Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122024\
Data File : VN085279.D
Acq On : 20 Dec 2024 13:08
Operator : JC\MD
Sample : VN1220WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS01

Quant Time: Dec 21 02:22:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N122024W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Dec 21 02:03:07 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.812	128	31867	30.000	ug/l		0.00
28) 1,4-Difluorobenzene	9.100	114	172468	30.000	ug/l		0.00
57) Chlorobenzene-d5	11.865	117	157990	30.000	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.577	65	82369	29.383	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 97.933%				
60) 4-Bromofluorobenzene	12.847	95	75523	29.511	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 98.367%				
63) Toluene-d8	10.565	98	230556	29.885	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 99.633%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.124	85	58801	22.068	ug/l		100
3) Chloromethane	2.353	50	57909	21.525	ug/l		99
4) Vinyl Chloride	2.512	62	57182	20.933	ug/l		100
5) Bromomethane	2.965	94	34973	21.901	ug/l		88
6) Chloroethane	3.124	64	36991	21.452	ug/l		95
7) Trichlorofluoromethane	3.495	101	83298	22.196	ug/l		99
8) Diethyl Ether	3.959	74	28568	22.103	ug/l		89
9) 1,1,2-Trichlorotrifluo...	4.371	101	46853	21.742	ug/l		99
10) 1,1-Dichloroethene	4.342	96	42324	21.499	ug/l		92
11) Methyl Iodide	4.589	142	51095	21.656	ug/l		96
12) Methyl Acetate	5.024	43	64902	22.076	ug/l		94
13) Acrolein	4.183	56	25390	96.740	ug/l		98
14) Acrylonitrile	5.718	53	122144	107.419	ug/l		99
15) Acetone	4.430	58	31986	111.512	ug/l		97
16) Carbon Disulfide	4.706	76	130253	21.766	ug/l		98
17) Allyl chloride	5.024	41	67255	21.119	ug/l		96
18) Methylene Chloride	5.271	84	48729	20.772	ug/l		98
19) trans-1,2-Dichloroethene	5.783	96	46096	22.512	ug/l		92
20) Diisopropyl ether	6.665	45	162292	22.236	ug/l		97
21) 1,1-Dichloroethane	6.565	63	91122	21.356	ug/l	#	96
22) cis-1,2-Dichloroethene	7.483	96	51530	21.134	ug/l		99
23) tert-Butyl Alcohol	5.518	59	42197	112.602	ug/l	#	100
24) Methyl tert-Butyl Ether	5.800	73	143241m	22.168	ug/l		
25) Chloroform	7.965	83	92306	21.342	ug/l		97
26) Cyclohexane	8.259	56	69979	21.511	ug/l	#	97
29) 1,1-Dichloropropene	8.371	75	63380	21.166	ug/l		99
30) 2-Butanone	7.483	43	168111	106.358	ug/l		100
31) 2,2-Dichloropropane	7.488	77	81068	21.365	ug/l		100
32) 1,1,1-Trichloroethane	8.165	97	81181	20.855	ug/l		98
33) Carbon Tetrachloride	8.359	117	70681	20.742	ug/l		97
34) Benzene	8.600	78	201036	21.239	ug/l		98
35) Methacrylonitrile	7.777	41	35070	20.043	ug/l		99
36) 1,2-Dichloroethane	8.671	62	70279	20.533	ug/l		98
37) Trichloroethene	9.353	130	43632	20.951	ug/l		95
38) Methylcyclohexane	9.600	83	64407	20.785	ug/l		96
39) 1,2-Dichloropropane	9.618	63	50298	20.886	ug/l		99
40) Dibromomethane	9.706	93	33809	20.136	ug/l		99
41) Bromodichloromethane	9.888	83	72199	20.576	ug/l		98
42) Vinyl Acetate	6.600	43	589376	105.634	ug/l		100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122024\
Data File : VN085279.D
Acq On : 20 Dec 2024 13:08
Operator : JC\MD
Sample : VN1220WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS01

Quant Time: Dec 21 02:22:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N122024W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Dec 21 02:03:07 2024
Response via : Initial Calibration

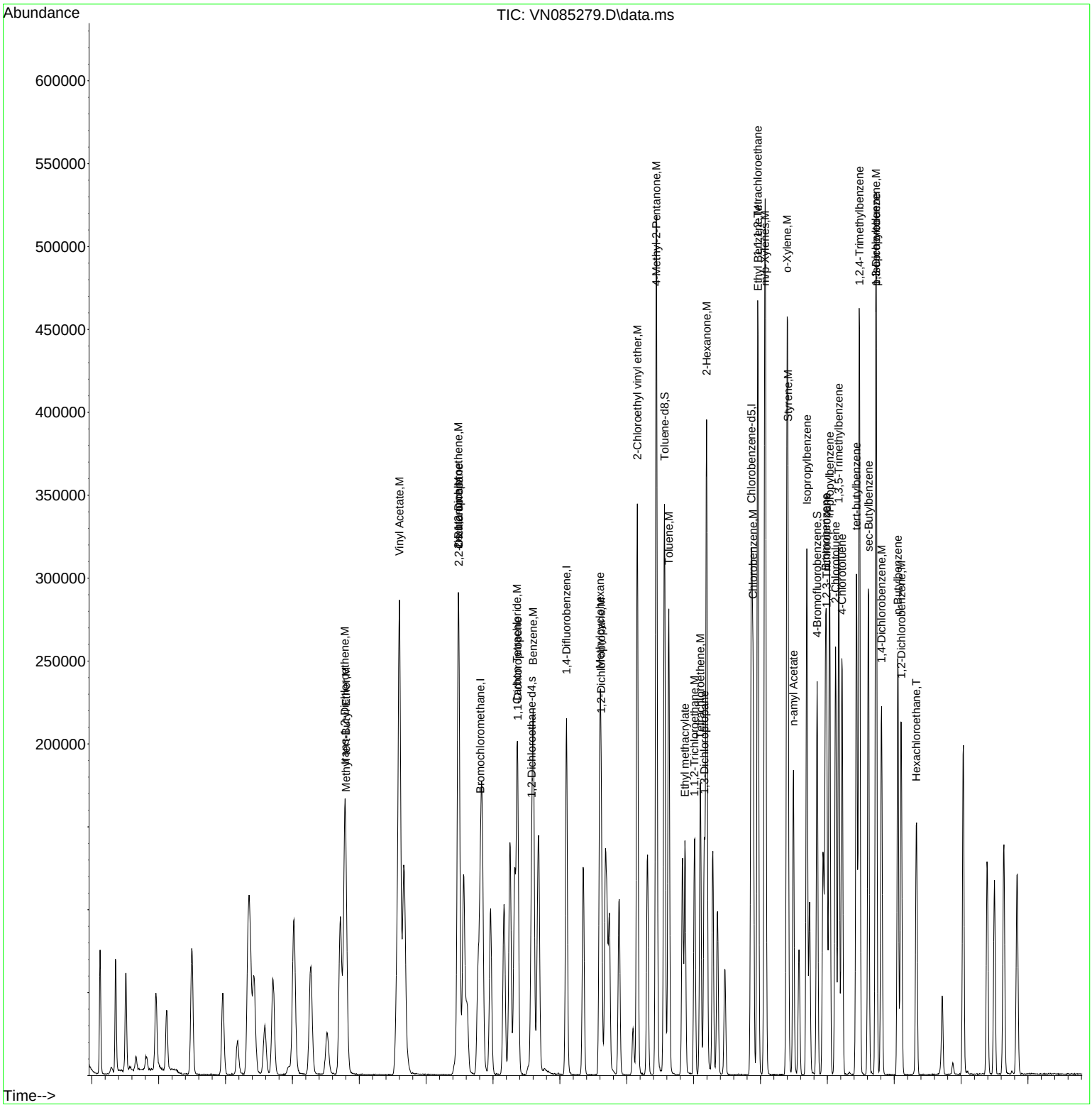
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	67695	20.710	ug/l	100
44) Isopropyl Acetate	8.688	43	113930	20.981	ug/l	100
45) 1,4-Dioxane	9.688	88	18231	431.656	ug/l	97
46) Methyl methacrylate	9.682	41	51888	20.586	ug/l	98
47) n-amyl Acetate	12.494	43	96610	20.885	ug/l	98
48) t-1,3-Dichloropropene	10.835	75	72734	20.986	ug/l	98
49) cis-1,3-Dichloropropene	10.306	75	77160	20.708	ug/l	98
50) 1,1,2-Trichloroethane	11.012	97	44590	20.307	ug/l	97
51) Ethyl methacrylate	10.871	69	68191	20.532	ug/l	90
52) 1,3-Dichloropropane	11.159	76	79663	20.784	ug/l	98
53) Dibromochloromethane	11.359	129	51104	19.862	ug/l	95
54) 1,2-Dibromoethane	11.465	107	44206	20.803	ug/l	100
55) 2-Chloroethyl vinyl ether	10.159	63	146313	85.526	ug/l	99
56) Bromoform	12.576	173	33750	20.107	ug/l	96
58) 4-Methyl-2-Pentanone	10.441	43	343878	107.366	ug/l	98
59) 2-Hexanone	11.194	43	253134	108.794	ug/l	99
61) Tetrachloroethene	11.100	164	37769	21.414	ug/l	93
62) Toluene	10.629	91	205901	21.213	ug/l	100
64) Chlorobenzene	11.888	112	124927	21.340	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.959	131	45676	21.515	ug/l	98
66) Ethyl Benzene	11.965	91	214011	20.955	ug/l	98
67) m/p-Xylenes	12.070	106	167058	43.601	ug/l	99
68) o-Xylene	12.400	106	75761	20.759	ug/l	96
69) Styrene	12.412	104	129473	20.991	ug/l	99
70) Isopropylbenzene	12.694	105	197876	21.592	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.935	83	66902	20.583	ug/l	98
72) 1,2,3-Trichloropropane	12.988	75	55463m	20.049	ug/l	
73) Bromobenzene	12.976	156	47232	20.862	ug/l	98
74) n-propylbenzene	13.035	91	241564	21.158	ug/l	99
75) 2-Chlorotoluene	13.123	91	145458	21.149	ug/l	99
76) 1,3,5-Trimethylbenzene	13.170	105	166889	21.343	ug/l	99
77) t-1,4-Dichloro-2-butene	12.735	75	22772	20.142	ug/l	95
78) 4-Chlorotoluene	13.217	91	148920	21.296	ug/l	99
79) tert-butylbenzene	13.435	119	132786	20.764	ug/l	99
80) 1,2,4-Trimethylbenzene	13.482	105	168429	21.639	ug/l	99
81) sec-Butylbenzene	13.617	105	196906	21.327	ug/l	99
82) p-Isopropyltoluene	13.729	119	162229	21.336	ug/l	99
83) 1,3-Dichlorobenzene	13.729	146	90298	21.386	ug/l	99
84) 1,4-Dichlorobenzene	13.812	146	87338	21.381	ug/l	97
85) n-Butylbenzene	14.053	91	135719	20.675	ug/l	99
86) Hexachloroethane	14.329	117	33892	20.763	ug/l	98
87) 1,2-Dichlorobenzene	14.106	146	86248	21.501	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.717	75	12330	20.780	ug/l	93
89) 1,2,4-Trichlorobenzene	15.841	180	41045	21.598	ug/l	98
90) Hexachlorobutadiene	15.500	225	20172	21.295	ug/l	88
91) Naphthalene	15.641	128	125165	20.499	ug/l	99
92) 1,2,3-Trichlorobenzene	15.841	180	41045	21.598	ug/l	98

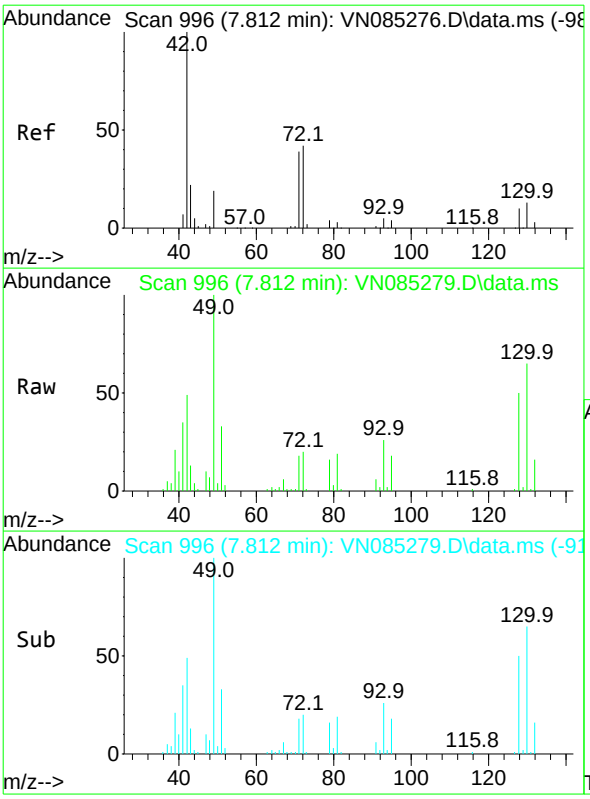
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122024\
Data File : VN085279.D
Acq On : 20 Dec 2024 13:08
Operator : JC\MD
Sample : VN1220WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS01

Quant Time: Dec 21 02:22:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N122024W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Dec 21 02:03:07 2024
Response via : Initial Calibration



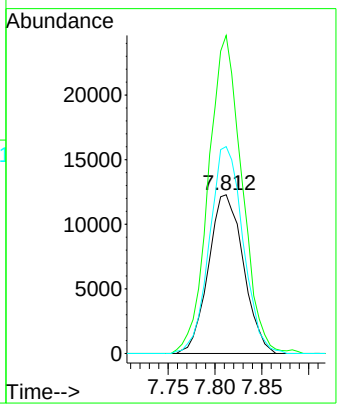


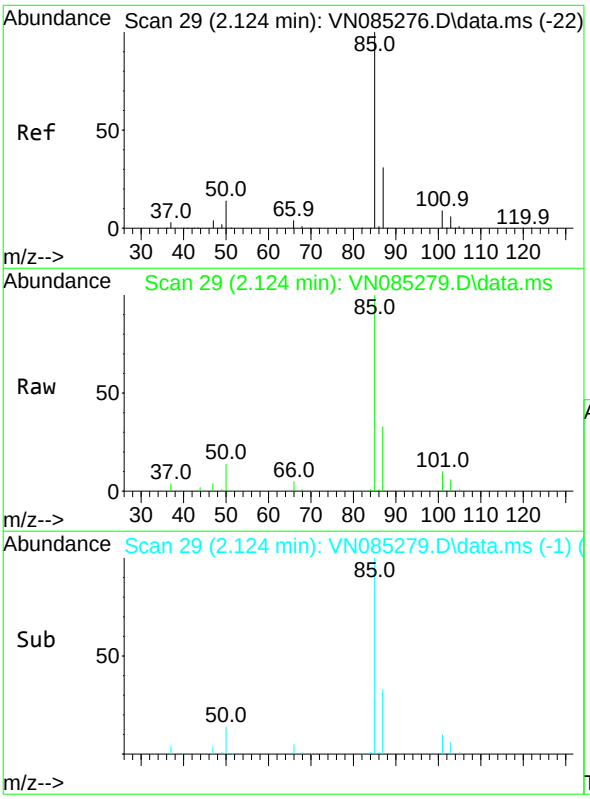
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 99
Delta R.T. -0.000 min
Lab File: VN085279.D
Acq: 20 Dec 2024 13:08

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS01

Tgt Ion:128 Resp: 31867

Ion	Ratio	Lower	Upper
128	100		
49	191.2	0.0	497.8
130	125.7	0.0	328.5

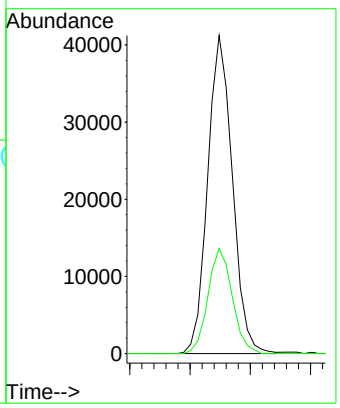


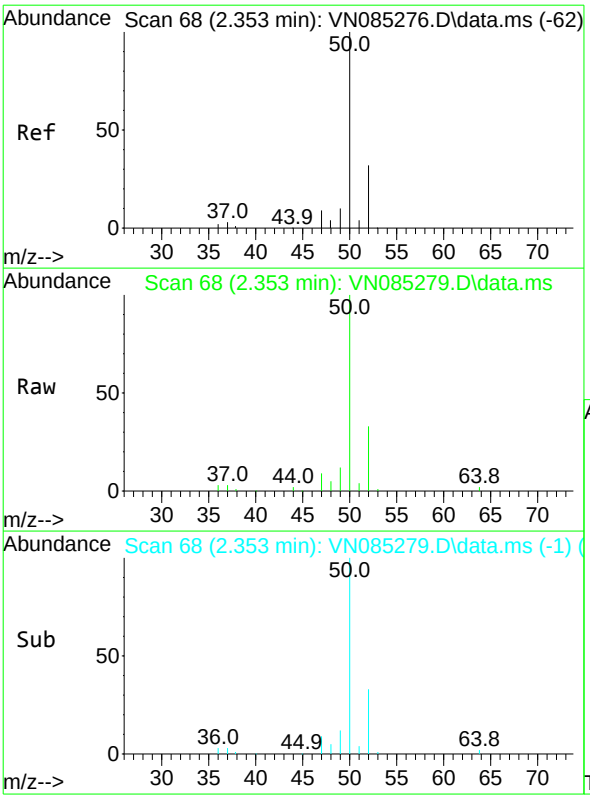


#2
Dichlorodifluoromethane
Concen: 22.068 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN085279.D
Acq: 20 Dec 2024 13:08

Tgt Ion: 85 Resp: 58801

Ion	Ratio	Lower	Upper
85	100		
87	33.0	16.5	49.5



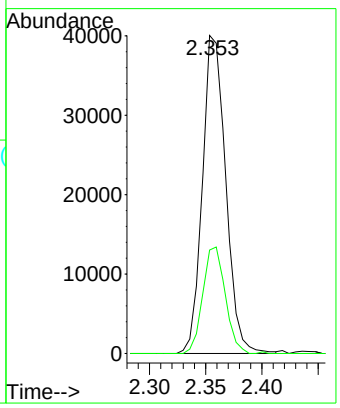


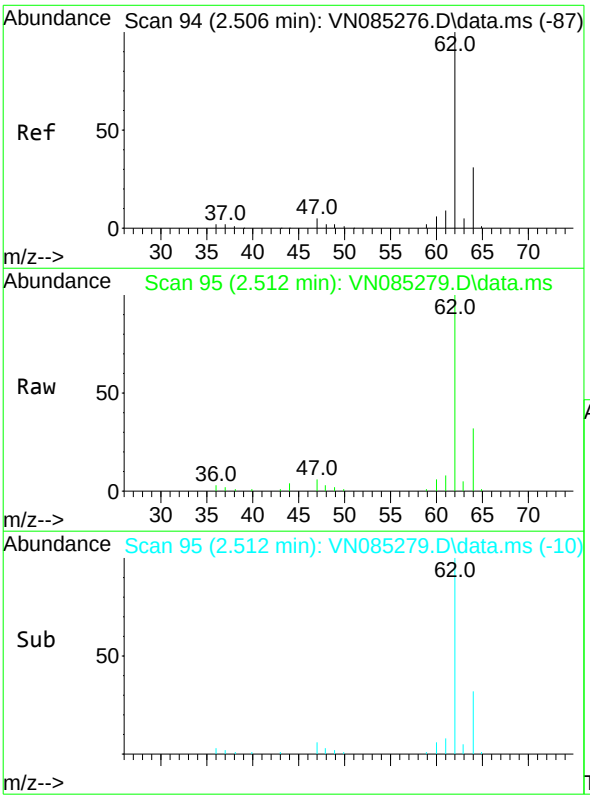
#3
Chloromethane
Concen: 21.525 ug/l
RT: 2.353 min Scan# 68
Delta R.T. -0.006 min
Lab File: VN085279.D
Acq: 20 Dec 2024 13:08

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS01

Tgt Ion: 50 Resp: 57909

Ion	Ratio	Lower	Upper
50	100		
52	32.5	26.5	39.7

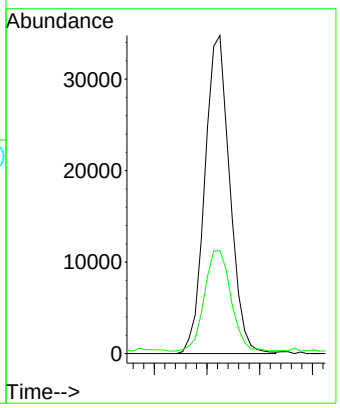


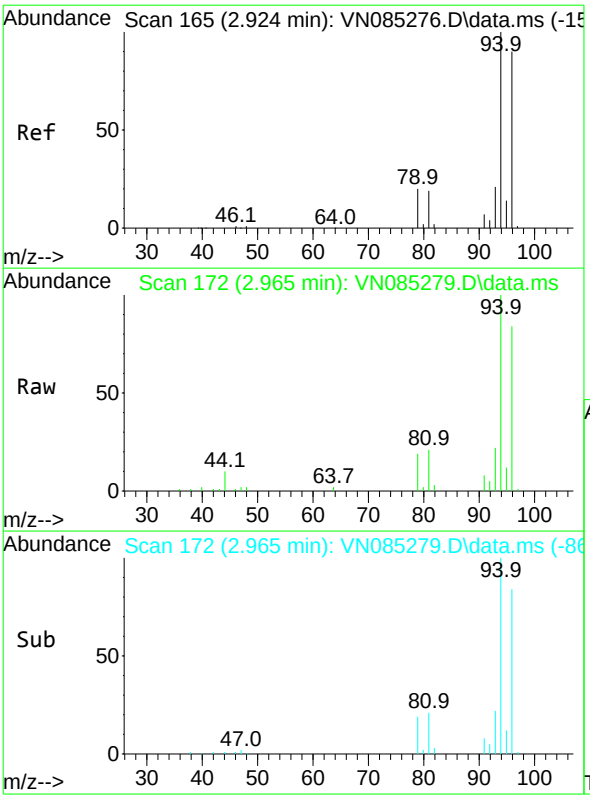


#4
Vinyl Chloride
Concen: 20.933 ug/l
RT: 2.512 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN085279.D
Acq: 20 Dec 2024 13:08

Tgt Ion: 62 Resp: 57182

Ion	Ratio	Lower	Upper
62	100		
64	31.5	25.0	37.4



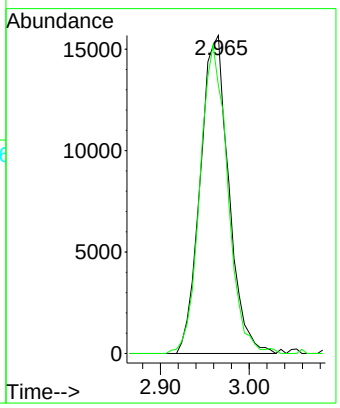


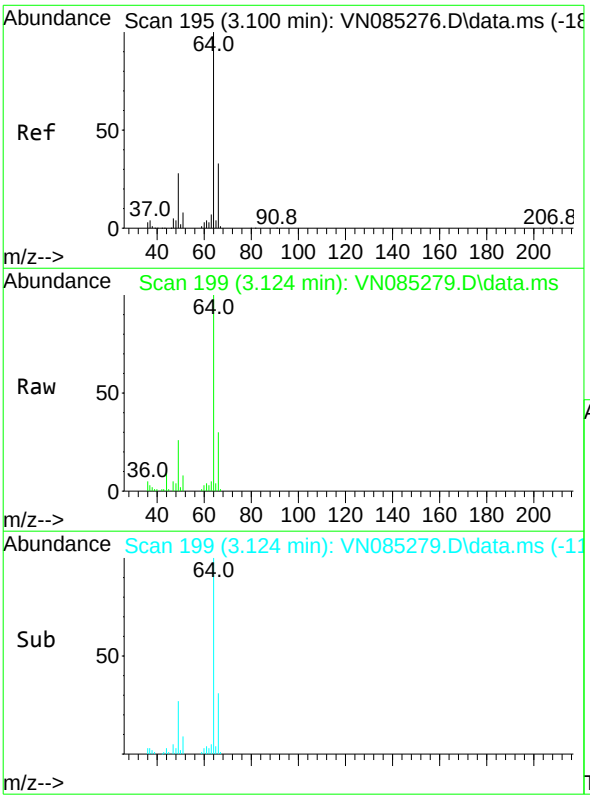
#5
Bromomethane
Concen: 21.901 ug/l
RT: 2.965 min Scan# 17
Delta R.T. 0.006 min
Lab File: VN085279.D
Acq: 20 Dec 2024 13:08

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS01

Tgt Ion: 94 Resp: 34973

Ion	Ratio	Lower	Upper
94	100		
96	83.4	75.6	113.4

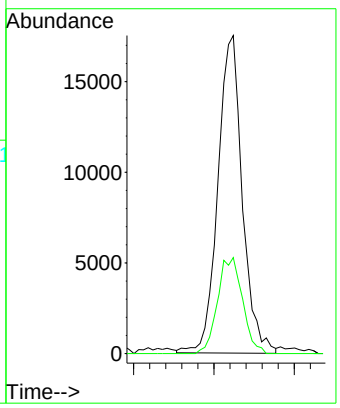


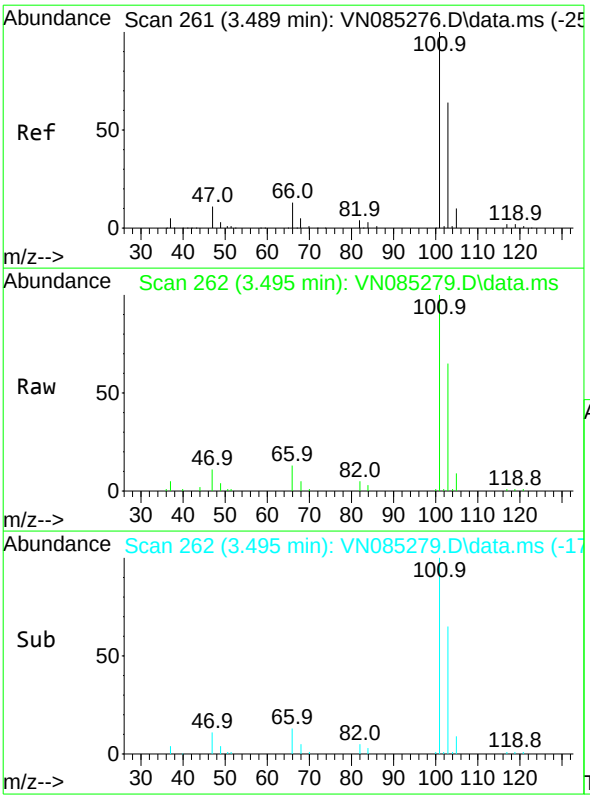


#6
Chloroethane
Concen: 21.452 ug/l
RT: 3.124 min Scan# 199
Delta R.T. 0.006 min
Lab File: VN085279.D
Acq: 20 Dec 2024 13:08

Tgt Ion: 64 Resp: 36991

Ion	Ratio	Lower	Upper
64	100		
66	30.5	22.2	33.4



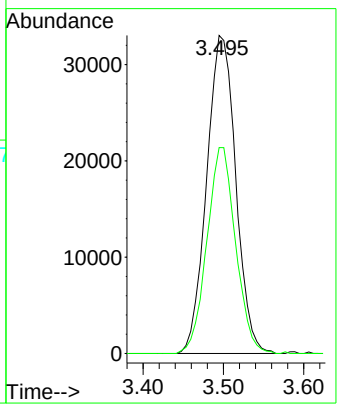


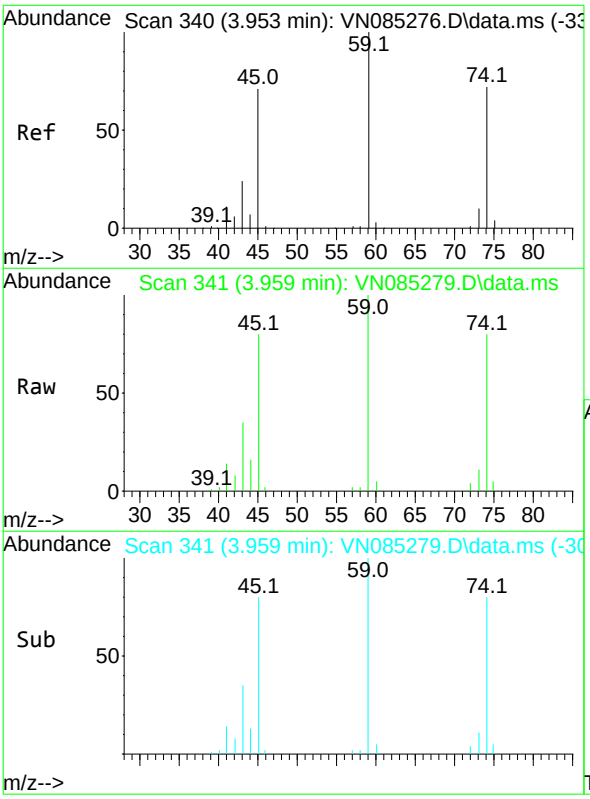
#7
Trichlorofluoromethane
Concen: 22.196 ug/l
RT: 3.495 min Scan# 26
Delta R.T. -0.006 min
Lab File: VN085279.D
Acq: 20 Dec 2024 13:08

