Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN100719\
Data File : VN058562.D
Acq On : 7 Oct 2019 13:18
Operator : JC/SP
Sample : K5227-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId :

Quant Time: Oct 08 13:53:24 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N092419W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Sep 25 01:36:25 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	7.18	128	70272	30.00	ug/l		0.00
28) 1,4-Difluorobenzene	8.57	114	406574	30.00	ug/l		0.00
57) Chlorobenzene-d5	11.41	117	355350	30.00	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.01	65	190314	30.64	ug/l		0.00
Spiked Amount 30.000	Range 50 - 169		Recovery = 102.13%				
60) 4-Bromofluorobenzene	12.41	95	172445	28.05	ug/l		0.00
Spiked Amount 30.000	Range 56 - 143		Recovery = 93.50%				
63) Toluene-d8	10.09	98	506767	29.88	ug/l		0.00
Spiked Amount 30.000	Range 66 - 137		Recovery = 99.60%				
Target Compounds							Qvalue
3) Chloromethane	2.04	50	2165	0.444	ug/l		99
13) Acrolein	3.60	56	218	1.492	ug/l	#	46
15) Acetone	3.79	58	33213	56.462	ug/l		100
16) Carbon Disulfide	4.03	76	5116	0.477	ug/l	#	93
23) tert-Butyl Alcohol	4.76	59	3922	5.008	ug/l	#	100
24) Methyl tert-Butyl Ether	5.02	73	7913	0.571	ug/l	#	87
30) 2-Butanone	6.82	43	3596	1.193	ug/l	#	63
35) Methacrylonitrile	7.18	41	604	0.233	ug/l	#	30
45) 1,4-Dioxane	9.20	88	69	0.764	ug/l	#	8
58) 4-Methyl-2-Pentanone	9.98	43	6445	1.158	ug/l	#	54
59) 2-Hexanone	10.75	43	2123	0.504	ug/l	#	85
61) Tetrachloroethene	10.63	164	932	0.250	ug/l	#	52
62) Toluene	10.15	91	250430	12.868	ug/l		99
67) m/p-Xylenes	11.62	106	2883	0.354	ug/l		90
68) o-Xylene	11.96	106	1662	0.210	ug/l		79
76) 1,3,5-Trimethylbenzene	12.74	105	4087	0.231	ug/l		99
80) 1,2,4-Trimethylbenzene	13.05	105	8732	0.495	ug/l		93
82) p-Isopropyltoluene	13.30	119	9207	0.509	ug/l		90
84) 1,4-Dichlorobenzene	13.37	146	1942	0.213	ug/l		86
85) n-Butylbenzene	13.62	91	4269	0.254	ug/l		89
89) 1,2,4-Trichlorobenzene	14.92	180	3177	0.543	ug/l		99
90) Hexachlorobutadiene	15.02	225	884	0.312	ug/l		85
91) Naphthalene	15.13	128	19710	1.226	ug/l		98
92) 1,2,3-Trichlorobenzene	15.30	180	4193	0.746	ug/l		85

