Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050625\
Data File : VN086509.D
Acq On : 06 May 2025 12:58
Operator : JC\MD
Sample : Q1947-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MH-P

Quant Time: May 07 02:54:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	170161	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	318641	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	299181	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	129491	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	116232	47.105	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 94.220%			
35) Dibromofluoromethane	8.165	113	88123	59.589	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 119.180%			
50) Toluene-d8	10.565	98	396195	50.128	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.260%			
62) 4-Bromofluorobenzene	12.847	95	141805	49.190	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 98.380%			
Target Compounds						Qvalue
3) Chloromethane	2.365	50	904	0.308	ug/l #	84
5) Bromomethane	2.977	94	605	0.481	ug/l #	58
10) Methyl Iodide	4.589	142	717	0.348	ug/l #	42
13) Acrolein	4.189	56	144	Below Cal		97
16) Acetone	4.430	43	33638	34.511	ug/l	99
17) Carbon Disulfide	4.718	76	2696	0.450	ug/l #	74
18) Methyl Acetate	5.030	43	2562	0.865	ug/l #	84
20) Methylene Chloride	5.271	84	7788	3.414	ug/l	90
25) 2-Butanone	7.494	43	3910	2.546	ug/l	93
29) Tetrahydrofuran	7.830	42	370	0.360	ug/l #	49
31) Cyclohexane	8.218	56	3611	0.903	ug/l #	5
36) 1,1-Dichloropropene	8.218	75	13748	4.654	ug/l #	48
38) Carbon Tetrachloride	8.218	117	16515	5.871	ug/l #	16
41) Methacrylonitrile	7.847	41	378	0.210	ug/l #	23
43) Isopropyl Acetate	8.683	43	23850	2.457	ug/l #	90
45) 1,2-Dichloropropane	9.729	63	787	0.340	ug/l #	43
48) Methyl methacrylate	9.735	41	65422	23.957	ug/l #	43
51) 4-Methyl-2-Pentanone	10.447	43	3518	1.105	ug/l	96
54) cis-1,3-Dichloropropene	10.353	75	32884	8.413	ug/l #	59
57) 1,3-Dichloropropane	11.200	76	2896	0.768	ug/l #	43
59) 2-Hexanone	11.200	43	51506	21.807	ug/l #	43
71) Bromoform	12.841	173	680	0.410	ug/l #	1
74) N-amyl acetate	12.453	43	2626	0.498	ug/l #	42
76) 1,2,3-Trichloropropane	12.847	75	71876	23.521	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	71876	56.489	ug/l #	10
87) 1,3-Dichlorobenzene	13.729	146	1035	0.235	ug/l	77
88) 1,4-Dichlorobenzene	13.729	146	1035	0.233	ug/l	77
89) n-Butylbenzene	14.059	91	1949	0.256	ug/l	97
93) 1,2,4-Trichlorobenzene	15.394	180	1267	0.619	ug/l	78
94) Hexachlorobutadiene	15.494	225	471	0.609	ug/l #	72
95) Naphthalene	15.641	128	6549	0.902	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.835	180	1251	0.645	ug/l #	89

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

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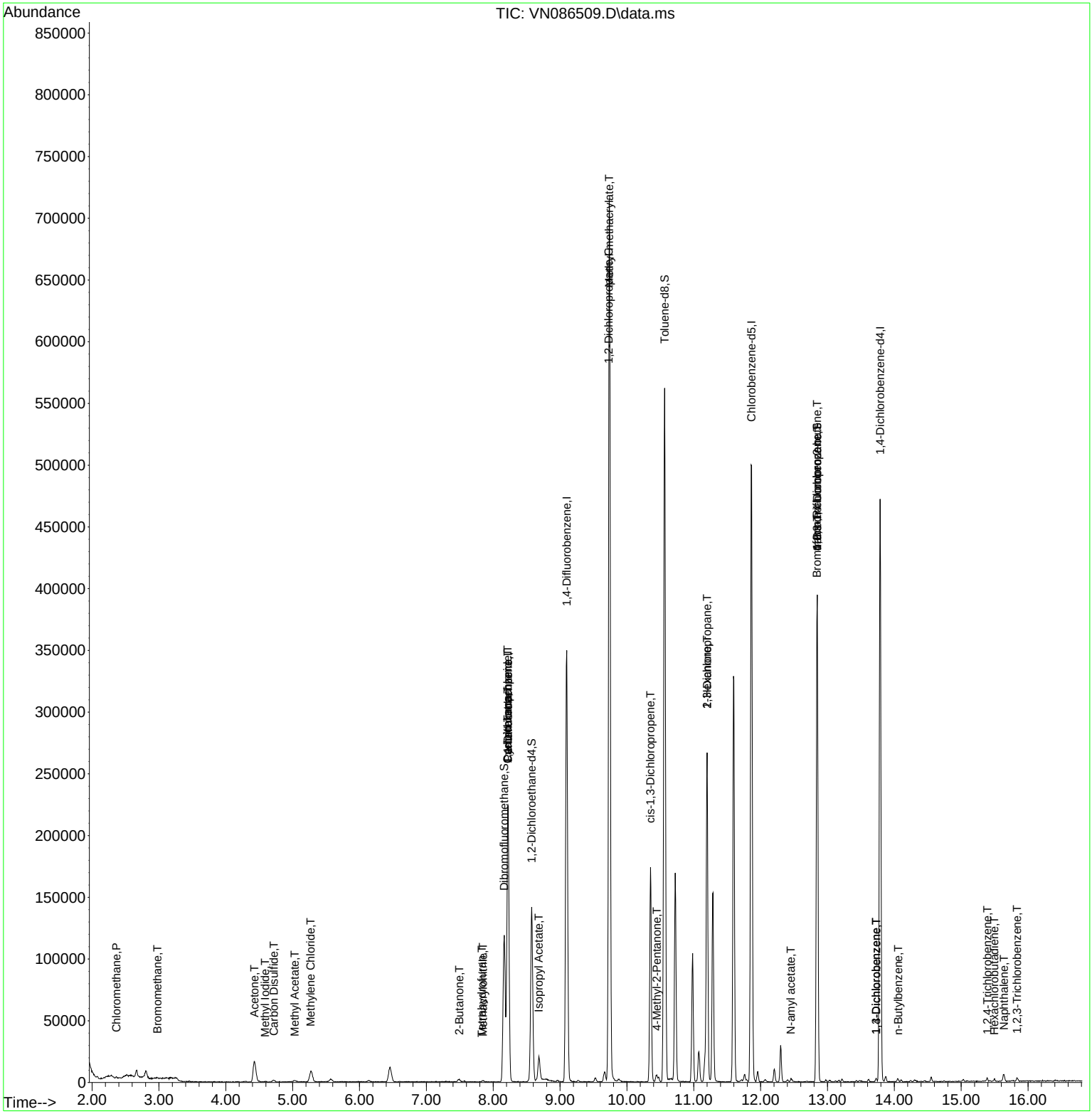
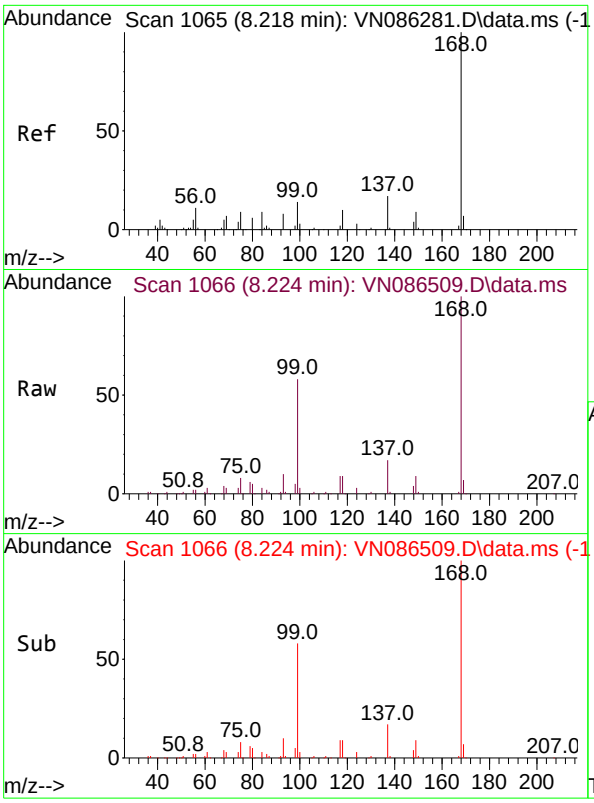


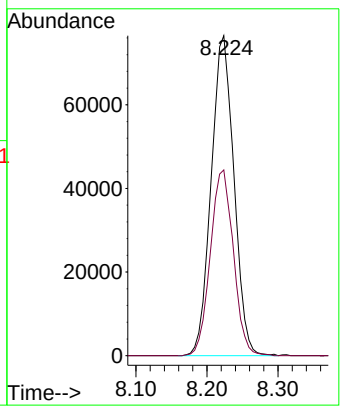


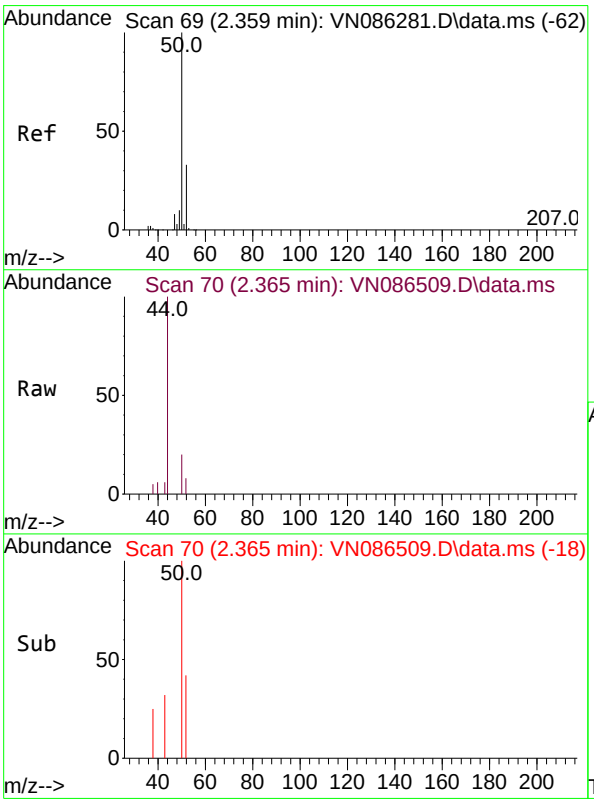
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086509.D
Acq: 06 May 2025 12:58

Instrument :
MSVOA_N
ClientSampleId :
MH-P

Tgt Ion:168 Resp: 170161

Ion	Ratio	Lower	Upper
168	100		
99	58.0	52.5	78.7

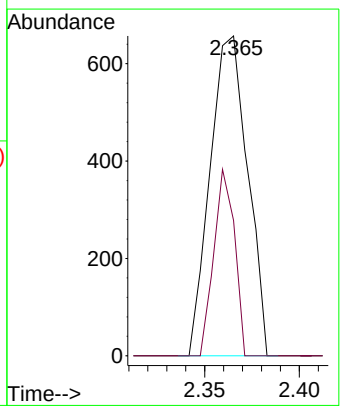


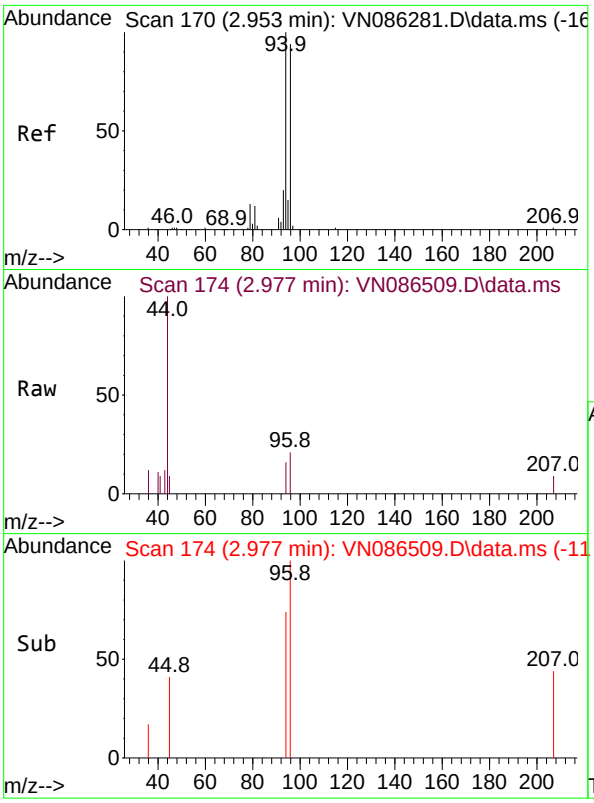


#3
Chloromethane
Concen: 0.308 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN086509.D
Acq: 06 May 2025 12:58

