Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052925\
Data File : VN086822.D
Acq On : 29 May 2025 18:13
Operator : JC\MD
Sample : IBLK
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Quant Time: May 30 02:47:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N052925W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri May 30 02:22:52 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.806	128	42145	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.094	114	249129	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.859	117	212209	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	88927	30.710	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 102.367%			
60) 4-Bromofluorobenzene	12.841	95	93501	28.064	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 93.533%			
63) Toluene-d8	10.565	98	291028	29.879	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 99.600%			
Target Compounds						Qvalue
3) Chloromethane	2.371	50	24432	6.620	ug/l	97
11) Methyl Iodide	4.600	142	1999	0.682	ug/l #	73
12) Methyl Acetate	5.030	43	2491	0.902	ug/l	99
13) Acrolein	4.183	56	1841	6.456	ug/l	97
14) Acrylonitrile	5.712	53	372	0.290	ug/l #	19
15) Acetone	4.412	58	438	1.347	ug/l #	63
16) Carbon Disulfide	4.706	76	2283	0.315	ug/l #	75
30) 2-Butanone	7.488	43	754	0.470	ug/l #	52
36) 1,2-Dichloroethane	9.100	62	7901	2.262	ug/l #	72
42) Vinyl Acetate	6.612	43	1073	0.229	ug/l #	69
44) Isopropyl Acetate	8.700	43	1980	0.351	ug/l #	45
45) 1,4-Dioxane	9.688	88	1262	25.204	ug/l #	83
51) Ethyl methacrylate	10.571	69	1345	0.314	ug/l	98
56) Bromoform	12.847	173	456	0.242	ug/l #	1
59) 2-Hexanone	11.194	43	869	0.390	ug/l #	83
77) t-1,4-Dichloro-2-butene	12.847	75	45465	34.098	ug/l #	14
83) 1,3-Dichlorobenzene	13.729	146	1214	0.228	ug/l #	68
84) 1,4-Dichlorobenzene	13.806	146	1686	0.318	ug/l #	74
85) n-Butylbenzene	14.053	91	7069	0.878	ug/l	66
89) 1,2,4-Trichlorobenzene	15.829	180	1472	0.684	ug/l #	78
90) Hexachlorobutadiene	15.500	225	575	0.623	ug/l	74
91) Naphthalene	15.635	128	8389	1.117	ug/l #	91
92) 1,2,3-Trichlorobenzene	15.829	180	1472	0.684	ug/l	78

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

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IBLK

Quant Time: May 30 02:47:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N052925W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri May 30 02:22:52 2025
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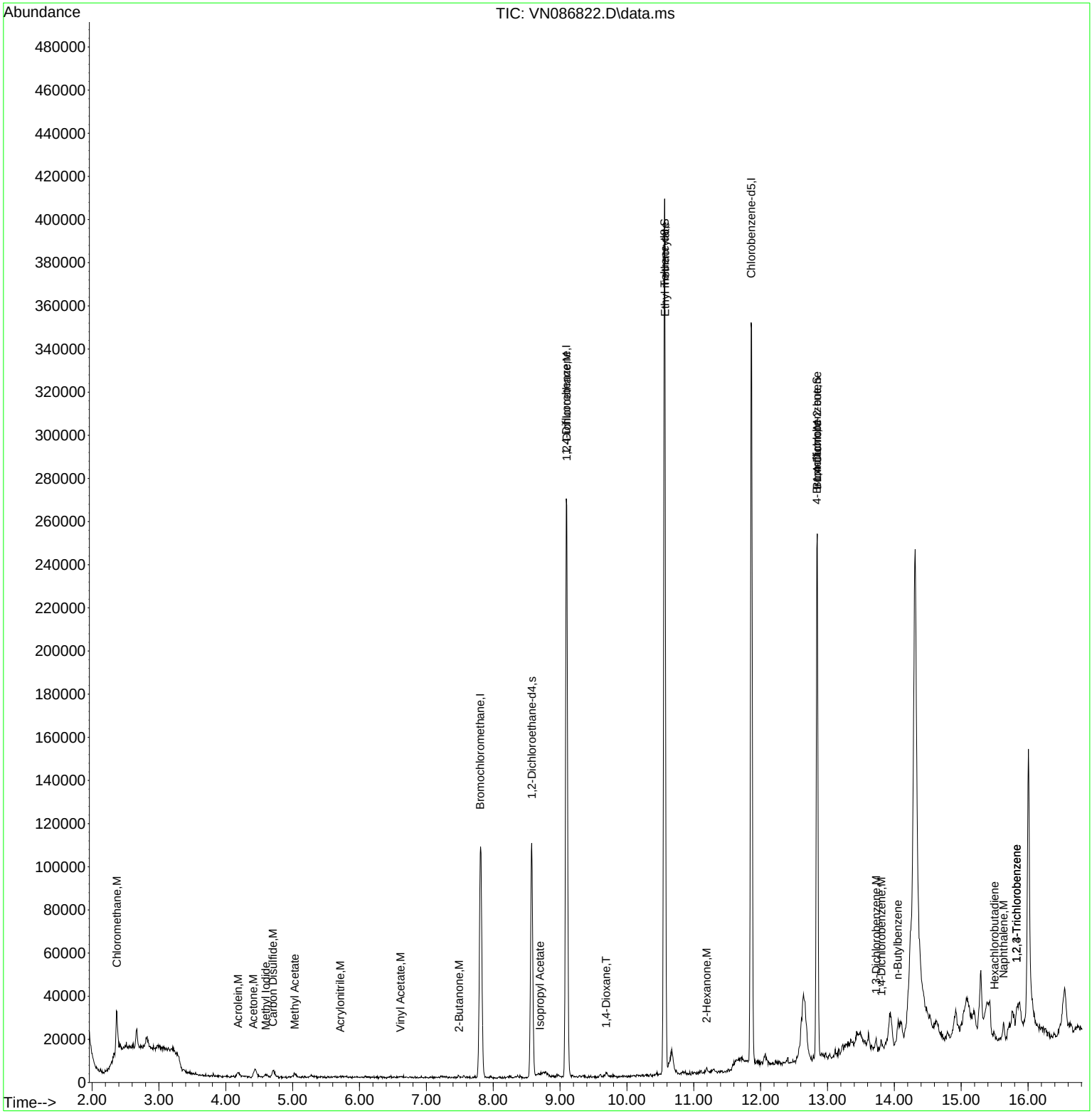
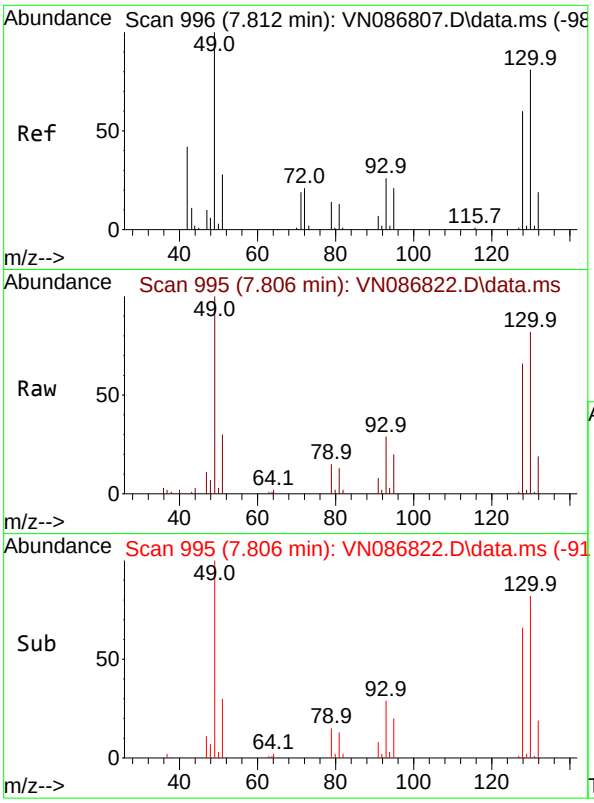


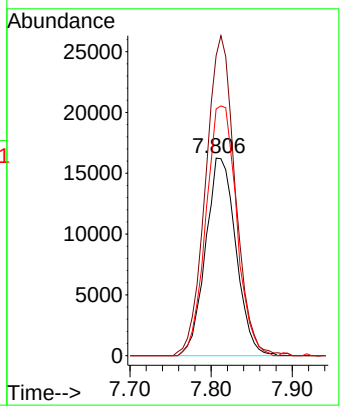


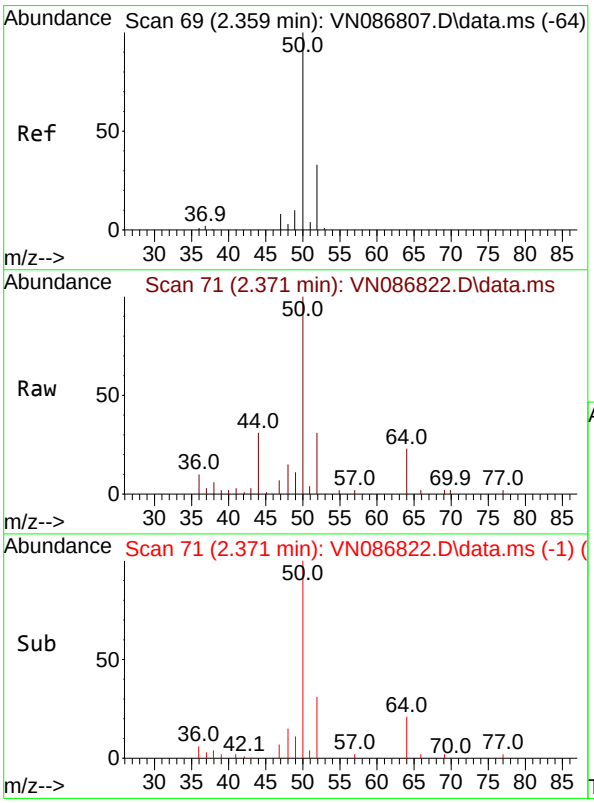
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.806 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN086822.D
Acq: 29 May 2025 18:13