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS01

Tgt Ion:101 Resp: 83298

Ion	Ratio	Lower	Upper
101	100		
103	64.7	52.6	78.8

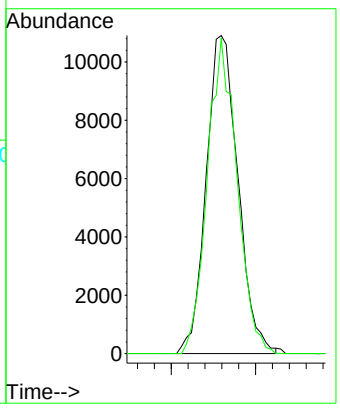


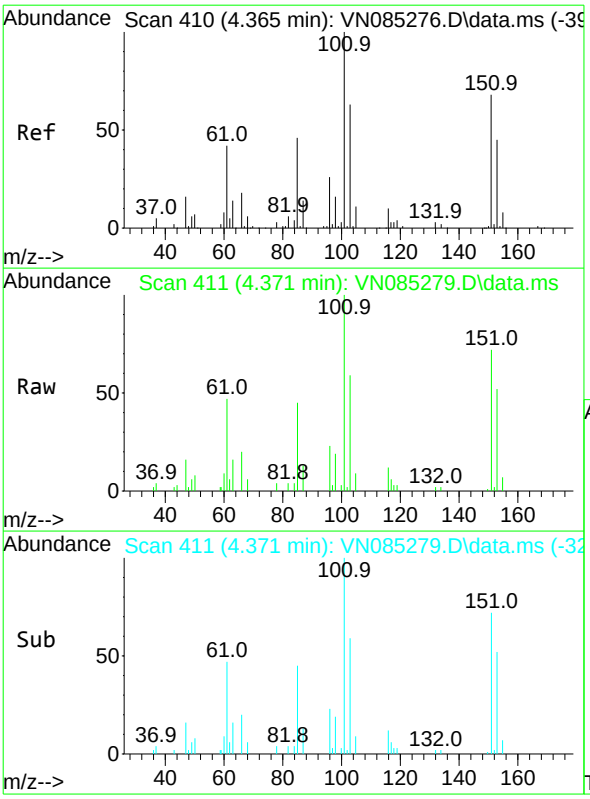


#8
Diethyl Ether
Concen: 22.103 ug/l
RT: 3.959 min Scan# 341
Delta R.T. 0.000 min
Lab File: VN085279.D
Acq: 20 Dec 2024 13:08

Tgt Ion: 74 Resp: 28568

Ion	Ratio	Lower	Upper
74	100		
45	92.6	20.8	187.6



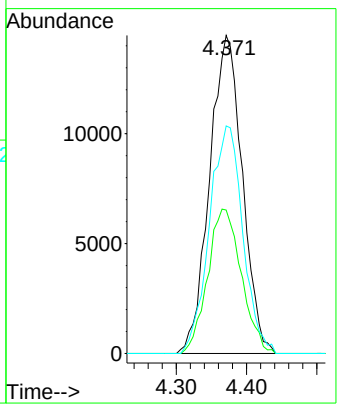


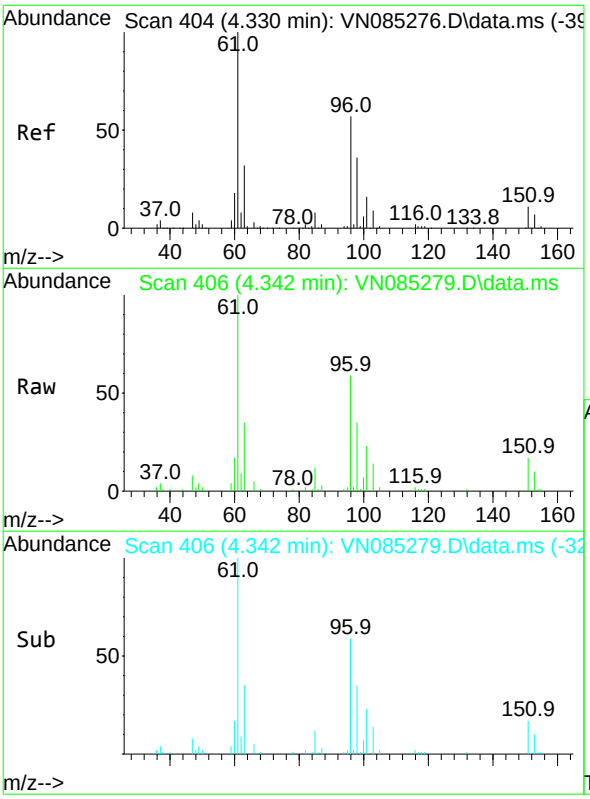
#9
1,1,2-Trichlorotrifluoroethane
Concen: 21.742 ug/l
RT: 4.371 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN085279.D
Acq: 20 Dec 2024 13:08

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS01

Tgt Ion:101 Resp: 46853

Ion	Ratio	Lower	Upper
101	100		
85	46.7	0.0	96.6
151	73.1	0.0	147.4

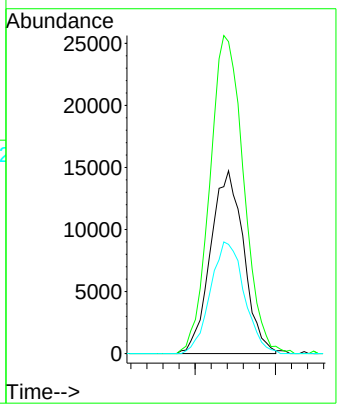


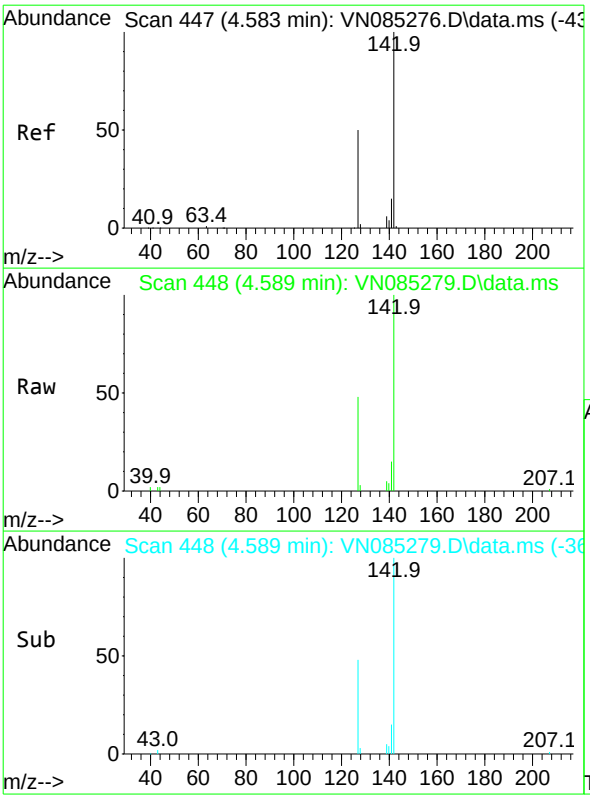


#10
1,1-Dichloroethene
Concen: 21.499 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.000 min
Lab File: VN085279.D
Acq: 20 Dec 2024 13:08

Tgt Ion: 96 Resp: 42324

Ion	Ratio	Lower	Upper
96	100		
61	170.7	145.9	218.9
98	59.8	51.9	77.9



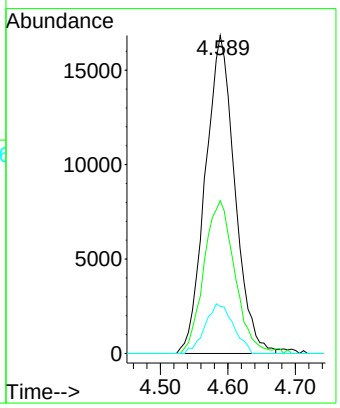


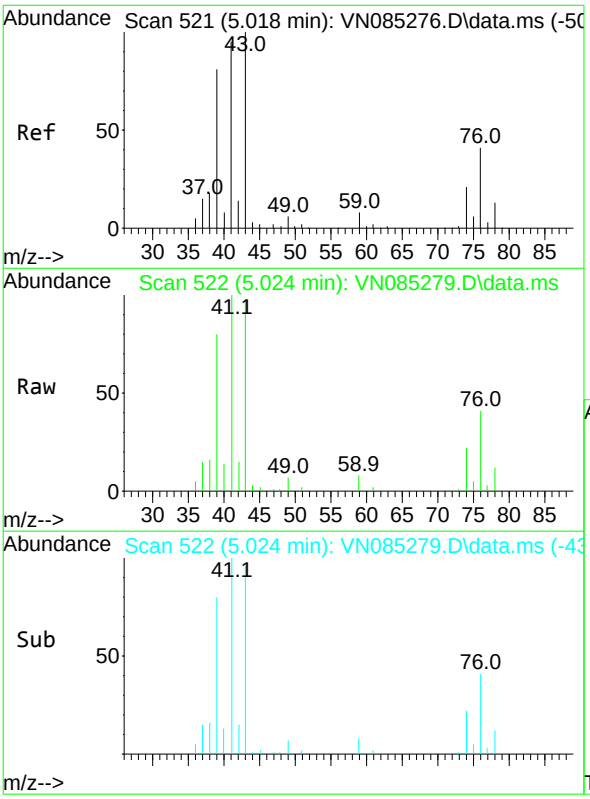
#11
Methyl Iodide
Concen: 21.656 ug/l
RT: 4.589 min Scan# 44
Delta R.T. 0.000 min
Lab File: VN085279.D
Acq: 20 Dec 2024 13:08

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS01

Tgt Ion:142 Resp: 51095

Ion	Ratio	Lower	Upper
142	100		
127	47.6	25.1	75.4
141	14.9	6.9	20.7

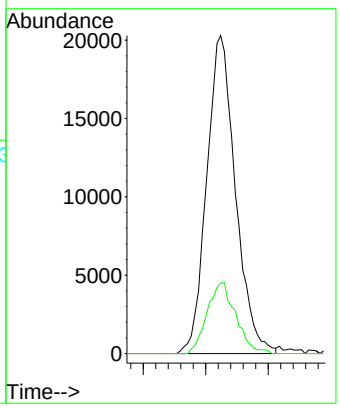


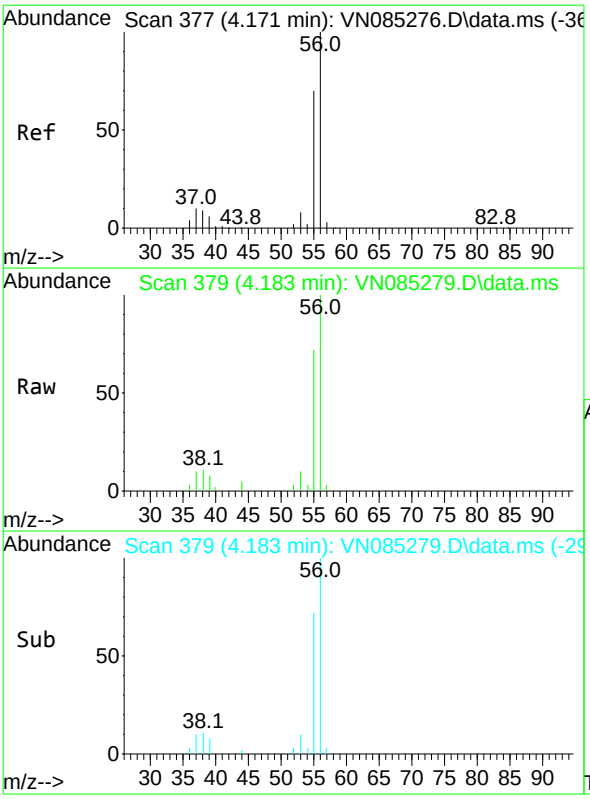


#12
Methyl Acetate
Concen: 22.076 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.000 min
Lab File: VN085279.D
Acq: 20 Dec 2024 13:08

Tgt Ion: 43 Resp: 64902

Ion	Ratio	Lower	Upper
43	100		
74	22.3	20.5	30.7



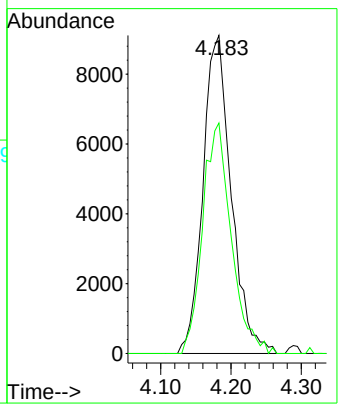


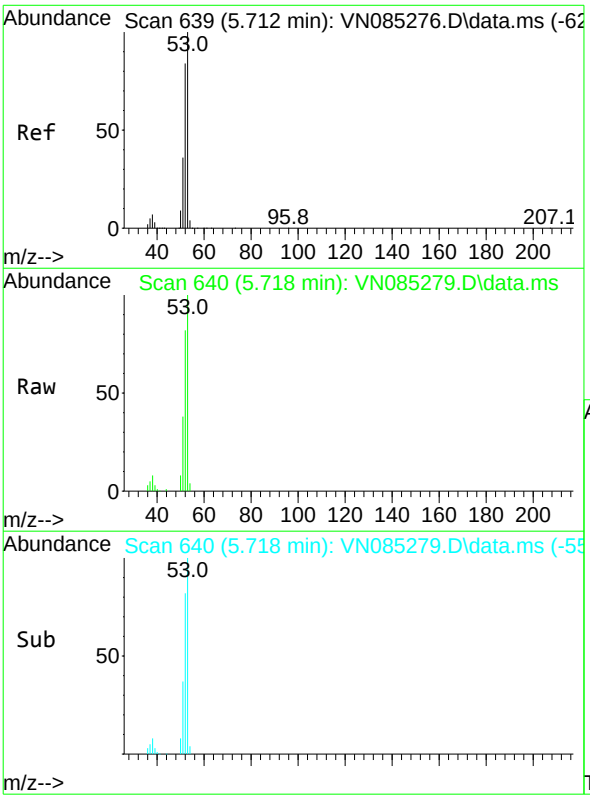
#13
Acrolein
Concen: 96.740 ug/l
RT: 4.183 min Scan# 37
Delta R.T. 0.000 min
Lab File: VN085279.D
Acq: 20 Dec 2024 13:08

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS01

Tgt Ion: 56 Resp: 25390

Ion	Ratio	Lower	Upper
56	100		
55	72.8	56.8	85.2

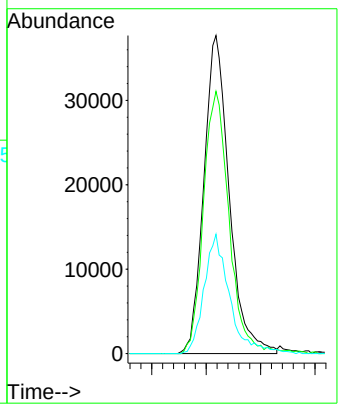


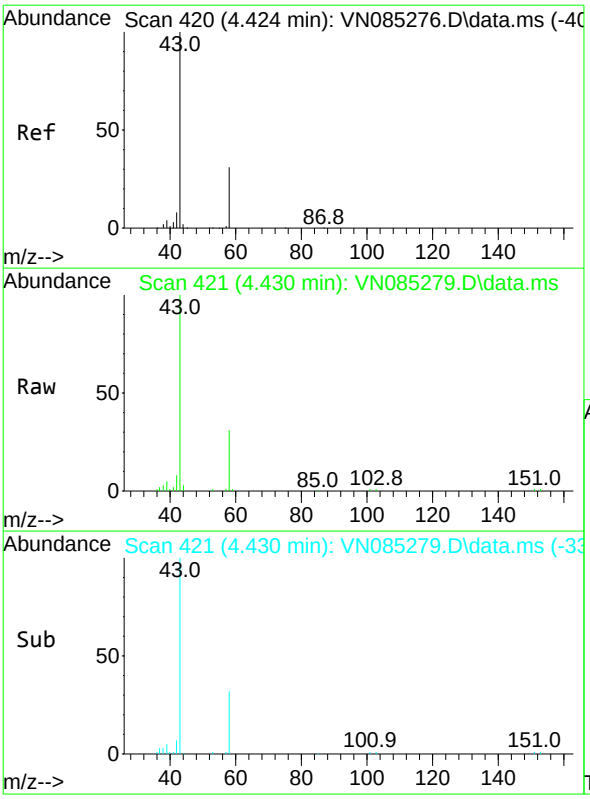


#14
Acrylonitrile
Concen: 107.419 ug/l
RT: 5.718 min Scan# 640
Delta R.T. 0.000 min
Lab File: VN085279.D
Acq: 20 Dec 2024 13:08

Tgt Ion: 53 Resp: 122144

Ion	Ratio	Lower	Upper
53	100		
52	82.3	41.6	124.8
51	35.5	18.1	54.4



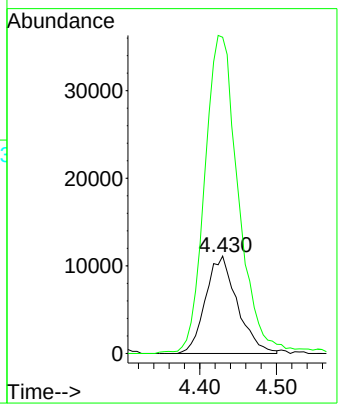


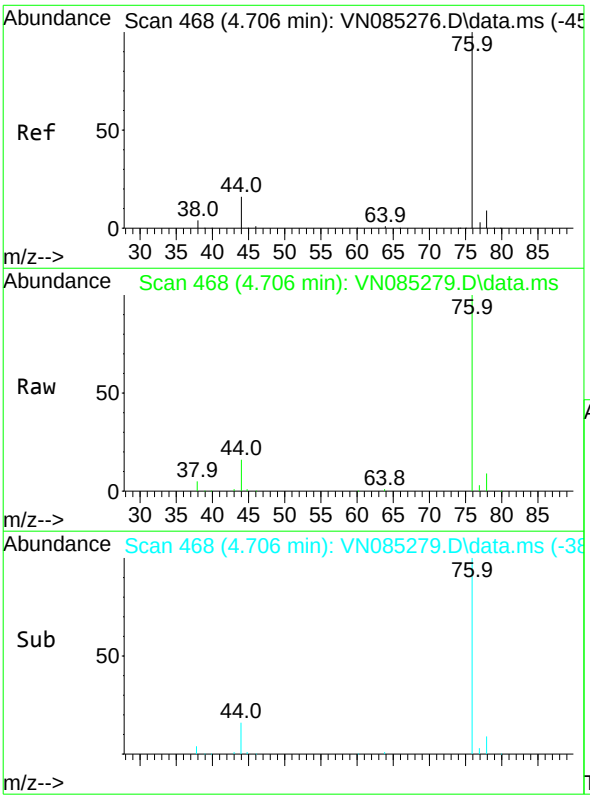
#15
Acetone
Concen: 111.512 ug/l
RT: 4.430 min Scan# 42
Delta R.T. 0.000 min
Lab File: VN085279.D
Acq: 20 Dec 2024 13:08

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS01

Tgt Ion: 58 Resp: 31986

Ion	Ratio	Lower	Upper
58	100		
43	329.3	258.8	388.2

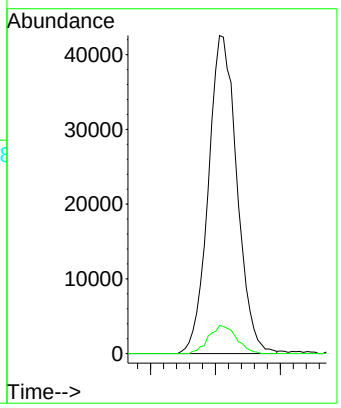


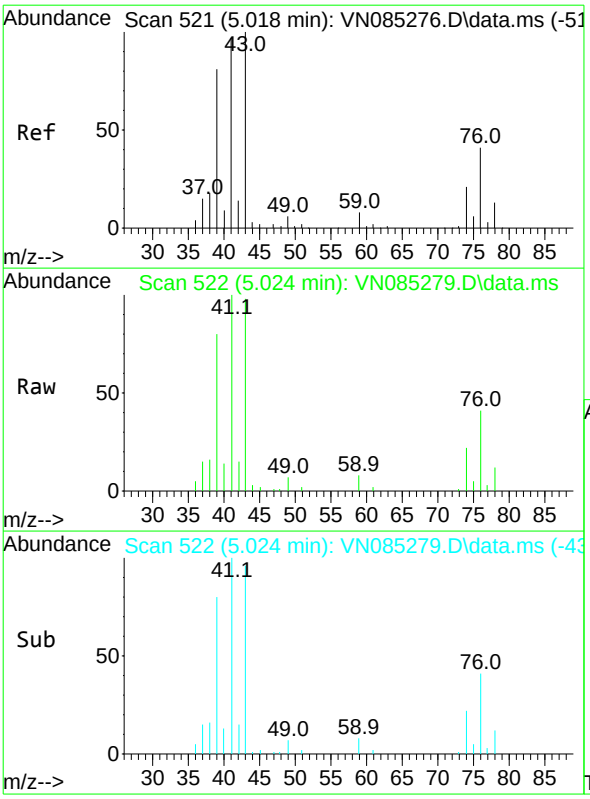


#16
Carbon Disulfide
Concen: 21.766 ug/l
RT: 4.706 min Scan# 468
Delta R.T. -0.006 min
Lab File: VN085279.D
Acq: 20 Dec 2024 13:08

Tgt Ion: 76 Resp: 130253

Ion	Ratio	Lower	Upper
76	100		
78	8.8	6.6	9.8



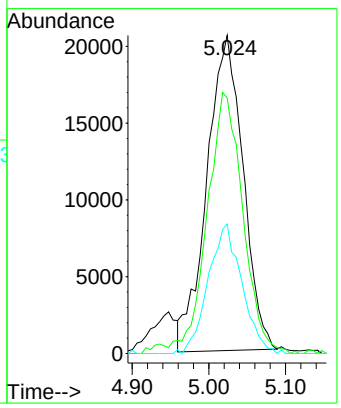


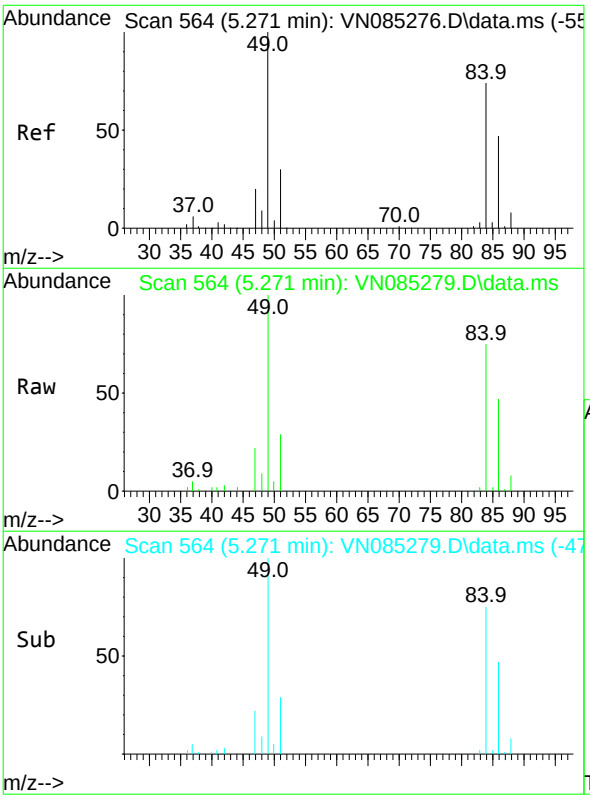
#17
Allyl chloride
Concen: 21.119 ug/l
RT: 5.024 min Scan# 52
Delta R.T. 0.000 min
Lab File: VN085279.D
Acq: 20 Dec 2024 13:08

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS01

Tgt Ion: 41 Resp: 67255

Ion	Ratio	Lower	Upper
41	100		
39	79.5	41.3	124.1
76	41.3	19.5	58.5

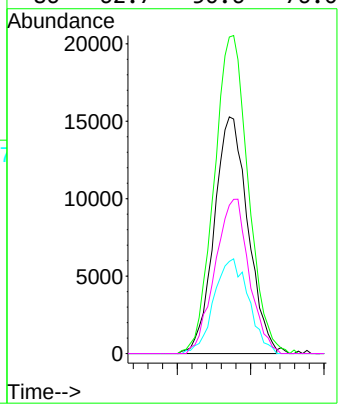


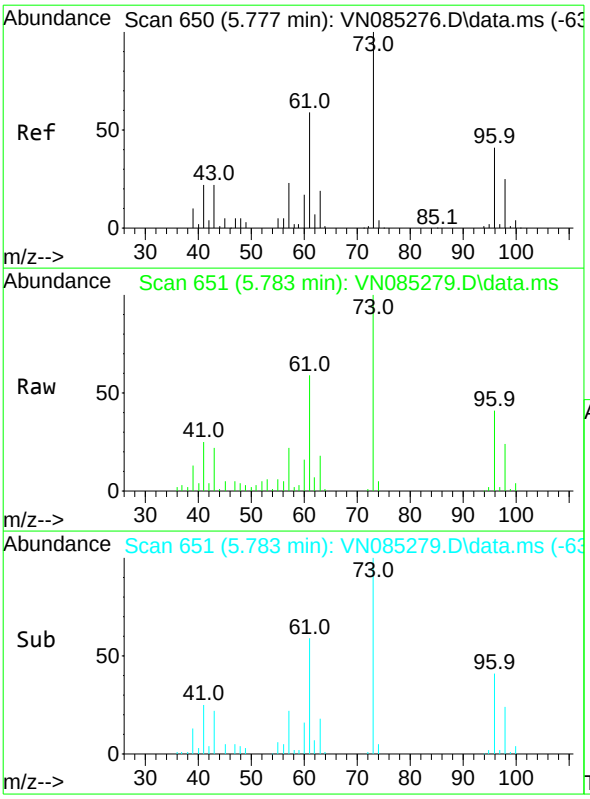


#18
Methylene Chloride
Concen: 20.772 ug/l
RT: 5.271 min Scan# 564
Delta R.T. 0.000 min
Lab File: VN085279.D
Acq: 20 Dec 2024 13:08

Tgt Ion: 84 Resp: 48729

Ion	Ratio	Lower	Upper
84	100		
49	133.7	104.9	157.3
51	38.9	30.2	45.4
86	62.7	50.6	76.0



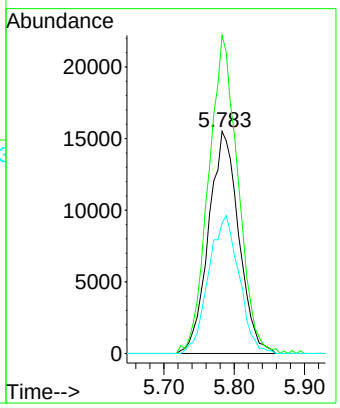


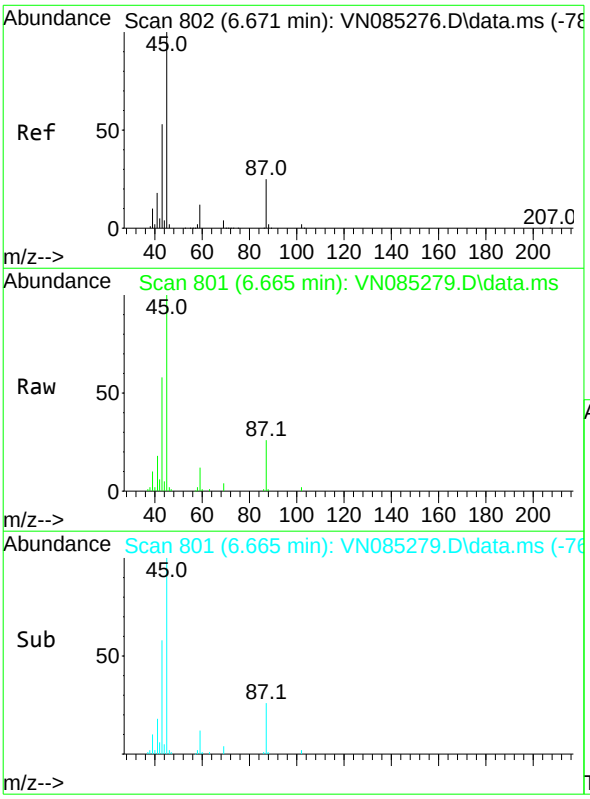
#19
trans-1,2-Dichloroethene
Concen: 22.512 ug/l
RT: 5.783 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN085279.D
Acq: 20 Dec 2024 13:08

