35
51) 4-Methyl-2-Pentanone	10.447	43	7129	0.870	ug/l #	72
54) cis-1,3-Dichloropropene	10.365	75	24418	2.819	ug/l #	53
57) 1,3-Dichloropropane	11.217	76	1841	0.207	ug/l #	43
59) 2-Hexanone	11.212	43	18554	3.517	ug/l #	57
76) 1,2,3-Trichloropropane	12.847	75	146648	19.573	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	146648	45.055	ug/l #	16
95) Naphthalene	15.635	128	61310	2.591	ug/l	99

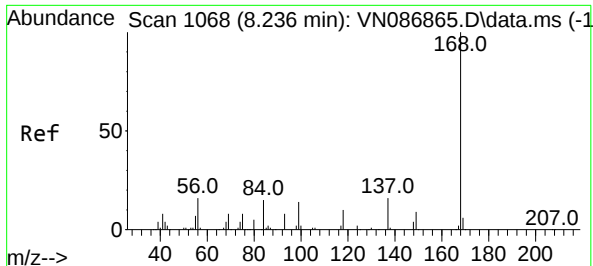
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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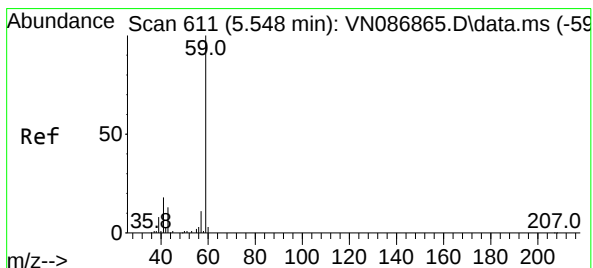
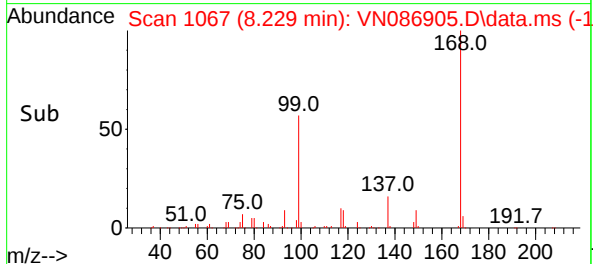
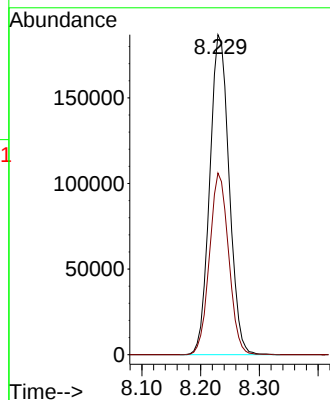
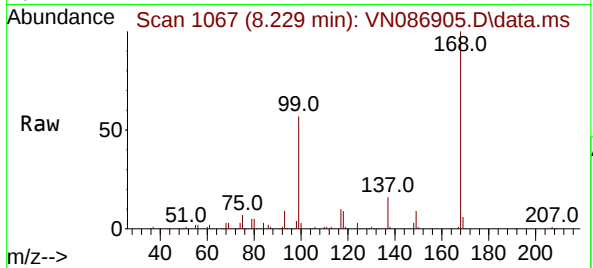




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.007 min
Lab File: VN086905.D
Acq: 09 Jun 2025 15:08

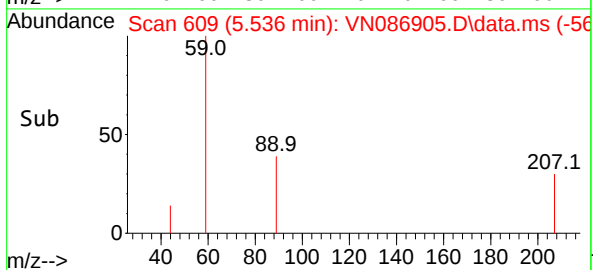
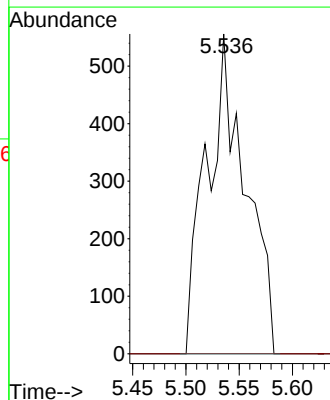
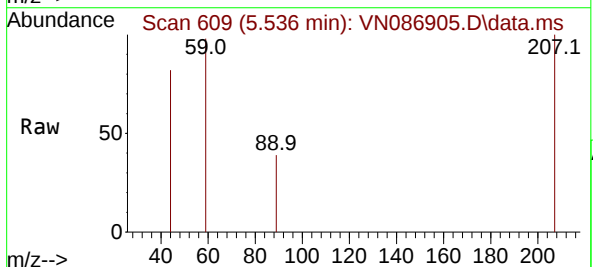
Instrument :
MSVOA_N
ClientSampleId :

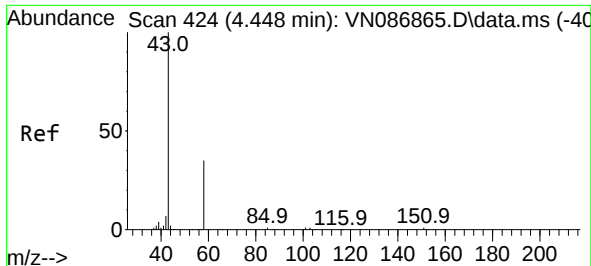
Tgt Ion:168 Resp: 429044
Ion Ratio Lower Upper
168 100
99 56.7 49.1 73.7



#11
Tert butyl alcohol
Concen: 0.904 ug/l
RT: 5.536 min Scan# 609
Delta R.T. -0.012 min
Lab File: VN086905.D
Acq: 09 Jun 2025 15:08

Tgt Ion: 59 Resp: 1409
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

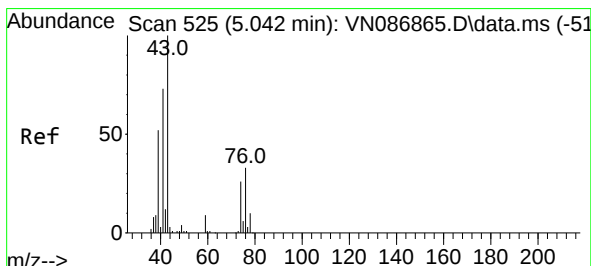
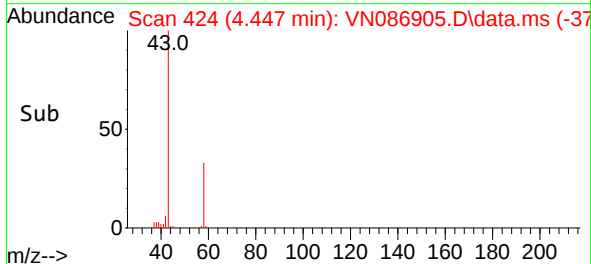
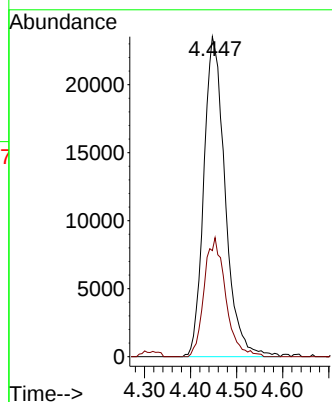
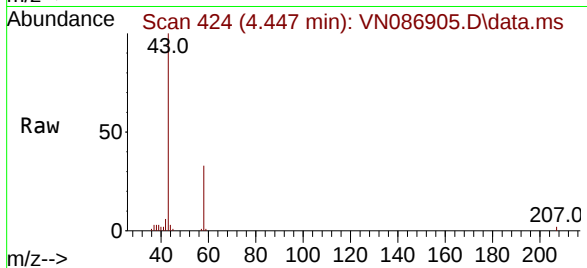