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion:128 Resp: 42145

Ion	Ratio	Lower	Upper
128	100		
49	157.7	0.0	404.5
130	127.9	0.0	322.2

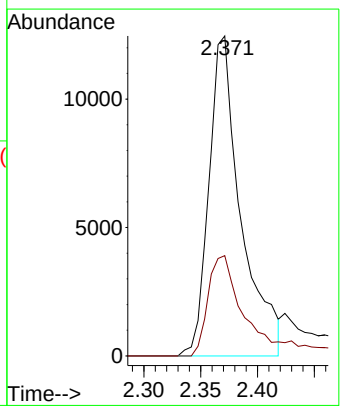


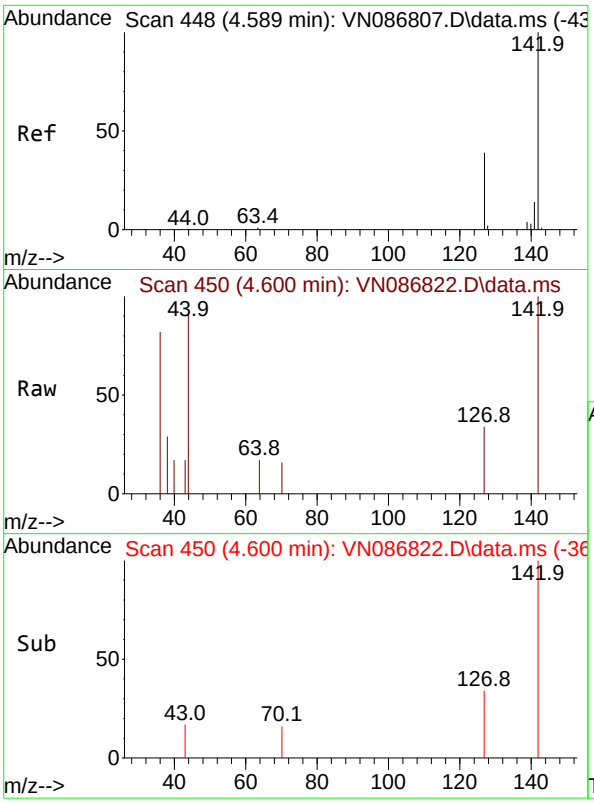


#3
Chloromethane
Concen: 6.620 ug/l
RT: 2.371 min Scan# 71
Delta R.T. 0.012 min
Lab File: VN086822.D
Acq: 29 May 2025 18:13

Tgt Ion: 50 Resp: 24432

Ion	Ratio	Lower	Upper
50	100		
52	31.3	26.6	40.0



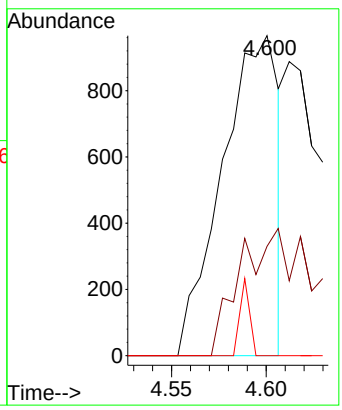


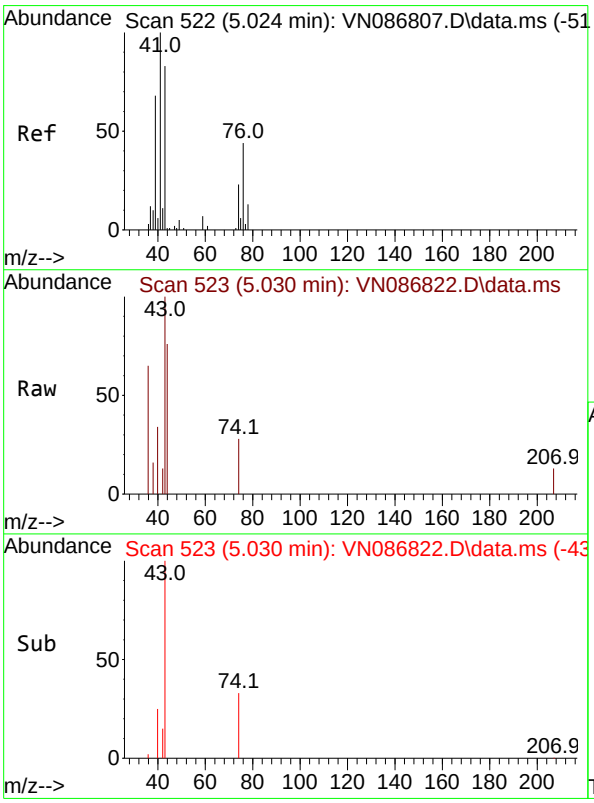
#11
Methyl Iodide
Concen: 0.682 ug/l
RT: 4.600 min Scan# 4
Delta R.T. 0.012 min
Lab File: VN086822.D
Acq: 29 May 2025 18:13

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion:142 Resp: 1999

Ion	Ratio	Lower	Upper
142	100		
127	24.5	19.5	58.5
141	0.0	7.1	21.4#

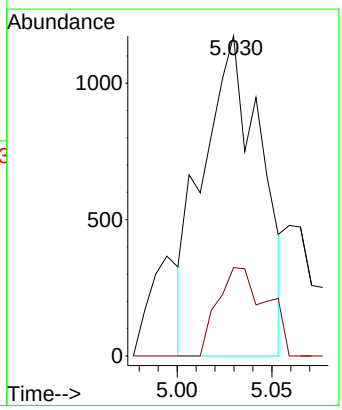


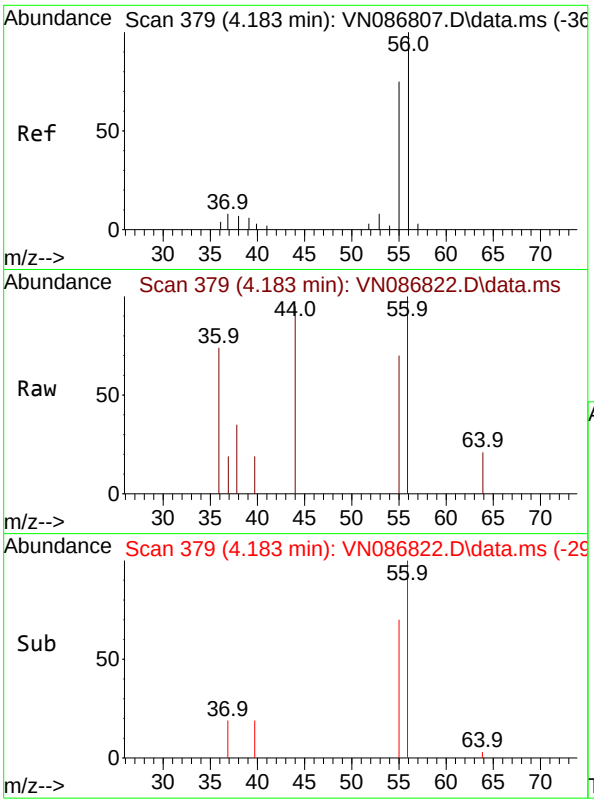


#12
Methyl Acetate
Concen: 0.902 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.006 min
Lab File: VN086822.D
Acq: 29 May 2025 18:13

Tgt Ion: 43 Resp: 2491

Ion	Ratio	Lower	Upper
43	100		
74	27.7	22.7	34.1



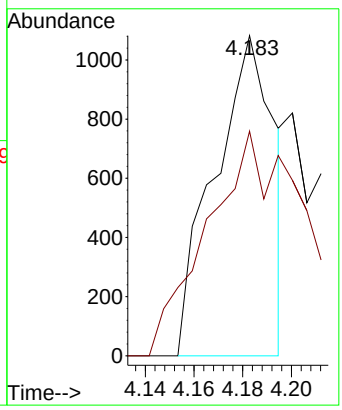


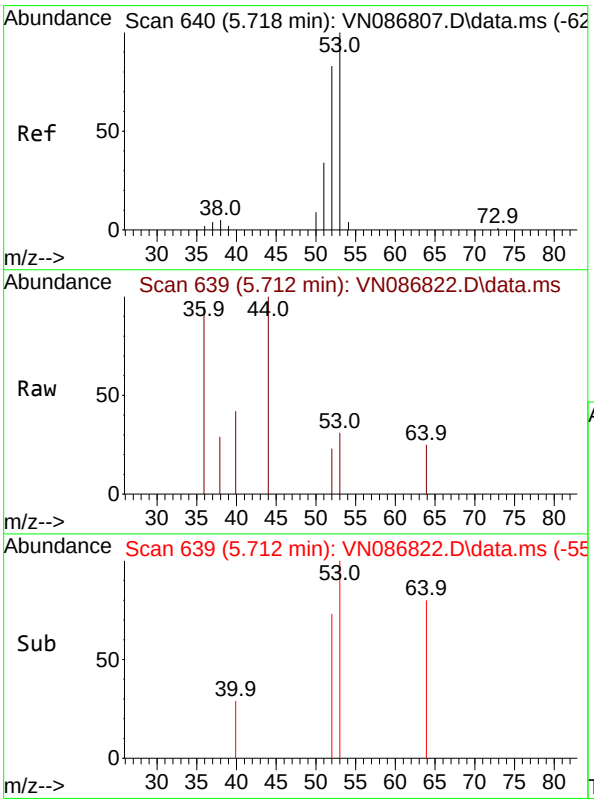
#13
Acrolein
Concen: 6.456 ug/l
RT: 4.183 min Scan# 3
Delta R.T. -0.000 min
Lab File: VN086822.D
Acq: 29 May 2025 18:13

