Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090624\
Data File : VN083698.D
Acq On : 06 Sep 2024 16:00
Operator : JC\MD
Sample : VV0906WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Sep 06 23:48:20 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Sep 06 23:42:47 2024
Response via : Initial Calibration

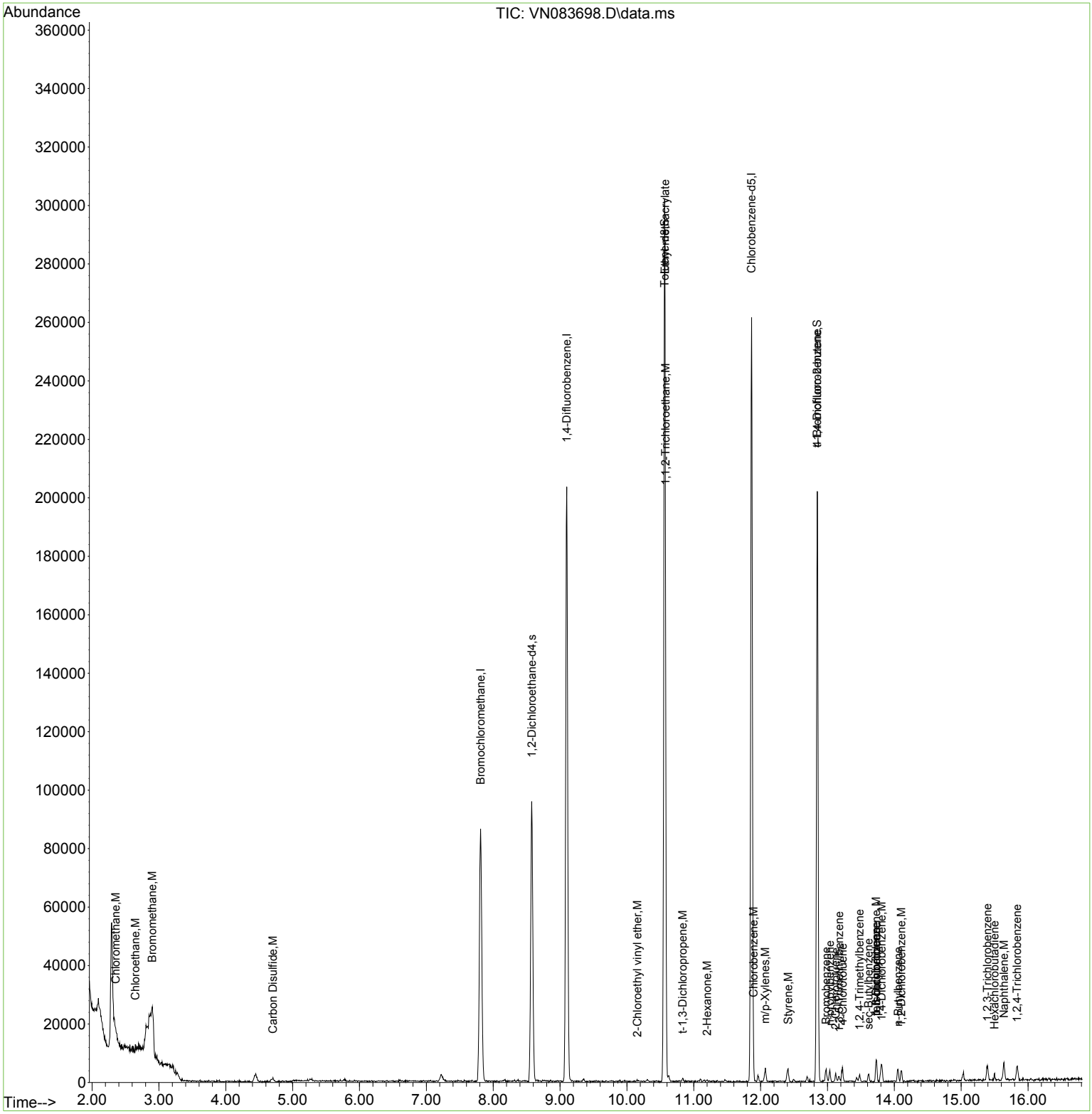
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.812	128	30123	30.000	ug/l		0.00
28) 1,4-Difluorobenzene	9.100	114	168318	30.000	ug/l		0.00
57) Chlorobenzene-d5	11.865	117	142649	30.000	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.577	65	81056	29.438	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 98.133%				
60) 4-Bromofluorobenzene	12.847	95	68924	28.035	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 93.433%				
63) Toluene-d8	10.565	98	198851	30.105	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.367%				
Target Compounds							Qvalue
3) Chloromethane	2.353	50	710	0.339	ug/l		95
5) Bromomethane	2.901	94	406	0.337	ug/l		87
6) Chloroethane	2.648	64	546	0.378	ug/l		90
16) Carbon Disulfide	4.706	76	1365	0.258	ug/l	#	78
48) t-1,3-Dichloropropene	10.835	75	828	0.263	ug/l	#	78
50) 1,1,2-Trichloroethane	10.576	97	6026	3.359	ug/l	#	1
51) Ethyl methacrylate	10.571	69	691	0.225	ug/l	#	58
55) 2-Chloroethyl vinyl ether	10.159	63	342	0.280	ug/l	#	43
59) 2-Hexanone	11.200	43	535	0.313	ug/l	#	57
64) Chlorobenzene	11.894	112	1830	0.360	ug/l	#	81
67) m/p-Xylenes	12.070	106	1500	0.437	ug/l		88
69) Styrene	12.412	104	2251	0.401	ug/l		90
73) Bromobenzene	12.982	156	1030	0.512	ug/l		90
74) n-propylbenzene	13.035	91	3674	0.358	ug/l		94
75) 2-Chlorotoluene	13.123	91	2029	0.317	ug/l		92
76) 1,3,5-Trimethylbenzene	13.176	105	1590	0.217	ug/l		92
77) t-1,4-Dichloro-2-butene	12.847	75	37951	42.794	ug/l	#	12
78) 4-Chlorotoluene	13.229	91	1868	0.288	ug/l		48
79) tert-butylbenzene	13.729	119	2013	0.315	ug/l		60
80) 1,2,4-Trimethylbenzene	13.482	105	1709	0.231	ug/l		95
81) sec-Butylbenzene	13.617	105	2273	0.260	ug/l		82
82) p-Isopropyltoluene	13.729	119	2013	0.274	ug/l		97
83) 1,3-Dichlorobenzene	13.729	146	2395	0.618	ug/l		78
84) 1,4-Dichlorobenzene	13.812	146	3380	0.873	ug/l		88
85) n-Butylbenzene	14.059	91	2936	0.452	ug/l		92
87) 1,2-Dichlorobenzene	14.106	146	2002	0.533	ug/l		98
89) 1,2,4-Trichlorobenzene	15.835	180	1386	0.673	ug/l	#	26
90) Hexachlorobutadiene	15.500	225	528	0.619	ug/l		53
91) Naphthalene	15.641	128	6463	0.960	ug/l		98
92) 1,2,3-Trichlorobenzene	15.394	180	2069	1.005	ug/l		88

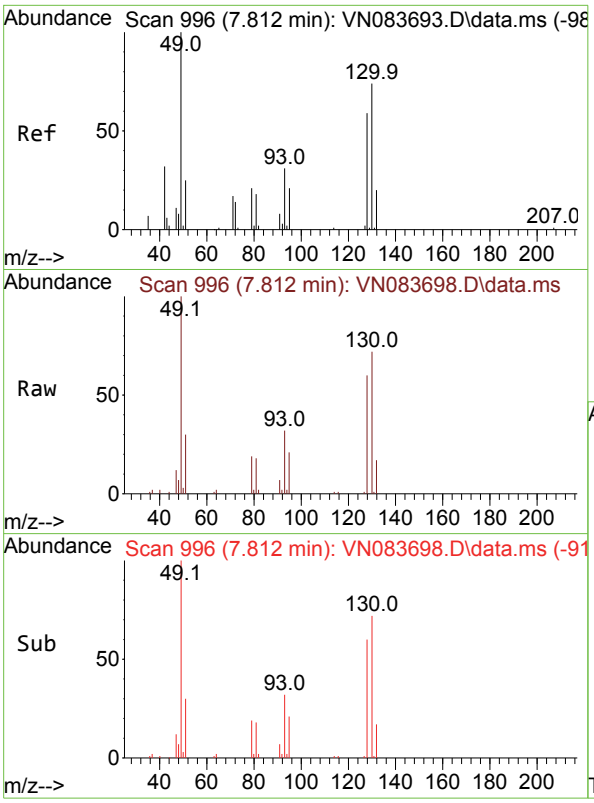
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090624\
Data File : VN083698.D
Acq On : 06 Sep 2024 16:00
Operator : JC\MD
Sample : VV0906WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Sep 06 23:48:20 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Sep 06 23:42:47 2024
Response via : Initial Calibration



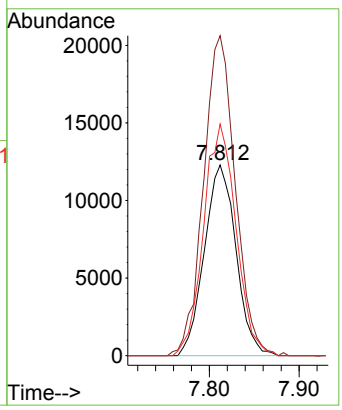


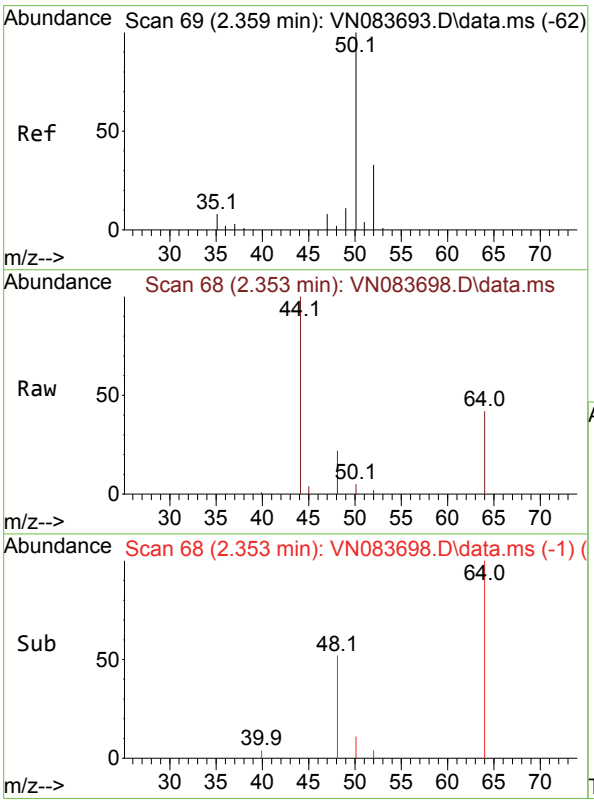
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN083698.D
Acq: 06 Sep 2024 16:00