Tgt Ion: 50 Resp: 904

Ion	Ratio	Lower	Upper
50	100		
52	42.3	26.5	39.7#



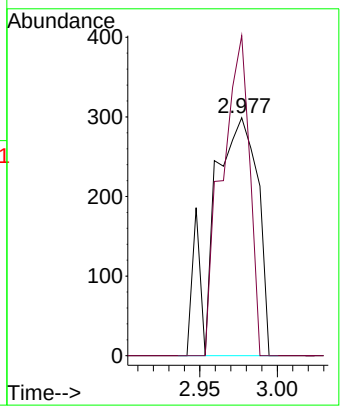


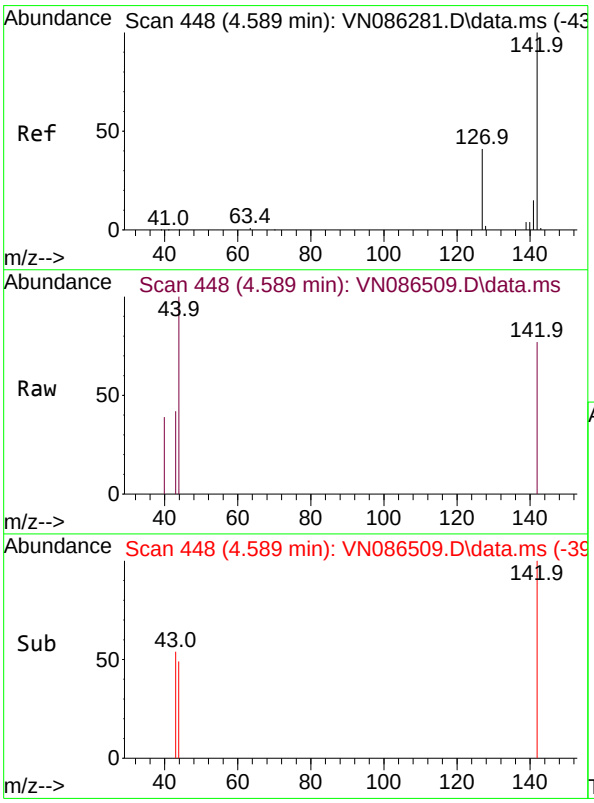
#5
Bromomethane
Concen: 0.481 ug/l
RT: 2.977 min Scan# 1
Delta R.T. 0.024 min
Lab File: VN086509.D
Acq: 06 May 2025 12:58

Instrument :
MSVOA_N
ClientSampleId :
MH-P

Tgt Ion: 94 Resp: 605

Ion	Ratio	Lower	Upper
94	100		
96	134.4	75.2	112.8#

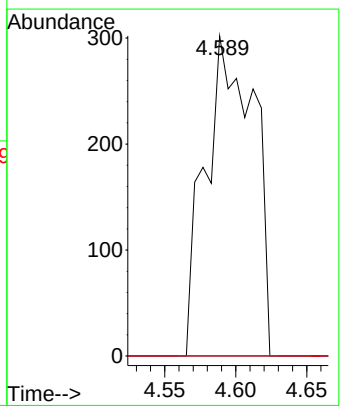


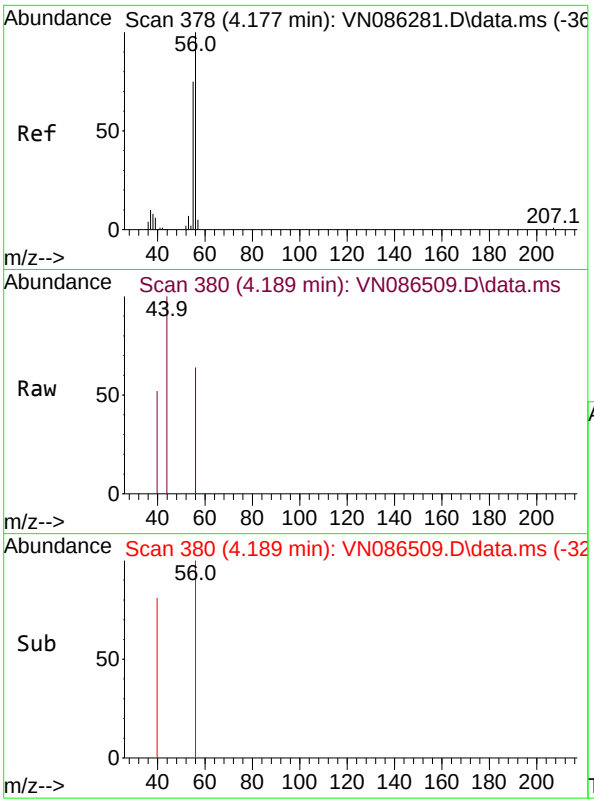


#10
Methyl Iodide
Concen: 0.348 ug/l
RT: 4.589 min Scan# 448
Delta R.T. 0.000 min
Lab File: VN086509.D
Acq: 06 May 2025 12:58

Tgt Ion:142 Resp: 717

Ion	Ratio	Lower	Upper
142	100		
127	0.0	32.7	49.1#
141	0.0	11.7	17.5#



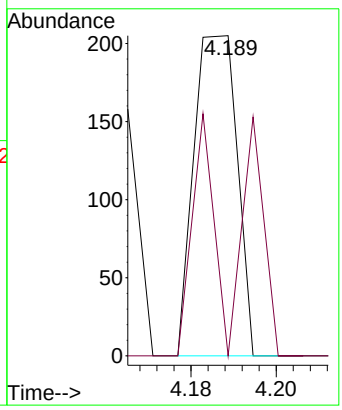


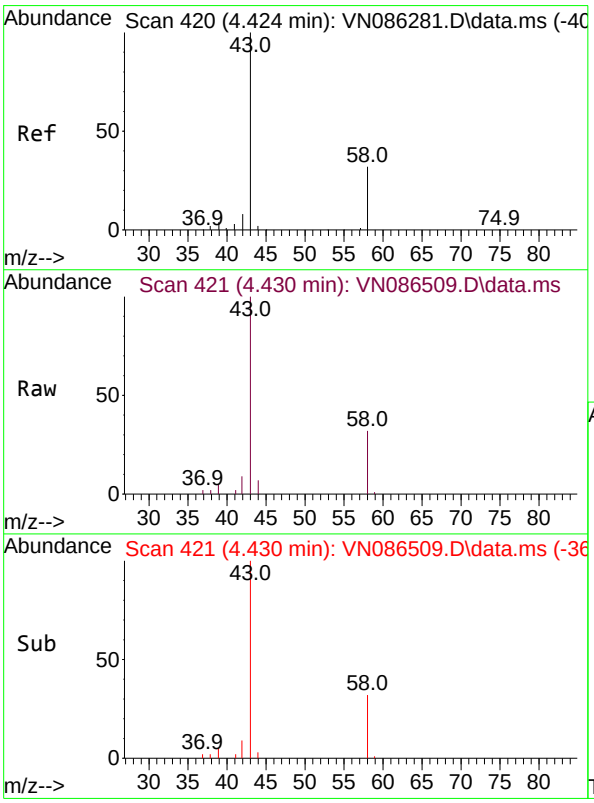
#13
Acrolein
Concen: Below Cal
RT: 4.189 min Scan# 3
Delta R.T. 0.012 min
Lab File: VN086509.D
Acq: 06 May 2025 12:58

Instrument :
MSVOA_N
ClientSampleId :
MH-P

Tgt Ion: 56 Resp: 144

Ion	Ratio	Lower	Upper
56	100		
55	75.7	58.5	87.7

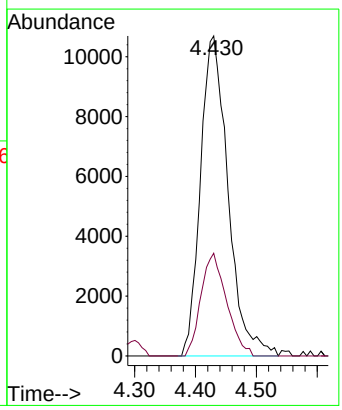


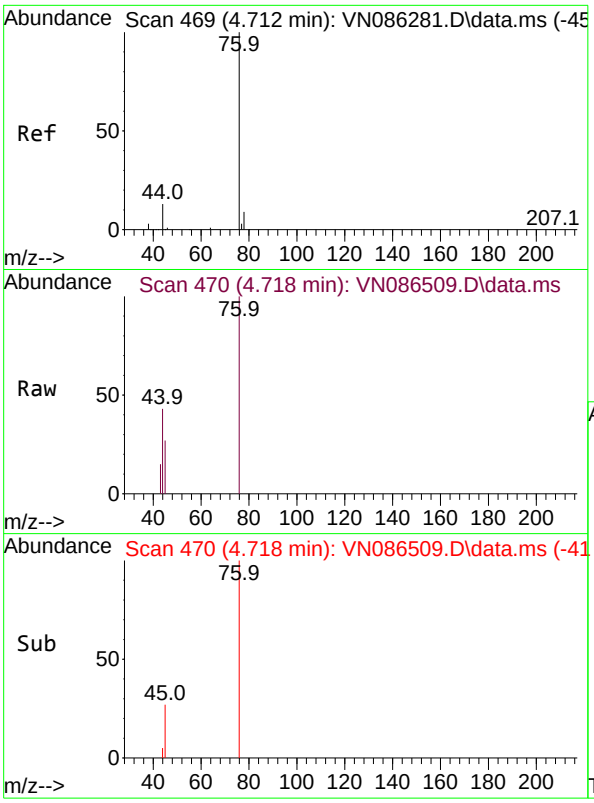


#16
Acetone
Concen: 34.511 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN086509.D
Acq: 06 May 2025 12:58

Tgt Ion: 43 Resp: 33638

Ion	Ratio	Lower	Upper
43	100		
58	32.1	25.3	37.9



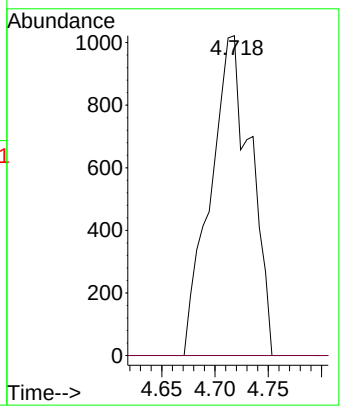


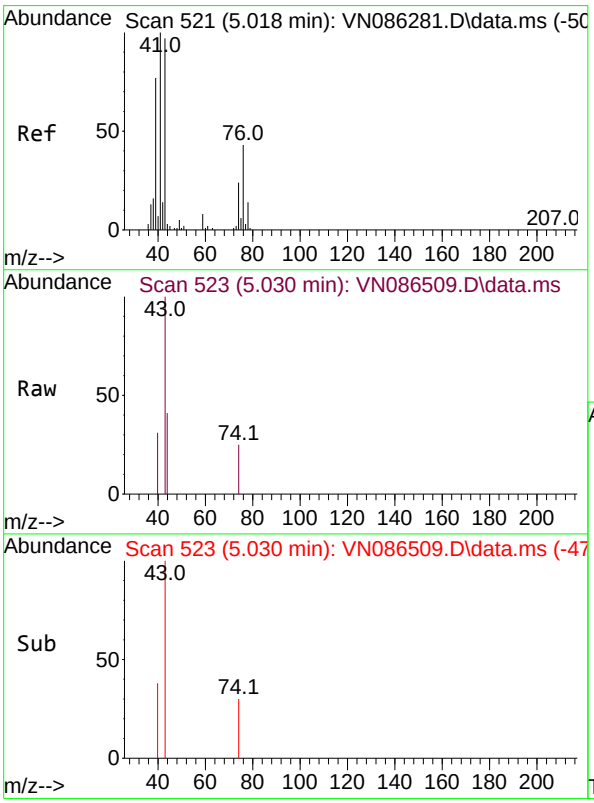
#17
Carbon Disulfide
Concen: 0.450 ug/l
RT: 4.718 min Scan# 4
Delta R.T. 0.006 min
Lab File: VN086509.D
Acq: 06 May 2025 12:58

