Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042924\
Data File : VN081907.D
Acq On : 29 Apr 2024 12:20
Operator : JC\MD
Sample : P2293-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Apr 30 04:34:54 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Apr 27 04:37:27 2024
Response via : Initial Calibration

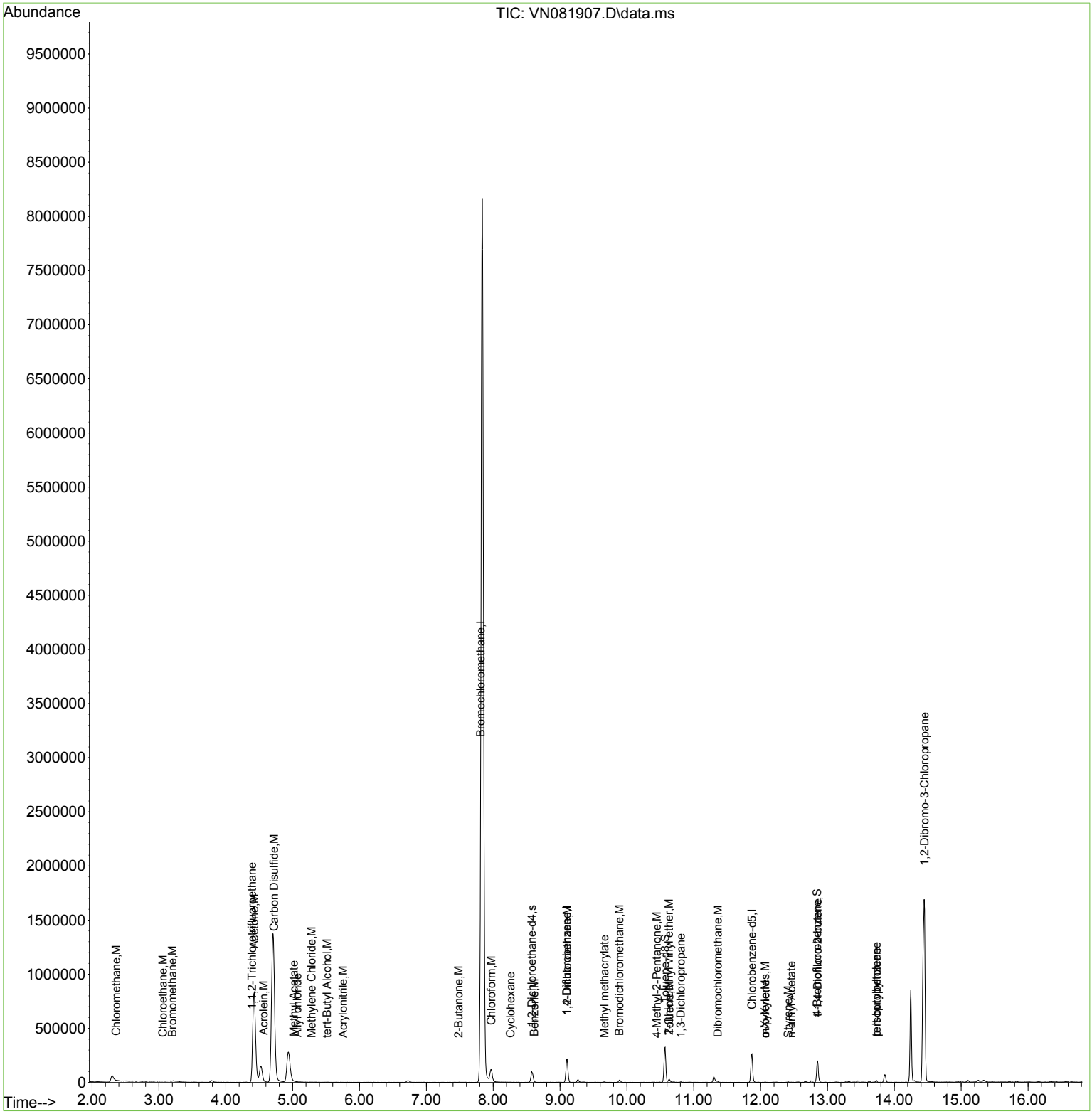
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.812	128	16137	30.000	ug/l	# 0.00
28) 1,4-Difluorobenzene	9.100	114	182816	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.870	117	152482	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	76546	56.656	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 188.867%#			
60) 4-Bromofluorobenzene	12.847	95	73156	28.828	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 96.100%			
63) Toluene-d8	10.571	98	221673	30.612	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 102.033%			
Target Compounds						Qvalue
3) Chloromethane	2.359	50	1076	1.013	ug/l	93
5) Bromomethane	3.200	94	123	0.235	ug/l	92
6) Chloroethane	3.059	64	1150	2.024	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.394	101	490	0.487	ug/l	62
12) Methyl Acetate	5.018	43	388	0.315	ug/l #	40
13) Acrolein	4.565	56	231	0.881	ug/l	87
14) Acrylonitrile	5.753	53	139	0.247	ug/l #	18
15) Acetone	4.424	58	499446	3960.028	ug/l	82
16) Carbon Disulfide	4.724	76	1685	0.618	ug/l #	66
17) Allyl chloride	5.071	41	431	0.249	ug/l #	17
18) Methylene Chloride	5.283	84	367	0.328	ug/l #	38
23) tert-Butyl Alcohol	5.512	59	446	1.924	ug/l #	100
25) Chloroform	7.971	83	102544	52.617	ug/l	97
26) Cyclohexane	8.259	56	425	0.243	ug/l #	48
30) 2-Butanone	7.482	43	895	0.638	ug/l #	68
34) Benzene	8.612	78	2290	0.264	ug/l #	50
36) 1,2-Dichloroethane	9.106	62	8019	2.751	ug/l #	72
41) Bromodichloromethane	9.888	83	14019	4.583	ug/l #	92
46) Methyl methacrylate	9.665	41	1291	0.520	ug/l #	11
47) n-amyl Acetate	12.459	43	2290	0.468	ug/l #	76
52) 1,3-Dichloropropane	10.806	76	905	0.254	ug/l	73
53) Dibromochloromethane	11.359	129	3293	1.559	ug/l	81
55) 2-Chloroethyl vinyl ether	10.629	63	1318	0.719	ug/l #	20
58) 4-Methyl-2-Pentanone	10.447	43	971	0.328	ug/l #	38
62) Toluene	10.635	91	19712	2.298	ug/l	94
67) m/p-Xylenes	12.070	106	768	0.220	ug/l	84
68) o-Xylene	12.070	106	768	0.223	ug/l	92
69) Styrene	12.412	104	2057	0.355	ug/l #	68
77) t-1,4-Dichloro-2-butene	12.853	75	38559	36.753	ug/l #	12
79) tert-butylbenzene	13.735	119	8183	1.340	ug/l	62
82) p-Isopropyltoluene	13.735	119	8183	1.209	ug/l	92
88) 1,2-Dibromo-3-Chloropr...	14.453	75	2648	4.680	ug/l #	4

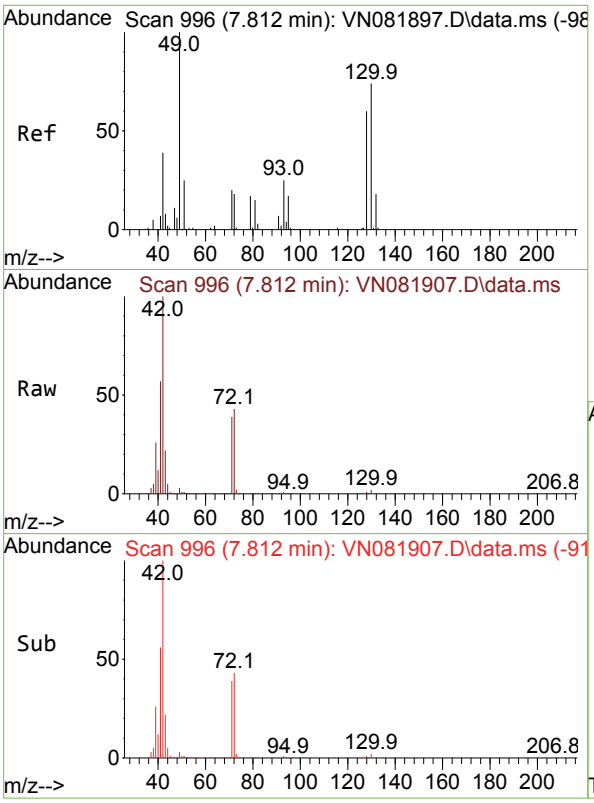
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042924\
Data File : VN081907.D
Acq On : 29 Apr 2024 12:20
Operator : JC\MD
Sample : P2293-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Apr 30 04:34:54 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Apr 27 04:37:27 2024
Response via : Initial Calibration



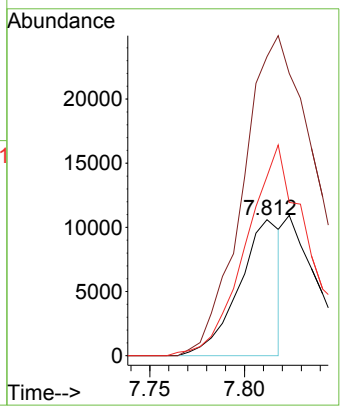


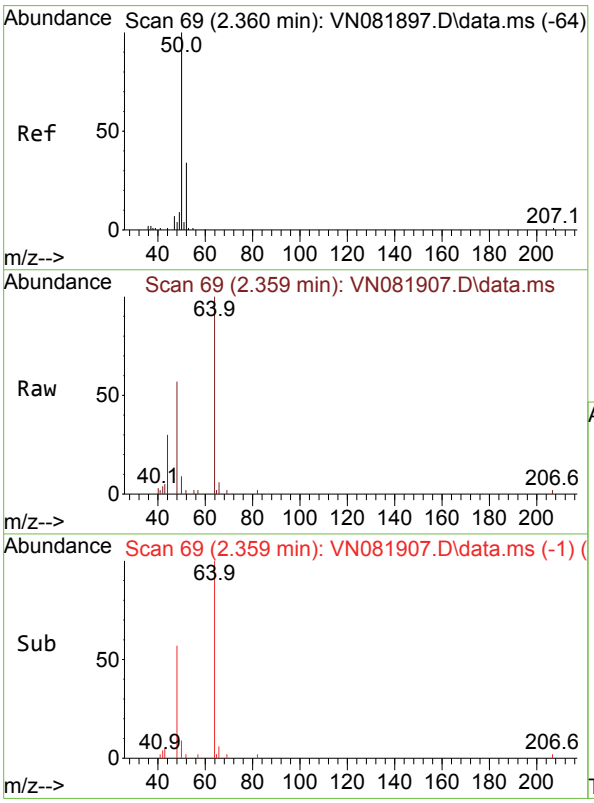
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN081907.D
Acq: 29 Apr 2024 12:20

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 16137

Ion	Ratio	Lower	Upper
128	100		
49	430.7	0.0	403.7#
130	233.9	0.0	323.3

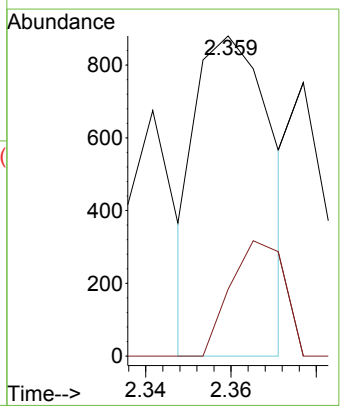


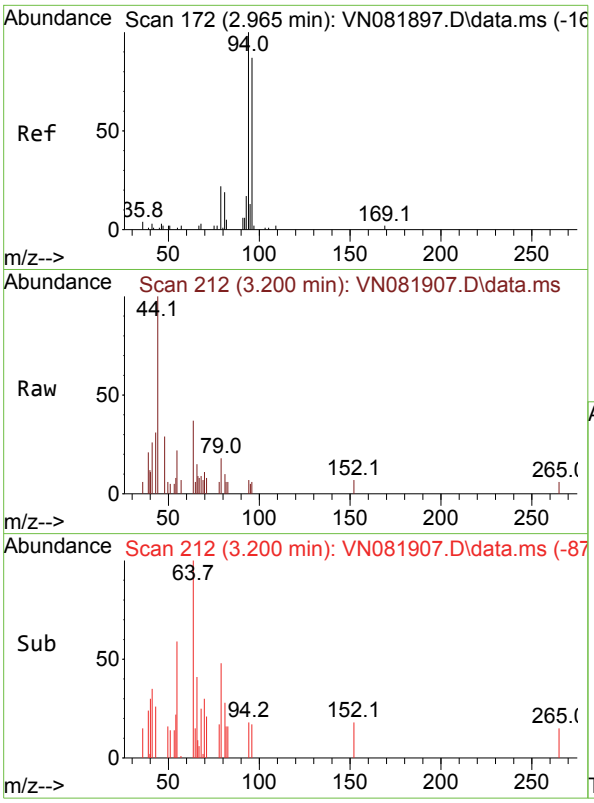


#3
Chloromethane
Concen: 1.013 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN081907.D
Acq: 29 Apr 2024 12:20