#16
Acetone
Concen: 24.944 ug/l
RT: 4.447 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN086905.D
Acq: 09 Jun 2025 15:08

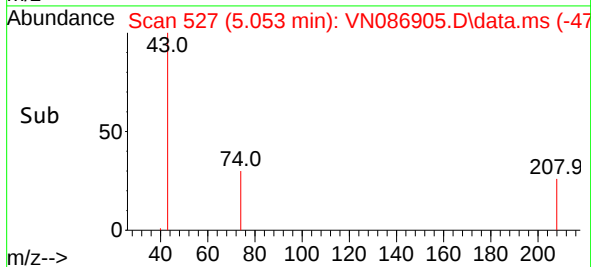
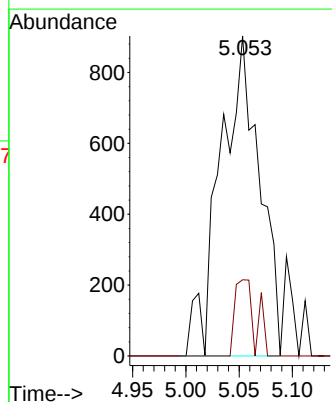
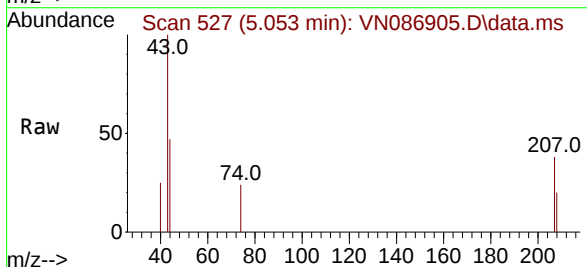
Instrument :
MSVOA_N
ClientSampleId :

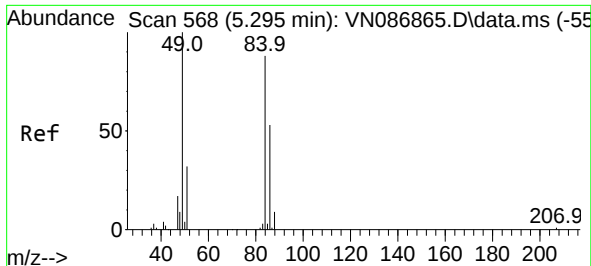
Tgt Ion: 43 Resp: 75986
Ion Ratio Lower Upper
43 100
58 33.1 28.0 42.0



#18
Methyl Acetate
Concen: 0.262 ug/l
RT: 5.053 min Scan# 527
Delta R.T. 0.012 min
Lab File: VN086905.D
Acq: 09 Jun 2025 15:08

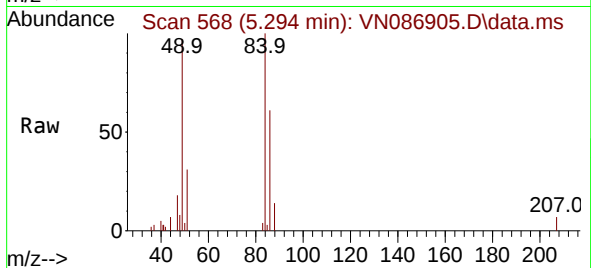
Tgt Ion: 43 Resp: 2327
Ion Ratio Lower Upper
43 100
74 12.3 20.7 31.1#



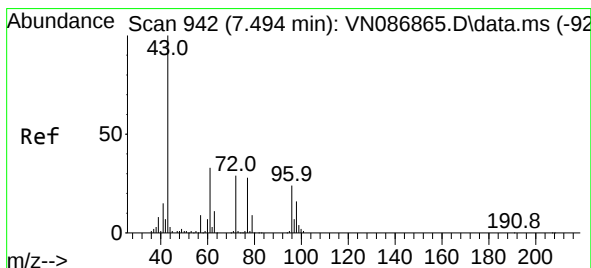
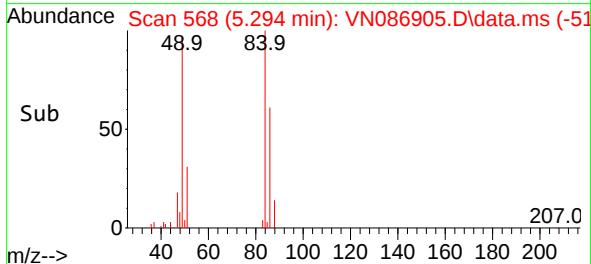
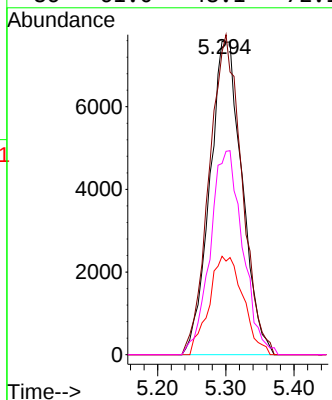


#20
Methylene Chloride
Concen: 4.397 ug/l
RT: 5.294 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN086905.D
Acq: 09 Jun 2025 15:08

Instrument :
MSVOA_N
ClientSampleId :

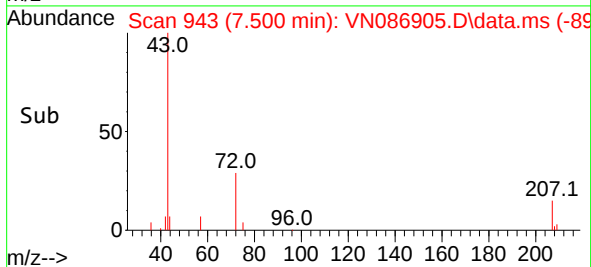
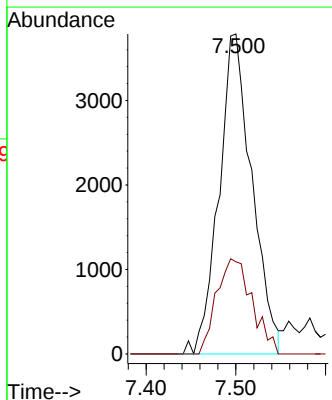
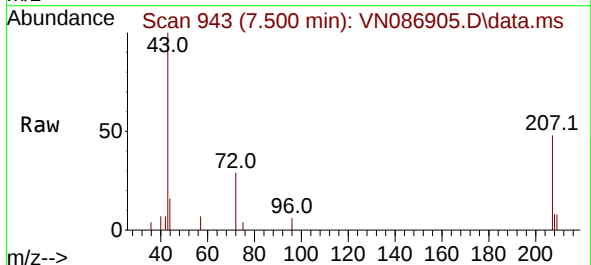