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS01

Tgt Ion: 96 Resp: 46096

Ion	Ratio	Lower	Upper
96	100		
61	143.2	124.2	186.4
98	58.7	51.0	76.4

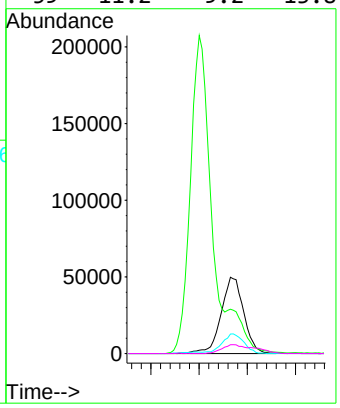


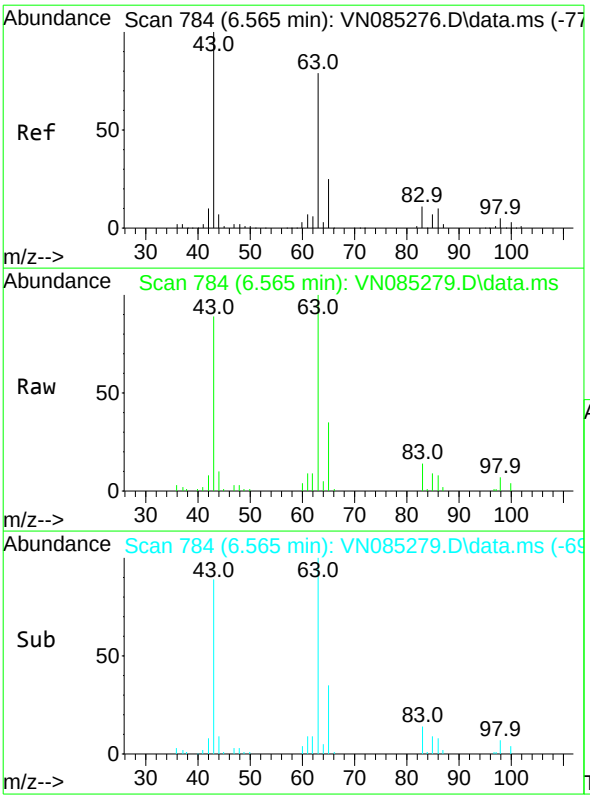


#20
Diisopropyl ether
Concen: 22.236 ug/l
RT: 6.665 min Scan# 801
Delta R.T. -0.006 min
Lab File: VN085279.D
Acq: 20 Dec 2024 13:08

Tgt Ion: 45 Resp: 162292

Ion	Ratio	Lower	Upper
45	100		
43	56.2	46.6	69.8
87	25.6	22.3	33.5
59	11.2	9.2	13.8



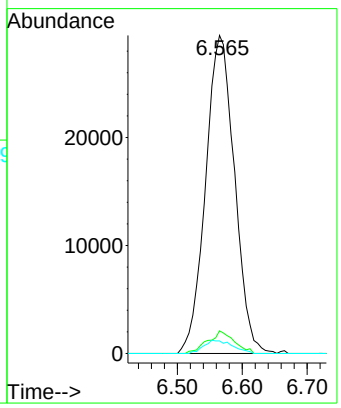


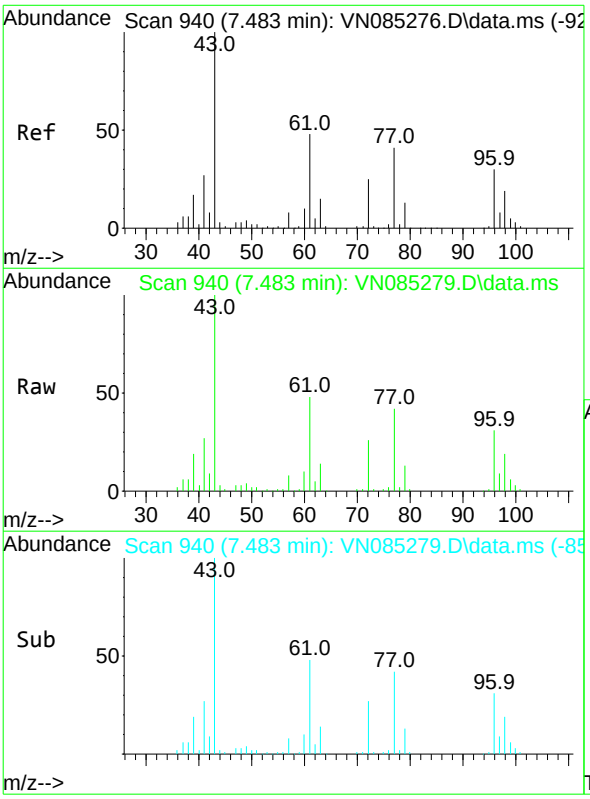
#21
1,1-Dichloroethane
Concen: 21.356 ug/l
RT: 6.565 min Scan# 78
Delta R.T. 0.000 min
Lab File: VN085279.D
Acq: 20 Dec 2024 13:08

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS01

Tgt Ion: 63 Resp: 91122

Ion	Ratio	Lower	Upper
63	100		
98	7.1	2.4	7.1#
100	4.0	2.1	6.3

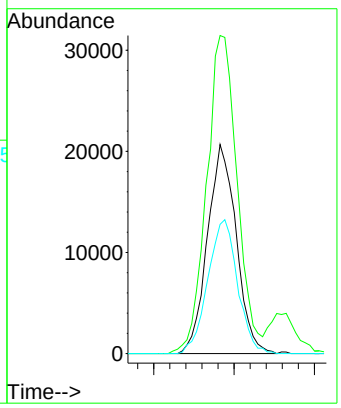


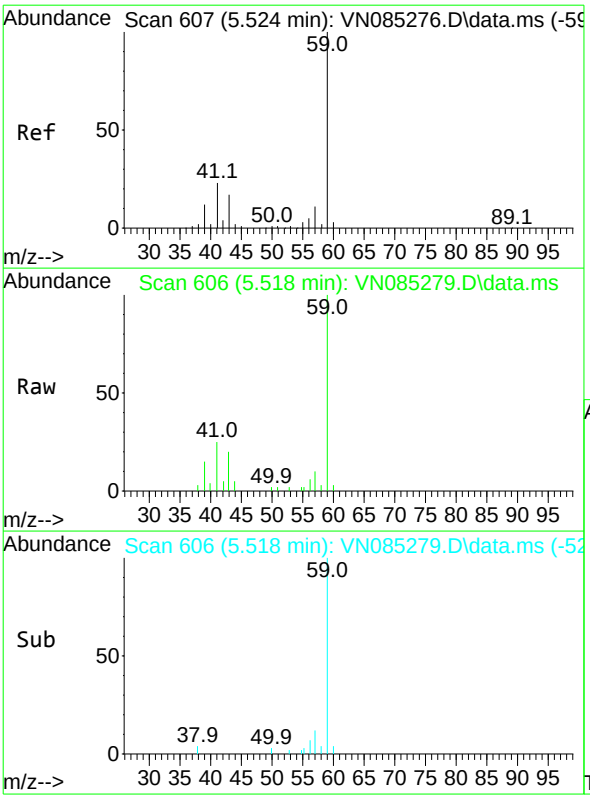


#22
cis-1,2-Dichloroethene
Concen: 21.134 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN085279.D
Acq: 20 Dec 2024 13:08

Tgt Ion: 96 Resp: 51530

Ion	Ratio	Lower	Upper
96	100		
61	161.3	128.1	192.1
98	66.1	52.7	79.1



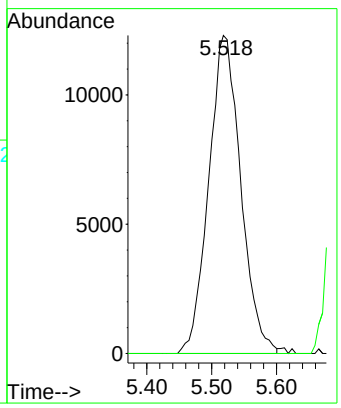


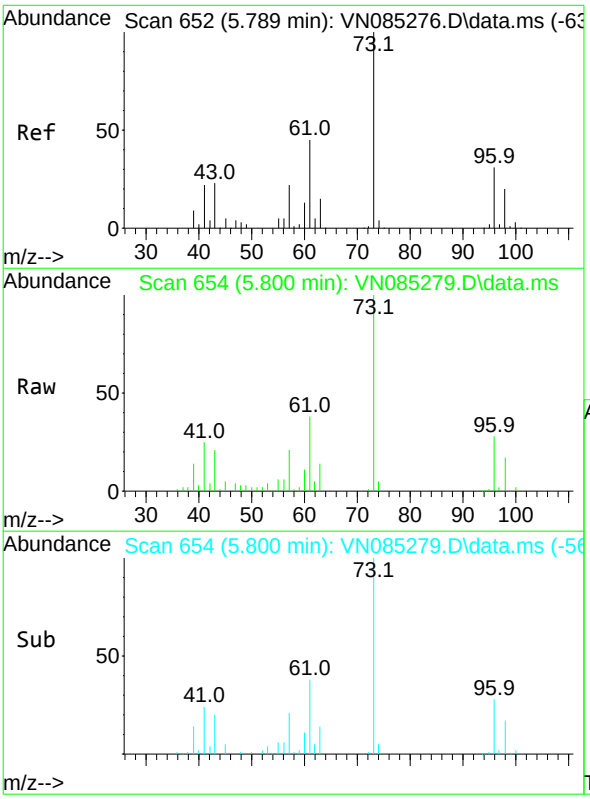
#23
tert-Butyl Alcohol
Concen: 112.602 ug/l
RT: 5.518 min Scan# 60
Delta R.T. 0.000 min
Lab File: VN085279.D
Acq: 20 Dec 2024 13:08

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS01

Tgt Ion: 59 Resp: 42197

Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

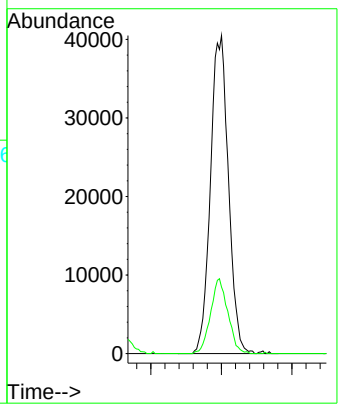


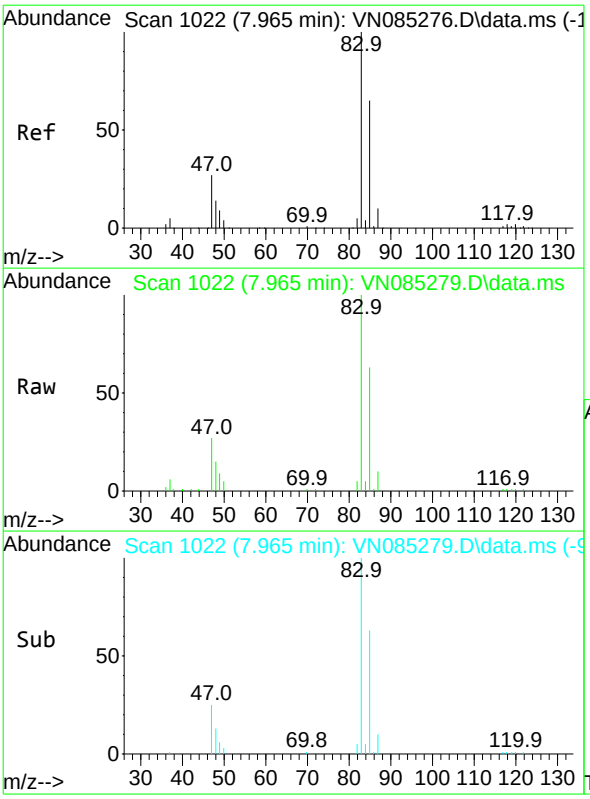


#24
Methyl tert-Butyl Ether
Concen: 22.168 ug/l m
RT: 5.800 min Scan# 654
Delta R.T. 0.000 min
Lab File: VN085279.D
Acq: 20 Dec 2024 13:08

Tgt Ion: 73 Resp: 143241

Ion	Ratio	Lower	Upper
73	100		
43	22.6	18.6	27.8



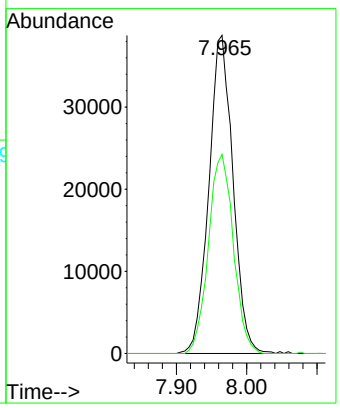


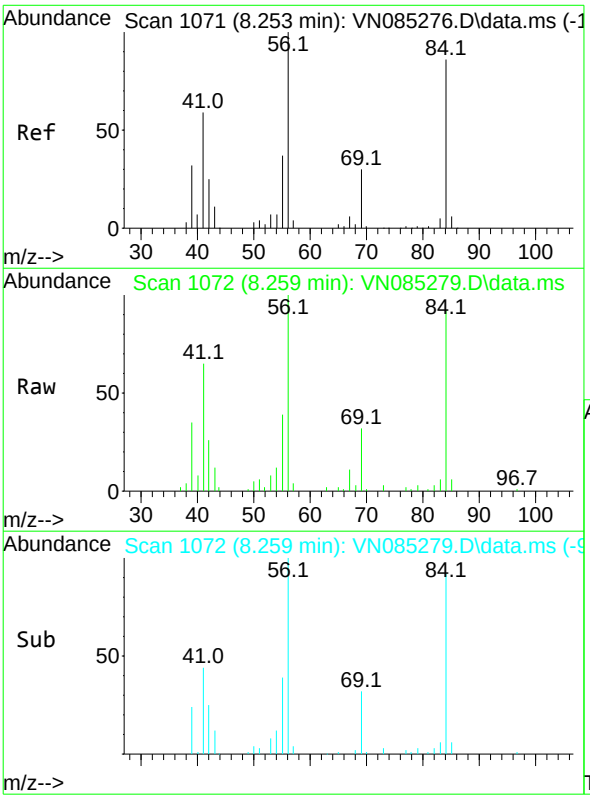
#25
Chloroform
Concen: 21.342 ug/l
RT: 7.965 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN085279.D
Acq: 20 Dec 2024 13:08

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS01

Tgt Ion: 83 Resp: 92306

Ion	Ratio	Lower	Upper
83	100		
85	62.6	52.0	78.0

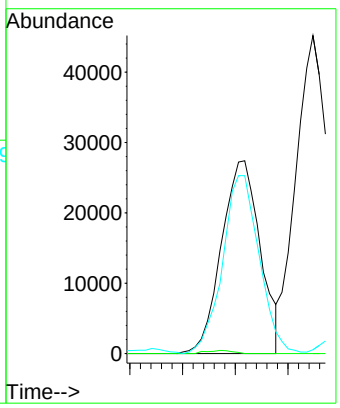


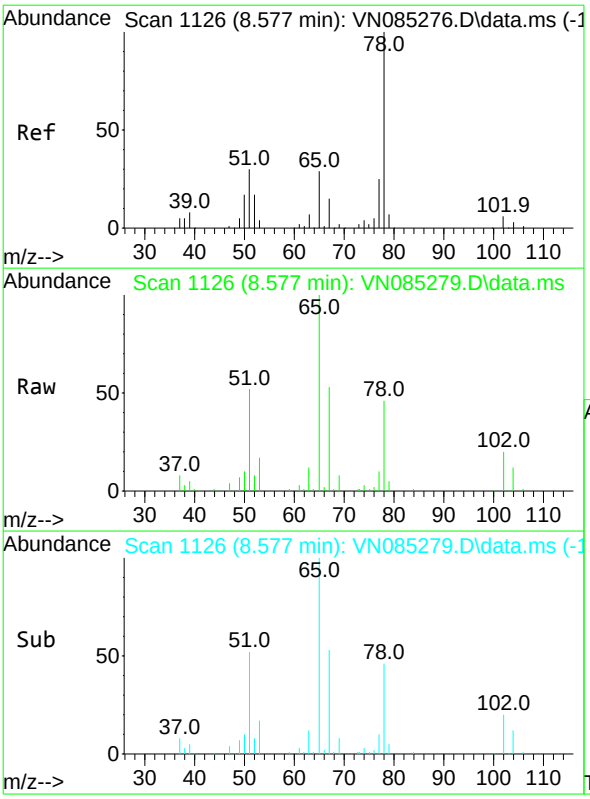


#26
Cyclohexane
Concen: 21.511 ug/l
RT: 8.259 min Scan# 1072
Delta R.T. 0.006 min
Lab File: VN085279.D
Acq: 20 Dec 2024 13:08

Tgt Ion: 56 Resp: 69979

Ion	Ratio	Lower	Upper
56	100		
89	0.8	0.0	0.0#
84	87.5	67.6	101.4



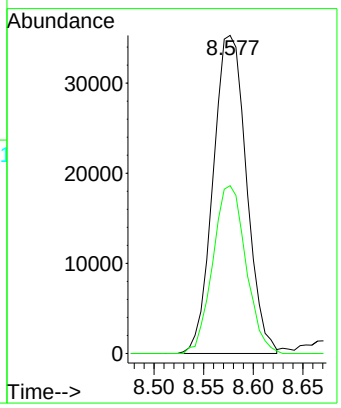


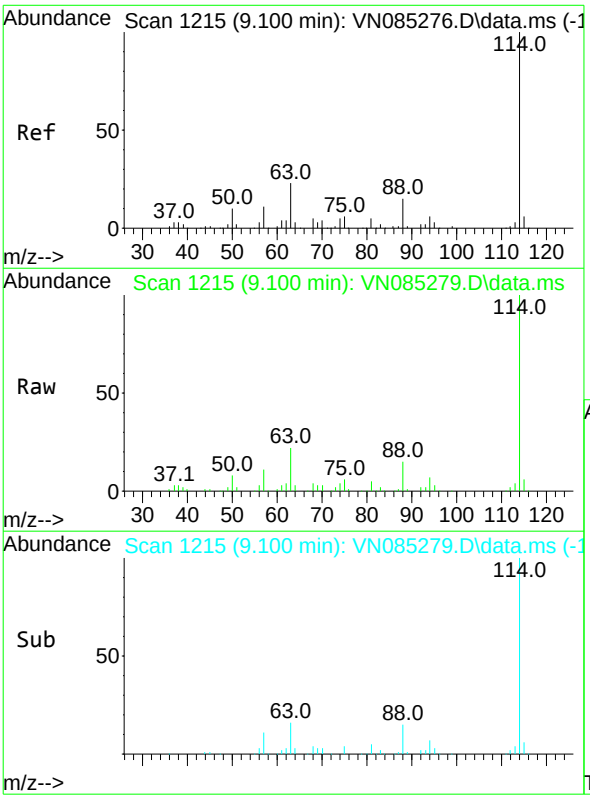
#27
1,2-Dichloroethane-d4
Concen: 29.383 ug/l
RT: 8.577 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN085279.D
Acq: 20 Dec 2024 13:08

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS01

Tgt Ion: 65 Resp: 82369

Ion	Ratio	Lower	Upper
65	100		
67	52.4	42.0	63.0

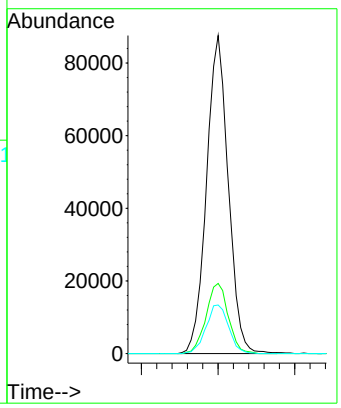


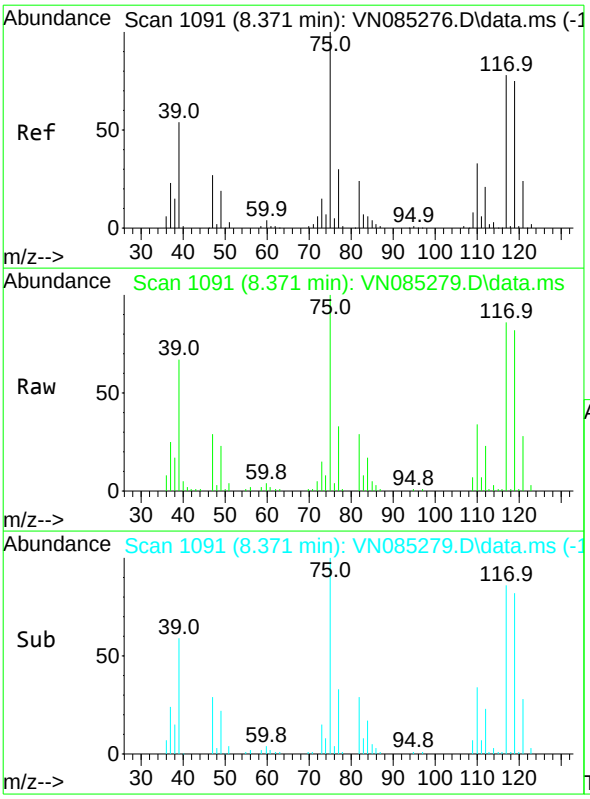


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN085279.D
Acq: 20 Dec 2024 13:08

Tgt Ion:114 Resp: 172468

Ion	Ratio	Lower	Upper
114	100		
63	22.5	18.0	27.0
88	15.9	12.9	19.3



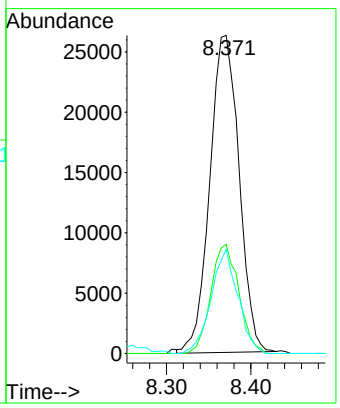


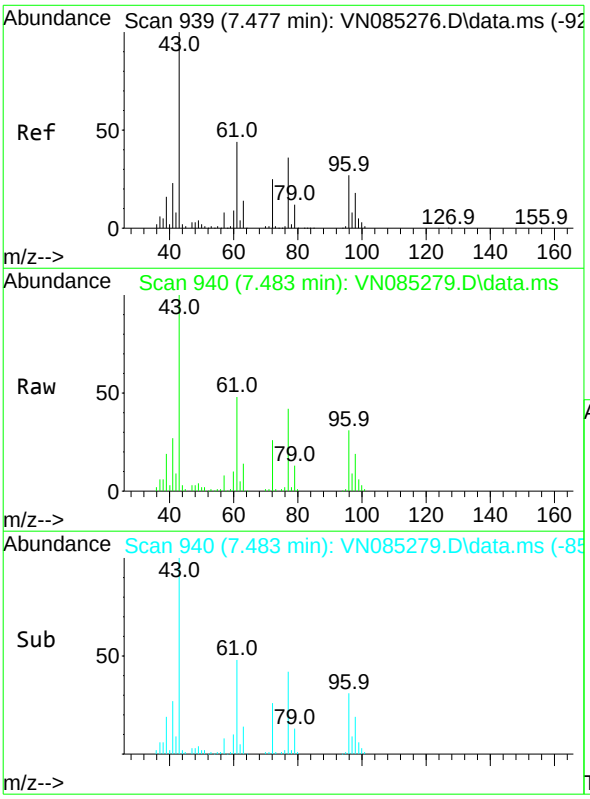
#29
1,1-Dichloropropene
Concen: 21.166 ug/l
RT: 8.371 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN085279.D
Acq: 20 Dec 2024 13:08

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS01

Tgt Ion: 75 Resp: 63380

Ion	Ratio	Lower	Upper
75	100		
110	32.8	0.0	64.8
77	30.2	0.0	60.8

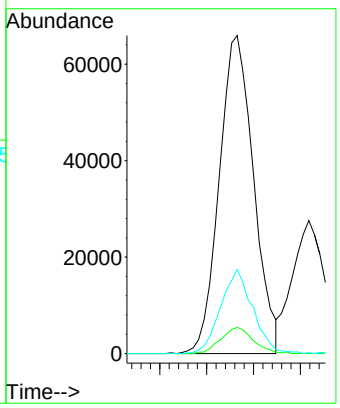


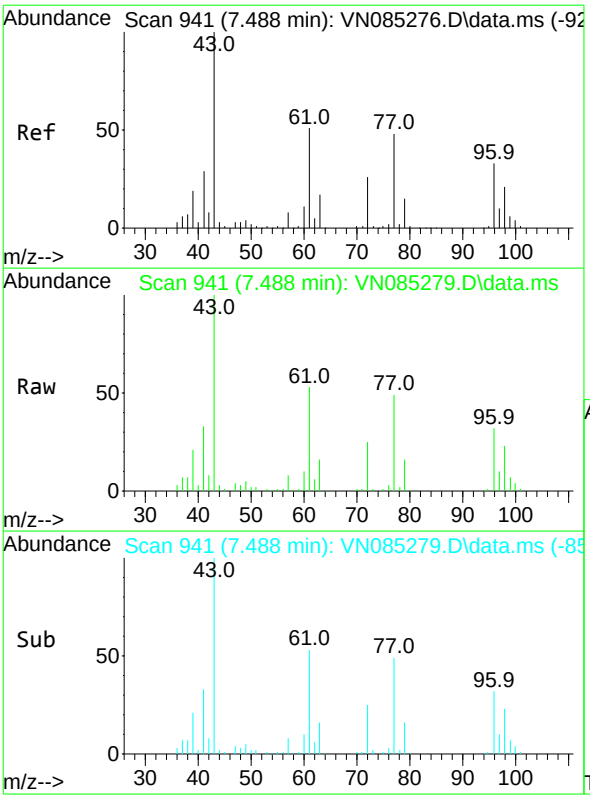


#30
2-Butanone
Concen: 106.358 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.006 min
Lab File: VN085279.D
Acq: 20 Dec 2024 13:08

Tgt Ion: 43 Resp: 168111

Ion	Ratio	Lower	Upper
43	100		
57	7.7	6.2	9.2
72	24.7	19.9	29.9



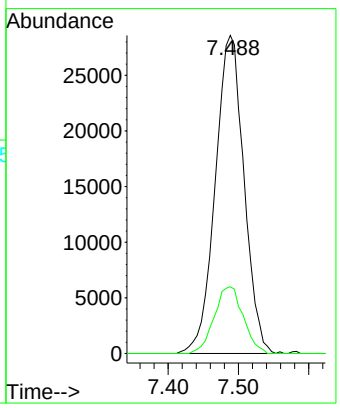


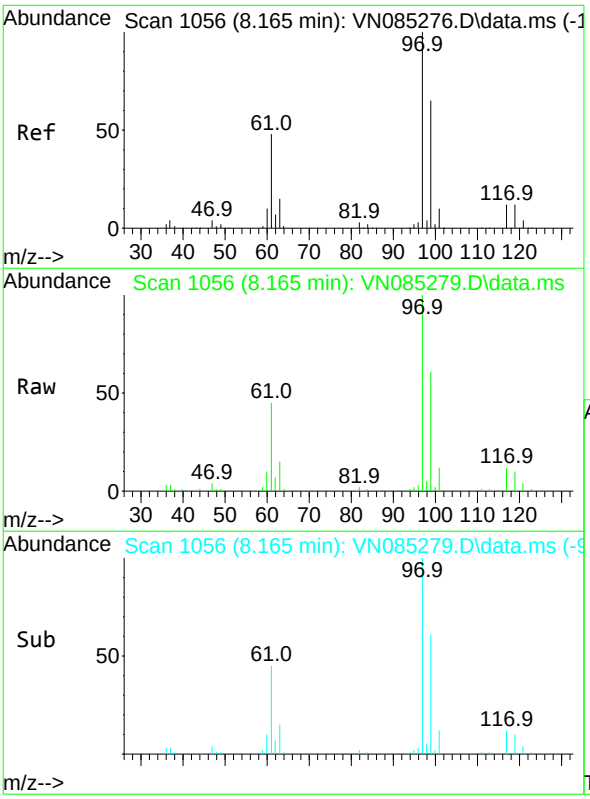
#31
2,2-Dichloropropane
Concen: 21.365 ug/l
RT: 7.488 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN085279.D
Acq: 20 Dec 2024 13:08