Instrument :
MSVOA_N
ClientSampleId :
MH-P

Tgt Ion: 76 Resp: 2696

Ion	Ratio	Lower	Upper
76	100		
78	0.0	7.6	11.4#

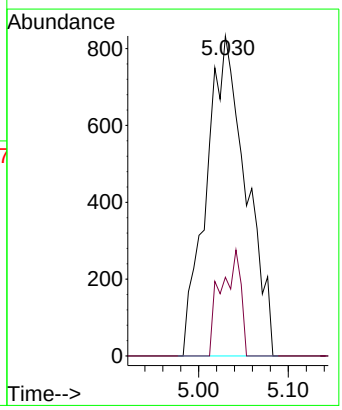


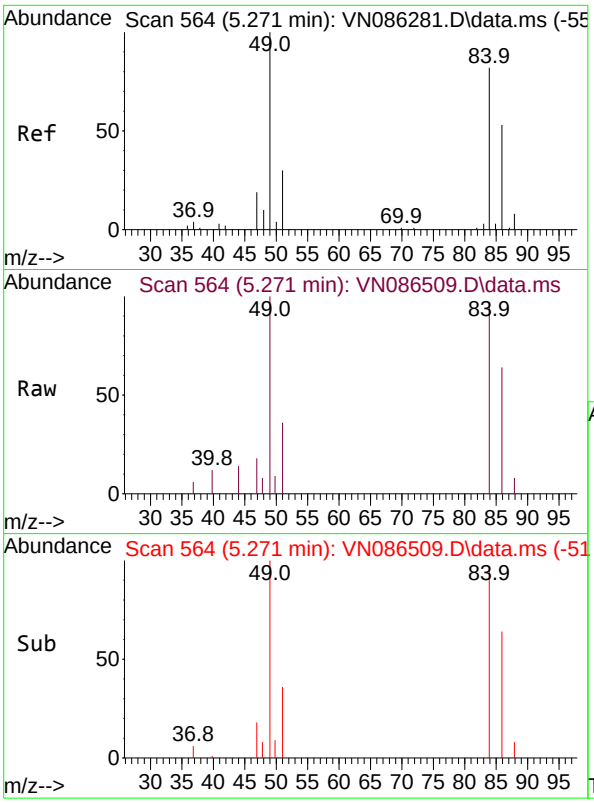


#18
Methyl Acetate
Concen: 0.865 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN086509.D
Acq: 06 May 2025 12:58

Tgt Ion: 43 Resp: 2562

Ion	Ratio	Lower	Upper
43	100		
74	16.5	19.8	29.6#



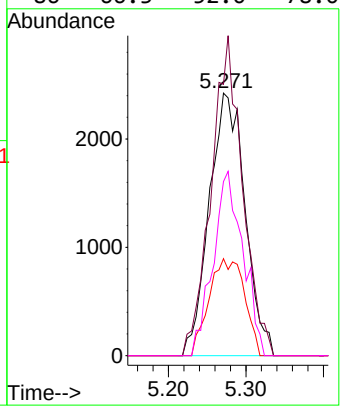


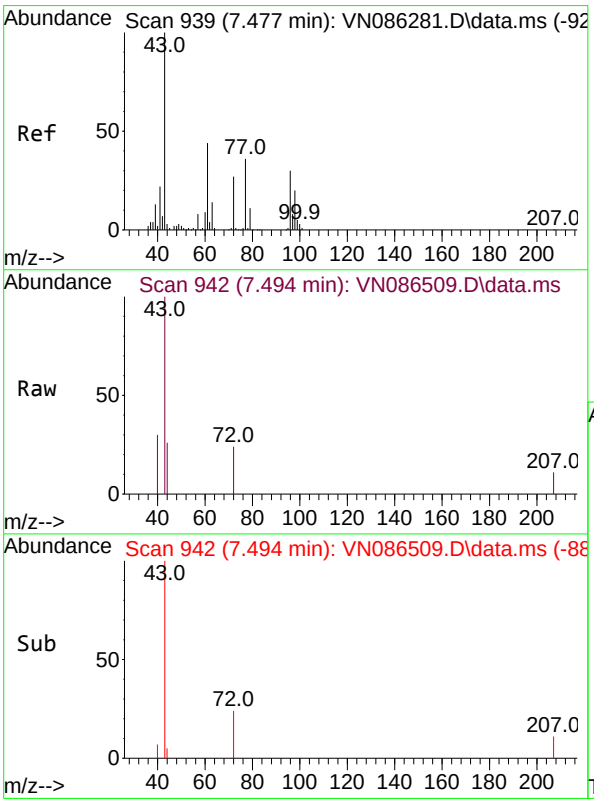
#20
Methylene Chloride
Concen: 3.414 ug/l
RT: 5.271 min Scan# 5
Delta R.T. -0.000 min
Lab File: VN086509.D
Acq: 06 May 2025 12:58

Instrument :
MSVOA_N
ClientSampleId :
MH-P

Tgt Ion: 84 Resp: 7788

Ion	Ratio	Lower	Upper
84	100		
49	103.3	98.2	147.2
51	36.9	29.8	44.6
86	66.3	52.0	78.0

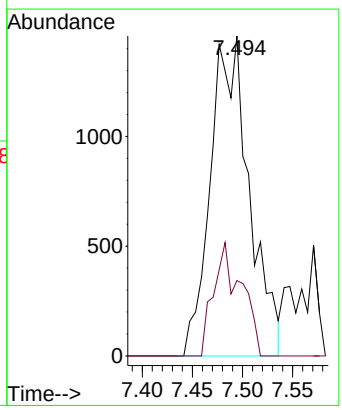


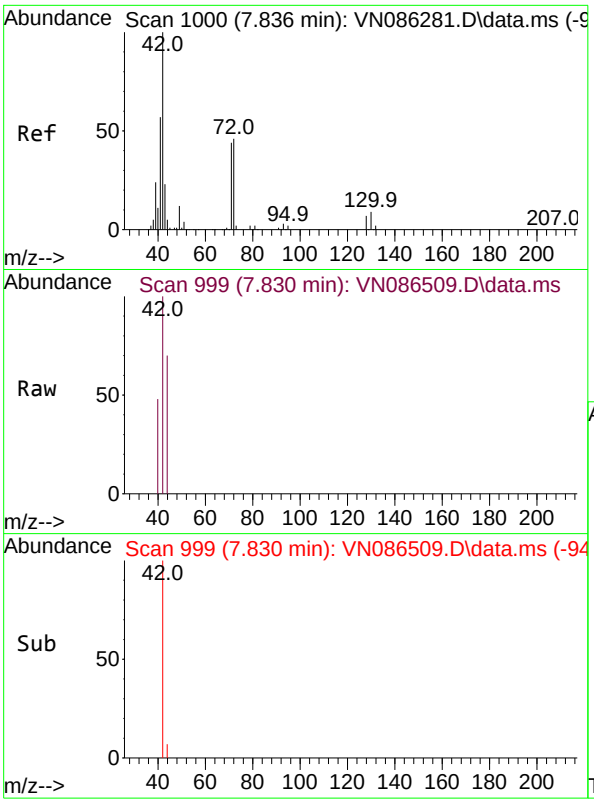


#25
2-Butanone
Concen: 2.546 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.018 min
Lab File: VN086509.D
Acq: 06 May 2025 12:58

Tgt Ion: 43 Resp: 3910

Ion	Ratio	Lower	Upper
43	100		
72	23.5	21.7	32.5



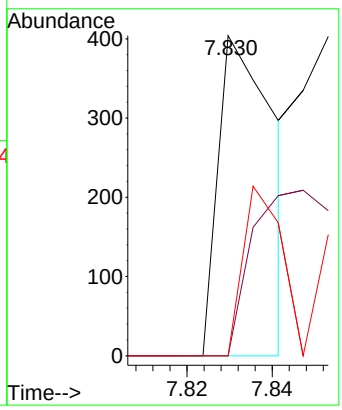


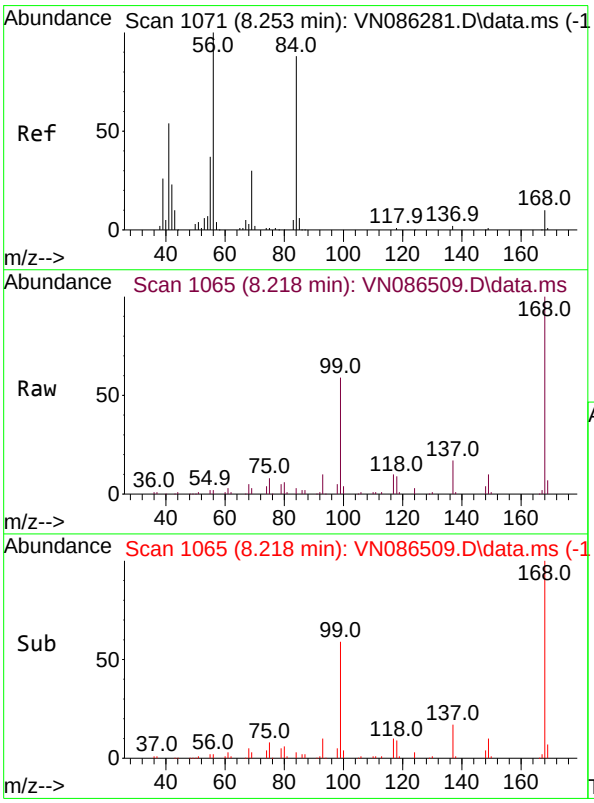
#29
Tetrahydrofuran
Concen: 0.360 ug/l
RT: 7.830 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN086509.D
Acq: 06 May 2025 12:58

Instrument :
MSVOA_N
ClientSampleId :
MH-P

Tgt Ion: 42 Resp: 370

Ion	Ratio	Lower	Upper
42	100		
72	102.4	36.2	54.4#
71	51.1	34.0	51.0#

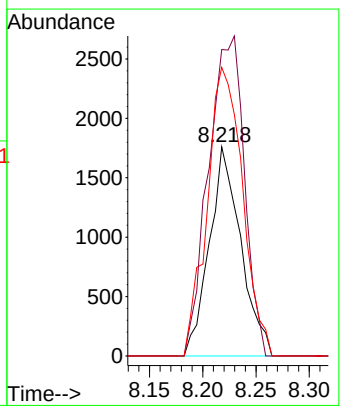


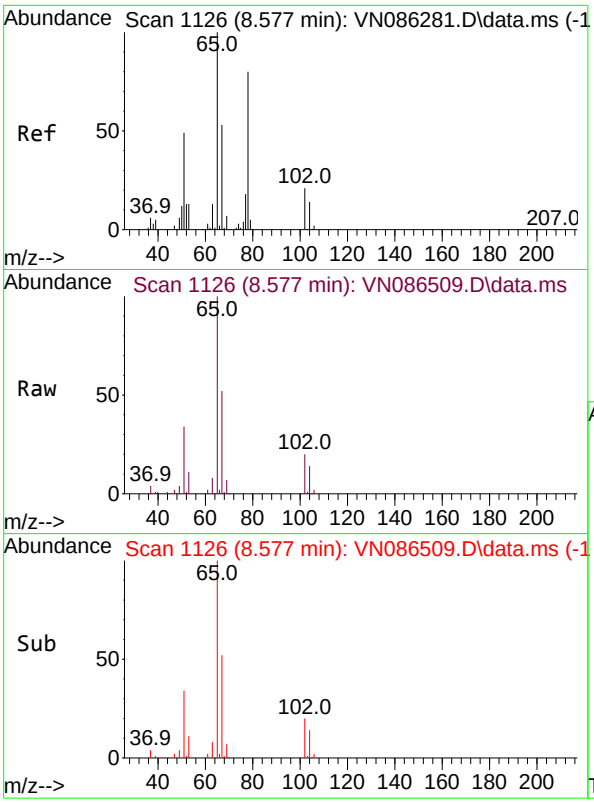


#31
Cyclohexane
Concen: 0.903 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN086509.D
Acq: 06 May 2025 12:58

Tgt Ion: 56 Resp: 3611

Ion	Ratio	Lower	Upper
56	100		
69	146.6	24.2	36.2#
84	138.1	70.3	105.5#



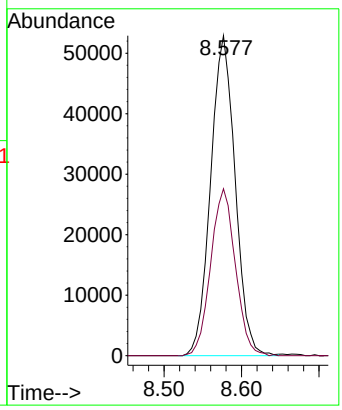


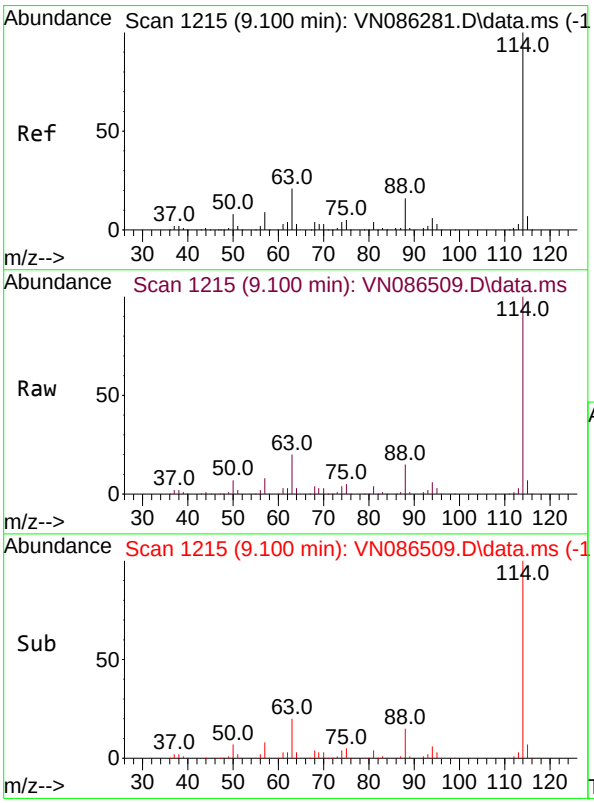
#33
1,2-Dichloroethane-d4
Concen: 47.105 ug/l
RT: 8.577 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086509.D
Acq: 06 May 2025 12:58