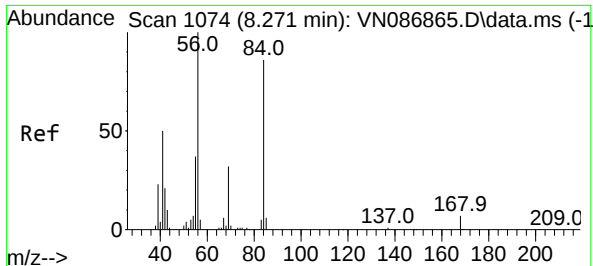
Tgt Ion:	84	Resp:	25077
Ion	Ratio	Lower	Upper
84	100		
49	96.6	90.5	135.7
51	31.4	28.5	42.7
86	61.0	48.1	72.1



#25
2-Butanone
Concen: 1.950 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.006 min
Lab File: VN086905.D
Acq: 09 Jun 2025 15:08

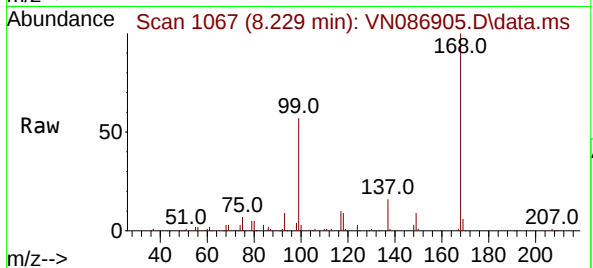
Tgt Ion:	43	Resp:	9655
Ion	Ratio	Lower	Upper
43	100		
72	28.8	23.0	34.6



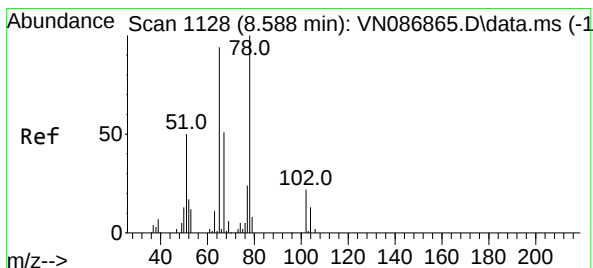
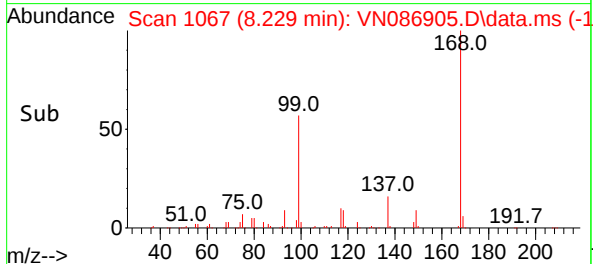
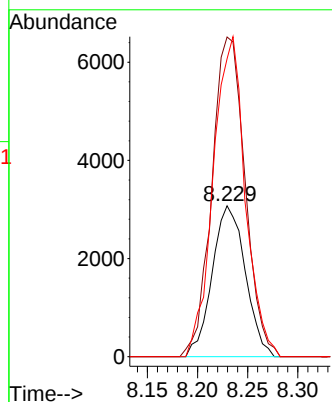


#31
Cyclohexane
Concen: 0.759 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.041 min
Lab File: VN086905.D
Acq: 09 Jun 2025 15:08

Instrument :
MSVOA_N
ClientSampleId :

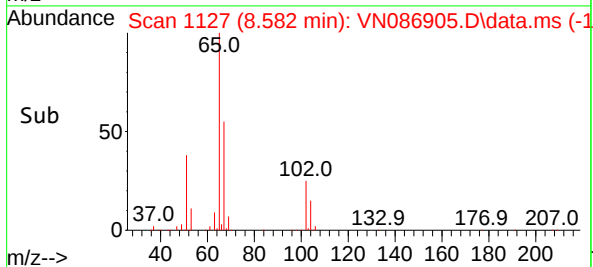
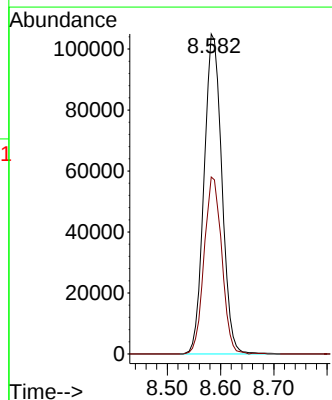
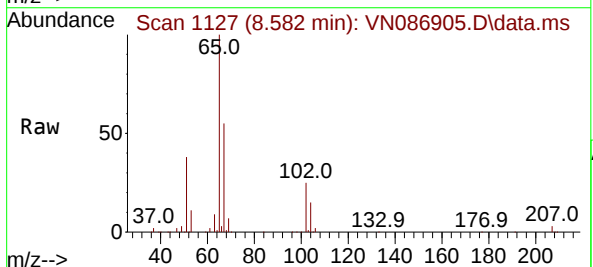


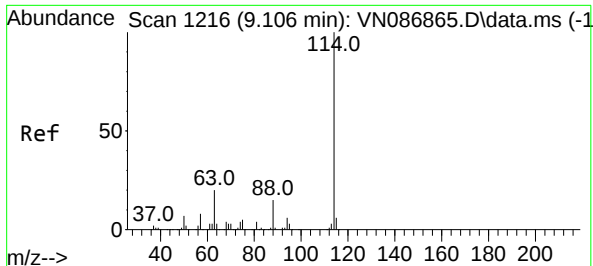
Tgt Ion: 56 Resp: 7069
Ion Ratio Lower Upper
56 100
69 211.9 25.4 38.0#
84 197.5 68.8 103.2#



#33
1,2-Dichloroethane-d4
Concen: 42.376 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.006 min
Lab File: VN086905.D
Acq: 09 Jun 2025 15:08

Tgt Ion: 65 Resp: 243428
Ion Ratio Lower Upper
65 100
67 54.8 0.0 105.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN086905.D

Acq: 09 Jun 2025 15:08

Instrument :

MSVOA_N

ClientSampleId :

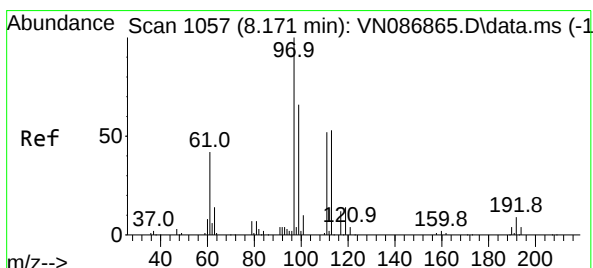
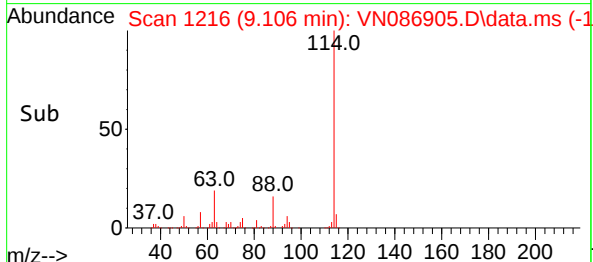
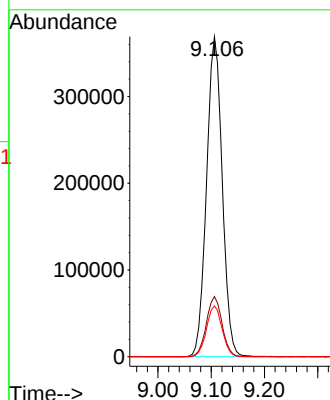
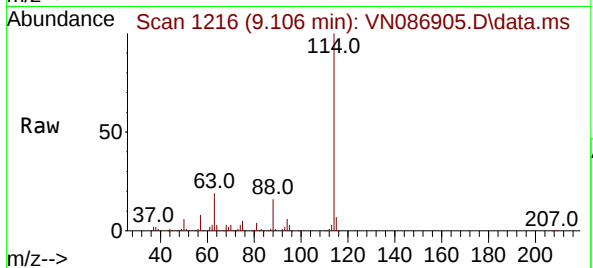
Tgt Ion:114 Resp: 754017