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS01

Tgt Ion: 77 Resp: 81068

Ion	Ratio	Lower	Upper
77	100		
97	21.2	16.9	25.3

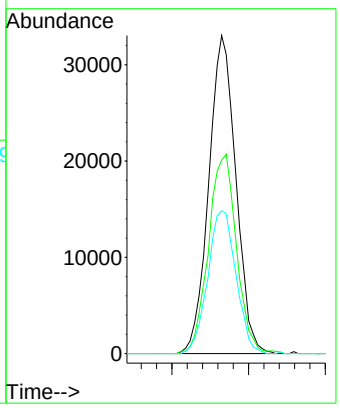


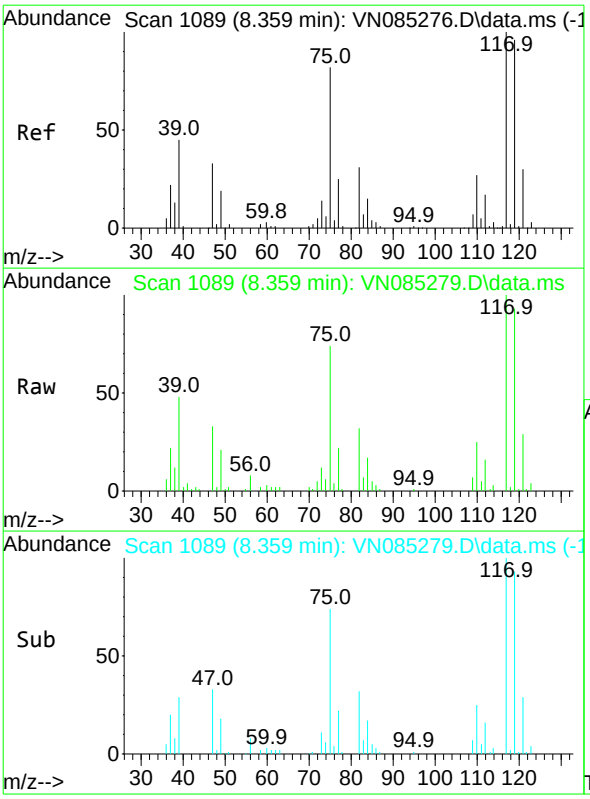


#32
1,1,1-Trichloroethane
Concen: 20.855 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN085279.D
Acq: 20 Dec 2024 13:08

Tgt Ion: 97 Resp: 81181

Ion	Ratio	Lower	Upper
97	100		
99	64.4	52.2	78.2
61	46.8	39.8	59.8



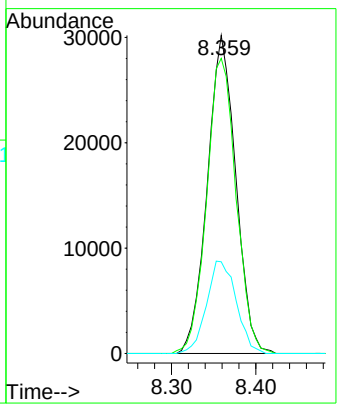


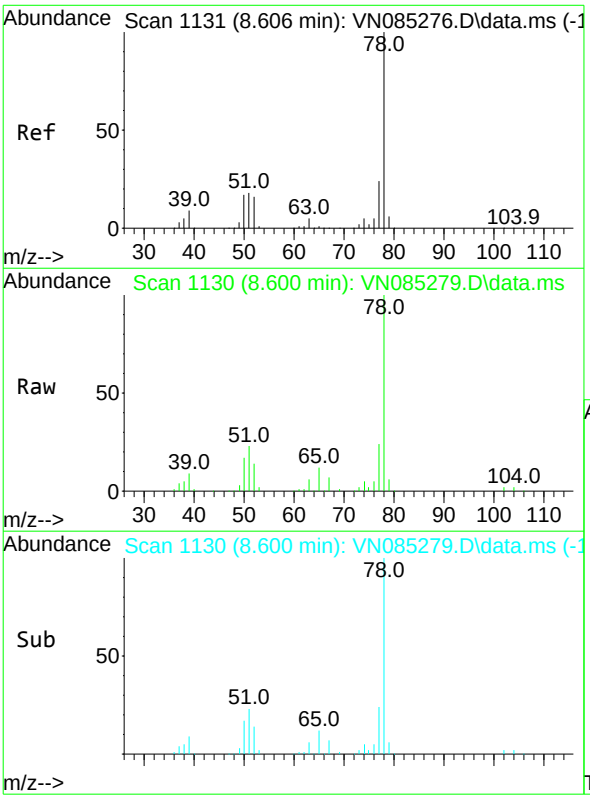
#33
Carbon Tetrachloride
Concen: 20.742 ug/l
RT: 8.359 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN085279.D
Acq: 20 Dec 2024 13:08

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS01

Tgt Ion:117 Resp: 70681

Ion	Ratio	Lower	Upper
117	100		
119	92.8	71.6	107.4
121	28.8	23.5	35.3

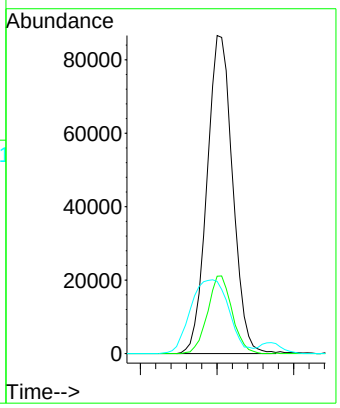


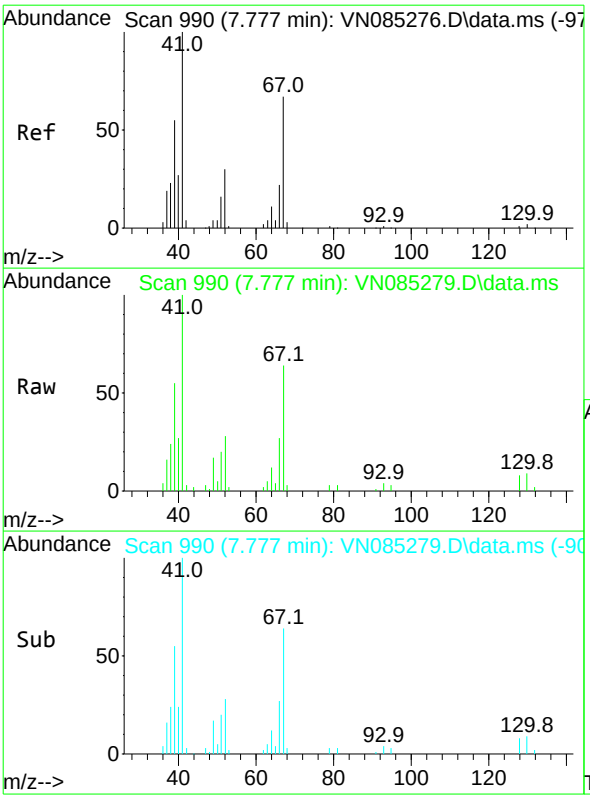


#34
Benzene
Concen: 21.239 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VN085279.D
Acq: 20 Dec 2024 13:08

Tgt Ion: 78 Resp: 201036

Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.3	28.9
51	20.5	14.6	21.8



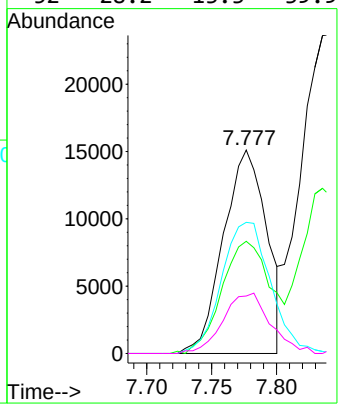


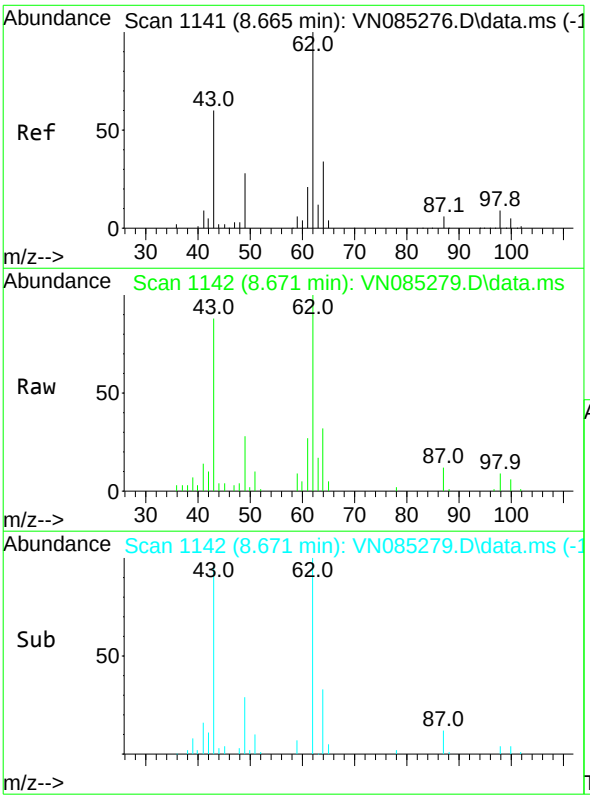
#35
Methacrylonitrile
Concen: 20.043 ug/l
RT: 7.777 min Scan# 99
Delta R.T. 0.006 min
Lab File: VN085279.D
Acq: 20 Dec 2024 13:08

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS01

Tgt Ion: 41 Resp: 35070

Ion	Ratio	Lower	Upper
41	100		
39	54.0	26.7	80.0
67	64.5	32.5	97.5
52	28.2	13.3	39.9

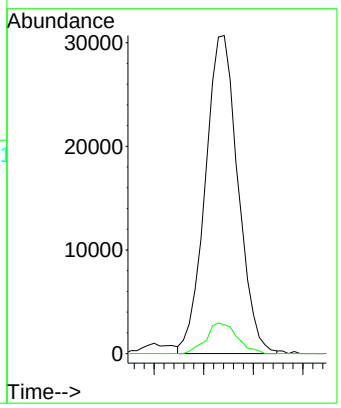


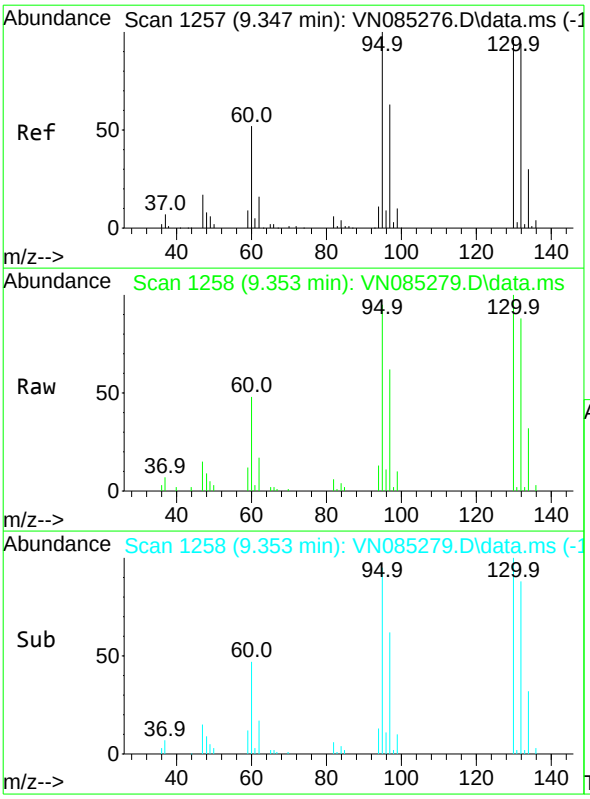


#36
1,2-Dichloroethane
Concen: 20.533 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.006 min
Lab File: VN085279.D
Acq: 20 Dec 2024 13:08

Tgt Ion: 62 Resp: 70279

Ion	Ratio	Lower	Upper
62	100		
98	9.1	6.6	10.0



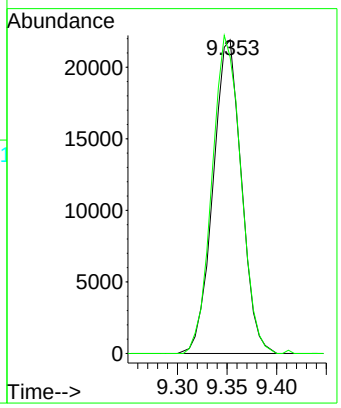


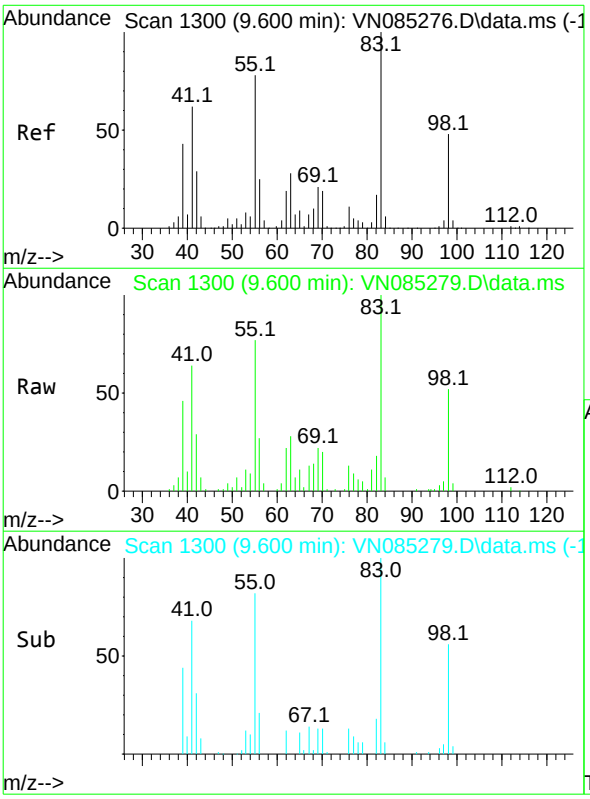
#37
Trichloroethene
Concen: 20.951 ug/l
RT: 9.353 min Scan# 12
Delta R.T. 0.006 min
Lab File: VN085279.D
Acq: 20 Dec 2024 13:08

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS01

Tgt Ion:130 Resp: 43632

Ion	Ratio	Lower	Upper
130	100		
95	94.6	80.0	120.0

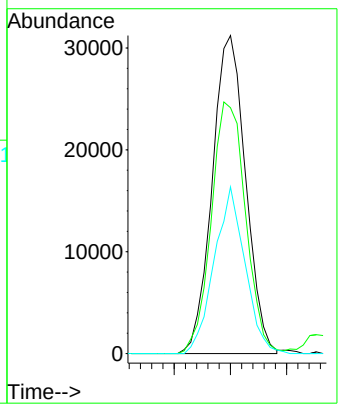


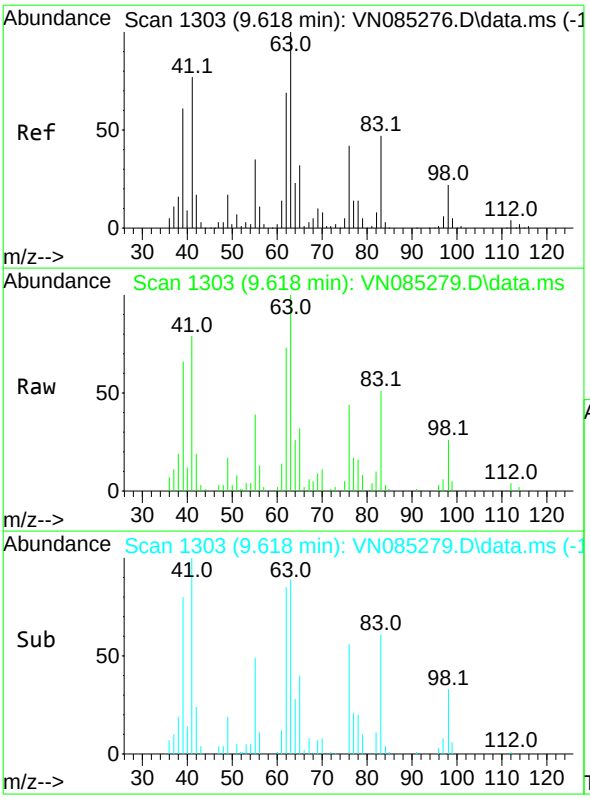


#38
Methylcyclohexane
Concen: 20.785 ug/l
RT: 9.600 min Scan# 1300
Delta R.T. 0.000 min
Lab File: VN085279.D
Acq: 20 Dec 2024 13:08

Tgt Ion: 83 Resp: 64407

Ion	Ratio	Lower	Upper
83	100		
55	81.3	43.6	130.8
98	48.3	24.2	72.6



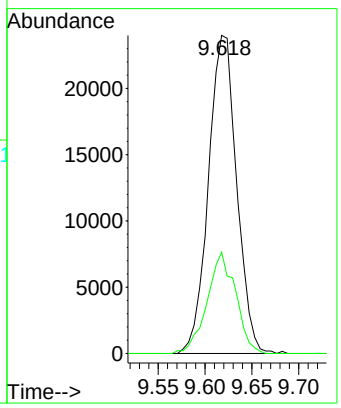


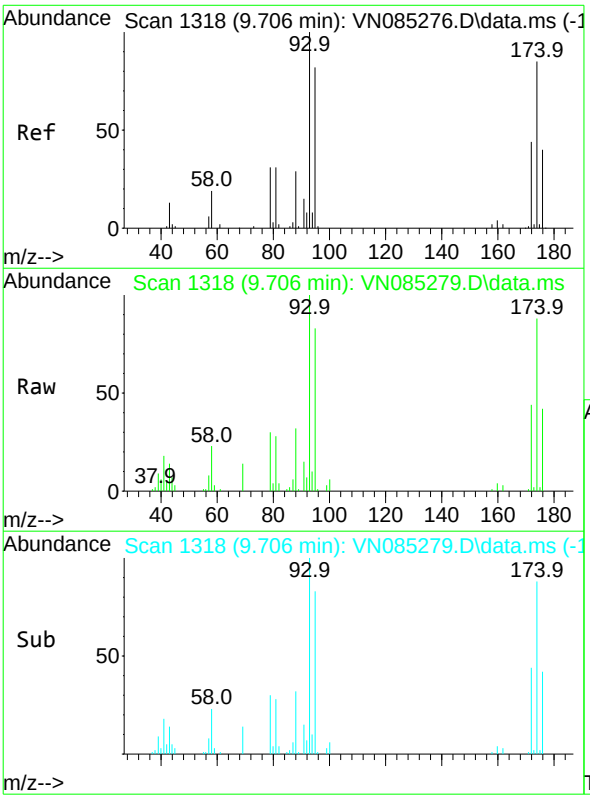
#39
1,2-Dichloropropane
Concen: 20.886 ug/l
RT: 9.618 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN085279.D
Acq: 20 Dec 2024 13:08

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS01

Tgt Ion: 63 Resp: 50298

Ion	Ratio	Lower	Upper
63	100		
65	31.8	26.1	39.1

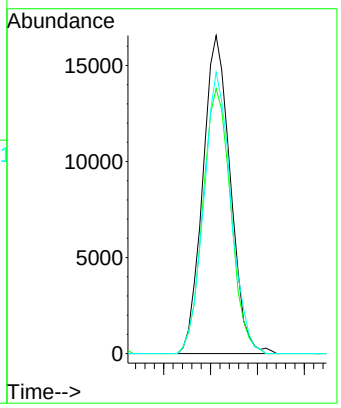


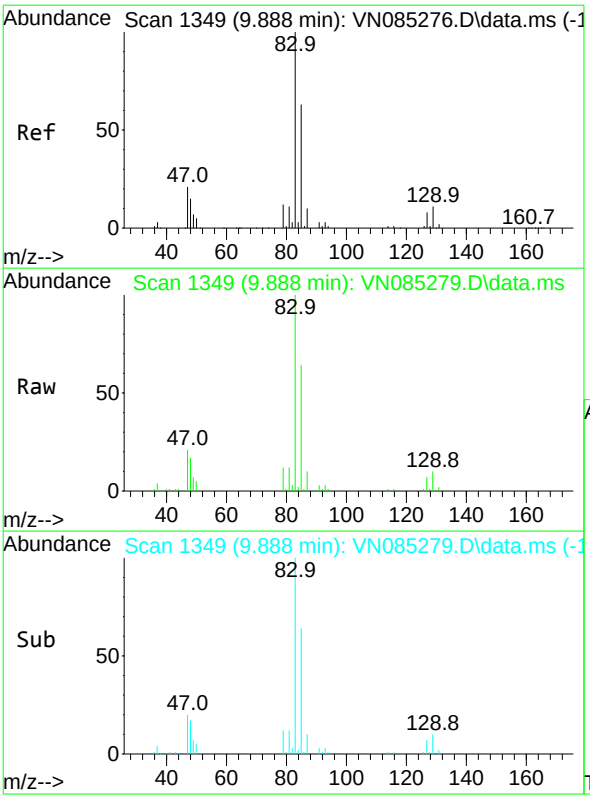


#40
Dibromomethane
Concen: 20.136 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN085279.D
Acq: 20 Dec 2024 13:08

Tgt Ion: 93 Resp: 33809

Ion	Ratio	Lower	Upper
93	100		
95	84.3	0.0	167.6
174	87.5	0.0	171.0



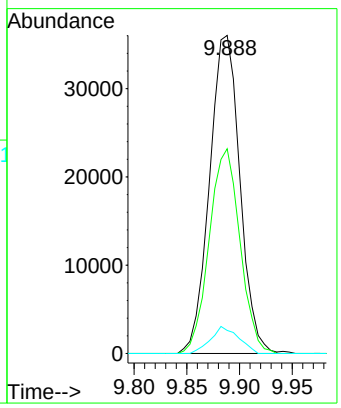


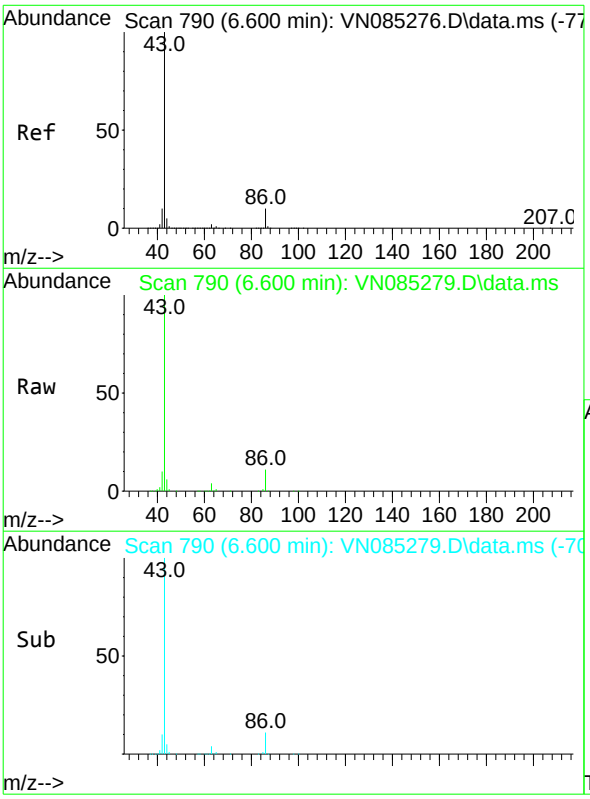
#41
Bromodichloromethane
Concen: 20.576 ug/l
RT: 9.888 min Scan# 13
Delta R.T. 0.006 min
Lab File: VN085279.D
Acq: 20 Dec 2024 13:08

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS01

Tgt Ion: 83 Resp: 72199

Ion	Ratio	Lower	Upper
83	100		
85	64.4	50.1	75.1
127	7.2	5.8	8.6

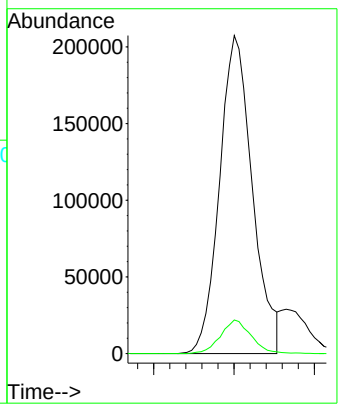


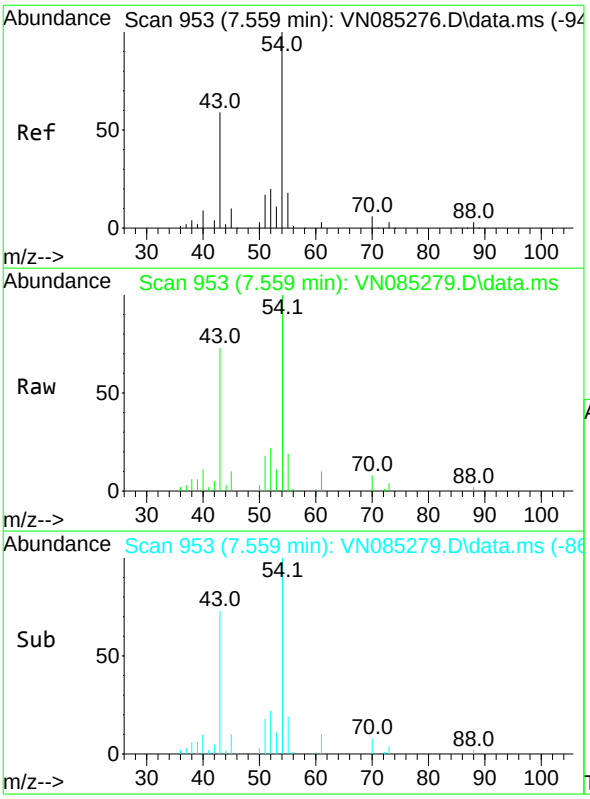


#42
Vinyl Acetate
Concen: 105.634 ug/l
RT: 6.600 min Scan# 790
Delta R.T. 0.000 min
Lab File: VN085279.D
Acq: 20 Dec 2024 13:08

Tgt Ion: 43 Resp: 589376

Ion	Ratio	Lower	Upper
43	100		
86	9.8	7.9	11.9



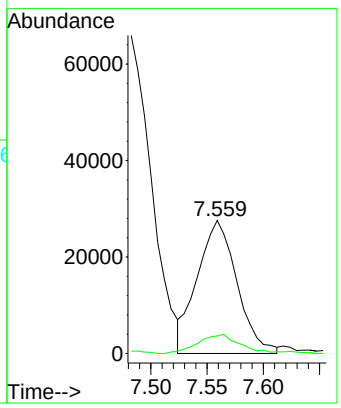


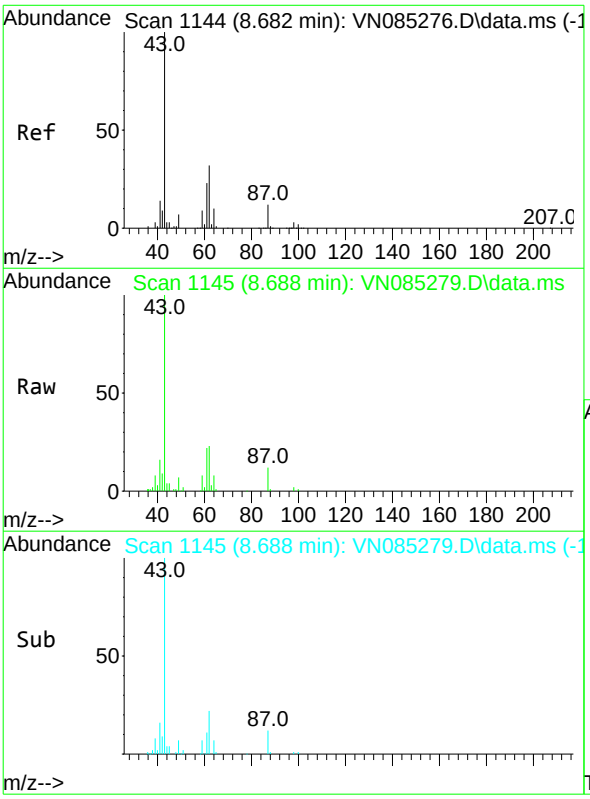
#43
Ethyl Acetate
Concen: 20.710 ug/l
RT: 7.559 min Scan# 95
Delta R.T. 0.006 min
Lab File: VN085279.D
Acq: 20 Dec 2024 13:08