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion: 56 Resp: 1841

Ion	Ratio	Lower	Upper
56	100		
55	67.2	55.9	83.9

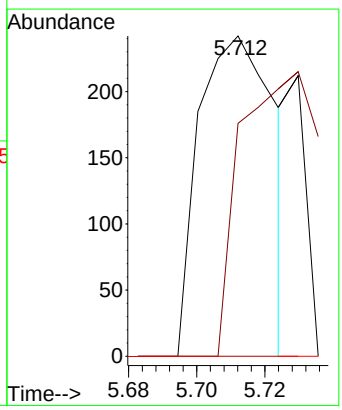


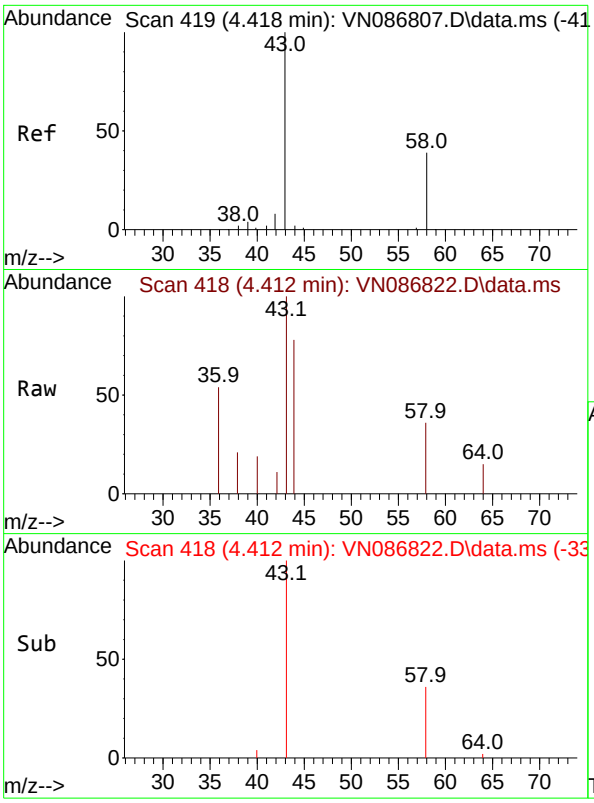


#14
Acrylonitrile
Concen: 0.290 ug/l
RT: 5.712 min Scan# 639
Delta R.T. -0.006 min
Lab File: VN086822.D
Acq: 29 May 2025 18:13

Tgt Ion: 53 Resp: 372

Ion	Ratio	Lower	Upper
53	100		
52	0.0	40.0	119.9#
51	0.0	17.5	52.6#



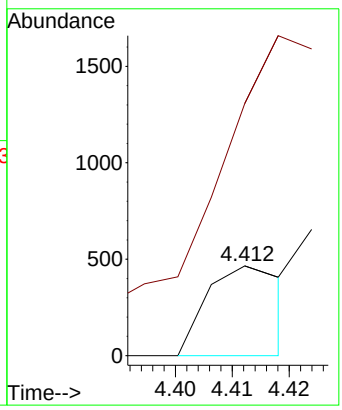


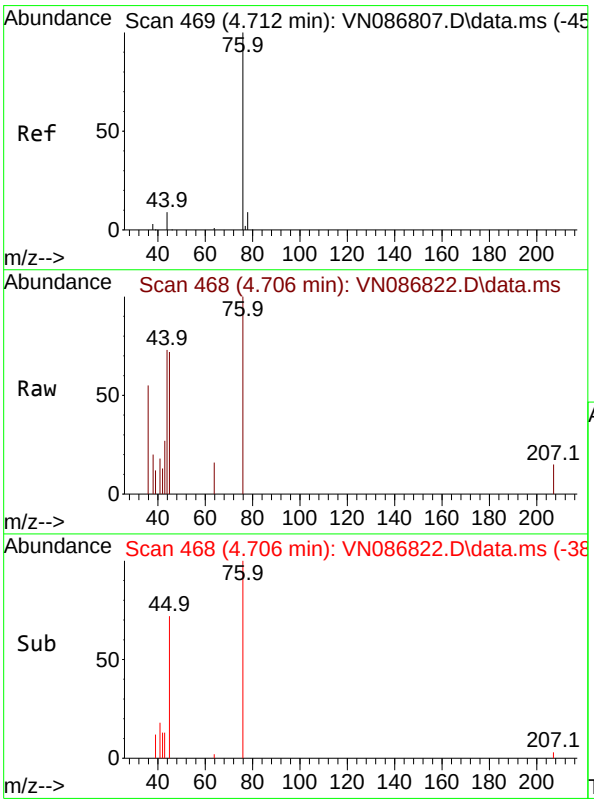
#15
Acetone
Concen: 1.347 ug/l
RT: 4.412 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN086822.D
Acq: 29 May 2025 18:13

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion: 58 Resp: 438

Ion	Ratio	Lower	Upper
58	100		
43	193.1	207.7	311.5#

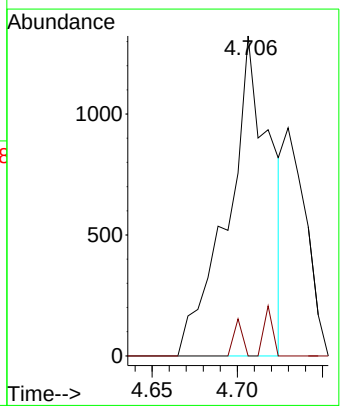


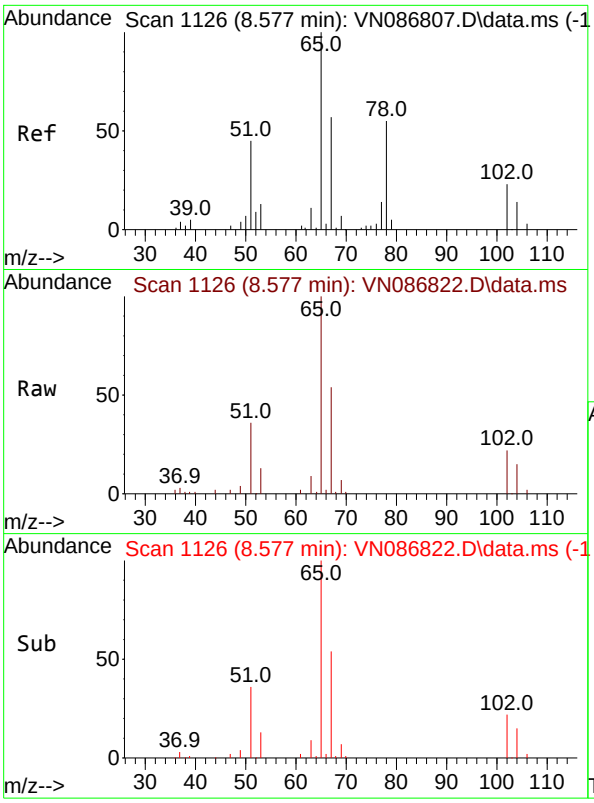


#16
Carbon Disulfide
Concen: 0.315 ug/l
RT: 4.706 min Scan# 468
Delta R.T. -0.006 min
Lab File: VN086822.D
Acq: 29 May 2025 18:13

Tgt Ion: 76 Resp: 2283

Ion	Ratio	Lower	Upper
76	100		
78	0.0	7.2	10.8#



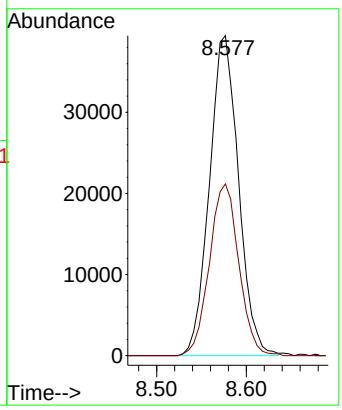


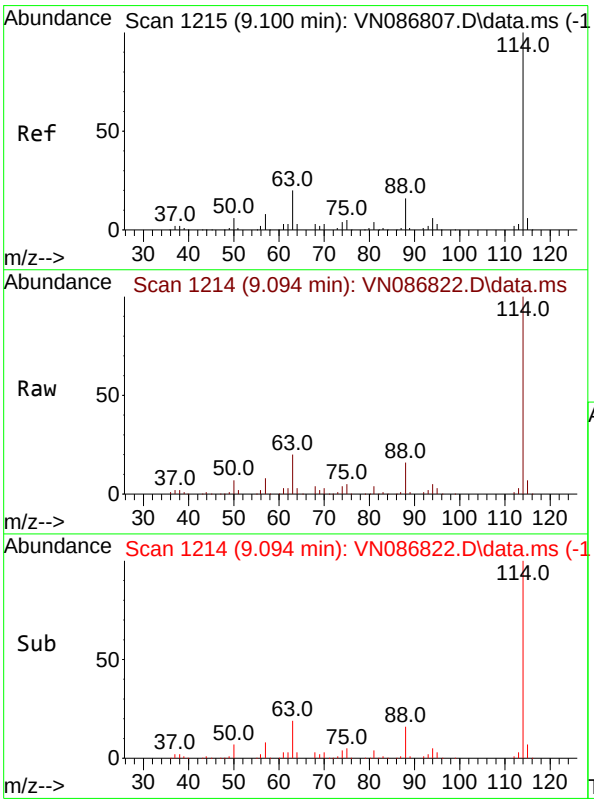
#27
1,2-Dichloroethane-d4
Concen: 30.710 ug/l
RT: 8.577 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086822.D
Acq: 29 May 2025 18:13