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 30123

Ion	Ratio	Lower	Upper
128	100		
49	167.9	0.0	403.7
130	124.4	0.0	323.3

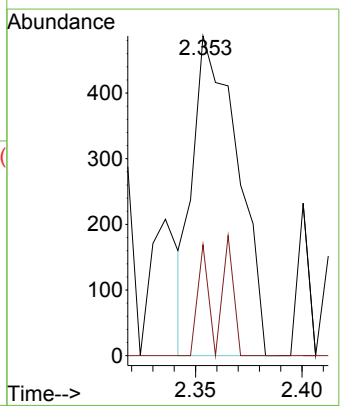


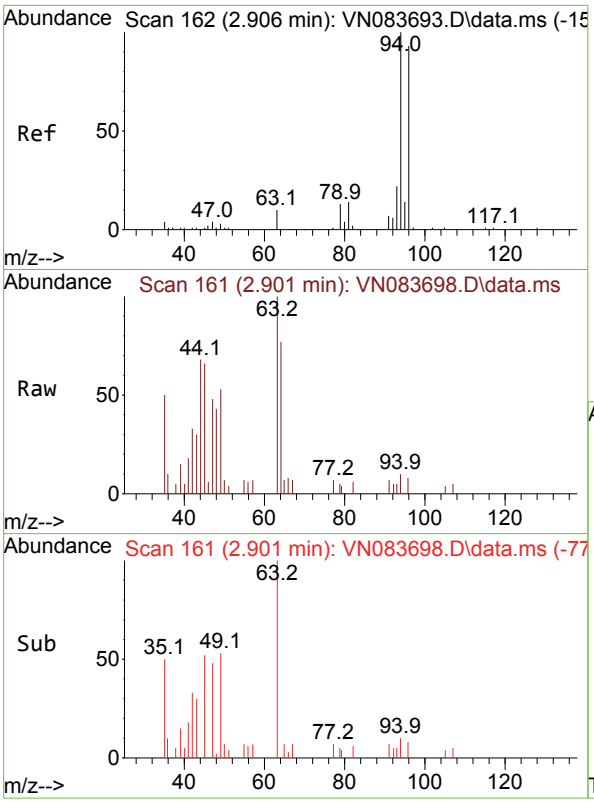


#3
Chloromethane
Concen: 0.339 ug/l
RT: 2.353 min Scan# 68
Delta R.T. -0.006 min
Lab File: VN083698.D
Acq: 06 Sep 2024 16:00

Tgt Ion: 50 Resp: 710

Ion	Ratio	Lower	Upper
50	100		
52	34.7	25.4	38.0



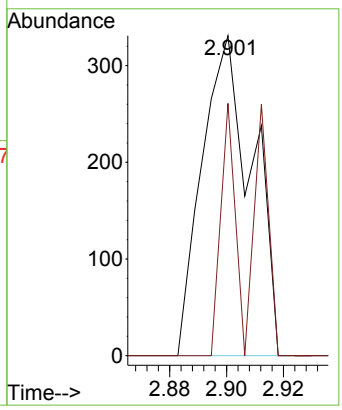


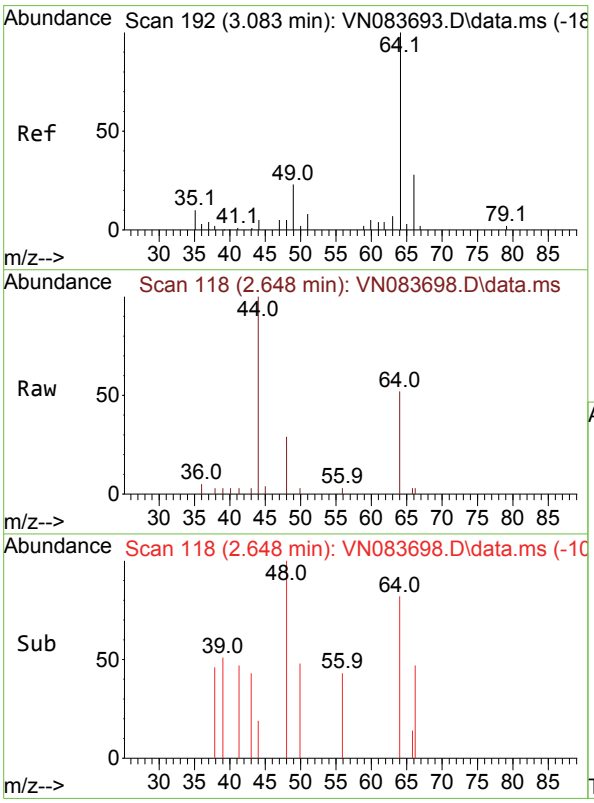
#5
Bromomethane
Concen: 0.337 ug/l
RT: 2.901 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN083698.D
Acq: 06 Sep 2024 16:00

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 94 Resp: 406

Ion	Ratio	Lower	Upper
94	100		
96	78.9	72.8	109.2

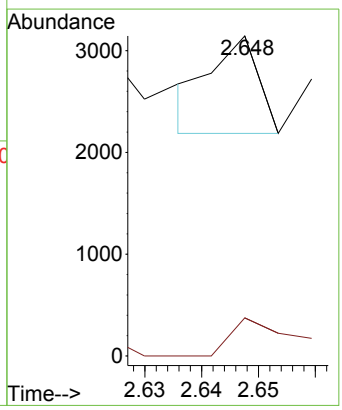


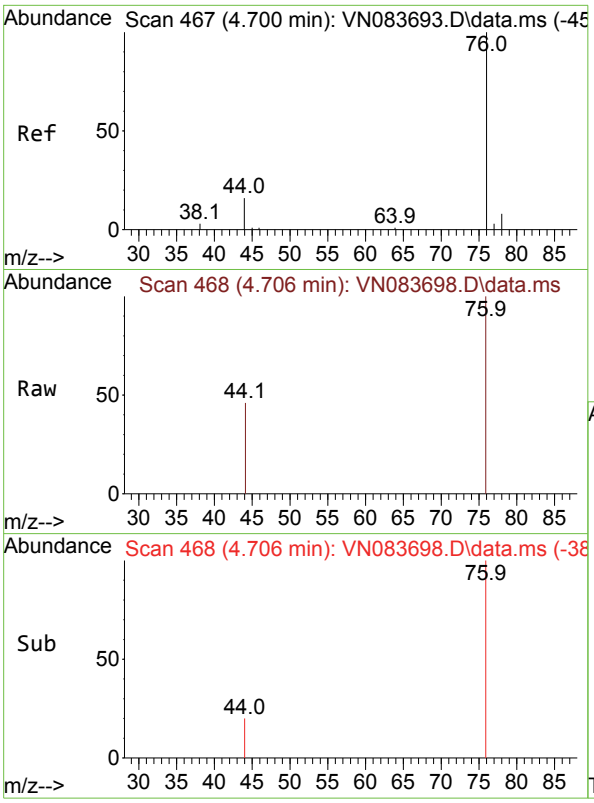


#6
Chloroethane
Concen: 0.378 ug/l
RT: 2.648 min Scan# 118
Delta R.T. -0.435 min
Lab File: VN083698.D
Acq: 06 Sep 2024 16:00

Tgt Ion: 64 Resp: 546

Ion	Ratio	Lower	Upper
64	100		
66	39.2	26.7	40.1



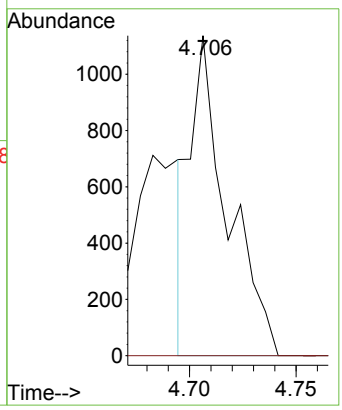


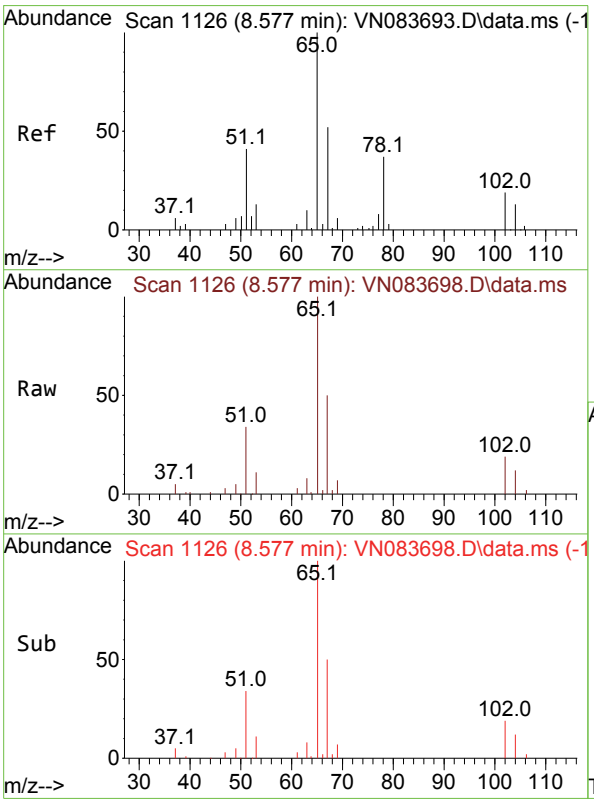
#16
Carbon Disulfide
Concen: 0.258 ug/l
RT: 4.706 min Scan# 4
Delta R.T. 0.006 min
Lab File: VN083698.D
Acq: 06 Sep 2024 16:00

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 76 Resp: 1365

Ion	Ratio	Lower	Upper
76	100		
78	0.0	6.3	9.5#

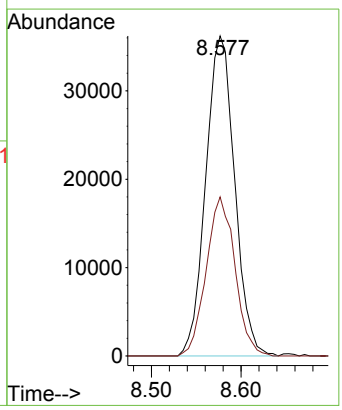


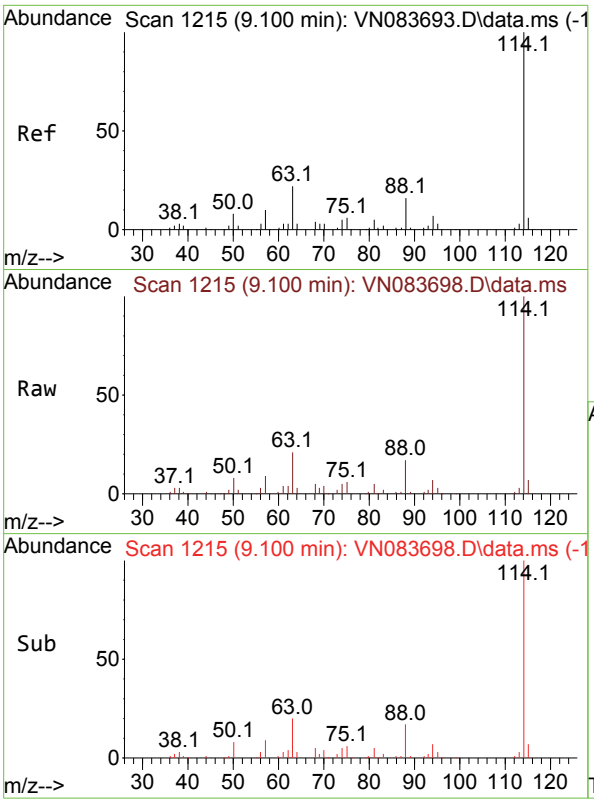


#27
1,2-Dichloroethane-d4
Concen: 29.438 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN083698.D
Acq: 06 Sep 2024 16:00