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS01

Tgt Ion: 43 Resp: 67695

Ion	Ratio	Lower	Upper
43	100		
45	14.9	11.9	17.9

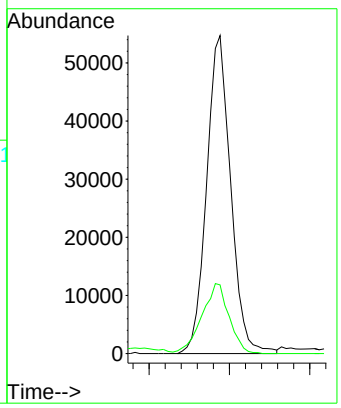


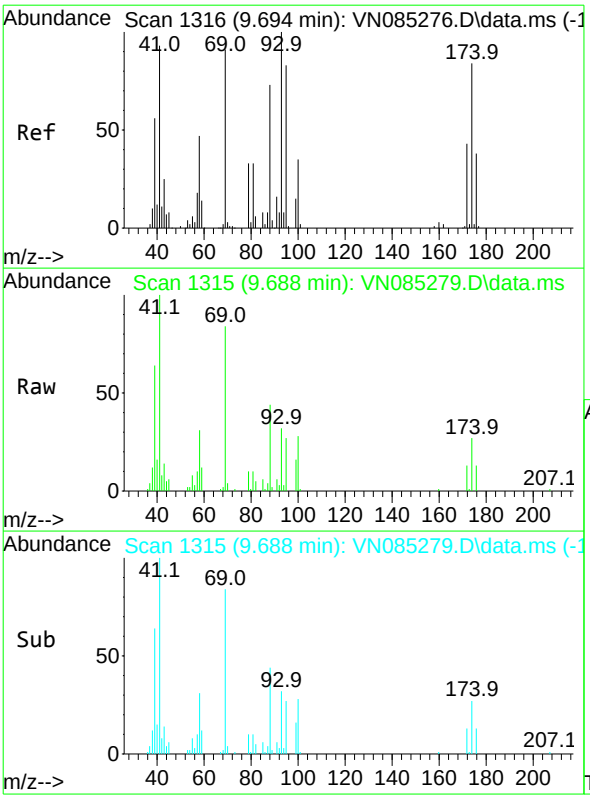


#44
Isopropyl Acetate
Concen: 20.981 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN085279.D
Acq: 20 Dec 2024 13:08

Tgt Ion: 43 Resp: 113930

Ion	Ratio	Lower	Upper
43	100		
61	24.8	19.7	29.5



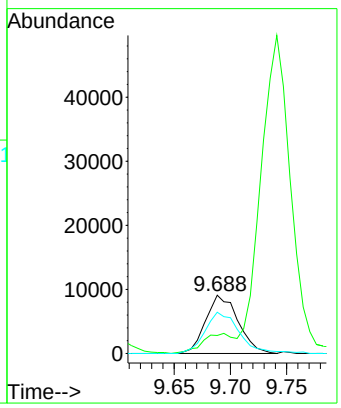


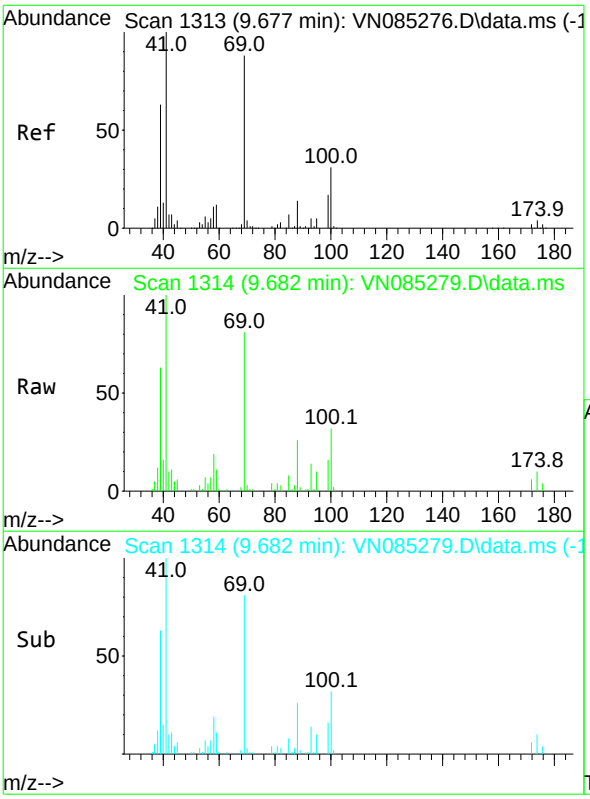
#45
1,4-Dioxane
Concen: 431.656 ug/l
RT: 9.688 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN085279.D
Acq: 20 Dec 2024 13:08

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS01

Tgt Ion: 88 Resp: 18231

Ion	Ratio	Lower	Upper
88	100		
43	34.6	25.4	38.2
58	75.2	58.5	87.7

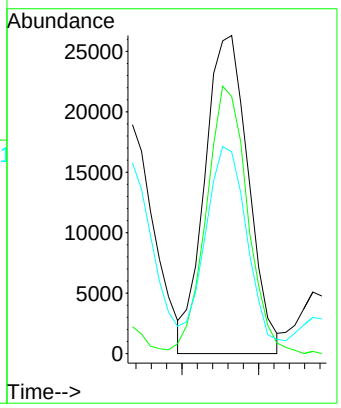


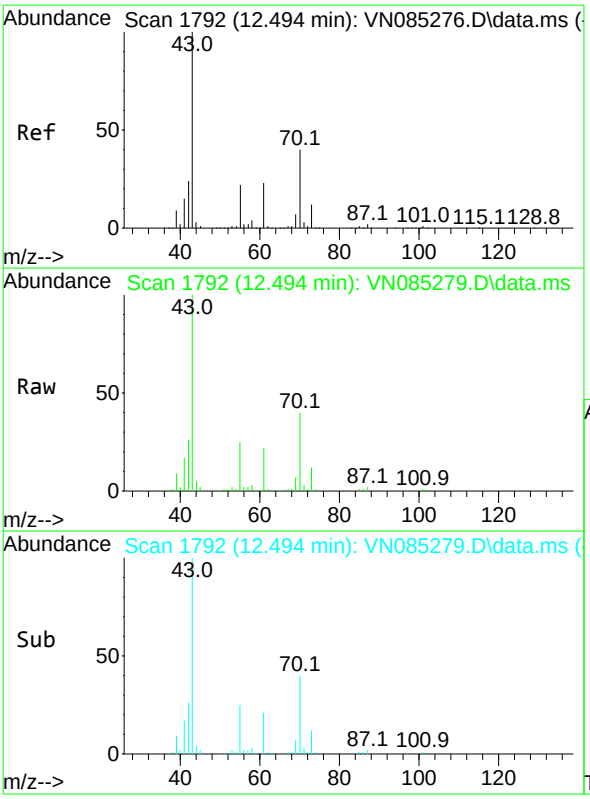


#46
Methyl methacrylate
Concen: 20.586 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. 0.000 min
Lab File: VN085279.D
Acq: 20 Dec 2024 13:08

Tgt Ion: 41 Resp: 51888

Ion	Ratio	Lower	Upper
41	100		
69	83.0	39.9	119.6
39	62.9	31.6	95.0



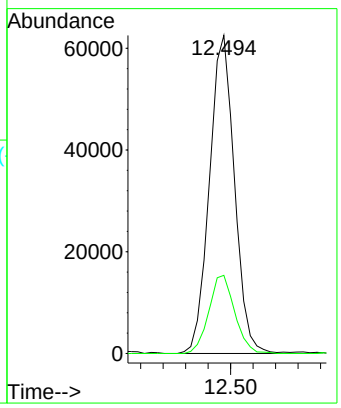


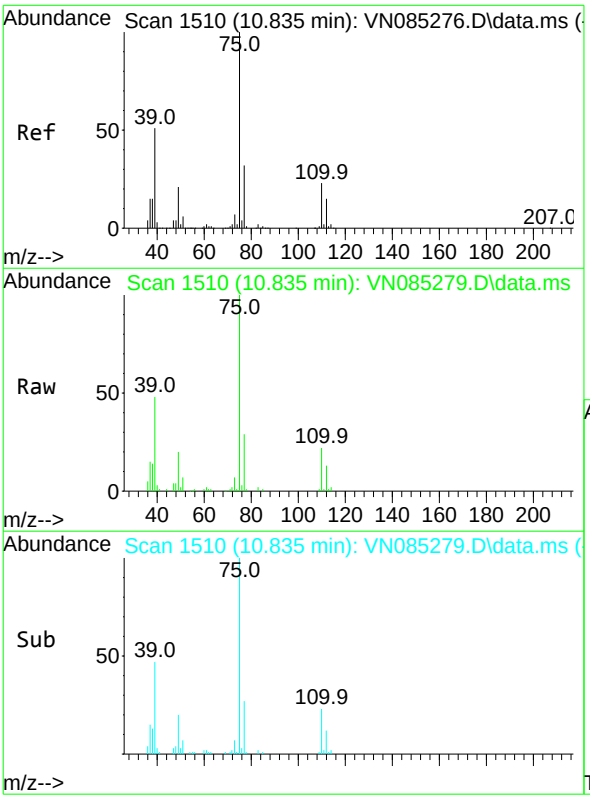
#47
n-amyl Acetate
Concen: 20.885 ug/l
RT: 12.494 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN085279.D
Acq: 20 Dec 2024 13:08

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS01

Tgt Ion: 43 Resp: 96610

Ion	Ratio	Lower	Upper
43	100		
55	25.4	21.3	31.9

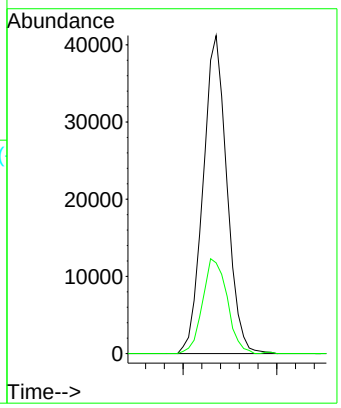


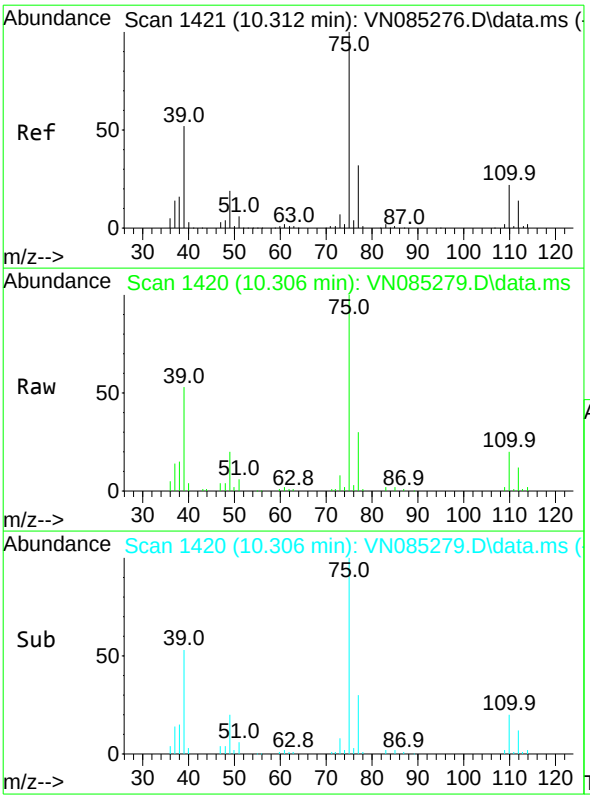


#48
t-1,3-Dichloropropene
Concen: 20.986 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. 0.006 min
Lab File: VN085279.D
Acq: 20 Dec 2024 13:08

Tgt Ion: 75 Resp: 72734

Ion	Ratio	Lower	Upper
75	100		
77	28.5	23.8	35.6



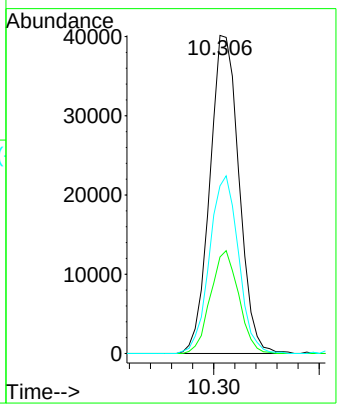


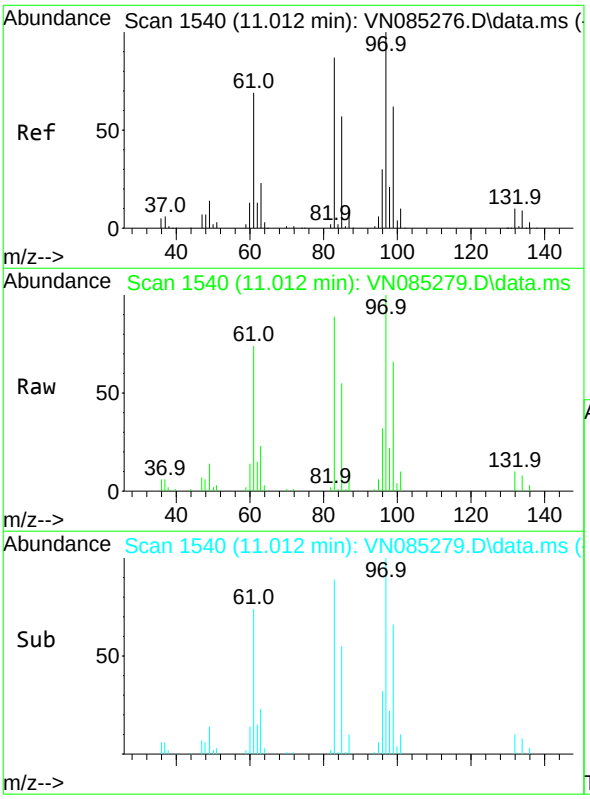
#49
cis-1,3-Dichloropropene
Concen: 20.708 ug/l
RT: 10.306 min Scan# 14
Delta R.T. -0.006 min
Lab File: VN085279.D
Acq: 20 Dec 2024 13:08

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS01

Tgt Ion: 75 Resp: 77160

Ion	Ratio	Lower	Upper
75	100		
77	30.3	26.6	40.0
39	52.7	41.9	62.9

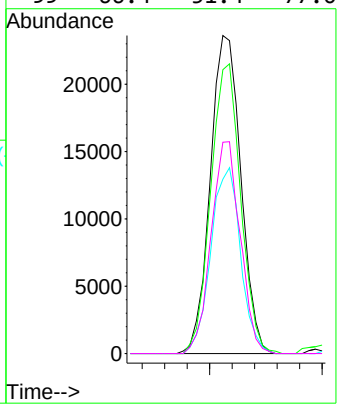


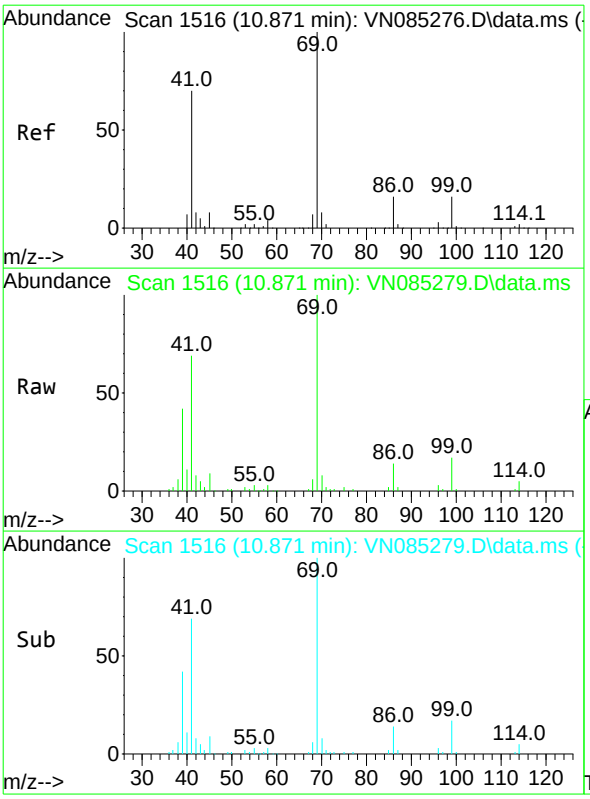


#50
1,1,2-Trichloroethane
Concen: 20.307 ug/l
RT: 11.012 min Scan# 1540
Delta R.T. 0.000 min
Lab File: VN085279.D
Acq: 20 Dec 2024 13:08

Tgt Ion: 97 Resp: 44590

Ion	Ratio	Lower	Upper
97	100		
83	89.3	72.2	108.2
85	54.8	46.6	70.0
99	66.4	51.4	77.0



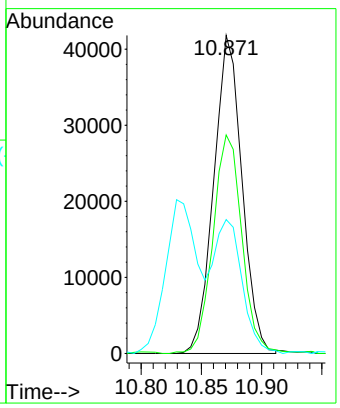


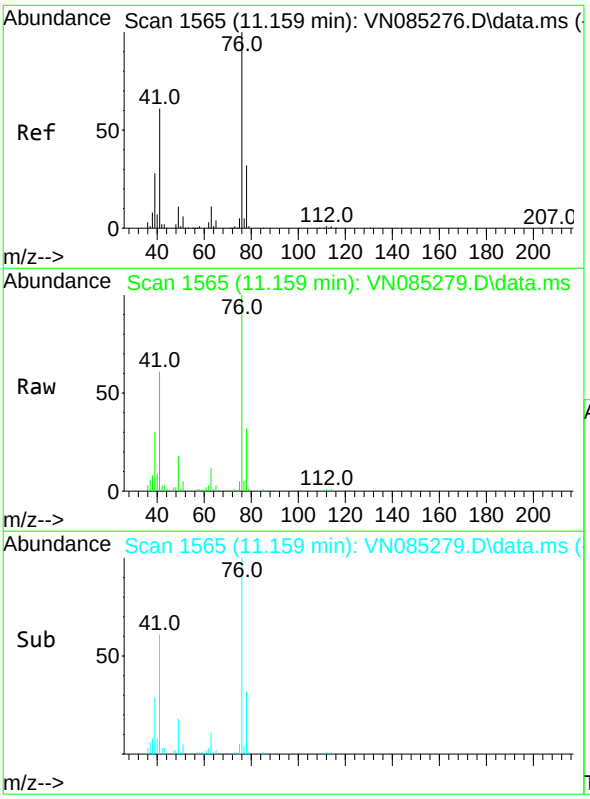
#51
Ethyl methacrylate
Concen: 20.532 ug/l
RT: 10.871 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN085279.D
Acq: 20 Dec 2024 13:08

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS01

Tgt Ion: 69 Resp: 68191

Ion	Ratio	Lower	Upper
69	100		
41	68.2	38.1	114.5
39	41.2	24.1	72.2

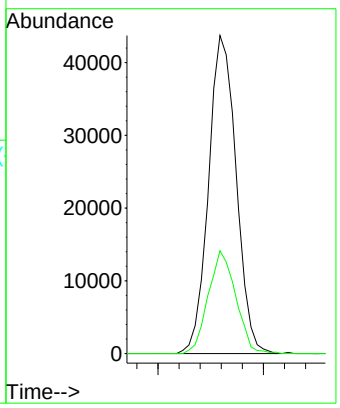


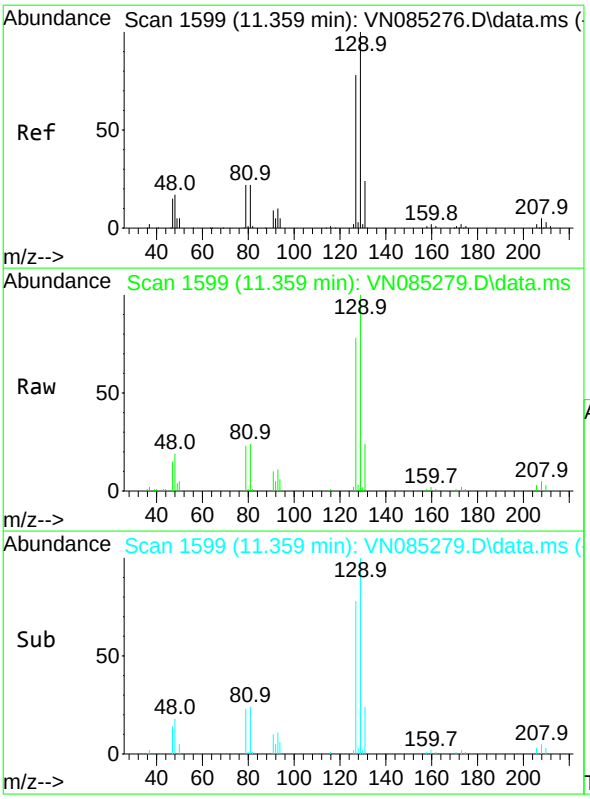


#52
1,3-Dichloropropane
Concen: 20.784 ug/l
RT: 11.159 min Scan# 1565
Delta R.T. 0.000 min
Lab File: VN085279.D
Acq: 20 Dec 2024 13:08

Tgt Ion: 76 Resp: 79663

Ion	Ratio	Lower	Upper
76	100		
78	32.2	0.0	66.2



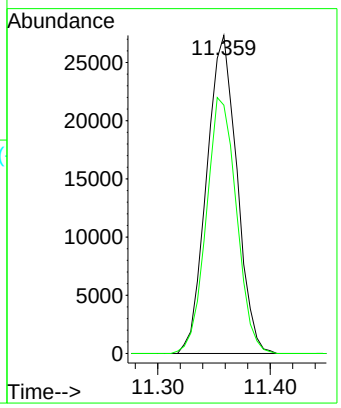


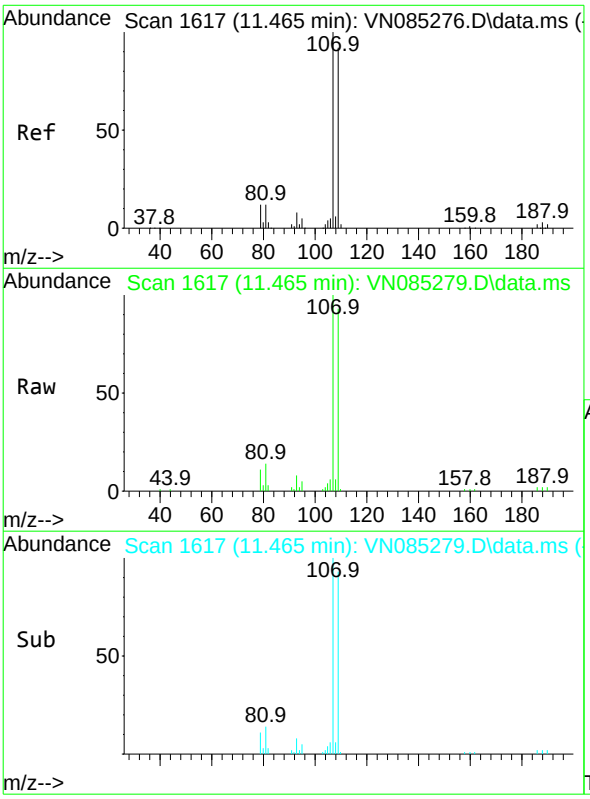
#53
Dibromochloromethane
Concen: 19.862 ug/l
RT: 11.359 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN085279.D
Acq: 20 Dec 2024 13:08

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS01

Tgt Ion:129 Resp: 51104

Ion	Ratio	Lower	Upper
129	100		
127	80.2	38.1	114.3

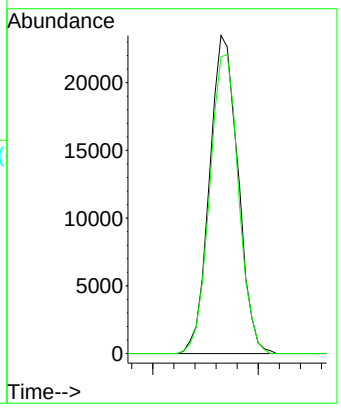


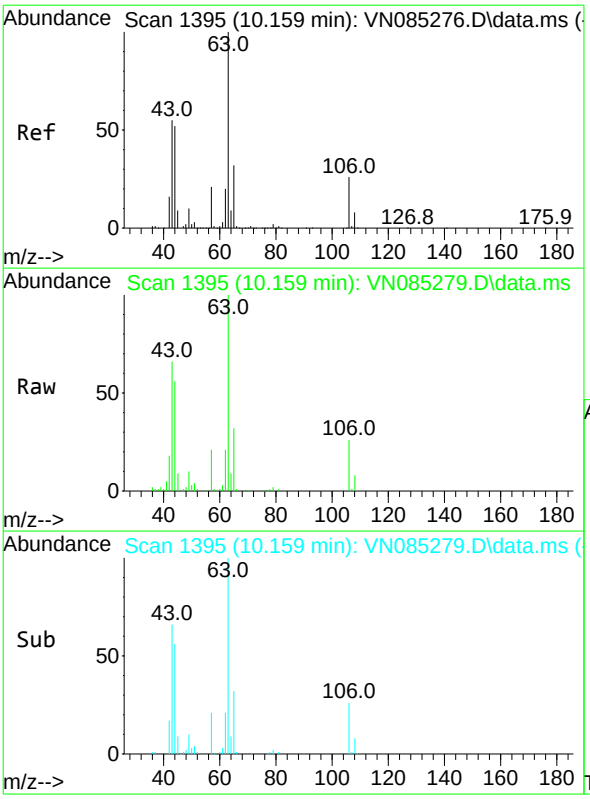


#54
1,2-Dibromoethane
Concen: 20.803 ug/l
RT: 11.465 min Scan# 1617
Delta R.T. 0.000 min
Lab File: VN085279.D
Acq: 20 Dec 2024 13:08

Tgt Ion:107 Resp: 44206

Ion	Ratio	Lower	Upper
107	100		
109	95.0	76.2	114.4



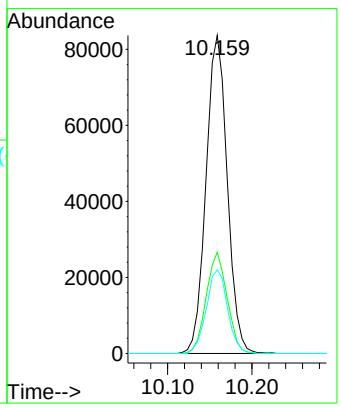


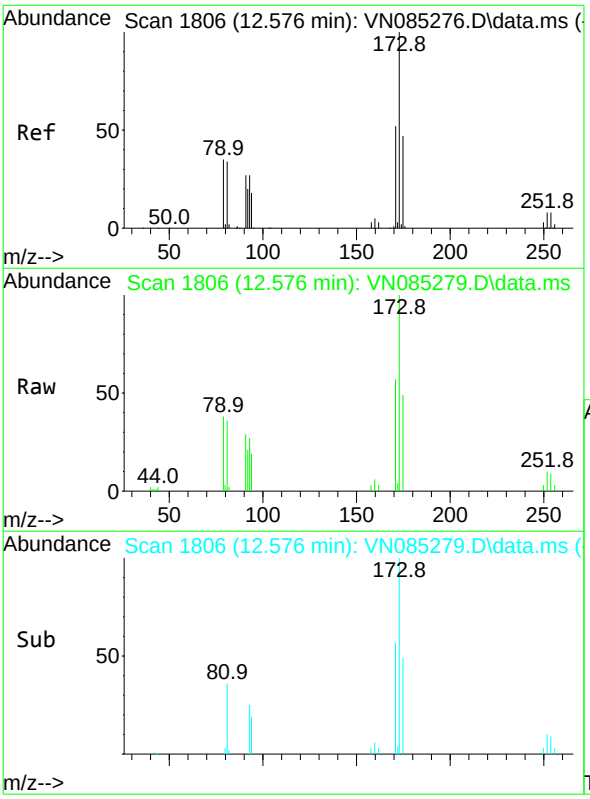
#55
2-Chloroethyl vinyl ether
Concen: 85.526 ug/l
RT: 10.159 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN085279.D
Acq: 20 Dec 2024 13:08