Tgt Ion: 50 Resp: 1076

Ion	Ratio	Lower	Upper
50	100		
52	35.7	25.4	38.0



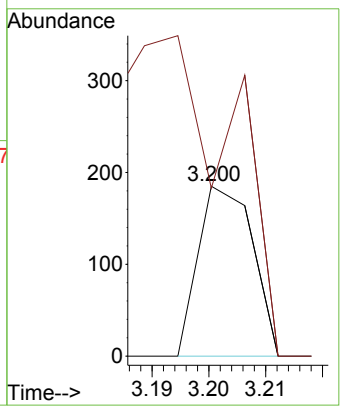


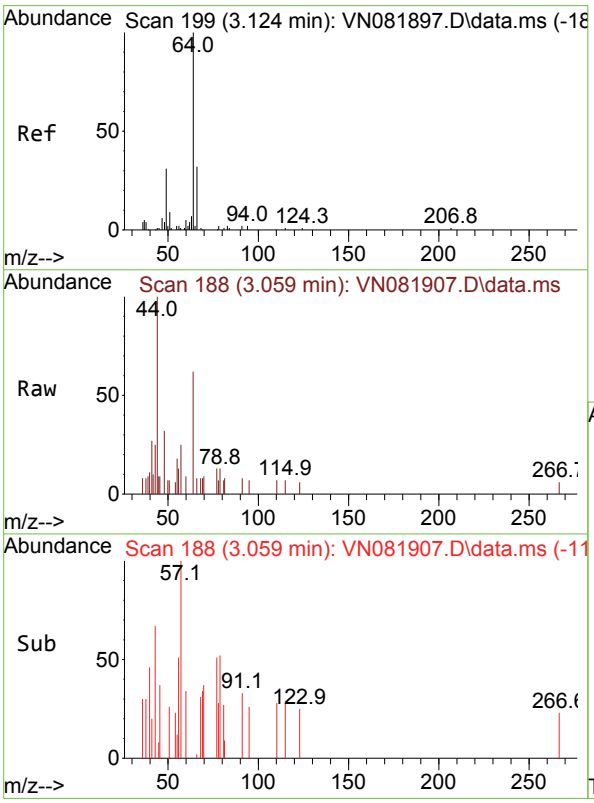
#5
Bromomethane
Concen: 0.235 ug/l
RT: 3.200 min Scan# 21
Delta R.T. 0.235 min
Lab File: VN081907.D
Acq: 29 Apr 2024 12:20

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 94 Resp: 123

Ion	Ratio	Lower	Upper
94	100		
96	98.9	72.8	109.2

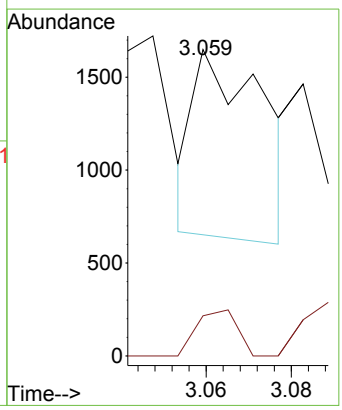


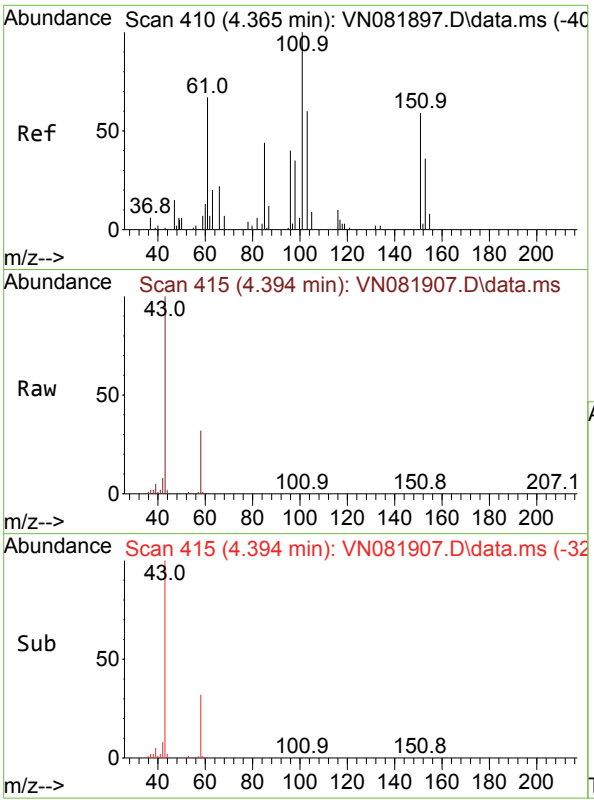


#6
Chloroethane
Concen: 2.024 ug/l
RT: 3.059 min Scan# 188
Delta R.T. -0.065 min
Lab File: VN081907.D
Acq: 29 Apr 2024 12:20

Tgt Ion: 64 Resp: 1150

Ion	Ratio	Lower	Upper
64	100		
66	35.1	26.7	40.1



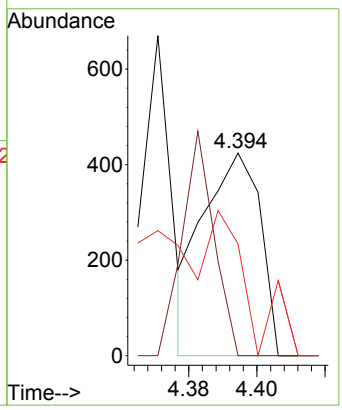


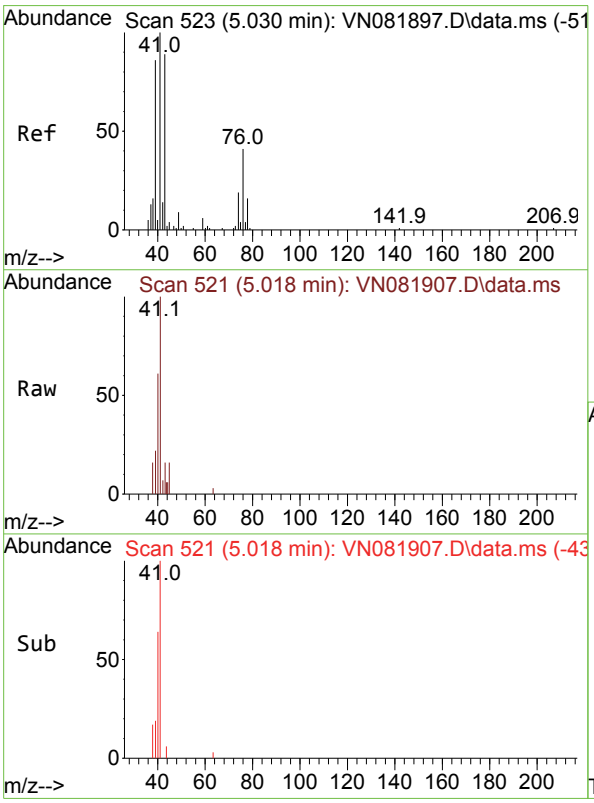
#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.487 ug/l
RT: 4.394 min Scan# 4
Delta R.T. 0.029 min
Lab File: VN081907.D
Acq: 29 Apr 2024 12:20

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:101 Resp: 490

Ion	Ratio	Lower	Upper
101	100		
85	61.8	0.0	90.6
151	38.8	0.0	157.6

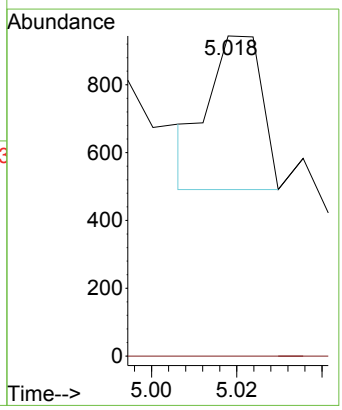


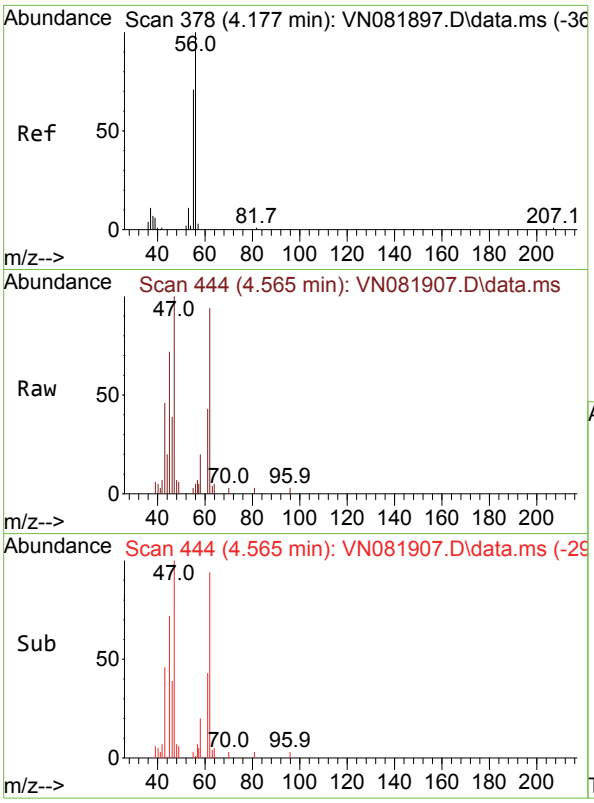


#12
Methyl Acetate
Concen: 0.315 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.012 min
Lab File: VN081907.D
Acq: 29 Apr 2024 12:20

Tgt Ion: 43 Resp: 388

Ion	Ratio	Lower	Upper
43	100		
74	0.0	27.7	41.5#



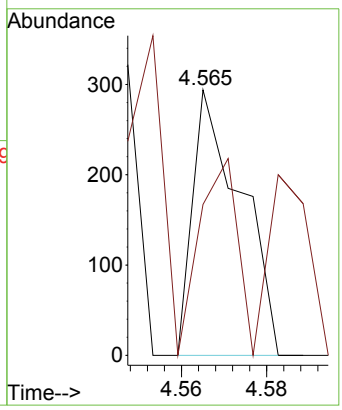


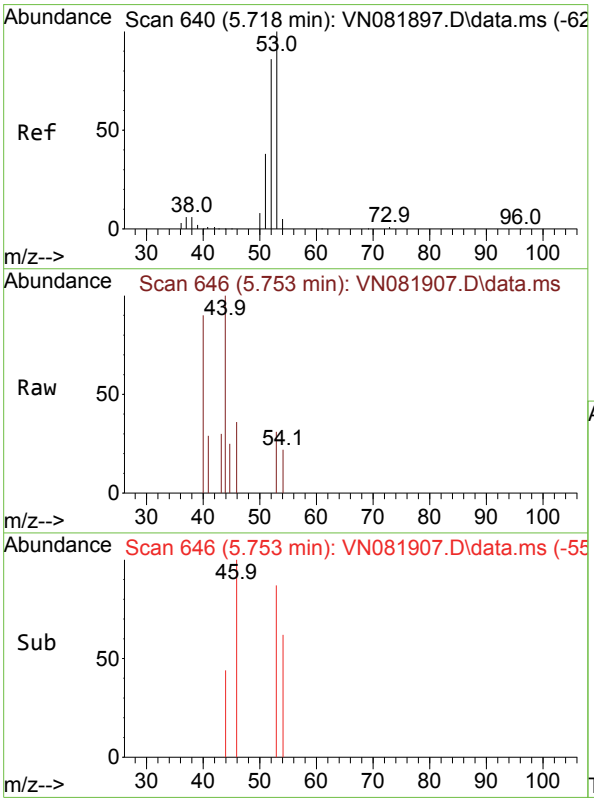
#13
Acrolein
Concen: 0.881 ug/l
RT: 4.565 min Scan# 44
Delta R.T. 0.388 min
Lab File: VN081907.D
Acq: 29 Apr 2024 12:20