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion: 65 Resp: 88927

Ion	Ratio	Lower	Upper
65	100		
67	54.2	44.6	67.0

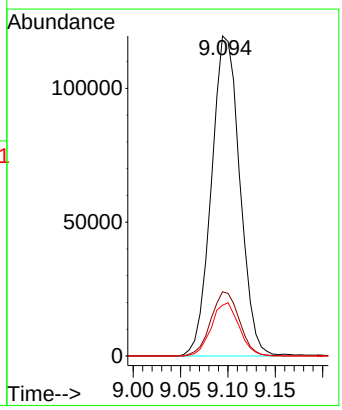


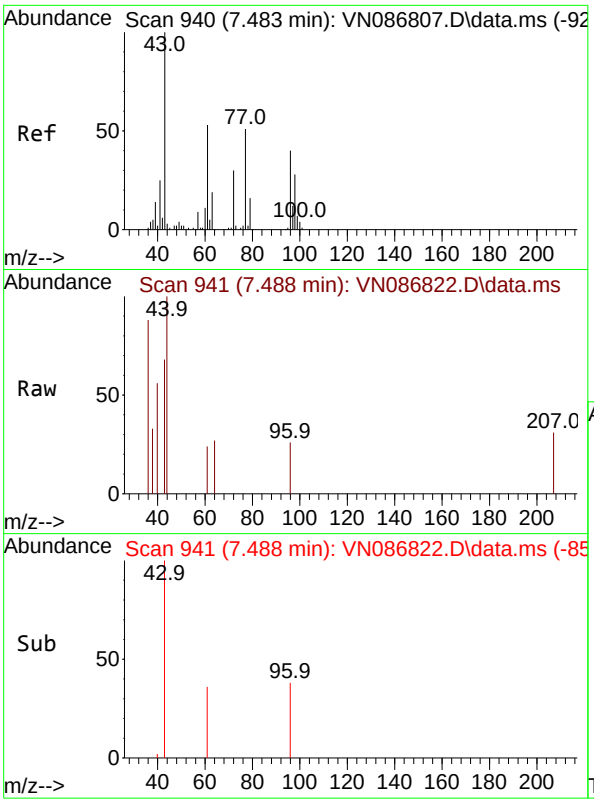


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.094 min Scan# 1214
Delta R.T. -0.006 min
Lab File: VN086822.D
Acq: 29 May 2025 18:13

Tgt Ion:114 Resp: 249129

Ion	Ratio	Lower	Upper
114	100		
63	20.1	15.8	23.8
88	16.2	12.9	19.3



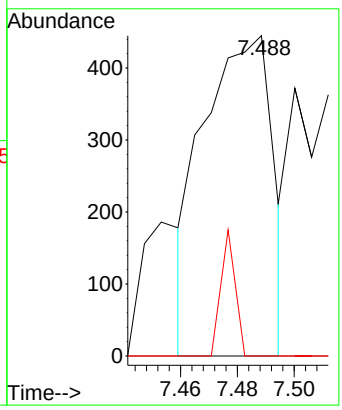


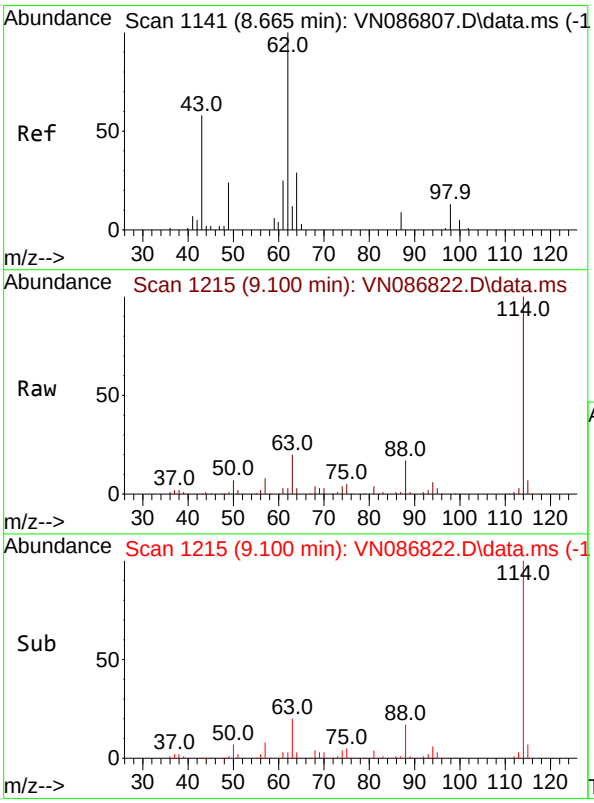
#30
2-Butanone
Concen: 0.470 ug/l
RT: 7.488 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN086822.D
Acq: 29 May 2025 18:13

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion: 43 Resp: 754

Ion	Ratio	Lower	Upper
43	100		
57	0.0	6.8	10.2#
72	0.0	23.4	35.0#

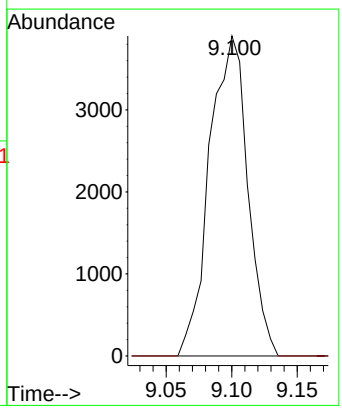


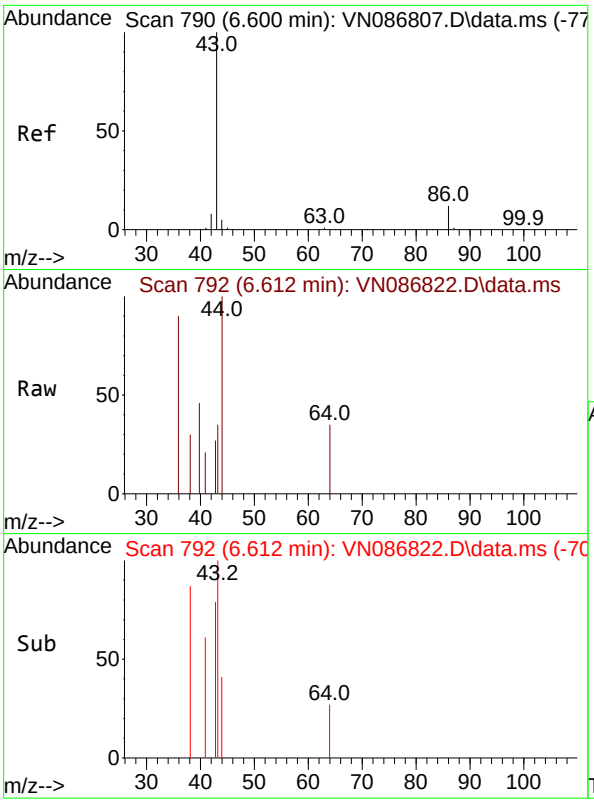


#36
1,2-Dichloroethane
Concen: 2.262 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.435 min
Lab File: VN086822.D
Acq: 29 May 2025 18:13