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

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN100719\
Data File : VN058562.D
Acq On : 7 Oct 2019 13:18
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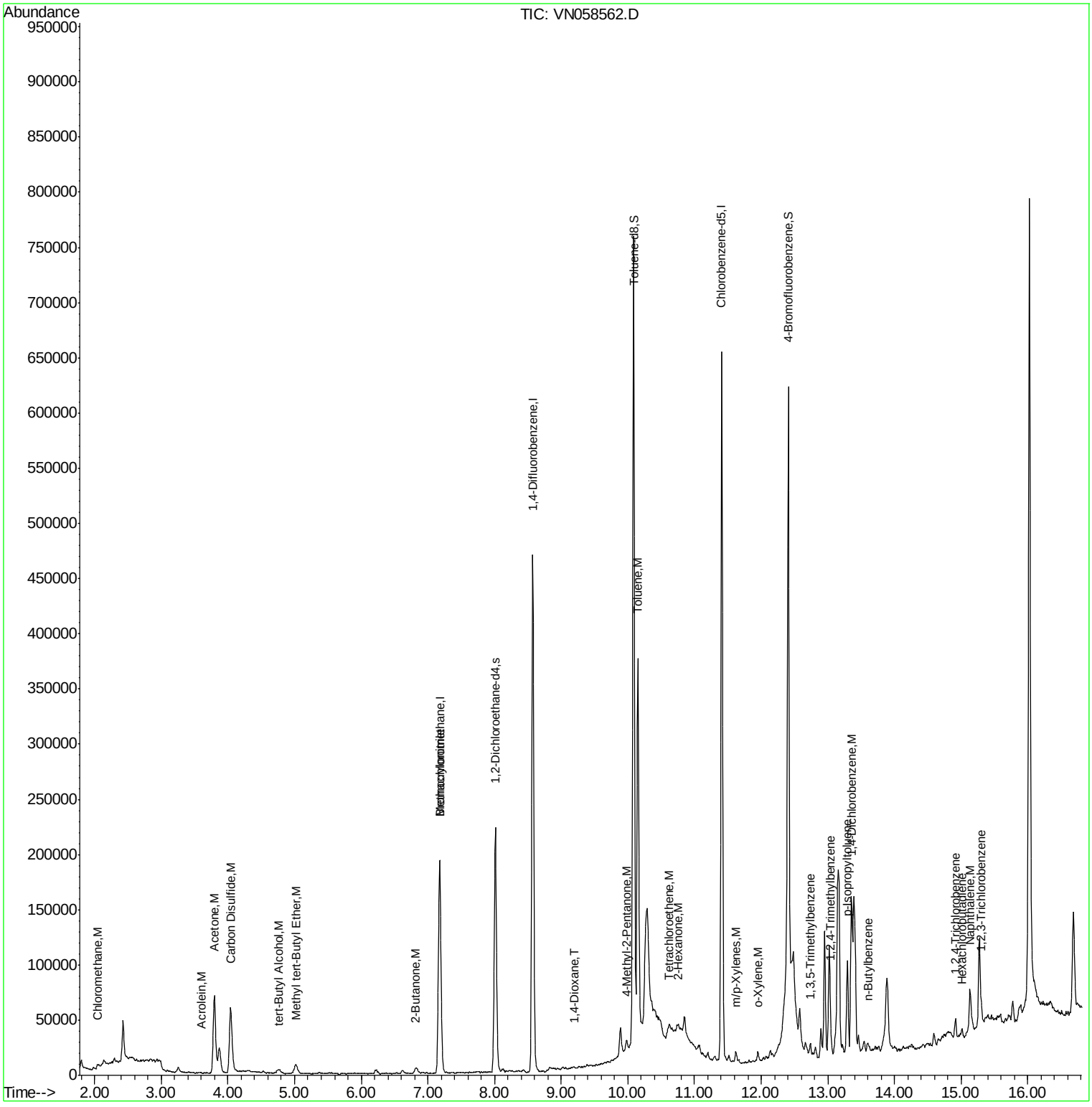
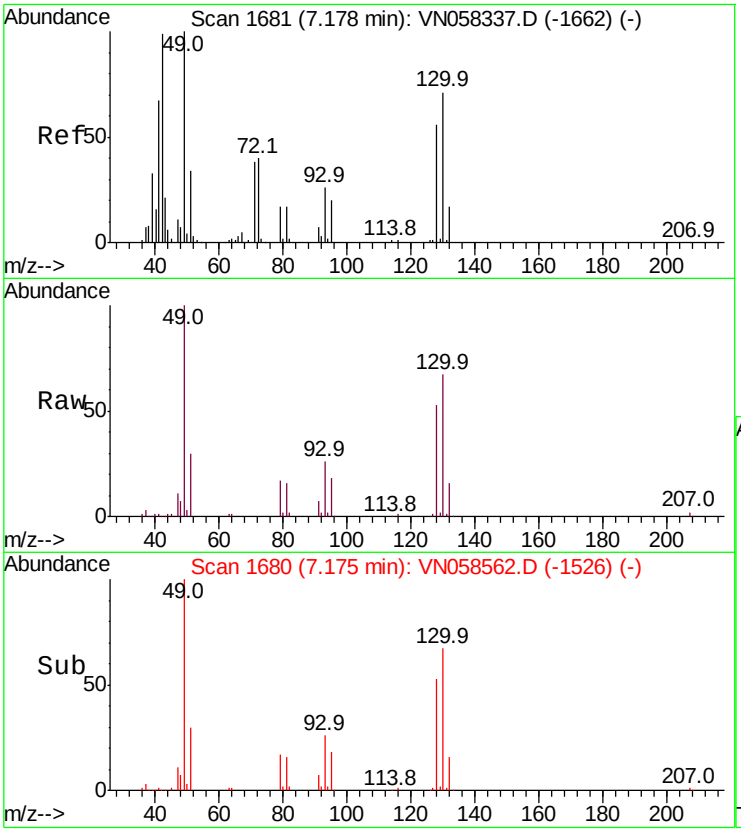
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId :

Quant Time: Oct 08 13:53:24 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N092419W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Sep 25 01:36:25 2019
Response via : Initial Calibration



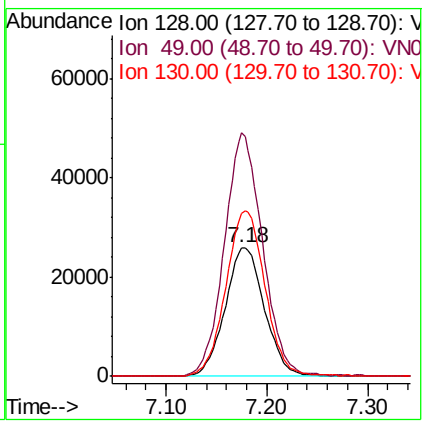


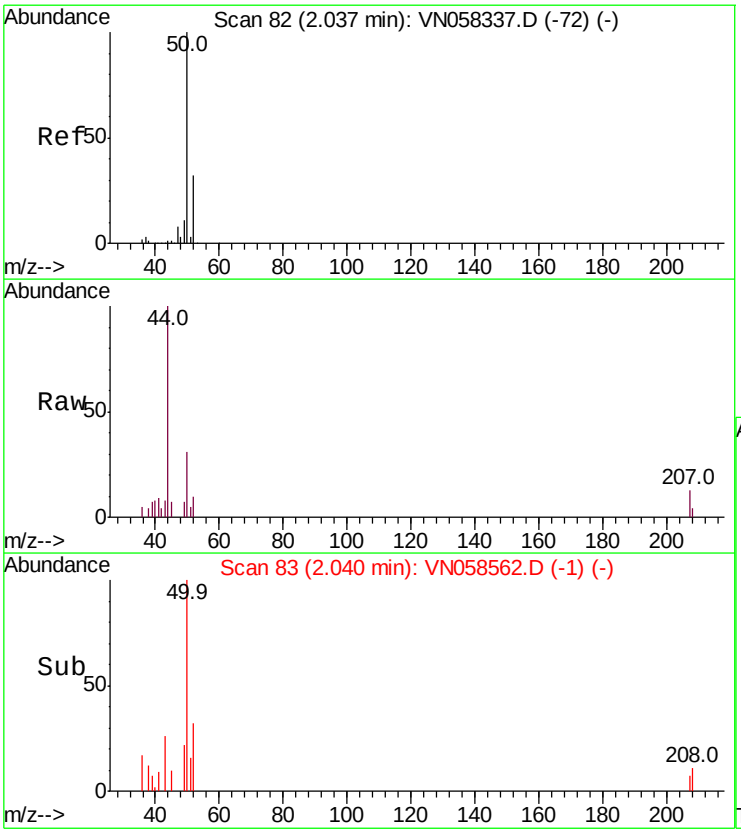
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN058562.D
Acq: 7 Oct 2019 13:18

