Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051525\
Data File : VN086636.D
Acq On : 15 May 2025 11:34
Operator : JC\MD
Sample : PB167995TB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
PB167995TB

Quant Time: May 16 05:24:01 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	210082	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	390367	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	376634	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	164068	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	140254	46.040	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 92.080%			
35) Dibromofluoromethane	8.165	113	115171	63.569	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 127.140%#			
50) Toluene-d8	10.565	98	496514	51.278	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.560%			
62) 4-Bromofluorobenzene	12.847	95	182720	51.737	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.480%			
Target Compounds						Qvalue
3) Chloromethane	2.365	50	1149	0.317	ug/l	97
5) Bromomethane	2.983	94	843	0.543	ug/l #	46
10) Methyl Iodide	4.583	142	678	0.266	ug/l #	72
13) Acrolein	4.189	56	112	Below Cal	#	71
15) Acrylonitrile	5.718	53	331	0.241	ug/l #	65
16) Acetone	4.424	43	37561	30.655	ug/l	99
17) Carbon Disulfide	4.712	76	1807	0.244	ug/l #	74
18) Methyl Acetate	5.018	43	3247	0.888	ug/l #	64
20) Methylene Chloride	5.277	84	6723	2.387	ug/l #	84
25) 2-Butanone	7.477	43	4040	2.131	ug/l	93
29) Tetrahydrofuran	7.853	42	925	0.729	ug/l #	66
31) Cyclohexane	8.224	56	4287	0.868	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	16054	4.436	ug/l #	50
38) Carbon Tetrachloride	8.218	117	20639	5.989	ug/l #	15
41) Methacrylonitrile	7.859	41	563	0.255	ug/l #	23
43) Isopropyl Acetate	8.688	43	33021	3.022	ug/l #	90
45) 1,2-Dichloropropane	9.735	63	1248	0.440	ug/l #	43
48) Methyl methacrylate	9.741	41	85392	25.524	ug/l #	41
49) 1,4-Dioxane	9.747	88	56	0.984	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	5277	1.353	ug/l	90
54) cis-1,3-Dichloropropene	10.353	75	46383	9.687	ug/l #	52
57) 1,3-Dichloropropane	11.200	76	4426	0.958	ug/l #	43
59) 2-Hexanone	11.200	43	72824	25.167	ug/l #	43
74) N-amyl acetate	12.453	43	3734	0.559	ug/l #	42
76) 1,2,3-Trichloropropane	12.847	75	88326	22.813	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	88326	54.788	ug/l #	10
89) n-Butylbenzene	14.053	91	2713	0.281	ug/l	97
93) 1,2,4-Trichlorobenzene	15.388	180	1361	0.524	ug/l	92
94) Hexachlorobutadiene	15.506	225	741	0.756	ug/l	89
95) Naphthalene	15.635	128	7837	0.852	ug/l	96
96) 1,2,3-Trichlorobenzene	15.847	180	1731	0.705	ug/l	90

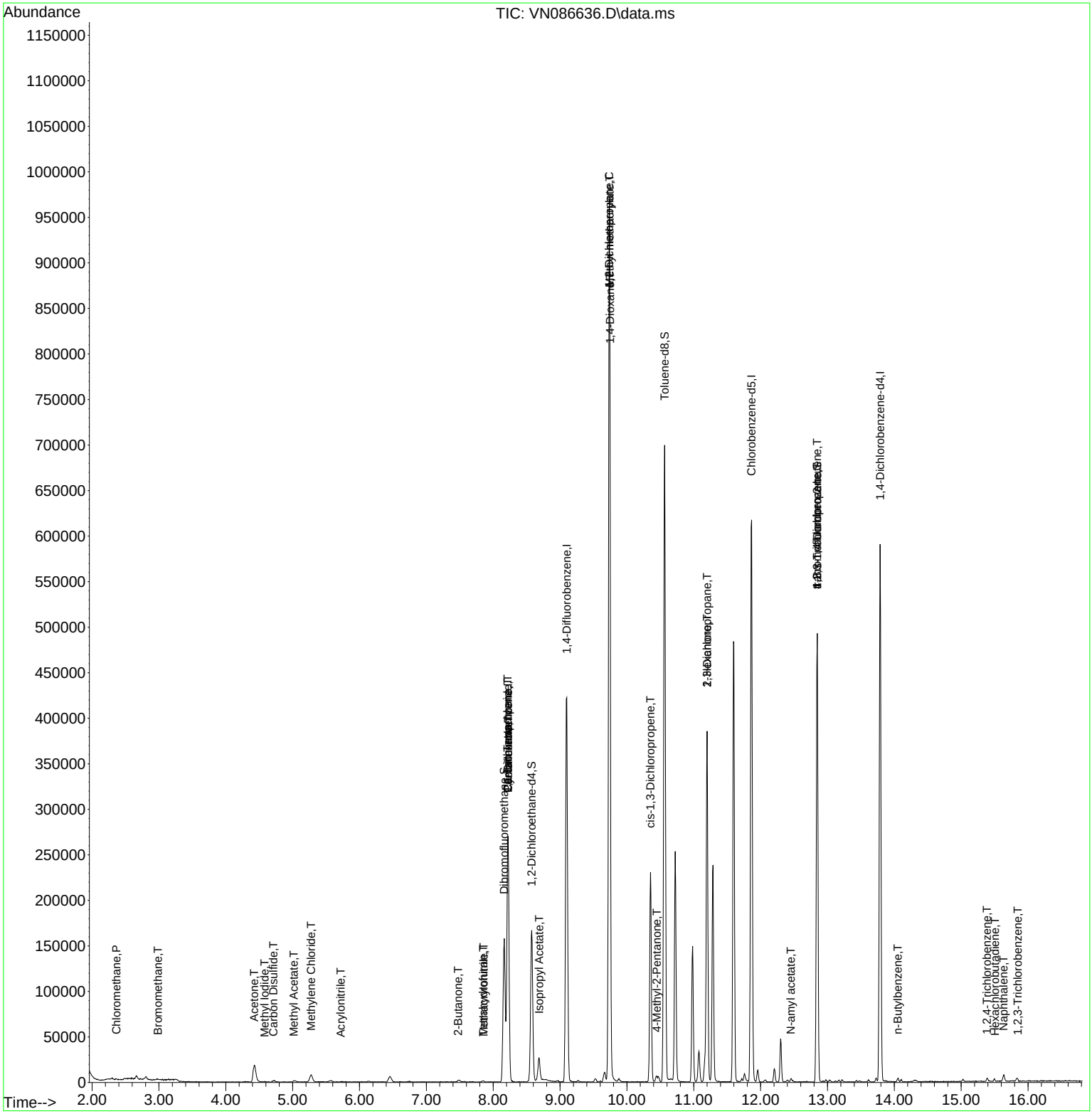
(#) = qualifier out of range (m) = manual integration (+) = signals summed

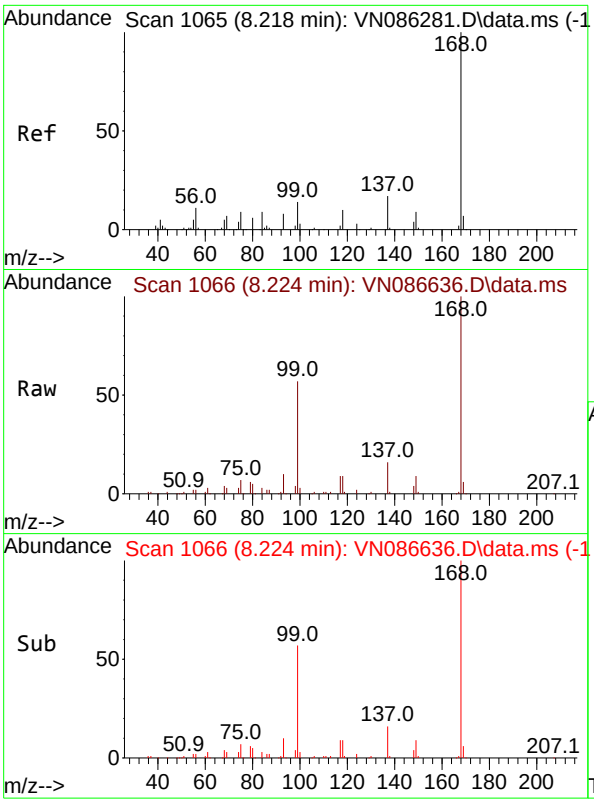
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051525\
Data File : VN086636.D
Acq On : 15 May 2025 11:34
Operator : JC\MD
Sample : PB167995TB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
PB167995TB

Quant Time: May 16 05:24:01 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



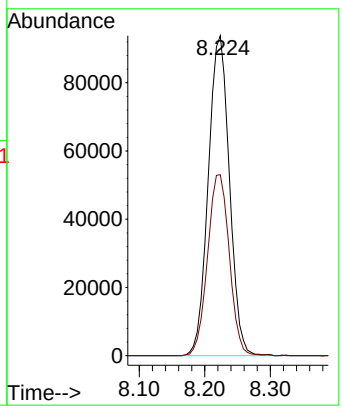


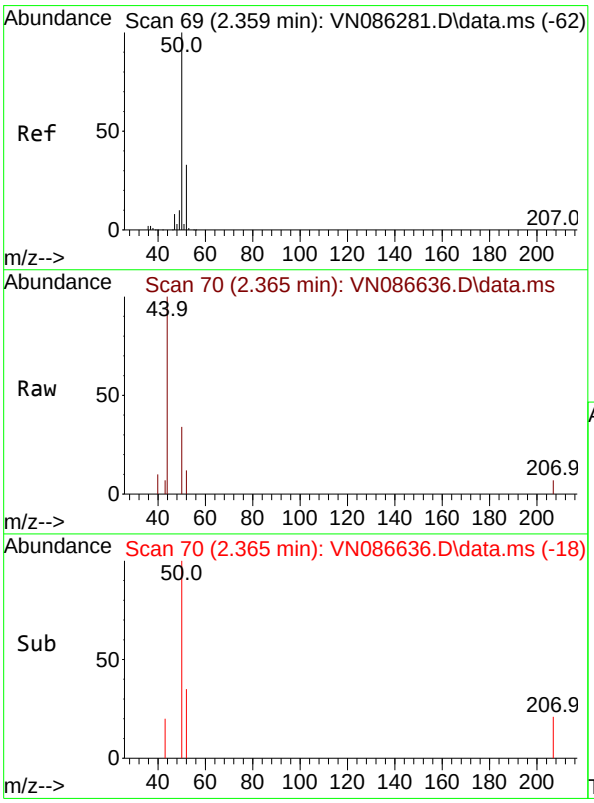
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086636.D
Acq: 15 May 2025 11:34

Instrument :
MSVOA_N
ClientSampleId :
PB167995TB

Tgt Ion:168 Resp: 210082

Ion	Ratio	Lower	Upper
168	100		
99	56.6	52.5	78.7

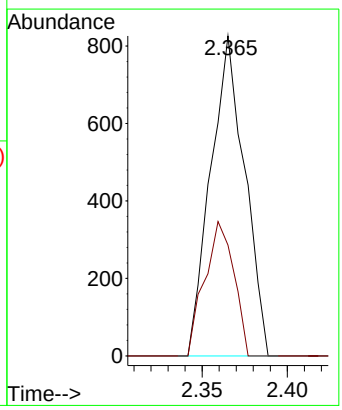


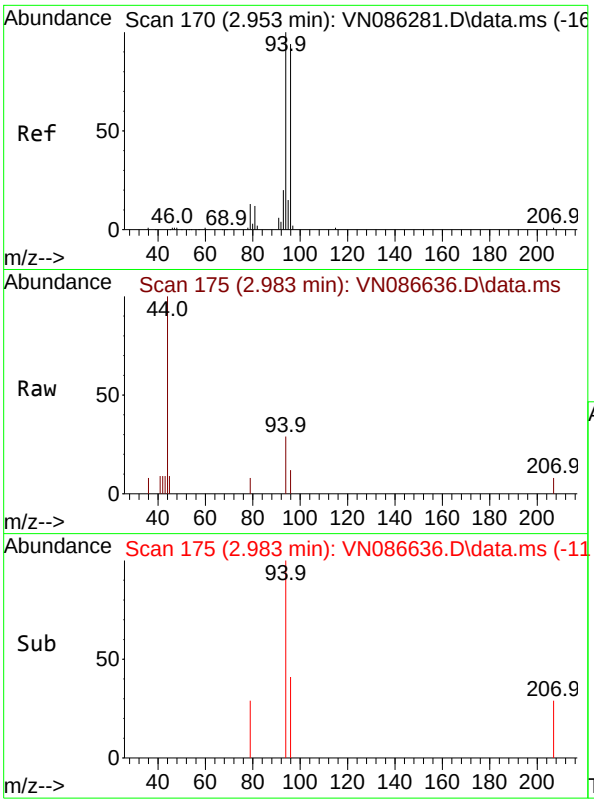


#3
Chloromethane
Concen: 0.317 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN086636.D
Acq: 15 May 2025 11:34