Tgt Ion: 62 Resp: 7901

Ion	Ratio	Lower	Upper
62	100		
98	0.0	8.5	12.7#



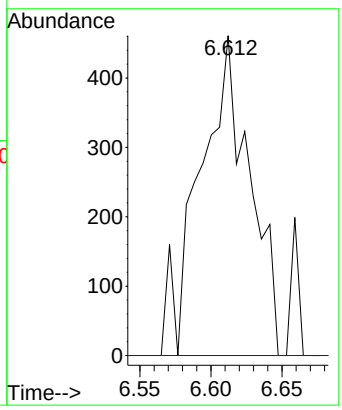


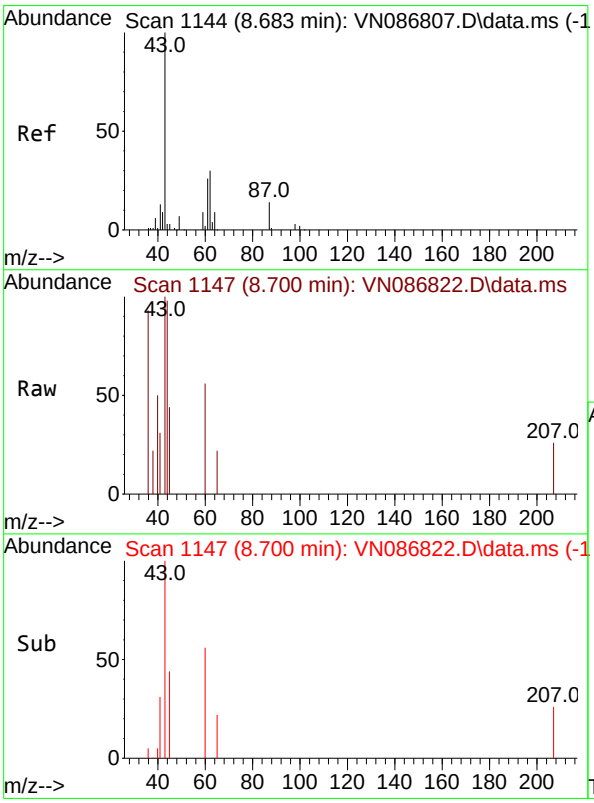
#42
Vinyl Acetate
Concen: 0.229 ug/l
RT: 6.612 min Scan# 7
Delta R.T. 0.012 min
Lab File: VN086822.D
Acq: 29 May 2025 18:13

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion: 43 Resp: 1073

Ion	Ratio	Lower	Upper
43	100		
86	0.0	9.5	14.3#

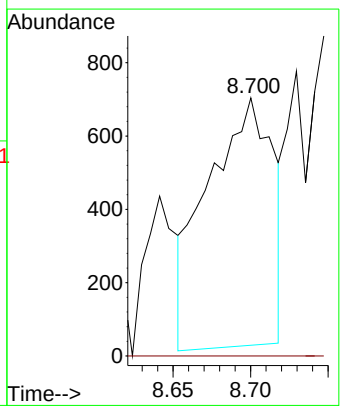


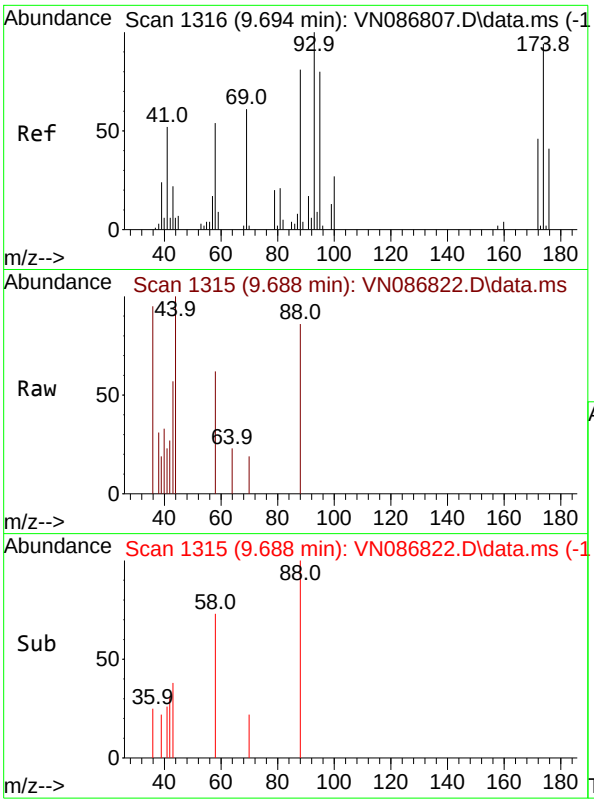


#44
Isopropyl Acetate
Concen: 0.351 ug/l
RT: 8.700 min Scan# 1147
Delta R.T. 0.018 min
Lab File: VN086822.D
Acq: 29 May 2025 18:13

Tgt Ion: 43 Resp: 1980

Ion	Ratio	Lower	Upper
43	100		
61	0.0	23.8	35.6#



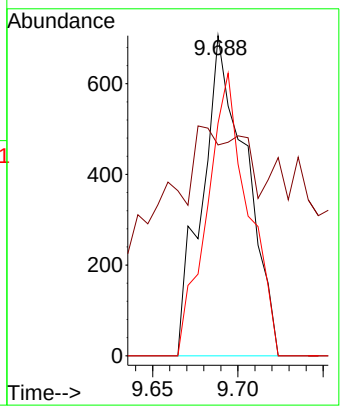


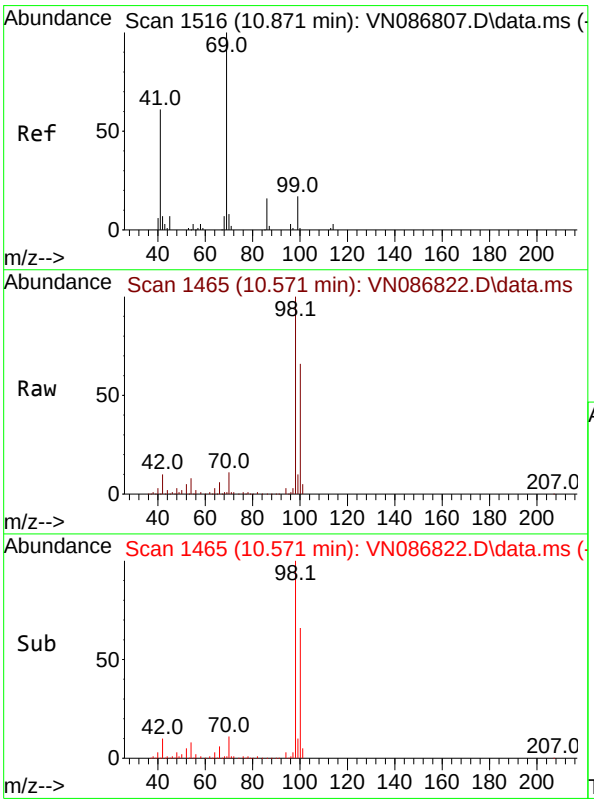
#45
1,4-Dioxane
Concen: 25.204 ug/l
RT: 9.688 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086822.D
Acq: 29 May 2025 18:13

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion: 88 Resp: 1262

Ion	Ratio	Lower	Upper
88	100		
43	15.2	23.0	34.6#
58	83.2	57.6	86.4

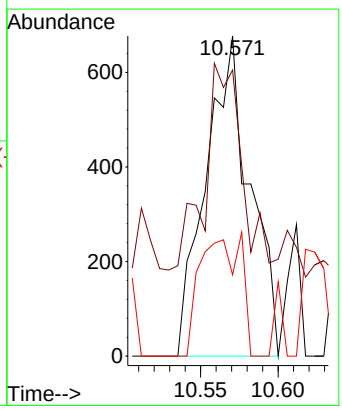


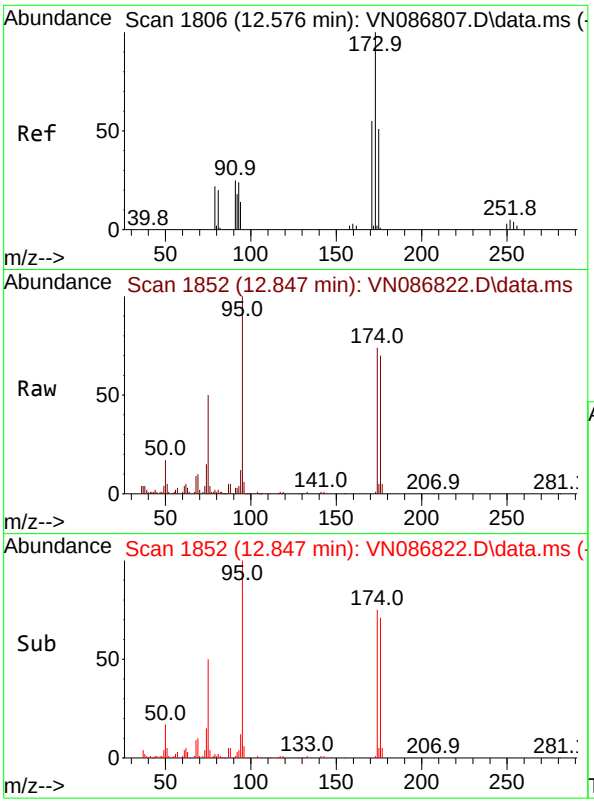


#51
Ethyl methacrylate
Concen: 0.314 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.300 min
Lab File: VN086822.D
Acq: 29 May 2025 18:13

