Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031524\
Data File : VN081431.D
Acq On : 15 Mar 2024 17:41
Operator : JC\MD
Sample : P1769-01DL 50X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-2DL

Quant Time: Mar 15 23:36:44 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030524W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 06 03:12:57 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	285043	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	519929	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	448675	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	171462	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	219975	53.374	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.740%			
35) Dibromofluoromethane	8.171	113	167331	52.530	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.060%			
50) Toluene-d8	10.571	98	621970	52.232	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.460%			
62) 4-Bromofluorobenzene	12.853	95	192240	45.677	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 91.360%			
Target Compounds						Qvalue
3) Chloromethane	2.371	50	1082	0.265	ug/l #	43
4) Vinyl Chloride	2.524	62	950	0.223	ug/l	100
5) Bromomethane	2.977	94	1835	0.645	ug/l	87
11) Tert butyl alcohol	5.506	59	218	0.303	ug/l #	72
13) Acrolein	4.183	56	530	0.621	ug/l #	64
16) Acetone	4.436	43	391	0.268	ug/l #	44
17) Carbon Disulfide	4.712	76	3134	0.331	ug/l #	78
20) Methylene Chloride	5.295	84	153	Below Cal	#	28
27) cis-1,2-Dichloroethene	7.483	96	1681	0.396	ug/l	59
31) Cyclohexane	8.230	56	8853	1.419	ug/l #	3
36) 1,1-Dichloropropene	8.230	75	27305	5.313	ug/l #	51
38) Carbon Tetrachloride	8.230	117	32197	6.225	ug/l #	15
40) Benzene	8.612	78	40978	2.671	ug/l	100
44) Trichloroethene	9.359	130	6124	1.583	ug/l	67
52) Toluene	10.635	92	798649	86.189	ug/l	99
53) t-1,3-Dichloropropene	10.635	75	11533	2.022	ug/l #	1
65) Chlorobenzene	11.888	112	45029	4.763	ug/l	97
67) Ethyl Benzene	11.965	91	16268	0.955	ug/l	92
68) m/p-Xylenes	12.071	106	18485	2.884	ug/l	92
69) o-Xylene	12.400	106	5405	0.870	ug/l	91
70) Styrene	12.412	104	5797	0.589	ug/l	94
76) 1,2,3-Trichloropropane	12.853	75	107863	26.634	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	107863	74.330	ug/l #	14
84) 1,2,4-Trimethylbenzene	13.482	105	3013	0.260	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	1347	0.217	ug/l	86
88) 1,4-Dichlorobenzene	13.729	146	1347	0.217	ug/l	88
91) 1,2-Dichlorobenzene	14.106	146	1747	0.294	ug/l	89
93) 1,2,4-Trichlorobenzene	15.400	180	1401	0.441	ug/l	84
94) Hexachlorobutadiene	15.511	225	444	0.338	ug/l #	30
95) Naphthalene	15.641	128	4352	0.385	ug/l #	91
96) 1,2,3-Trichlorobenzene	15.835	180	1156	0.359	ug/l	84

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

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Instrument :
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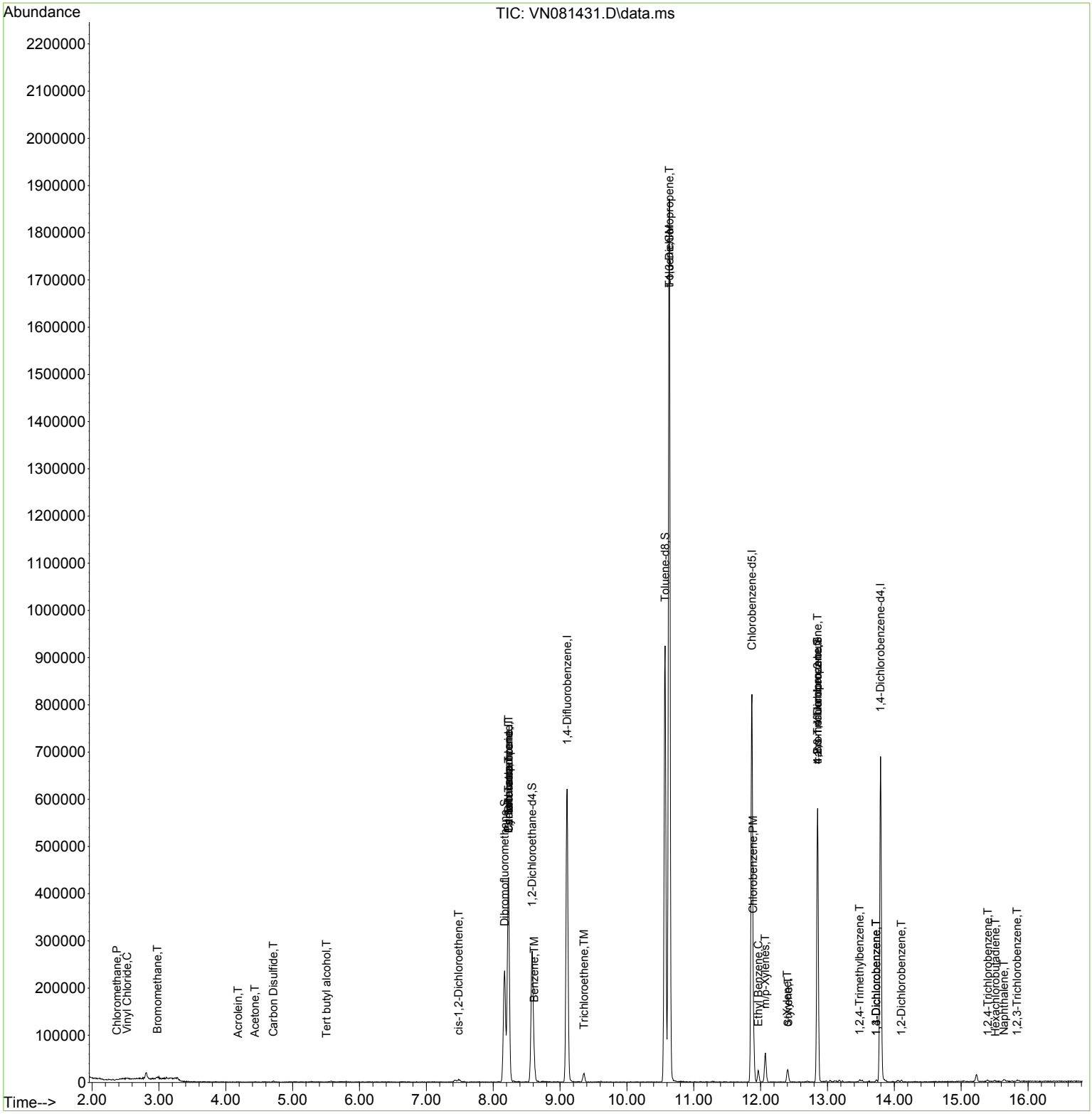
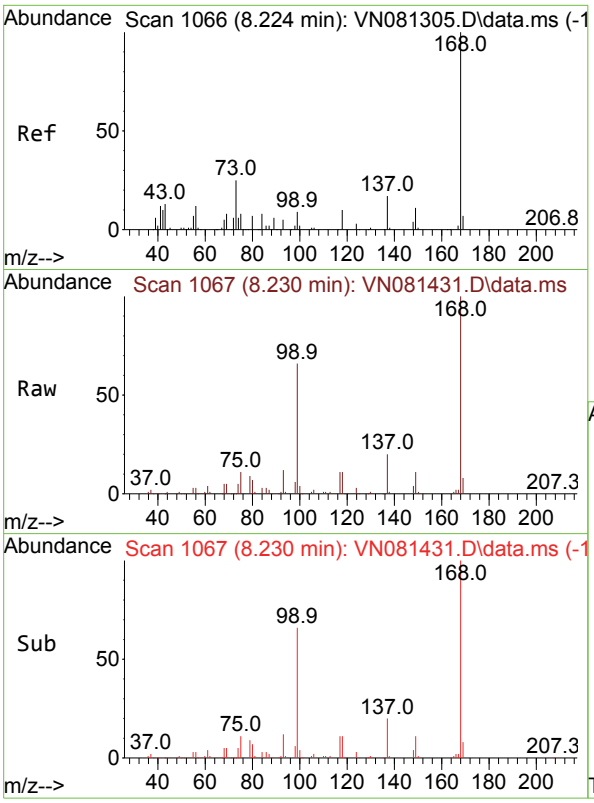
MW-2DL

Quant Time: Mar 15 23:36:44 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030524W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 06 03:12:57 2024
Response via : Initial Calibration



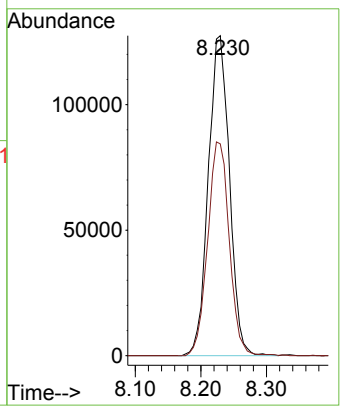


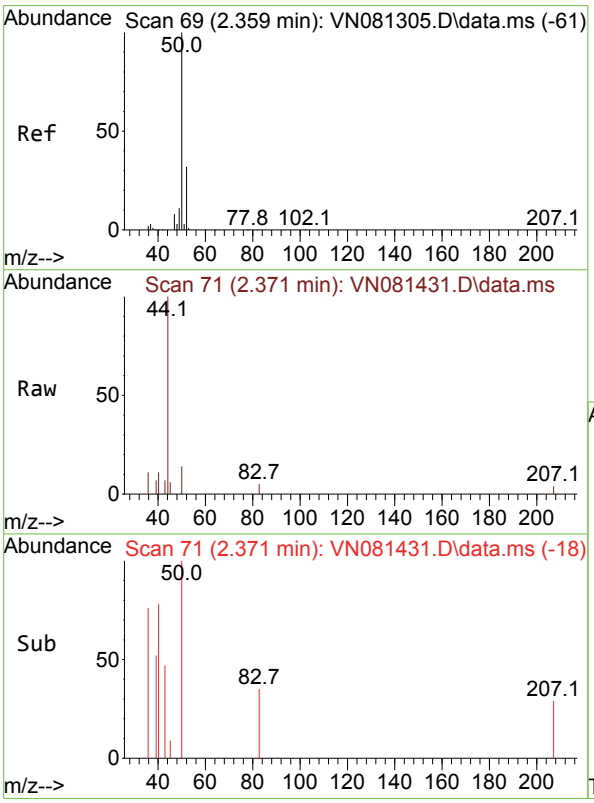
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN081431.D
Acq: 15 Mar 2024 17:41

Instrument :
MSVOA_N
ClientSampleId :
MW-2DL

Tgt Ion:168 Resp: 285043

Ion	Ratio	Lower	Upper
168	100		
99	66.2	59.9	89.9

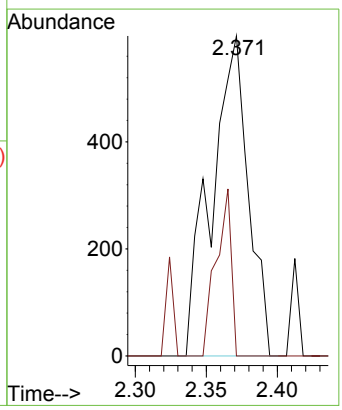


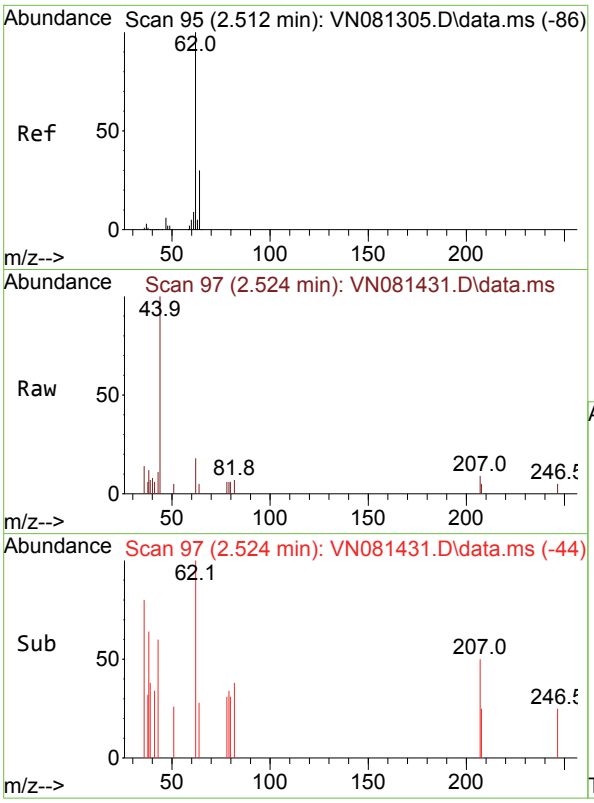


#3
Chloromethane
Concen: 0.265 ug/l
RT: 2.371 min Scan# 71
Delta R.T. 0.012 min
Lab File: VN081431.D
Acq: 15 Mar 2024 17:41