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 70272

Ion	Ratio	Lower	Upper
128	100		
49	182.7	0.0	458.5
130	127.6	0.0	320.7

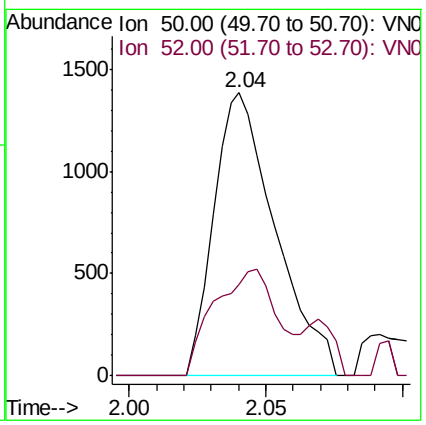


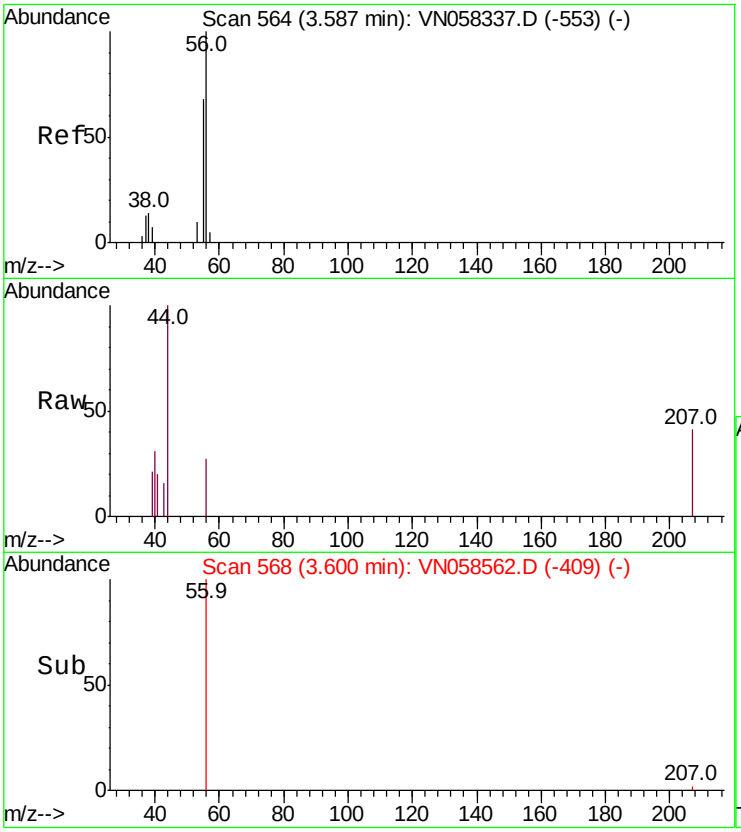


#3
Chloromethane
Concen: 0.444 ug/l
RT: 2.04 min Scan# 83
Delta R.T. 0.00 min
Lab File: VN058562.D
Acq: 7 Oct 2019 13:18