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 56 Resp: 231

Ion	Ratio	Lower	Upper
56	100		
55	58.9	55.5	83.3

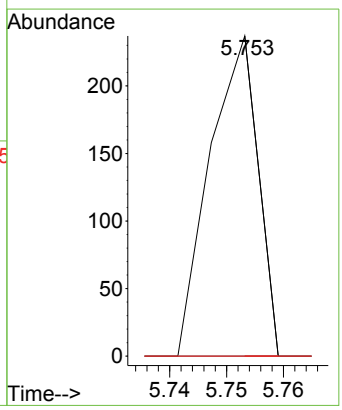


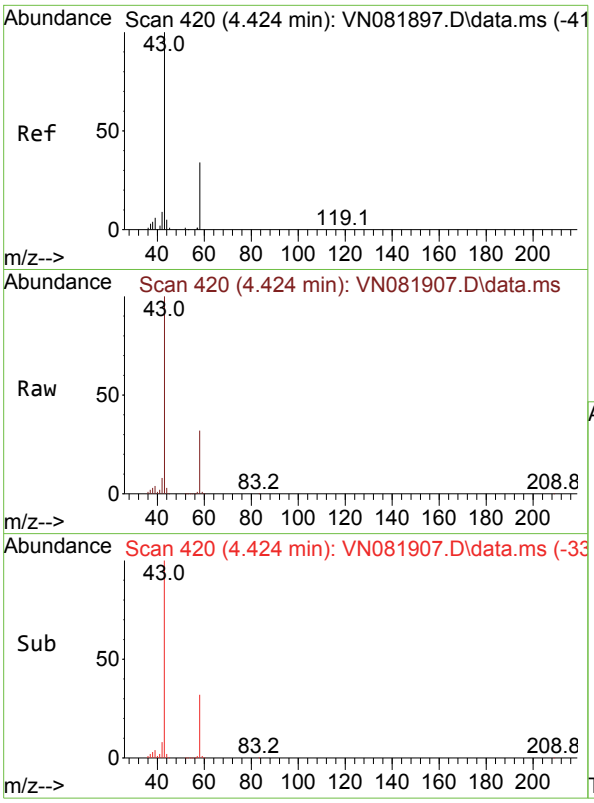


#14
Acrylonitrile
Concen: 0.247 ug/l
RT: 5.753 min Scan# 646
Delta R.T. 0.035 min
Lab File: VN081907.D
Acq: 29 Apr 2024 12:20

Tgt Ion: 53 Resp: 139

Ion	Ratio	Lower	Upper
53	100		
52	0.0	41.3	123.9#
51	0.0	16.8	50.3#



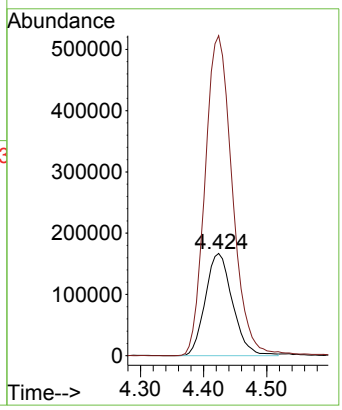


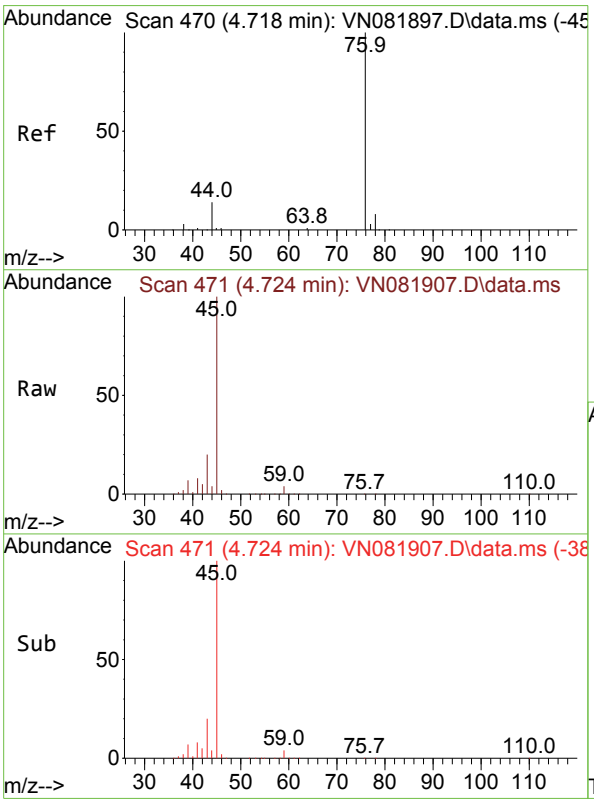
#15
Acetone
Concen: 3960.028 ug/l
RT: 4.424 min Scan# 4
Delta R.T. -0.000 min
Lab File: VN081907.D
Acq: 29 Apr 2024 12:20

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 58 Resp: 499446

Ion	Ratio	Lower	Upper
58	100		
43	312.8	223.1	334.7

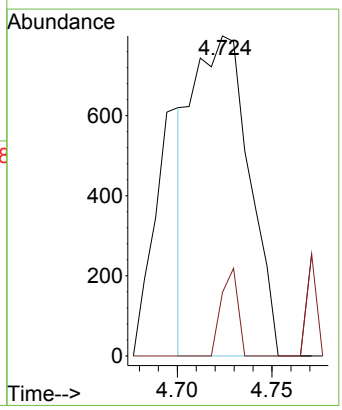


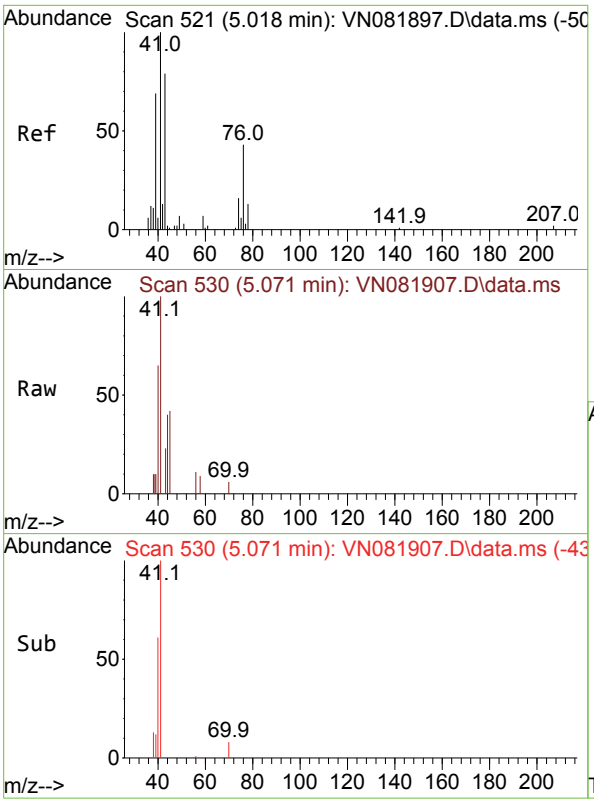


#16
Carbon Disulfide
Concen: 0.618 ug/l
RT: 4.724 min Scan# 471
Delta R.T. 0.006 min
Lab File: VN081907.D
Acq: 29 Apr 2024 12:20

Tgt Ion: 76 Resp: 1685

Ion	Ratio	Lower	Upper
76	100		
78	19.9	6.3	9.5#



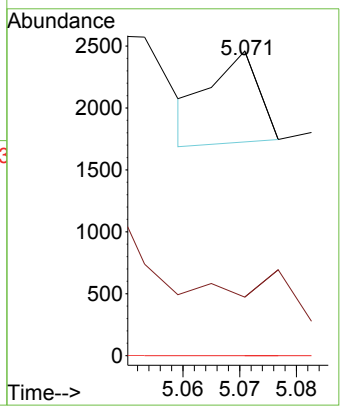


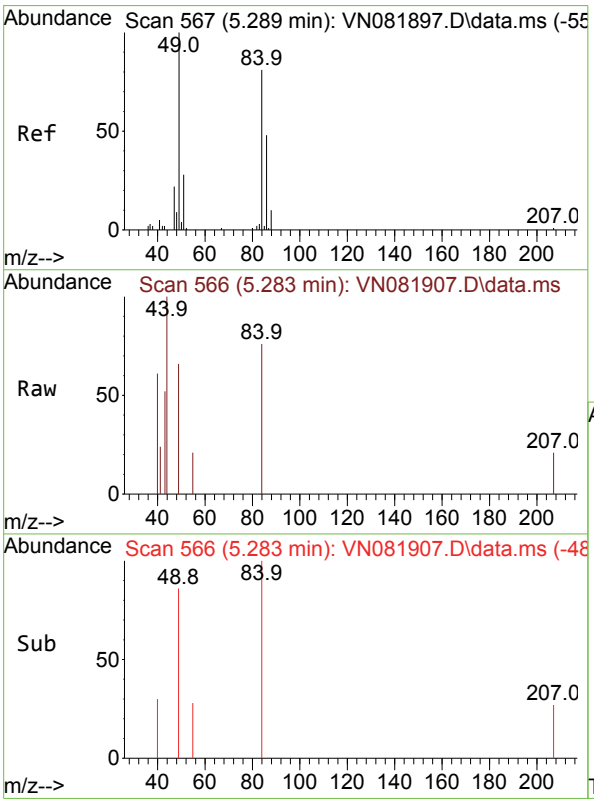
#17
Allyl chloride
Concen: 0.249 ug/l
RT: 5.071 min Scan# 5
Delta R.T. 0.053 min
Lab File: VN081907.D
Acq: 29 Apr 2024 12:20

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 41 Resp: 431

Ion	Ratio	Lower	Upper
41	100		
39	0.0	37.6	112.9#
76	0.0	27.8	83.4#

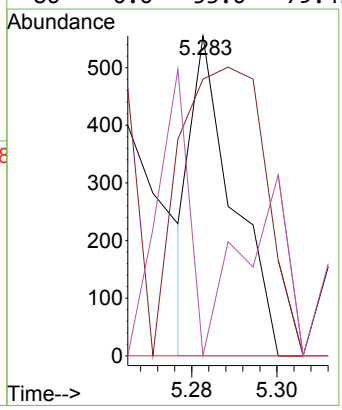


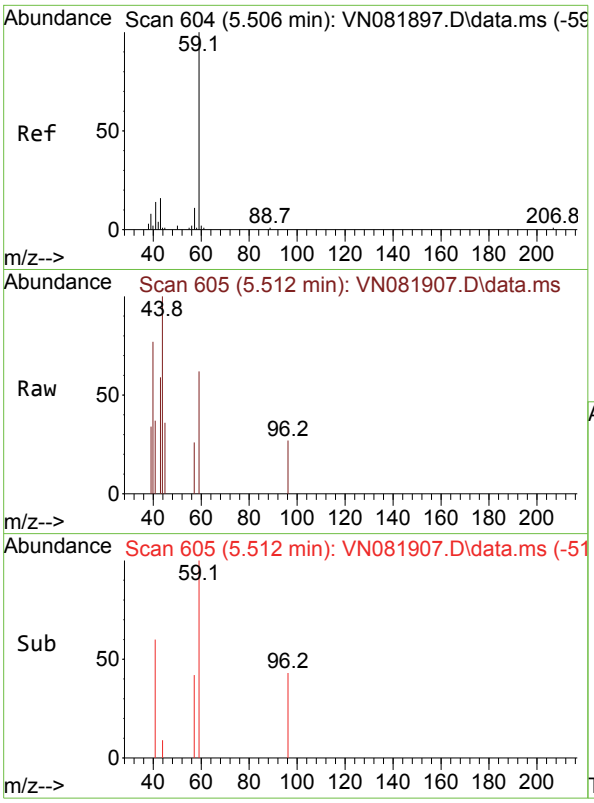


#18
Methylene Chloride
Concen: 0.328 ug/l
RT: 5.283 min Scan# 566
Delta R.T. -0.006 min
Lab File: VN081907.D
Acq: 29 Apr 2024 12:20