Tgt Ion: 50 Resp: 1149

Ion	Ratio	Lower	Upper
50	100		
52	34.6	26.5	39.7



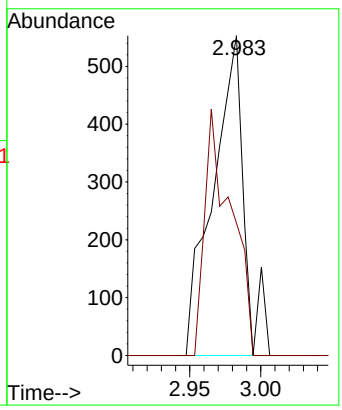


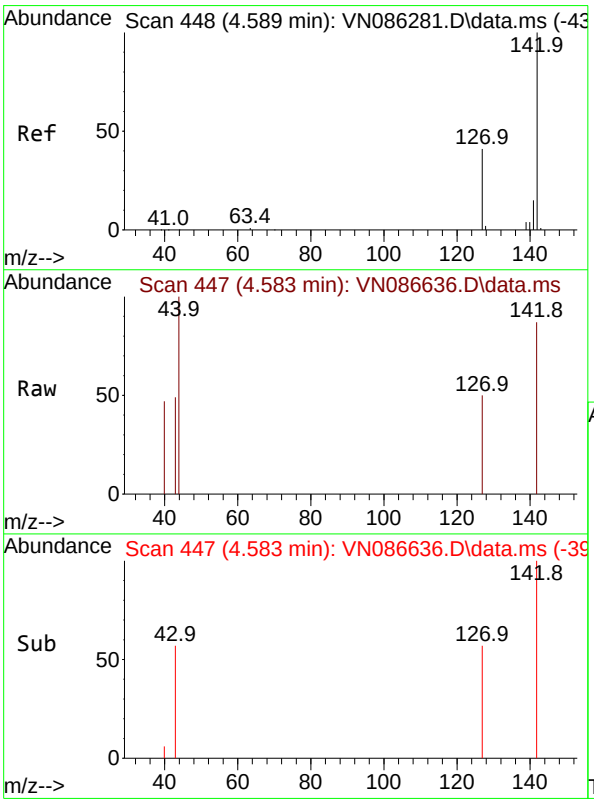
#5
Bromomethane
Concen: 0.543 ug/l
RT: 2.983 min Scan# 1
Delta R.T. 0.029 min
Lab File: VN086636.D
Acq: 15 May 2025 11:34

Instrument :
MSVOA_N
ClientSampleId :
PB167995TB

Tgt Ion: 94 Resp: 843

Ion	Ratio	Lower	Upper
94	100		
96	41.4	75.2	112.8#

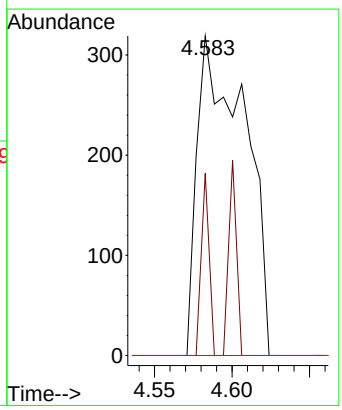


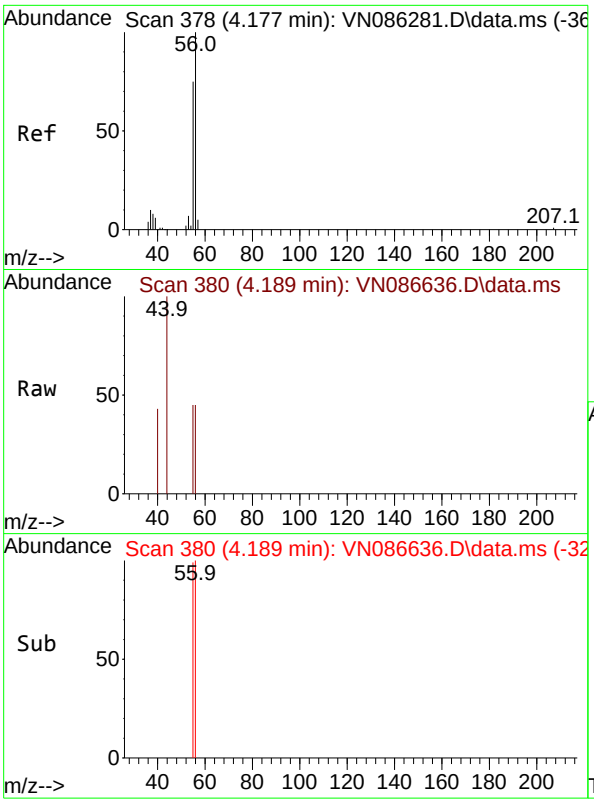


#10
Methyl Iodide
Concen: 0.266 ug/l
RT: 4.583 min Scan# 447
Delta R.T. -0.006 min
Lab File: VN086636.D
Acq: 15 May 2025 11:34

Tgt Ion:142 Resp: 678

Ion	Ratio	Lower	Upper
142	100		
127	57.1	32.7	49.1#
141	0.0	11.7	17.5#



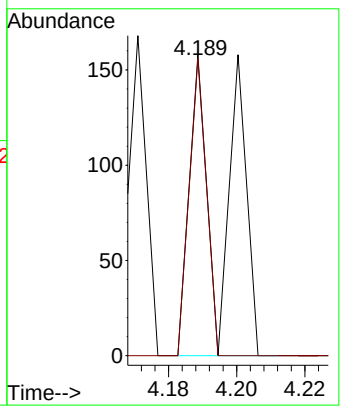


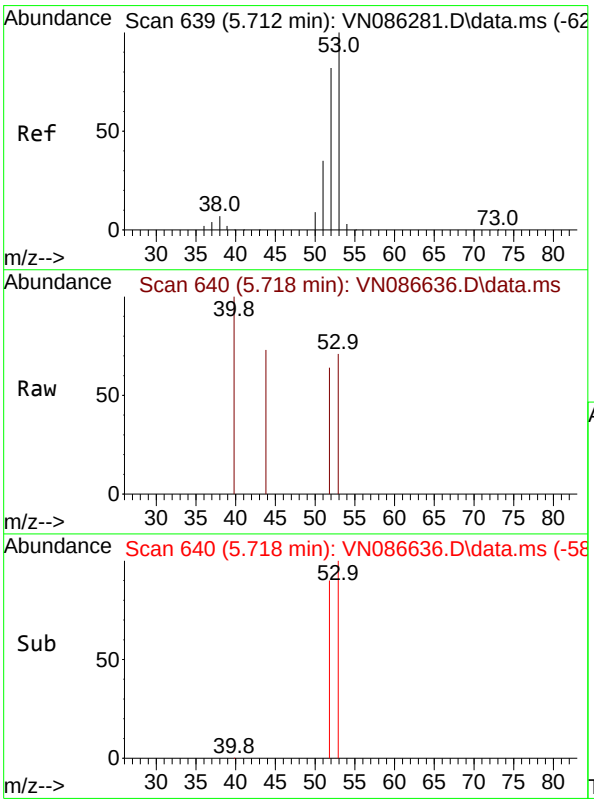
#13
Acrolein
Concen: Below Cal
RT: 4.189 min Scan# 3
Delta R.T. 0.012 min
Lab File: VN086636.D
Acq: 15 May 2025 11:34

Instrument :
MSVOA_N
ClientSampleId :
PB167995TB

Tgt Ion: 56 Resp: 112

Ion	Ratio	Lower	Upper
56	100		
55	49.1	58.5	87.7#

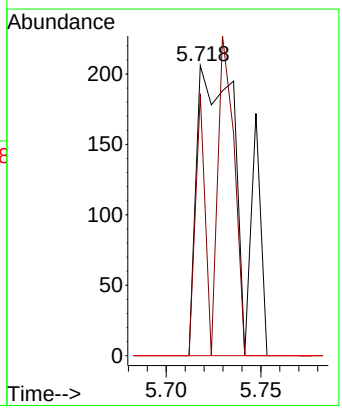


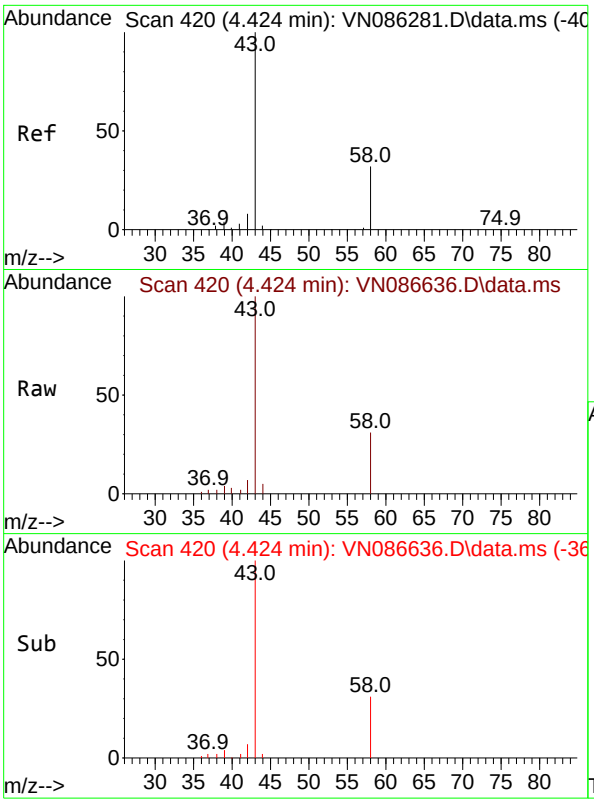


#15
Acrylonitrile
Concen: 0.241 ug/l
RT: 5.718 min Scan# 640
Delta R.T. 0.006 min
Lab File: VN086636.D
Acq: 15 May 2025 11:34

Tgt Ion: 53 Resp: 331

Ion	Ratio	Lower	Upper
53	100		
52	60.7	65.5	98.3#
51	0.0	28.6	42.8#



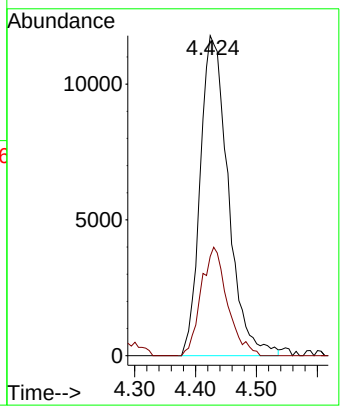


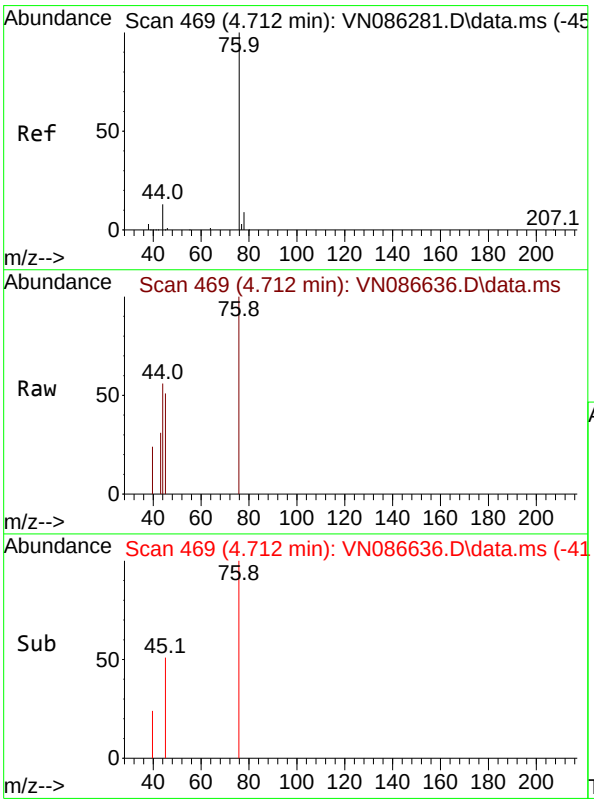
#16
Acetone
Concen: 30.655 ug/l
RT: 4.424 min Scan# 4
Delta R.T. -0.000 min
Lab File: VN086636.D
Acq: 15 May 2025 11:34