Tgt Ion: 50 Resp: 2165

Ion	Ratio	Lower	Upper
50	100		
52	32.1	25.9	38.9



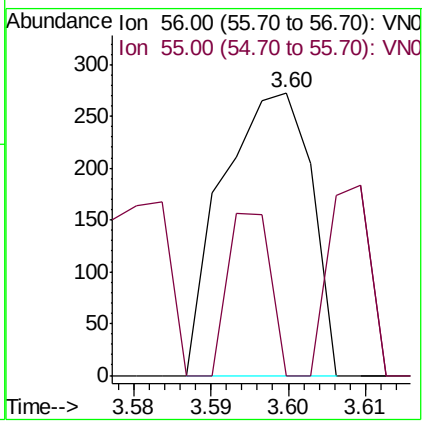


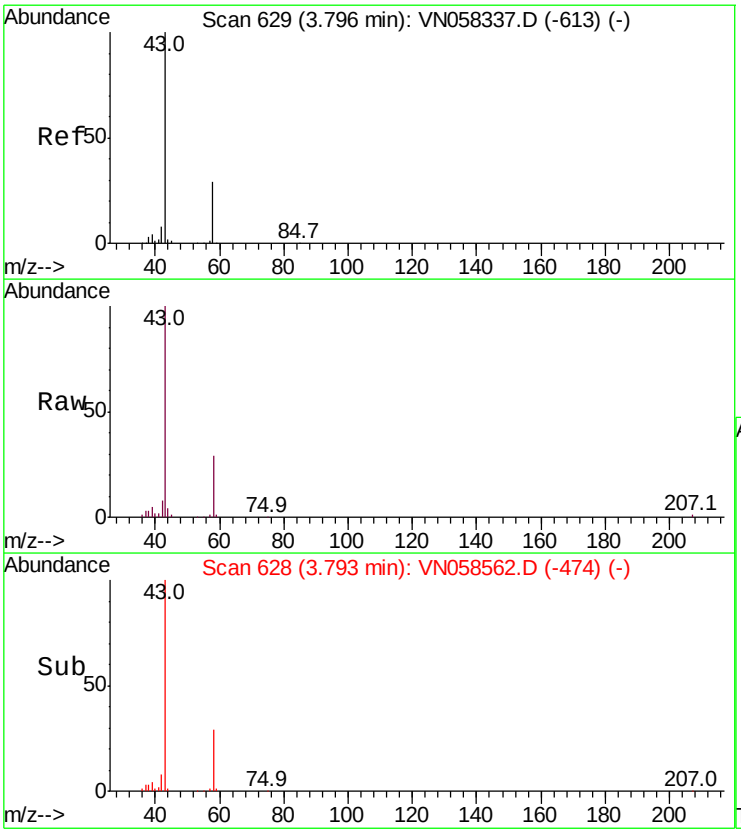
#13
Acrolein
Concen: 1.492 ug/l
RT: 3.60 min Scan# 568
Delta R.T. 0.01 min
Lab File: VN058562.D
Acq: 7 Oct 2019 13:18

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 56 Resp: 218

Ion	Ratio	Lower	Upper
56	100		
55	27.5	58.4	87.6#

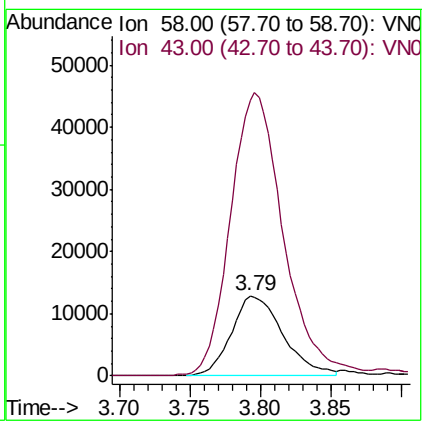


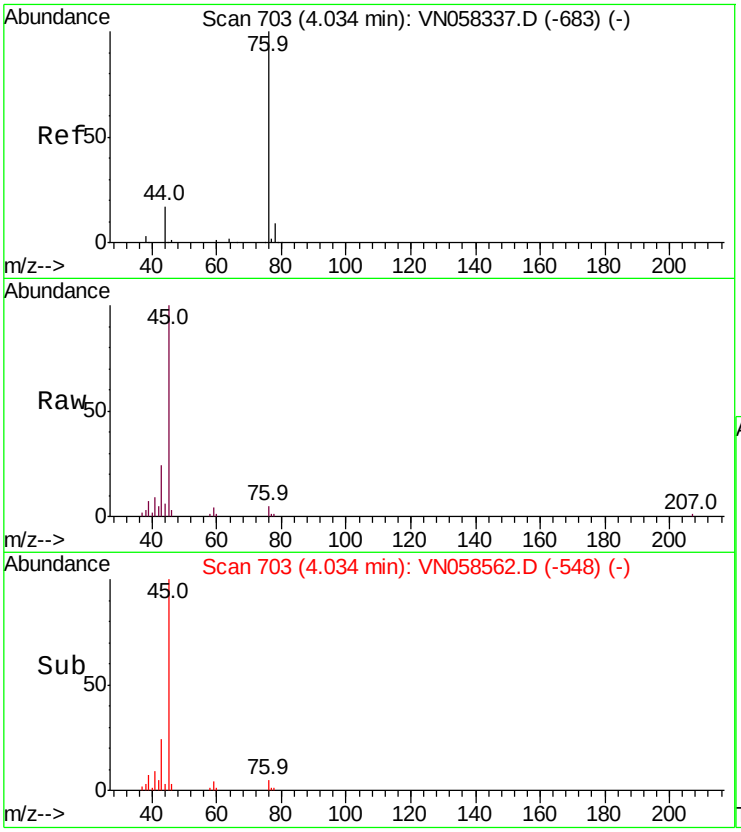


#15
Acetone
Concen: 56.462 ug/l
RT: 3.79 min Scan# 628
Delta R.T. -0.00 min
Lab File: VN058562.D
Acq: 7 Oct 2019 13:18