Tgt Ion: 50 Resp: 1082

Ion	Ratio	Lower	Upper
50	100		
52	0.0	25.0	37.4#



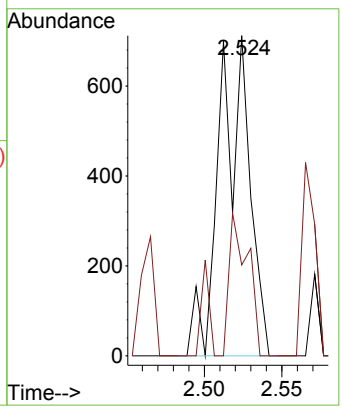


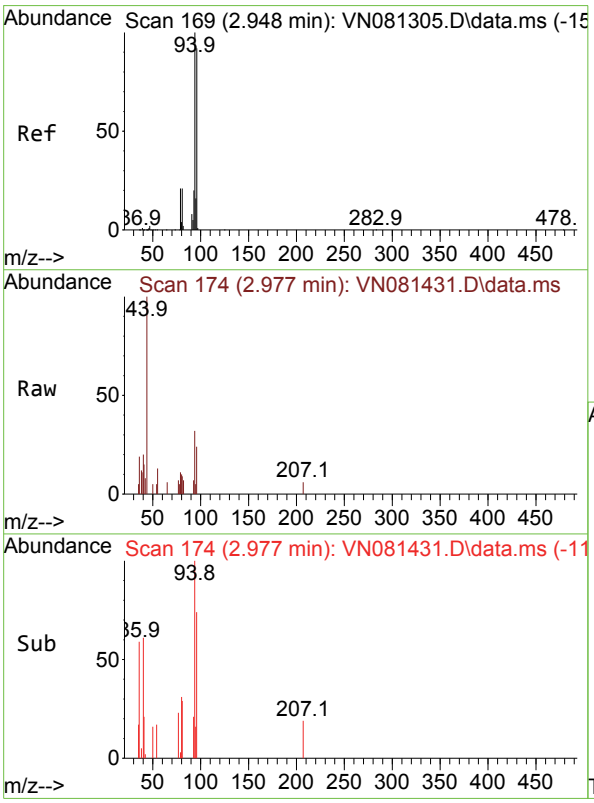
#4
Vinyl Chloride
Concen: 0.223 ug/l
RT: 2.524 min Scan# 9
Delta R.T. 0.012 min
Lab File: VN081431.D
Acq: 15 Mar 2024 17:41

Instrument :
MSVOA_N
ClientSampleId :
MW-2DL

Tgt Ion: 62 Resp: 950

Ion	Ratio	Lower	Upper
62	100		
64	28.4	22.7	34.1

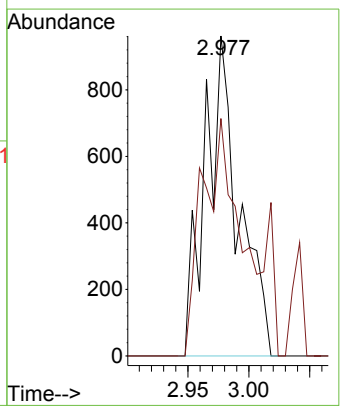


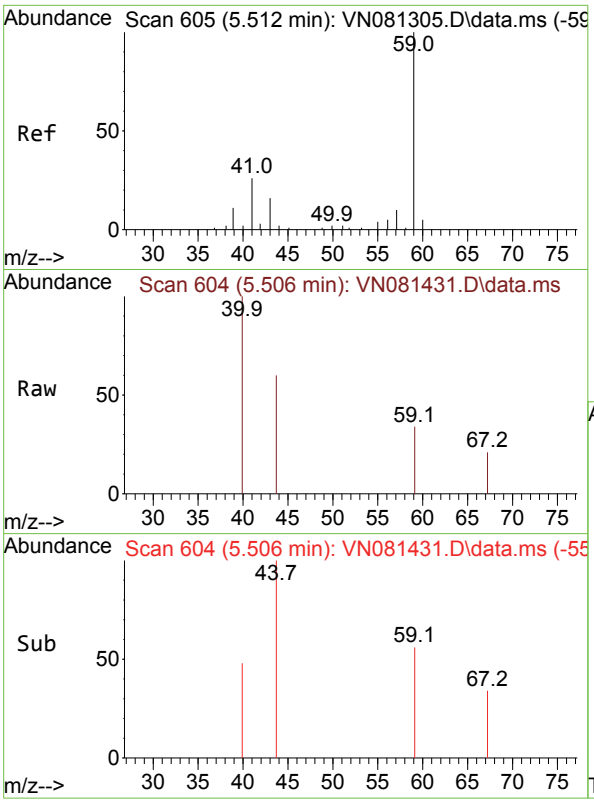


#5
Bromomethane
Concen: 0.645 ug/l
RT: 2.977 min Scan# 174
Delta R.T. 0.029 min
Lab File: VN081431.D
Acq: 15 Mar 2024 17:41

Tgt Ion: 94 Resp: 1835

Ion	Ratio	Lower	Upper
94	100		
96	74.2	69.2	103.8



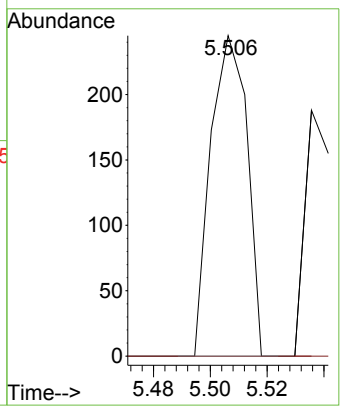


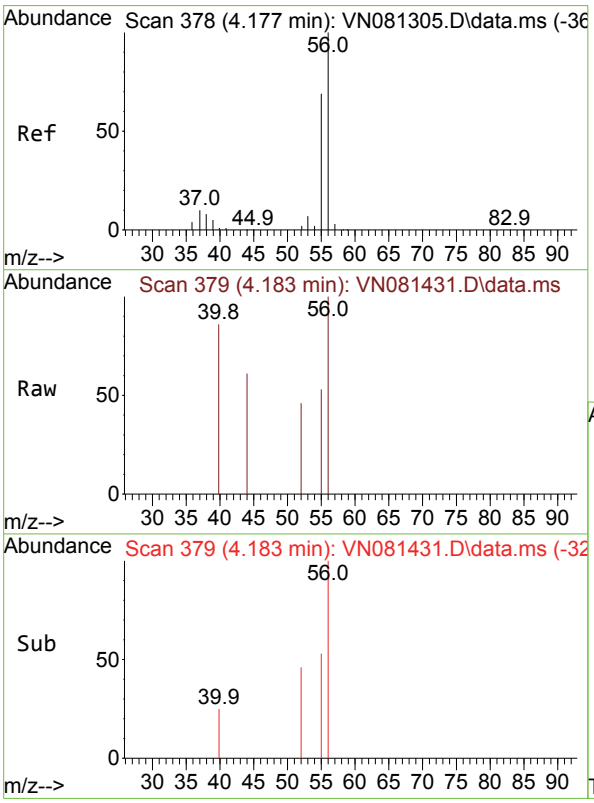
#11
Tert butyl alcohol
Concen: 0.303 ug/l
RT: 5.506 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN081431.D
Acq: 15 Mar 2024 17:41

Instrument :
MSVOA_N
ClientSampleId :
MW-2DL

Tgt Ion: 59 Resp: 218

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.6	12.8#

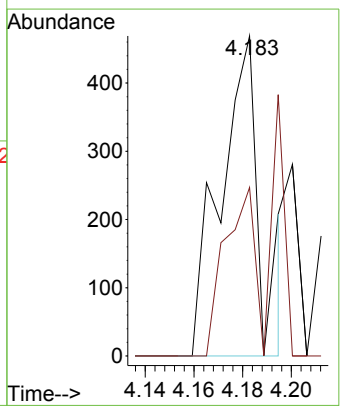


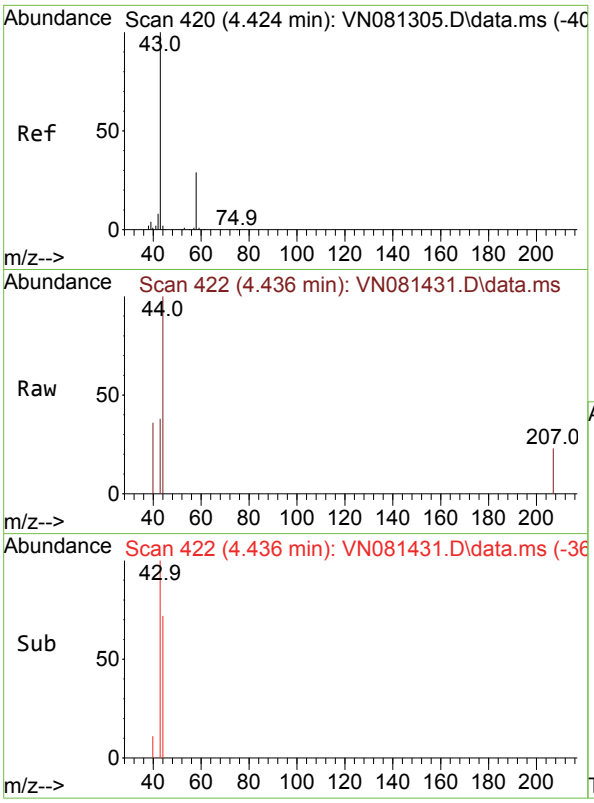


#13
Acrolein
Concen: 0.621 ug/l
RT: 4.183 min Scan# 379
Delta R.T. 0.006 min
Lab File: VN081431.D
Acq: 15 Mar 2024 17:41

Tgt Ion: 56 Resp: 530

Ion	Ratio	Lower	Upper
56	100		
55	39.8	55.3	82.9#



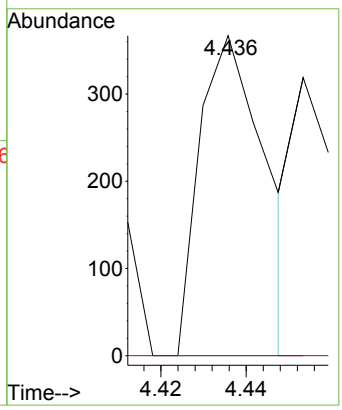


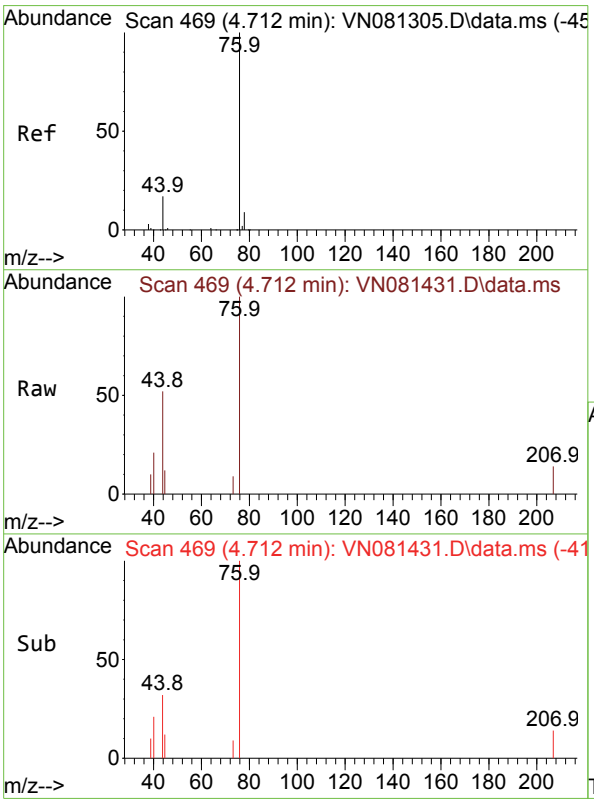
#16
Acetone
Concen: 0.268 ug/l
RT: 4.436 min Scan# 4
Delta R.T. 0.012 min
Lab File: VN081431.D
Acq: 15 Mar 2024 17:41