Instrument :
MSVOA_N
ClientSampleId :
PB167995TB

Tgt Ion: 43 Resp: 37561

Ion	Ratio	Lower	Upper
43	100		
58	31.0	25.3	37.9

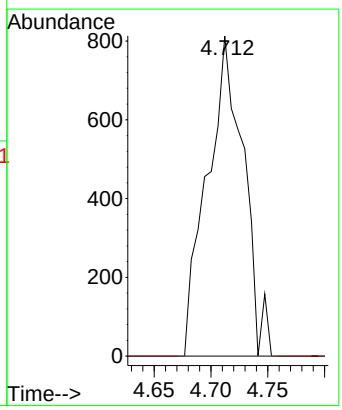


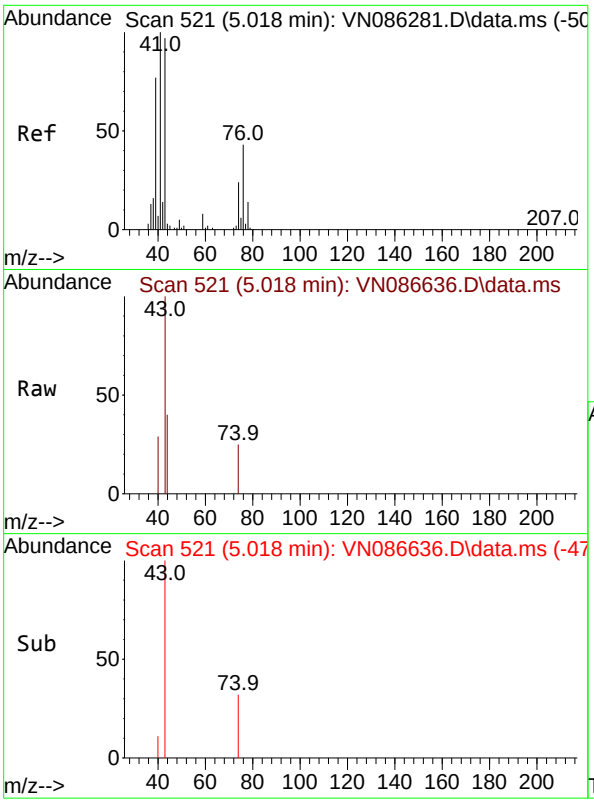


#17
Carbon Disulfide
Concen: 0.244 ug/l
RT: 4.712 min Scan# 469
Delta R.T. -0.000 min
Lab File: VN086636.D
Acq: 15 May 2025 11:34

Tgt Ion: 76 Resp: 1807

Ion	Ratio	Lower	Upper
76	100		
78	0.0	7.6	11.4#



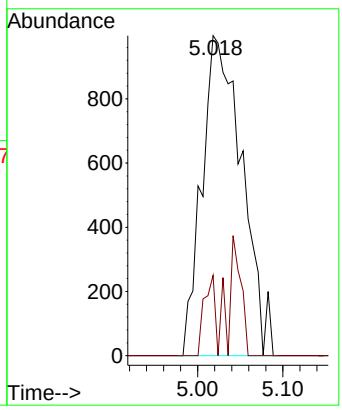


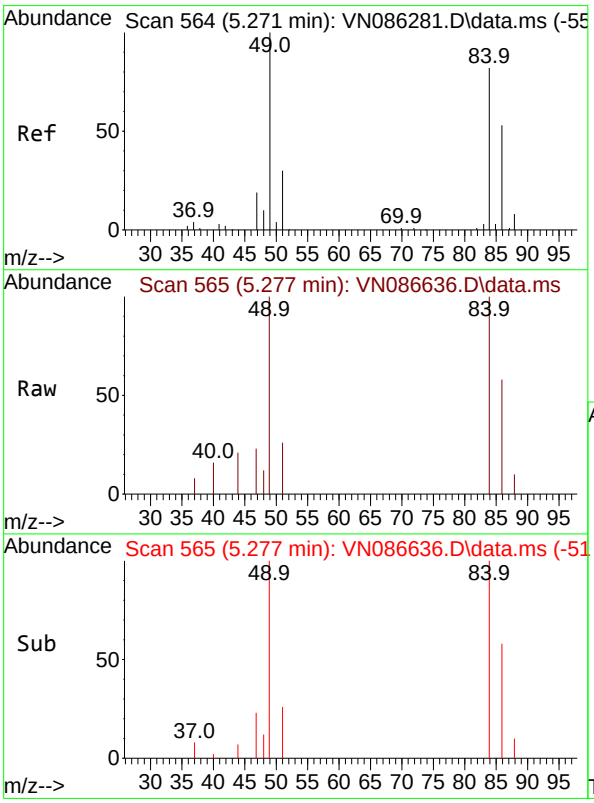
#18
Methyl Acetate
Concen: 0.888 ug/l
RT: 5.018 min Scan# 5
Delta R.T. -0.000 min
Lab File: VN086636.D
Acq: 15 May 2025 11:34

Instrument :
MSVOA_N
ClientSampleId :
PB167995TB

Tgt Ion: 43 Resp: 3247

Ion	Ratio	Lower	Upper
43	100		
74	6.7	19.8	29.6#

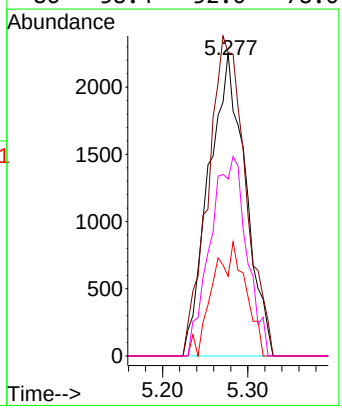


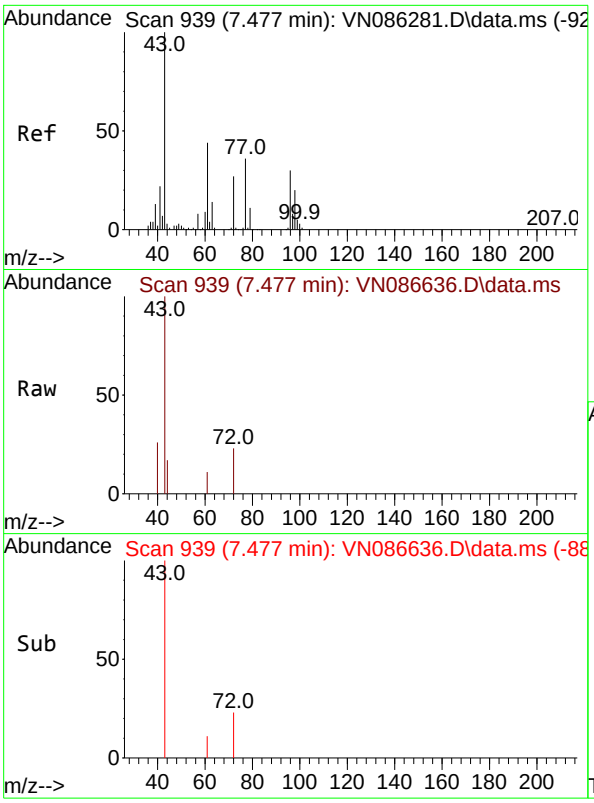


#20
Methylene Chloride
Concen: 2.387 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN086636.D
Acq: 15 May 2025 11:34

Tgt Ion: 84 Resp: 6723

Ion	Ratio	Lower	Upper
84	100		
49	100.1	98.2	147.2
51	26.3	29.8	44.6#
86	58.4	52.0	78.0



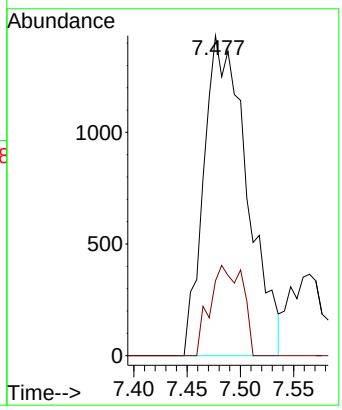


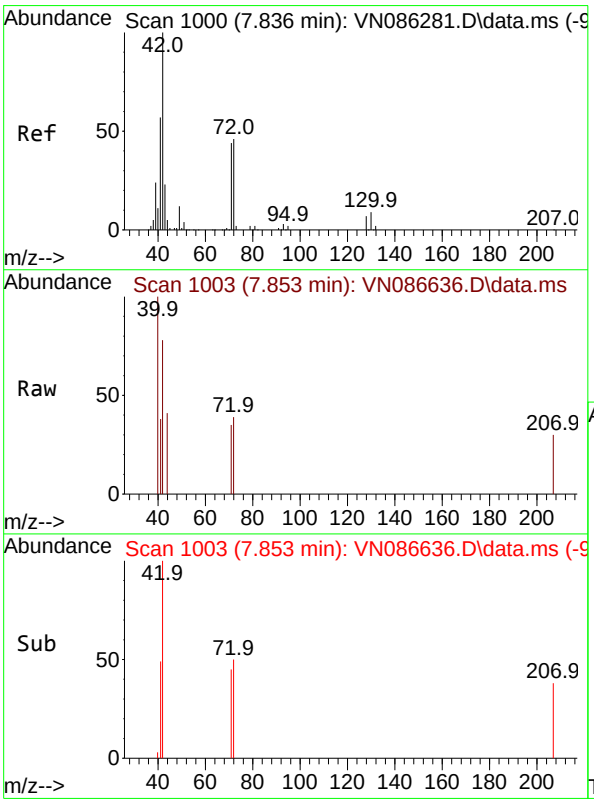
#25
2-Butanone
Concen: 2.131 ug/l
RT: 7.477 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN086636.D
Acq: 15 May 2025 11:34

Instrument :
MSVOA_N
ClientSampleId :
PB167995TB

Tgt Ion: 43 Resp: 4040

Ion	Ratio	Lower	Upper
43	100		
72	23.4	21.7	32.5

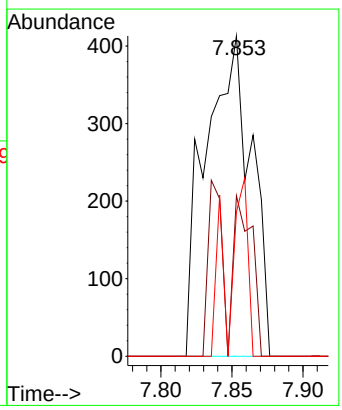


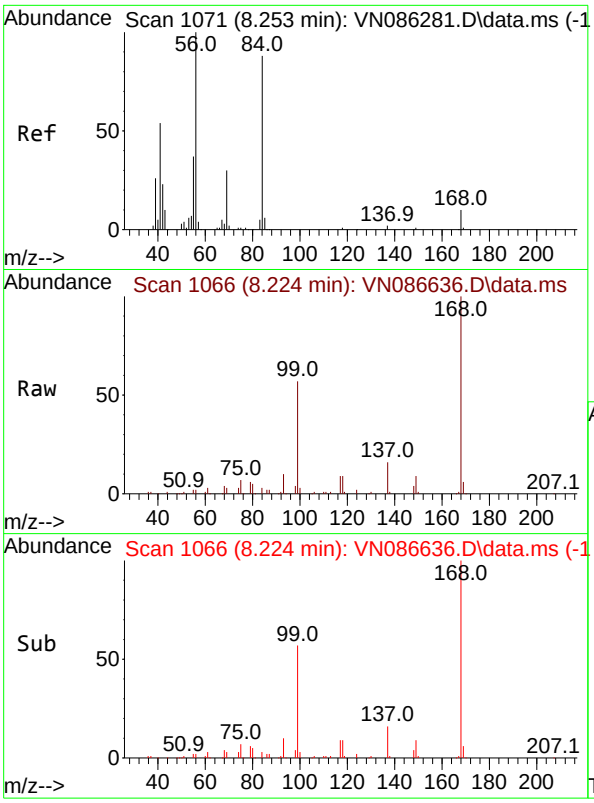


#29
Tetrahydrofuran
Concen: 0.729 ug/l
RT: 7.853 min Scan# 1003
Delta R.T. 0.018 min
Lab File: VN086636.D
Acq: 15 May 2025 11:34