Tgt Ion: 65 Resp: 81056

Ion	Ratio	Lower	Upper
65	100		
67	49.5	43.2	64.8



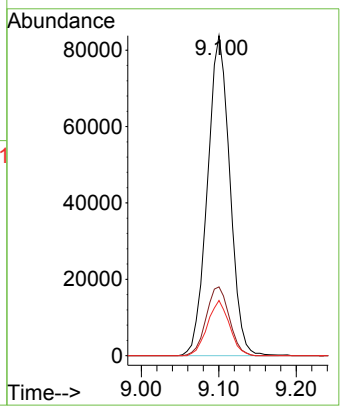


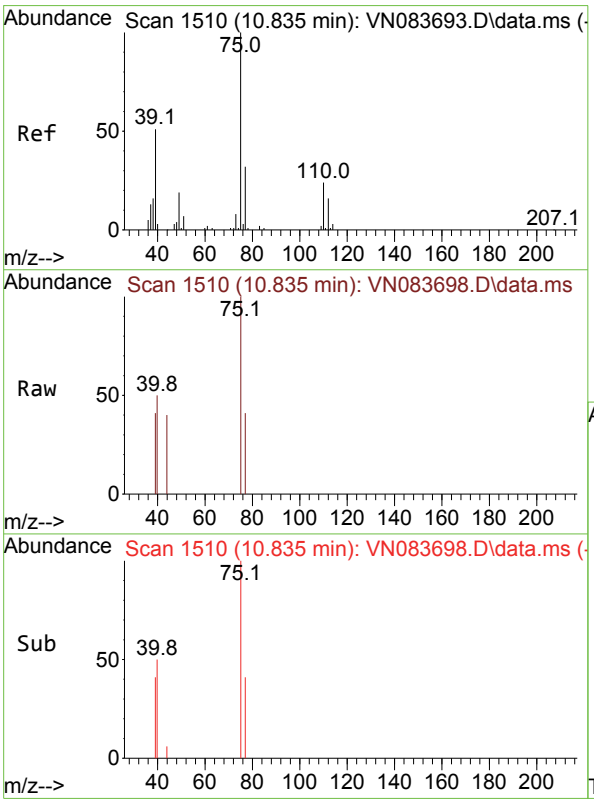
#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN083698.D
Acq: 06 Sep 2024 16:00

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:114 Resp: 168318

Ion	Ratio	Lower	Upper
114	100		
63	22.2	15.9	23.9
88	16.9	12.7	19.1

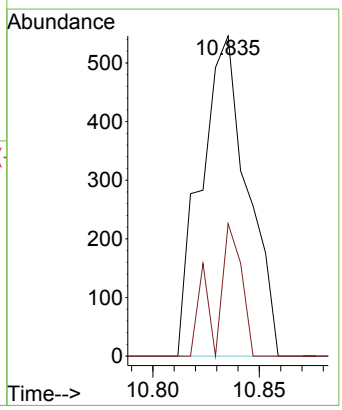


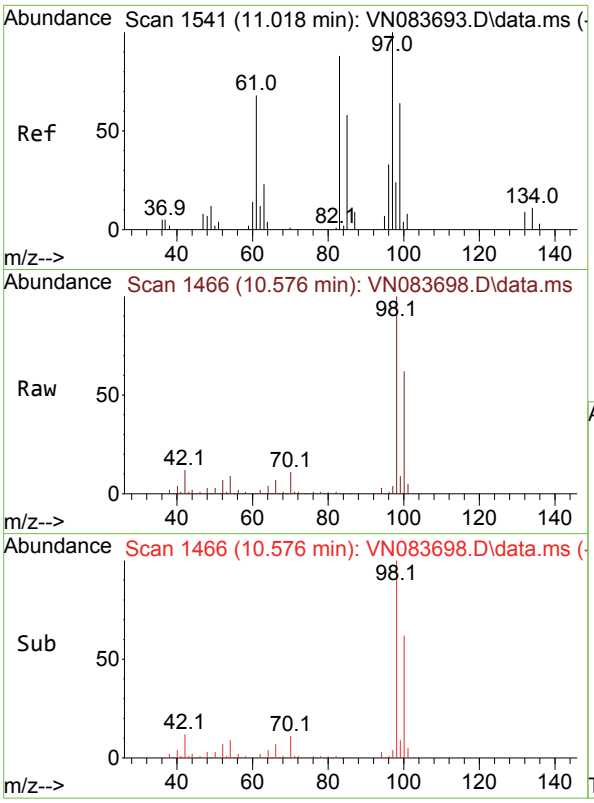


#48
t-1,3-Dichloropropene
Concen: 0.263 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. 0.000 min
Lab File: VN083698.D
Acq: 06 Sep 2024 16:00

Tgt Ion: 75 Resp: 828

Ion	Ratio	Lower	Upper
75	100		
77	41.4	23.8	35.6#



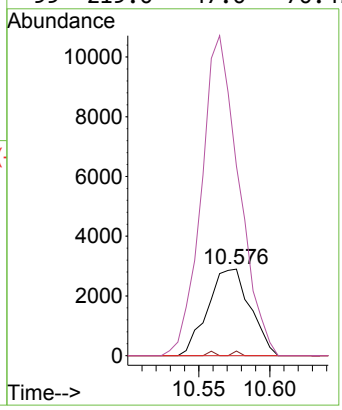


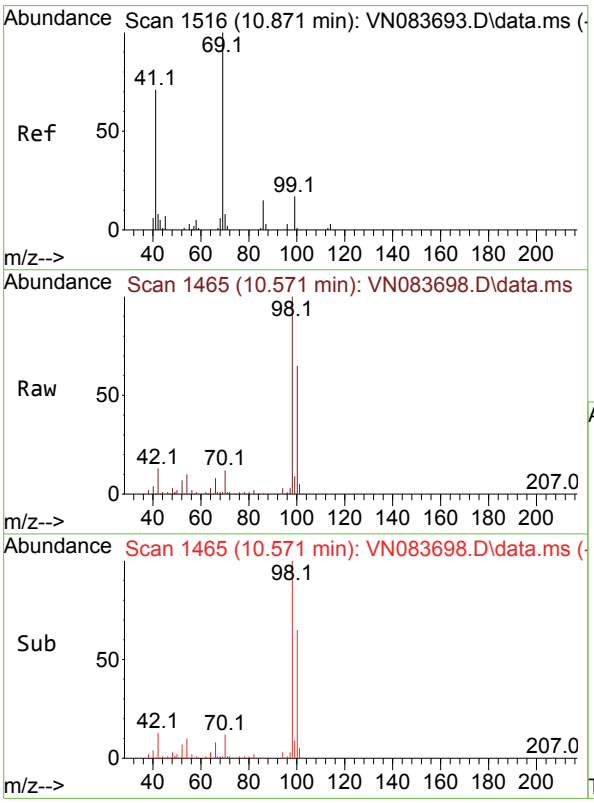
#50
1,1,2-Trichloroethane
Concen: 3.359 ug/l
RT: 10.576 min Scan# 14
Delta R.T. -0.441 min
Lab File: VN083698.D
Acq: 06 Sep 2024 16:00

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 97 Resp: 6026

Ion	Ratio	Lower	Upper
97	100		
83	5.3	68.1	102.1#
85	0.0	41.8	62.6#
99	219.0	47.0	70.4#

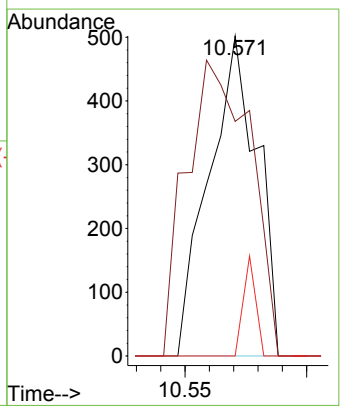


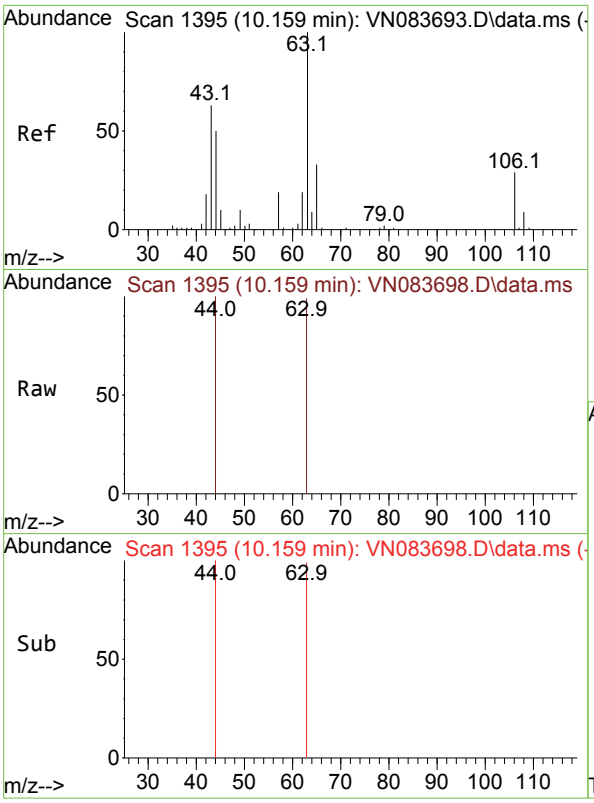


#51
Ethyl methacrylate
Concen: 0.225 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.300 min
Lab File: VN083698.D
Acq: 06 Sep 2024 16:00

Tgt Ion: 69 Resp: 691

Ion	Ratio	Lower	Upper
69	100		
41	73.3	25.5	76.5
39	0.0	16.0	47.9#



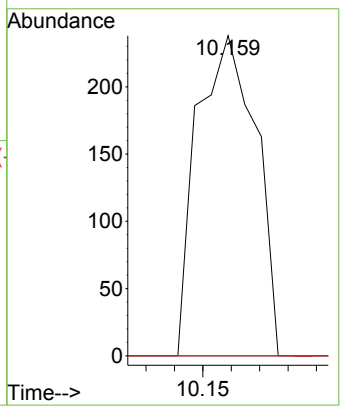


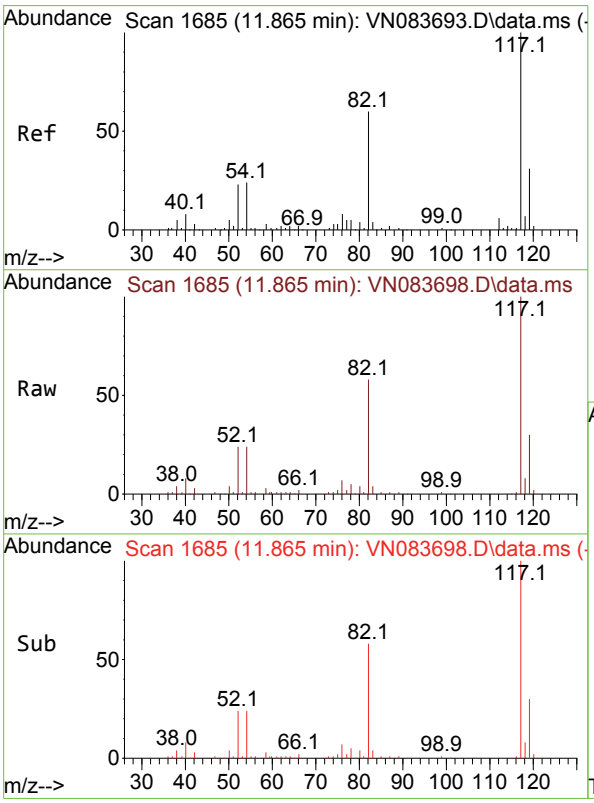
#55
2-Chloroethyl vinyl ether
Concen: 0.280 ug/l
RT: 10.159 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN083698.D
Acq: 06 Sep 2024 16:00