Instrument :
MSVOA_N
ClientSampleId :
MH-P

Tgt Ion: 65 Resp: 116232

Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	106.0

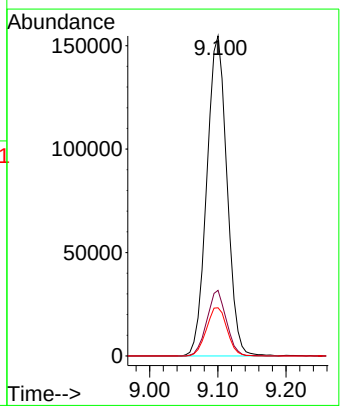


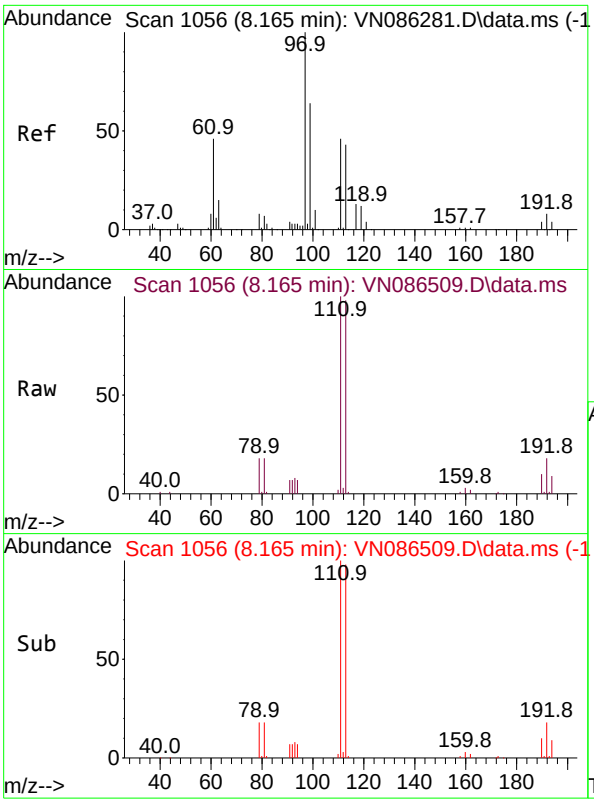


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN086509.D
Acq: 06 May 2025 12:58

Tgt Ion:114 Resp: 318641

Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	42.6
88	15.1	0.0	31.8



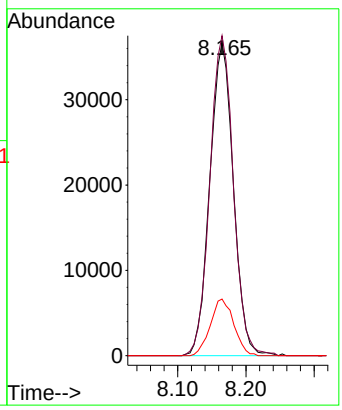


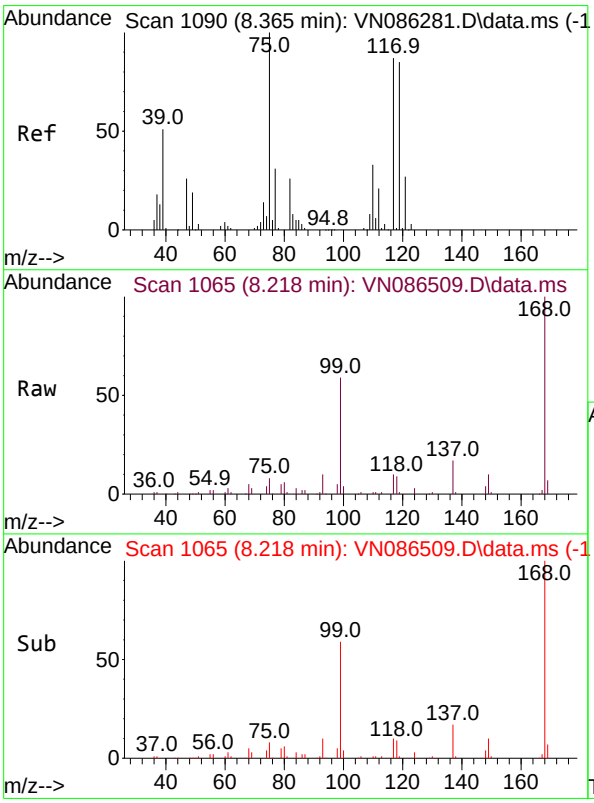
#35
Dibromofluoromethane
Concen: 59.589 ug/l
RT: 8.165 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086509.D
Acq: 06 May 2025 12:58

Instrument :
MSVOA_N
ClientSampleId :
MH-P

Tgt Ion:113 Resp: 88123

Ion	Ratio	Lower	Upper
113	100		
111	101.9	83.4	125.0
192	18.0	13.7	20.5

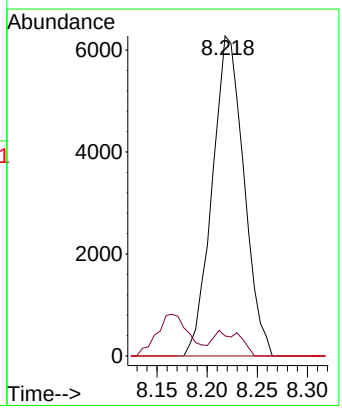


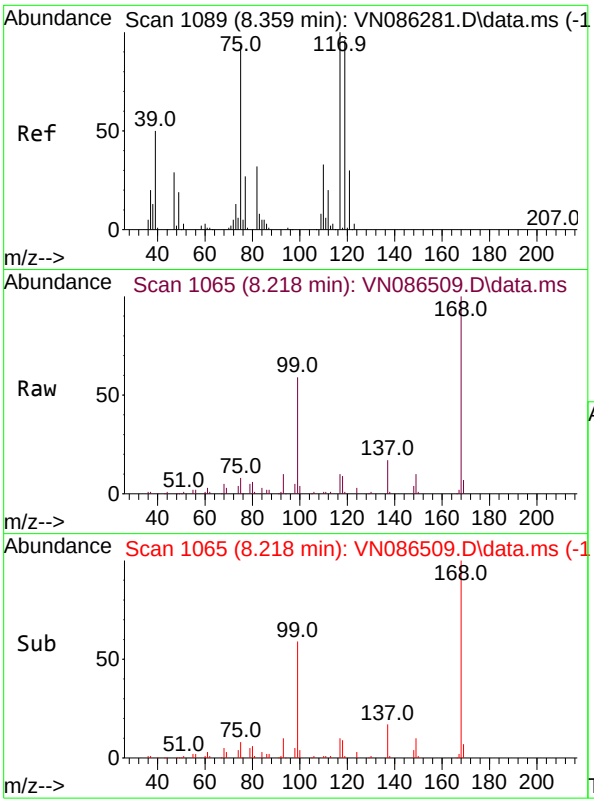


#36
1,1-Dichloropropene
Concen: 4.654 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.147 min
Lab File: VN086509.D
Acq: 06 May 2025 12:58

Tgt Ion: 75 Resp: 13748

Ion	Ratio	Lower	Upper
75	100		
110	6.6	16.8	50.4#
77	0.0	24.9	37.3#



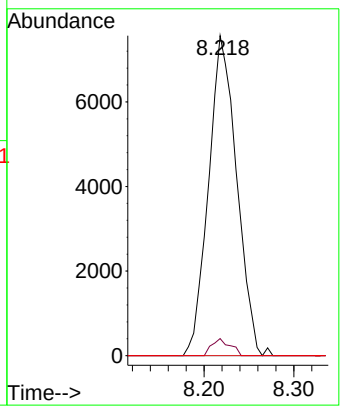


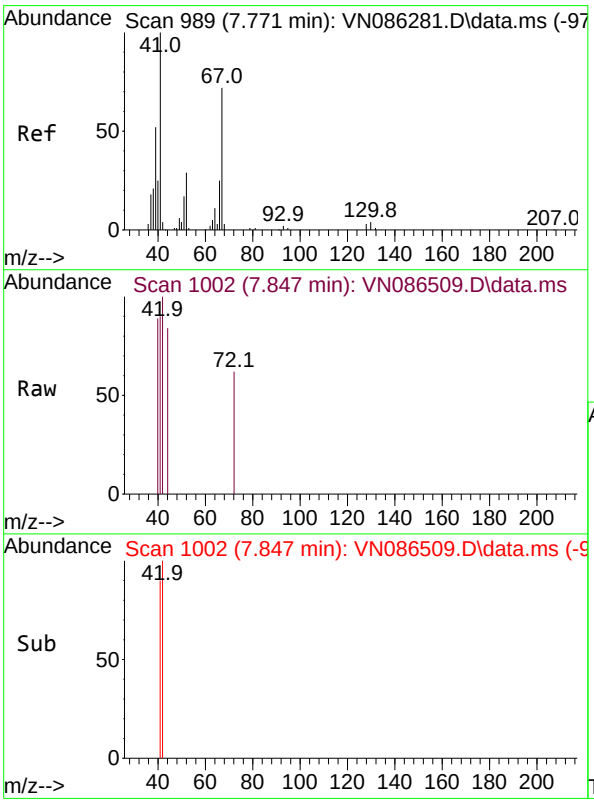
#38
Carbon Tetrachloride
Concen: 5.871 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.141 min
Lab File: VN086509.D
Acq: 06 May 2025 12:58

Instrument :
MSVOA_N
ClientSampleId :
MH-P

Tgt Ion:117 Resp: 16515

Ion	Ratio	Lower	Upper
117	100		
119	5.3	76.8	115.2#
121	0.0	23.8	35.8#

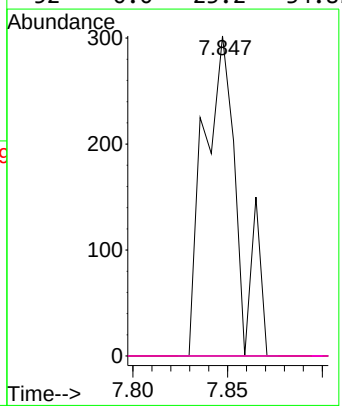


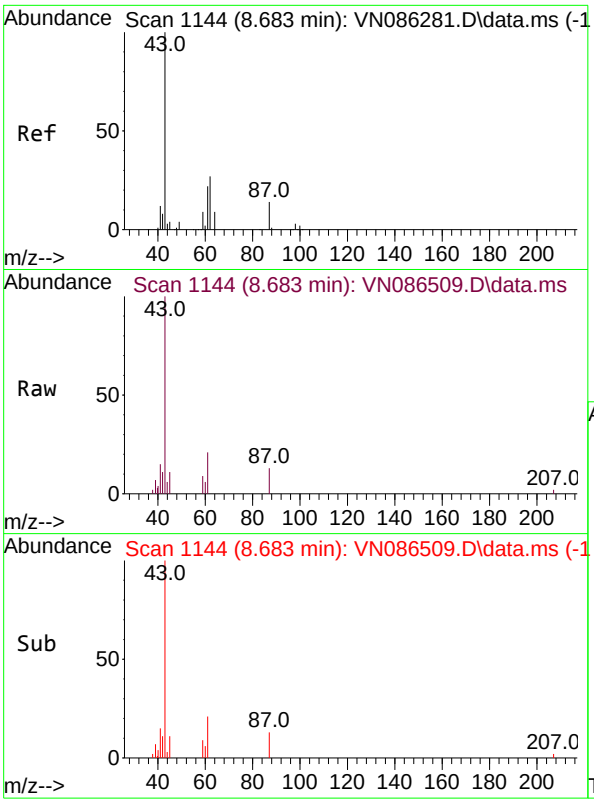


#41
Methacrylonitrile
Concen: 0.210 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.076 min
Lab File: VN086509.D
Acq: 06 May 2025 12:58

Tgt Ion: 41 Resp: 378

Ion	Ratio	Lower	Upper
41	100		
39	0.0	43.0	64.4#
67	0.0	58.8	88.2#
52	0.0	23.2	34.8#