Tgt Ion: 58 Resp: 33213

Ion	Ratio	Lower	Upper
58	100		
43	340.0	272.6	409.0



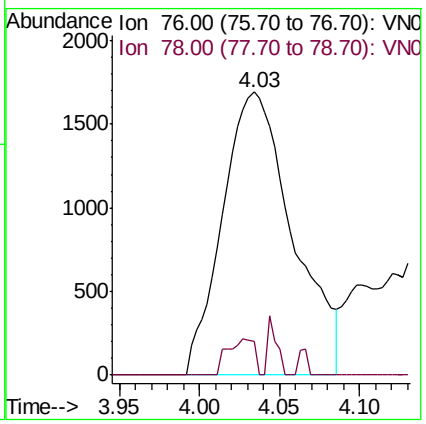


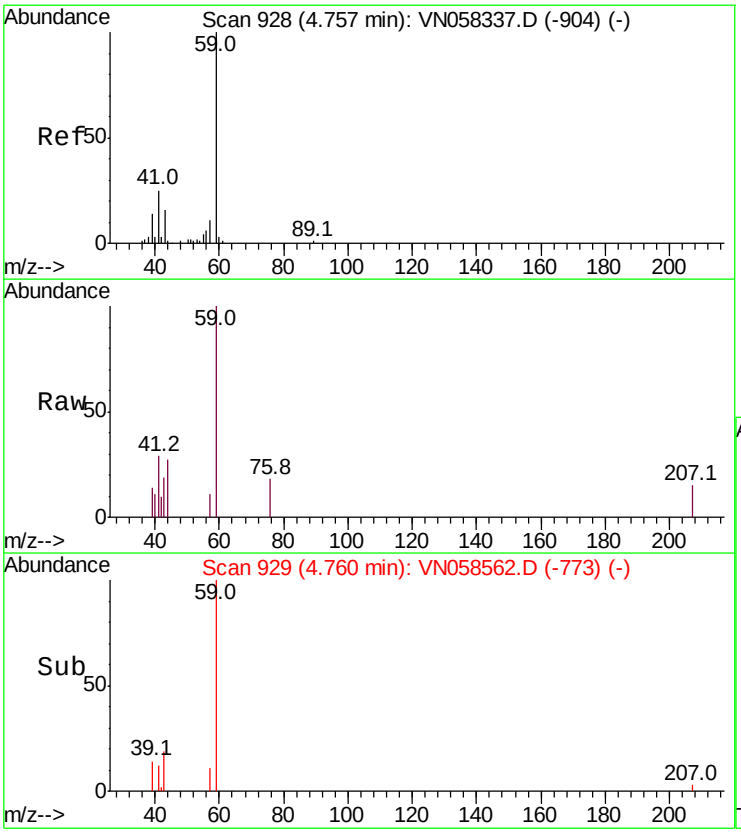
#16
Carbon Disulfide
Concen: 0.477 ug/l
RT: 4.03 min Scan# 703
Delta R.T. -0.00 min
Lab File: VN058562.D
Acq: 7 Oct 2019 13:18