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 63 Resp: 342

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

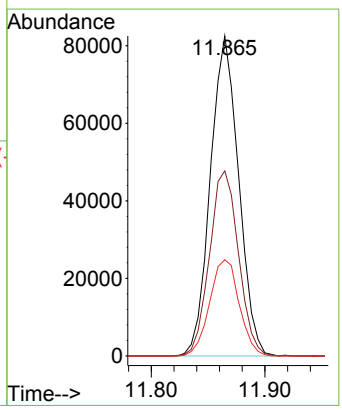


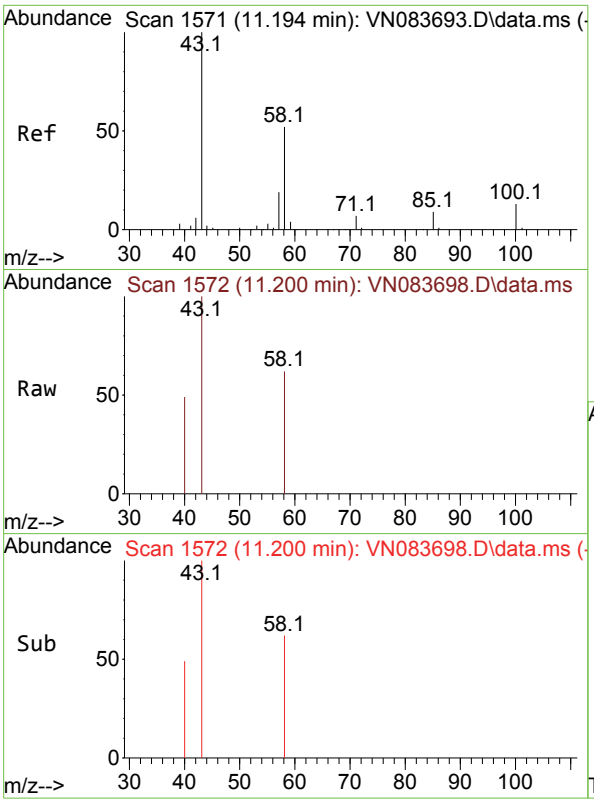


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN083698.D
Acq: 06 Sep 2024 16:00

Tgt Ion:117 Resp: 142649

Ion	Ratio	Lower	Upper
117	100		
82	59.3	46.6	69.8
119	31.5	25.4	38.2



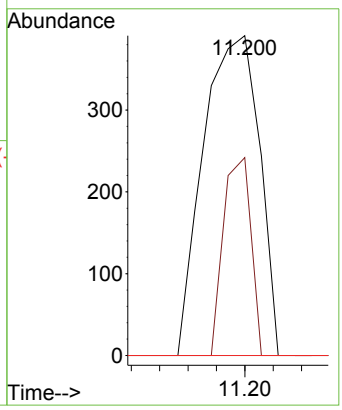


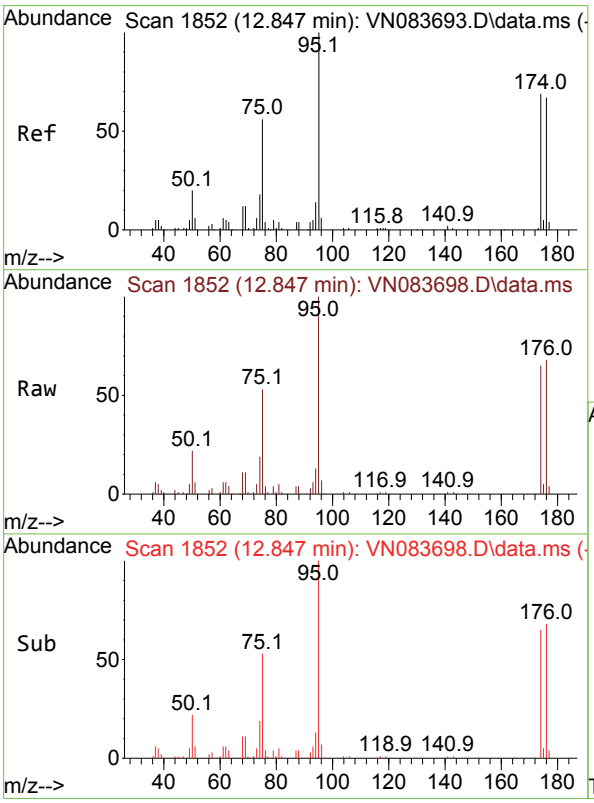
#59
2-Hexanone
Concen: 0.313 ug/l
RT: 11.200 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN083698.D
Acq: 06 Sep 2024 16:00

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 43 Resp: 535

Ion	Ratio	Lower	Upper
43	100		
58	30.5	50.4	75.6#
57	0.0	18.6	27.8#

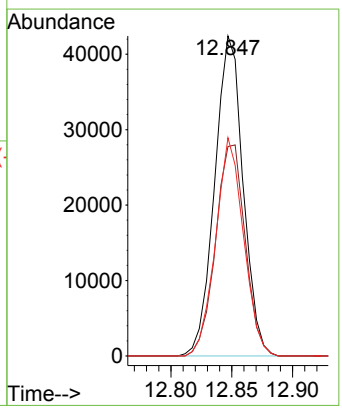


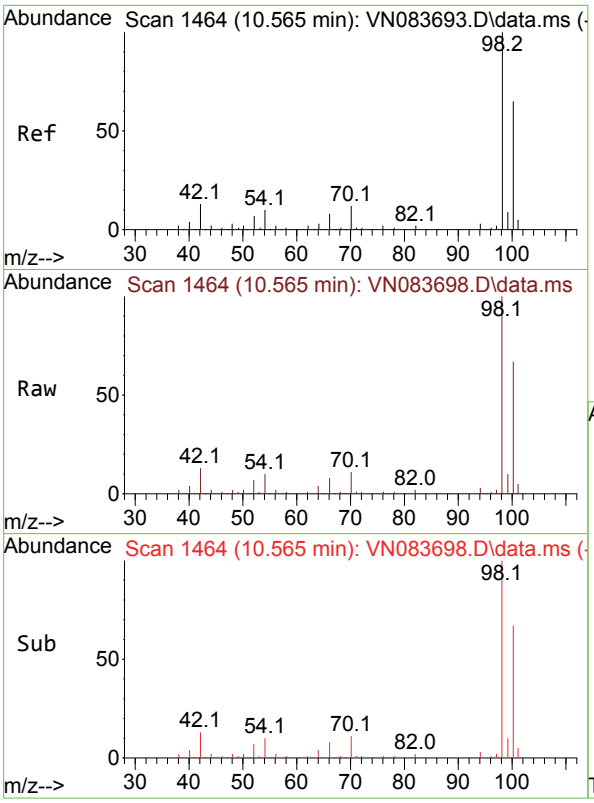


#60
4-Bromofluorobenzene
Concen: 28.035 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN083698.D
Acq: 06 Sep 2024 16:00

Tgt Ion: 95 Resp: 68924

Ion	Ratio	Lower	Upper
95	100		
174	68.9	60.5	90.7
176	67.0	57.8	86.6



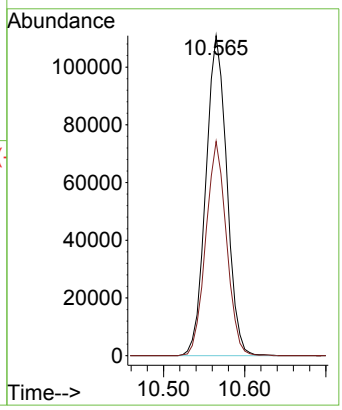


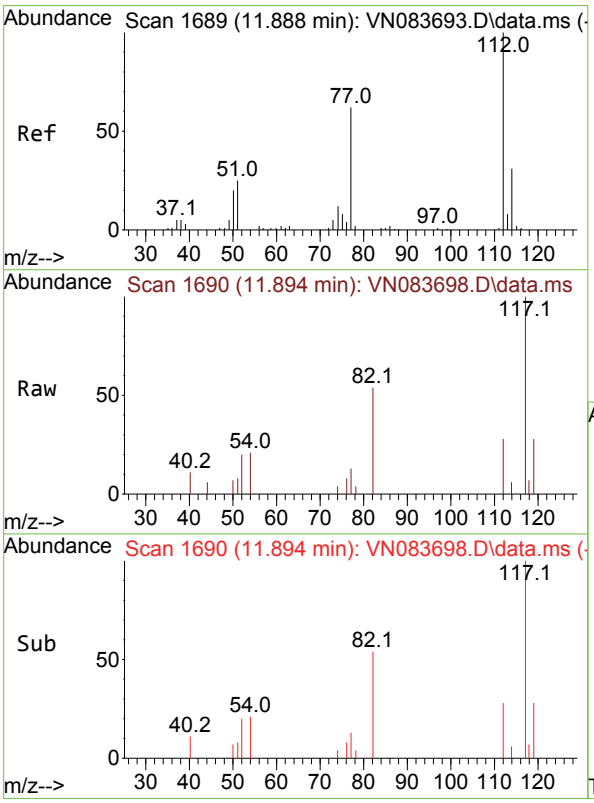
#63
Toluene-d8
Concen: 30.105 ug/l
RT: 10.565 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN083698.D
Acq: 06 Sep 2024 16:00

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 98 Resp: 198851

Ion	Ratio	Lower	Upper
98	100		
100	66.0	52.7	79.1

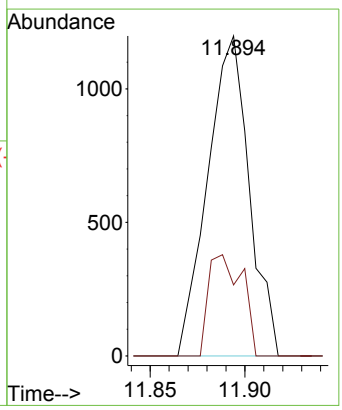


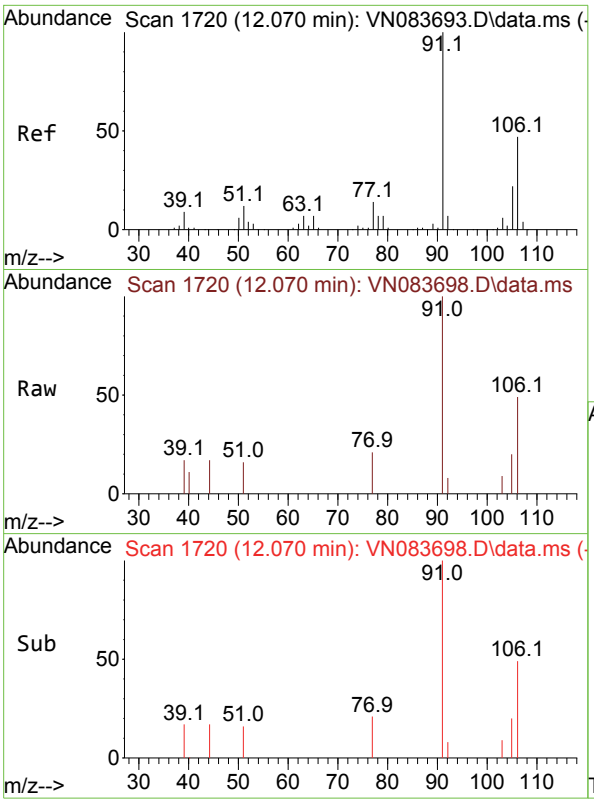


#64
Chlorobenzene
Concen: 0.360 ug/l
RT: 11.894 min Scan# 1690
Delta R.T. 0.006 min
Lab File: VN083698.D
Acq: 06 Sep 2024 16:00