Tgt Ion: 42 Resp: 925

Ion	Ratio	Lower	Upper
42	100		
72	20.4	36.2	54.4#
71	23.8	34.0	51.0#



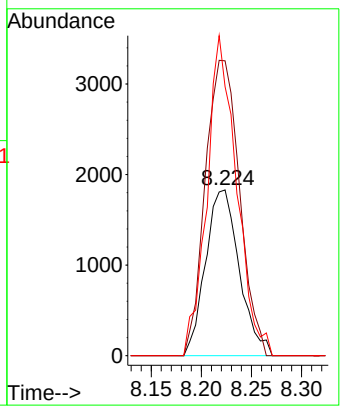


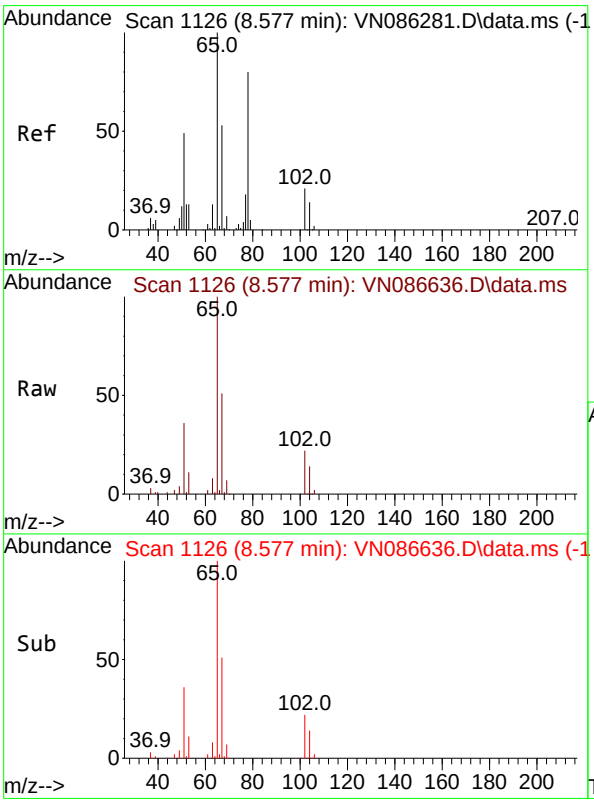
#31
Cyclohexane
Concen: 0.868 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.030 min
Lab File: VN086636.D
Acq: 15 May 2025 11:34

Instrument :
MSVOA_N
ClientSampleId :
PB167995TB

Tgt Ion: 56 Resp: 4287

Ion	Ratio	Lower	Upper
56	100		
69	177.9	24.2	36.2#
84	162.2	70.3	105.5#

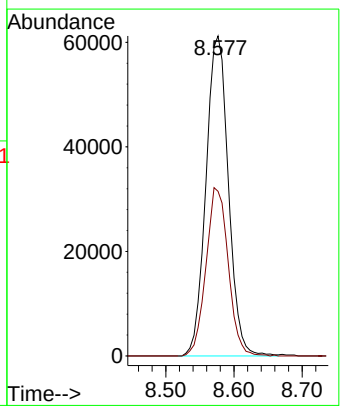


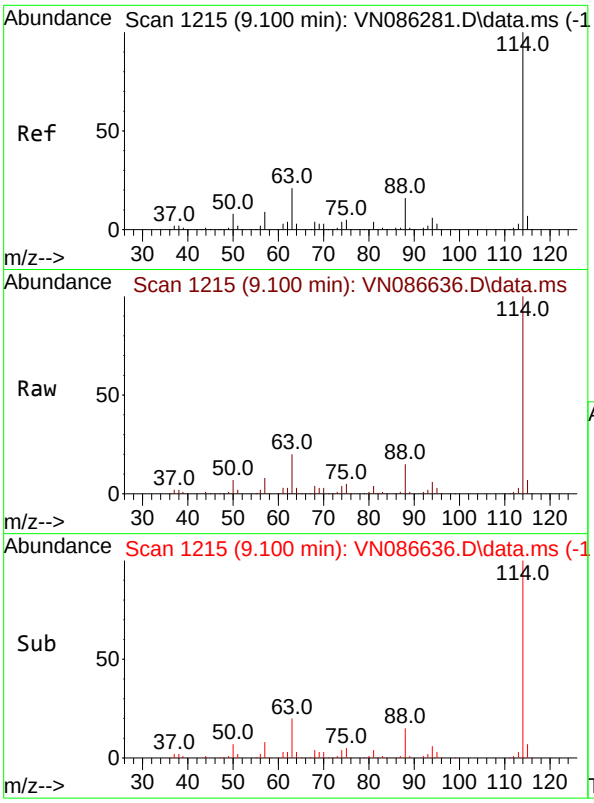


#33
1,2-Dichloroethane-d4
Concen: 46.040 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086636.D
Acq: 15 May 2025 11:34

Tgt Ion: 65 Resp: 140254

Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	106.0



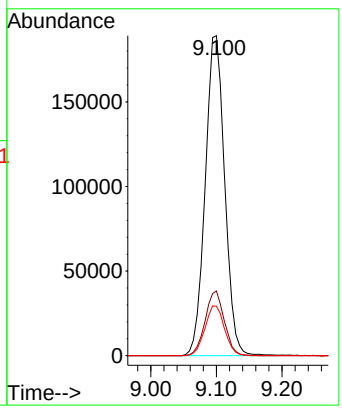


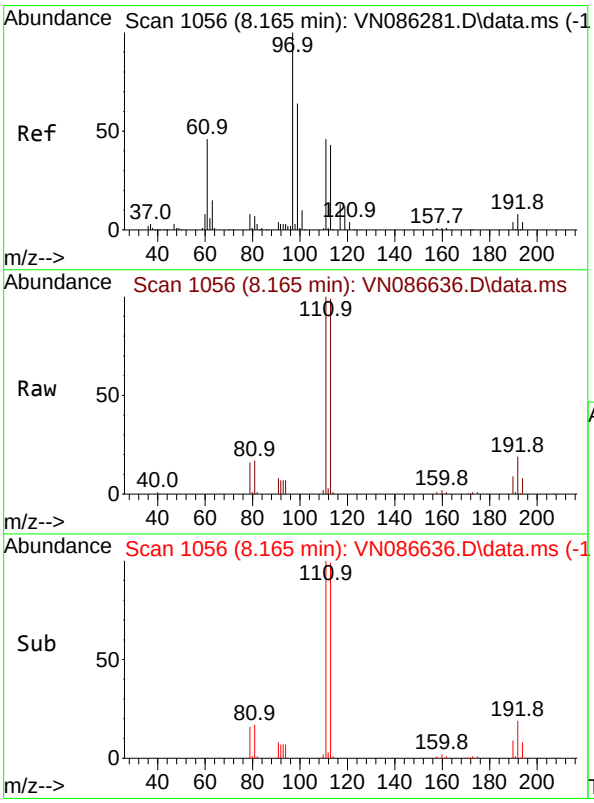
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086636.D
Acq: 15 May 2025 11:34

Instrument :
MSVOA_N
ClientSampleId :
PB167995TB

Tgt Ion:114 Resp: 390367

Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	42.6
88	15.5	0.0	31.8

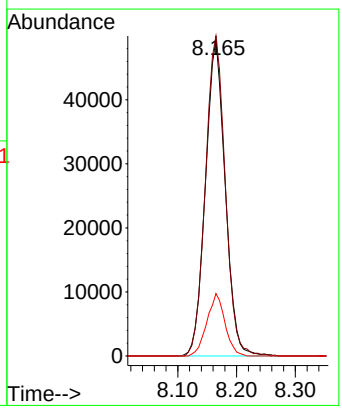


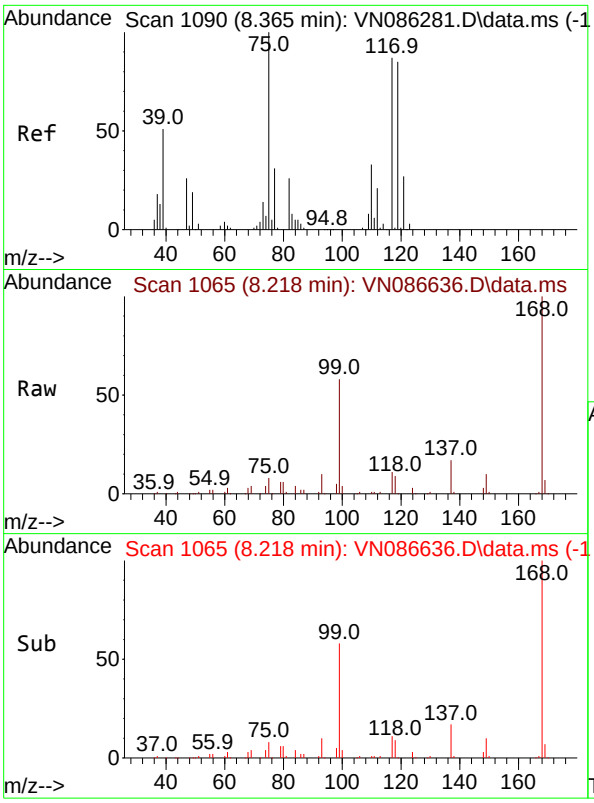


#35
Dibromofluoromethane
Concen: 63.569 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN086636.D
Acq: 15 May 2025 11:34

Tgt Ion:113 Resp: 115171

Ion	Ratio	Lower	Upper
113	100		
111	101.7	83.4	125.0
192	18.0	13.7	20.5



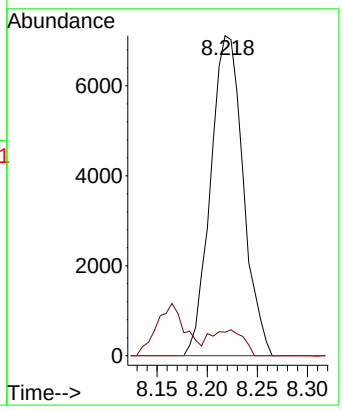


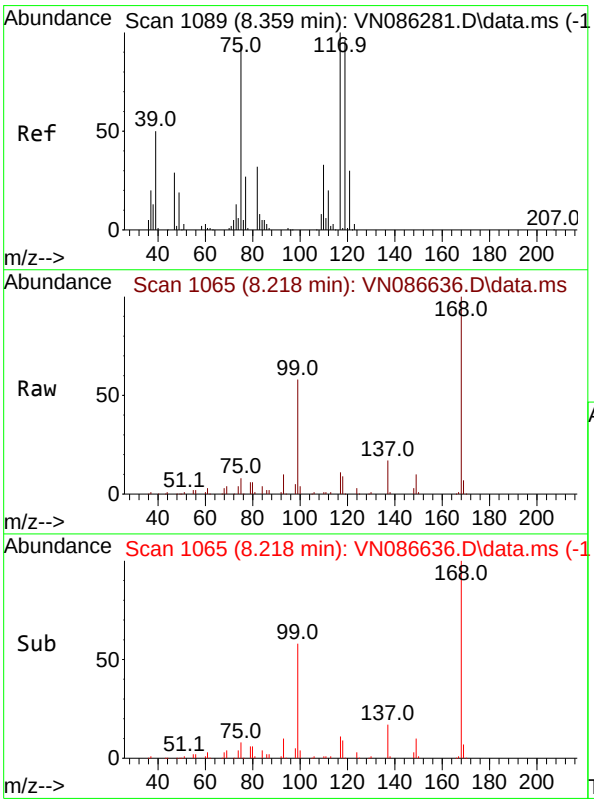
#36
1,1-Dichloropropene
Concen: 4.436 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.147 min
Lab File: VN086636.D
Acq: 15 May 2025 11:34