Ion Ratio Lower Upper

114 100

63 18.8 0.0 39.6

88 15.9 0.0 30.2



#35

Dibromofluoromethane

Concen: 48.031 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VN086905.D

Acq: 09 Jun 2025 15:08

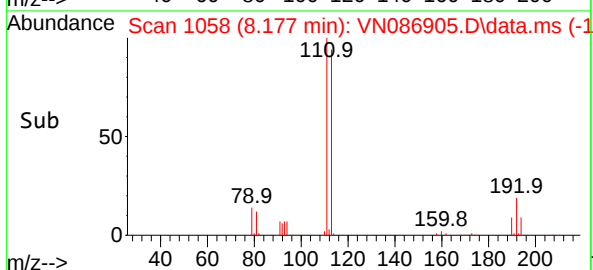
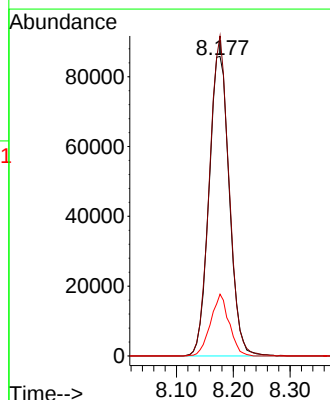
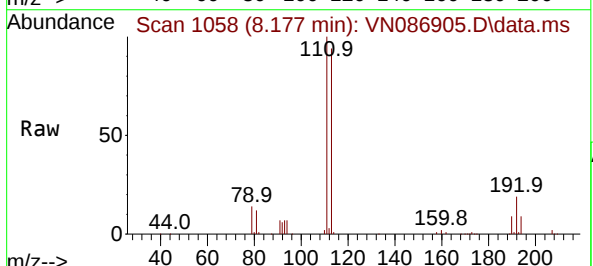
Tgt Ion:113 Resp: 214624

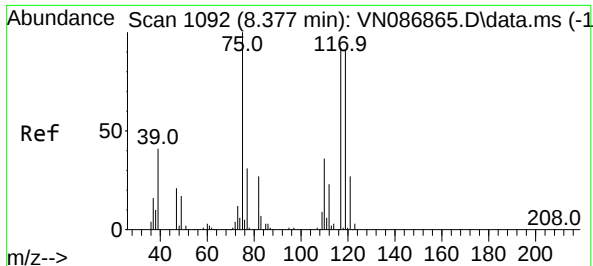
Ion Ratio Lower Upper

113 100

111 102.0 84.2 126.2

192 18.8 14.2 21.4

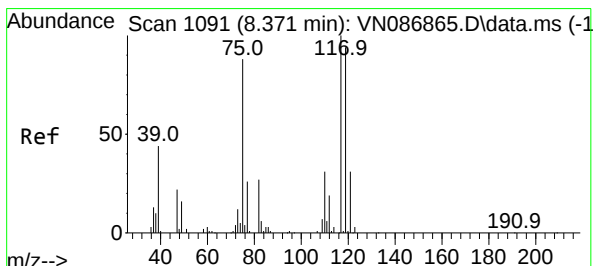
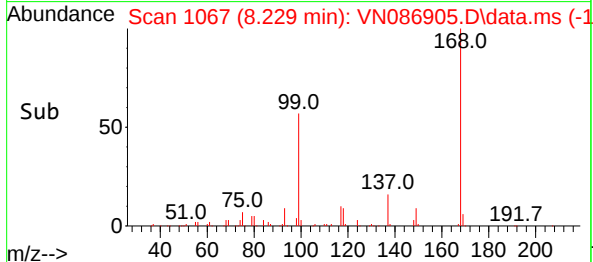
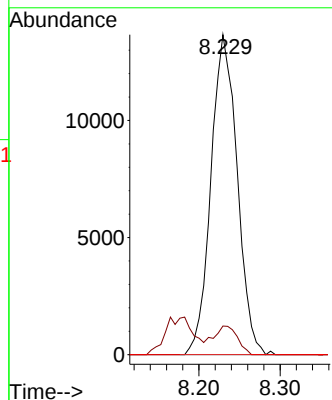
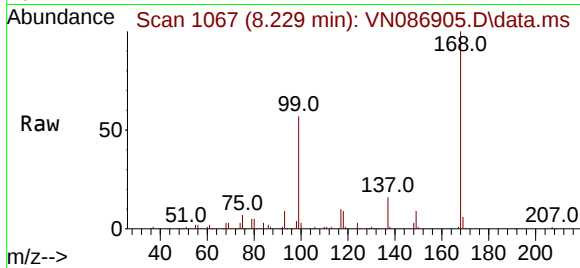




#36
1,1-Dichloropropene
Concen: 4.612 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN086905.D
Acq: 09 Jun 2025 15:08

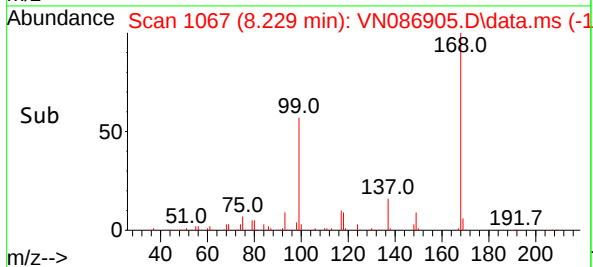
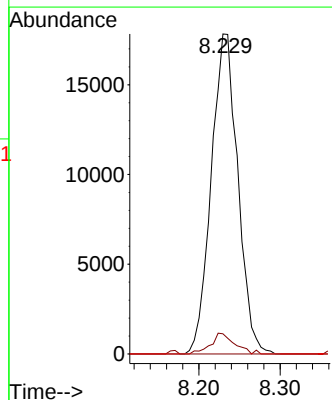
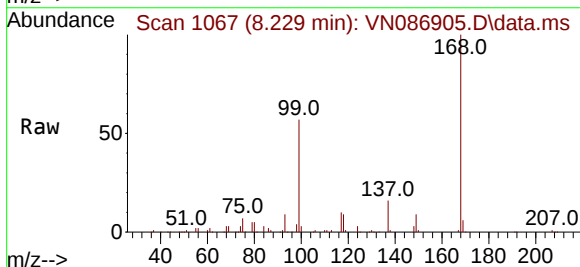
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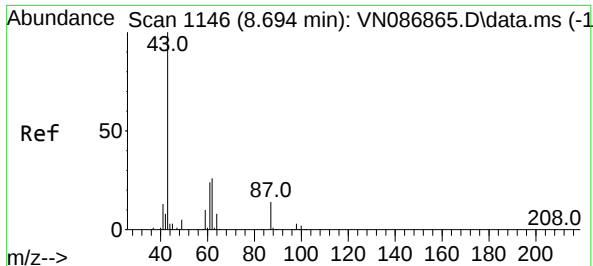
Tgt Ion: 75 Resp: 30711
Ion Ratio Lower Upper
75 100
110 8.3 17.6 52.9#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 6.207 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN086905.D
Acq: 09 Jun 2025 15:08