Instrument :
MSVOA_N
ClientSampleId :
MW-2DL

Tgt Ion: 43 Resp: 391

Ion	Ratio	Lower	Upper
43	100		
58	0.0	24.8	37.2#

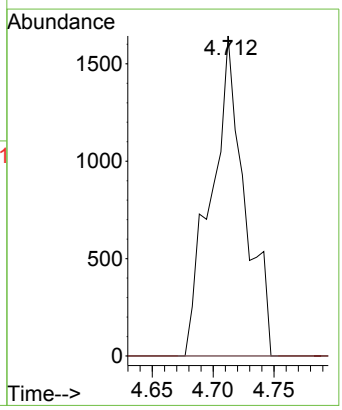


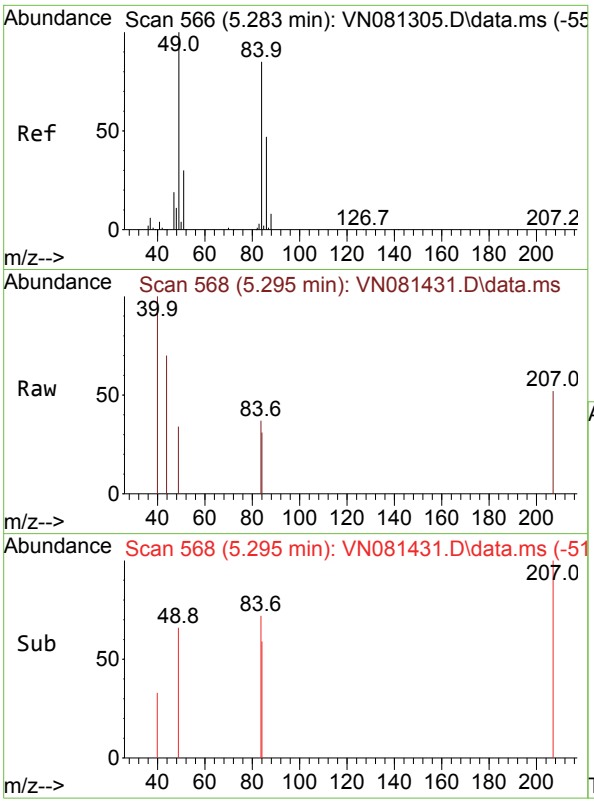


#17
Carbon Disulfide
Concen: 0.331 ug/l
RT: 4.712 min Scan# 469
Delta R.T. 0.000 min
Lab File: VN081431.D
Acq: 15 Mar 2024 17:41

Tgt Ion: 76 Resp: 3134

Ion	Ratio	Lower	Upper
76	100		
78	0.0	6.3	9.5#



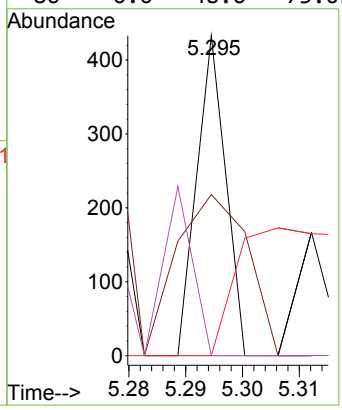


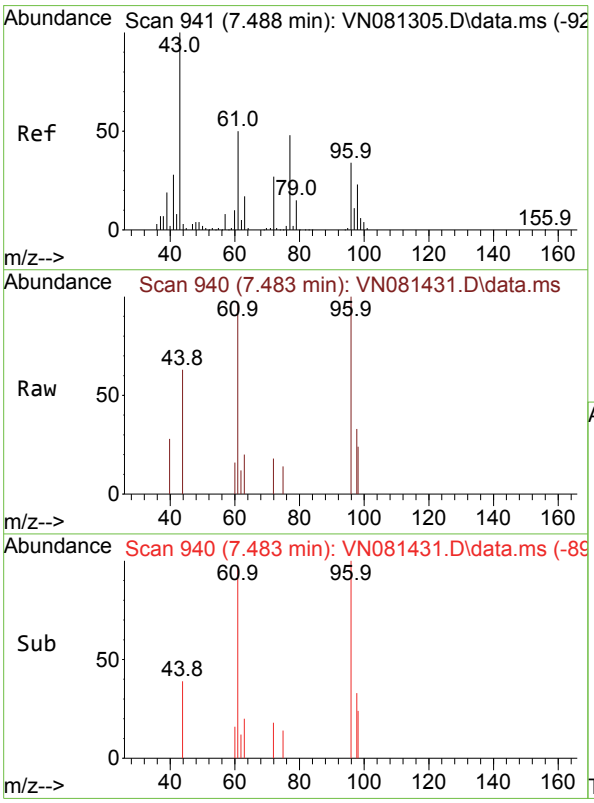
#20
Methylene Chloride
Concen: Below Cal
RT: 5.295 min Scan# 5
Delta R.T. 0.011 min
Lab File: VN081431.D
Acq: 15 Mar 2024 17:41

Instrument :
MSVOA_N
ClientSampleId :
MW-2DL

Tgt Ion: 84 Resp: 153

Ion	Ratio	Lower	Upper
84	100		
49	50.3	108.1	162.1#
51	0.0	32.9	49.3#
86	0.0	48.6	73.0#

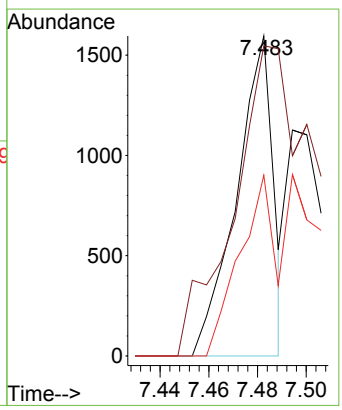


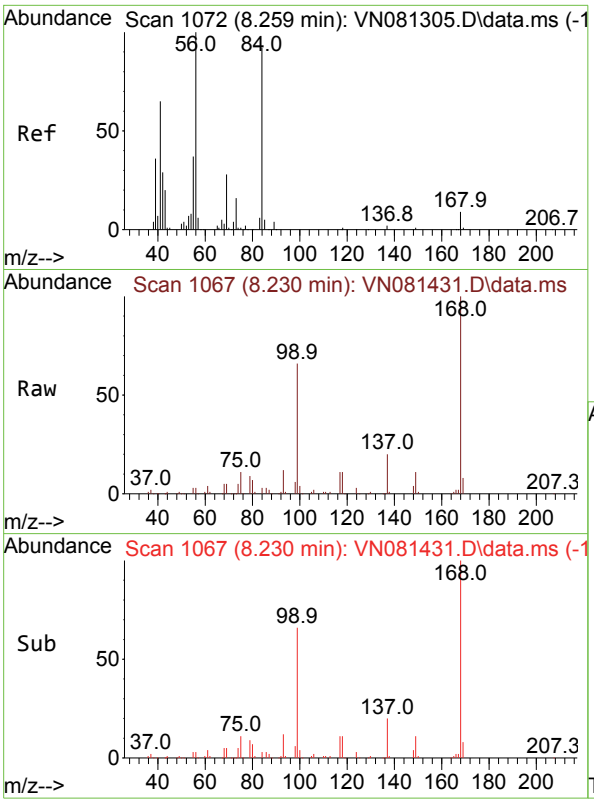


#27
cis-1,2-Dichloroethene
Concen: 0.396 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.006 min
Lab File: VN081431.D
Acq: 15 Mar 2024 17:41

Tgt Ion: 96 Resp: 1681

Ion	Ratio	Lower	Upper
96	100		
61	230.6	0.0	325.4
98	53.3	0.0	130.4



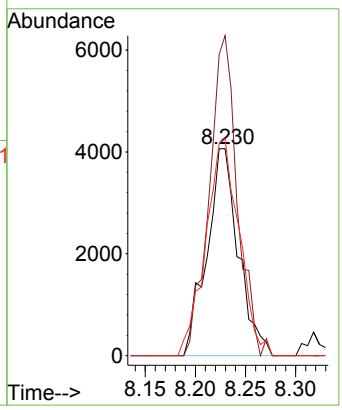


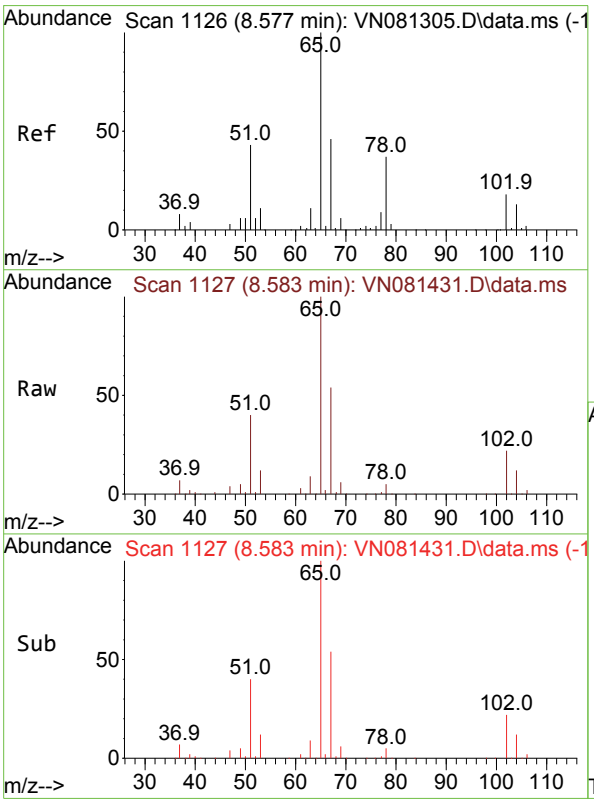
#31
Cyclohexane
Concen: 1.419 ug/l
RT: 8.230 min Scan# 1
Delta R.T. -0.029 min
Lab File: VN081431.D
Acq: 15 Mar 2024 17:41

Instrument :
MSVOA_N
ClientSampleId :
MW-2DL

Tgt Ion: 56 Resp: 8853

Ion	Ratio	Lower	Upper
56	100		
69	154.6	20.1	30.1#
84	104.8	56.9	85.3#

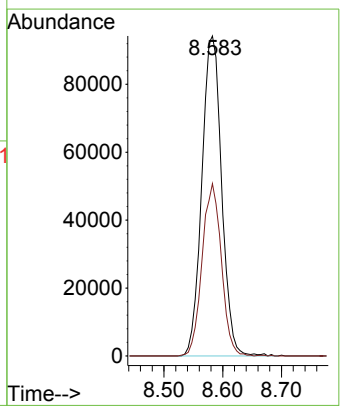


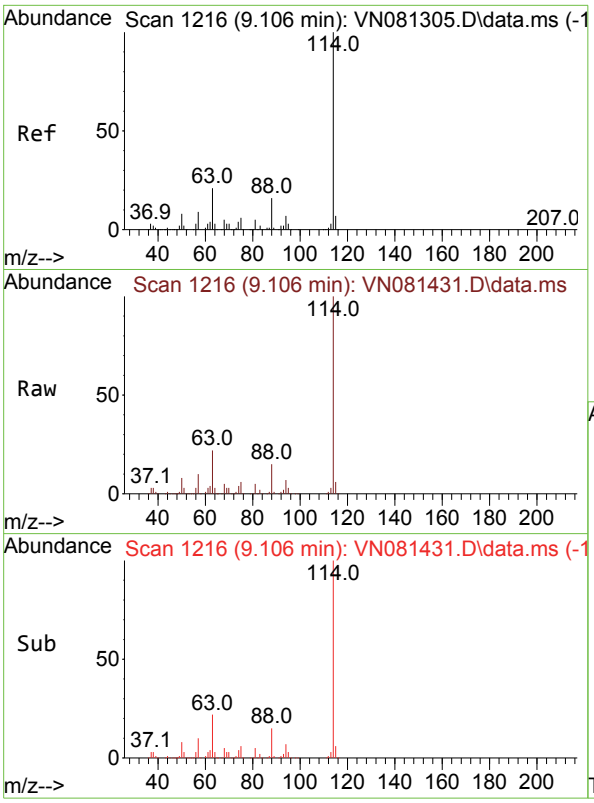


#33
1,2-Dichloroethane-d4
Concen: 53.374 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN081431.D
Acq: 15 Mar 2024 17:41