Tgt Ion: 84 Resp: 367

Ion	Ratio	Lower	Upper
84	100		
49	56.6	86.0	129.0#
51	0.0	30.0	45.0#
86	0.0	53.0	79.4#



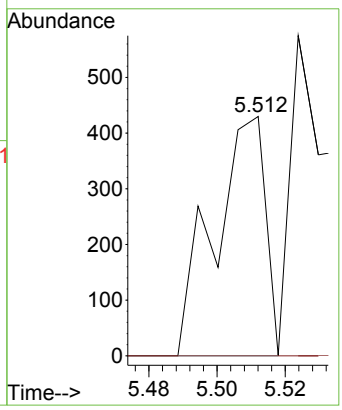


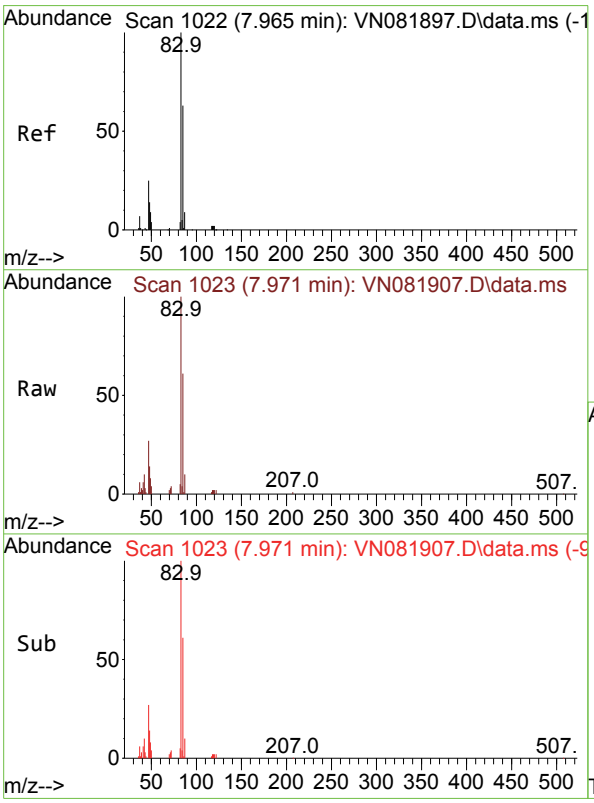
#23
tert-Butyl Alcohol
Concen: 1.924 ug/l
RT: 5.512 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN081907.D
Acq: 29 Apr 2024 12:20

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 59 Resp: 446

Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

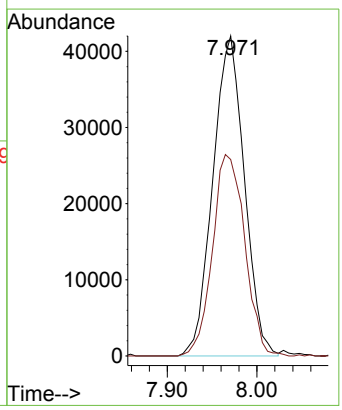


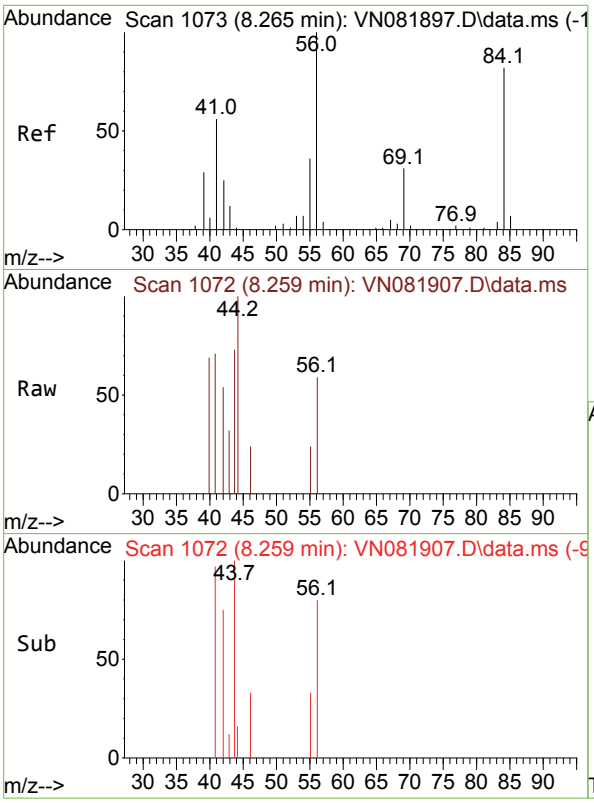


#25
Chloroform
Concen: 52.617 ug/l
RT: 7.971 min Scan# 1023
Delta R.T. 0.006 min
Lab File: VN081907.D
Acq: 29 Apr 2024 12:20

Tgt Ion: 83 Resp: 102544

Ion	Ratio	Lower	Upper
83	100		
85	61.4	50.9	76.3



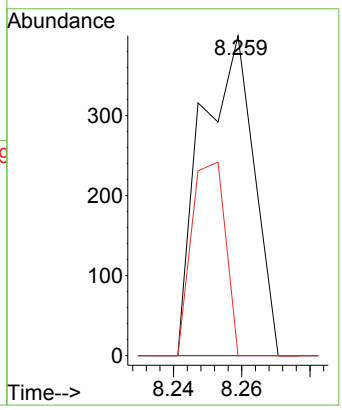


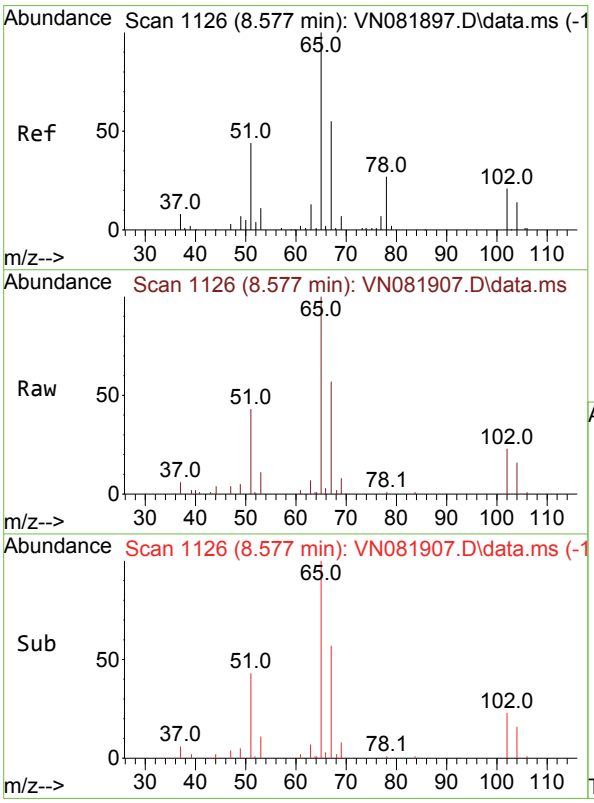
#26
Cyclohexane
Concen: 0.243 ug/l
RT: 8.259 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN081907.D
Acq: 29 Apr 2024 12:20

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 56 Resp: 425

Ion	Ratio	Lower	Upper
56	100		
89	0.0	19.3	28.9#
84	39.3	71.3	106.9#

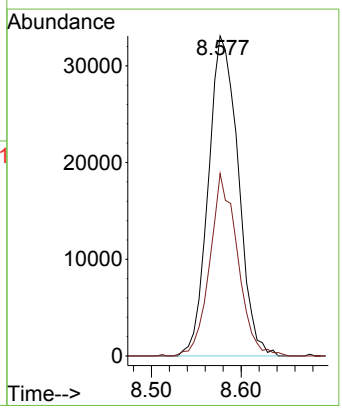


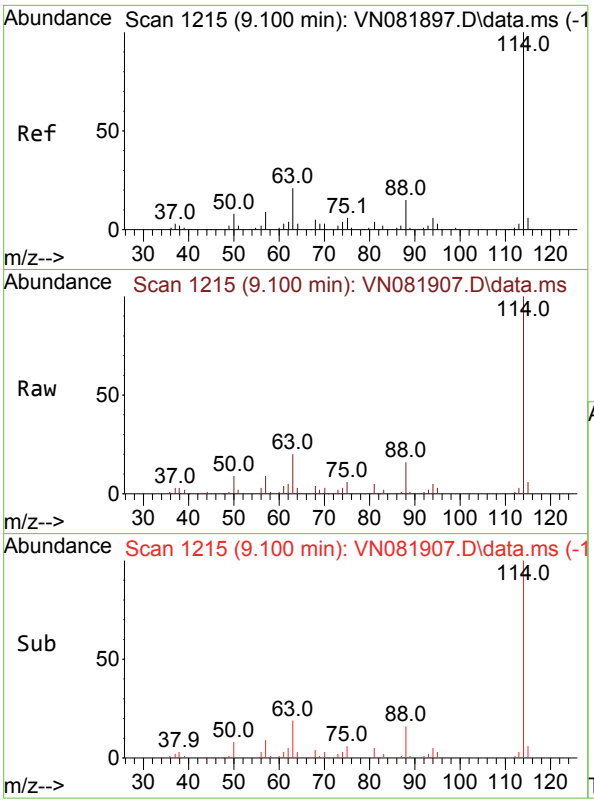


#27
1,2-Dichloroethane-d4
Concen: 56.656 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN081907.D
Acq: 29 Apr 2024 12:20

Tgt Ion: 65 Resp: 76546

Ion	Ratio	Lower	Upper
65	100		
67	53.0	43.2	64.8



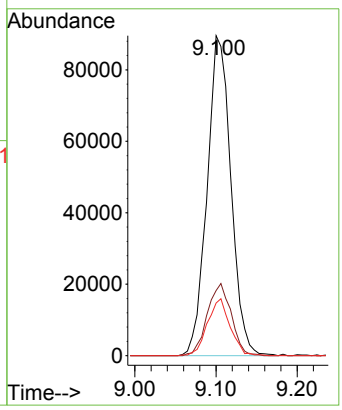


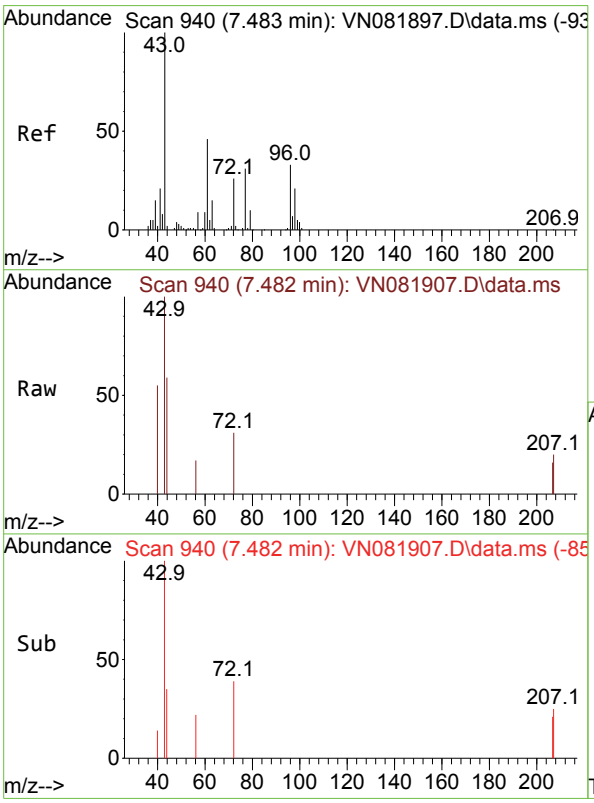
#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN081907.D
Acq: 29 Apr 2024 12:20