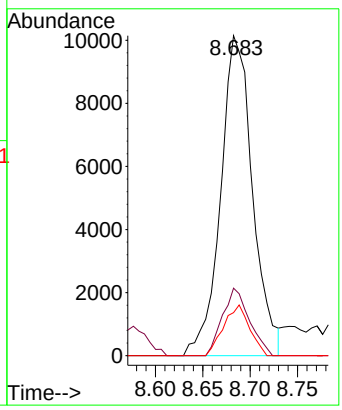


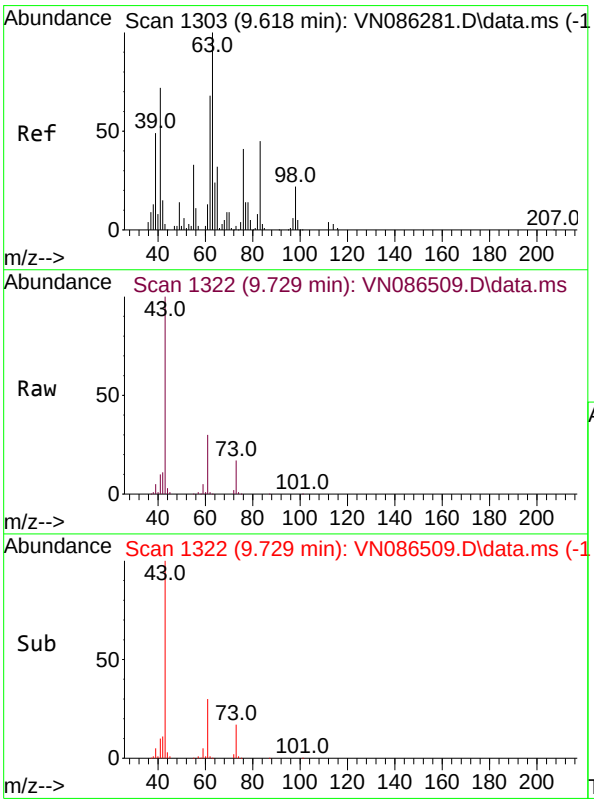
#43
Isopropyl Acetate
Concen: 2.457 ug/l
RT: 8.683 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086509.D
Acq: 06 May 2025 12:58

Instrument :
MSVOA_N
ClientSampleId :
MH-P

Tgt Ion: 43 Resp: 23850

Ion	Ratio	Lower	Upper
43	100		
61	17.8	20.5	30.7#
87	12.8	10.5	15.7

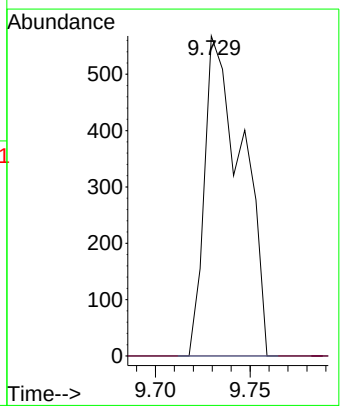


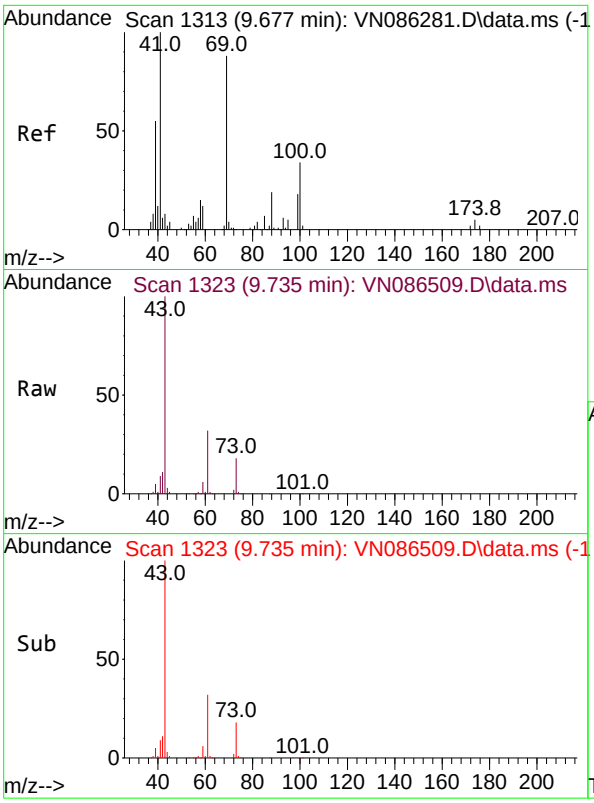


#45
1,2-Dichloropropane
Concen: 0.340 ug/l
RT: 9.729 min Scan# 1322
Delta R.T. 0.112 min
Lab File: VN086509.D
Acq: 06 May 2025 12:58

Tgt Ion: 63 Resp: 787

Ion	Ratio	Lower	Upper
63	100		
65	0.0	25.4	38.2#



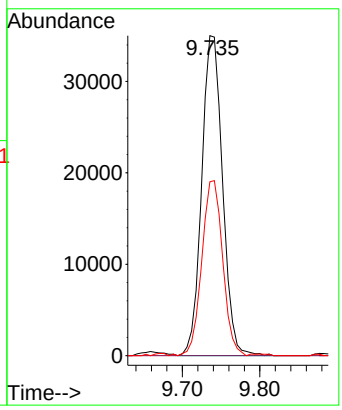


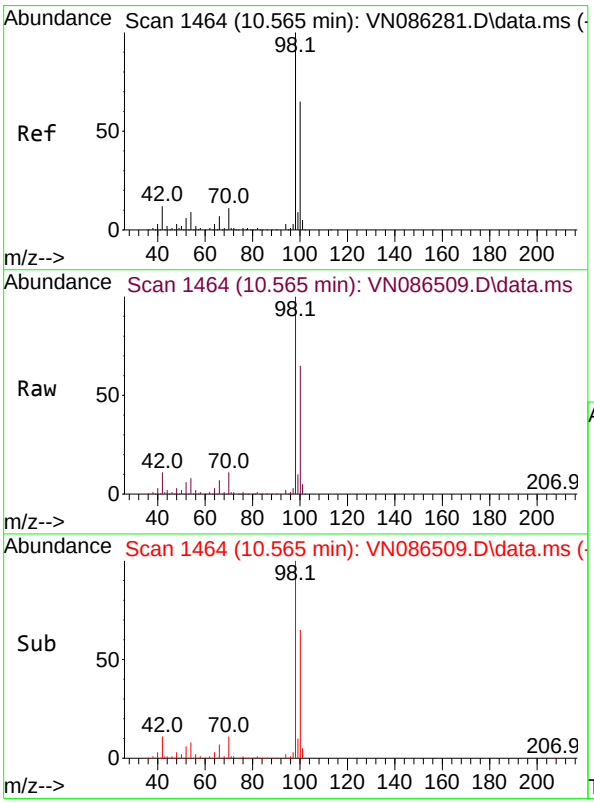
#48
Methyl methacrylate
Concen: 23.957 ug/l
RT: 9.735 min Scan# 1
Delta R.T. 0.059 min
Lab File: VN086509.D
Acq: 06 May 2025 12:58

Instrument :
MSVOA_N
ClientSampleId :
MH-P

Tgt Ion: 41 Resp: 65422

Ion	Ratio	Lower	Upper
41	100		
69	0.0	68.2	102.2#
39	54.7	45.2	67.8

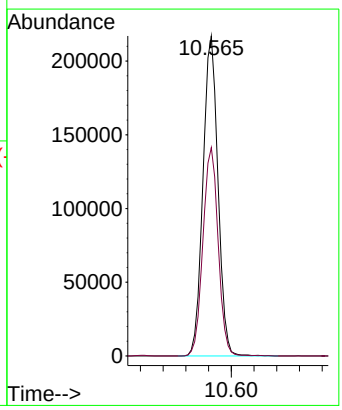


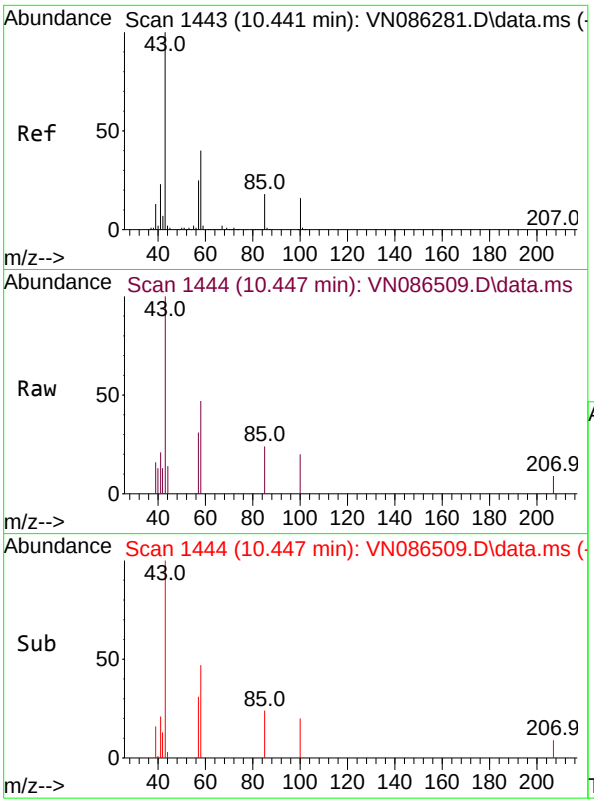


#50
Toluene-d8
Concen: 50.128 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN086509.D
Acq: 06 May 2025 12:58

Tgt Ion: 98 Resp: 396195

Ion	Ratio	Lower	Upper
98	100		
100	66.0	52.5	78.7



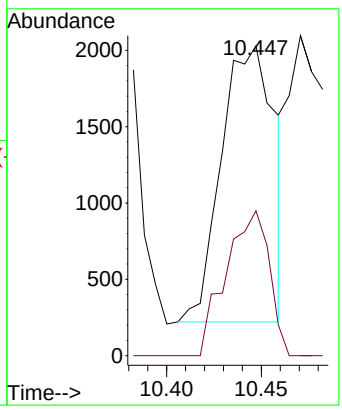


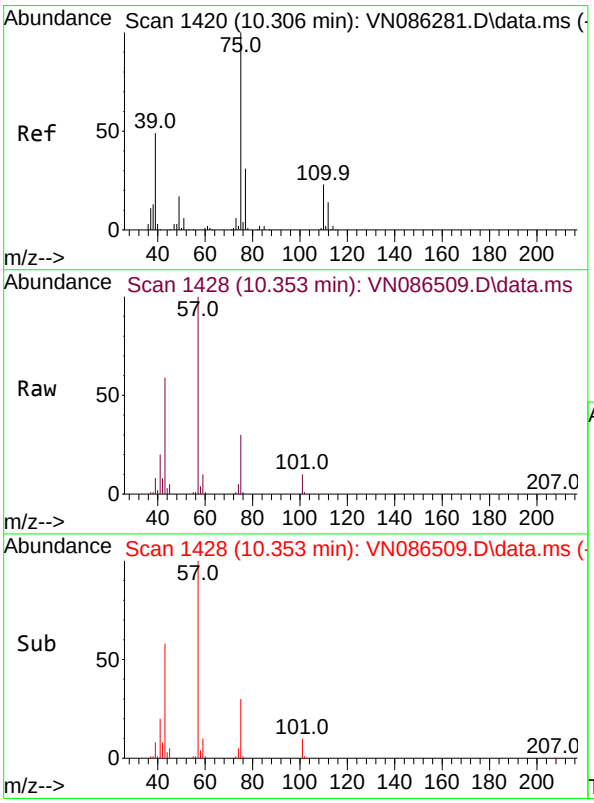
#51
4-Methyl-2-Pentanone
Concen: 1.105 ug/l
RT: 10.447 min Scan# 14
Delta R.T. 0.006 min
Lab File: VN086509.D
Acq: 06 May 2025 12:58