Tgt Ion: 65 Resp: 219975

Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	102.4



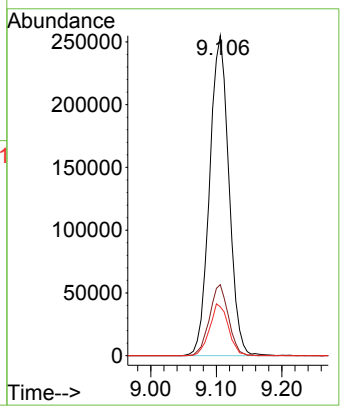


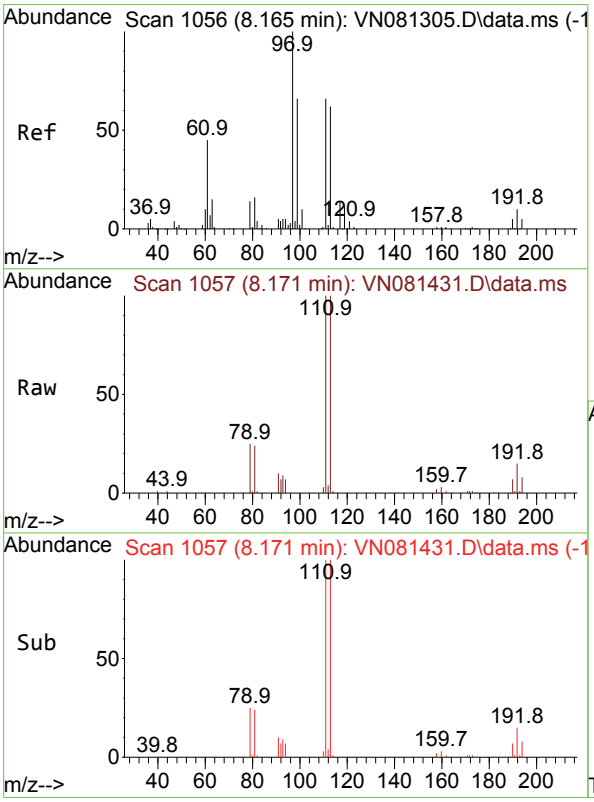
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN081431.D
Acq: 15 Mar 2024 17:41

Instrument :
MSVOA_N
ClientSampleId :
MW-2DL

Tgt Ion:114 Resp: 519929

Ion	Ratio	Lower	Upper
114	100		
63	22.2	0.0	48.0
88	15.3	0.0	34.8

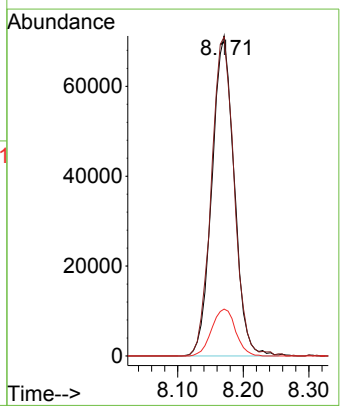


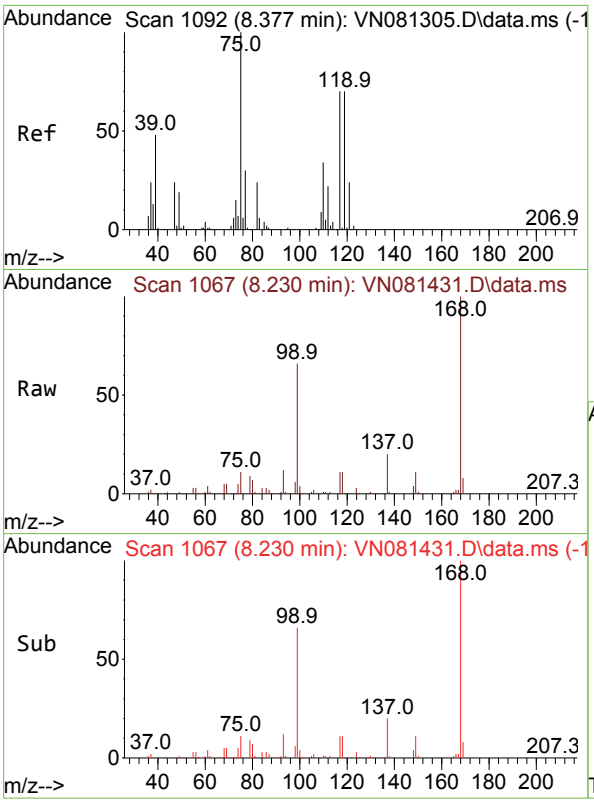


#35
Dibromofluoromethane
Concen: 52.530 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN081431.D
Acq: 15 Mar 2024 17:41

Tgt Ion:113 Resp: 167331

Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.2	123.4
192	15.7	12.5	18.7



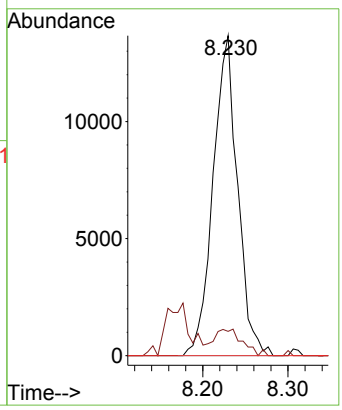


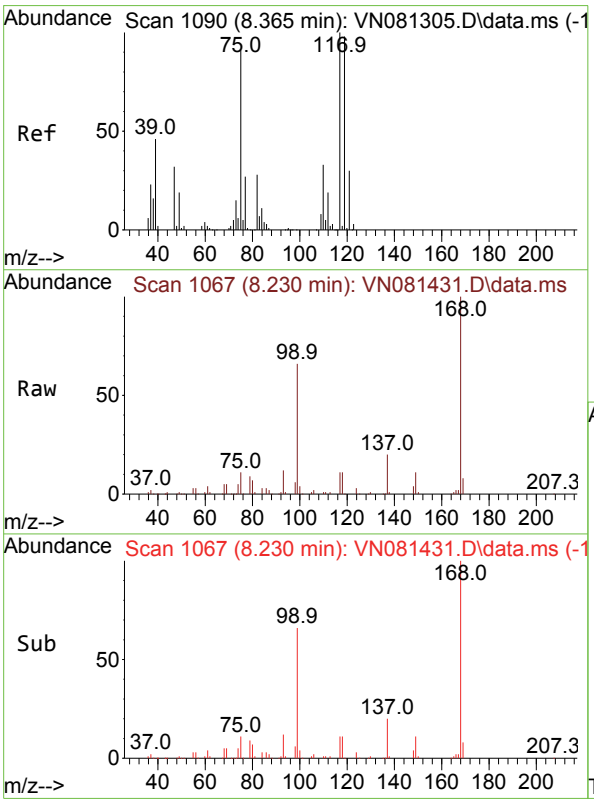
#36
1,1-Dichloropropene
Concen: 5.313 ug/l
RT: 8.230 min Scan# 1
Delta R.T. -0.147 min
Lab File: VN081431.D
Acq: 15 Mar 2024 17:41

Instrument :
MSVOA_N
ClientSampleId :
MW-2DL

Tgt Ion: 75 Resp: 27305

Ion	Ratio	Lower	Upper
75	100		
110	9.3	16.0	48.0#
77	0.0	25.8	38.6#

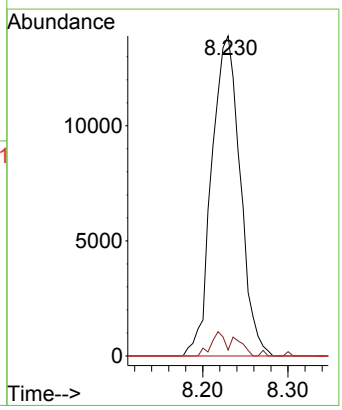


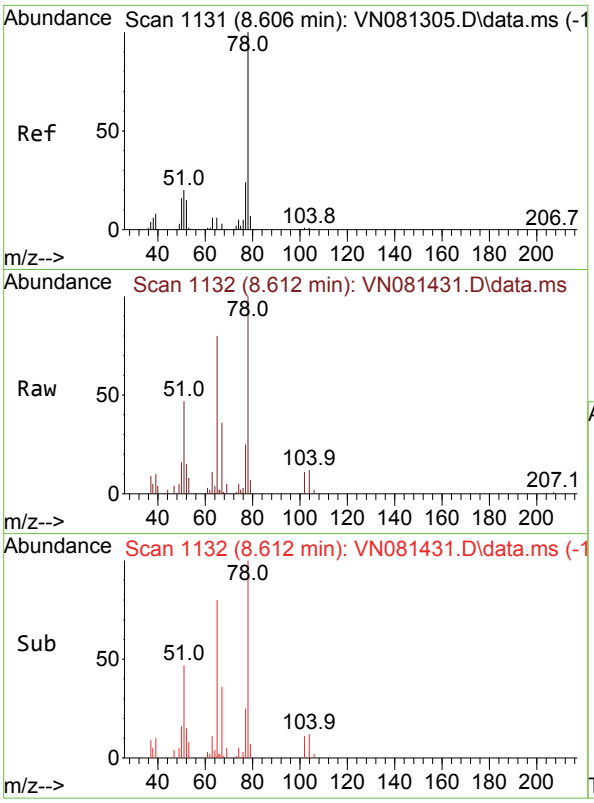


#38
Carbon Tetrachloride
Concen: 6.225 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.135 min
Lab File: VN081431.D
Acq: 15 Mar 2024 17:41

Tgt Ion:117 Resp: 32197

Ion	Ratio	Lower	Upper
117	100		
119	1.9	73.4	110.2#
121	0.0	24.4	36.6#



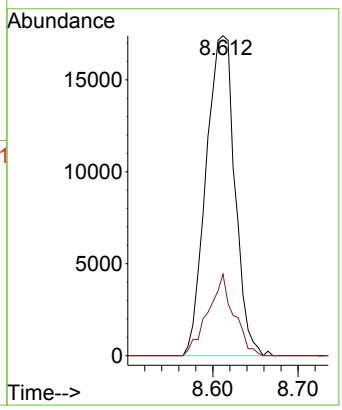


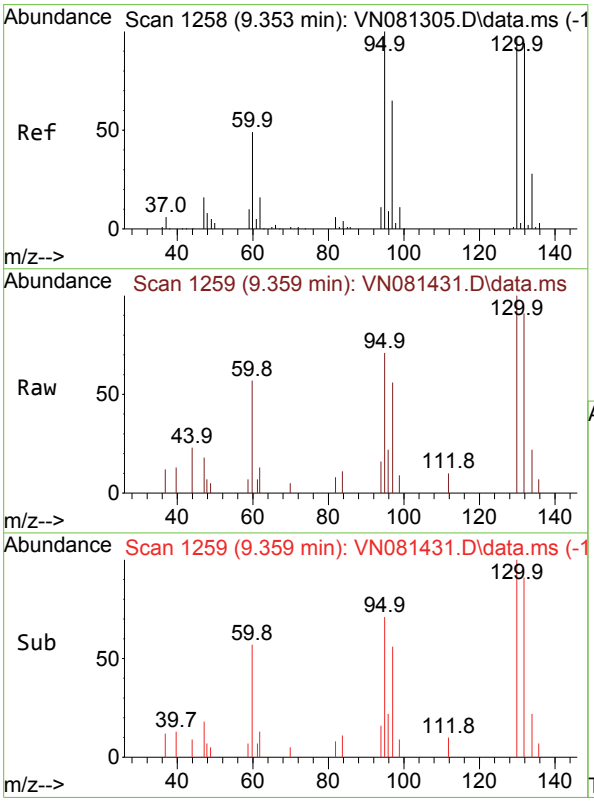
#40
Benzene
Concen: 2.671 ug/l
RT: 8.612 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN081431.D
Acq: 15 Mar 2024 17:41