Instrument :
MSVOA_N
ClientSampleId :
PB167995TB

Tgt Ion: 75 Resp: 16054

Ion	Ratio	Lower	Upper
75	100		
110	8.2	16.8	50.4#
77	0.0	24.9	37.3#

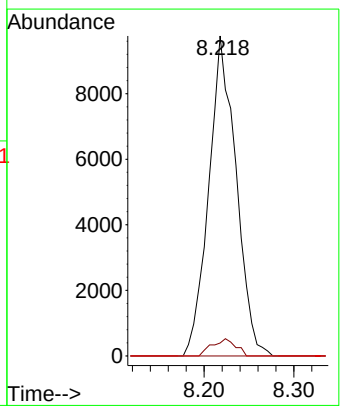


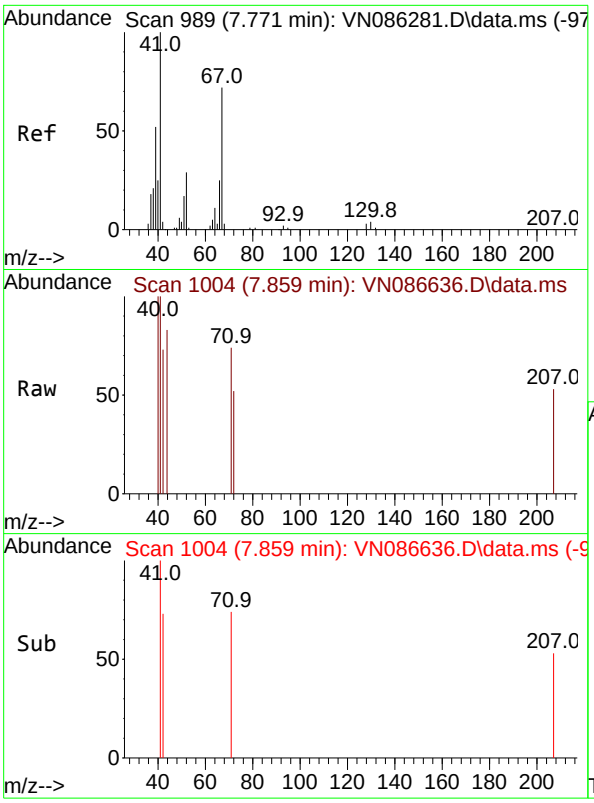


#38
Carbon Tetrachloride
Concen: 5.989 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.141 min
Lab File: VN086636.D
Acq: 15 May 2025 11:34

Tgt Ion:117 Resp: 20639

Ion	Ratio	Lower	Upper
117	100		
119	4.0	76.8	115.2#
121	0.0	23.8	35.8#



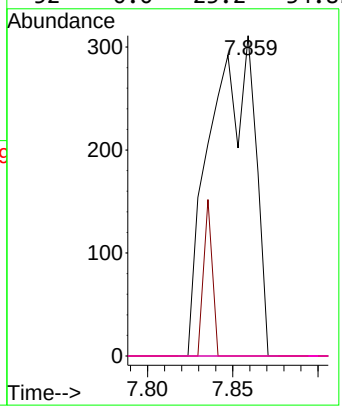


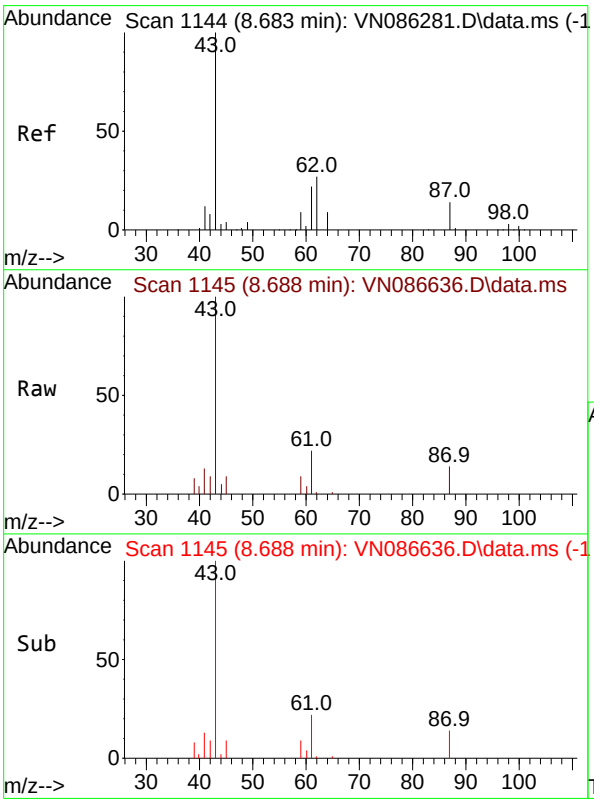
#41
Methacrylonitrile
Concen: 0.255 ug/l
RT: 7.859 min Scan# 1
Delta R.T. 0.088 min
Lab File: VN086636.D
Acq: 15 May 2025 11:34

Instrument :
MSVOA_N
ClientSampleId :
PB167995TB

Tgt Ion: 41 Resp: 563

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#

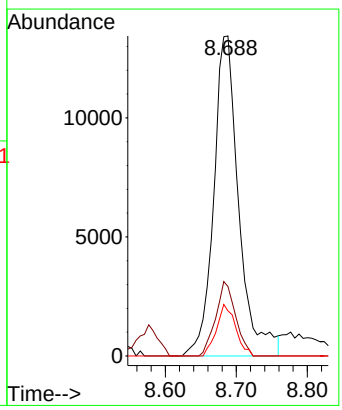


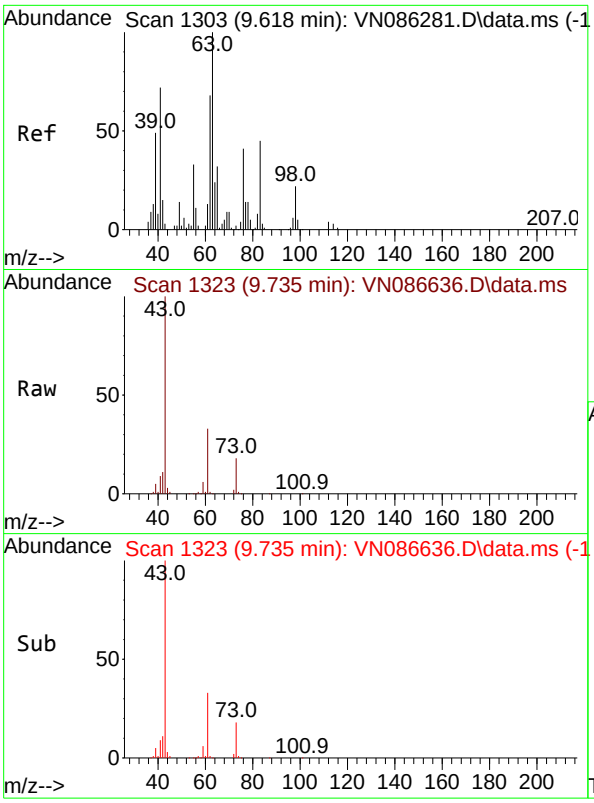


#43
Isopropyl Acetate
Concen: 3.022 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.005 min
Lab File: VN086636.D
Acq: 15 May 2025 11:34

Tgt Ion: 43 Resp: 33021

Ion	Ratio	Lower	Upper
43	100		
61	18.4	20.5	30.7#
87	12.2	10.5	15.7



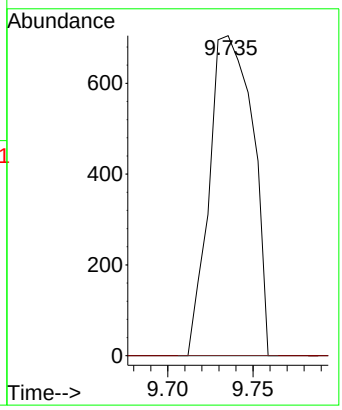


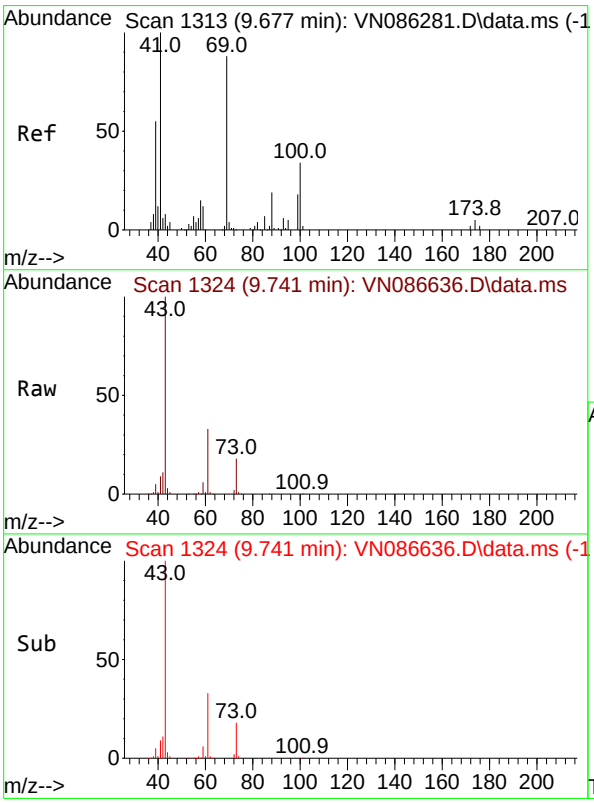
#45
1,2-Dichloropropane
Concen: 0.440 ug/l
RT: 9.735 min Scan# 1
Delta R.T. 0.118 min
Lab File: VN086636.D
Acq: 15 May 2025 11:34

Instrument :
MSVOA_N
ClientSampleId :
PB167995TB

Tgt Ion: 63 Resp: 1248

Ion	Ratio	Lower	Upper
63	100		
65	0.0	25.4	38.2#

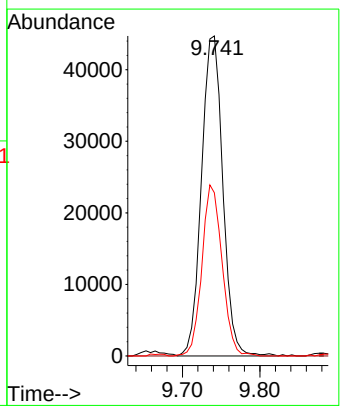


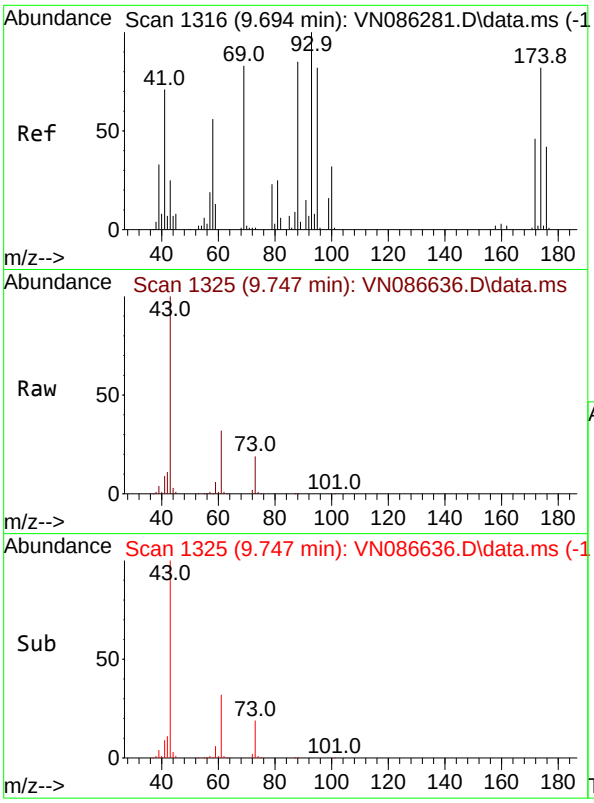


#48
Methyl methacrylate
Concen: 25.524 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.065 min
Lab File: VN086636.D
Acq: 15 May 2025 11:34

Tgt Ion: 41 Resp: 85392

Ion	Ratio	Lower	Upper
41	100		
69	0.0	68.2	102.2#
39	50.7	45.2	67.8



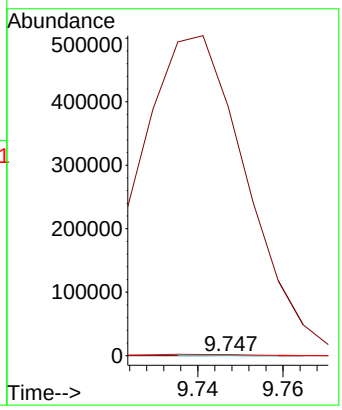


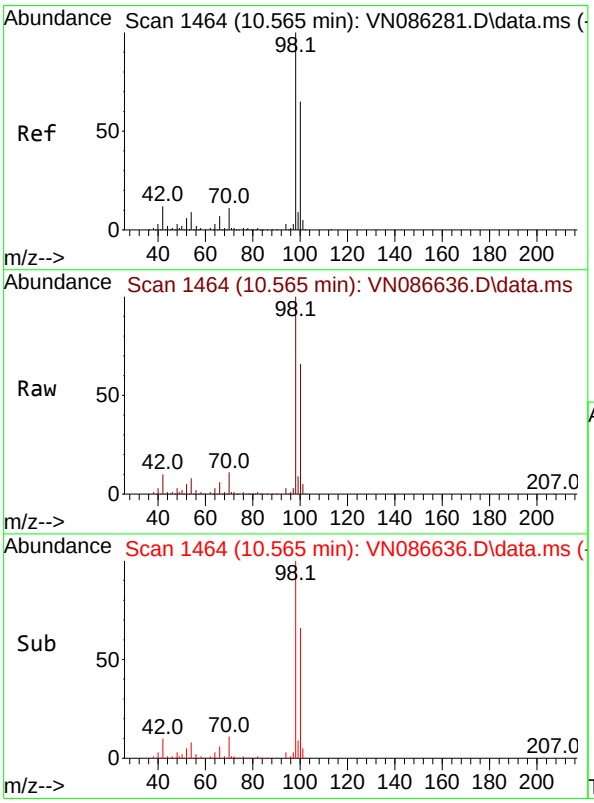
#49
1,4-Dioxane
Concen: 0.984 ug/l
RT: 9.747 min Scan# 1
Delta R.T. 0.053 min
Lab File: VN086636.D
Acq: 15 May 2025 11:34