Tgt Ion: 117 Resp: 40576
Ion Ratio Lower Upper
117 100
119 6.3 75.0 112.6#
121 0.0 24.9 37.3#

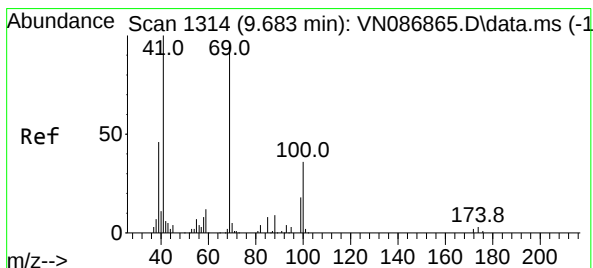
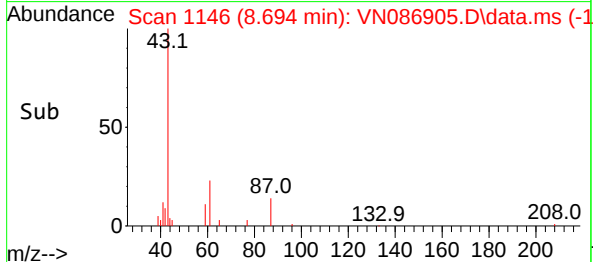
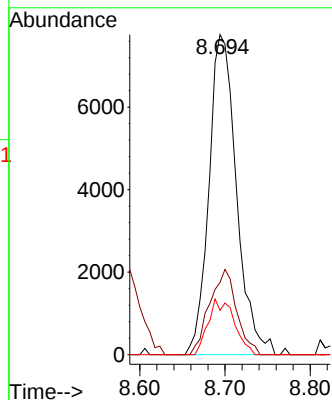
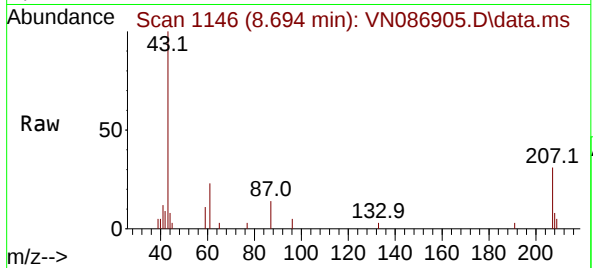




#43
Isopropyl Acetate
Concen: 1.281 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. -0.000 min
Lab File: VN086905.D
Acq: 09 Jun 2025 15:08

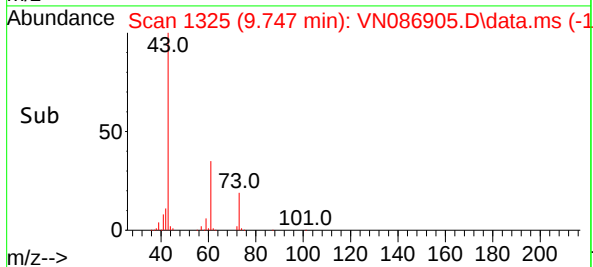
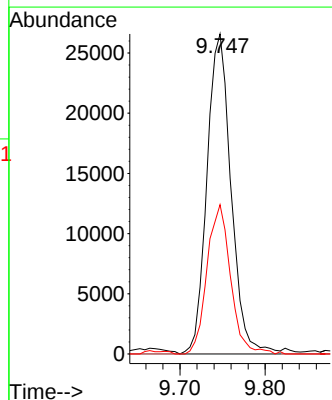
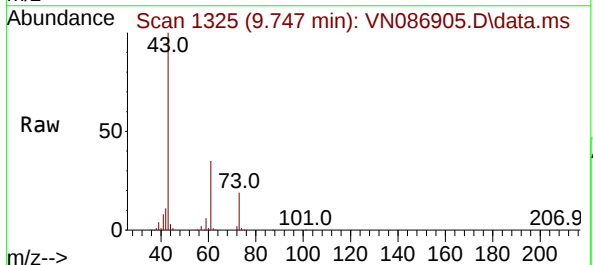
Instrument :
MSVOA_N
ClientSampleId :

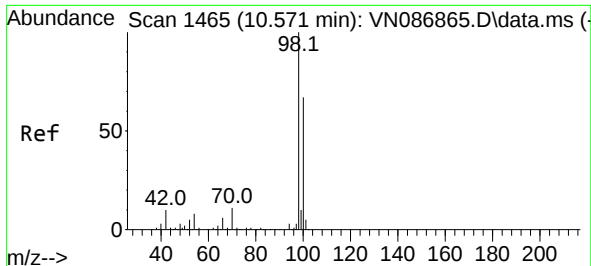
Tgt Ion:	43	Resp:	17428
Ion	Ratio	Lower	Upper
43	100		
61	26.2	22.1	33.1
87	16.4	11.8	17.6



#48
Methyl methacrylate
Concen: 8.337 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.064 min
Lab File: VN086905.D
Acq: 09 Jun 2025 15:08

Tgt Ion:	41	Resp:	52201
Ion	Ratio	Lower	Upper
41	100		
69	0.0	74.6	112.0#
39	45.6	40.2	60.4

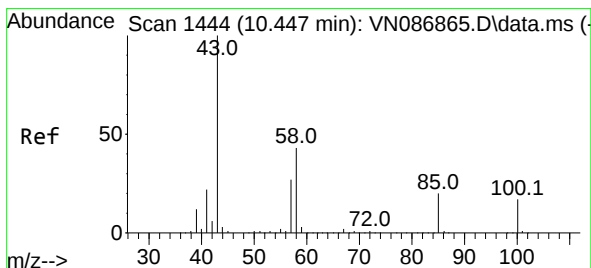
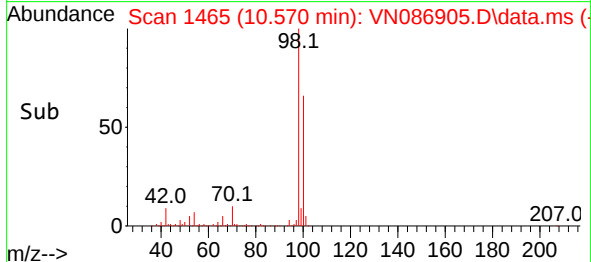
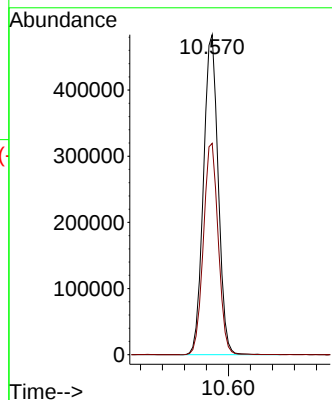
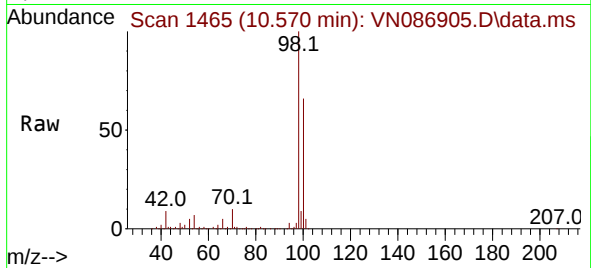




#50
Toluene-d8
Concen: 50.747 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN086905.D
Acq: 09 Jun 2025 15:08