Instrument :
MSVOA_N
ClientSampleId :
MW-2DL

Tgt Ion: 78 Resp: 40978

Ion	Ratio	Lower	Upper
78	100		
77	25.5	20.4	30.6

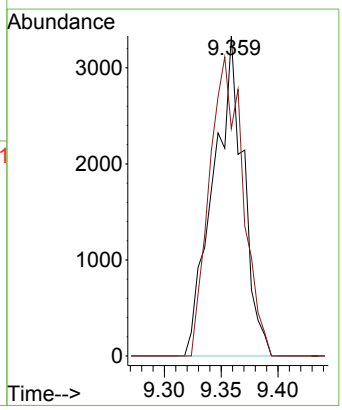


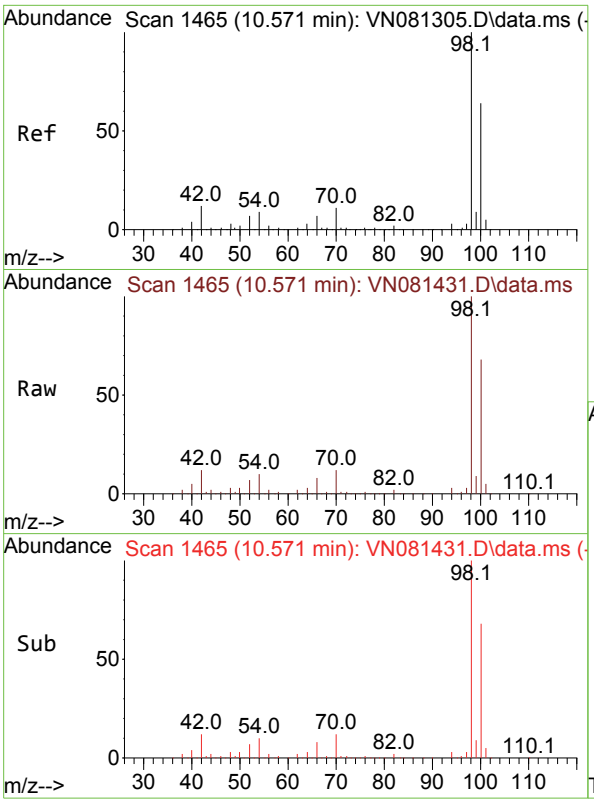


#44
Trichloroethene
Concen: 1.583 ug/l
RT: 9.359 min Scan# 1259
Delta R.T. 0.006 min
Lab File: VN081431.D
Acq: 15 Mar 2024 17:41

Tgt Ion:130 Resp: 6124

Ion	Ratio	Lower	Upper
130	100		
95	71.1	0.0	210.4



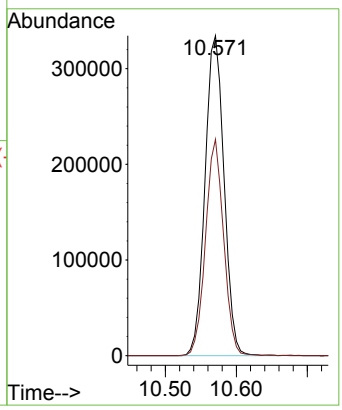


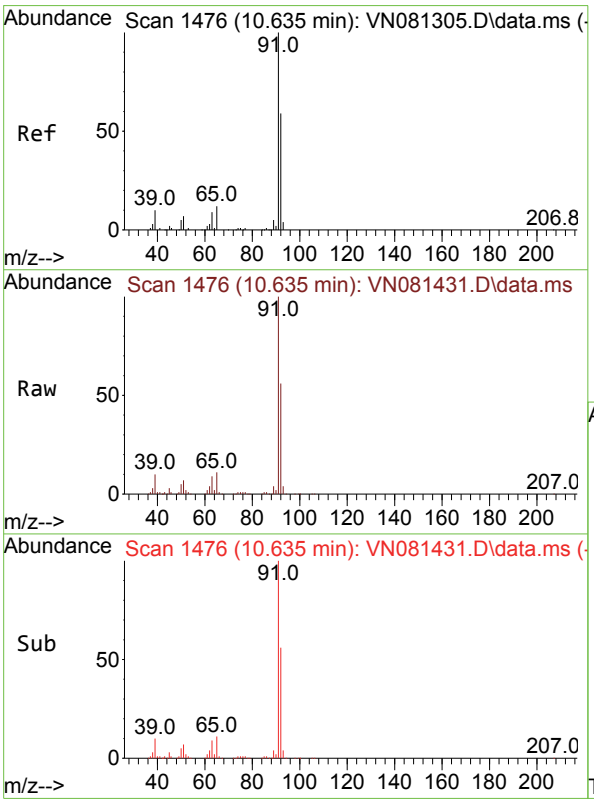
#50
Toluene-d8
Concen: 52.232 ug/l
RT: 10.571 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN081431.D
Acq: 15 Mar 2024 17:41

Instrument :
MSVOA_N
ClientSampleId :
MW-2DL

Tgt Ion: 98 Resp: 621970

Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.4	77.0

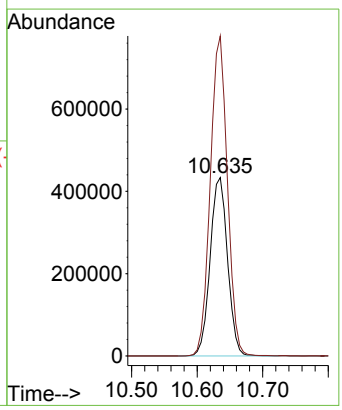


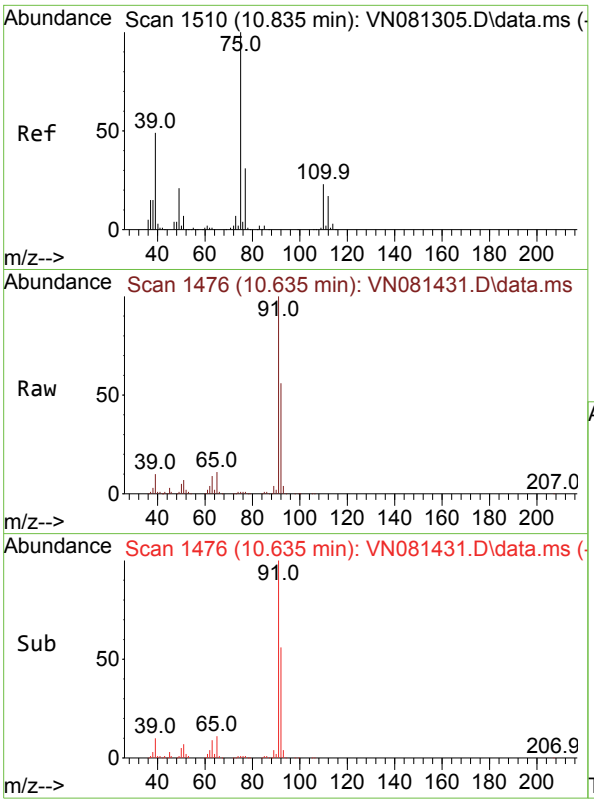


#52
Toluene
Concen: 86.189 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VN081431.D
Acq: 15 Mar 2024 17:41

Tgt Ion: 92 Resp: 798649

Ion	Ratio	Lower	Upper
92	100		
91	175.9	139.4	209.0



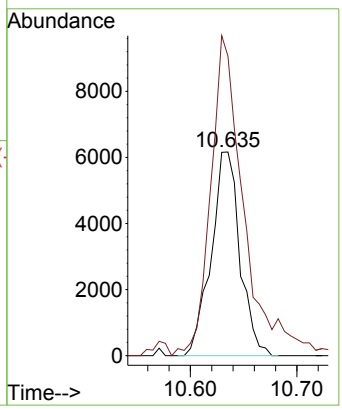


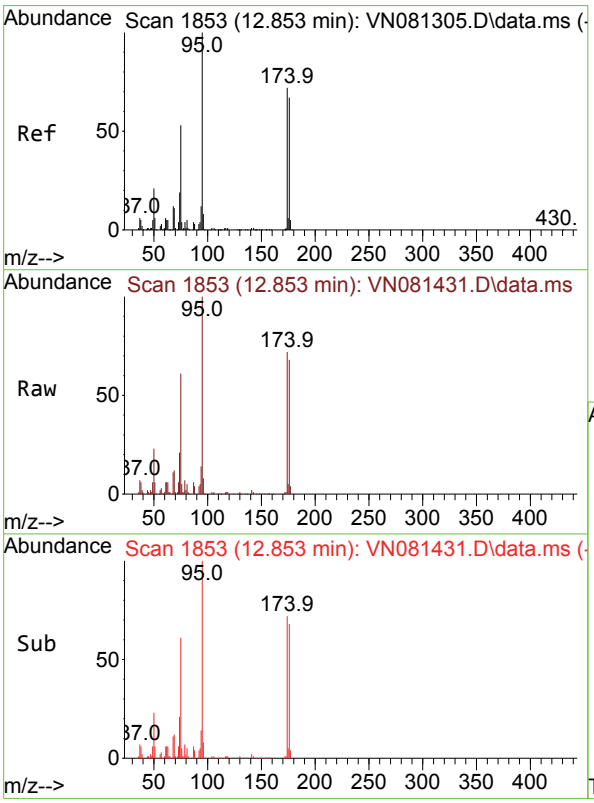
#53
t-1,3-Dichloropropene
Concen: 2.022 ug/l
RT: 10.635 min Scan# 14
Delta R.T. -0.200 min
Lab File: VN081431.D
Acq: 15 Mar 2024 17:41

Instrument :
MSVOA_N
ClientSampleId :
MW-2DL

Tgt Ion: 75 Resp: 11533

Ion	Ratio	Lower	Upper
75	100		
77	143.6	25.5	38.3#

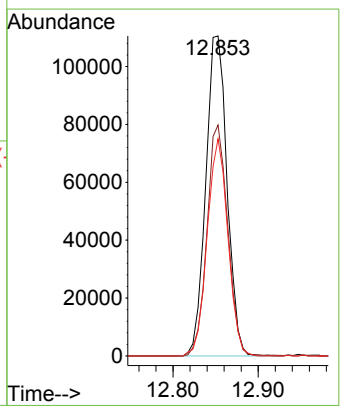


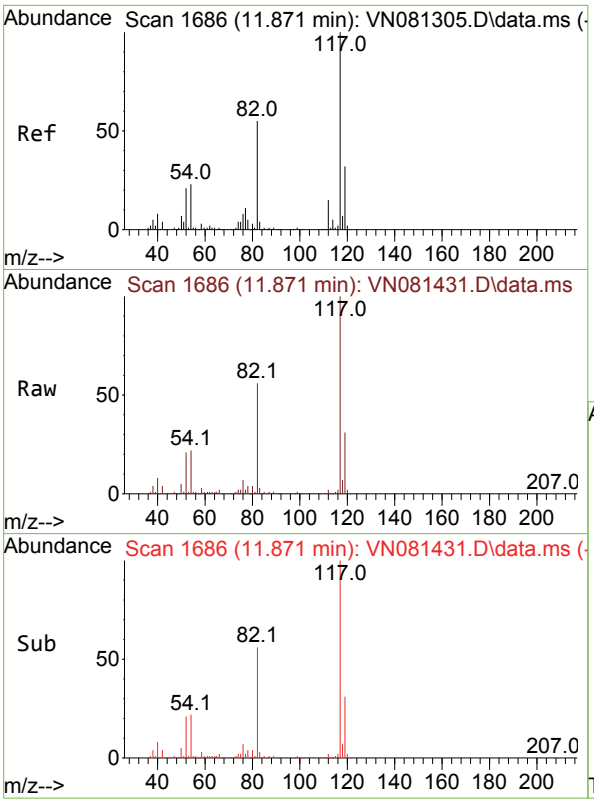


#62
4-Bromofluorobenzene
Concen: 45.677 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN081431.D
Acq: 15 Mar 2024 17:41

Tgt Ion: 95 Resp: 192240

Ion	Ratio	Lower	Upper
95	100		
174	70.6	0.0	120.4
176	65.7	0.0	121.0



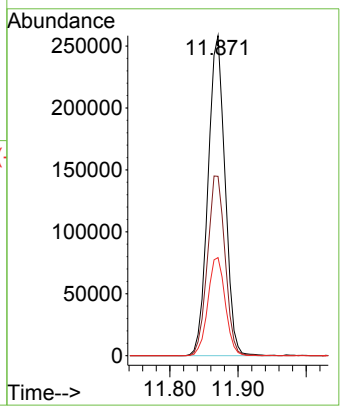


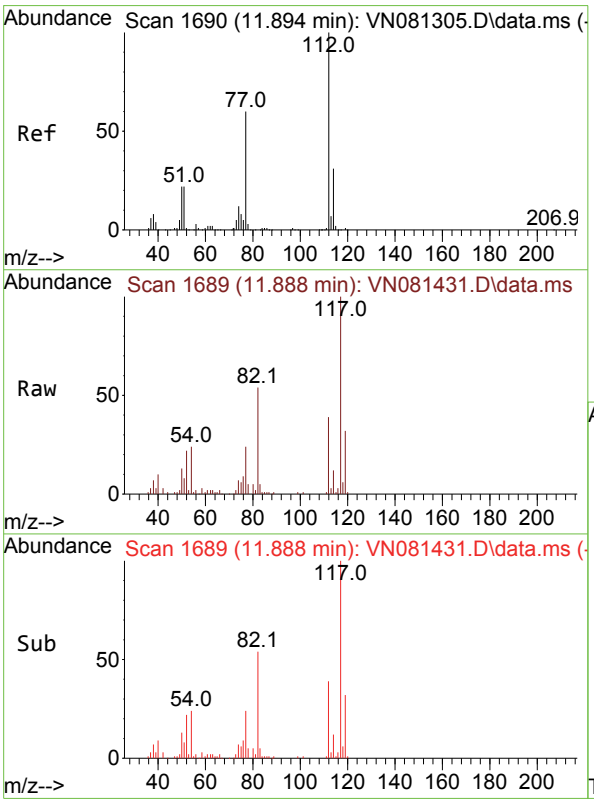
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN081431.D
Acq: 15 Mar 2024 17:41