Instrument :
MSVOA_N
ClientSampleId :
PB167995TB

Tgt Ion: 88 Resp: 56

Ion	Ratio	Lower	Upper
88	100		
43	1656255.4	23.8	35.8#
58	6975.0	57.4	86.2#

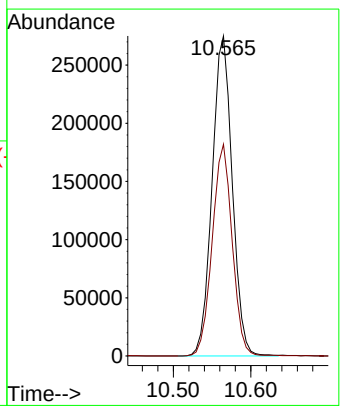


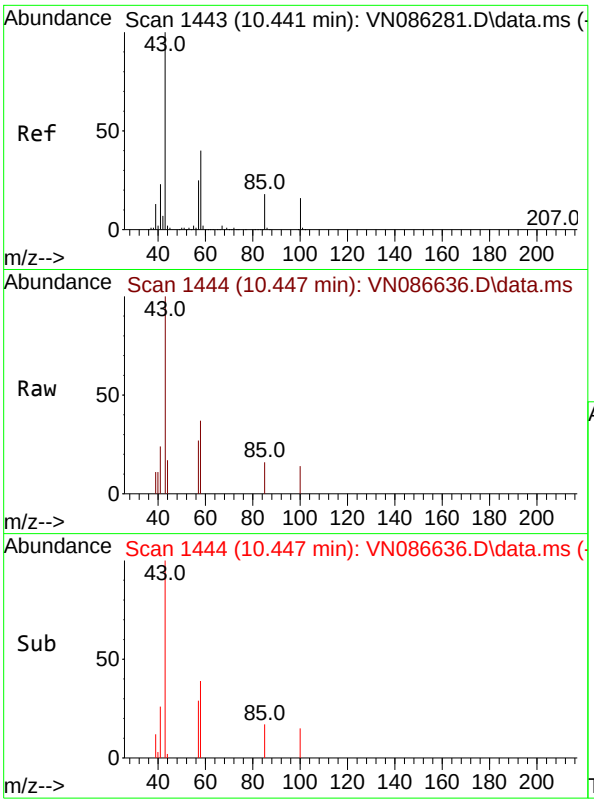


#50
Toluene-d8
Concen: 51.278 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086636.D
Acq: 15 May 2025 11:34

Tgt Ion: 98 Resp: 496514

Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.5	78.7



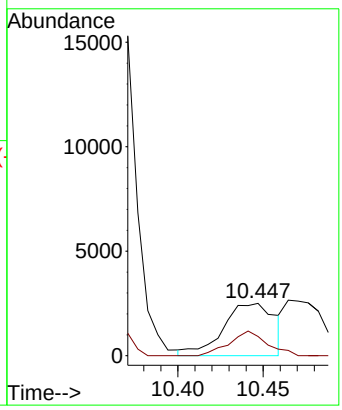


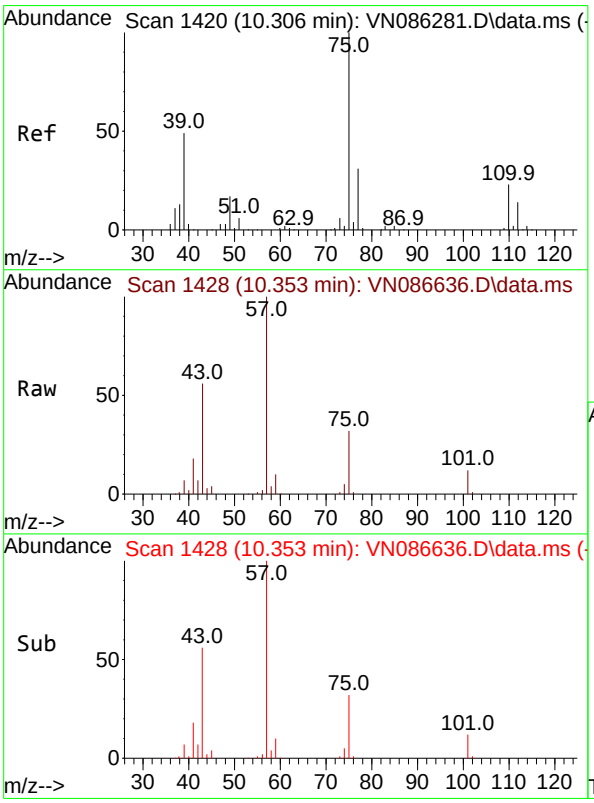
#51
4-Methyl-2-Pentanone
Concen: 1.353 ug/l
RT: 10.447 min Scan# 14
Delta R.T. 0.006 min
Lab File: VN086636.D
Acq: 15 May 2025 11:34

Instrument :
MSVOA_N
ClientSampleId :
PB167995TB

Tgt Ion: 43 Resp: 5277

Ion	Ratio	Lower	Upper
43	100		
58	34.1	32.2	48.4

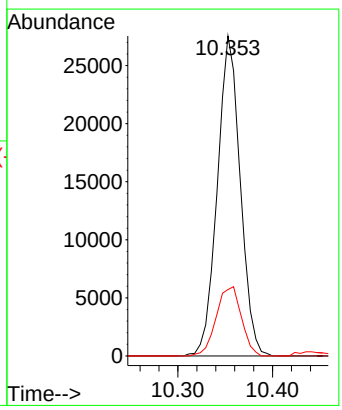


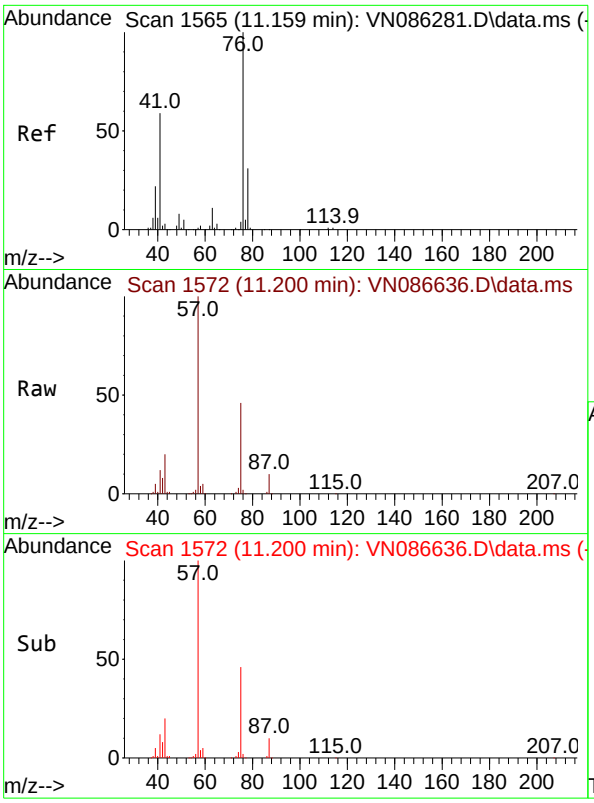


#54
cis-1,3-Dichloropropene
Concen: 9.687 ug/l
RT: 10.353 min Scan# 1428
Delta R.T. 0.047 min
Lab File: VN086636.D
Acq: 15 May 2025 11:34

Tgt Ion: 75 Resp: 46383

Ion	Ratio	Lower	Upper
75	100		
77	0.0	25.2	37.8#
39	20.8	39.3	58.9#



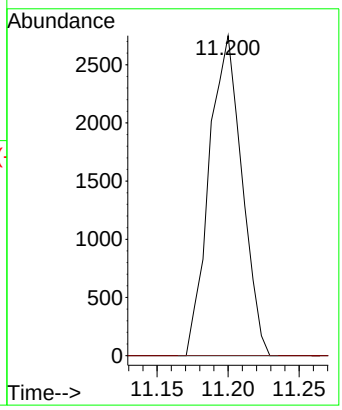


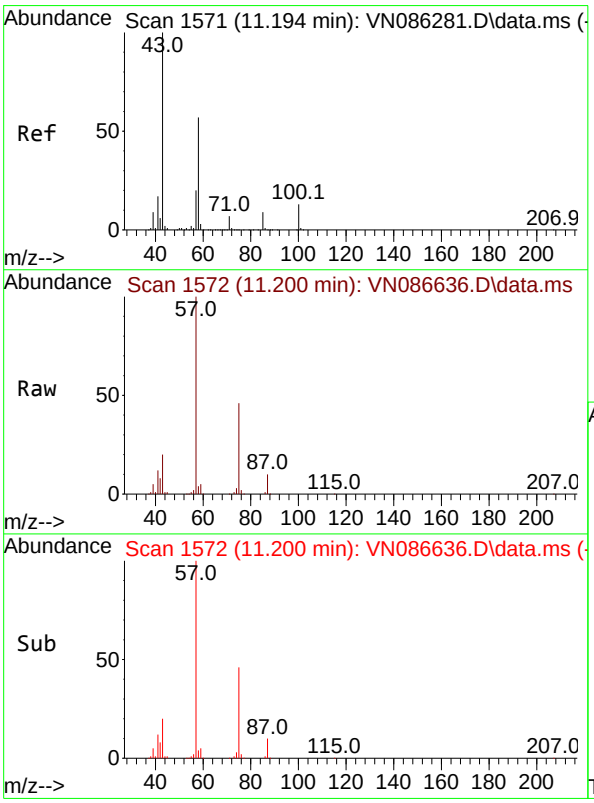
#57
1,3-Dichloropropane
Concen: 0.958 ug/l
RT: 11.200 min Scan# 1
Delta R.T. 0.041 min
Lab File: VN086636.D
Acq: 15 May 2025 11:34

Instrument :
MSVOA_N
ClientSampleId :
PB167995TB

Tgt Ion: 76 Resp: 4426

Ion	Ratio	Lower	Upper
76	100		
78	0.0	25.6	38.4#

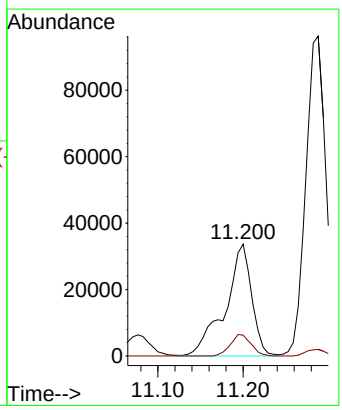


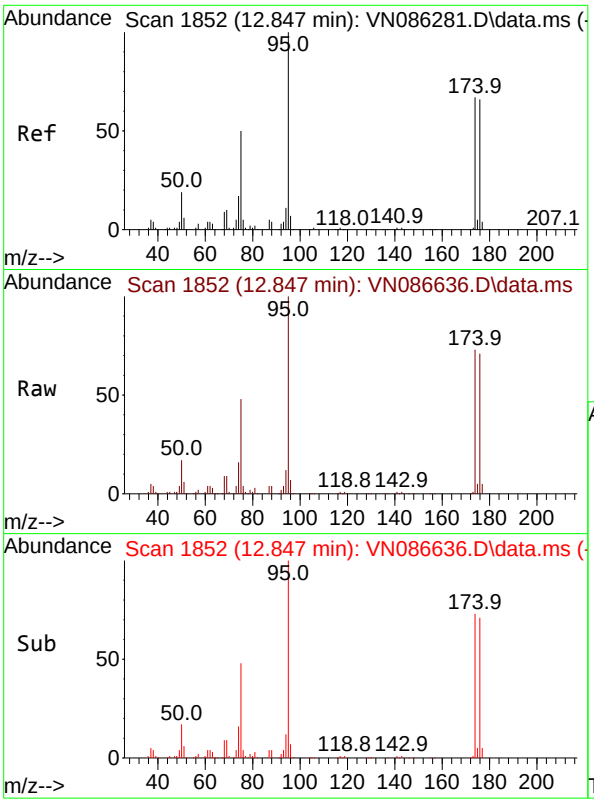


#59
2-Hexanone
Concen: 25.167 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.006 min
Lab File: VN086636.D
Acq: 15 May 2025 11:34