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 76 Resp: 5116

Ion	Ratio	Lower	Upper
76	100		
78	12.0	7.4	11.2#

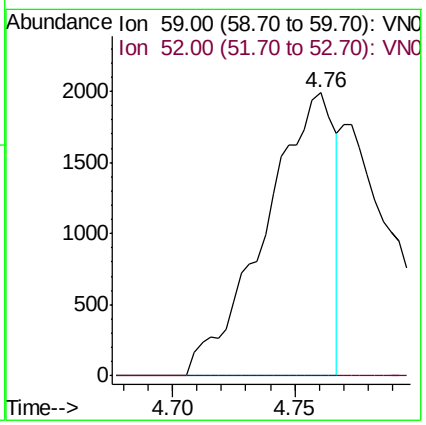


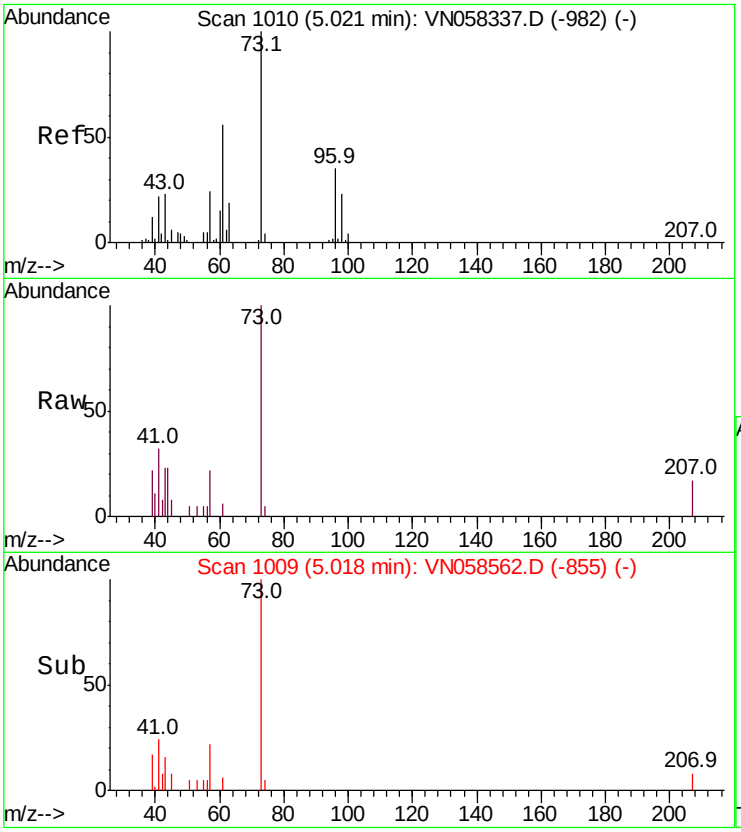


#23
tert-Butyl Alcohol
Concen: 5.008 ug/l
RT: 4.76 min Scan# 929
Delta R.T. 0.00 min
Lab File: VN058562.D
Acq: 7 Oct 2019 13:18