Instrument :
MSVOA_N
ClientSampleId :
MW-2DL

Tgt Ion:117 Resp: 448675

Ion	Ratio	Lower	Upper
117	100		
82	56.0	52.7	79.1
119	30.6	25.3	37.9

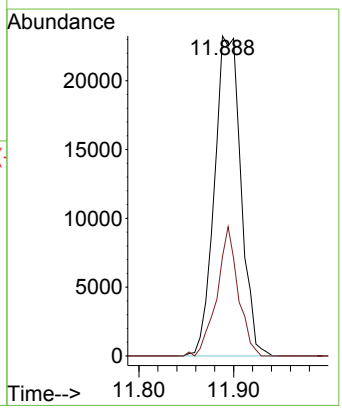


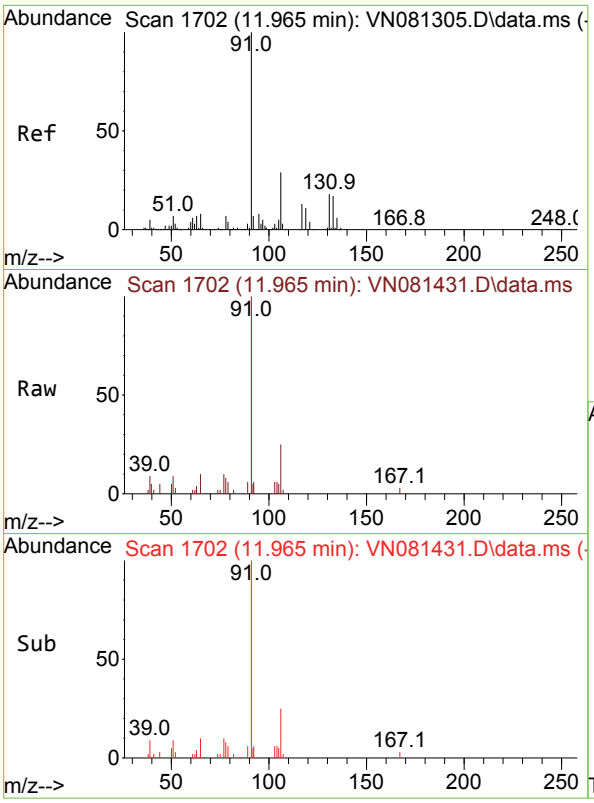


#65
Chlorobenzene
Concen: 4.763 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. -0.006 min
Lab File: VN081431.D
Acq: 15 Mar 2024 17:41

Tgt Ion:112 Resp: 45029

Ion	Ratio	Lower	Upper
112	100		
114	31.1	23.7	35.5



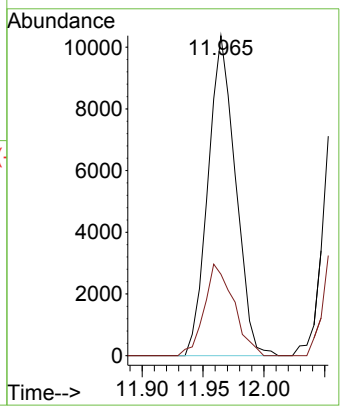


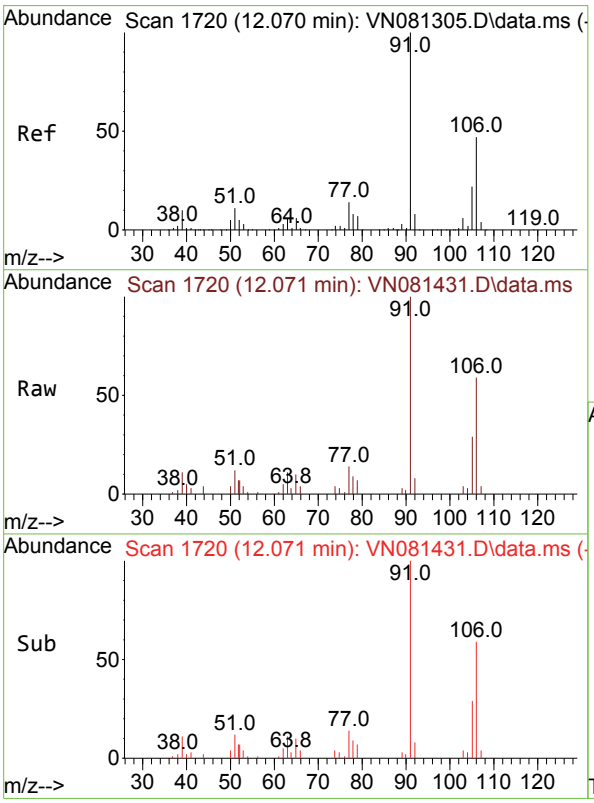
#67
Ethyl Benzene
Concen: 0.955 ug/l
RT: 11.965 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN081431.D
Acq: 15 Mar 2024 17:41

Instrument :
MSVOA_N
ClientSampleId :
MW-2DL

Tgt Ion: 91 Resp: 16268

Ion	Ratio	Lower	Upper
91	100		
106	25.5	23.8	35.6

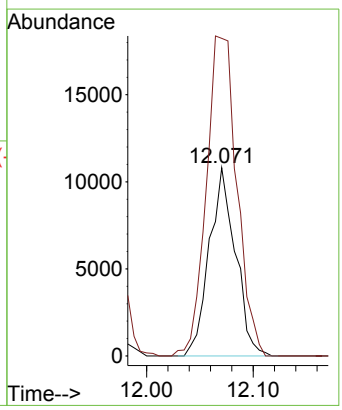


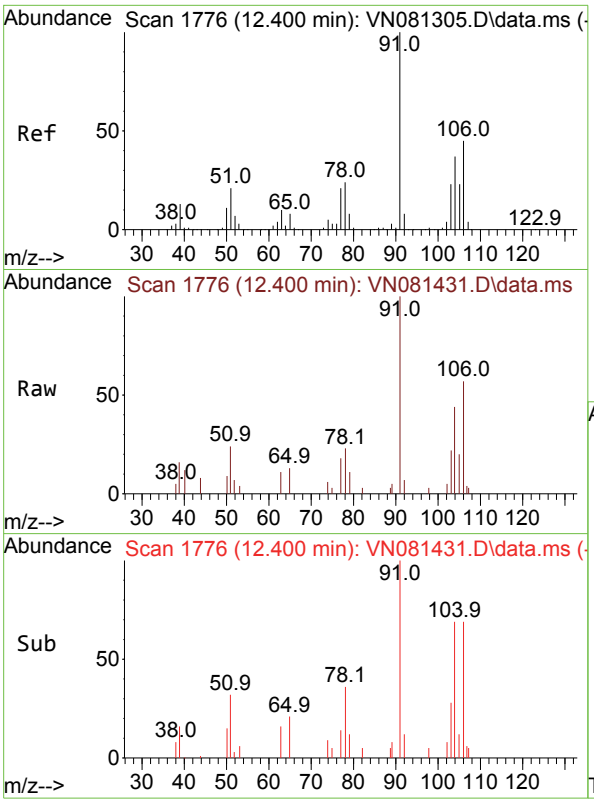


#68
m/p-Xylenes
Concen: 2.884 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN081431.D
Acq: 15 Mar 2024 17:41

Tgt Ion:106 Resp: 18485

Ion	Ratio	Lower	Upper
106	100		
91	198.6	169.0	253.6



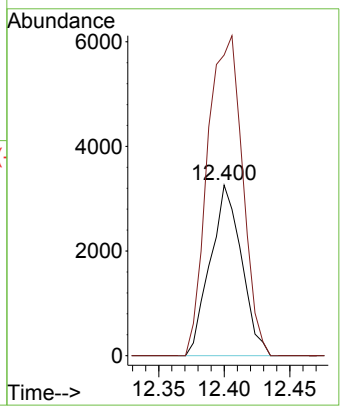


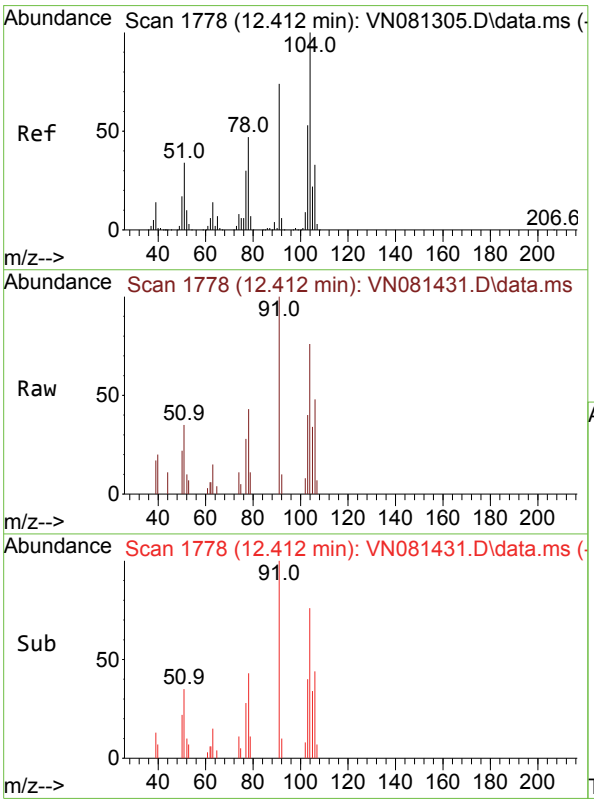
#69
o-Xylene
Concen: 0.870 ug/l
RT: 12.400 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN081431.D
Acq: 15 Mar 2024 17:41

Instrument :
MSVOA_N
ClientSampleId :
MW-2DL

Tgt Ion:106 Resp: 5405

Ion	Ratio	Lower	Upper
106	100		
91	209.7	112.1	336.3

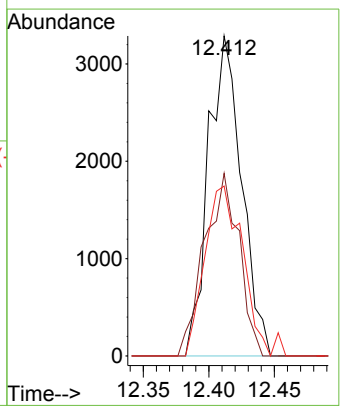


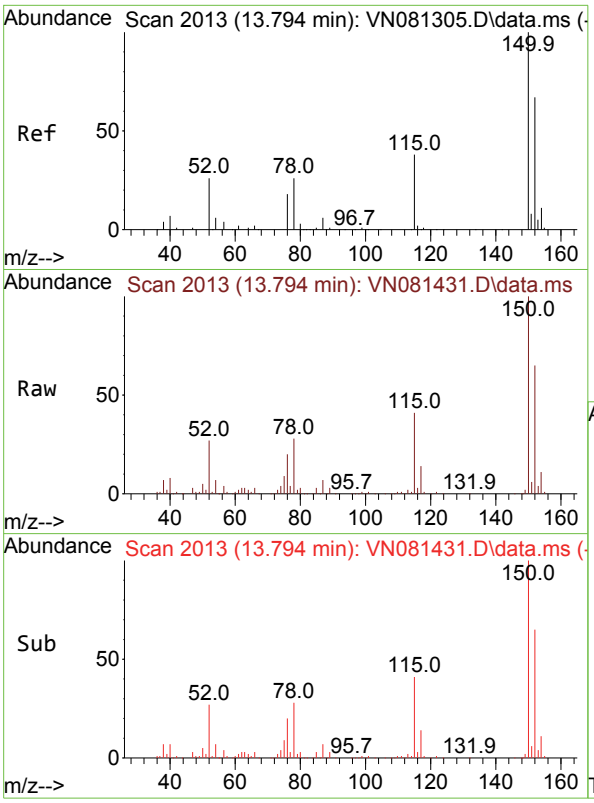


#70
Styrene
Concen: 0.589 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VN081431.D
Acq: 15 Mar 2024 17:41