Tgt Ion: 69 Resp: 1345

Ion	Ratio	Lower	Upper
69	100		
41	61.2	30.5	91.5
39	25.4	14.3	42.9



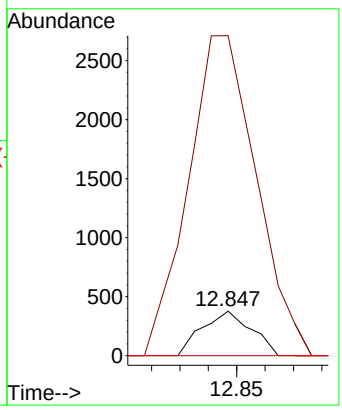


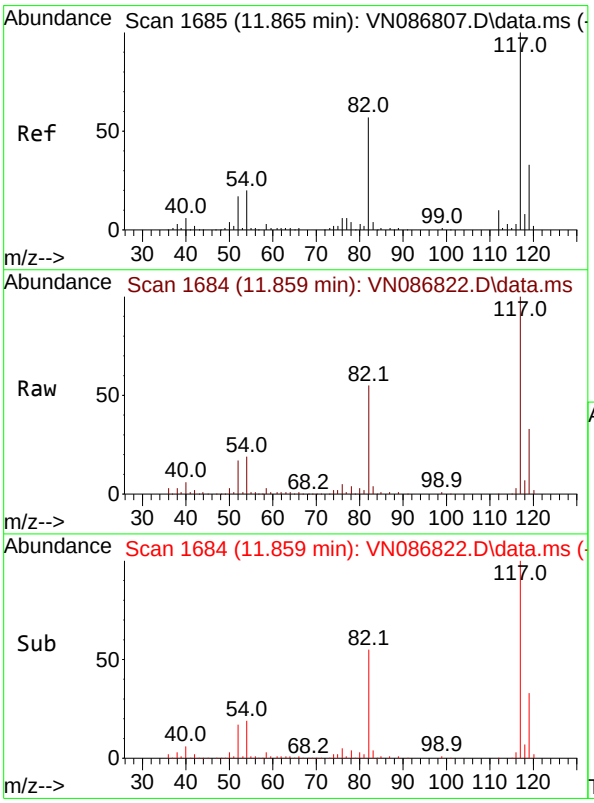
#56
Bromoform
Concen: 0.242 ug/l
RT: 12.847 min Scan# 1
Delta R.T. 0.271 min
Lab File: VN086822.D
Acq: 29 May 2025 18:13

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion:173 Resp: 456

Ion	Ratio	Lower	Upper
173	100		
175	993.2	39.7	59.5#
254	0.0	3.5	5.3#

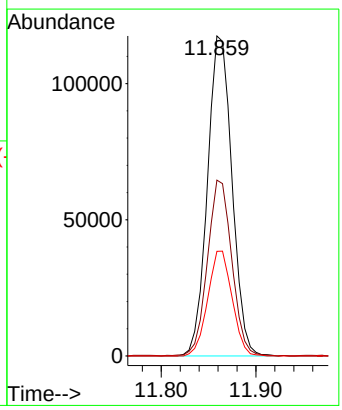


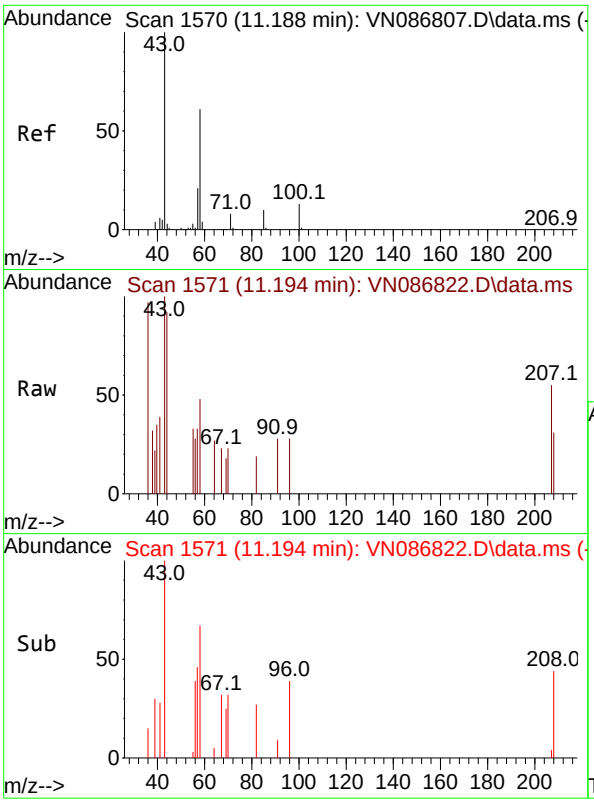


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.859 min Scan# 1684
Delta R.T. -0.006 min
Lab File: VN086822.D
Acq: 29 May 2025 18:13

Tgt Ion:117 Resp: 212209

Ion	Ratio	Lower	Upper
117	100		
82	54.7	44.7	67.1
119	32.5	25.6	38.4



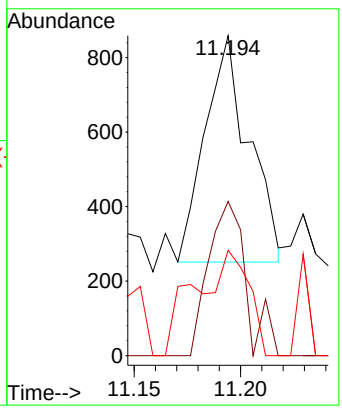


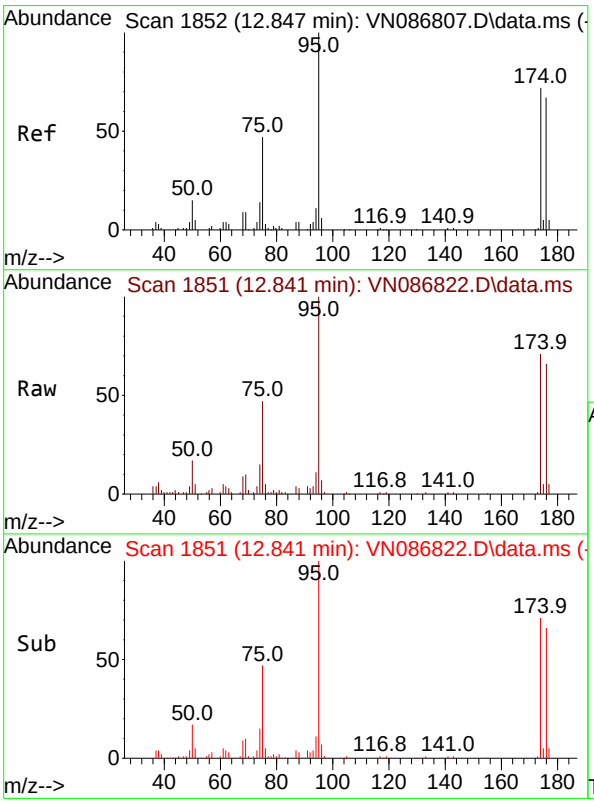
#59
2-Hexanone
Concen: 0.390 ug/l
RT: 11.194 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086822.D
Acq: 29 May 2025 18:13

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion: 43 Resp: 869

Ion	Ratio	Lower	Upper
43	100		
58	51.9	49.1	73.7
57	35.0	16.6	25.0#

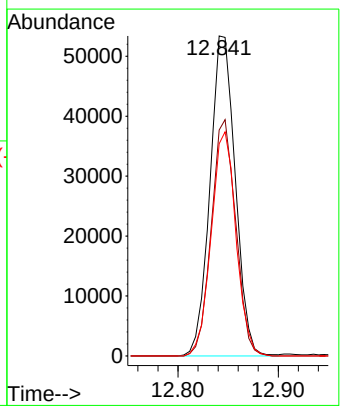


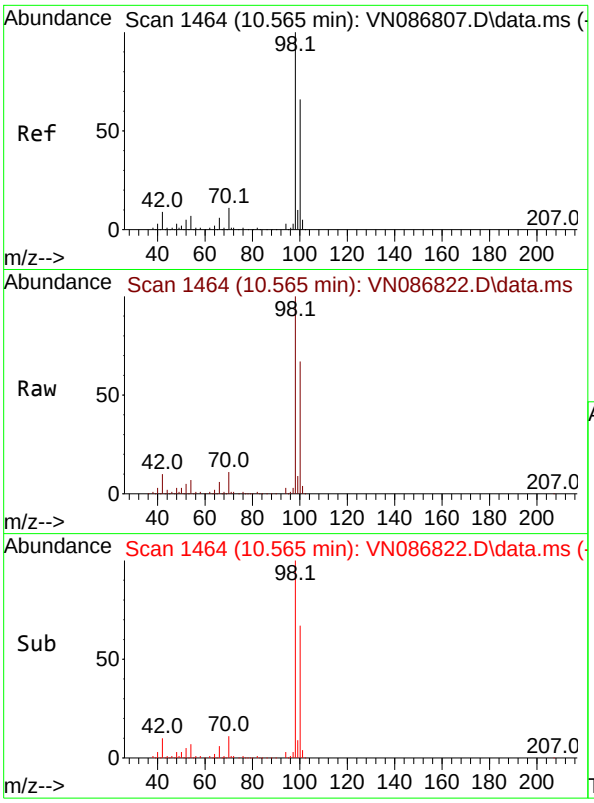


#60
4-Bromofluorobenzene
Concen: 28.064 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. -0.006 min
Lab File: VN086822.D
Acq: 29 May 2025 18:13