Instrument :
MSVOA_N
ClientSampleId :
MH-P

Tgt Ion: 43 Resp: 3518

Ion	Ratio	Lower	Upper
43	100		
58	42.8	32.2	48.4

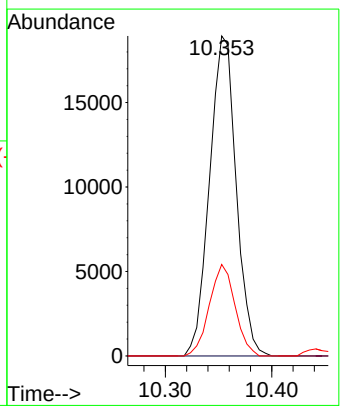


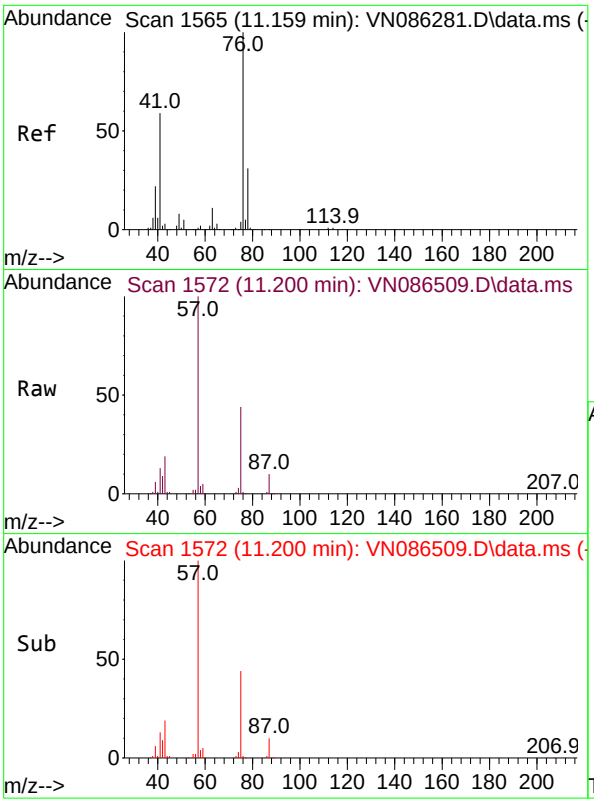


#54
cis-1,3-Dichloropropene
Concen: 8.413 ug/l
RT: 10.353 min Scan# 1428
Delta R.T. 0.047 min
Lab File: VN086509.D
Acq: 06 May 2025 12:58

Tgt Ion: 75 Resp: 32884

Ion	Ratio	Lower	Upper
75	100		
77	0.0	25.2	37.8#
39	28.6	39.3	58.9#



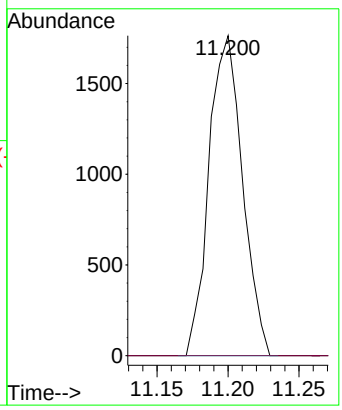


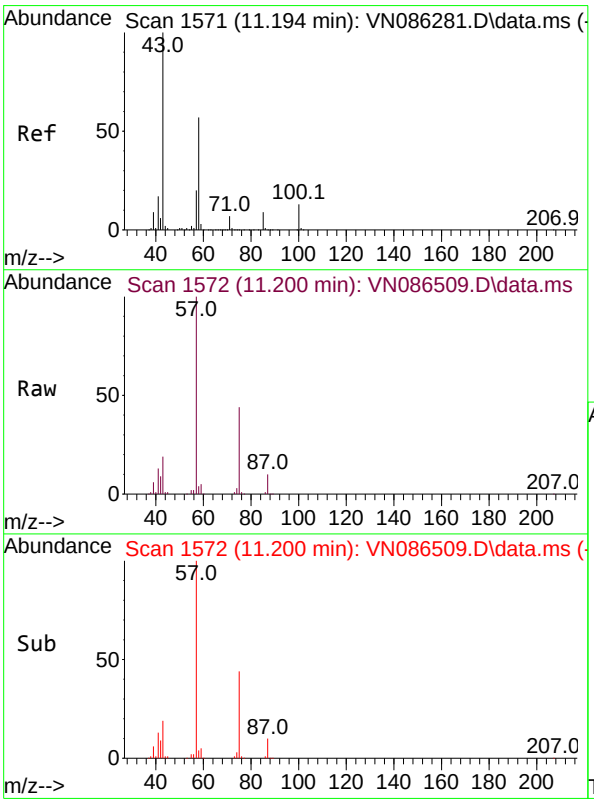
#57
1,3-Dichloropropane
Concen: 0.768 ug/l
RT: 11.200 min Scan# 1
Delta R.T. 0.041 min
Lab File: VN086509.D
Acq: 06 May 2025 12:58

Instrument :
MSVOA_N
ClientSampleId :
MH-P

Tgt Ion: 76 Resp: 2896

Ion	Ratio	Lower	Upper
76	100		
78	0.0	25.6	38.4#

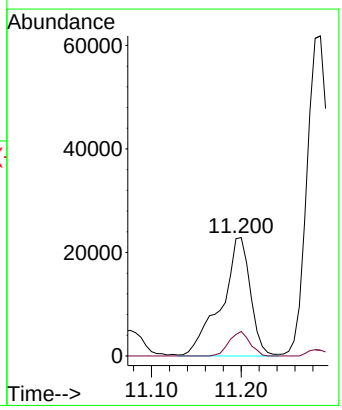


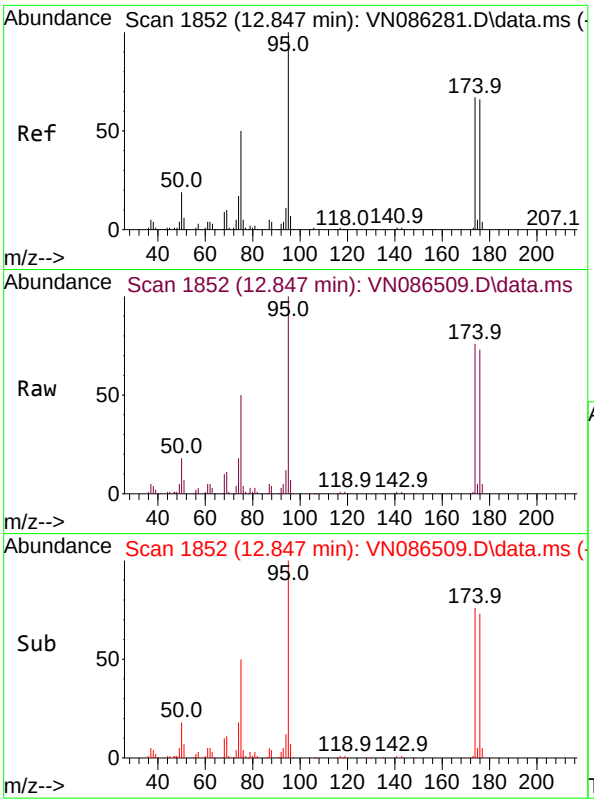


#59
2-Hexanone
Concen: 21.807 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.006 min
Lab File: VN086509.D
Acq: 06 May 2025 12:58

Tgt Ion: 43 Resp: 51506

Ion	Ratio	Lower	Upper
43	100		
58	14.7	28.3	85.0#



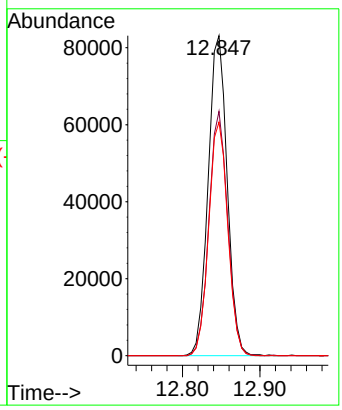


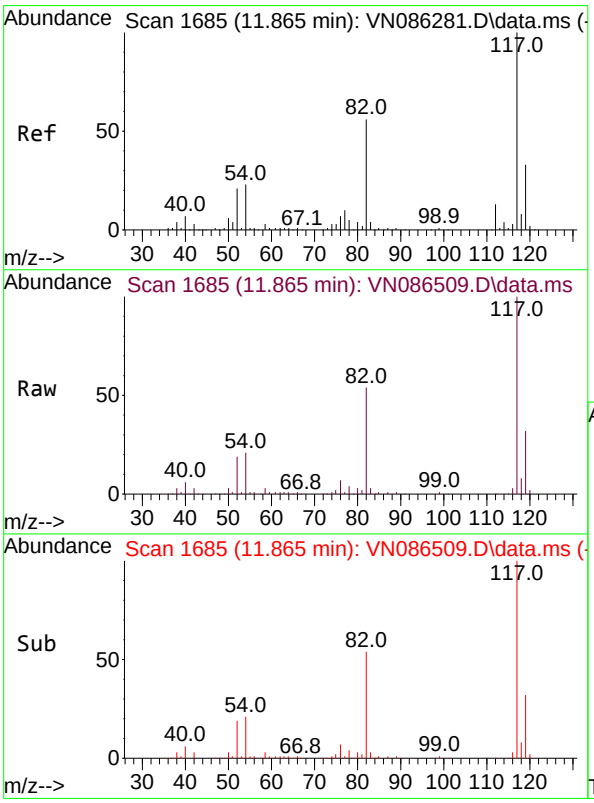
#62
4-Bromofluorobenzene
Concen: 49.190 ug/l
RT: 12.847 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086509.D
Acq: 06 May 2025 12:58

Instrument :
MSVOA_N
ClientSampleId :
MH-P

Tgt Ion: 95 Resp: 141805

Ion	Ratio	Lower	Upper
95	100		
174	75.3	0.0	133.4
176	73.2	0.0	129.2

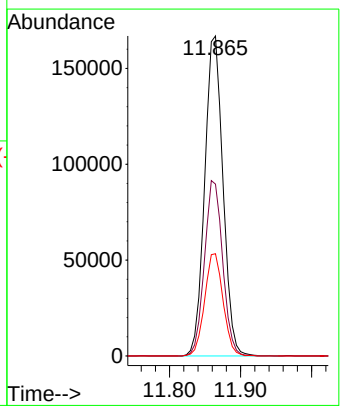


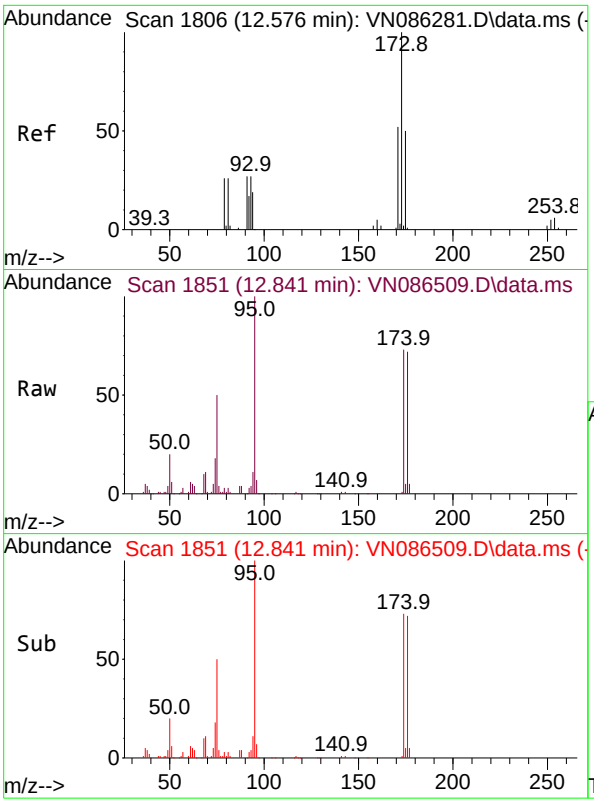


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086509.D
Acq: 06 May 2025 12:58

Tgt Ion:117 Resp: 299181

Ion	Ratio	Lower	Upper
117	100		
82	53.7	44.7	67.1
119	32.0	26.4	39.6



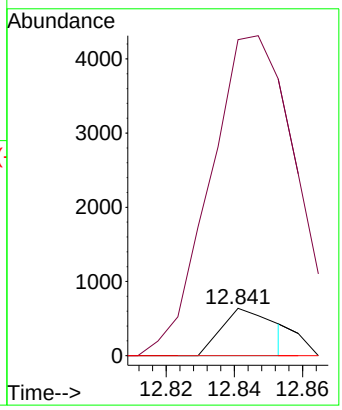


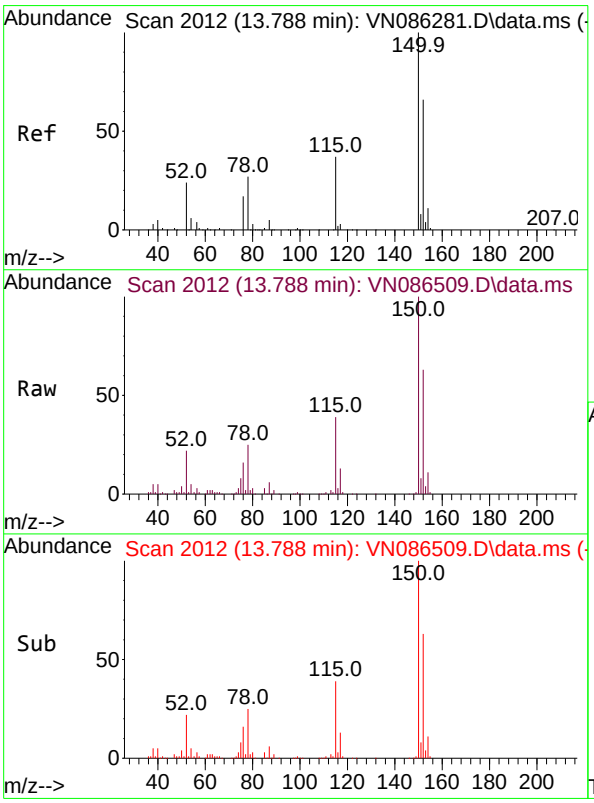
#71
Bromoform
Concen: 0.410 ug/l
RT: 12.841 min Scan# 1
Delta R.T. 0.265 min
Lab File: VN086509.D
Acq: 06 May 2025 12:58