Tgt Ion:112 Resp: 1830

Ion	Ratio	Lower	Upper
112	100		
114	22.2	26.6	39.8#



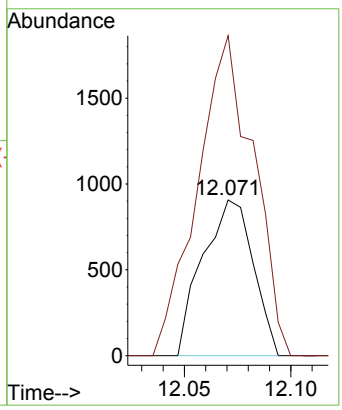


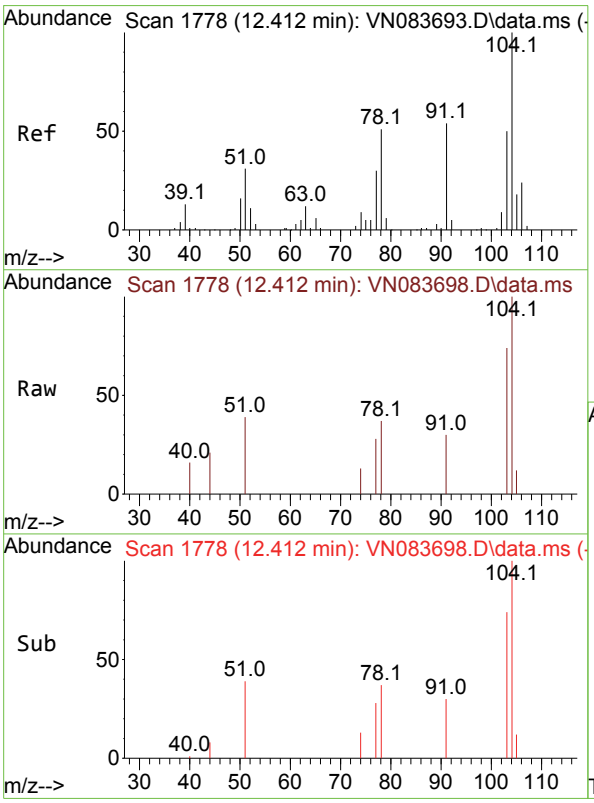
#67
m/p-Xylenes
Concen: 0.437 ug/l
RT: 12.070 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN083698.D
Acq: 06 Sep 2024 16:00

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:106 Resp: 1500

Ion	Ratio	Lower	Upper
106	100		
91	227.4	166.6	249.8

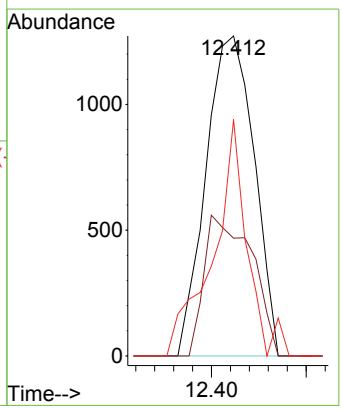


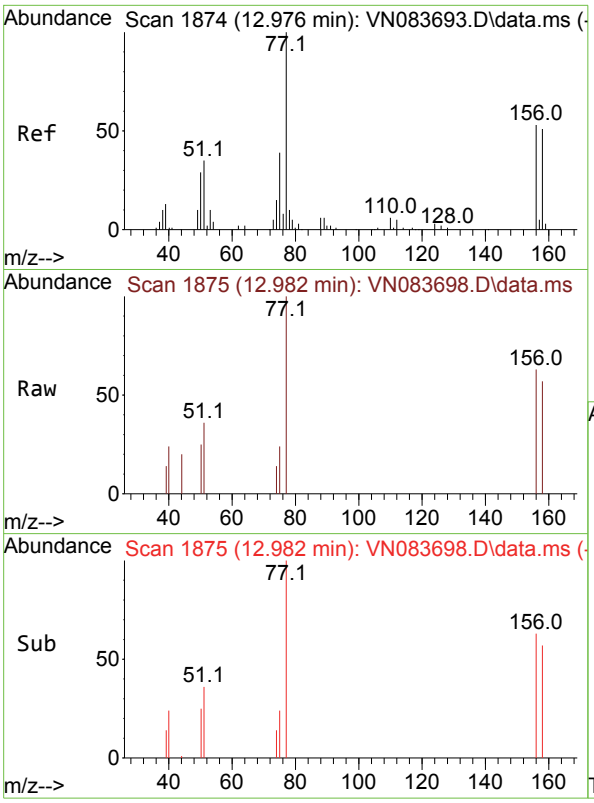


#69
Styrene
Concen: 0.401 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VN083698.D
Acq: 06 Sep 2024 16:00

Tgt Ion:104 Resp: 2251

Ion	Ratio	Lower	Upper
104	100		
78	43.5	42.6	64.0
103	49.6	43.7	65.5



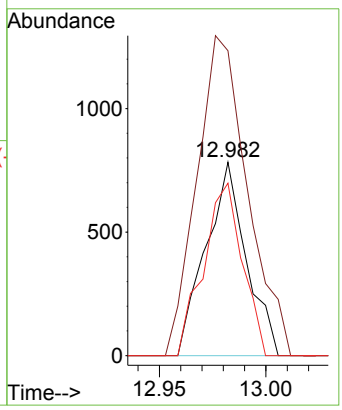


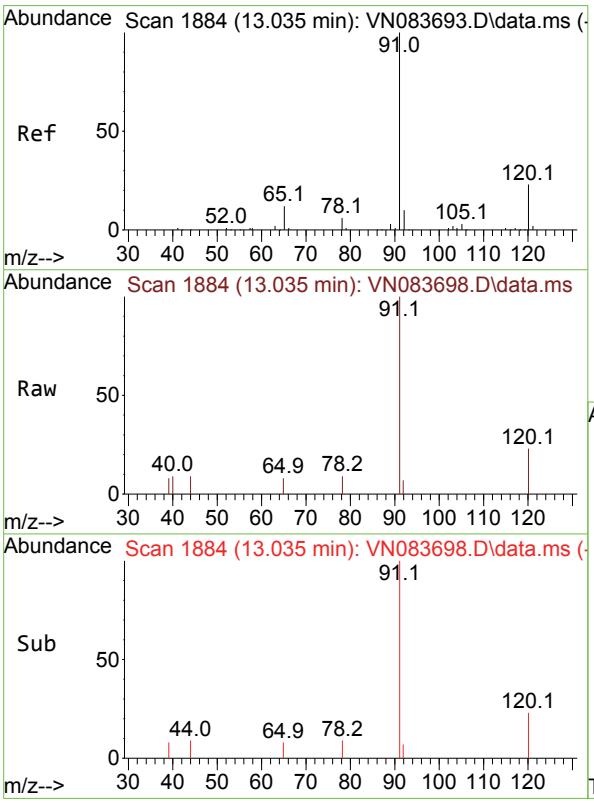
#73
Bromobenzene
Concen: 0.512 ug/l
RT: 12.982 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN083698.D
Acq: 06 Sep 2024 16:00

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:156 Resp: 1030

Ion	Ratio	Lower	Upper
156	100		
77	207.8	0.0	437.6
158	85.9	0.0	203.8

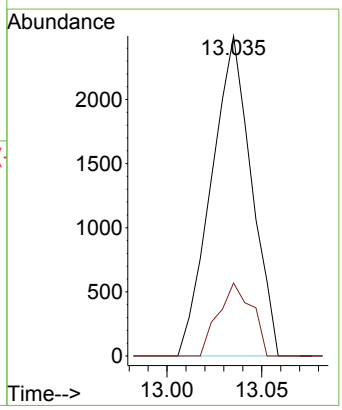


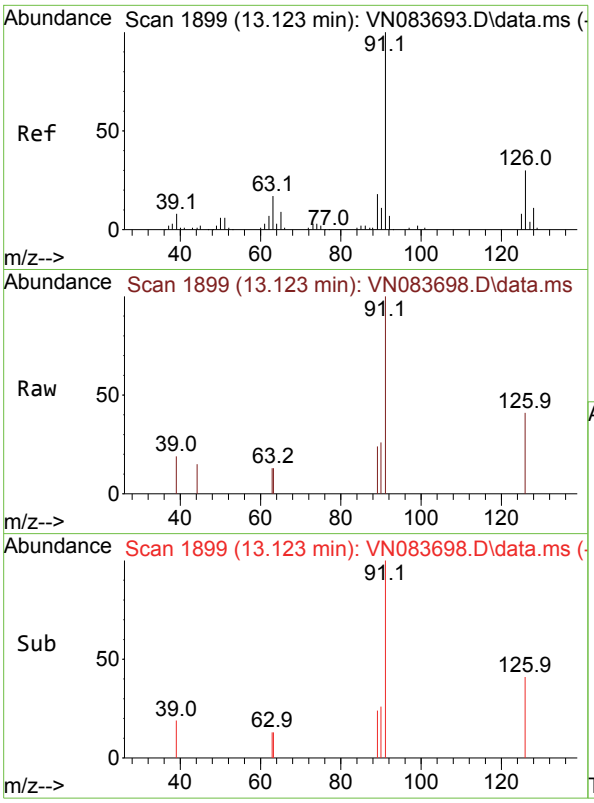


#74
n-propylbenzene
Concen: 0.358 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN083698.D
Acq: 06 Sep 2024 16:00

Tgt Ion: 91 Resp: 3674

Ion	Ratio	Lower	Upper
91	100		
120	19.1	0.0	43.8



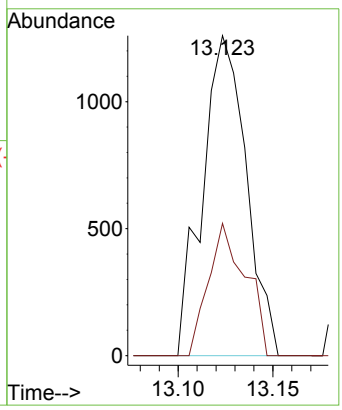


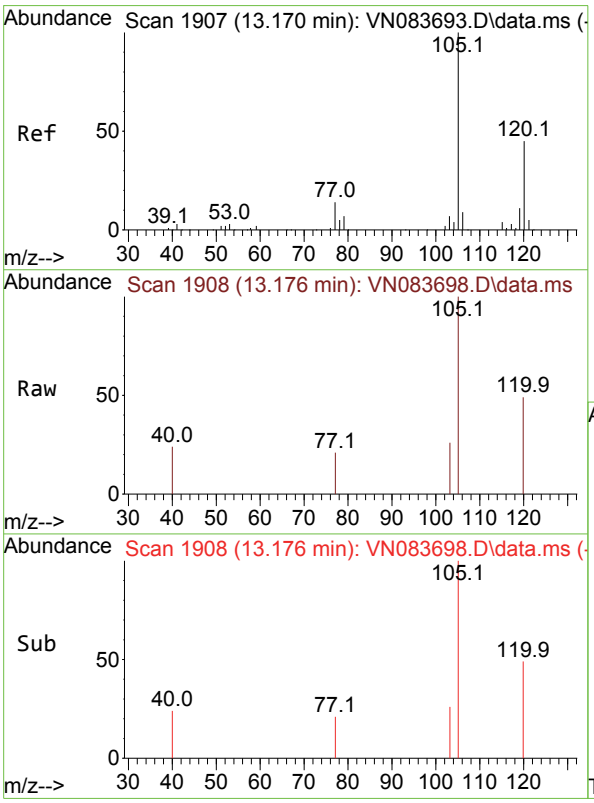
#75
2-Chlorotoluene
Concen: 0.317 ug/l
RT: 13.123 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN083698.D
Acq: 06 Sep 2024 16:00