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:114 Resp: 182816

Ion	Ratio	Lower	Upper
114	100		
63	22.6	15.9	23.9
88	16.9	12.7	19.1

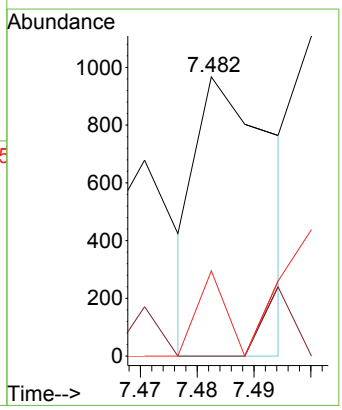


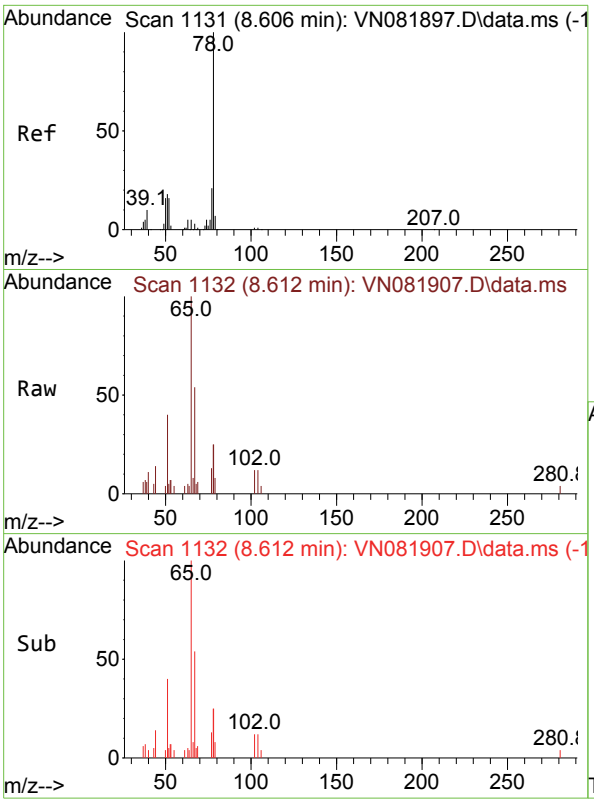


#30
2-Butanone
Concen: 0.638 ug/l
RT: 7.482 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN081907.D
Acq: 29 Apr 2024 12:20

Tgt Ion: 43 Resp: 895

Ion	Ratio	Lower	Upper
43	100		
57	0.0	6.7	10.1#
72	11.6	24.0	36.0#



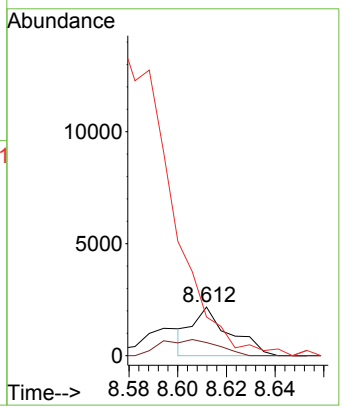


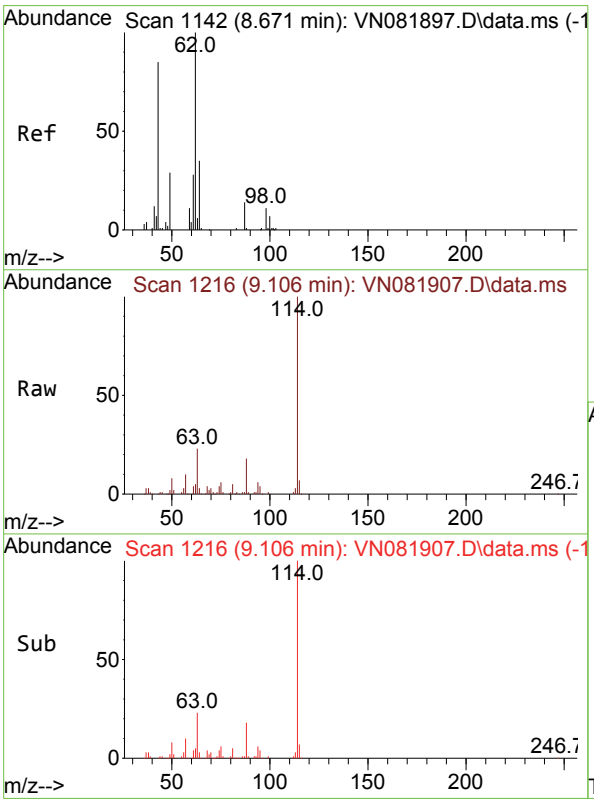
#34
Benzene
Concen: 0.264 ug/l
RT: 8.612 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN081907.D
Acq: 29 Apr 2024 12:20

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 78 Resp: 2290

Ion	Ratio	Lower	Upper
78	100		
77	26.9	19.2	28.8
51	65.7	13.3	19.9#

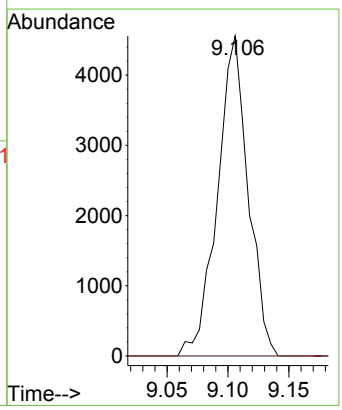


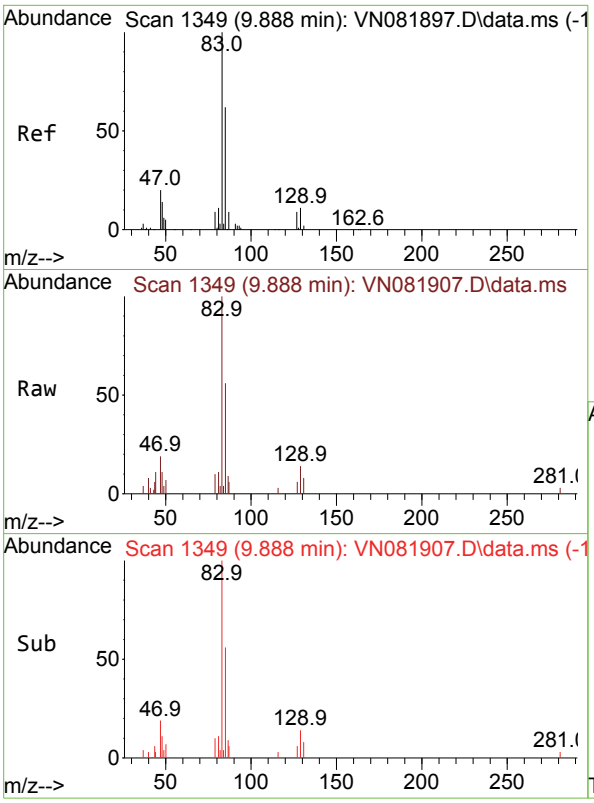


#36
1,2-Dichloroethane
Concen: 2.751 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. 0.435 min
Lab File: VN081907.D
Acq: 29 Apr 2024 12:20

Tgt Ion: 62 Resp: 8019

Ion	Ratio	Lower	Upper
62	100		
98	0.0	8.2	12.4#



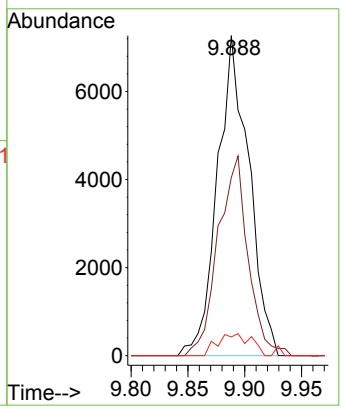


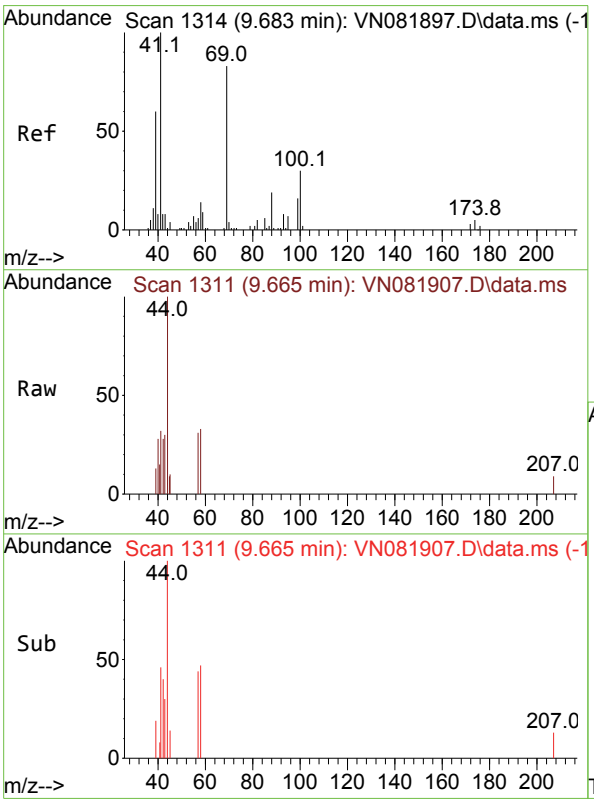
#41
Bromodichloromethane
Concen: 4.583 ug/l
RT: 9.888 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN081907.D
Acq: 29 Apr 2024 12:20

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 83 Resp: 14019

Ion	Ratio	Lower	Upper
83	100		
85	55.7	49.4	74.2
127	5.9	7.3	10.9#

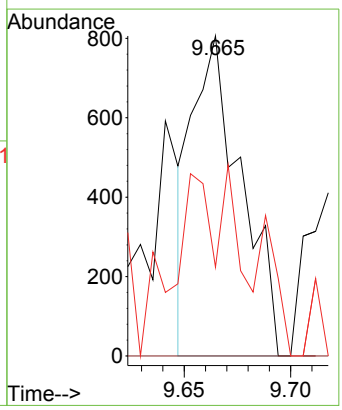


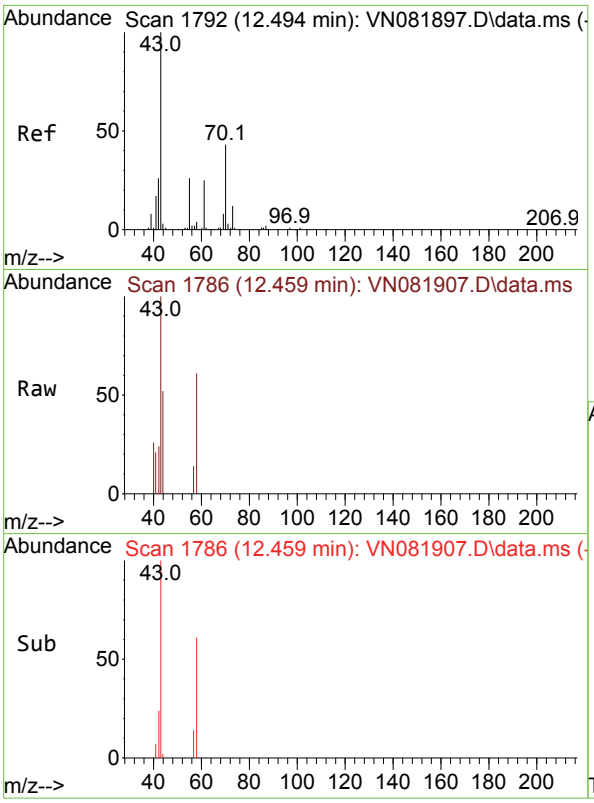


#46
Methyl methacrylate
Concen: 0.520 ug/l
RT: 9.665 min Scan# 1311
Delta R.T. -0.018 min
Lab File: VN081907.D
Acq: 29 Apr 2024 12:20