Tgt Ion:104 Resp: 5797

Ion	Ratio	Lower	Upper
104	100		
78	59.0	43.8	65.8
103	59.9	44.2	66.2



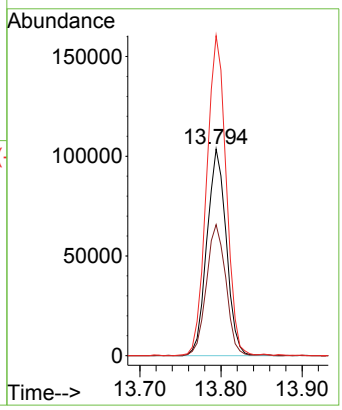


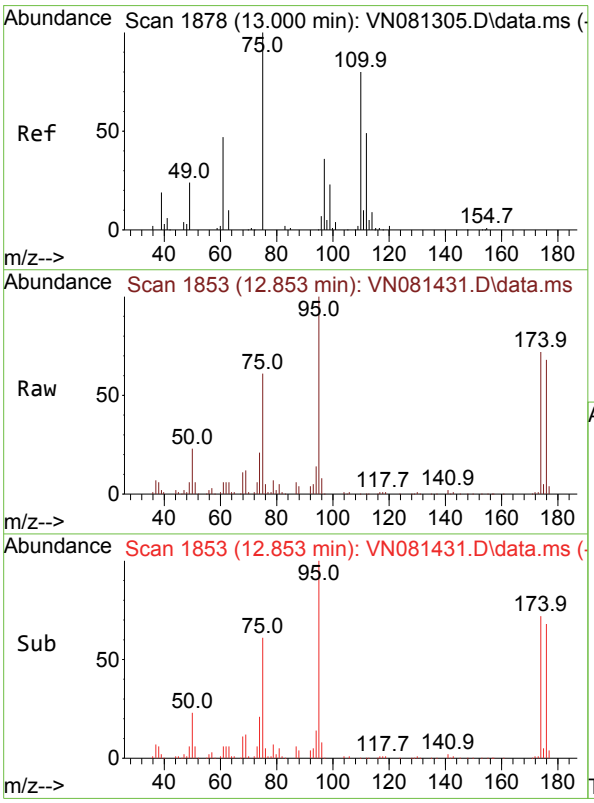
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN081431.D
Acq: 15 Mar 2024 17:41

Instrument :
MSVOA_N
ClientSampleId :
MW-2DL

Tgt Ion:152 Resp: 171462

Ion	Ratio	Lower	Upper
152	100		
115	63.8	32.3	96.8
150	156.5	0.0	339.8

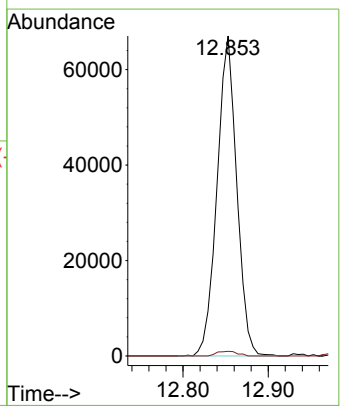


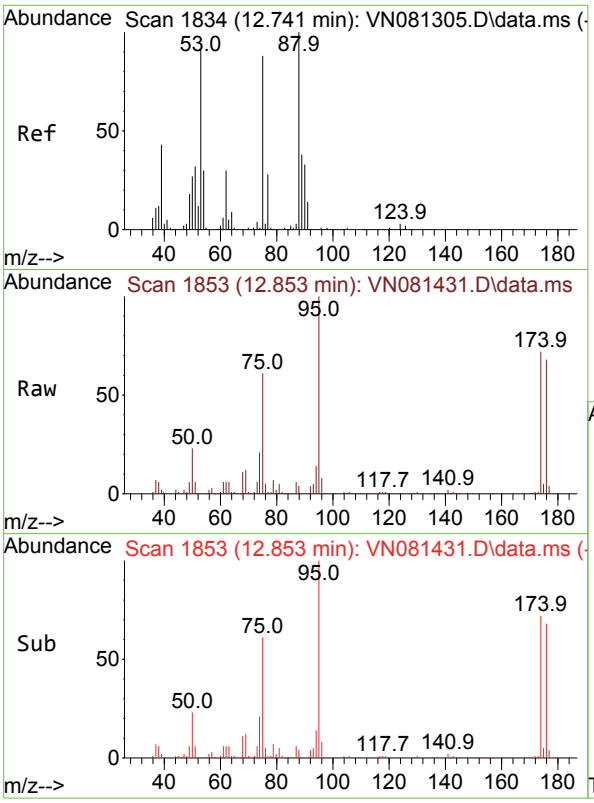


#76
1,2,3-Trichloropropane
Concen: 26.634 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN081431.D
Acq: 15 Mar 2024 17:41

Tgt Ion: 75 Resp: 107863

Ion	Ratio	Lower	Upper
75	100		
77	1.5	91.0	272.8#



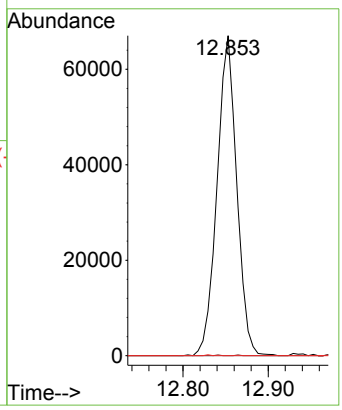


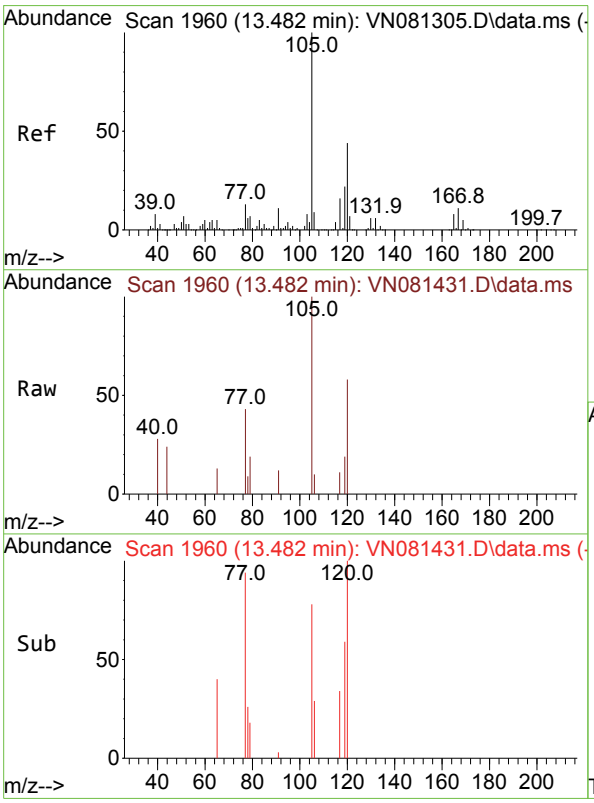
#81
trans-1,4-Dichloro-2-butene
Concen: 74.330 ug/l
RT: 12.853 min Scan# 1
Delta R.T. 0.112 min
Lab File: VN081431.D
Acq: 15 Mar 2024 17:41

Instrument :
MSVOA_N
ClientSampleId :
MW-2DL

Tgt Ion: 75 Resp: 107863

Ion	Ratio	Lower	Upper
75	100		
53	0.1	71.4	107.2#
89	0.0	33.4	50.0#

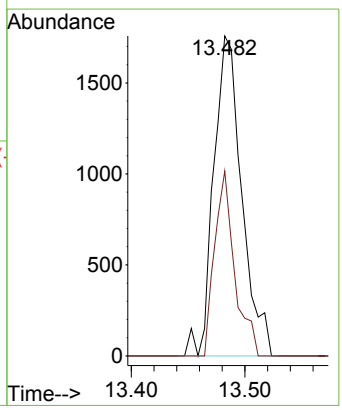


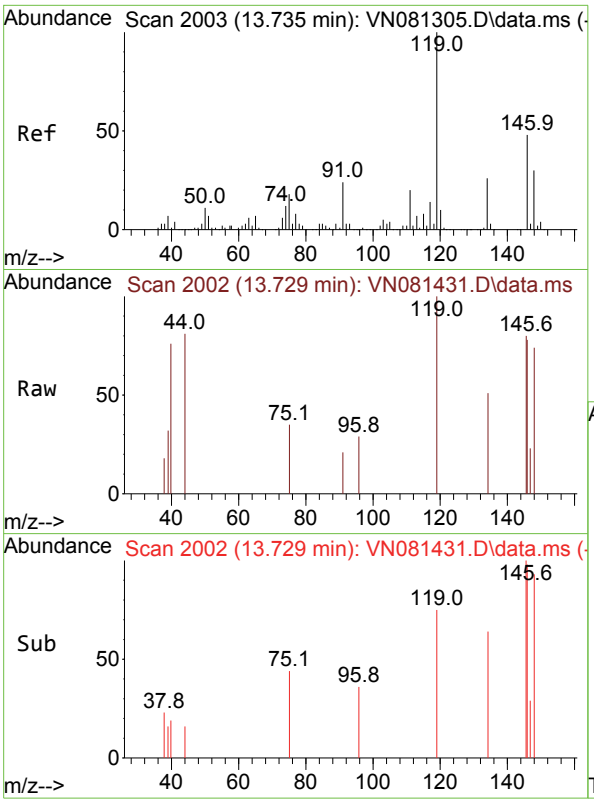


#84
1,2,4-Trimethylbenzene
Concen: 0.260 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN081431.D
Acq: 15 Mar 2024 17:41

Tgt Ion:105 Resp: 3013

Ion	Ratio	Lower	Upper
105	100		
120	41.2	20.9	62.7



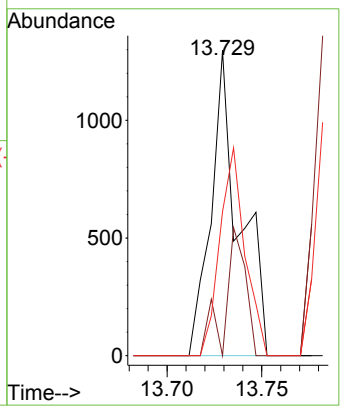


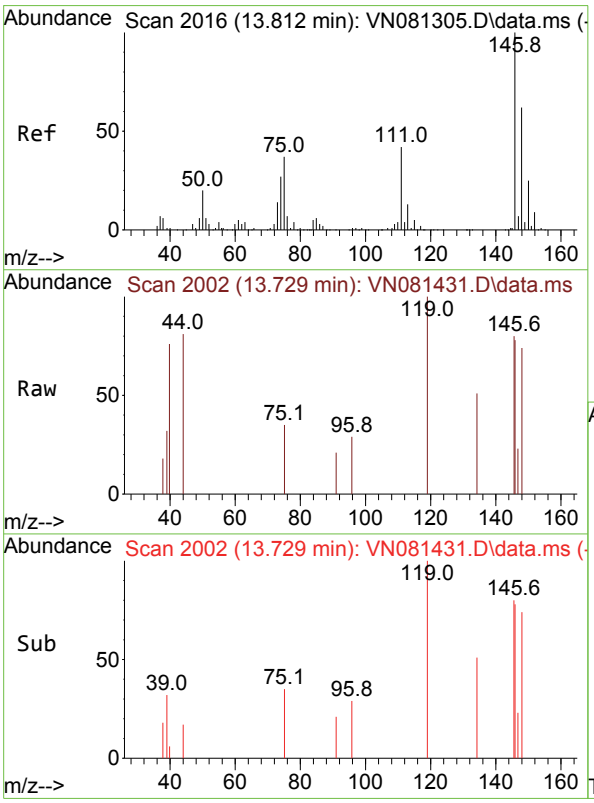
#87
1,3-Dichlorobenzene
Concen: 0.217 ug/l
RT: 13.729 min Scan# 2
Delta R.T. -0.006 min
Lab File: VN081431.D
Acq: 15 Mar 2024 17:41