Tgt Ion: 95 Resp: 93501

Ion	Ratio	Lower	Upper
95	100		
174	71.2	56.2	84.4
176	68.5	53.4	80.0



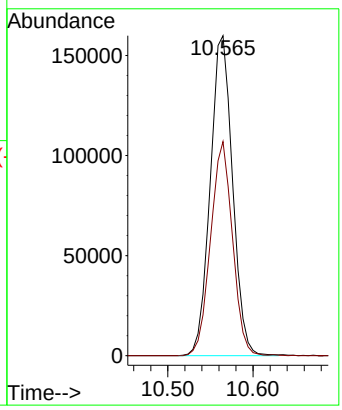


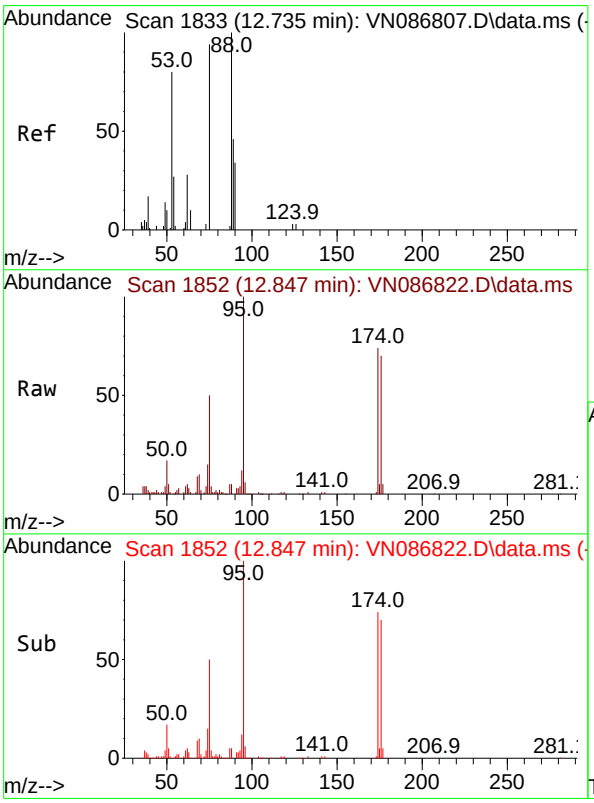
#63
Toluene-d8
Concen: 29.879 ug/l
RT: 10.565 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN086822.D
Acq: 29 May 2025 18:13

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion: 98 Resp: 291028

Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.7	79.1

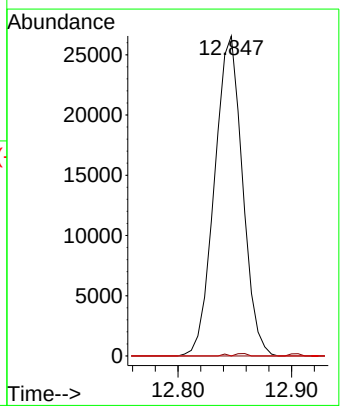


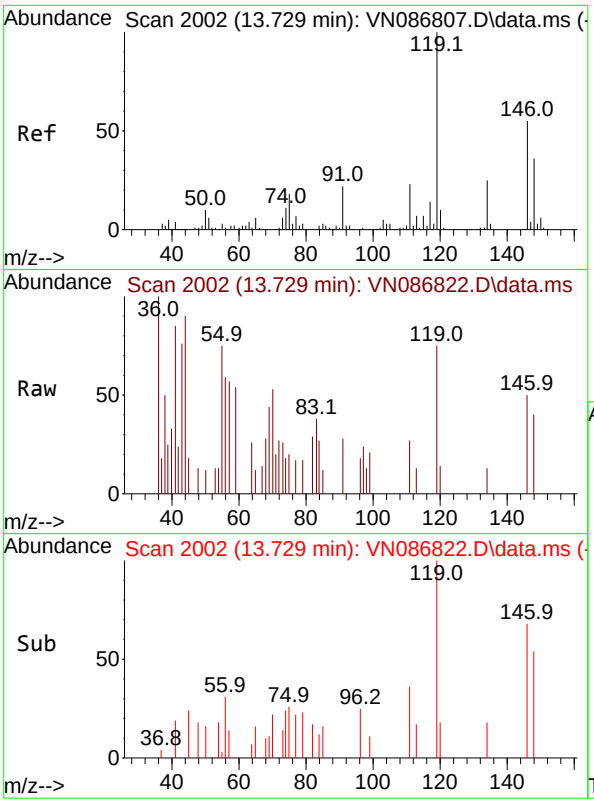


#77
t-1,4-Dichloro-2-butene
Concen: 34.098 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN086822.D
Acq: 29 May 2025 18:13

Tgt Ion: 75 Resp: 45465

Ion	Ratio	Lower	Upper
75	100		
53	0.0	43.0	128.8#
89	0.0	25.4	76.2#



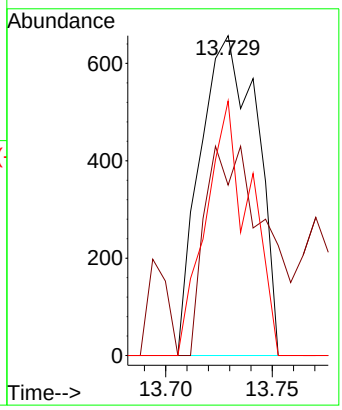


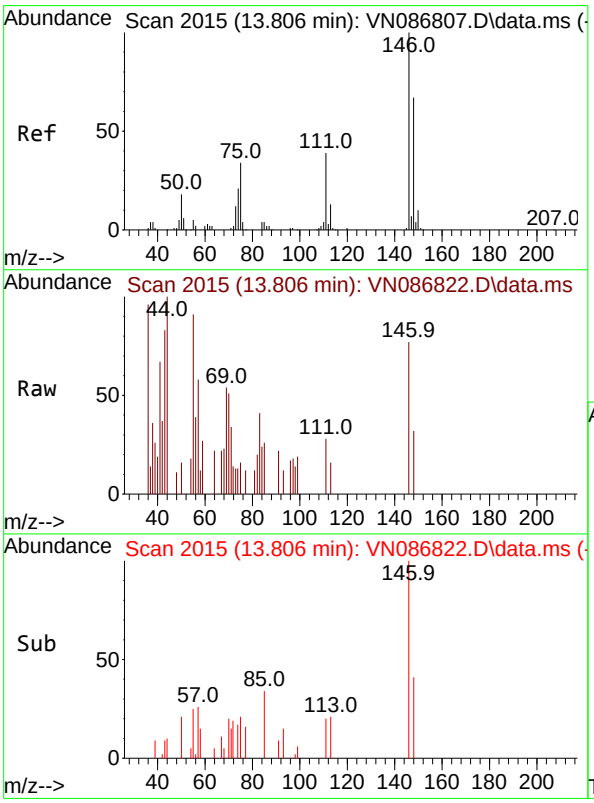
#83
1,3-Dichlorobenzene
Concen: 0.228 ug/l
RT: 13.729 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN086822.D
Acq: 29 May 2025 18:13

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion:146 Resp: 1214

Ion	Ratio	Lower	Upper
146	100		
111	70.0	21.1	63.1#
148	45.8	32.1	96.5

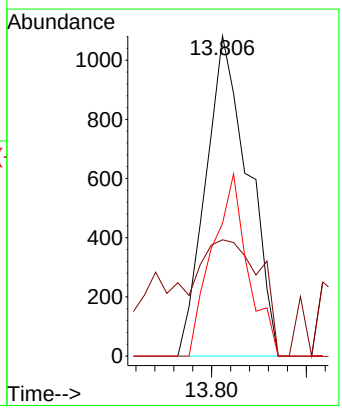


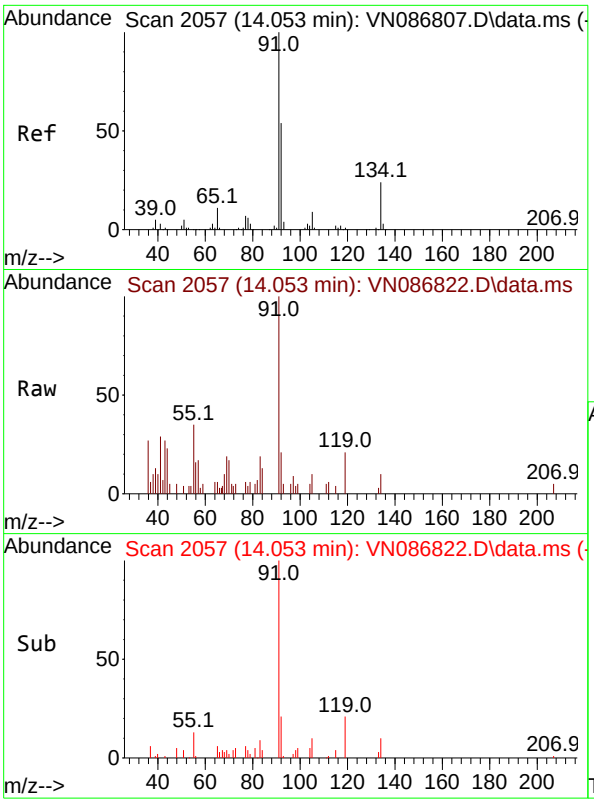


#84
1,4-Dichlorobenzene
Concen: 0.318 ug/l
RT: 13.806 min Scan# 2015
Delta R.T. 0.000 min
Lab File: VN086822.D
Acq: 29 May 2025 18:13