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 91 Resp: 2029

Ion	Ratio	Lower	Upper
91	100		
126	35.0	0.0	61.2

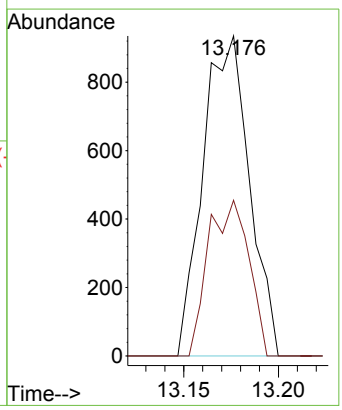


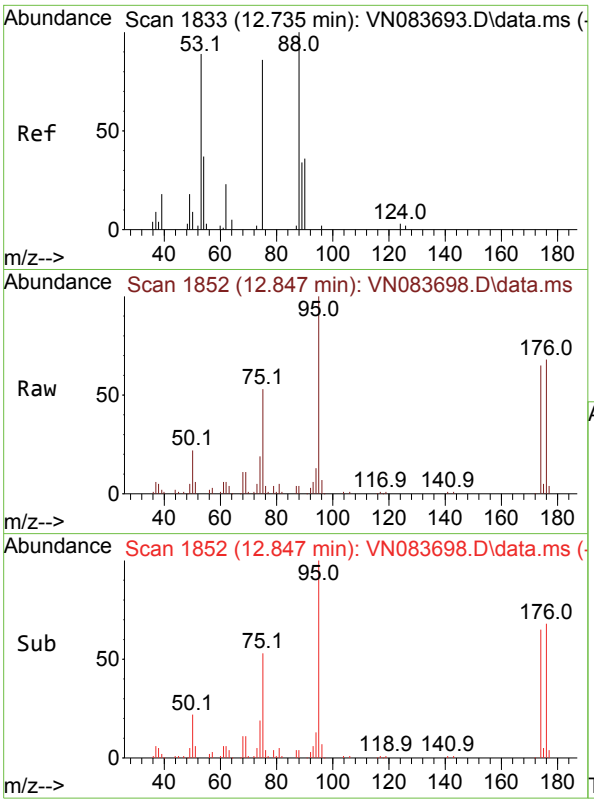


#76
1,3,5-Trimethylbenzene
Concen: 0.217 ug/l
RT: 13.176 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VN083698.D
Acq: 06 Sep 2024 16:00

Tgt Ion:105 Resp: 1590

Ion	Ratio	Lower	Upper
105	100		
120	42.6	0.0	95.8



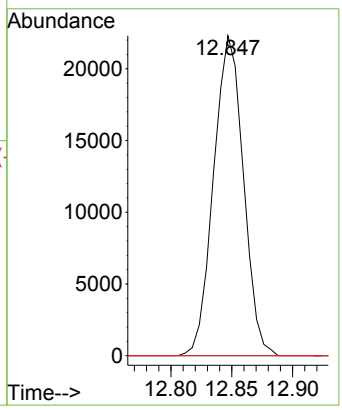


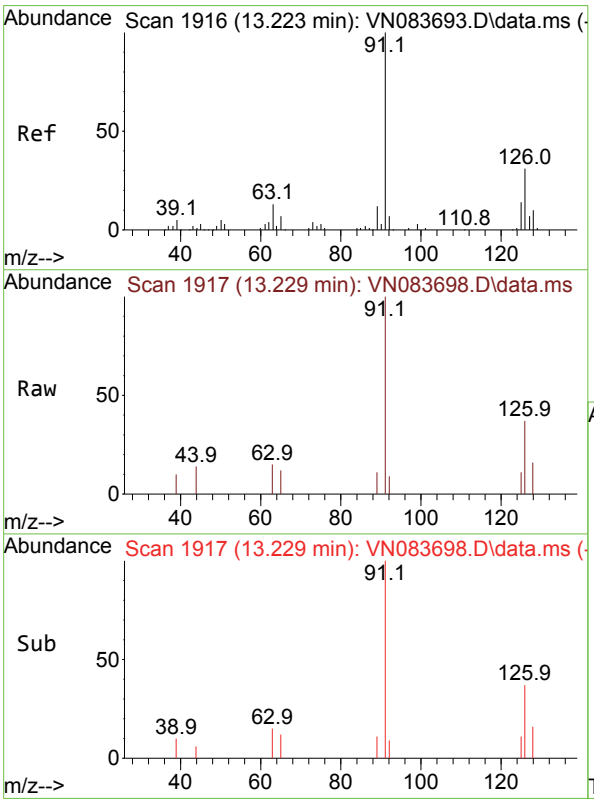
#77
t-1,4-Dichloro-2-butene
Concen: 42.794 ug/l
RT: 12.847 min Scan# 1
Delta R.T. 0.112 min
Lab File: VN083698.D
Acq: 06 Sep 2024 16:00

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 37951

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

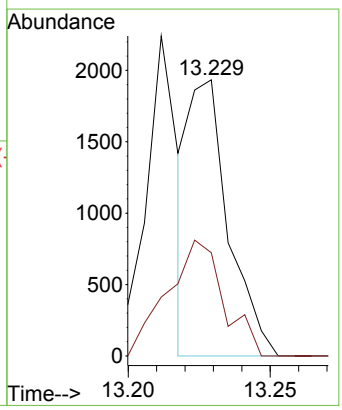


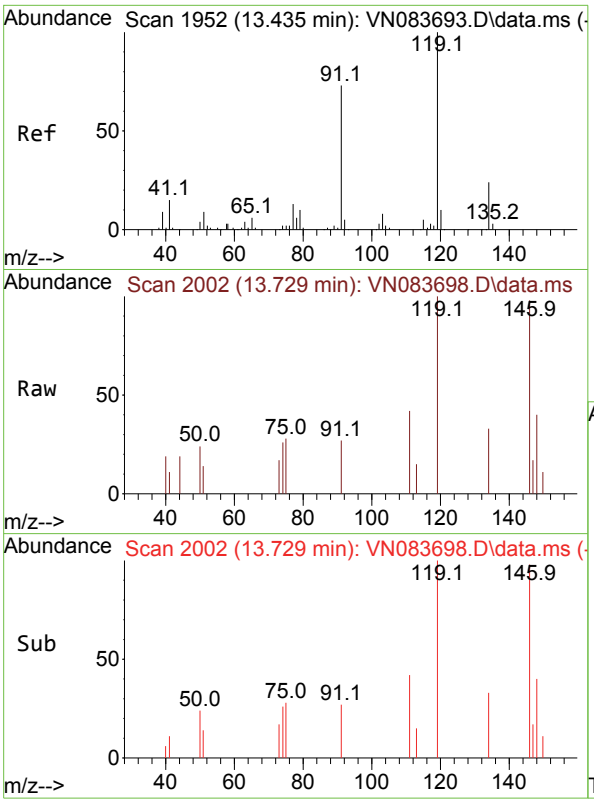


#78
4-Chlorotoluene
Concen: 0.288 ug/l
RT: 13.229 min Scan# 1917
Delta R.T. 0.006 min
Lab File: VN083698.D
Acq: 06 Sep 2024 16:00

Tgt Ion: 91 Resp: 1868

Ion	Ratio	Lower	Upper
91	100		
126	60.1	0.0	62.8



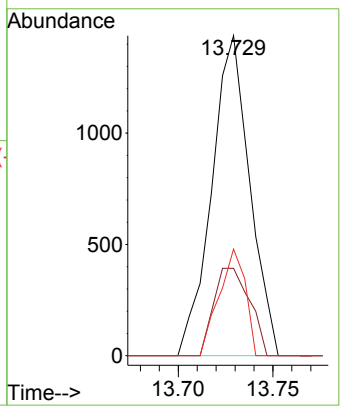


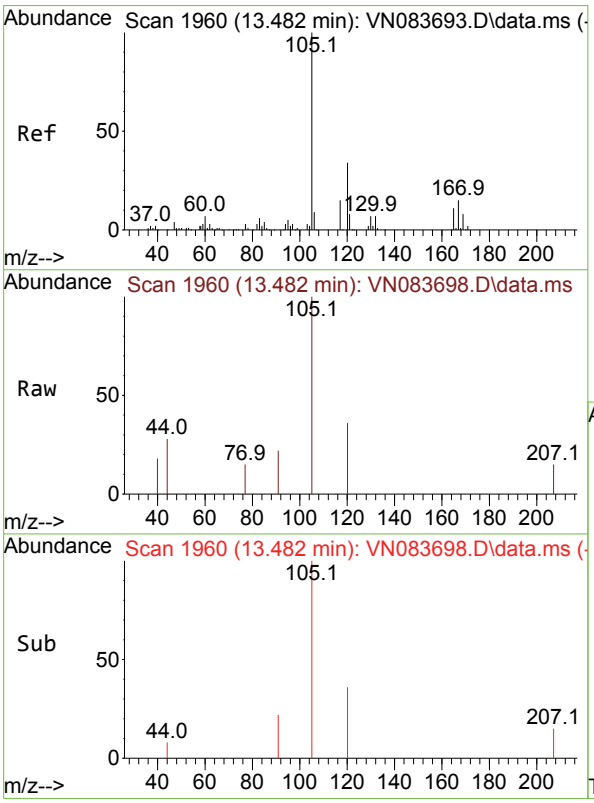
#79
tert-butylbenzene
Concen: 0.315 ug/l
RT: 13.729 min Scan# 2
Delta R.T. 0.294 min
Lab File: VN083698.D
Acq: 06 Sep 2024 16:00

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:119 Resp: 2013

Ion	Ratio	Lower	Upper
119	100		
91	25.7	0.0	138.8
134	23.0	0.0	48.6

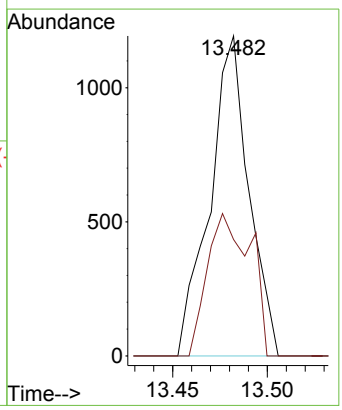


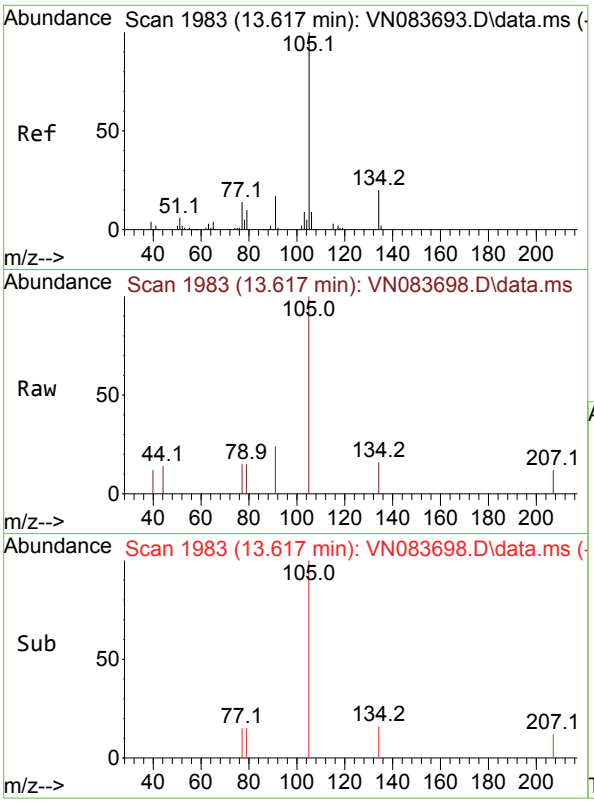


#80
1,2,4-Trimethylbenzene
Concen: 0.231 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN083698.D
Acq: 06 Sep 2024 16:00