Tgt Ion: 41 Resp: 1291

Ion	Ratio	Lower	Upper
41	100		
69	0.0	51.1	153.3#
39	5.2	25.8	77.3#



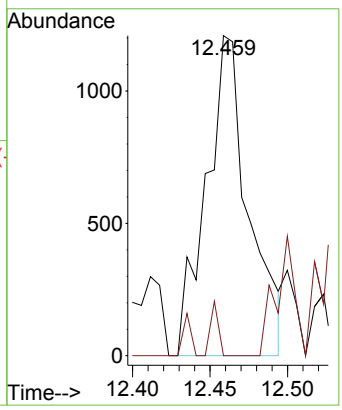


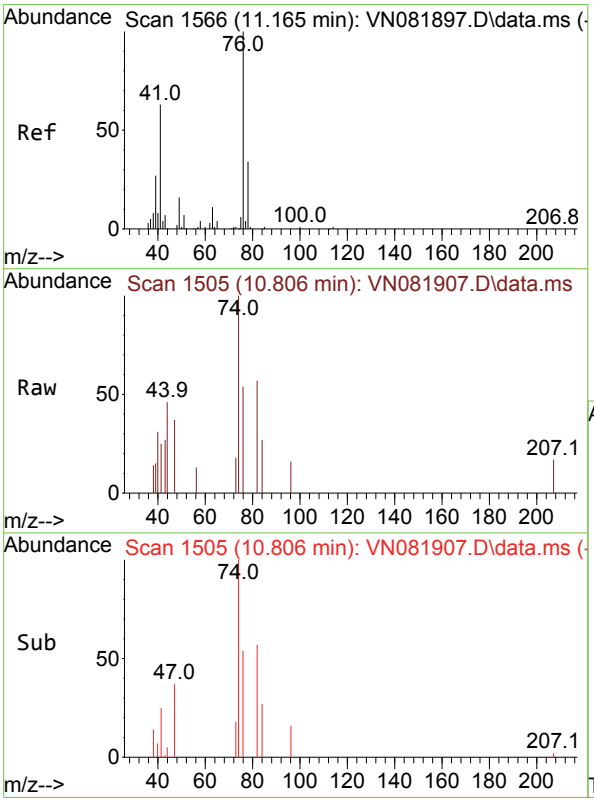
#47
n-amyl Acetate
Concen: 0.468 ug/l
RT: 12.459 min Scan# 1
Delta R.T. -0.036 min
Lab File: VN081907.D
Acq: 29 Apr 2024 12:20

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 43 Resp: 2290

Ion	Ratio	Lower	Upper
43	100		
55	16.6	23.4	35.2#

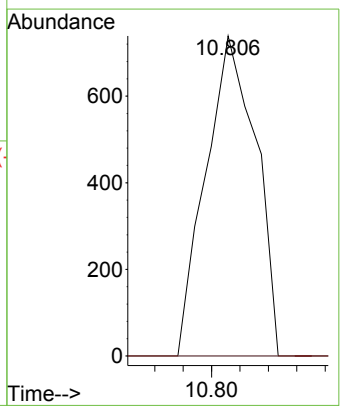


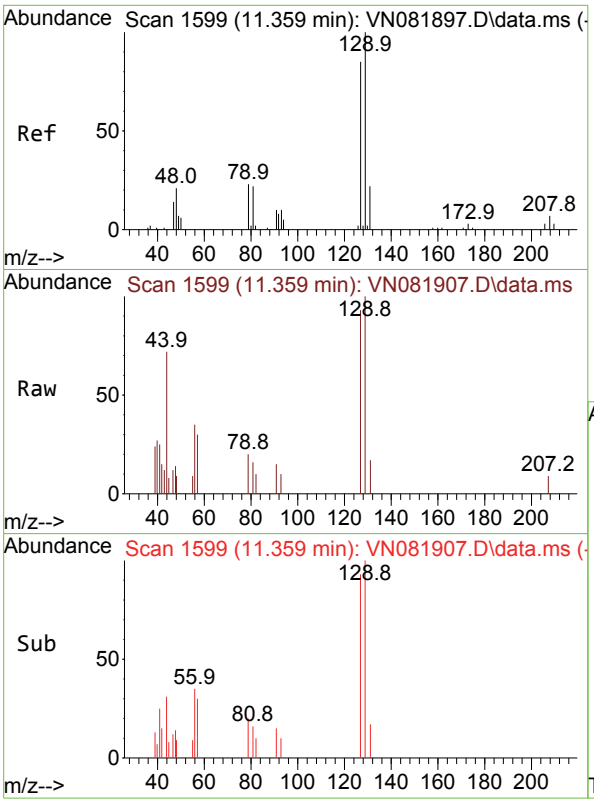


#52
1,3-Dichloropropane
Concen: 0.254 ug/l
RT: 10.806 min Scan# 1505
Delta R.T. -0.359 min
Lab File: VN081907.D
Acq: 29 Apr 2024 12:20

Tgt Ion: 76 Resp: 905

Ion	Ratio	Lower	Upper
76	100		
78	17.6	0.0	65.8



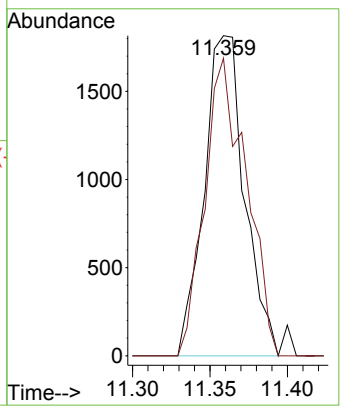


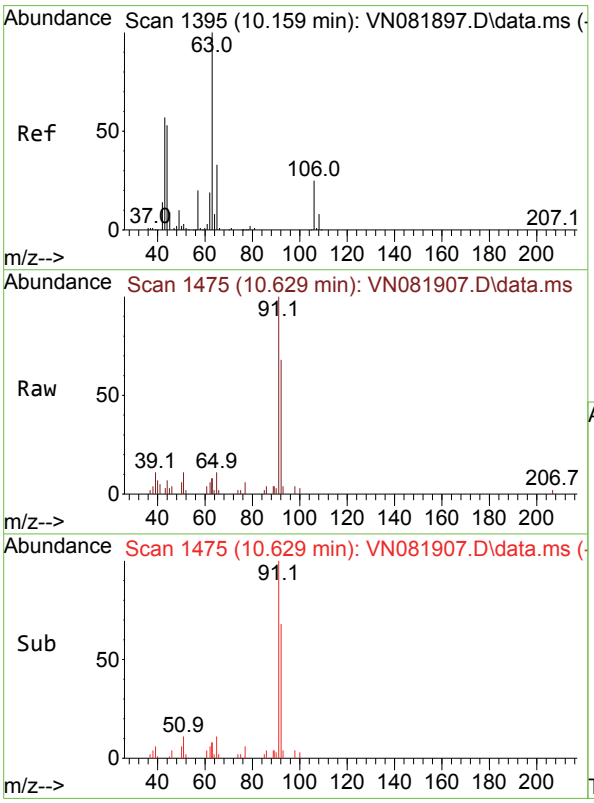
#53
Dibromochloromethane
Concen: 1.559 ug/l
RT: 11.359 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN081907.D
Acq: 29 Apr 2024 12:20

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:129 Resp: 3293

Ion	Ratio	Lower	Upper
129	100		
127	95.5	39.4	118.1

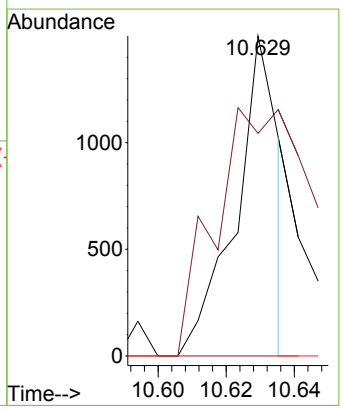


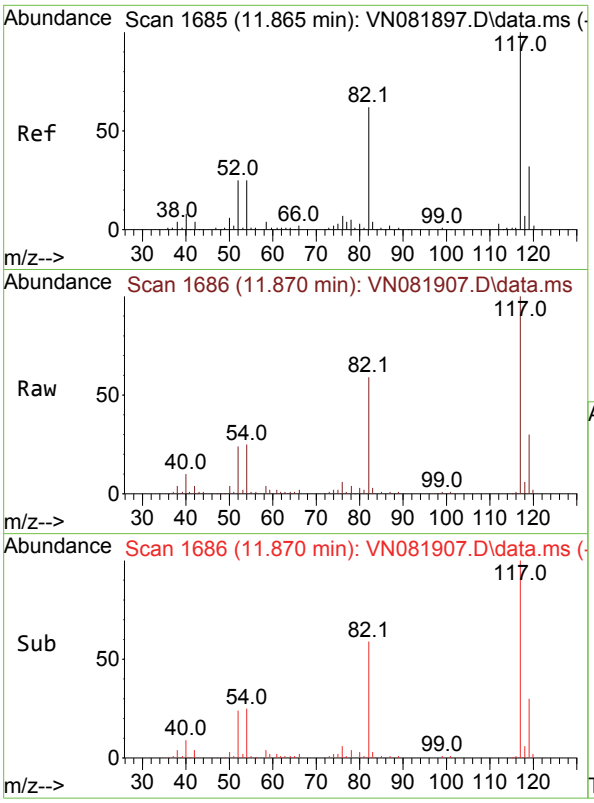


#55
2-Chloroethyl vinyl ether
Concen: 0.719 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.470 min
Lab File: VN081907.D
Acq: 29 Apr 2024 12:20

Tgt Ion: 63 Resp: 1318

Ion	Ratio	Lower	Upper
63	100		
65	90.0	26.2	39.2#
106	0.0	23.8	35.8#



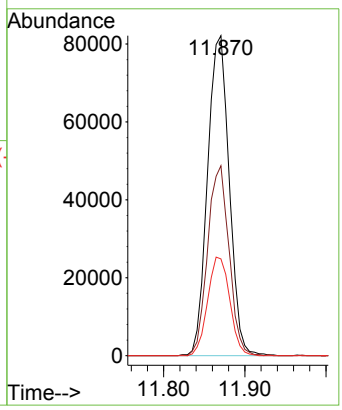


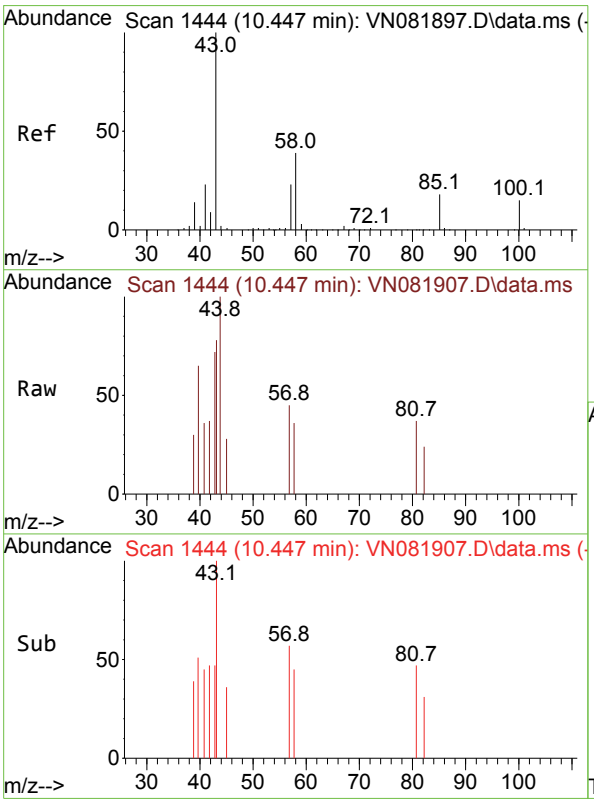
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.870 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN081907.D
Acq: 29 Apr 2024 12:20