Instrument :
MSVOA_N
ClientSampleId :
MW-2DL

Tgt Ion:146 Resp: 1347

Ion	Ratio	Lower	Upper
146	100		
111	30.4	23.9	71.7
148	60.4	32.6	97.7

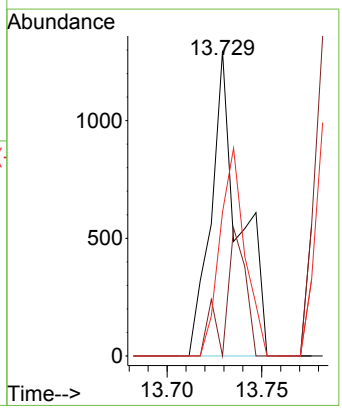


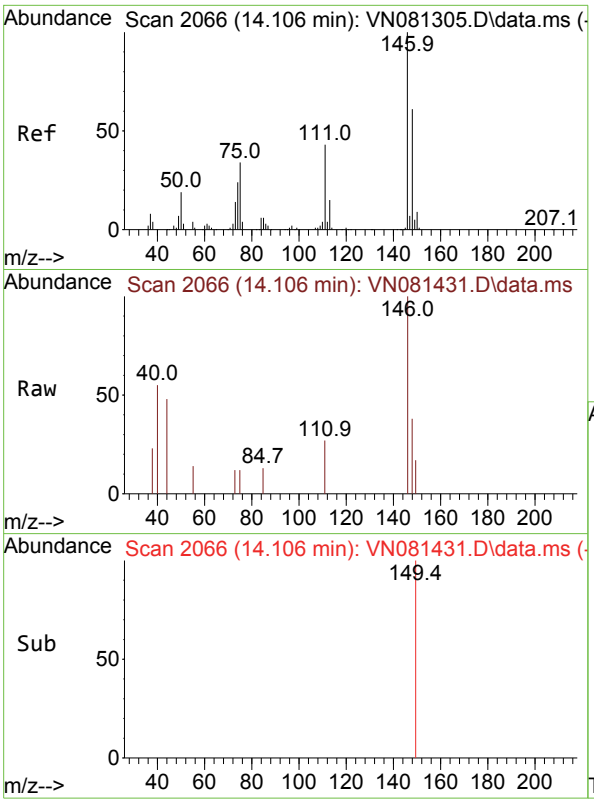


#88
1,4-Dichlorobenzene
Concen: 0.217 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.082 min
Lab File: VN081431.D
Acq: 15 Mar 2024 17:41

Tgt Ion:146 Resp: 1347

Ion	Ratio	Lower	Upper
146	100		
111	30.4	22.6	67.7
148	60.4	31.9	95.5



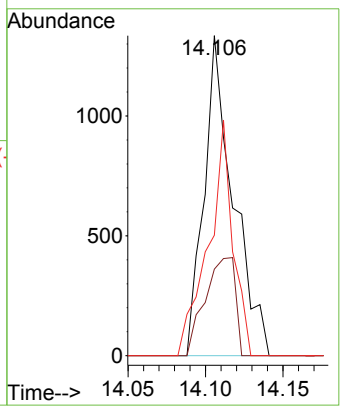


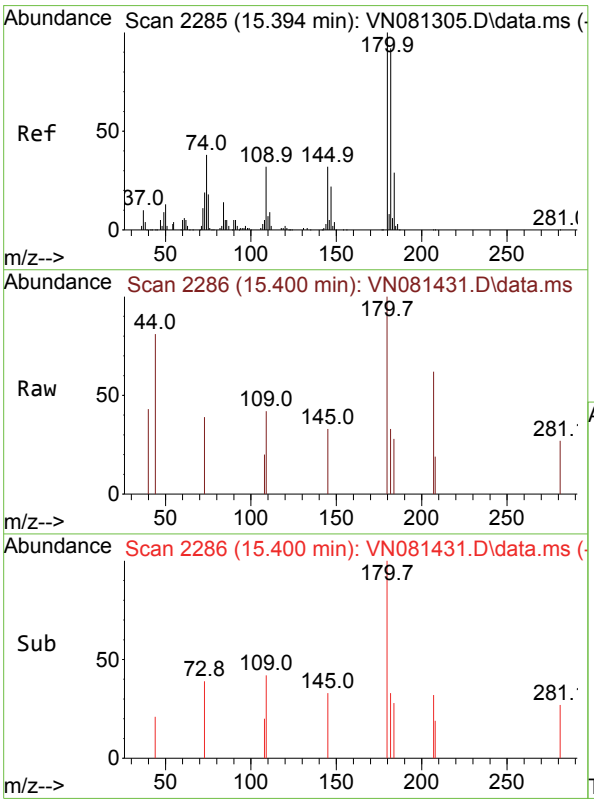
#91
1,2-Dichlorobenzene
Concen: 0.294 ug/l
RT: 14.106 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN081431.D
Acq: 15 Mar 2024 17:41

Instrument :
MSVOA_N
ClientSampleId :
MW-2DL

Tgt Ion:146 Resp: 1747

Ion	Ratio	Lower	Upper
146	100		
111	31.7	23.9	71.8
148	61.4	31.4	94.0

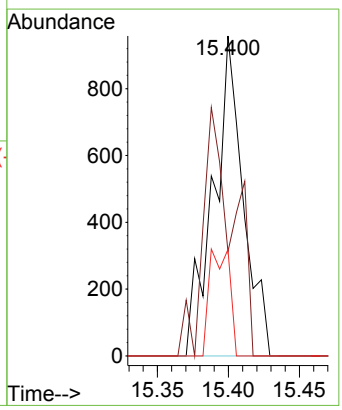


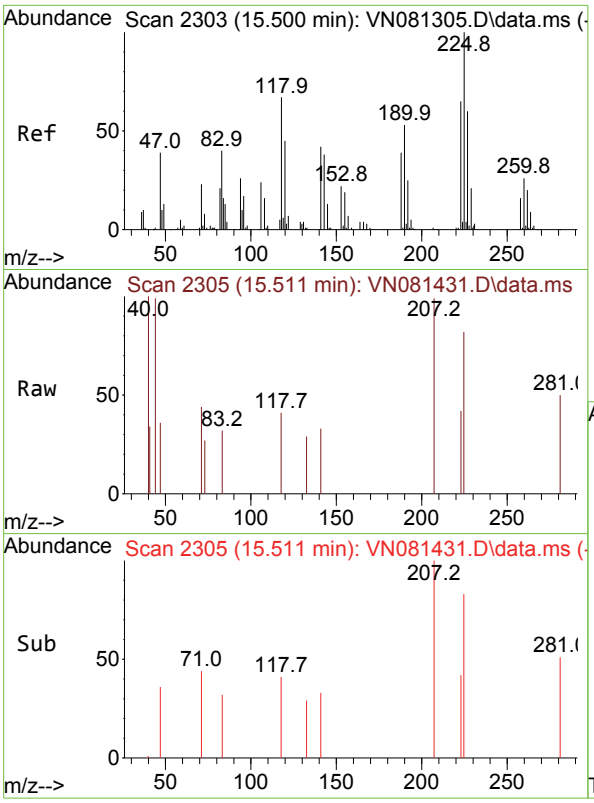


#93
1,2,4-Trichlorobenzene
Concen: 0.441 ug/l
RT: 15.400 min Scan# 2286
Delta R.T. 0.006 min
Lab File: VN081431.D
Acq: 15 Mar 2024 17:41

Tgt Ion:180 Resp: 1401

Ion	Ratio	Lower	Upper
180	100		
182	79.2	46.6	139.7
145	22.6	16.8	50.3



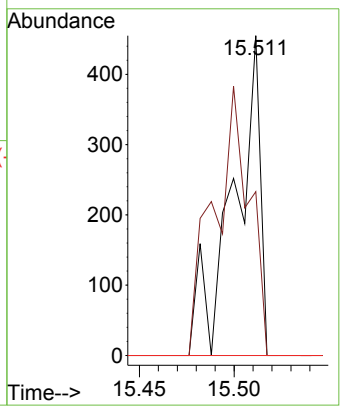


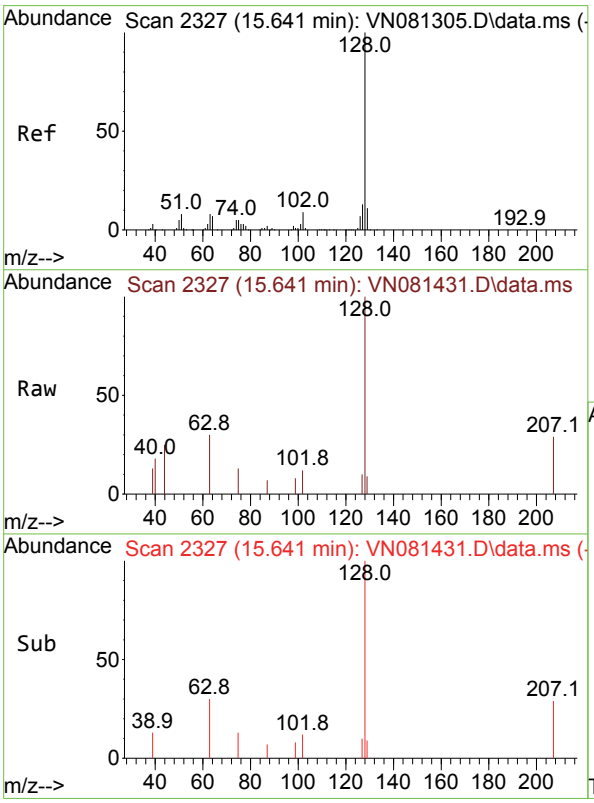
#94
Hexachlorobutadiene
Concen: 0.338 ug/l
RT: 15.511 min Scan# 2
Delta R.T. 0.012 min
Lab File: VN081431.D
Acq: 15 Mar 2024 17:41

Instrument :
MSVOA_N
ClientSampleId :
MW-2DL

Tgt Ion:225 Resp: 444

Ion	Ratio	Lower	Upper
225	100		
223	112.4	33.3	99.8#
227	0.0	33.1	99.2#

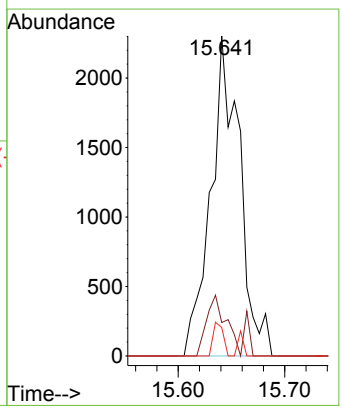


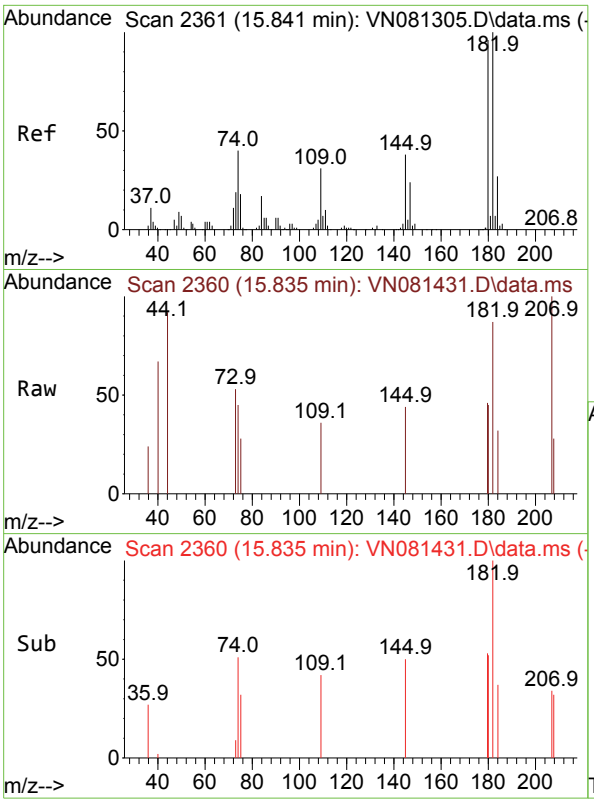


#95
Naphthalene
Concen: 0.385 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. 0.000 min
Lab File: VN081431.D
Acq: 15 Mar 2024 17:41

Tgt Ion:128 Resp: 4352

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.0	15.0
129	3.6	8.7	13.1#





#96
1,2,3-Trichlorobenzene
Concen: 0.359 ug/l
RT: 15.835 min Scan# 2
Delta R.T. -0.006 min
Lab File: VN081431.D
Acq: 15 Mar 2024 17:41

Instrument :
MSVOA_N
ClientSampleId :
MW-2DL

Tgt Ion:180 Resp: 1156

Ion	Ratio	Lower	Upper
180	100		
182	78.9	46.5	139.3
145	24.0	17.8	53.4