Tgt Ion:105 Resp: 1709

Ion	Ratio	Lower	Upper
105	100		
120	39.9	0.0	86.8



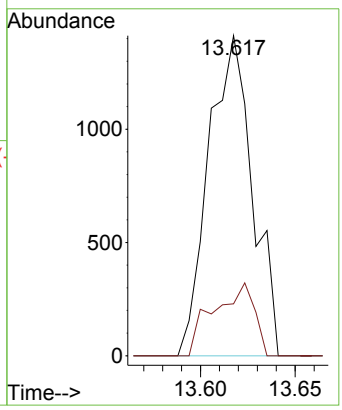


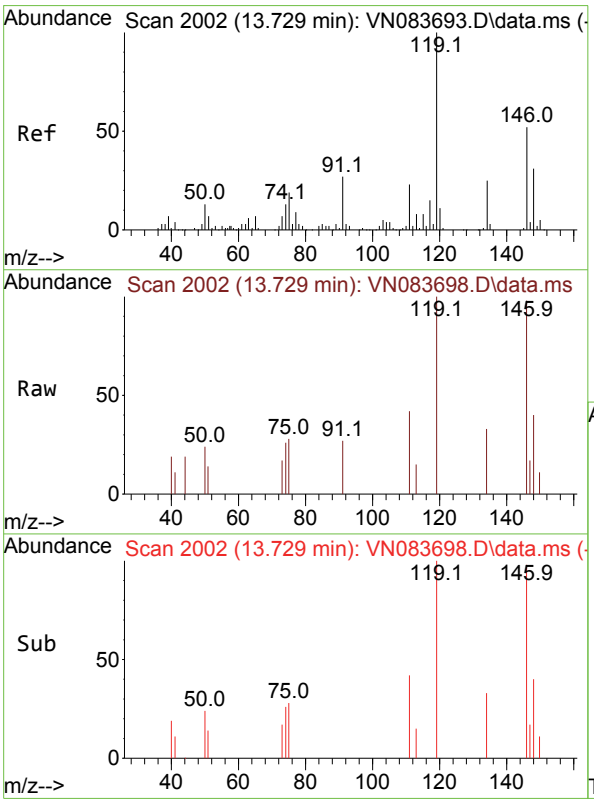
#81
sec-Butylbenzene
Concen: 0.260 ug/l
RT: 13.617 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN083698.D
Acq: 06 Sep 2024 16:00

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:105 Resp: 2273

Ion	Ratio	Lower	Upper
105	100		
134	11.5	0.0	39.0

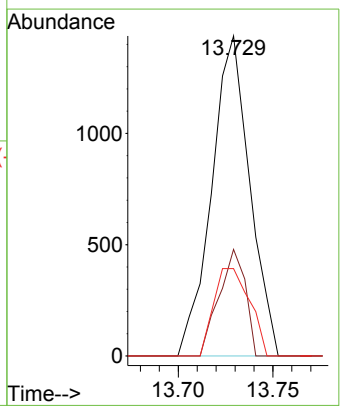


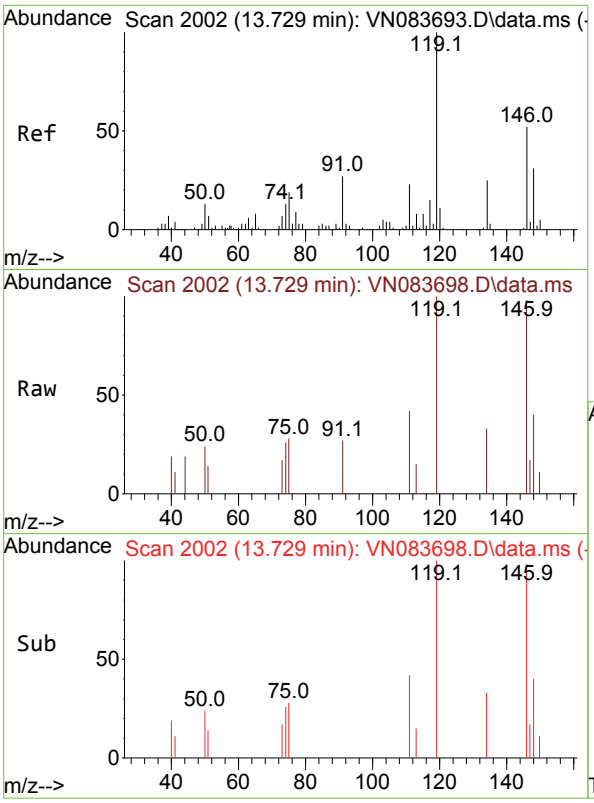


#82
p-Isopropyltoluene
Concen: 0.274 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN083698.D
Acq: 06 Sep 2024 16:00

Tgt Ion:119 Resp: 2013

Ion	Ratio	Lower	Upper
119	100		
134	23.0	0.0	49.2
91	25.7	0.0	48.8



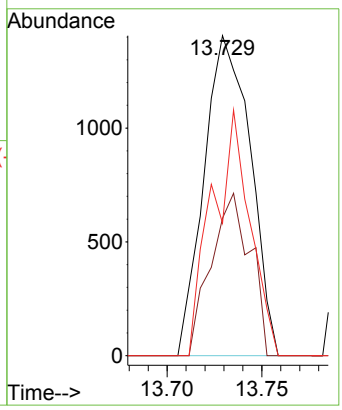


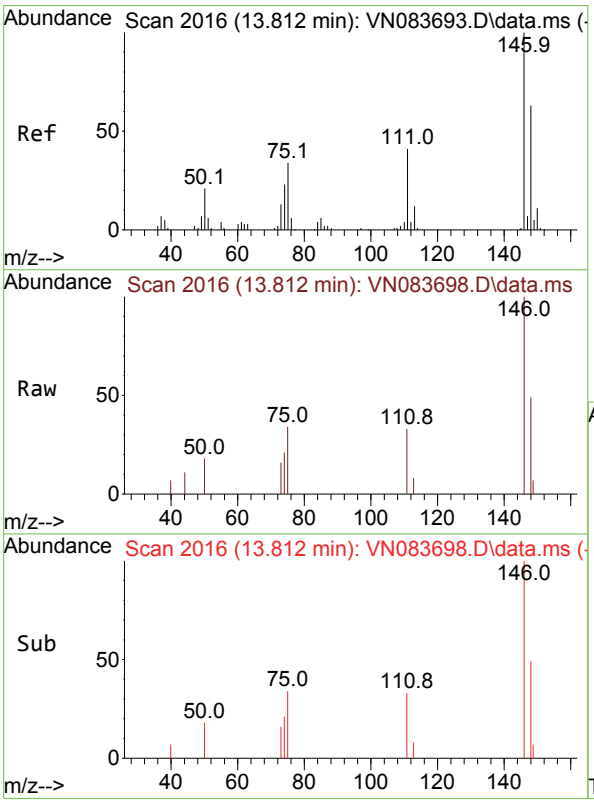
#83
1,3-Dichlorobenzene
Concen: 0.618 ug/l
RT: 13.729 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN083698.D
Acq: 06 Sep 2024 16:00

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:146 Resp: 2395

Ion	Ratio	Lower	Upper
146	100		
111	43.0	22.4	67.0
148	35.9	32.1	96.5

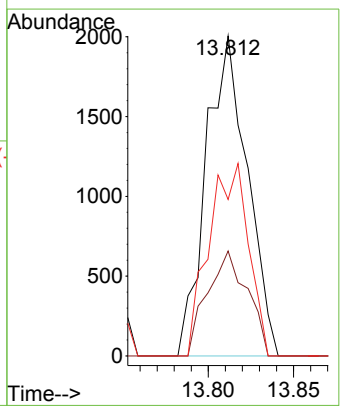


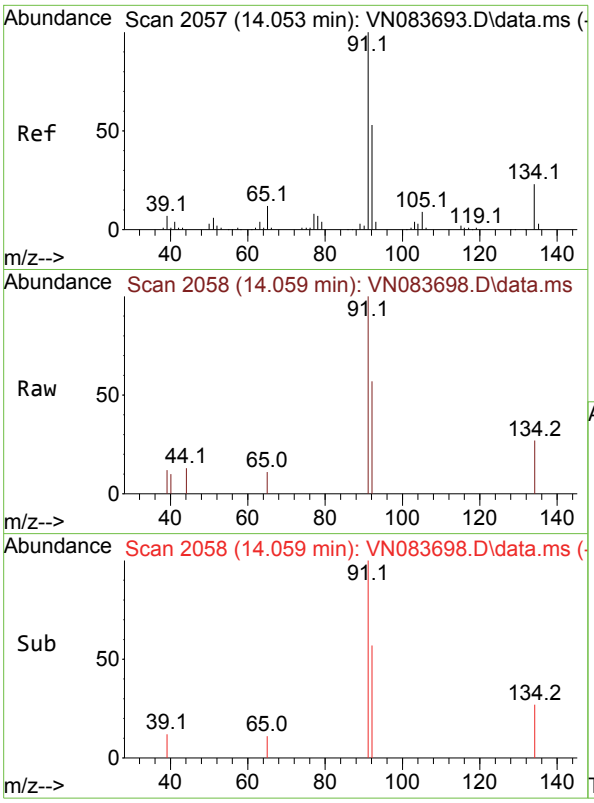


#84
1,4-Dichlorobenzene
Concen: 0.873 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. 0.000 min
Lab File: VN083698.D
Acq: 06 Sep 2024 16:00