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:117 Resp: 152482

Ion	Ratio	Lower	Upper
117	100		
82	58.6	46.6	69.8
119	31.4	25.4	38.2

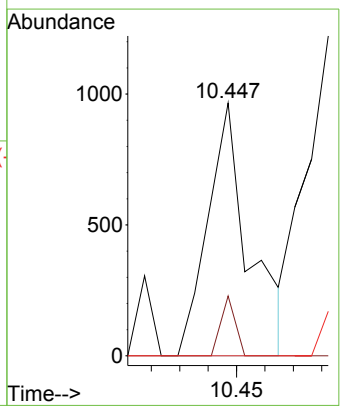


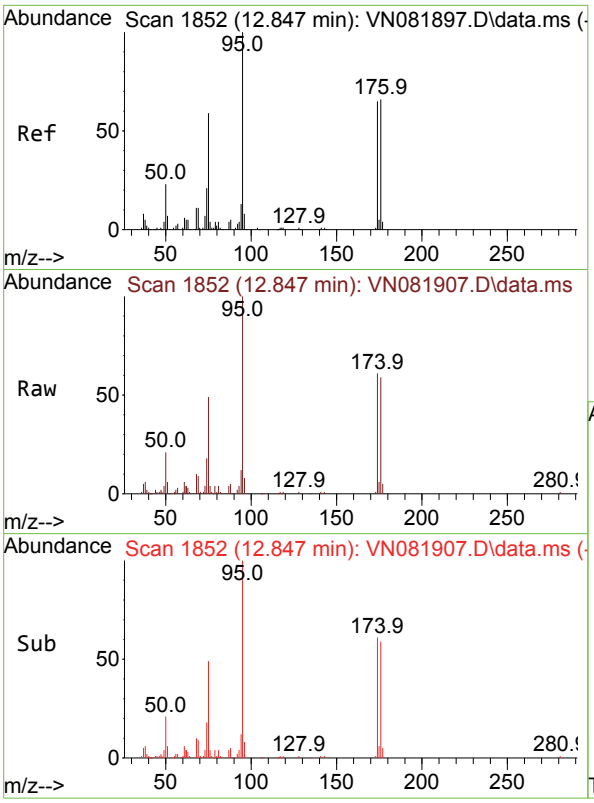


#58
4-Methyl-2-Pentanone
Concen: 0.328 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN081907.D
Acq: 29 Apr 2024 12:20

Tgt Ion: 43 Resp: 971

Ion	Ratio	Lower	Upper
43	100		
58	0.0	36.5	54.7#
85	0.0	19.5	29.3#



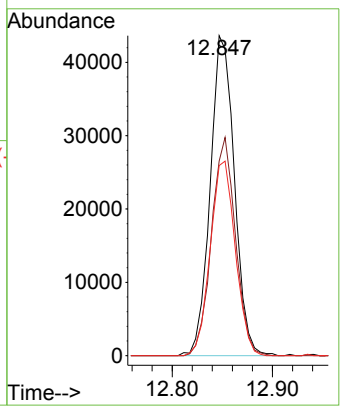


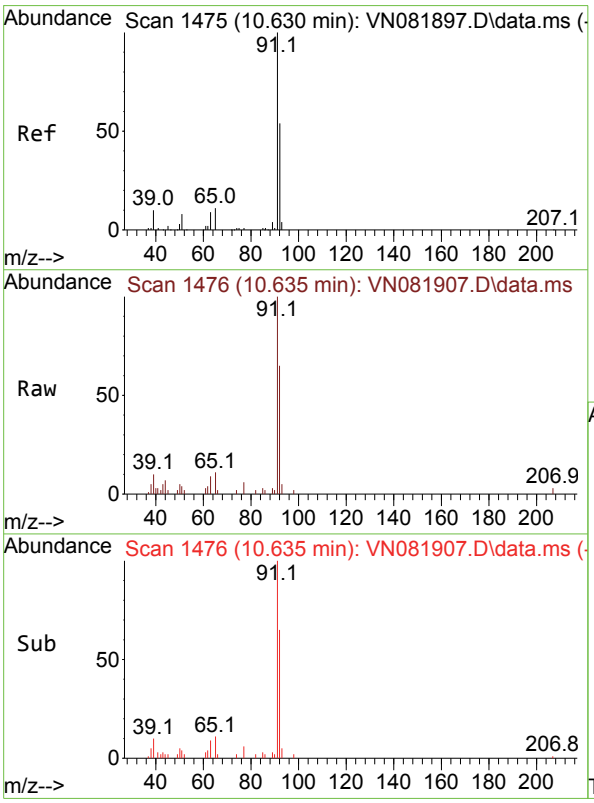
#60
4-Bromofluorobenzene
Concen: 28.828 ug/l
RT: 12.847 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN081907.D
Acq: 29 Apr 2024 12:20

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 95 Resp: 73156

Ion	Ratio	Lower	Upper
95	100		
174	67.7	60.5	90.7
176	63.0	57.8	86.6

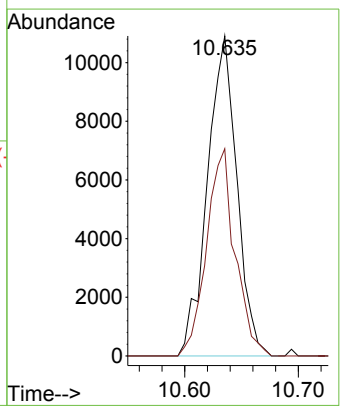


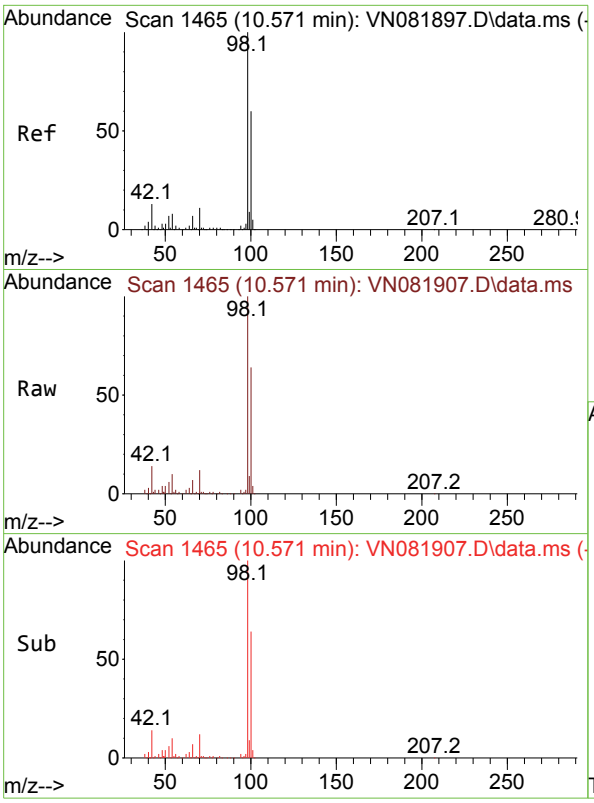


#62
Toluene
Concen: 2.298 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VN081907.D
Acq: 29 Apr 2024 12:20

Tgt Ion: 91 Resp: 19712

Ion	Ratio	Lower	Upper
91	100		
92	62.6	46.5	69.7



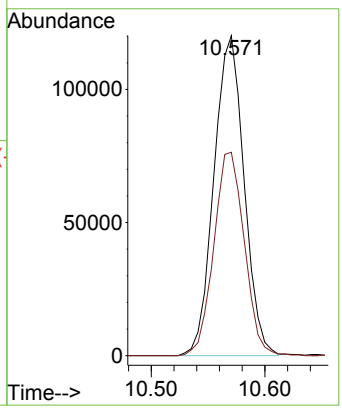


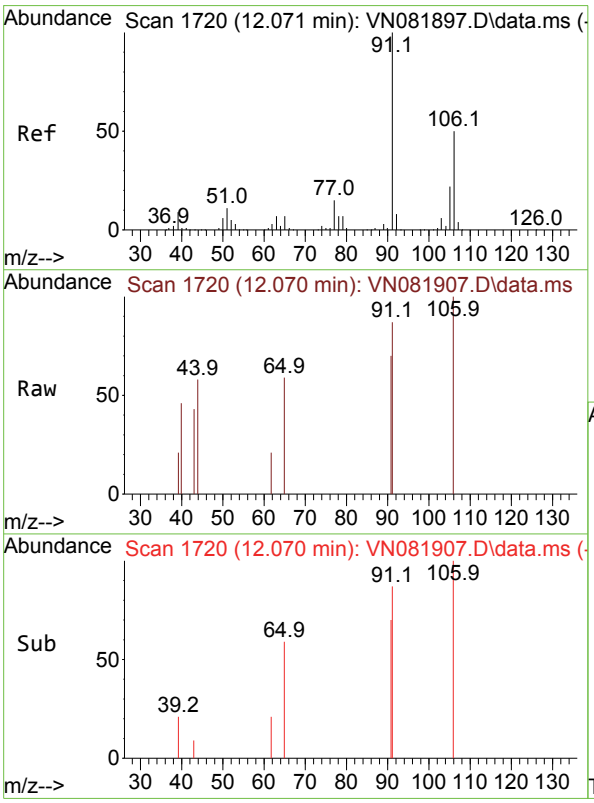
#63
Toluene-d8
Concen: 30.612 ug/l
RT: 10.571 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN081907.D
Acq: 29 Apr 2024 12:20

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 98 Resp: 221673

Ion	Ratio	Lower	Upper
98	100		
100	64.3	52.7	79.1

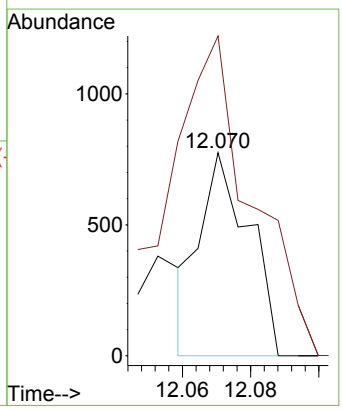


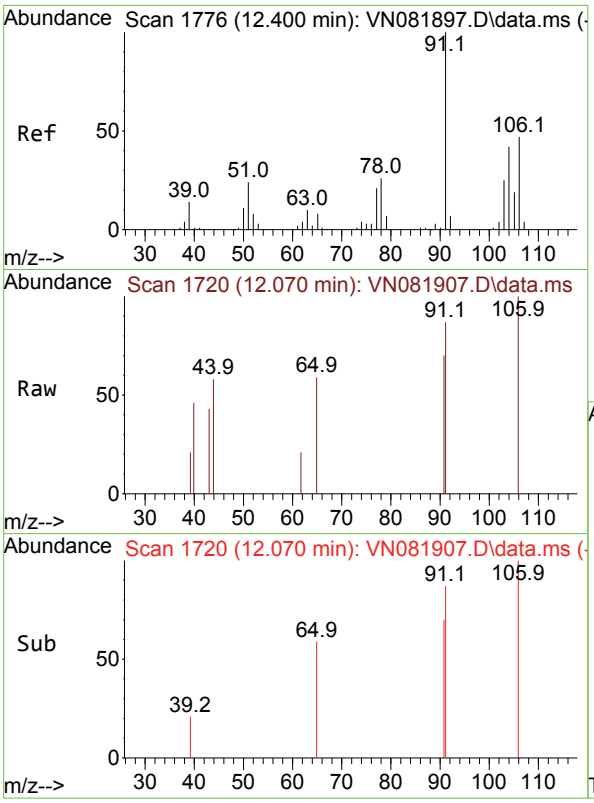


#67
m/p-Xylenes
Concen: 0.220 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN081907.D
Acq: 29 Apr 2024 12:20