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS01

Tgt Ion: 63 Resp: 146313

Ion	Ratio	Lower	Upper
63	100		
65	31.3	25.9	38.9
106	26.4	21.2	31.8

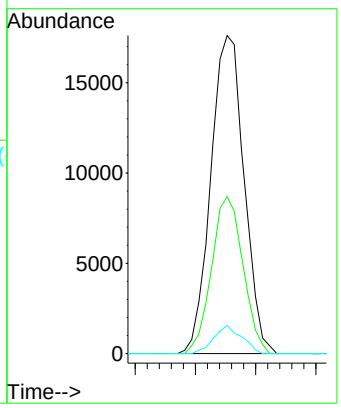


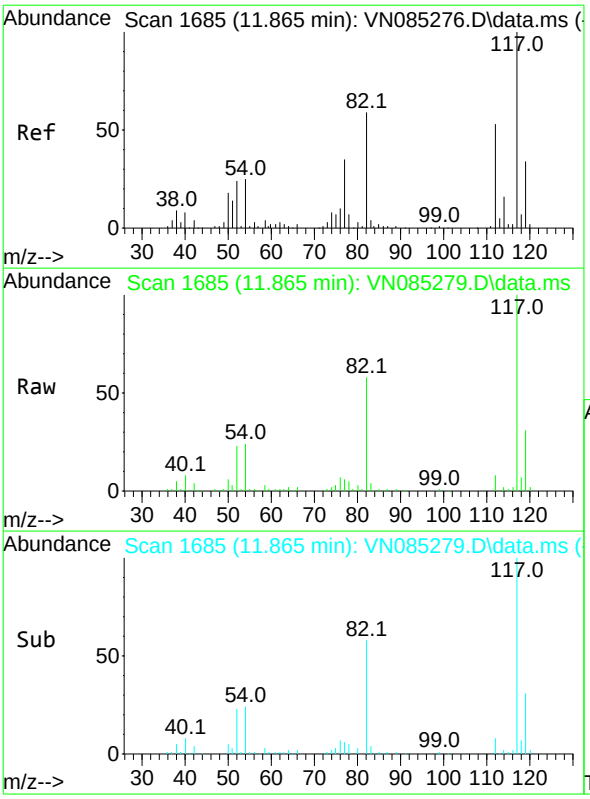


#56
Bromoform
Concen: 20.107 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VN085279.D
Acq: 20 Dec 2024 13:08

Tgt Ion:173 Resp: 33750

Ion	Ratio	Lower	Upper
173	100		
175	46.6	39.4	59.2
254	7.5	7.2	10.8



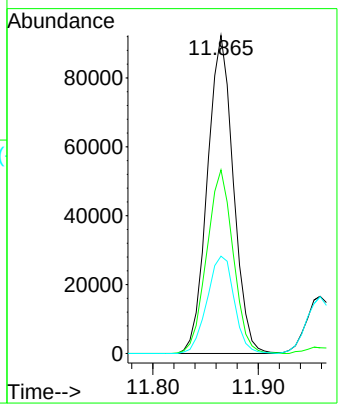


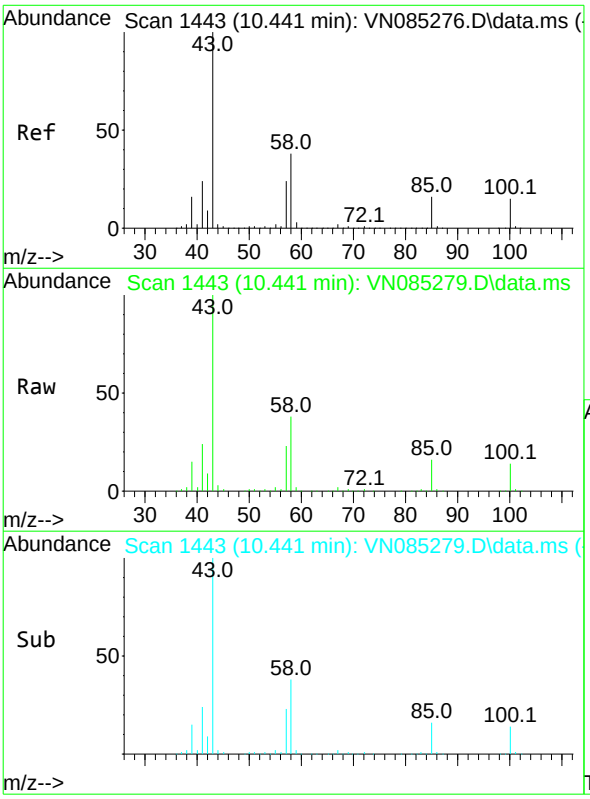
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN085279.D
Acq: 20 Dec 2024 13:08

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS01

Tgt Ion:117 Resp: 157990

Ion	Ratio	Lower	Upper
117	100		
82	58.6	47.4	71.0
119	32.0	25.3	37.9

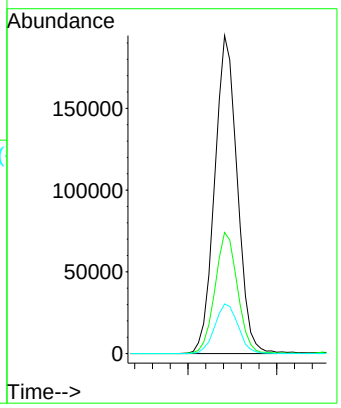


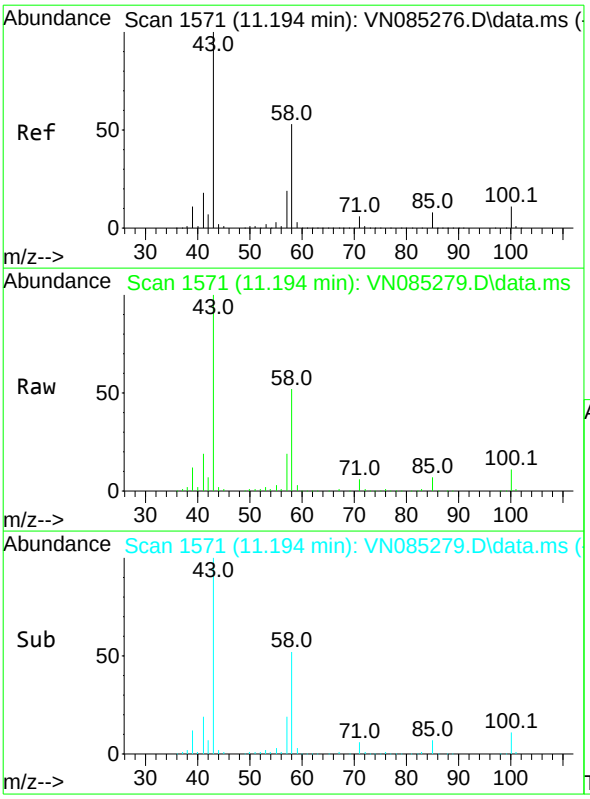


#58
4-Methyl-2-Pentanone
Concen: 107.366 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN085279.D
Acq: 20 Dec 2024 13:08

Tgt Ion: 43 Resp: 343878

Ion	Ratio	Lower	Upper
43	100		
58	38.1	29.2	43.8
85	16.1	12.8	19.2



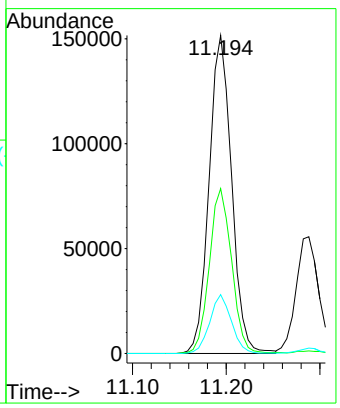


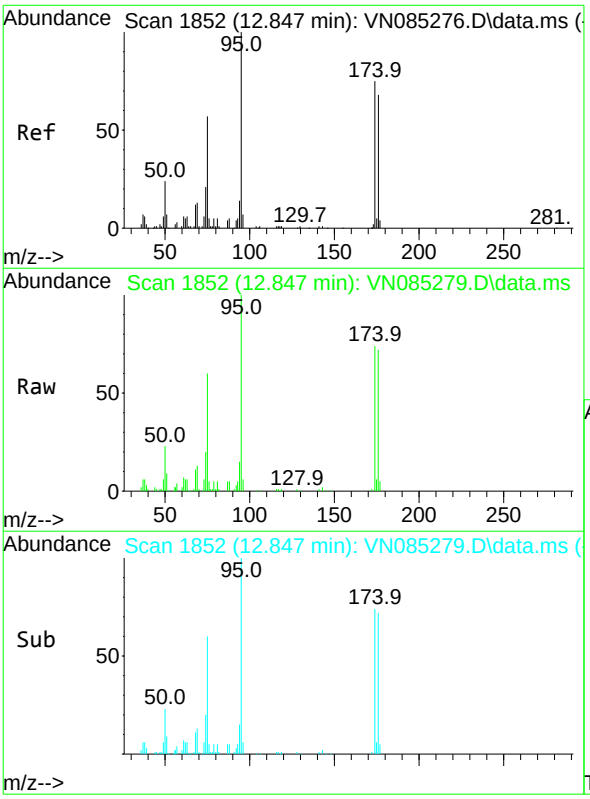
#59
2-Hexanone
Concen: 108.794 ug/l
RT: 11.194 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN085279.D
Acq: 20 Dec 2024 13:08

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS01

Tgt Ion: 43 Resp: 253134

Ion	Ratio	Lower	Upper
43	100		
58	51.4	40.2	60.4
57	17.9	14.2	21.4

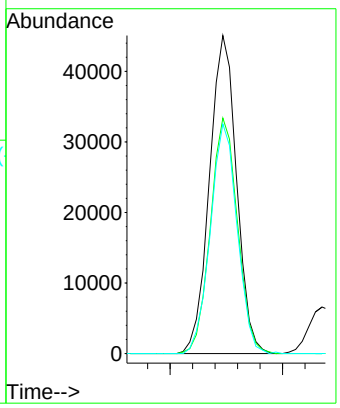


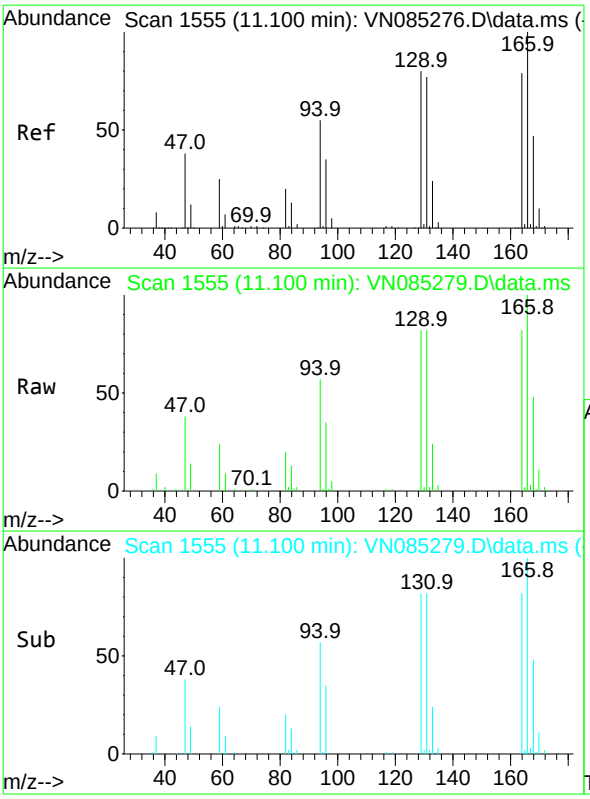


#60
4-Bromofluorobenzene
Concen: 29.511 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085279.D
Acq: 20 Dec 2024 13:08

Tgt Ion: 95 Resp: 75523

Ion	Ratio	Lower	Upper
95	100		
174	74.0	57.8	86.8
176	71.2	57.1	85.7



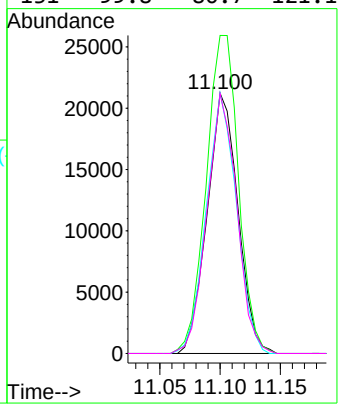


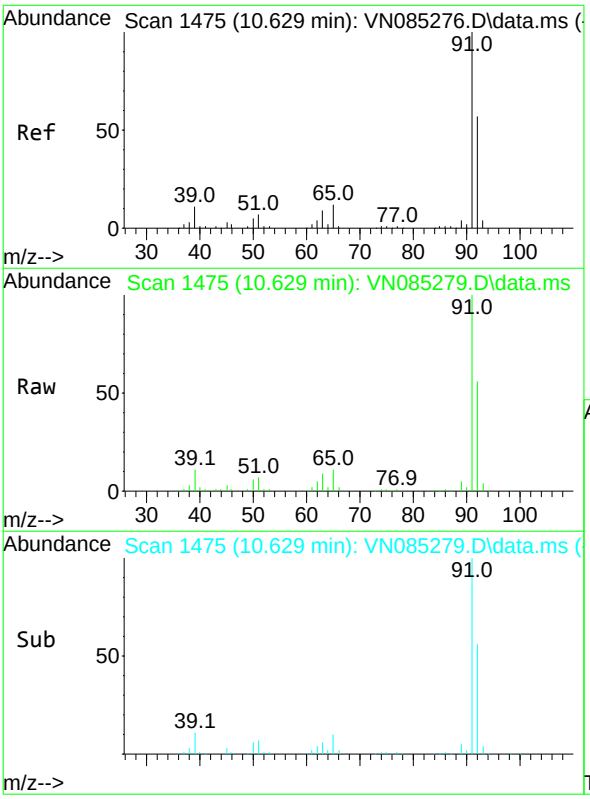
#61
Tetrachloroethene
Concen: 21.414 ug/l
RT: 11.100 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN085279.D
Acq: 20 Dec 2024 13:08

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS01

Tgt Ion:164 Resp: 37769

Ion	Ratio	Lower	Upper
164	100		
166	122.2	109.0	163.4
129	100.1	85.1	127.7
131	99.8	80.7	121.1

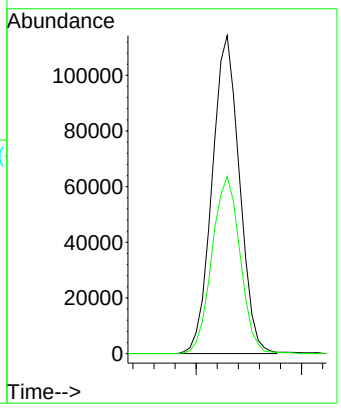


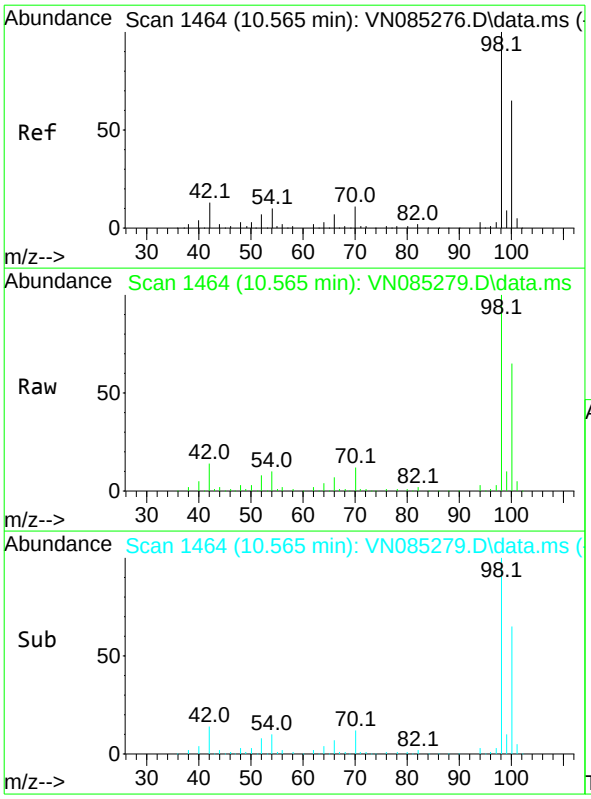


#62
Toluene
Concen: 21.213 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN085279.D
Acq: 20 Dec 2024 13:08

Tgt Ion: 91 Resp: 205901

Ion	Ratio	Lower	Upper
91	100		
92	57.1	45.9	68.9



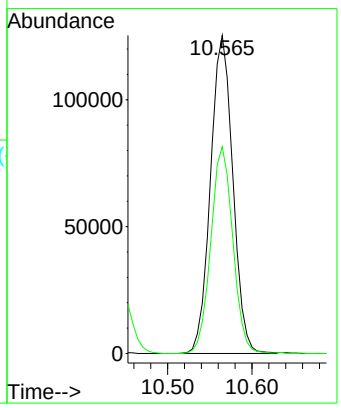


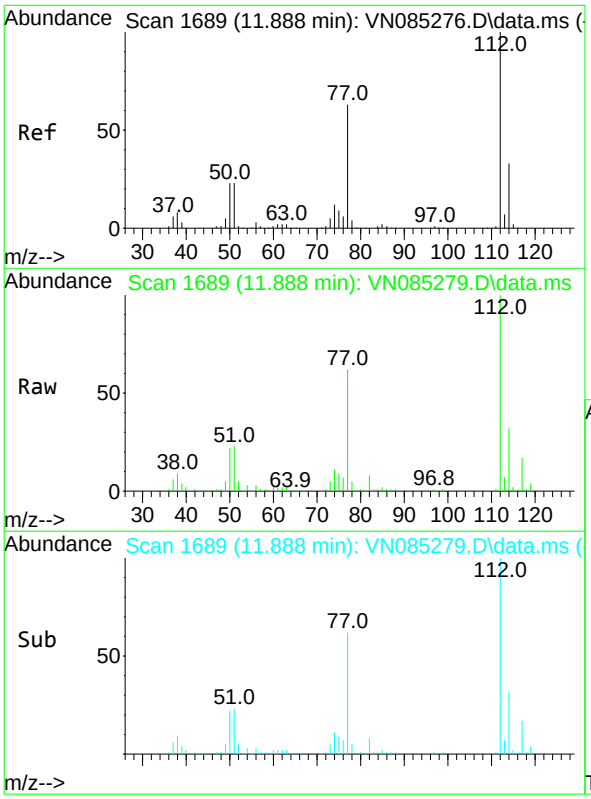
#63
Toluene-d8
Concen: 29.885 ug/l
RT: 10.565 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN085279.D
Acq: 20 Dec 2024 13:08

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS01

Tgt Ion: 98 Resp: 230556

Ion	Ratio	Lower	Upper
98	100		
100	64.0	50.8	76.2

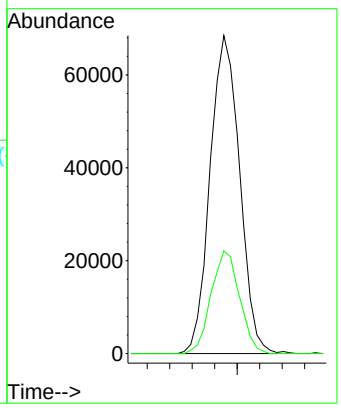


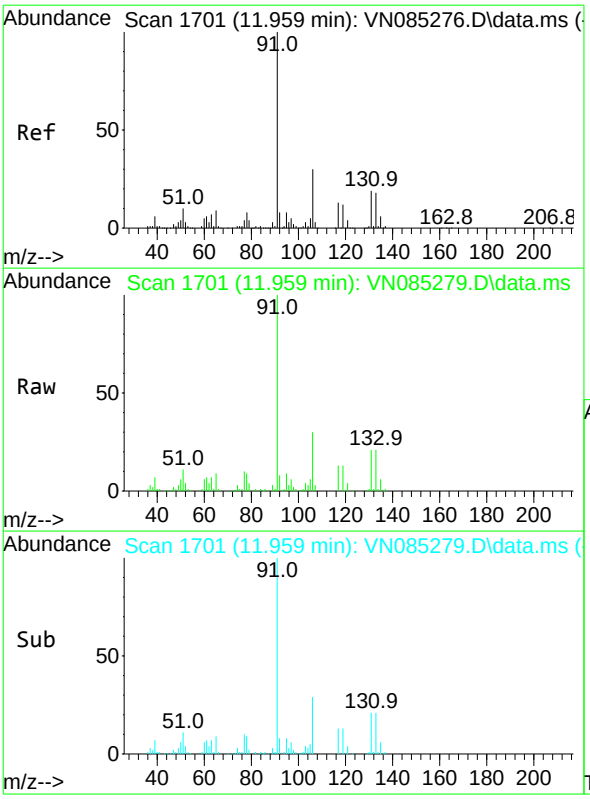


#64
Chlorobenzene
Concen: 21.340 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. 0.000 min
Lab File: VN085279.D
Acq: 20 Dec 2024 13:08

Tgt Ion:112 Resp: 124927

Ion	Ratio	Lower	Upper
112	100		
114	32.3	26.4	39.6



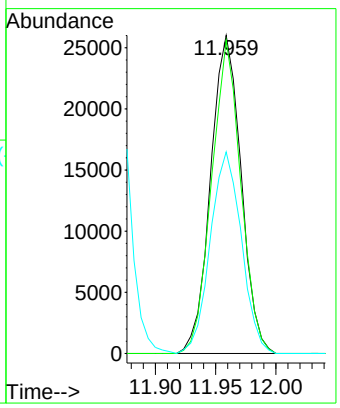


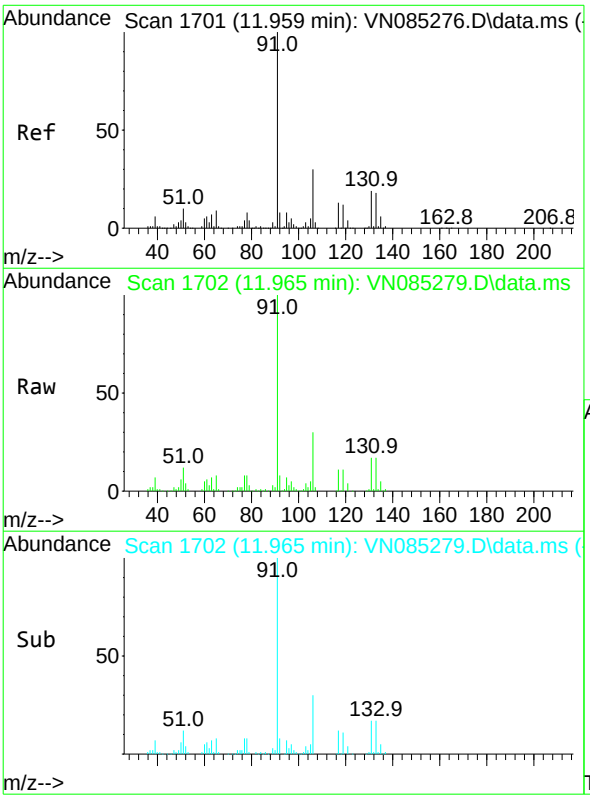
#65
1,1,1,2-Tetrachloroethane
Concen: 21.515 ug/l
RT: 11.959 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN085279.D
Acq: 20 Dec 2024 13:08

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS01

Tgt Ion:131 Resp: 45676

Ion	Ratio	Lower	Upper
131	100		
133	94.3	0.0	189.4
119	64.7	0.0	135.0

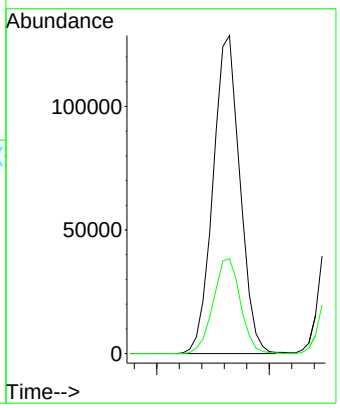


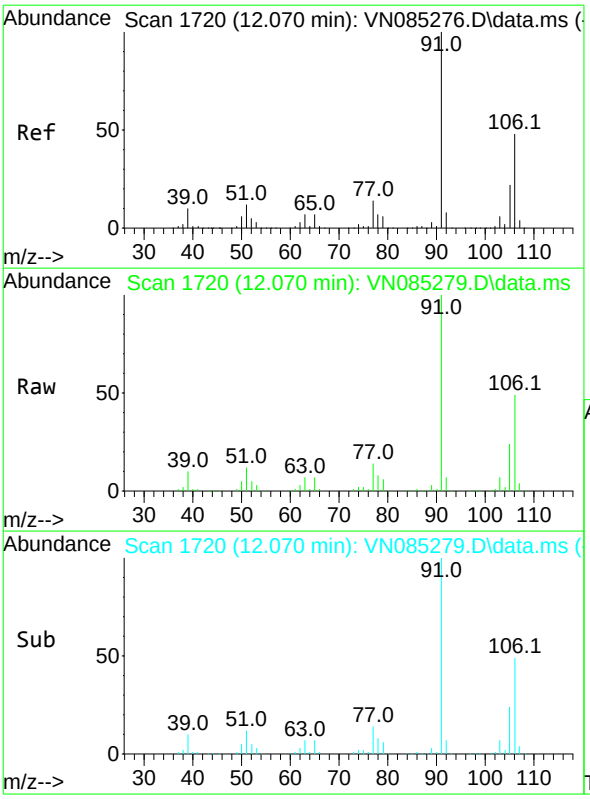


#66
Ethyl Benzene
Concen: 20.955 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.000 min
Lab File: VN085279.D
Acq: 20 Dec 2024 13:08

Tgt Ion: 91 Resp: 214011

Ion	Ratio	Lower	Upper
91	100		
106	29.8	23.2	34.8



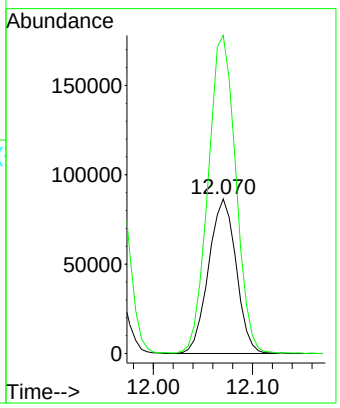


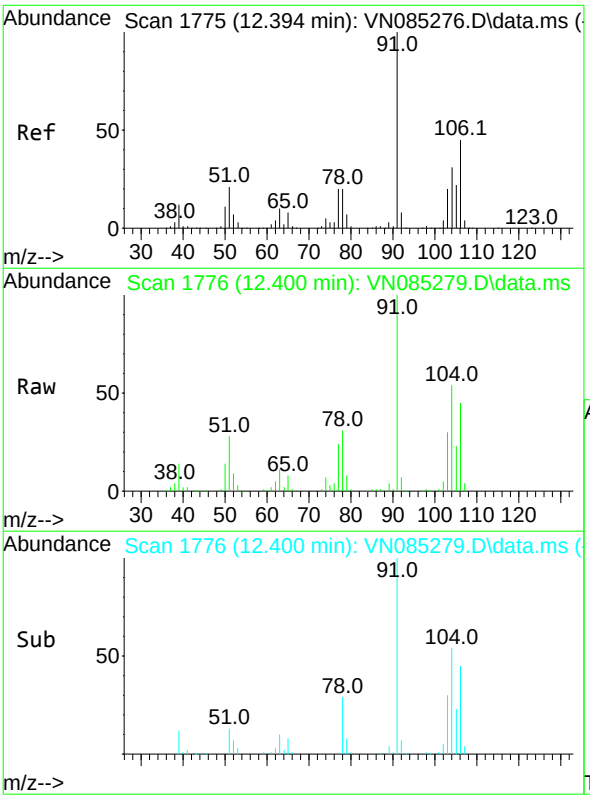
#67
m/p-Xylenes
Concen: 43.601 ug/l
RT: 12.070 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN085279.D
Acq: 20 Dec 2024 13:08