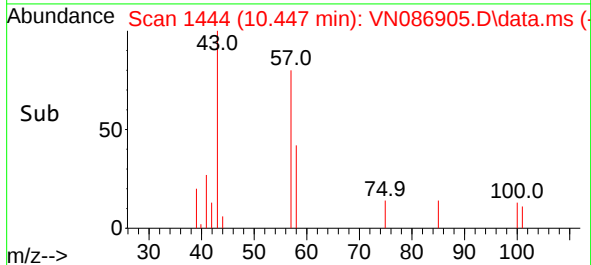
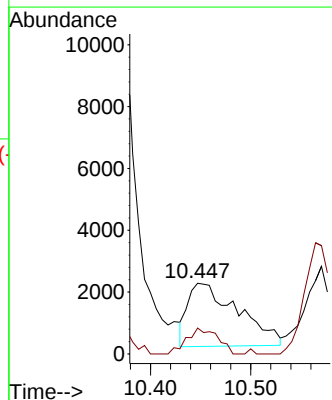
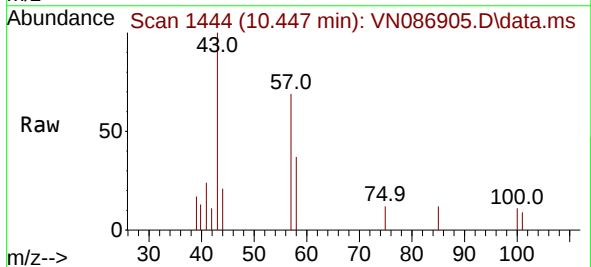
Instrument :
MSVOA_N
ClientSampleId :

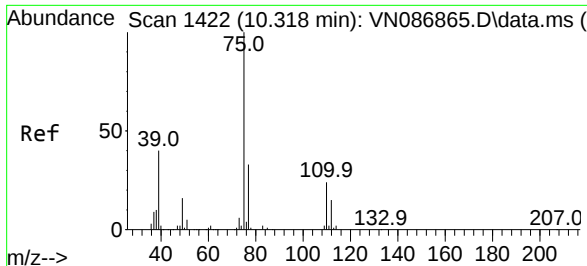
Tgt Ion: 98 Resp: 897684
Ion Ratio Lower Upper
98 100
100 66.6 53.4 80.0



#51
4-Methyl-2-Pentanone
Concen: 0.870 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN086905.D
Acq: 09 Jun 2025 15:08

Tgt Ion: 43 Resp: 7129
Ion Ratio Lower Upper
43 100
58 25.0 34.2 51.4#

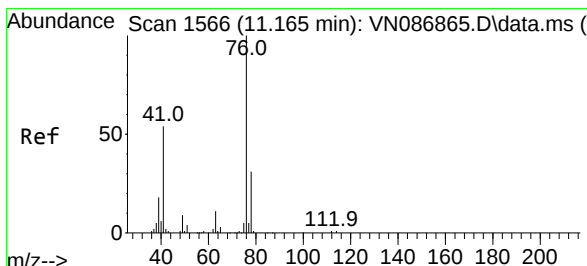
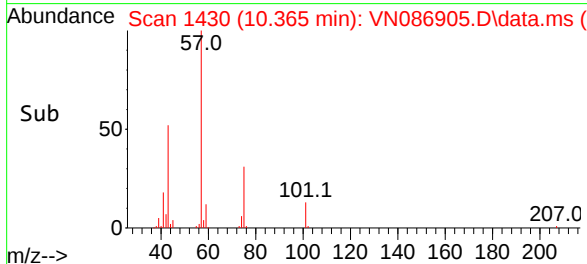
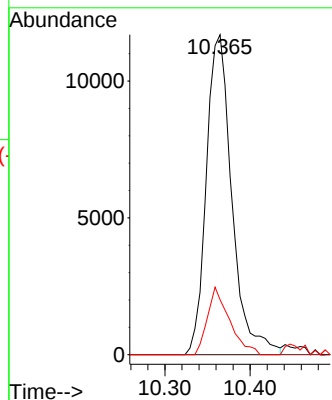
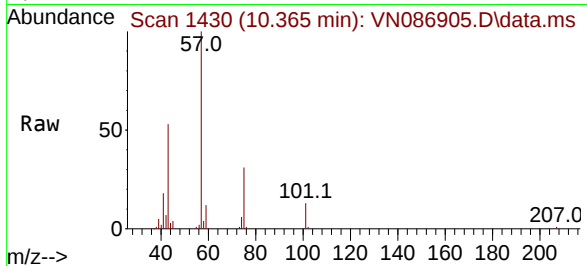




#54
 cis-1,3-Dichloropropene
 Concen: 2.819 ug/l
 RT: 10.365 min Scan# 1422
 Delta R.T. 0.047 min
 Lab File: VN086905.D
 Acq: 09 Jun 2025 15:08

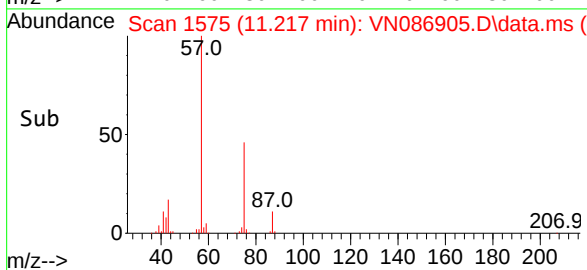
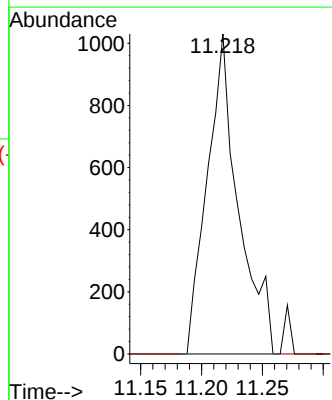
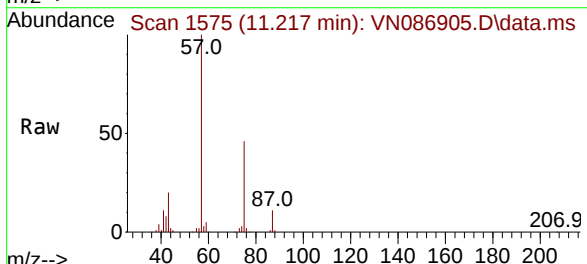
Instrument :
 MSVOA_N
 ClientSampleId :

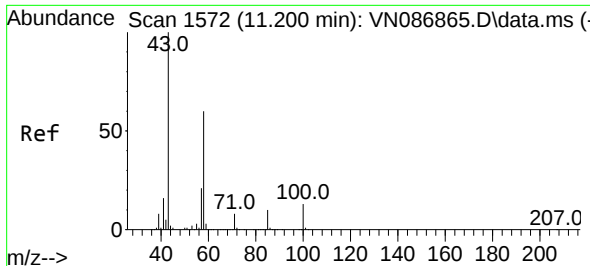
Tgt Ion: 75 Resp: 24418
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.2 39.4#
 39 17.2 32.3 48.5#



#57
 1,3-Dichloropropane
 Concen: 0.207 ug/l
 RT: 11.217 min Scan# 1575
 Delta R.T. 0.053 min
 Lab File: VN086905.D
 Acq: 09 Jun 2025 15:08

Tgt Ion: 76 Resp: 1841
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.3 37.9#