Tgt Ion:106 Resp: 768

Ion	Ratio	Lower	Upper
106	100		
91	232.8	166.6	249.8



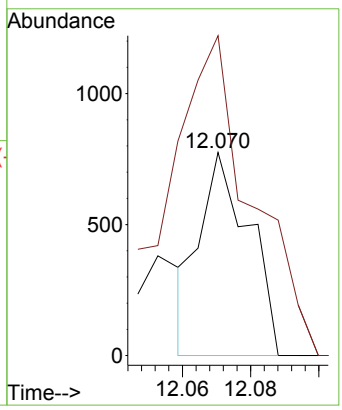


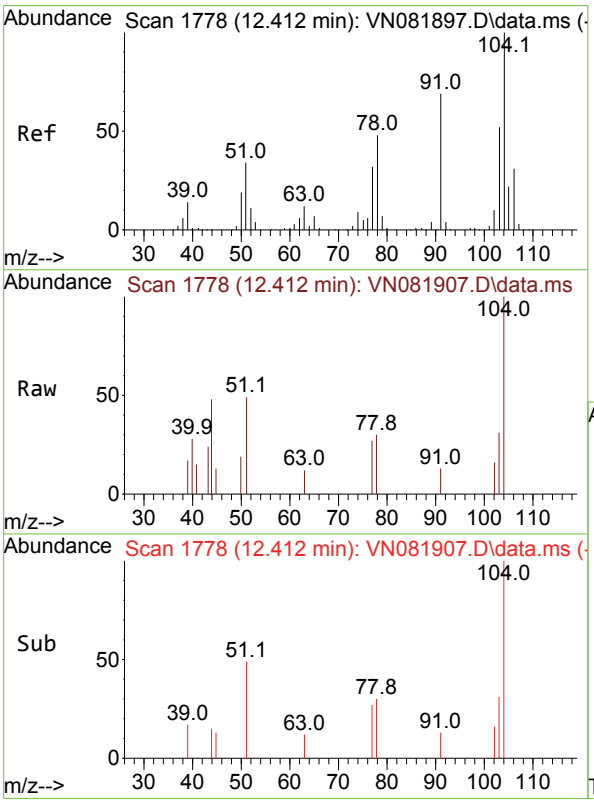
#68
o-Xylene
Concen: 0.223 ug/l
RT: 12.070 min Scan# 1
Delta R.T. -0.330 min
Lab File: VN081907.D
Acq: 29 Apr 2024 12:20

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:106 Resp: 768

Ion	Ratio	Lower	Upper
106	100		
91	232.8	110.0	330.0

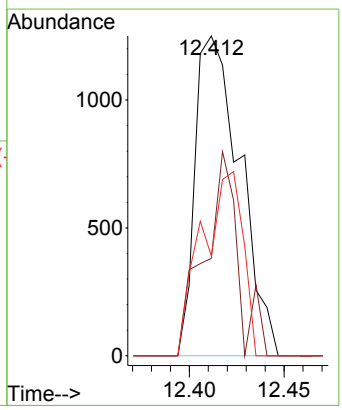


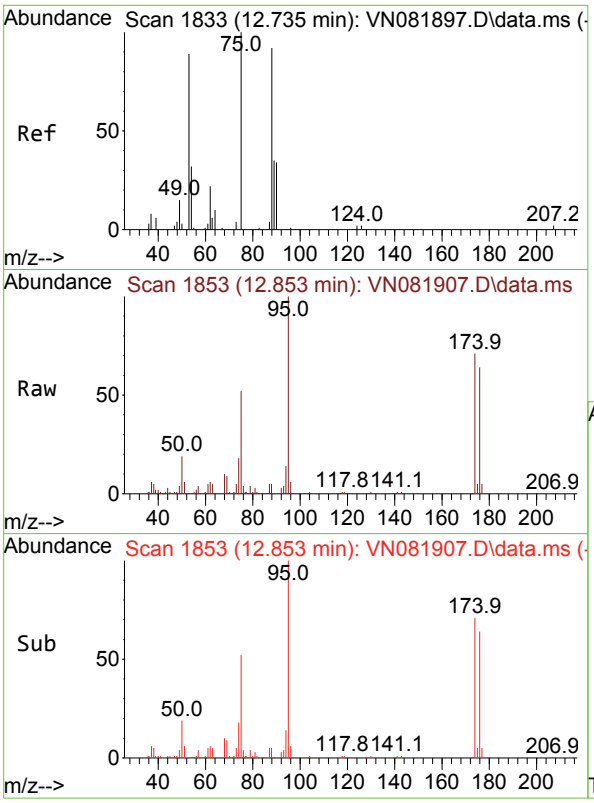


#69
Styrene
Concen: 0.355 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN081907.D
Acq: 29 Apr 2024 12:20

Tgt Ion:104 Resp: 2057

Ion	Ratio	Lower	Upper
104	100		
78	30.7	42.6	64.0#
103	31.5	43.7	65.5#



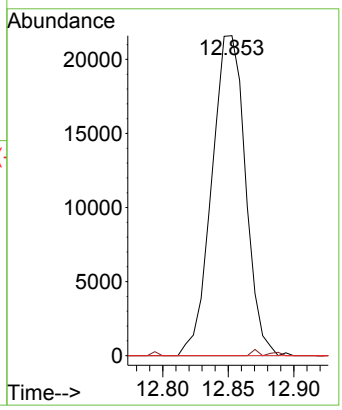


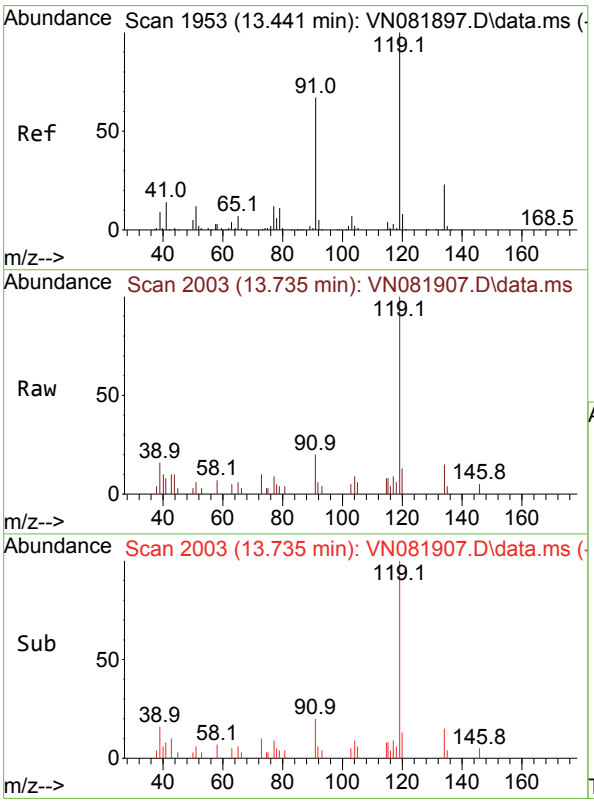
#77
t-1,4-Dichloro-2-butene
Concen: 36.753 ug/l
RT: 12.853 min Scan# 1
Delta R.T. 0.117 min
Lab File: VN081907.D
Acq: 29 Apr 2024 12:20

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 38559

Ion	Ratio	Lower	Upper
75	100		
53	0.0	45.9	137.7#
89	0.0	25.9	77.7#

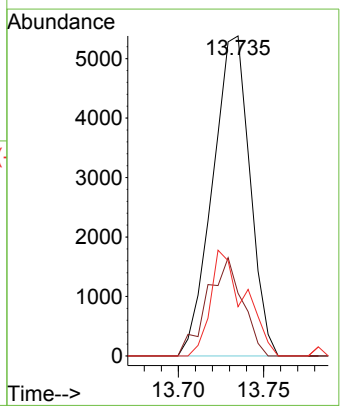


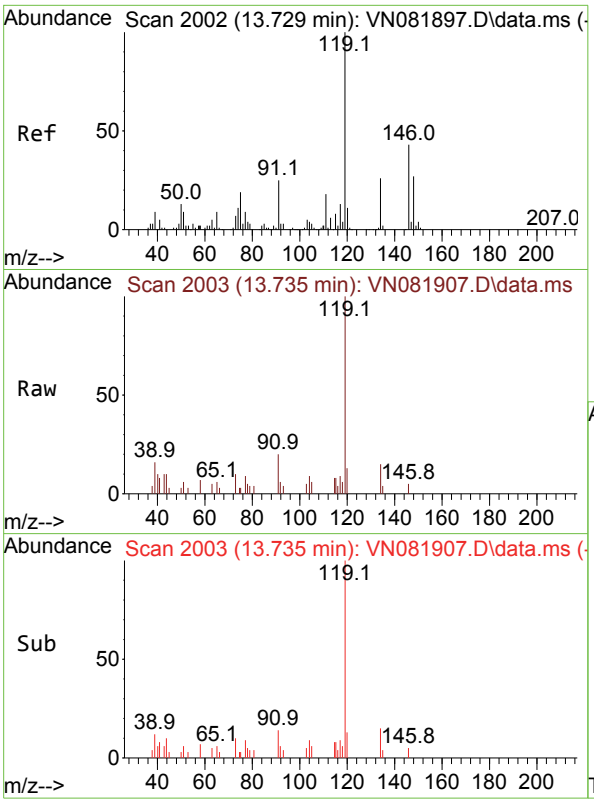


#79
tert-butylbenzene
Concen: 1.340 ug/l
RT: 13.735 min Scan# 2003
Delta R.T. 0.294 min
Lab File: VN081907.D
Acq: 29 Apr 2024 12:20

Tgt Ion:119 Resp: 8183

Ion	Ratio	Lower	Upper
119	100		
91	29.1	0.0	138.8
134	21.7	0.0	48.6



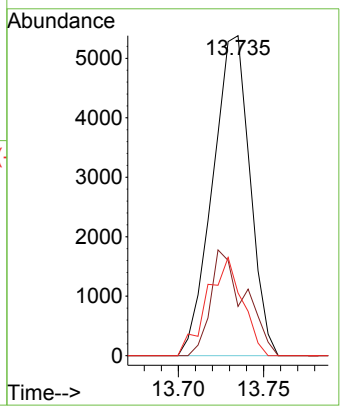


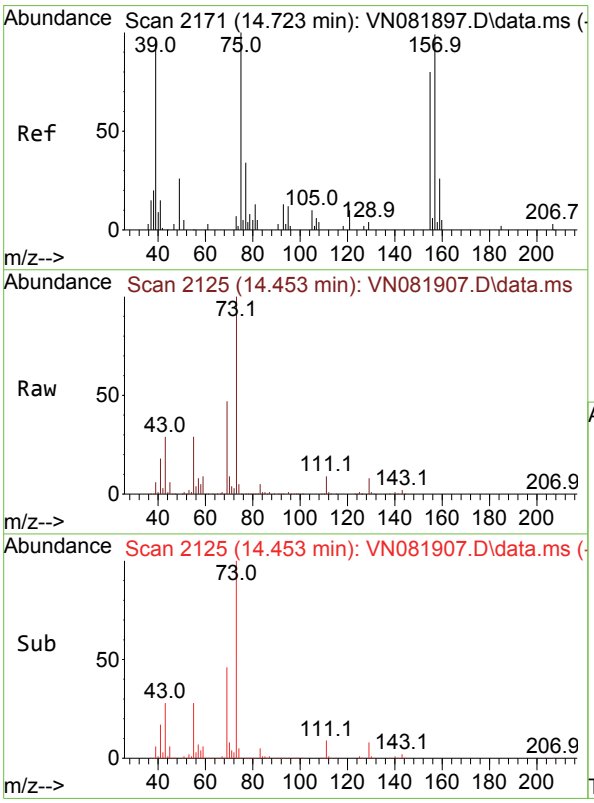
#82
p-Isopropyltoluene
Concen: 1.209 ug/l
RT: 13.735 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN081907.D
Acq: 29 Apr 2024 12:20

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:119 Resp: 8183

Ion	Ratio	Lower	Upper
119	100		
134	21.7	0.0	49.2
91	29.1	0.0	48.8





#88
1,2-Dibromo-3-Chloropropane
Concen: 4.680 ug/l
RT: 14.453 min Scan# 2125
Delta R.T. -0.271 min
Lab File: VN081907.D
Acq: 29 Apr 2024 12:20

Tgt Ion: 75 Resp: 2648

Ion	Ratio	Lower	Upper
75	100		
155	0.0	61.7	92.5#
157	0.0	83.6	125.4#