Tgt Ion: 43 Resp: 72824

Ion	Ratio	Lower	Upper
43	100		
58	14.9	28.3	85.0#



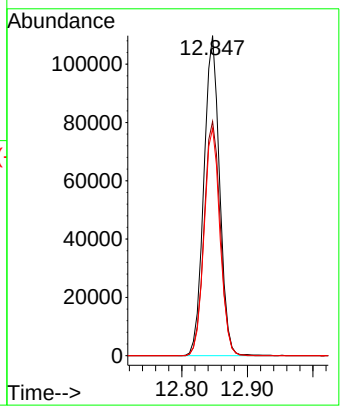


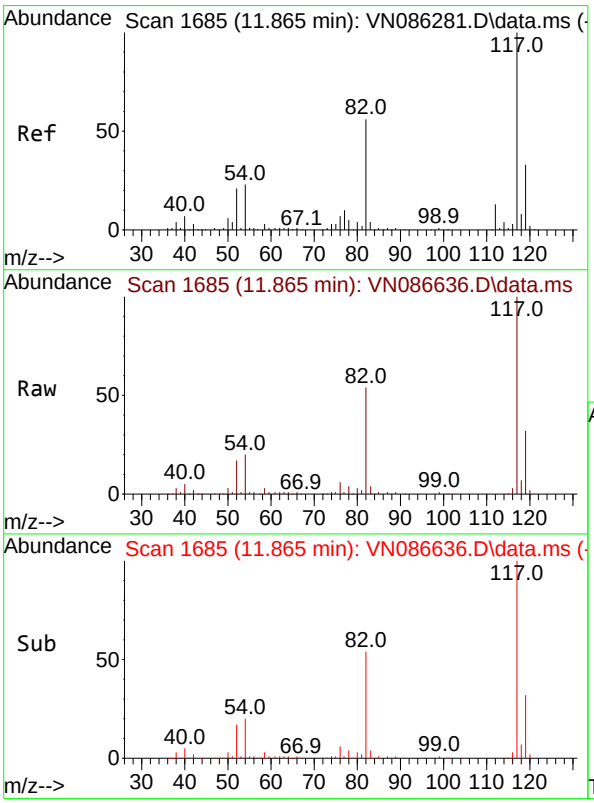
#62
4-Bromofluorobenzene
Concen: 51.737 ug/l
RT: 12.847 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086636.D
Acq: 15 May 2025 11:34

Instrument :
MSVOA_N
ClientSampleId :
PB167995TB

Tgt Ion: 95 Resp: 182720

Ion	Ratio	Lower	Upper
95	100		
174	75.7	0.0	133.4
176	71.8	0.0	129.2

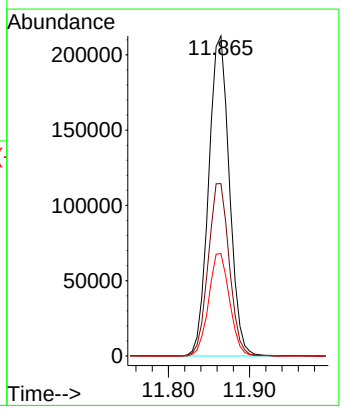


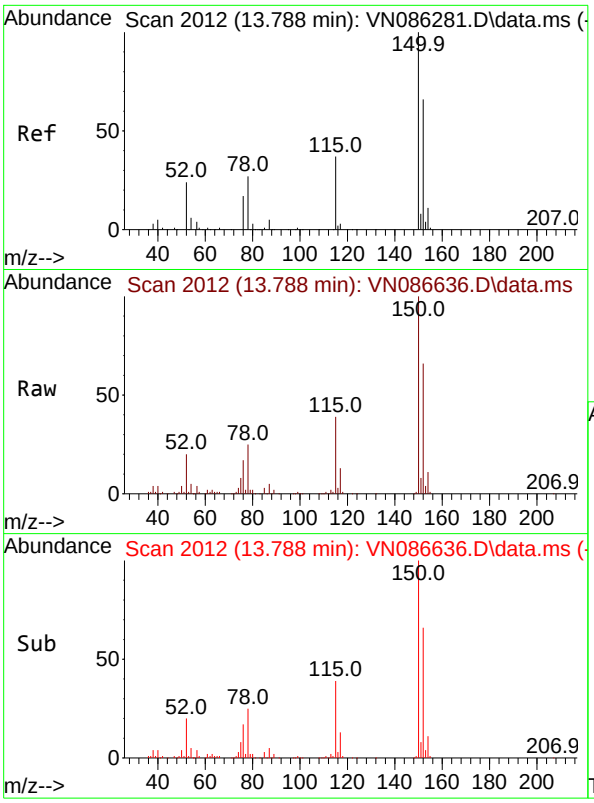


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086636.D
Acq: 15 May 2025 11:34

Tgt Ion:117 Resp: 376634

Ion	Ratio	Lower	Upper
117	100		
82	53.8	44.7	67.1
119	32.0	26.4	39.6



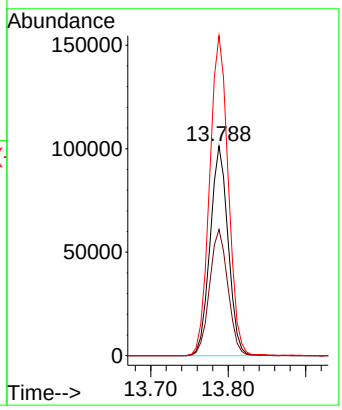


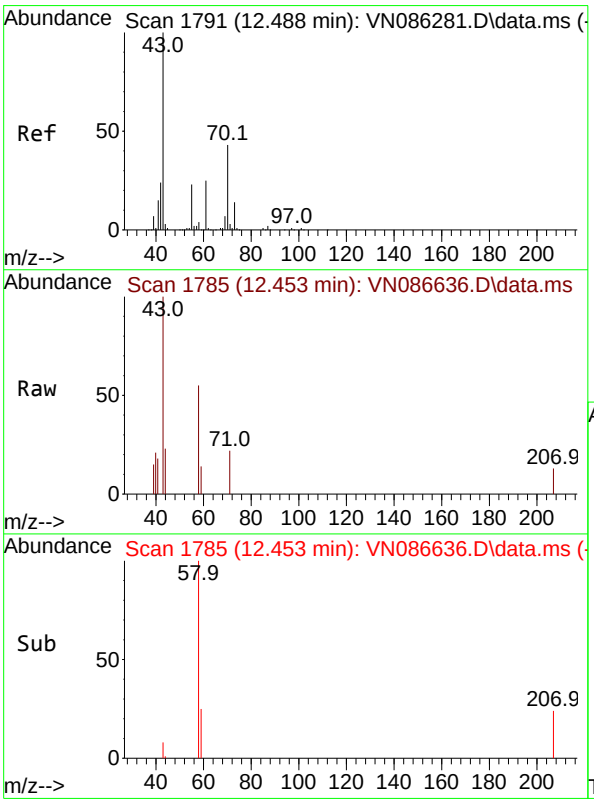
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086636.D
Acq: 15 May 2025 11:34

Instrument :
MSVOA_N
ClientSampleId :
PB167995TB

Tgt Ion:152 Resp: 164068

Ion	Ratio	Lower	Upper
152	100		
115	61.3	31.9	95.9
150	157.7	0.0	352.0

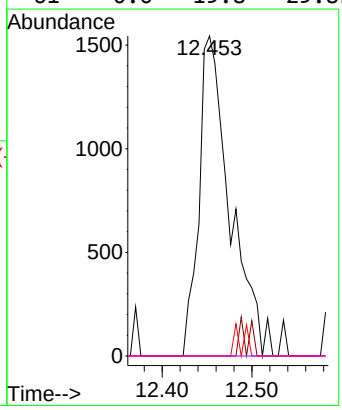


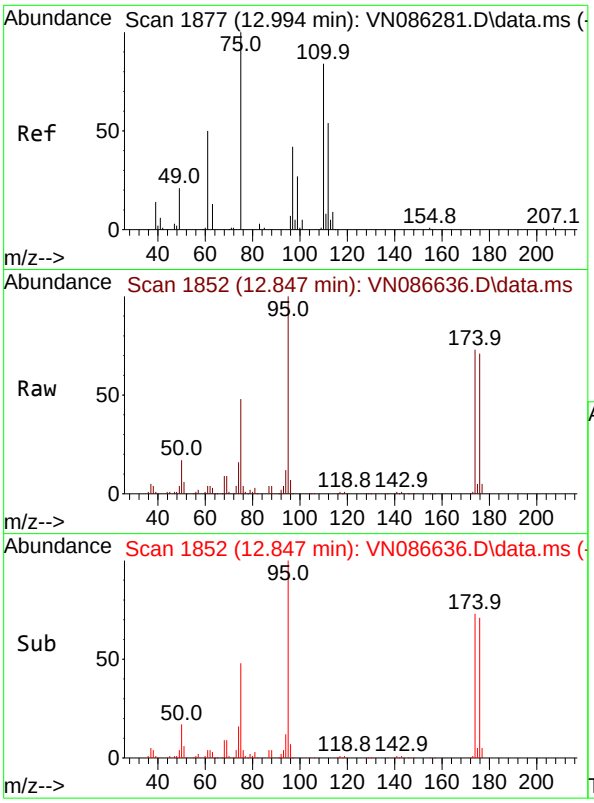


#74
N-amyl acetate
Concen: 0.559 ug/l
RT: 12.453 min Scan# 1785
Delta R.T. -0.035 min
Lab File: VN086636.D
Acq: 15 May 2025 11:34

Tgt Ion: 43 Resp: 3734

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#



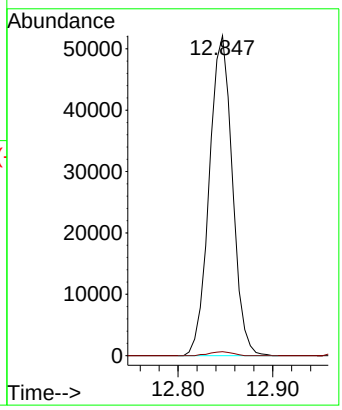


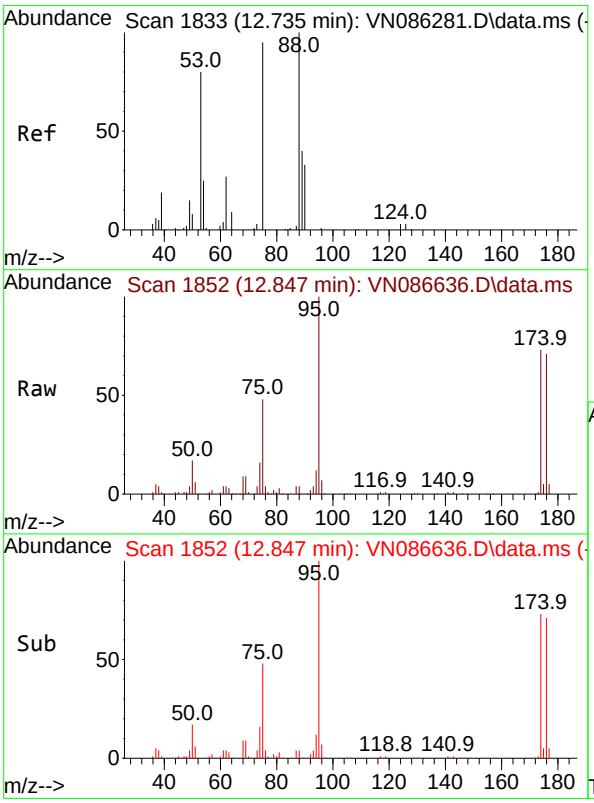
#76
1,2,3-Trichloropropane
Concen: 22.813 ug/l
RT: 12.847 min Scan# 1
Delta R.T. -0.147 min
Lab File: VN086636.D
Acq: 15 May 2025 11:34