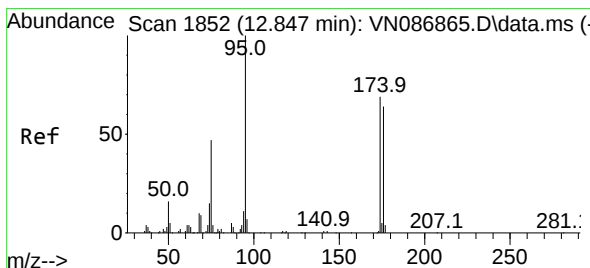
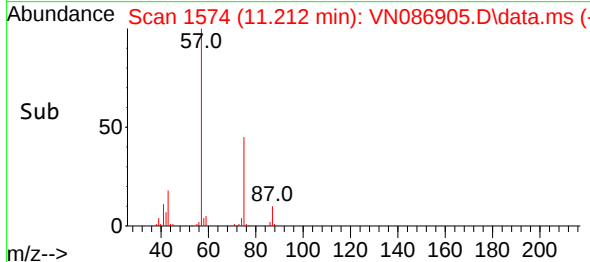
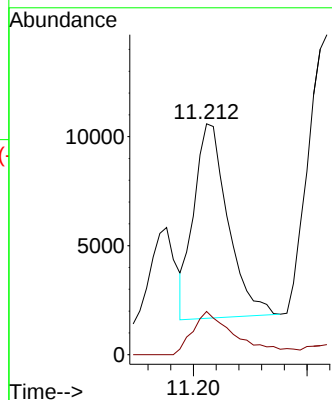
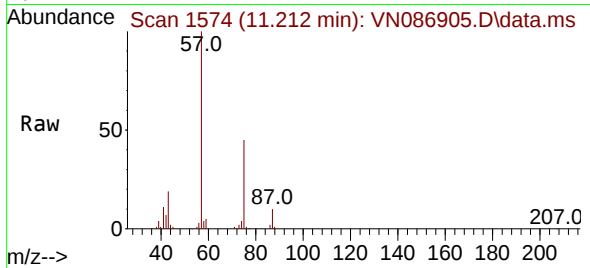




#59
2-Hexanone
Concen: 3.517 ug/l
RT: 11.212 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN086905.D
Acq: 09 Jun 2025 15:08

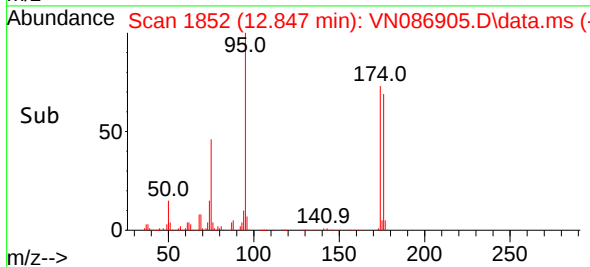
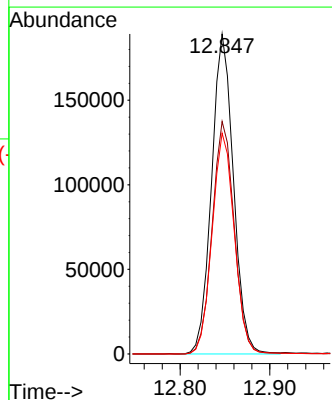
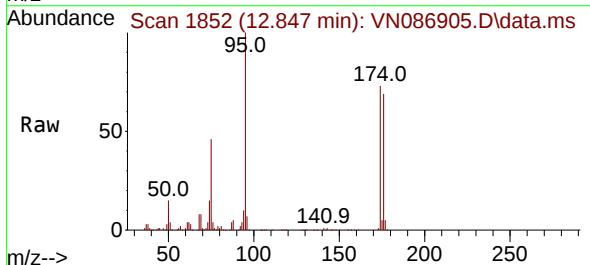
Instrument :
MSVOA_N
ClientSampleId :

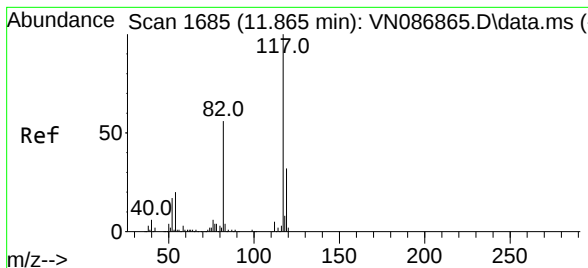
Tgt Ion: 43 Resp: 18554
Ion Ratio Lower Upper
43 100
58 28.3 30.4 91.3#



#62
4-Bromofluorobenzene
Concen: 48.676 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086905.D
Acq: 09 Jun 2025 15:08

Tgt Ion: 95 Resp: 319909
Ion Ratio Lower Upper
95 100
174 73.4 0.0 141.8
176 70.3 0.0 132.6

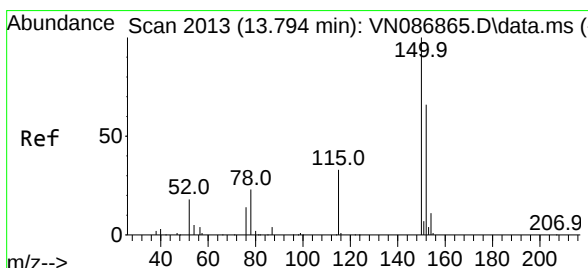
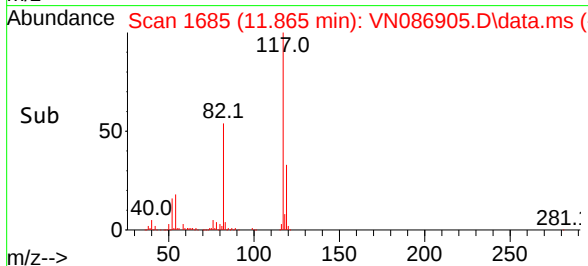
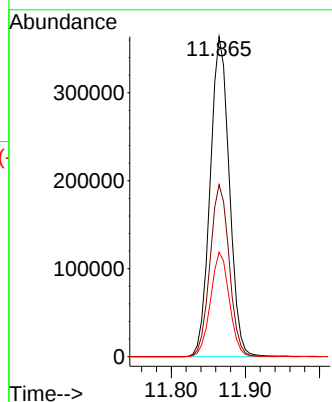
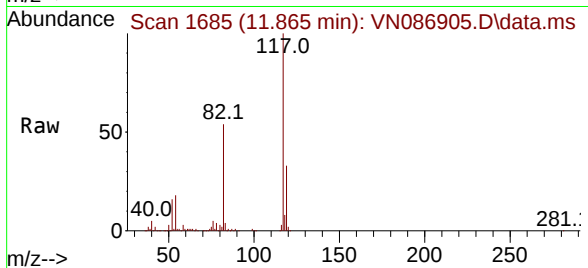




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086905.D
Acq: 09 Jun 2025 15:08