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS01

Tgt Ion:106 Resp: 167058

Ion	Ratio	Lower	Upper
106	100		
91	206.8	167.0	250.4

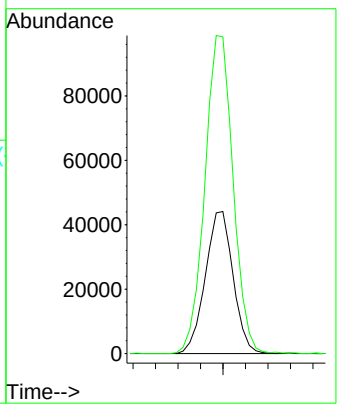


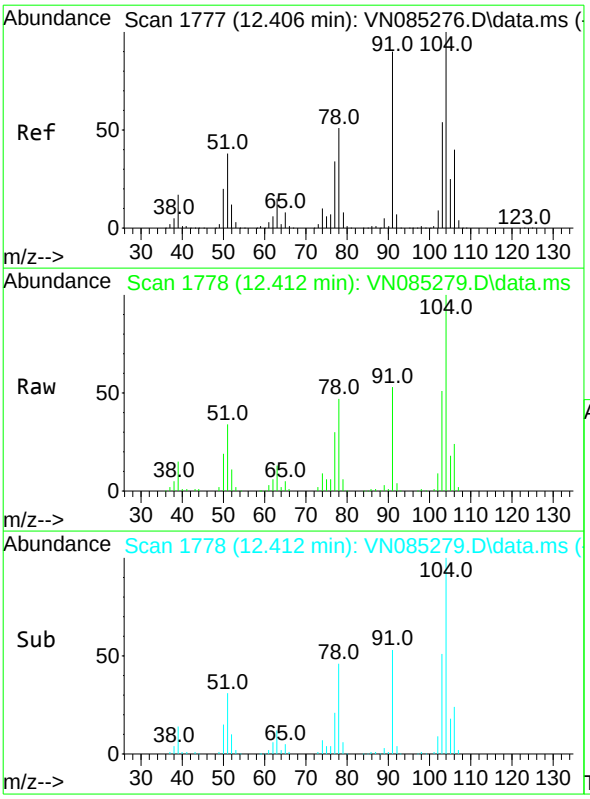


#68
o-Xylene
Concen: 20.759 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. 0.006 min
Lab File: VN085279.D
Acq: 20 Dec 2024 13:08

Tgt Ion:106 Resp: 75761

Ion	Ratio	Lower	Upper
106	100		
91	227.3	110.6	331.8



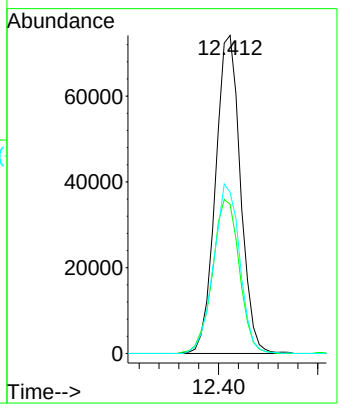


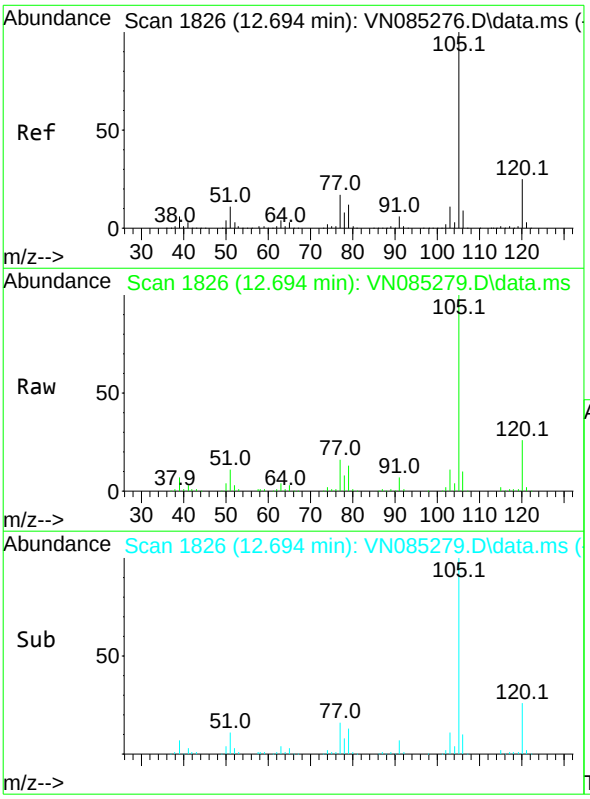
#69
Styrene
Concen: 20.991 ug/l
RT: 12.412 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN085279.D
Acq: 20 Dec 2024 13:08

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS01

Tgt Ion:104 Resp: 129473

Ion	Ratio	Lower	Upper
104	100		
78	52.2	41.0	61.4
103	55.8	44.8	67.2

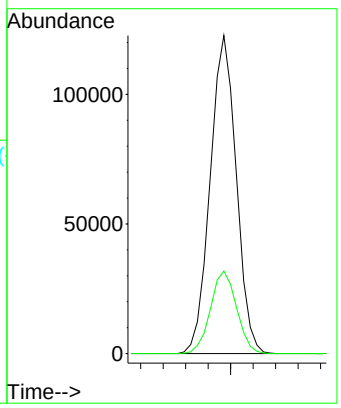


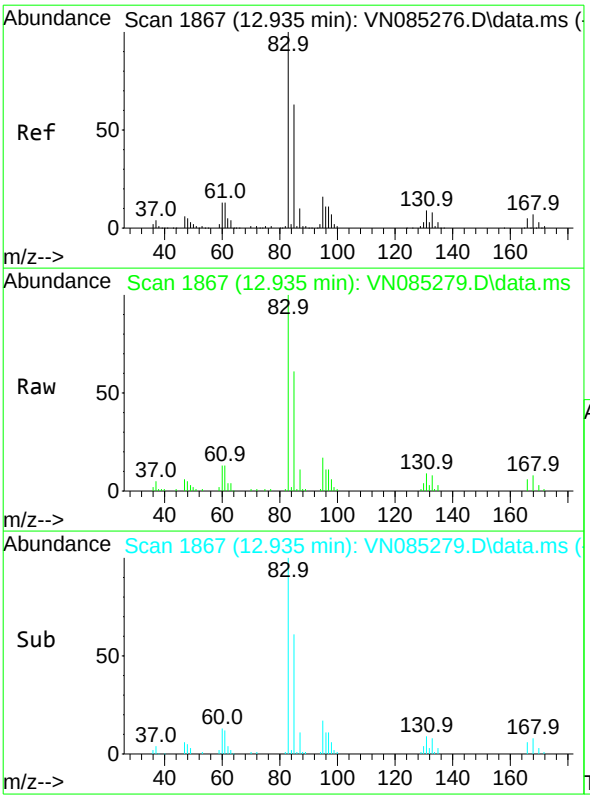


#70
Isopropylbenzene
Concen: 21.592 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN085279.D
Acq: 20 Dec 2024 13:08

Tgt Ion:105 Resp: 197876

Ion	Ratio	Lower	Upper
105	100		
120	25.9	18.4	34.2



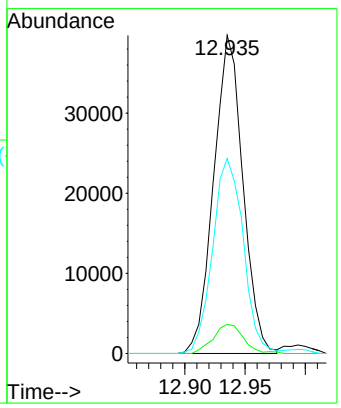


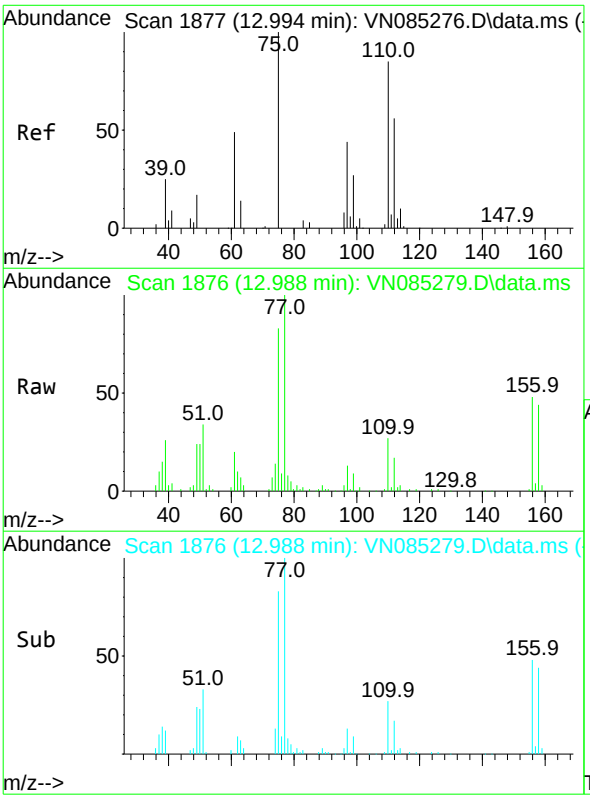
#71
1,1,2,2-Tetrachloroethane
Concen: 20.583 ug/l
RT: 12.935 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085279.D
Acq: 20 Dec 2024 13:08

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS01

Tgt Ion: 83 Resp: 66902

Ion	Ratio	Lower	Upper
83	100		
131	9.3	5.0	15.0
85	64.1	33.0	98.9

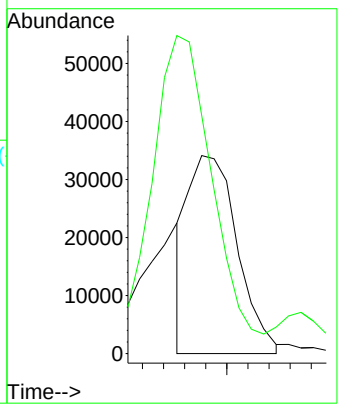


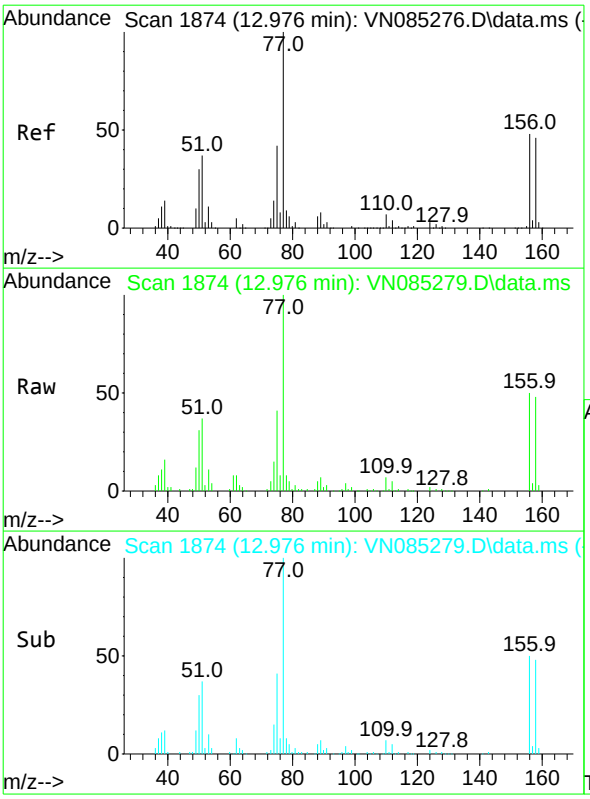


#72
1,2,3-Trichloropropane
Concen: 20.049 ug/l m
RT: 12.988 min Scan# 1876
Delta R.T. -0.006 min
Lab File: VN085279.D
Acq: 20 Dec 2024 13:08

Tgt Ion: 75 Resp: 55463

Ion	Ratio	Lower	Upper
75	100		
77	199.5	0.0	407.2



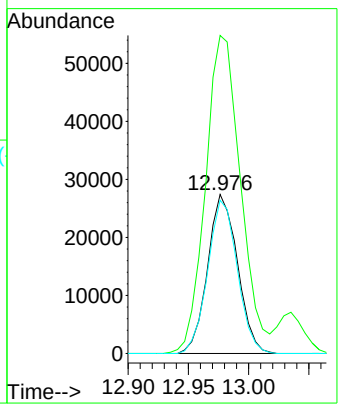


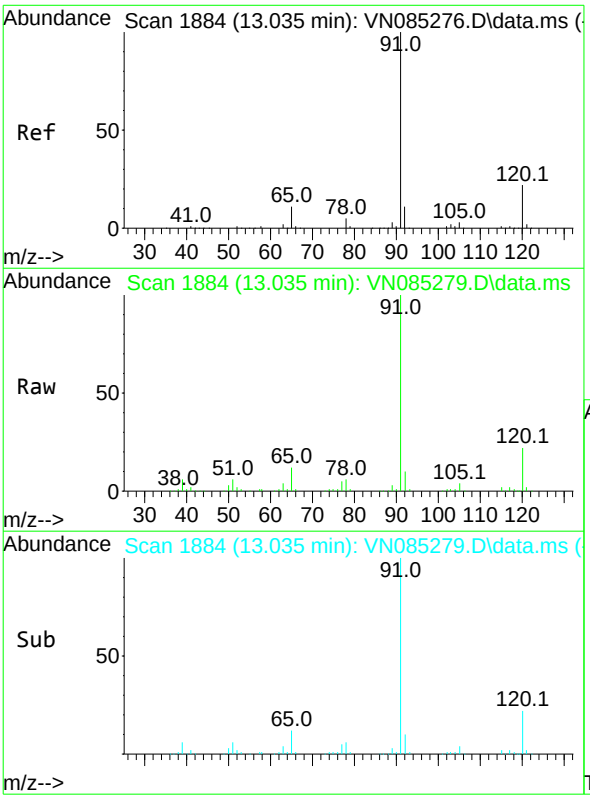
#73
Bromobenzene
Concen: 20.862 ug/l
RT: 12.976 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085279.D
Acq: 20 Dec 2024 13:08

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS01

Tgt Ion:156 Resp: 47232

Ion	Ratio	Lower	Upper
156	100		
77	234.3	0.0	462.6
158	95.5	0.0	186.4

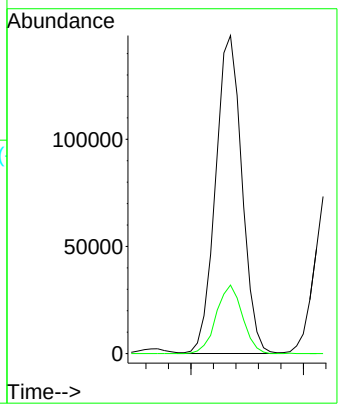


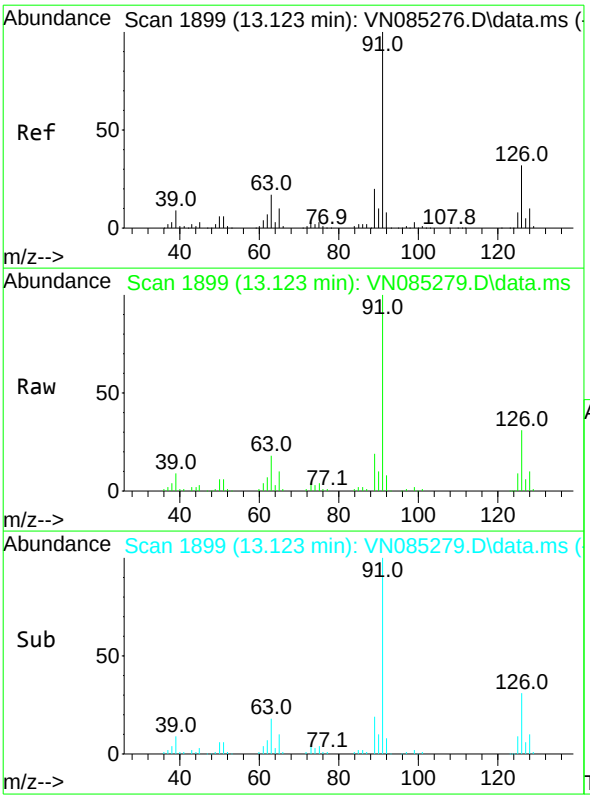


#74
n-propylbenzene
Concen: 21.158 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN085279.D
Acq: 20 Dec 2024 13:08

Tgt Ion: 91 Resp: 241564

Ion	Ratio	Lower	Upper
91	100		
120	21.4	0.0	41.4



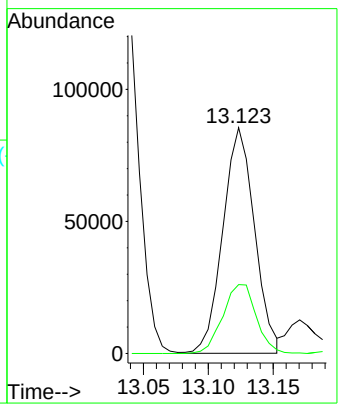


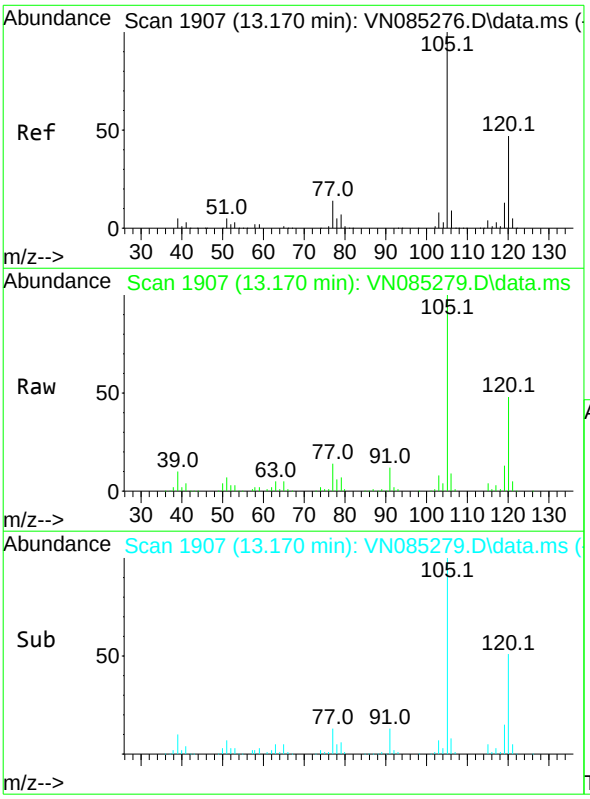
#75
2-Chlorotoluene
Concen: 21.149 ug/l
RT: 13.123 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085279.D
Acq: 20 Dec 2024 13:08

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS01

Tgt Ion: 91 Resp: 145458

Ion	Ratio	Lower	Upper
91	100		
126	32.2	0.0	65.0

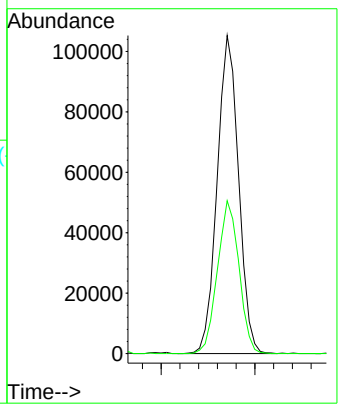


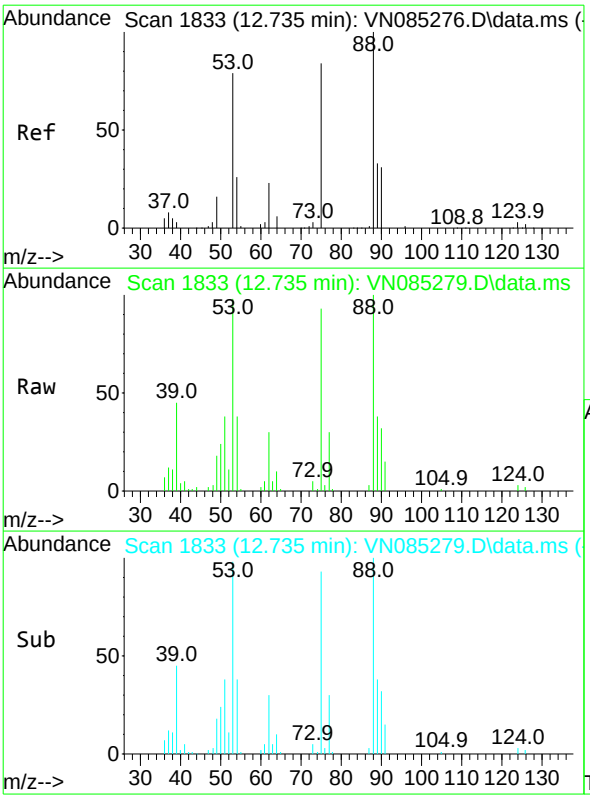


#76
1,3,5-Trimethylbenzene
Concen: 21.343 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN085279.D
Acq: 20 Dec 2024 13:08

Tgt Ion:105 Resp: 166889

Ion	Ratio	Lower	Upper
105	100		
120	48.2	0.0	95.0



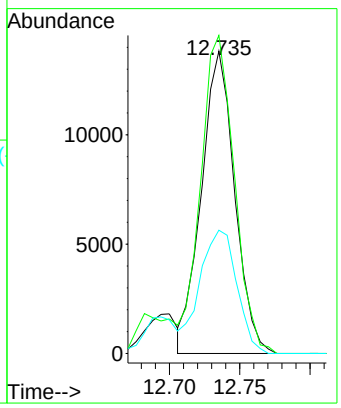


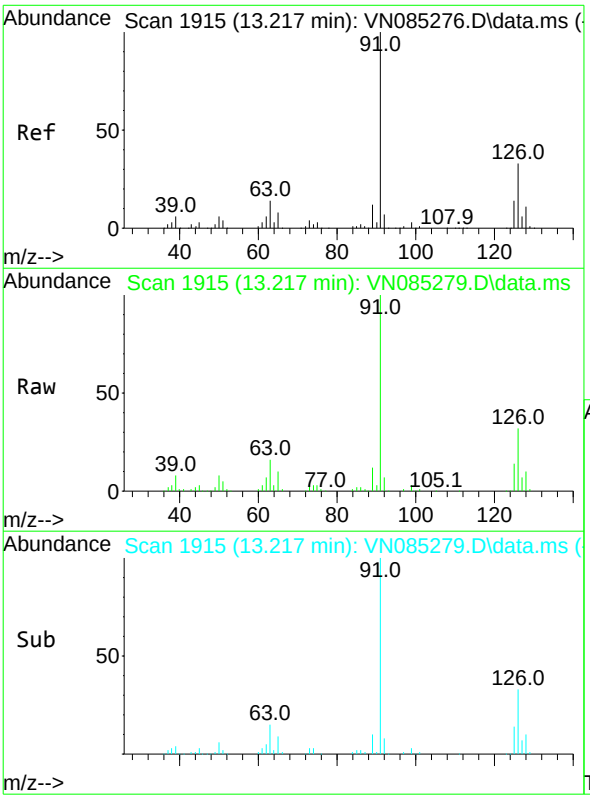
#77
t-1,4-Dichloro-2-butene
Concen: 20.142 ug/l
RT: 12.735 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085279.D
Acq: 20 Dec 2024 13:08

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS01

Tgt Ion: 75 Resp: 22772

Ion	Ratio	Lower	Upper
75	100		
53	105.2	54.9	164.5
89	40.8	22.8	68.3

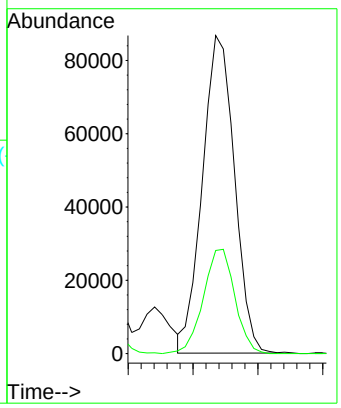


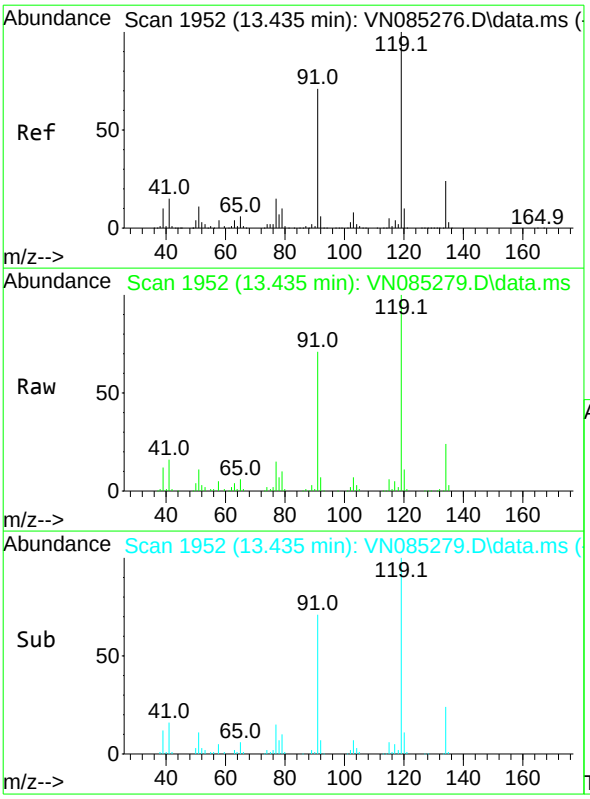


#78
4-Chlorotoluene
Concen: 21.296 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN085279.D
Acq: 20 Dec 2024 13:08

Tgt Ion: 91 Resp: 148920

Ion	Ratio	Lower	Upper
91	100		
126	32.3	0.0	63.6



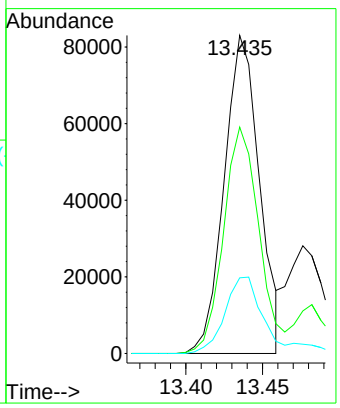


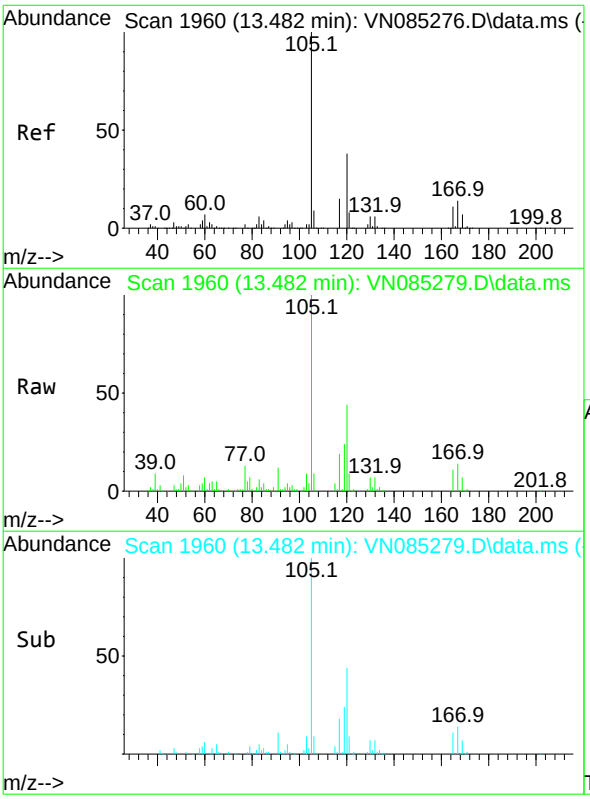
#79
tert-butylbenzene
Concen: 20.764 ug/l
RT: 13.435 min Scan# 19
Delta R.T. 0.000 min
Lab File: VN085279.D
Acq: 20 Dec 2024 13:08