Tgt Ion:146 Resp: 1686

Ion	Ratio	Lower	Upper
146	100		
111	17.7	19.8	59.4#
148	48.0	31.9	95.5



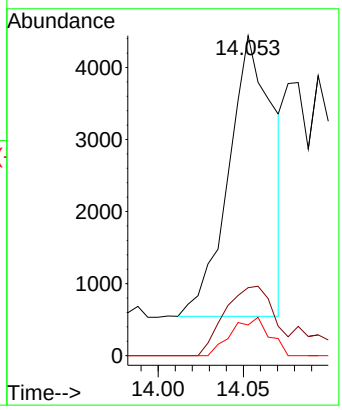


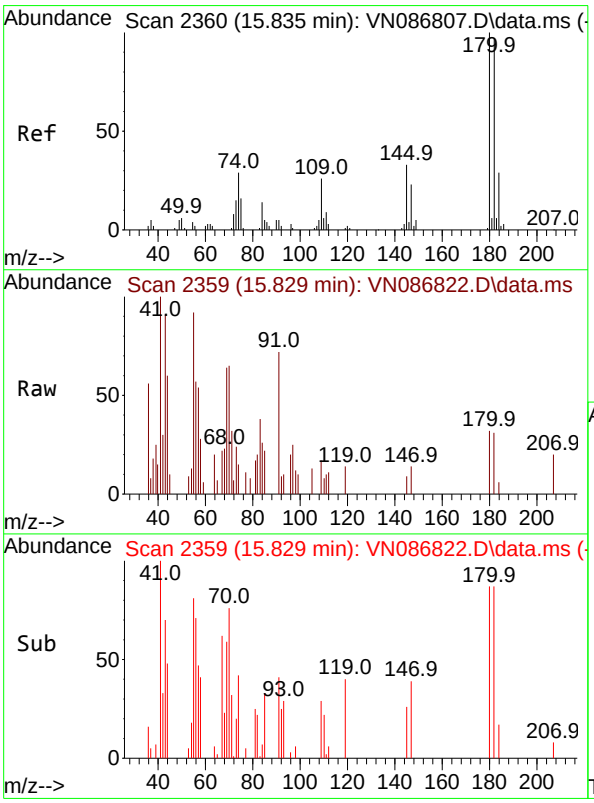
#85
n-Butylbenzene
Concen: 0.878 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086822.D
Acq: 29 May 2025 18:13

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion: 91 Resp: 7069

Ion	Ratio	Lower	Upper
91	100		
92	27.6	0.0	107.6
134	11.5	0.0	50.0

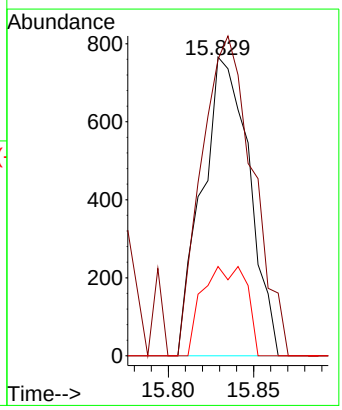


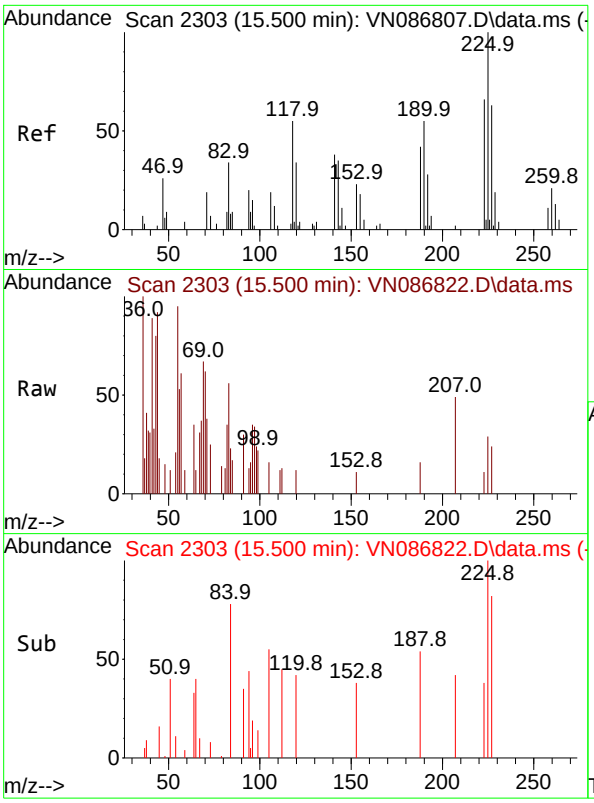


#89
1,2,4-Trichlorobenzene
Concen: 0.684 ug/l
RT: 15.829 min Scan# 2359
Delta R.T. -0.006 min
Lab File: VN086822.D
Acq: 29 May 2025 18:13

Tgt Ion:180 Resp: 1472

Ion	Ratio	Lower	Upper
180	100		
182	116.7	78.2	117.2
145	18.3	28.0	42.0#



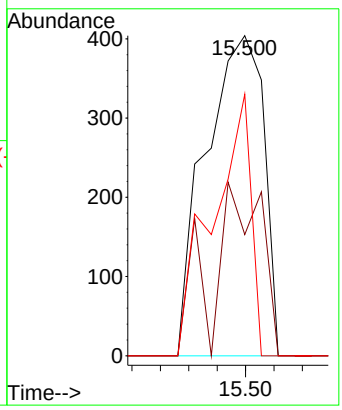


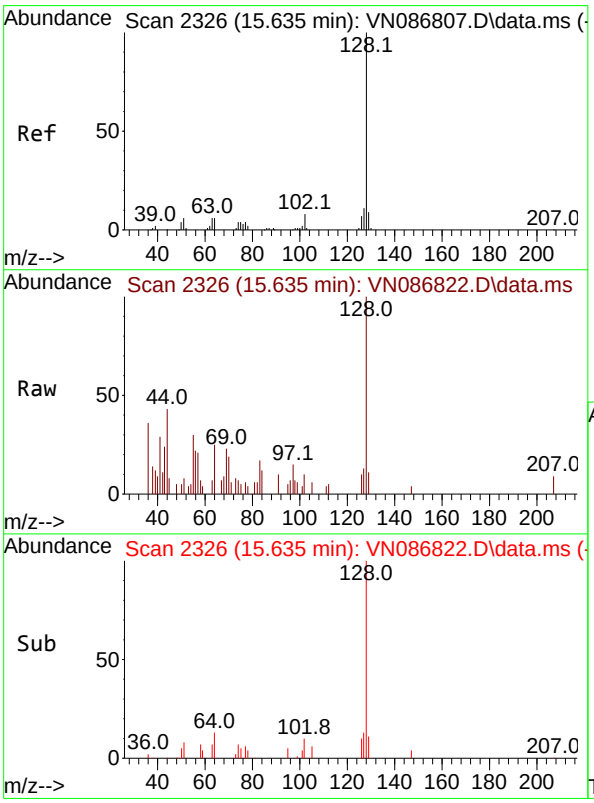
#90
Hexachlorobutadiene
Concen: 0.623 ug/l
RT: 15.500 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086822.D
Acq: 29 May 2025 18:13

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion:225 Resp: 575

Ion	Ratio	Lower	Upper
225	100		
223	35.5	0.0	135.8
227	54.3	0.0	125.0

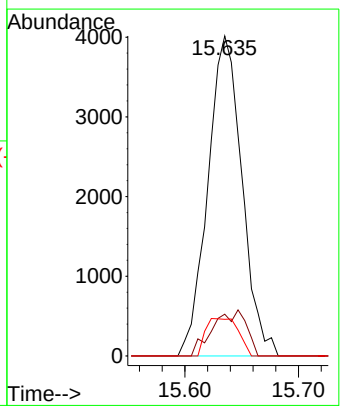


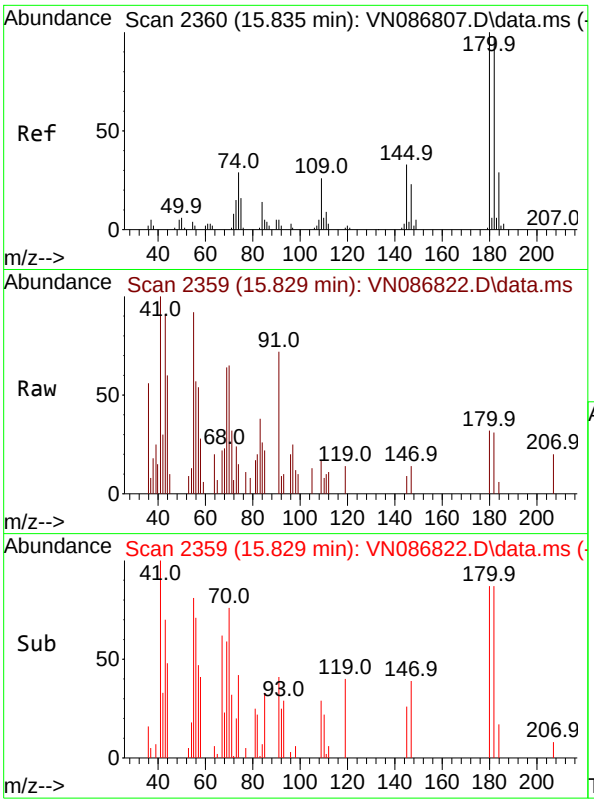


#91
Naphthalene
Concen: 1.117 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. -0.000 min
Lab File: VN086822.D
Acq: 29 May 2025 18:13

Tgt Ion:128 Resp: 8389

Ion	Ratio	Lower	Upper
128	100		
127	8.9	9.8	14.6#
129	7.2	8.6	13.0#





#92
1,2,3-Trichlorobenzene
Concen: 0.684 ug/l
RT: 15.829 min Scan# 2
Delta R.T. -0.006 min
Lab File: VN086822.D
Acq: 29 May 2025 18:13

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion:180 Resp: 1472

Ion	Ratio	Lower	Upper
180	100		
182	116.7	0.0	195.4
145	18.3	0.0	70.0