Instrument :
MSVOA_N
ClientSampleId :
PB167995TB

Tgt Ion: 75 Resp: 88326

Ion	Ratio	Lower	Upper
75	100		
77	1.3	98.8	296.4#

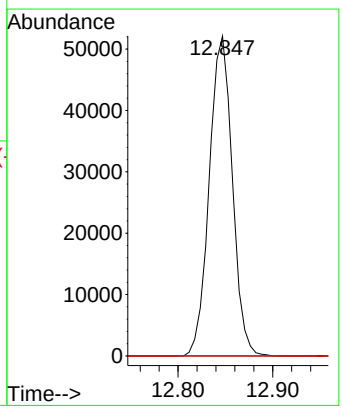


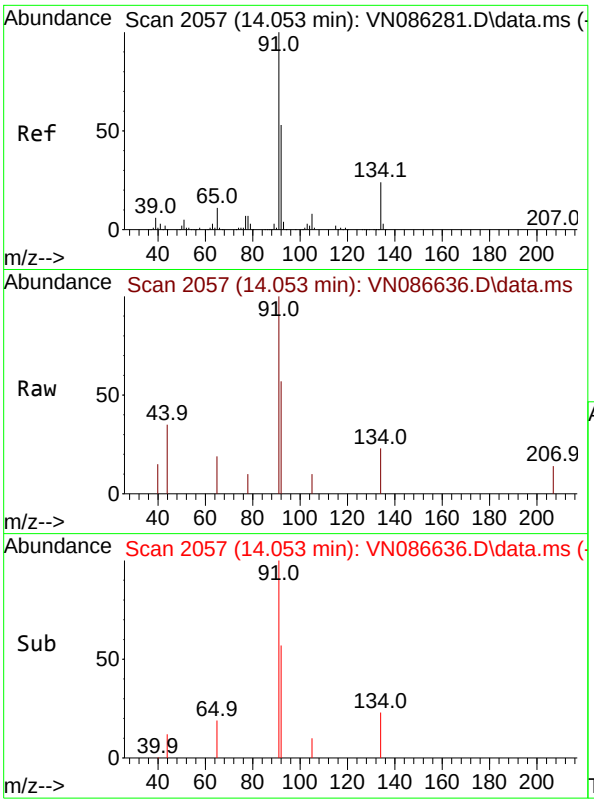


#81
trans-1,4-Dichloro-2-butene
Concen: 54.788 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN086636.D
Acq: 15 May 2025 11:34

Tgt Ion: 75 Resp: 88326

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



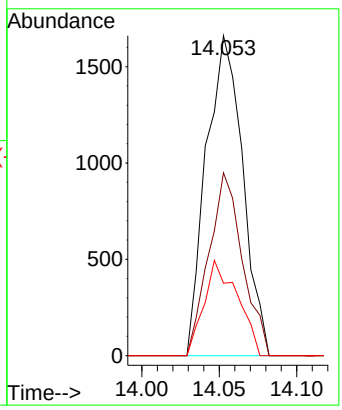


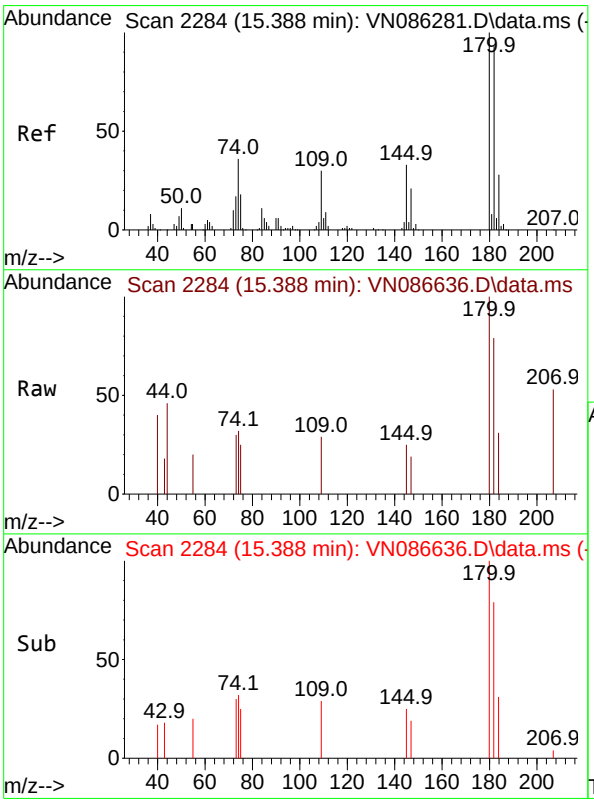
#89
n-Butylbenzene
Concen: 0.281 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086636.D
Acq: 15 May 2025 11:34

Instrument :
MSVOA_N
ClientSampleId :
PB167995TB

Tgt Ion: 91 Resp: 2713

Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.8	80.4
134	27.4	12.2	36.6

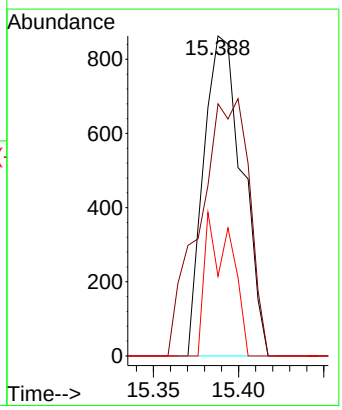


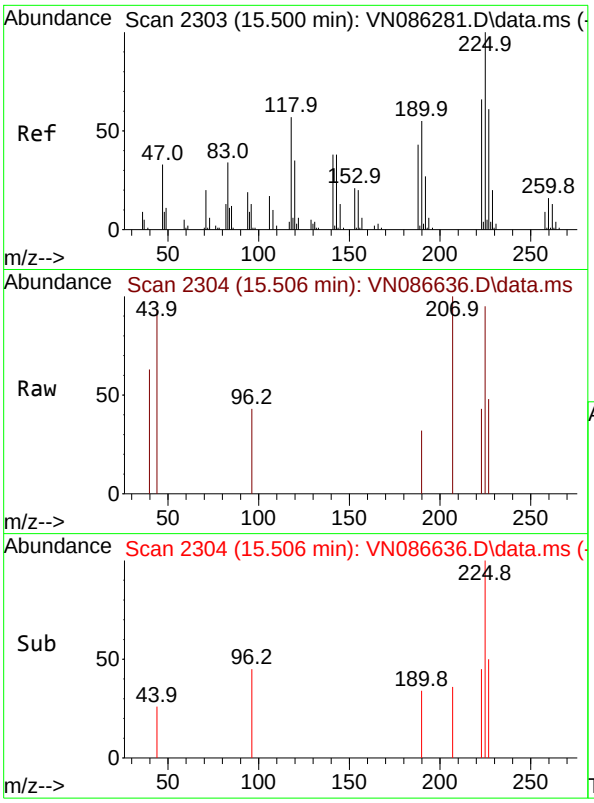


#93
1,2,4-Trichlorobenzene
Concen: 0.524 ug/l
RT: 15.388 min Scan# 2284
Delta R.T. -0.000 min
Lab File: VN086636.D
Acq: 15 May 2025 11:34

Tgt Ion:180 Resp: 1361

Ion	Ratio	Lower	Upper
180	100		
182	103.1	47.0	141.0
145	30.1	16.4	49.1



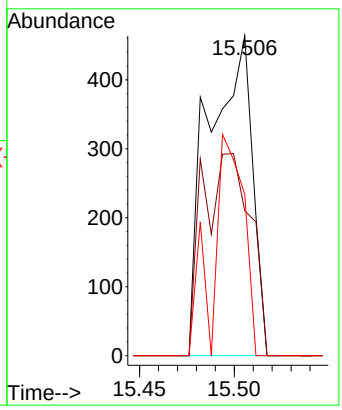


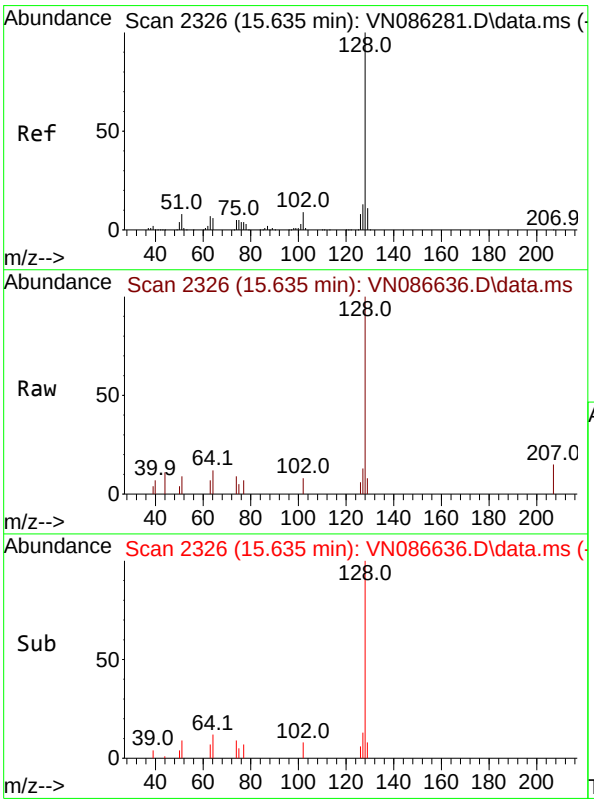
#94
Hexachlorobutadiene
Concen: 0.756 ug/l
RT: 15.506 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN086636.D
Acq: 15 May 2025 11:34

Instrument :
MSVOA_N
ClientSampleId :
PB167995TB

Tgt Ion:225 Resp: 741

Ion	Ratio	Lower	Upper
225	100		
223	69.1	32.8	98.3
227	49.3	31.4	94.0

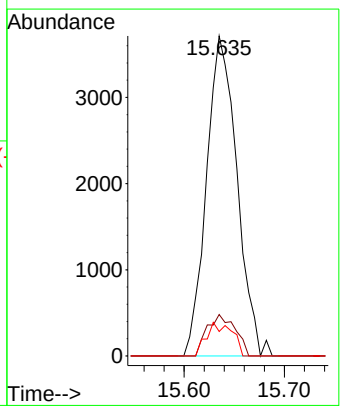


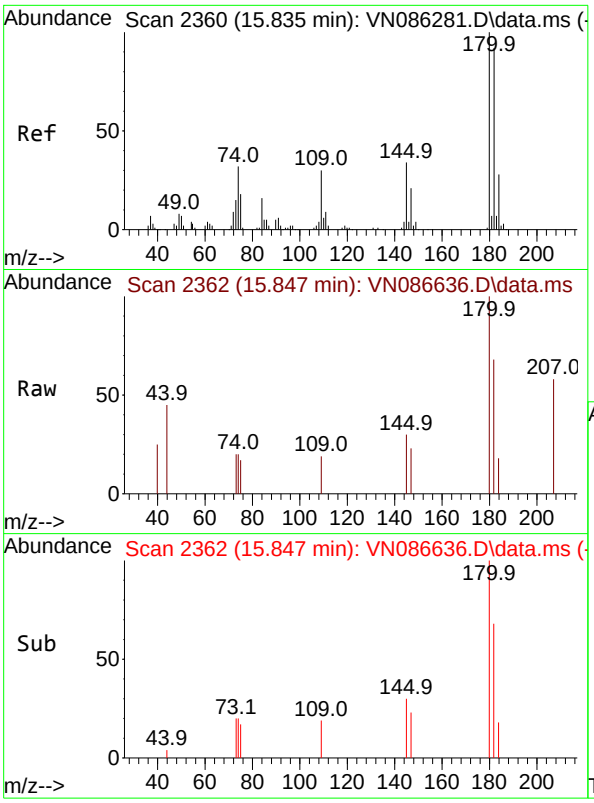


#95
Naphthalene
Concen: 0.852 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. -0.000 min
Lab File: VN086636.D
Acq: 15 May 2025 11:34

Tgt Ion:128 Resp: 7837

Ion	Ratio	Lower	Upper
128	100		
127	12.0	10.2	15.4
129	8.8	8.6	13.0





#96
1,2,3-Trichlorobenzene
Concen: 0.705 ug/l
RT: 15.847 min Scan# 2
Delta R.T. 0.012 min
Lab File: VN086636.D
Acq: 15 May 2025 11:34

Instrument :
MSVOA_N
ClientSampleId :
PB167995TB

Tgt Ion:180 Resp: 1731

Ion	Ratio	Lower	Upper
180	100		
182	85.0	47.3	142.0
145	28.0	17.2	51.5