Instrument :
MSVOA_N
ClientSampleId :
MH-P

Tgt Ion:173 Resp: 680

Ion	Ratio	Lower	Upper
173	100		
175	912.4	24.6	73.6#
254	0.0	0.0	0.0

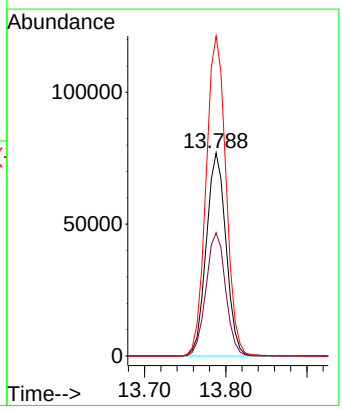


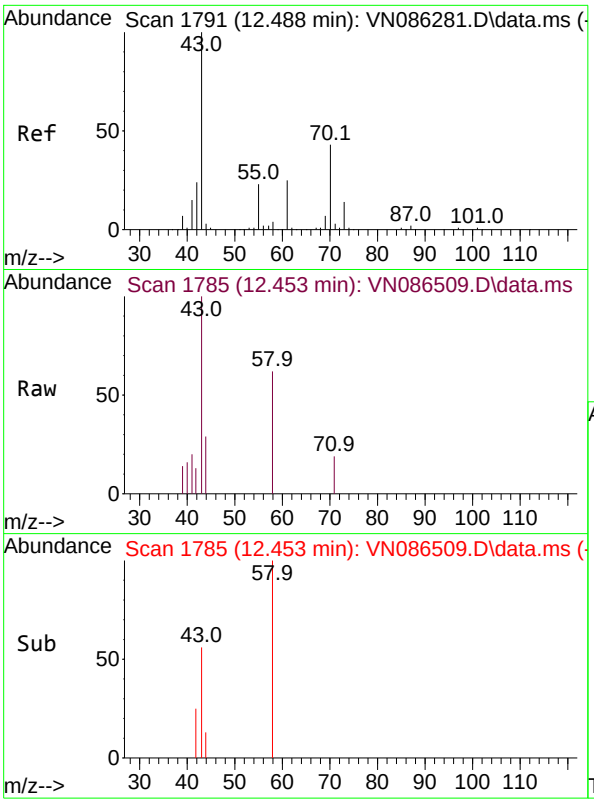


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086509.D
Acq: 06 May 2025 12:58

Tgt Ion:152 Resp: 129491

Ion	Ratio	Lower	Upper
152	100		
115	60.4	31.9	95.9
150	159.1	0.0	352.0



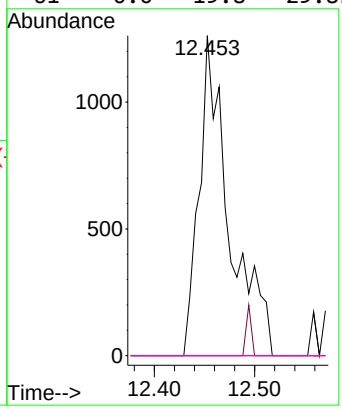


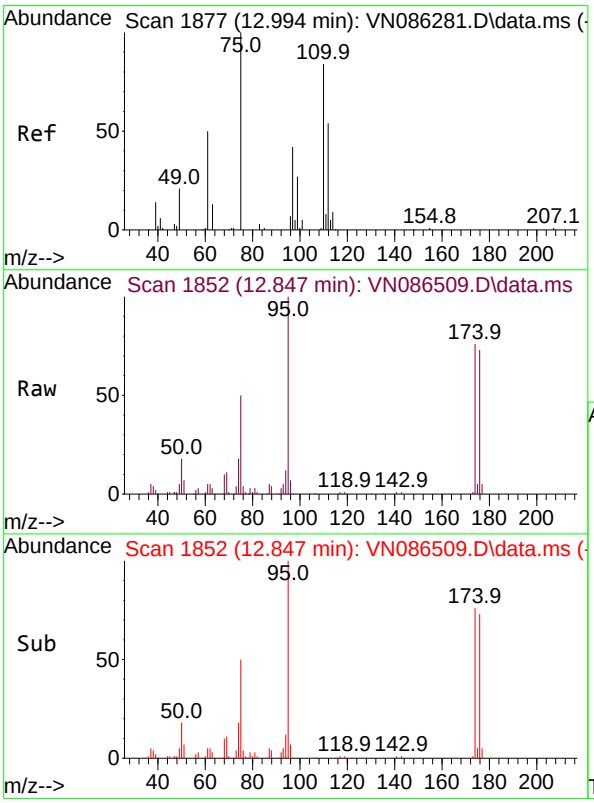
#74
N-amyl acetate
Concen: 0.498 ug/l
RT: 12.453 min Scan# 1
Delta R.T. -0.035 min
Lab File: VN086509.D
Acq: 06 May 2025 12:58

Instrument :
MSVOA_N
ClientSampleId :
MH-P

Tgt Ion: 43 Resp: 2626

Ion	Ratio	Lower	Upper
43	100		
70	0.0	35.0	52.4#
55	0.0	19.0	28.4#
61	0.0	19.8	29.8#

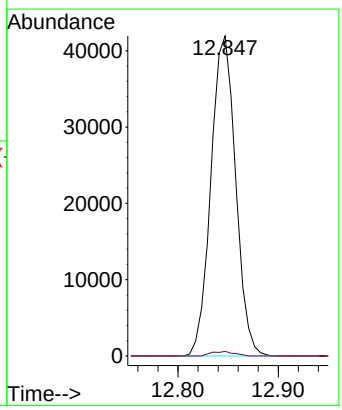


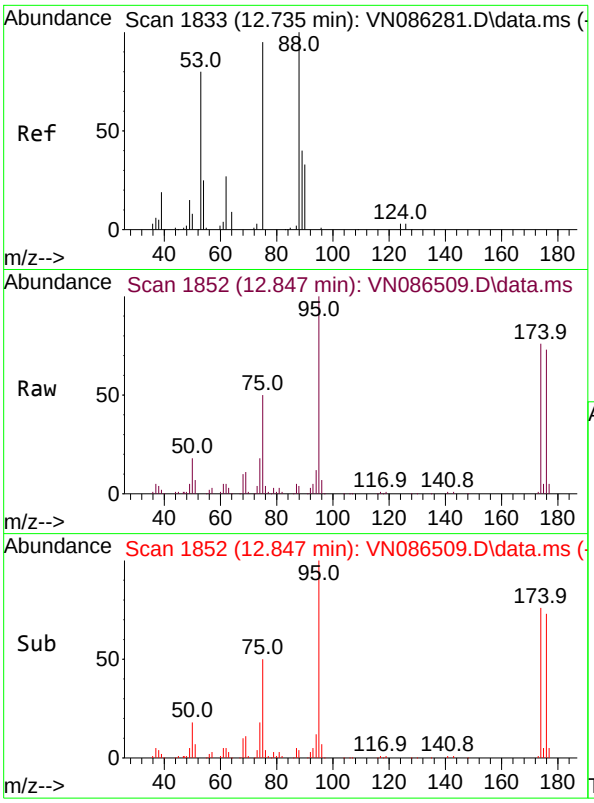


#76
1,2,3-Trichloropropane
Concen: 23.521 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN086509.D
Acq: 06 May 2025 12:58

Tgt Ion: 75 Resp: 71876

Ion	Ratio	Lower	Upper
75	100		
77	1.3	98.8	296.4#



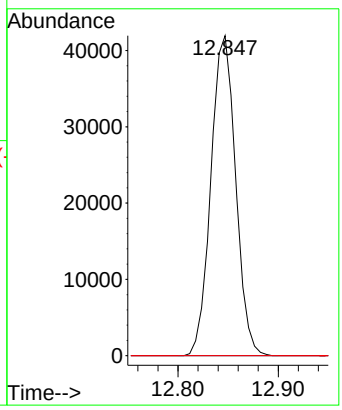


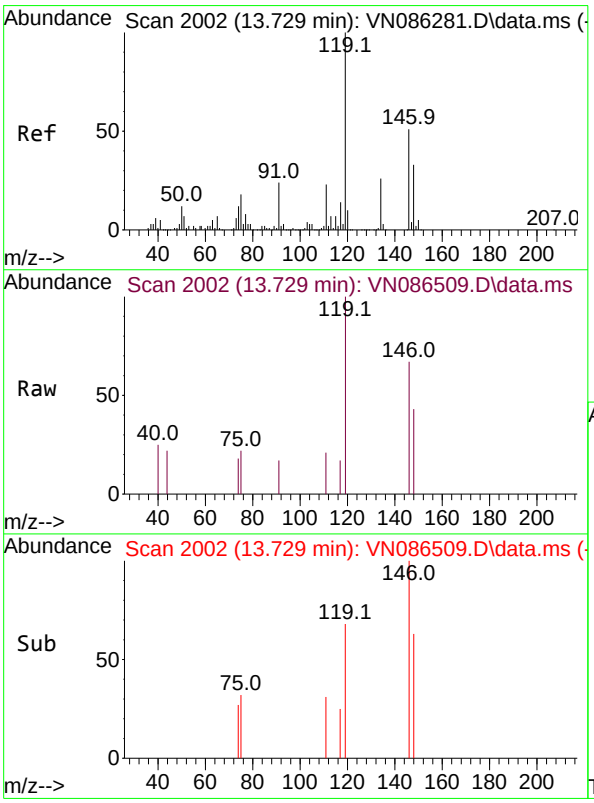
#81
trans-1,4-Dichloro-2-butene
Concen: 56.489 ug/l
RT: 12.847 min Scan# 1
Delta R.T. 0.112 min
Lab File: VN086509.D
Acq: 06 May 2025 12:58

Instrument :
MSVOA_N
ClientSampleId :
MH-P

Tgt Ion: 75 Resp: 71876

Ion	Ratio	Lower	Upper
75	100		
53	0.0	79.2	118.8#
89	0.0	35.7	53.5#

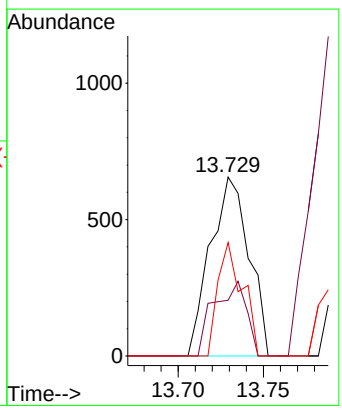


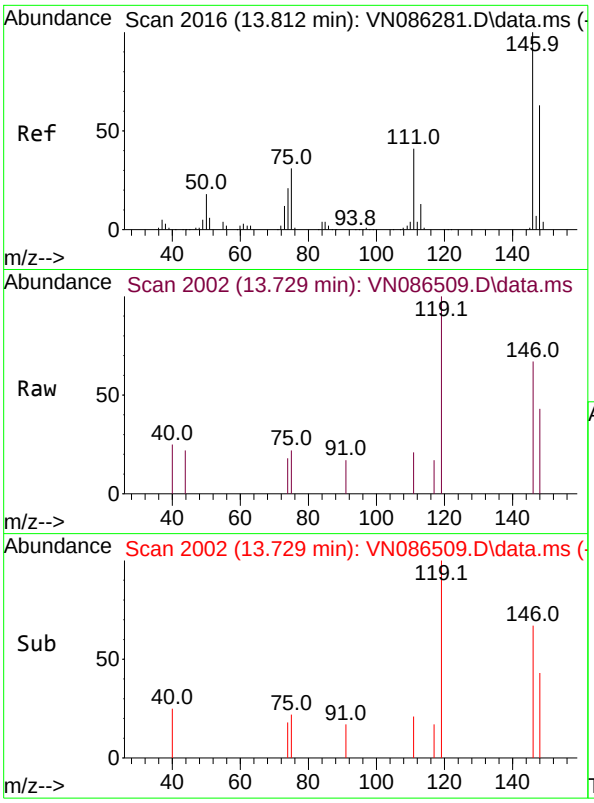


#87
1,3-Dichlorobenzene
Concen: 0.235 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN086509.D
Acq: 06 May 2025 12:58