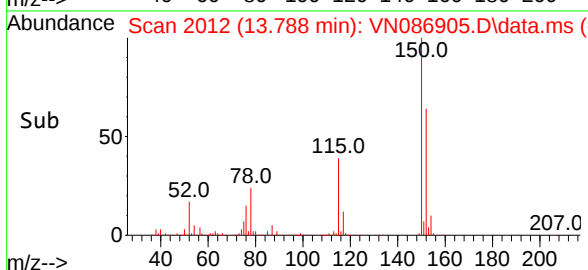
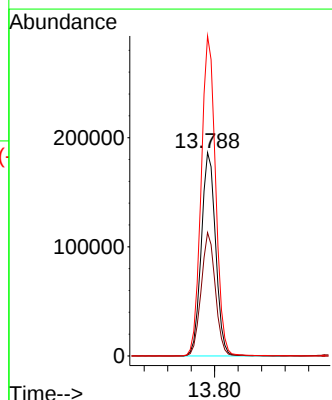
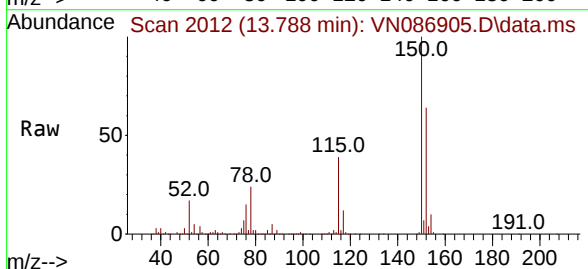
Instrument :
MSVOA_N
ClientSampleId :

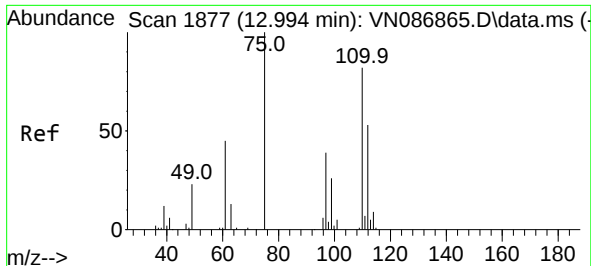
Tgt Ion:117 Resp: 651717
Ion Ratio Lower Upper
117 100
82 53.7 44.6 67.0
119 32.6 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.006 min
Lab File: VN086905.D
Acq: 09 Jun 2025 15:08

Tgt Ion:152 Resp: 315202
Ion Ratio Lower Upper
152 100
115 60.2 30.1 90.5
150 158.0 0.0 345.0

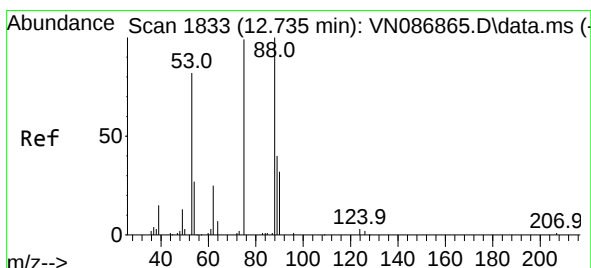
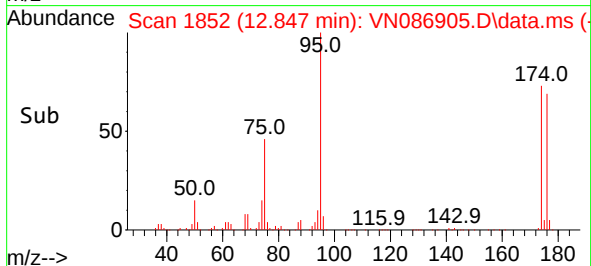
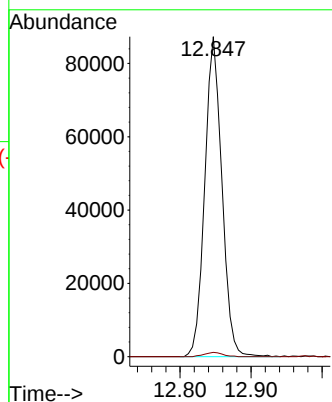
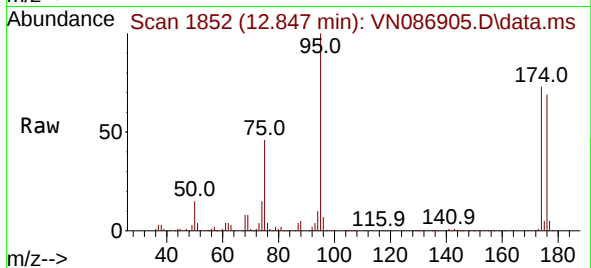




#76
1,2,3-Trichloropropane
Concen: 19.573 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN086905.D
Acq: 09 Jun 2025 15:08

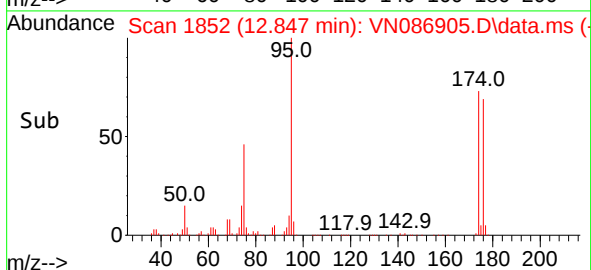
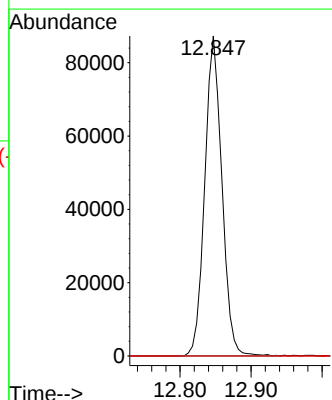
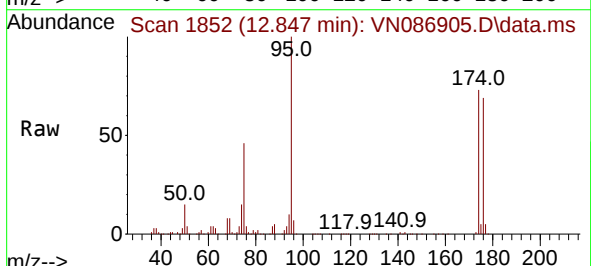
Instrument :
MSVOA_N
ClientSampleId :

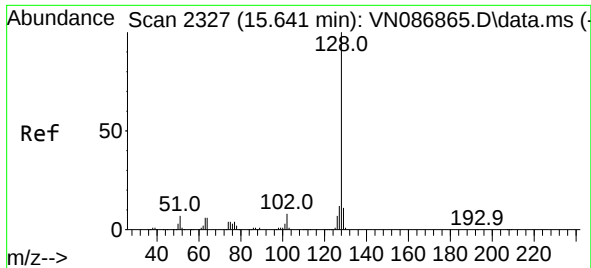
Tgt Ion: 75 Resp: 146648
Ion Ratio Lower Upper
75 100
77 1.4 79.3 237.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 45.055 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.111 min
Lab File: VN086905.D
Acq: 09 Jun 2025 15:08

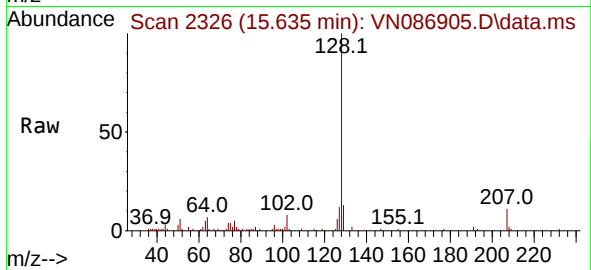
Tgt Ion: 75 Resp: 146648
Ion Ratio Lower Upper
75 100
53 0.0 66.6 99.8#
89 0.0 36.7 55.1#





#95
Naphthalene
Concen: 2.591 ug/l
RT: 15.635 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN086905.D
Acq: 09 Jun 2025 15:08

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128 Resp: 61310
Ion Ratio Lower Upper
128 100
127 12.6 10.2 15.2
129 11.5 8.8 13.2