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS01

Tgt Ion:119 Resp: 132786

Ion	Ratio	Lower	Upper
119	100		
91	71.8	0.0	142.0
134	25.0	0.0	49.0

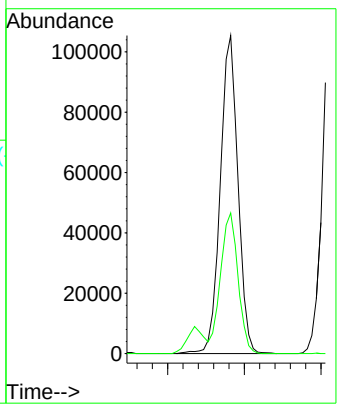


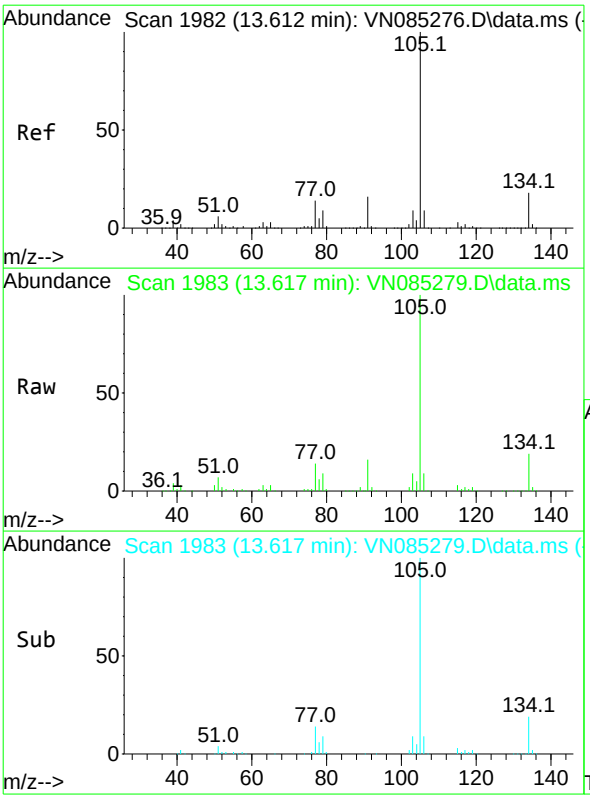


#80
1,2,4-Trimethylbenzene
Concen: 21.639 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN085279.D
Acq: 20 Dec 2024 13:08

Tgt Ion:105 Resp: 168429

Ion	Ratio	Lower	Upper
105	100		
120	43.9	0.0	89.8



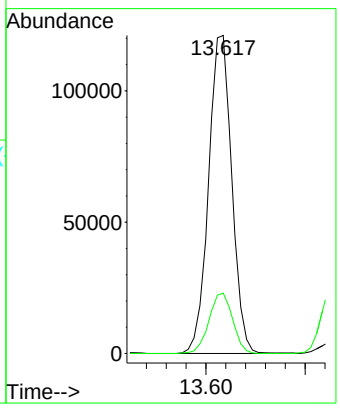


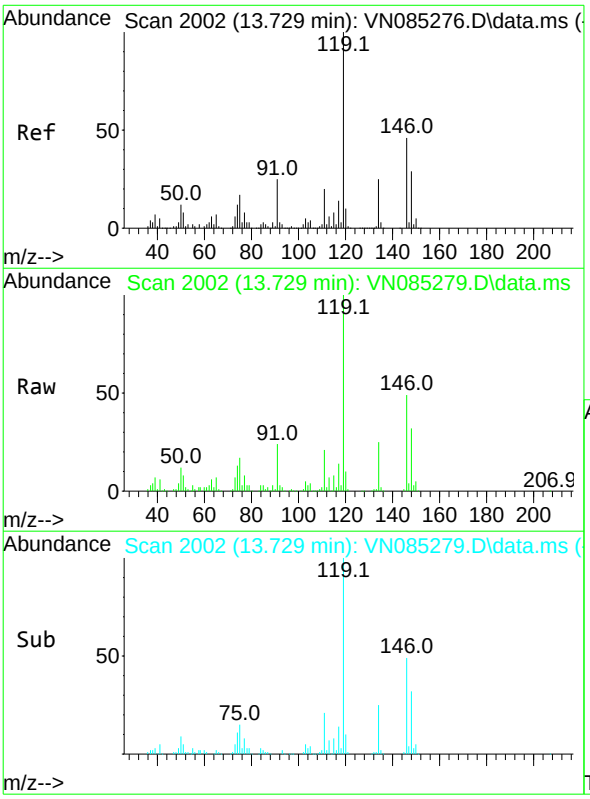
#81
sec-Butylbenzene
Concen: 21.327 ug/l
RT: 13.617 min Scan# 19
Delta R.T. 0.006 min
Lab File: VN085279.D
Acq: 20 Dec 2024 13:08

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS01

Tgt Ion:105 Resp: 196906

Ion	Ratio	Lower	Upper
105	100		
134	19.3	0.0	39.8

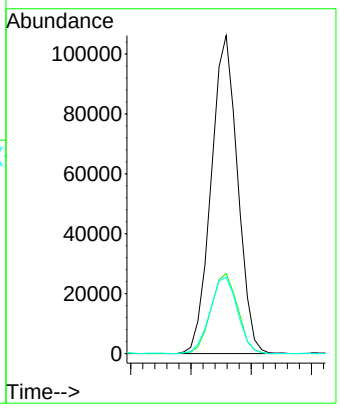


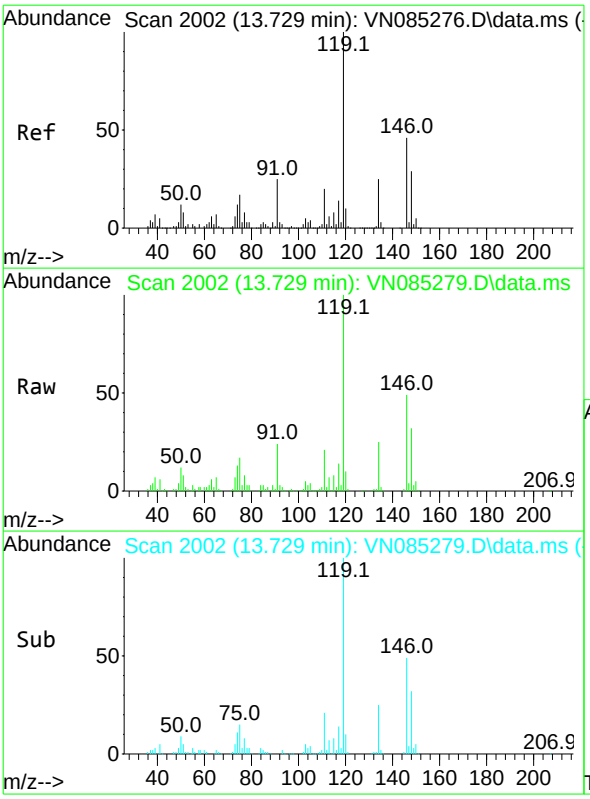


#82
p-Isopropyltoluene
Concen: 21.336 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN085279.D
Acq: 20 Dec 2024 13:08

Tgt Ion:119 Resp: 162229

Ion	Ratio	Lower	Upper
119	100		
134	25.4	0.0	51.4
91	24.9	0.0	51.4



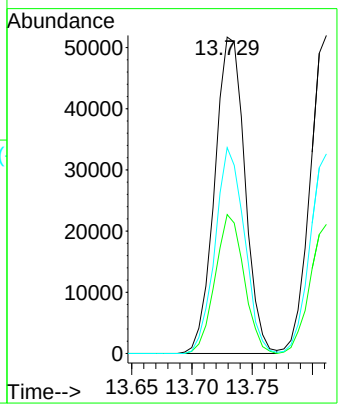


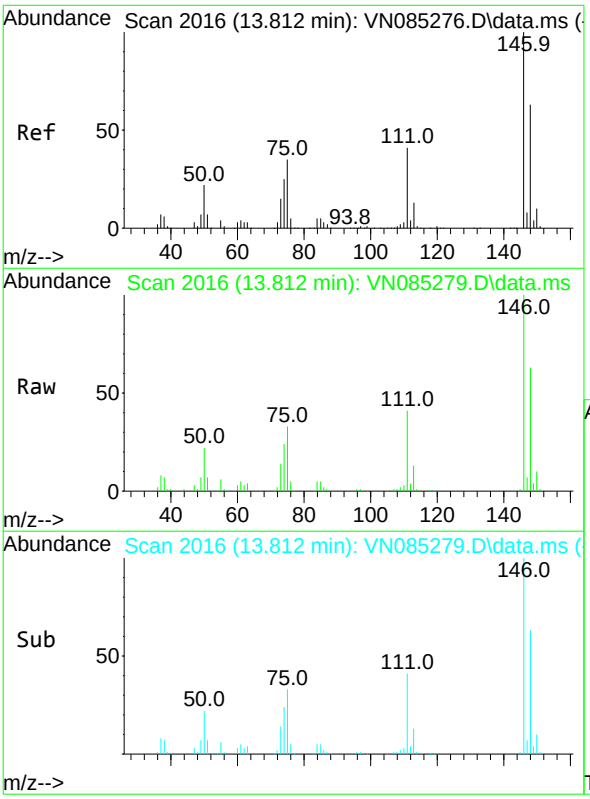
#83
1,3-Dichlorobenzene
Concen: 21.386 ug/l
RT: 13.729 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN085279.D
Acq: 20 Dec 2024 13:08

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS01

Tgt Ion:146 Resp: 90298

Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.4	61.3
148	63.0	31.1	93.5

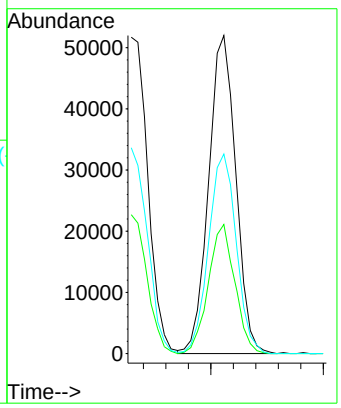


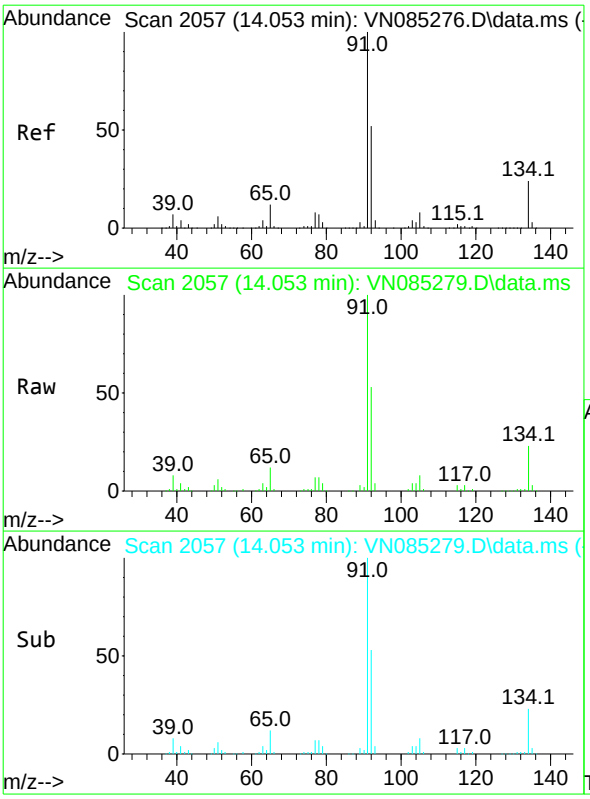


#84
1,4-Dichlorobenzene
Concen: 21.381 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. 0.000 min
Lab File: VN085279.D
Acq: 20 Dec 2024 13:08

Tgt Ion:146 Resp: 87338

Ion	Ratio	Lower	Upper
146	100		
111	39.5	20.7	62.1
148	64.0	33.2	99.6



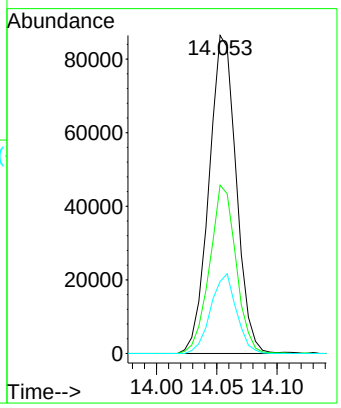


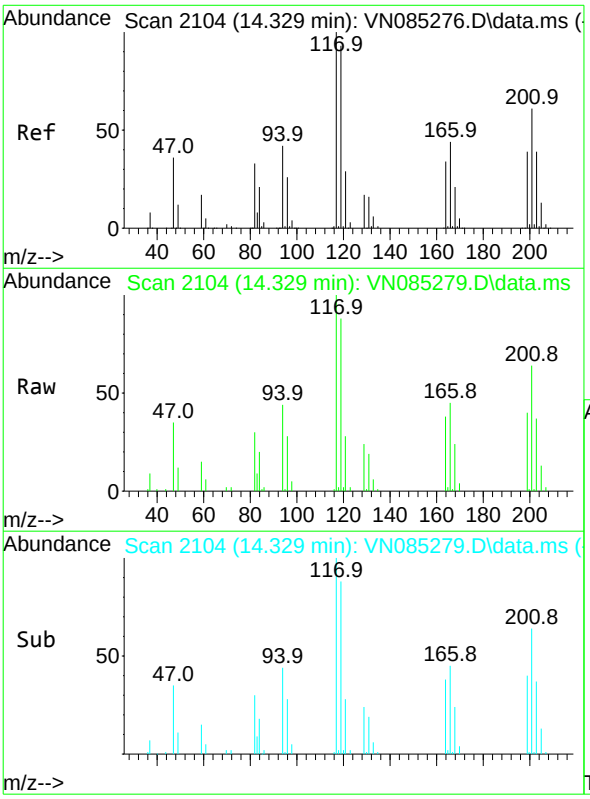
#85
n-Butylbenzene
Concen: 20.675 ug/l
RT: 14.053 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN085279.D
Acq: 20 Dec 2024 13:08

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS01

Tgt Ion: 91 Resp: 135719

Ion	Ratio	Lower	Upper
91	100		
92	51.3	0.0	102.0
134	23.6	0.0	46.4

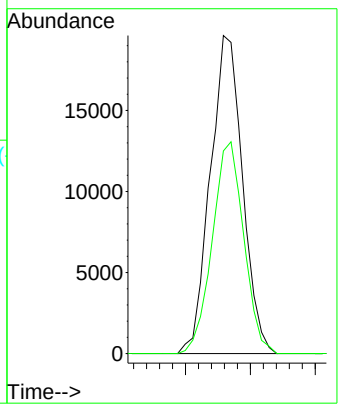


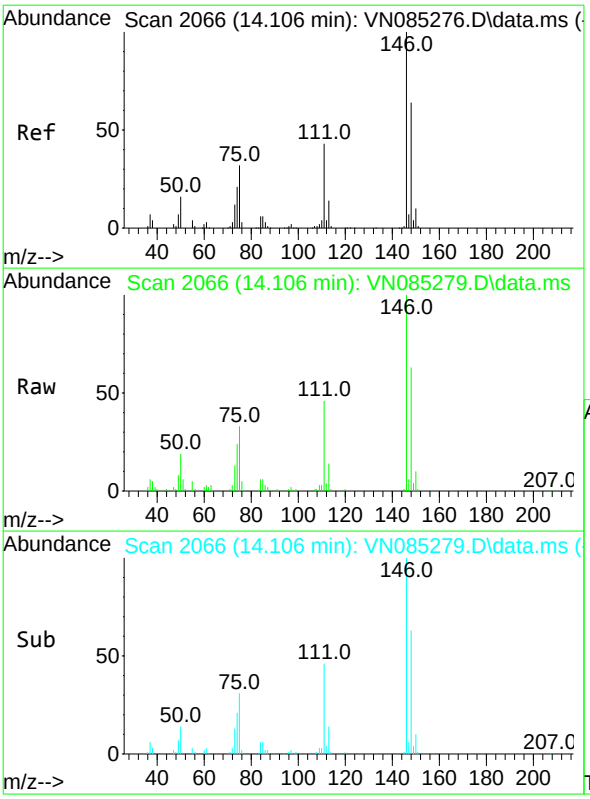


#86
Hexachloroethane
Concen: 20.763 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN085279.D
Acq: 20 Dec 2024 13:08

Tgt Ion:117 Resp: 33892

Ion	Ratio	Lower	Upper
117	100		
201	65.0	31.8	95.3



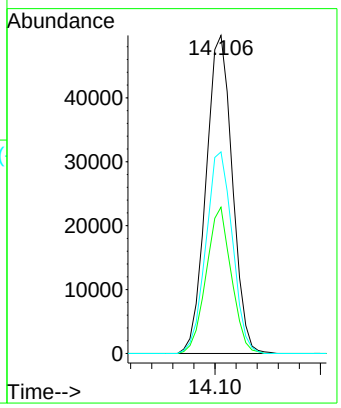


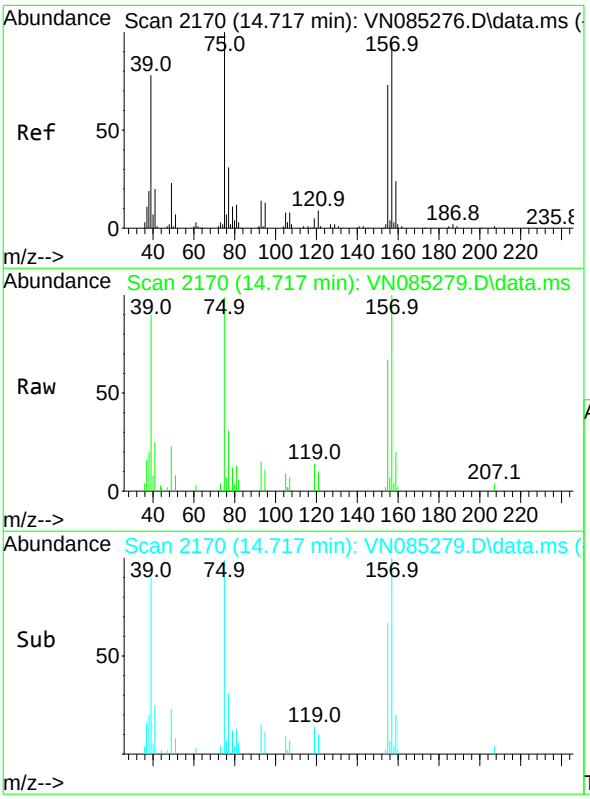
#87
1,2-Dichlorobenzene
Concen: 21.501 ug/l
RT: 14.106 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN085279.D
Acq: 20 Dec 2024 13:08

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS01

Tgt Ion:146 Resp: 86248

Ion	Ratio	Lower	Upper
146	100		
111	43.9	22.1	66.3
148	63.9	32.5	97.4

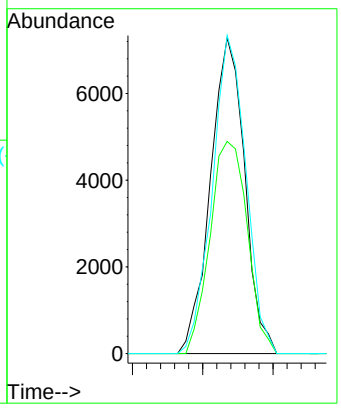


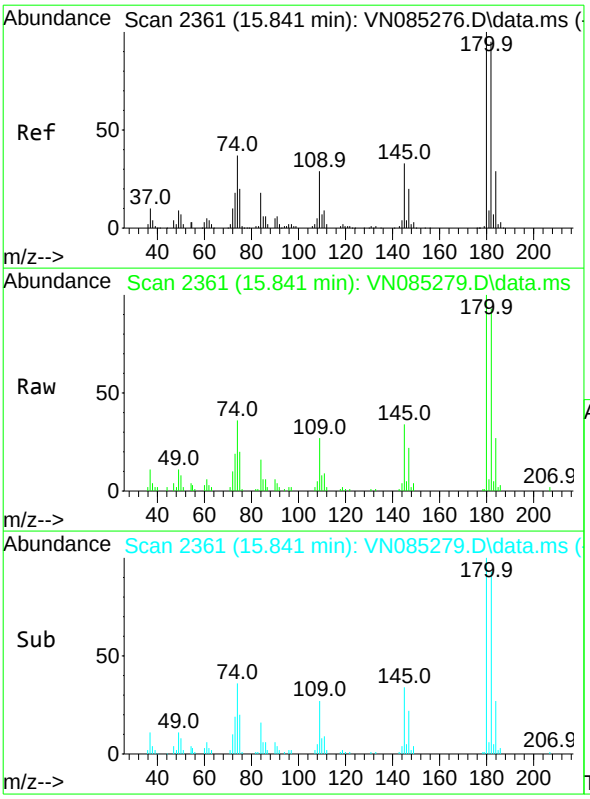


#88
1,2-Dibromo-3-Chloropropane
Concen: 20.780 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN085279.D
Acq: 20 Dec 2024 13:08

Tgt Ion: 75 Resp: 12330

Ion	Ratio	Lower	Upper
75	100		
155	73.2	53.4	80.0
157	99.0	74.2	111.4



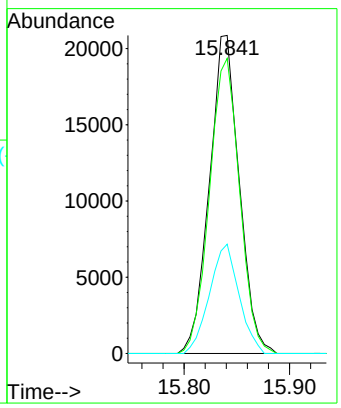


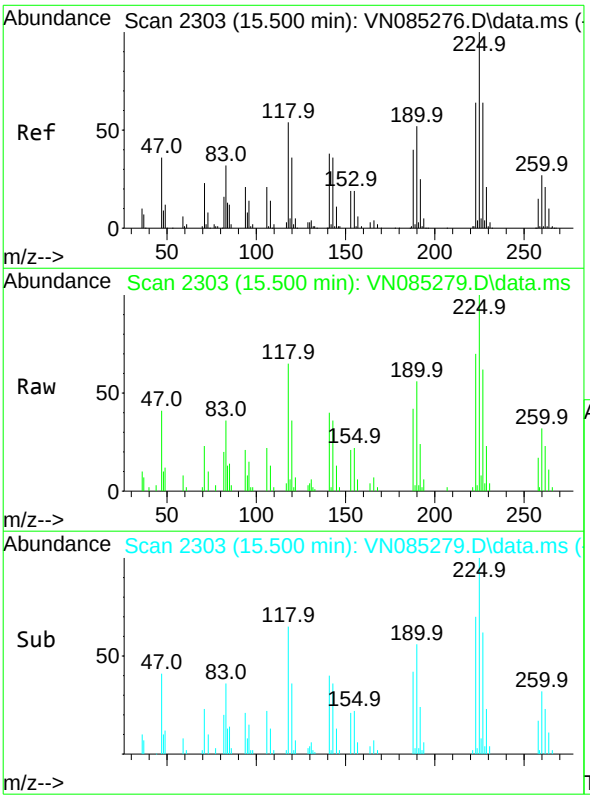
#89
1,2,4-Trichlorobenzene
Concen: 21.598 ug/l
RT: 15.841 min Scan# 23
Delta R.T. 0.006 min
Lab File: VN085279.D
Acq: 20 Dec 2024 13:08

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS01

Tgt Ion:180 Resp: 41045

Ion	Ratio	Lower	Upper
180	100		
182	93.6	76.5	114.7
145	34.0	27.4	41.2

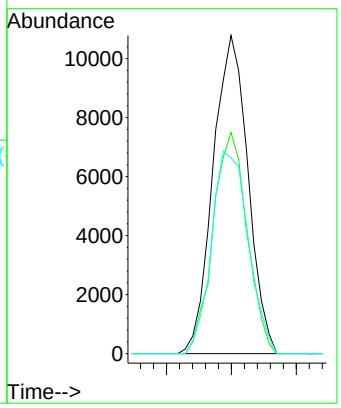


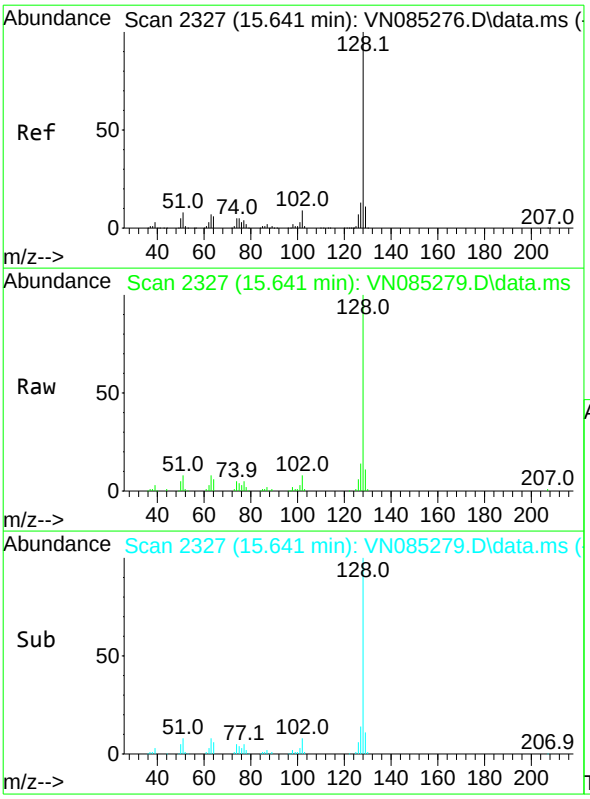


#90
Hexachlorobutadiene
Concen: 21.295 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. 0.000 min
Lab File: VN085279.D
Acq: 20 Dec 2024 13:08

Tgt Ion:225 Resp: 20172

Ion	Ratio	Lower	Upper
225	100		
223	67.8	0.0	116.2
227	66.7	0.0	116.4



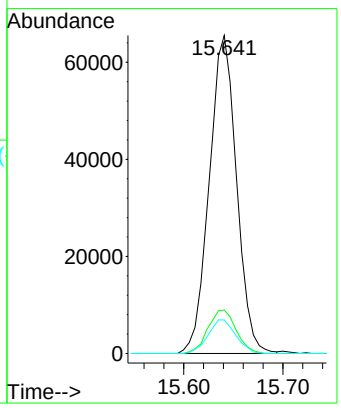


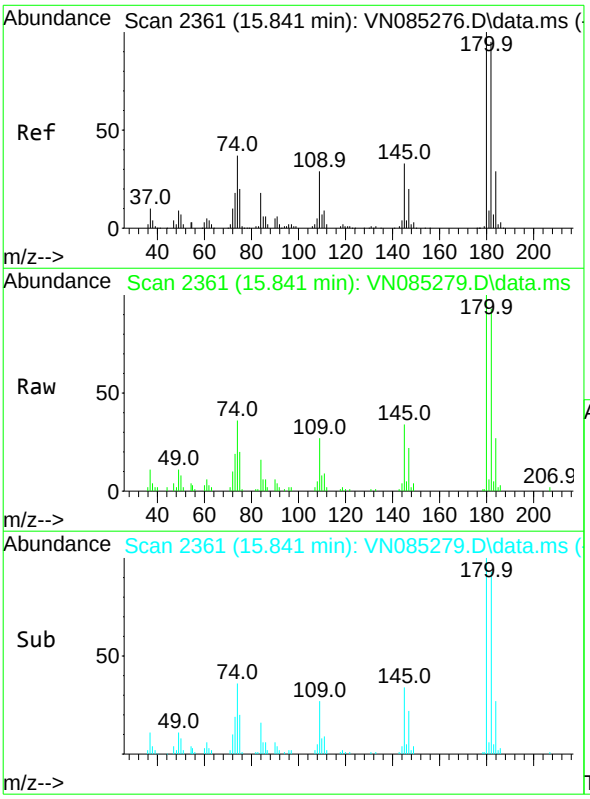
#91
Naphthalene
Concen: 20.499 ug/l
RT: 15.641 min Scan# 23
Delta R.T. 0.000 min
Lab File: VN085279.D
Acq: 20 Dec 2024 13:08

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS01

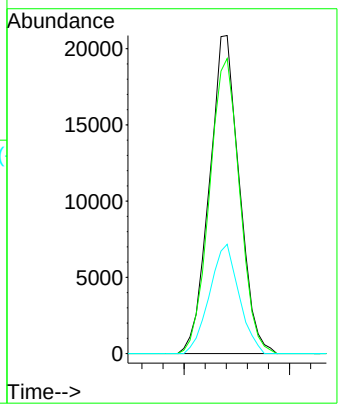
Tgt Ion:128 Resp: 125165

Ion	Ratio	Lower	Upper
128	100		
127	14.1	10.6	16.0
129	10.8	8.6	13.0





#92
1,2,3-Trichlorobenzene
Concen: 21.598 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN085279.D
Acq: 20 Dec 2024 13:08

Tgt Ion:180 Resp: 41045

Ion	Ratio	Lower	Upper
180	100		
182	93.6	0.0	191.2
145	34.0	0.0	68.6