Tgt Ion:146 Resp: 3380

Ion	Ratio	Lower	Upper
146	100		
111	31.7	21.3	63.9
148	57.7	31.9	95.5



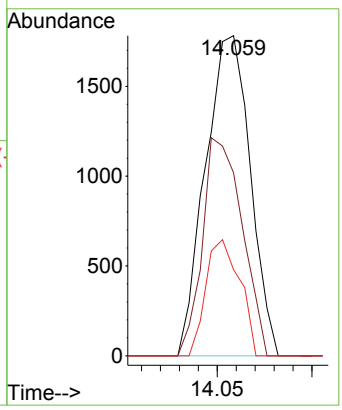


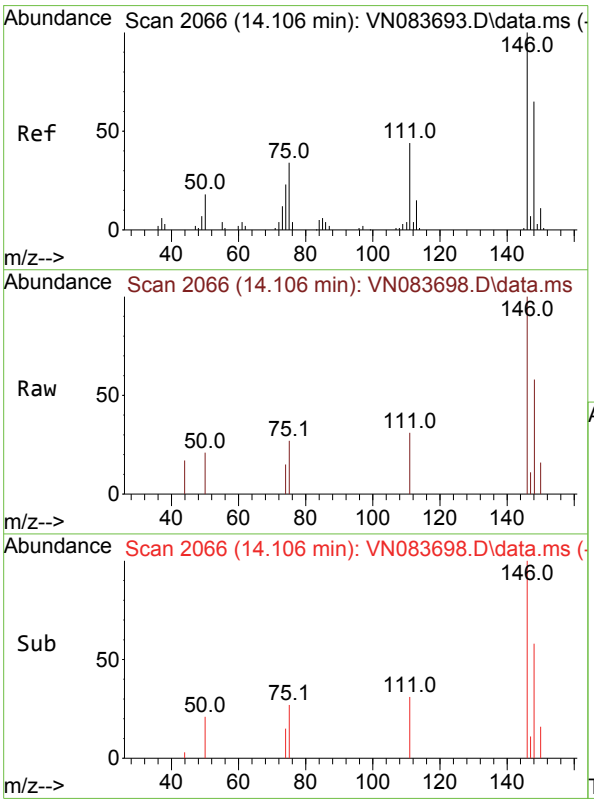
#85
n-Butylbenzene
Concen: 0.452 ug/l
RT: 14.059 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN083698.D
Acq: 06 Sep 2024 16:00

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 91 Resp: 2936

Ion	Ratio	Lower	Upper
91	100		
92	60.2	0.0	105.0
134	27.4	0.0	51.8

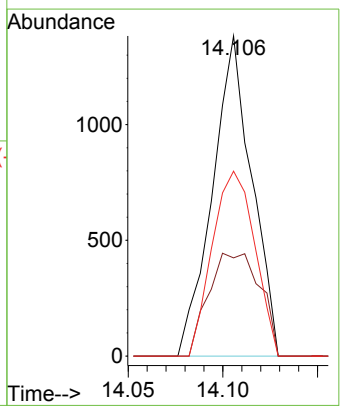


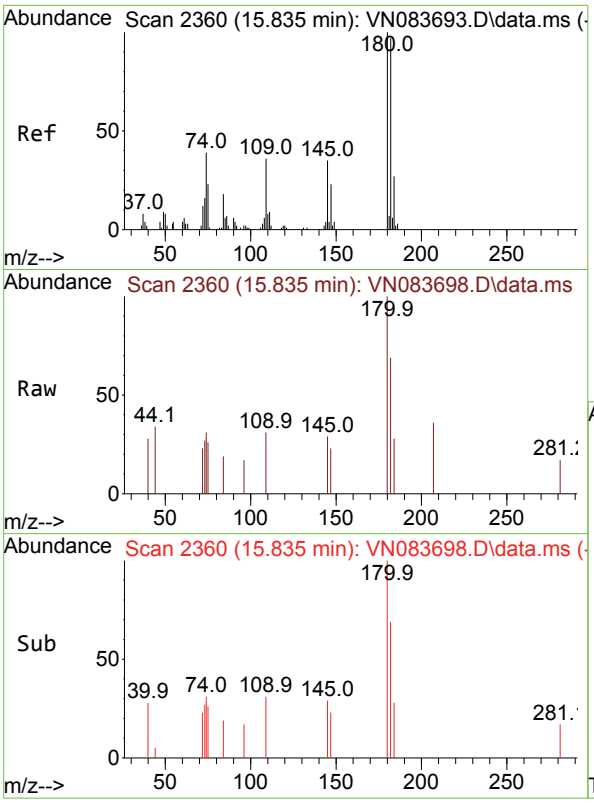


#87
1,2-Dichlorobenzene
Concen: 0.533 ug/l
RT: 14.106 min Scan# 2066
Delta R.T. 0.000 min
Lab File: VN083698.D
Acq: 06 Sep 2024 16:00

Tgt Ion:146 Resp: 2002

Ion	Ratio	Lower	Upper
146	100		
111	41.9	22.6	67.8
148	62.2	31.3	93.8



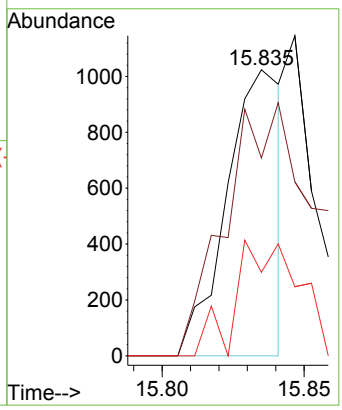


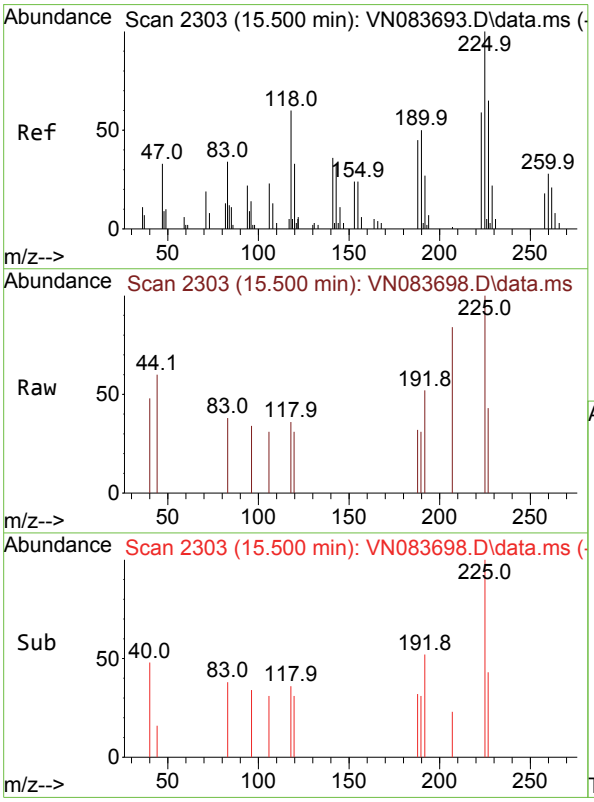
#89
1,2,4-Trichlorobenzene
Concen: 0.673 ug/l
RT: 15.835 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN083698.D
Acq: 06 Sep 2024 16:00

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:180 Resp: 1386

Ion	Ratio	Lower	Upper
180	100		
182	0.0	76.4	114.6#
145	41.3	28.4	42.6

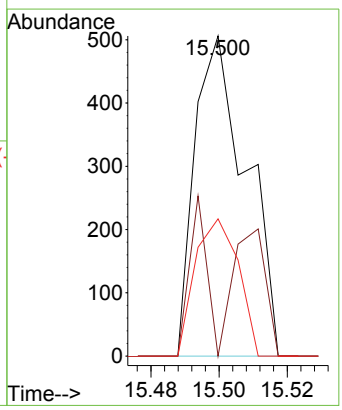


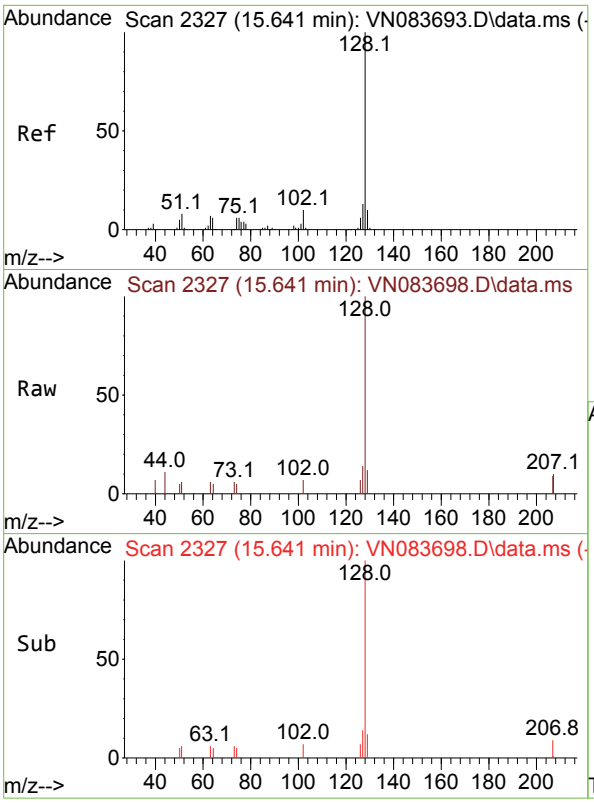


#90
Hexachlorobutadiene
Concen: 0.619 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. 0.000 min
Lab File: VN083698.D
Acq: 06 Sep 2024 16:00

Tgt Ion:225 Resp: 528

Ion	Ratio	Lower	Upper
225	100		
223	16.9	0.0	126.6
227	36.2	0.0	126.6



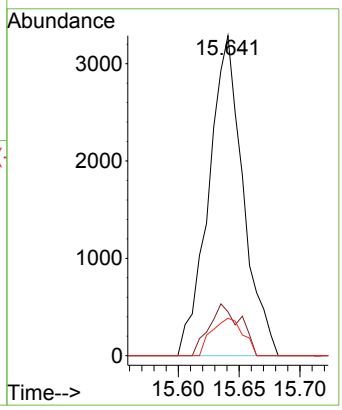


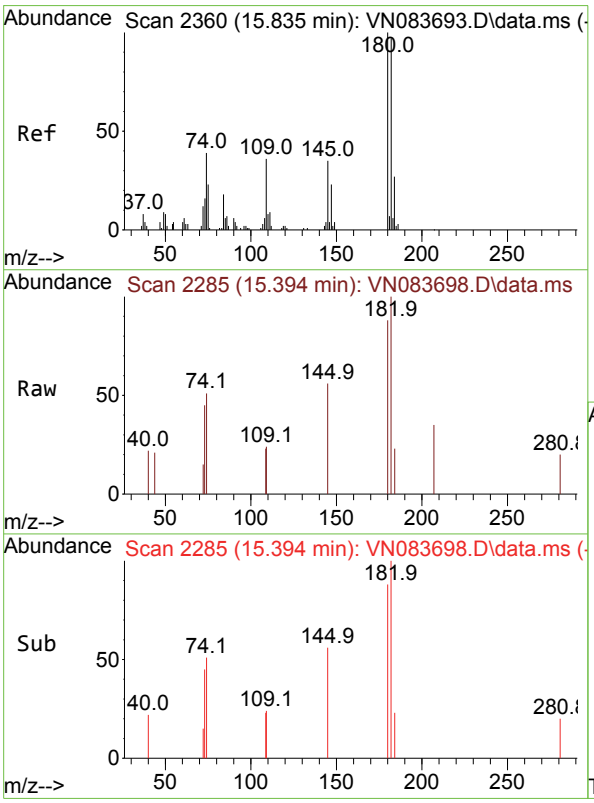
#91
Naphthalene
Concen: 0.960 ug/l
RT: 15.641 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN083698.D
Acq: 06 Sep 2024 16:00

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 6463

Ion	Ratio	Lower	Upper
128	100		
127	14.8	10.6	16.0
129	10.6	8.6	13.0





#92
1,2,3-Trichlorobenzene
Concen: 1.005 ug/l
RT: 15.394 min Scan# 2285
Delta R.T. -0.441 min
Lab File: VN083698.D
Acq: 06 Sep 2024 16:00

Tgt Ion:180 Resp: 2069

Ion	Ratio	Lower	Upper
180	100		
182	98.4	0.0	191.0
145	14.6	0.0	71.0