Tgt Ion:146 Resp: 1035

Ion	Ratio	Lower	Upper
146	100		
111	35.0	21.9	65.7
148	40.6	31.9	95.5



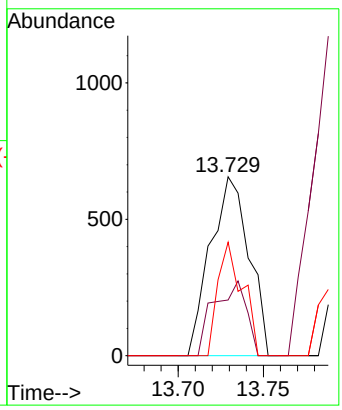


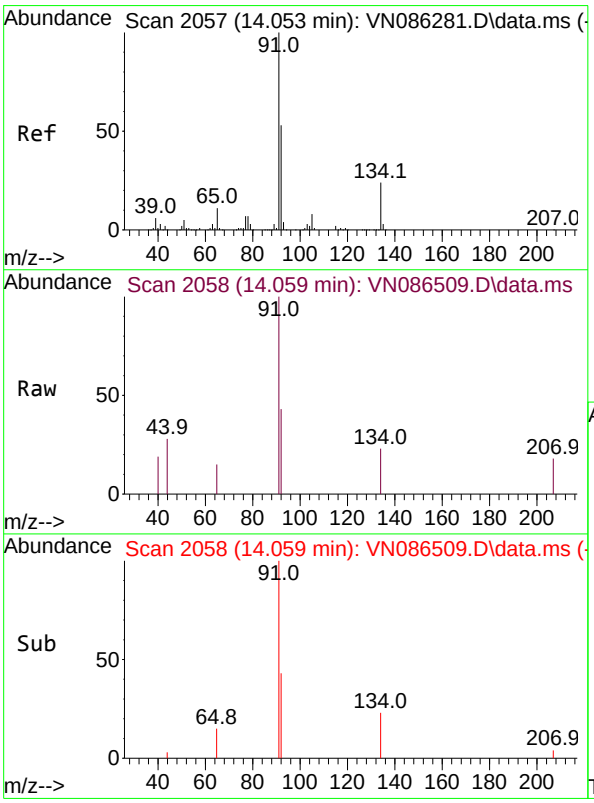
#88
1,4-Dichlorobenzene
Concen: 0.233 ug/l
RT: 13.729 min Scan# 2
Delta R.T. -0.082 min
Lab File: VN086509.D
Acq: 06 May 2025 12:58

Instrument :
MSVOA_N
ClientSampleId :
MH-P

Tgt Ion:146 Resp: 1035

Ion	Ratio	Lower	Upper
146	100		
111	35.0	21.3	63.9
148	40.6	31.9	95.9

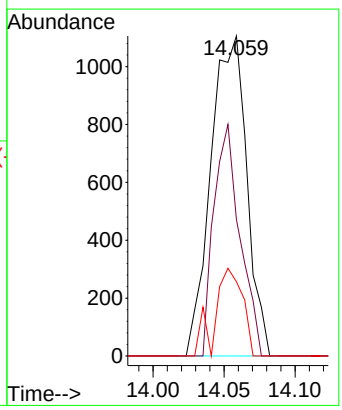


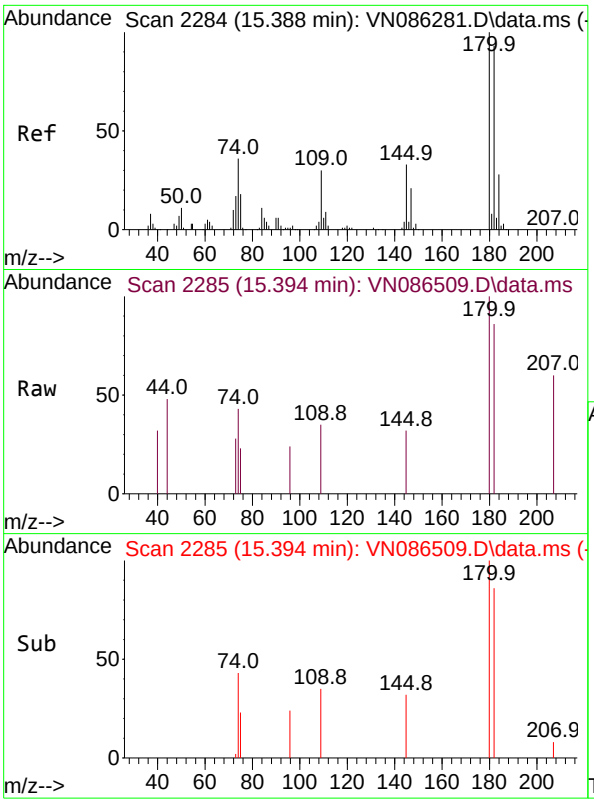


#89
n-Butylbenzene
Concen: 0.256 ug/l
RT: 14.059 min Scan# 2058
Delta R.T. 0.006 min
Lab File: VN086509.D
Acq: 06 May 2025 12:58

Tgt Ion: 91 Resp: 1949

Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.8	80.4
134	21.0	12.2	36.6



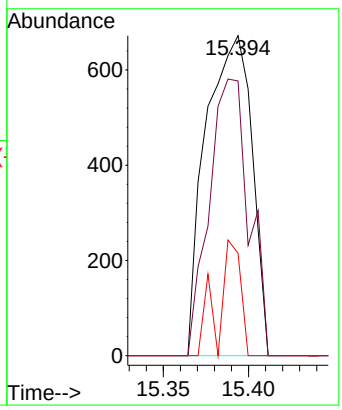


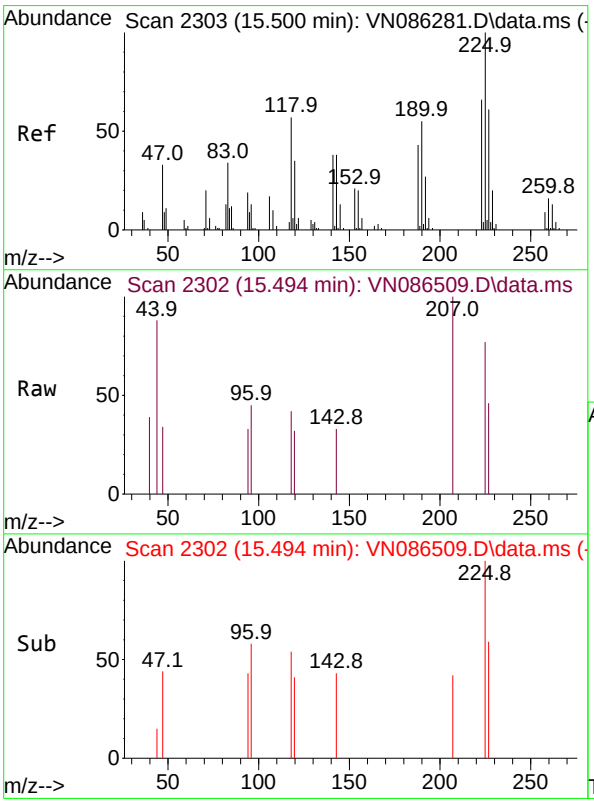
#93
1,2,4-Trichlorobenzene
Concen: 0.619 ug/l
RT: 15.394 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN086509.D
Acq: 06 May 2025 12:58

Instrument :
MSVOA_N
ClientSampleId :
MH-P

Tgt Ion:180 Resp: 1267

Ion	Ratio	Lower	Upper
180	100		
182	74.6	47.0	141.0
145	17.5	16.4	49.1

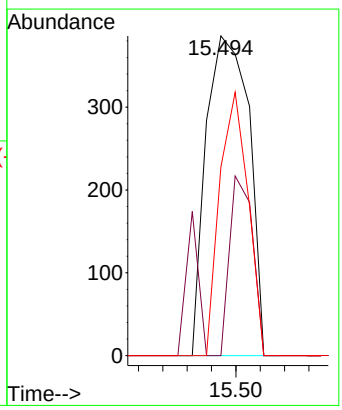


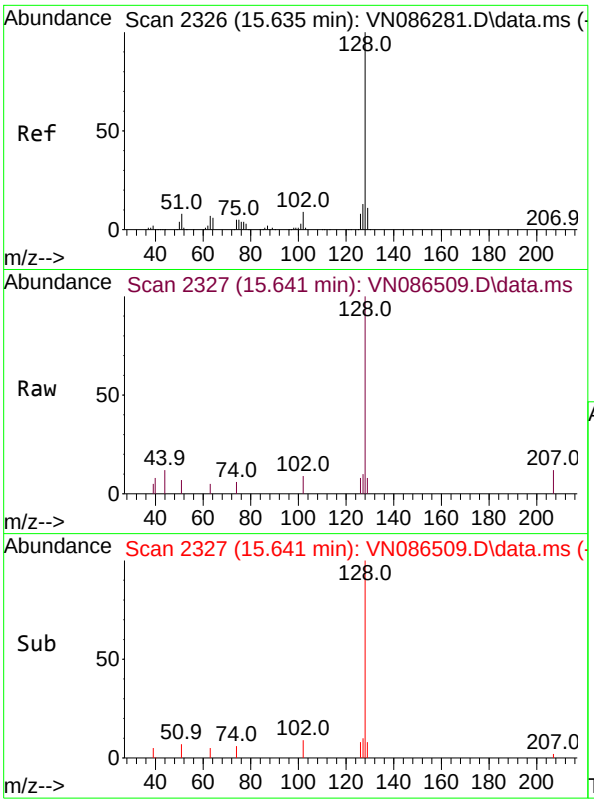


#94
Hexachlorobutadiene
Concen: 0.609 ug/l
RT: 15.494 min Scan# 2302
Delta R.T. -0.006 min
Lab File: VN086509.D
Acq: 06 May 2025 12:58

Tgt Ion:225 Resp: 471

Ion	Ratio	Lower	Upper
225	100		
223	30.1	32.8	98.3#
227	54.6	31.4	94.0



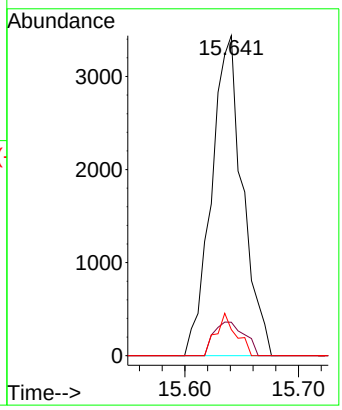


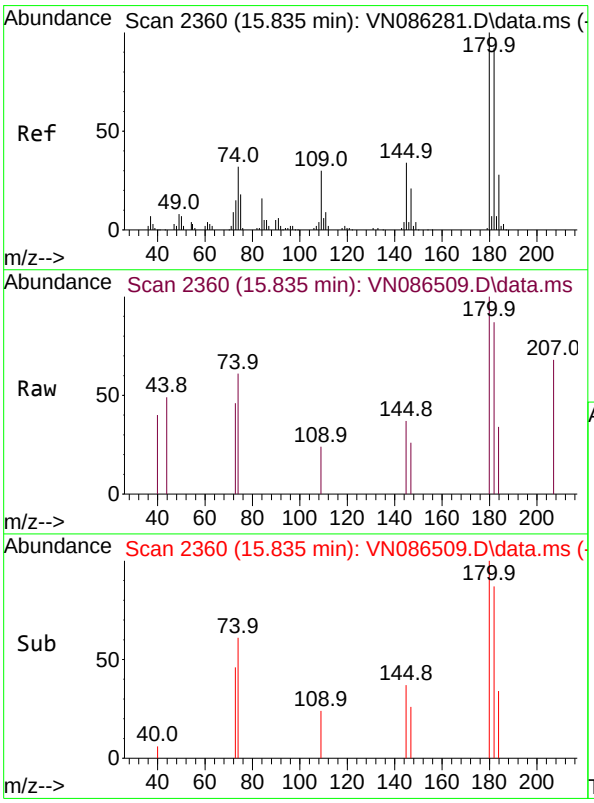
#95
Naphthalene
Concen: 0.902 ug/l
RT: 15.641 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN086509.D
Acq: 06 May 2025 12:58

Instrument :
MSVOA_N
ClientSampleId :
MH-P

Tgt Ion:128 Resp: 6549

Ion	Ratio	Lower	Upper
128	100		
127	10.4	10.2	15.4
129	8.5	8.6	13.0#





#96
1,2,3-Trichlorobenzene
Concen: 0.645 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN086509.D
Acq: 06 May 2025 12:58

Tgt Ion:180 Resp: 1251

Ion	Ratio	Lower	Upper
180	100		
182	91.8	47.3	142.0
145	15.7	17.2	51.5#