Tgt Ion: 59 Resp: 3922

Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.1	0.1#



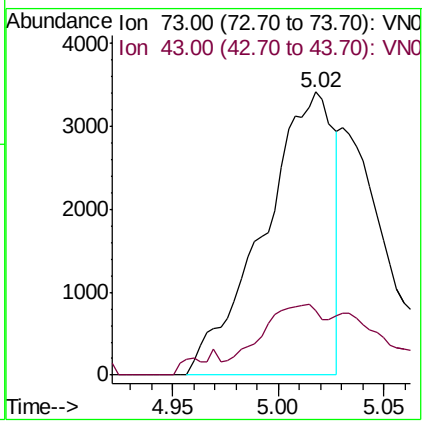


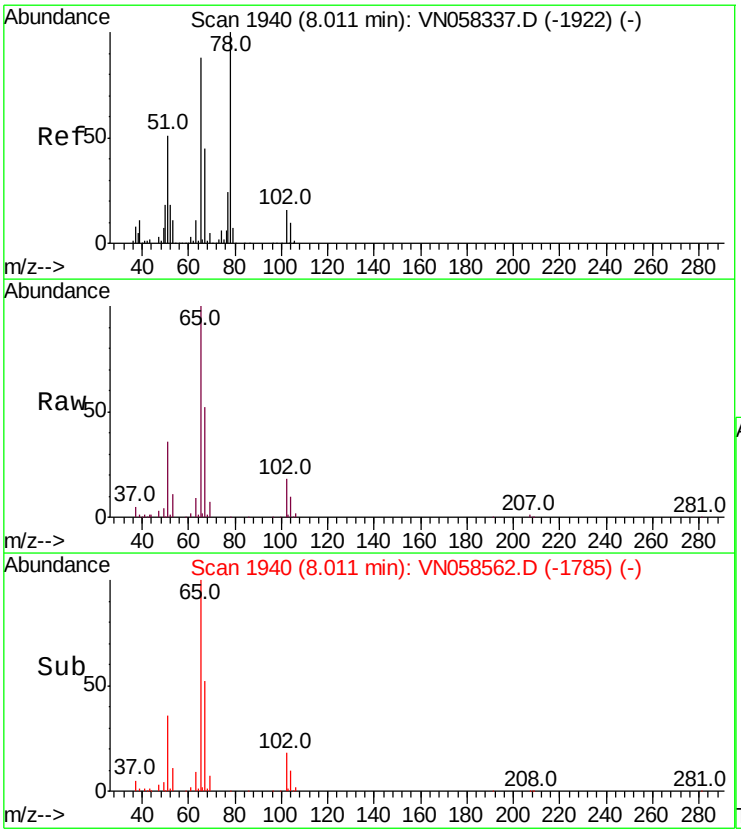
#24
Methyl tert-Butyl Ether
Concen: 0.571 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VN058562.D
Acq: 7 Oct 2019 13:18

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 73 Resp: 7913

Ion	Ratio	Lower	Upper
73	100		
43	16.9	18.4	27.6#

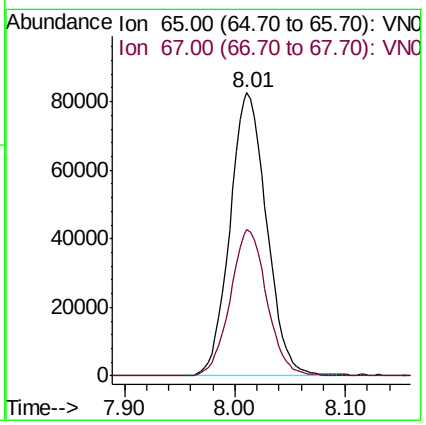


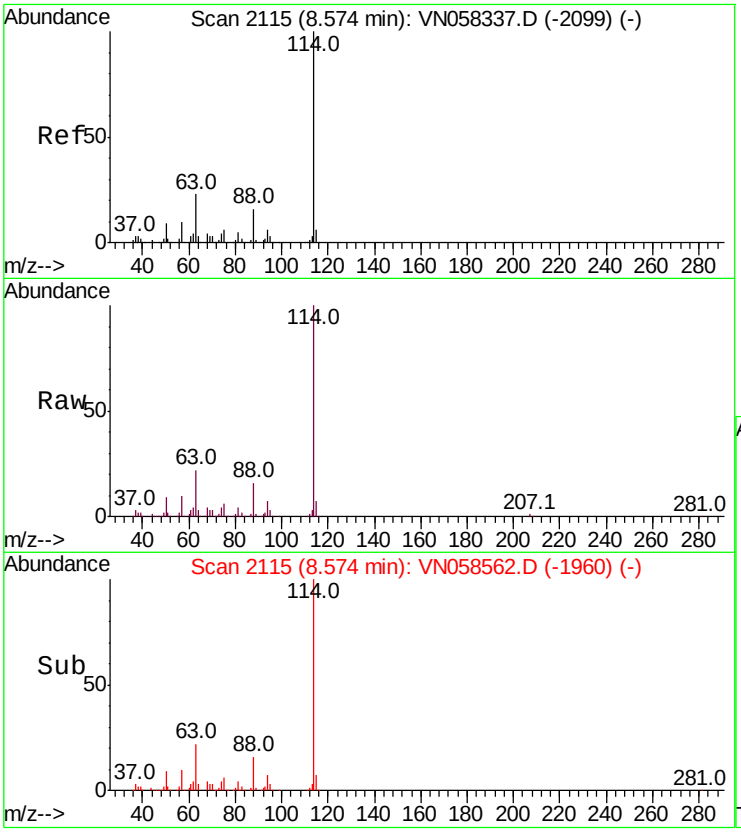


#27
1,2-Dichloroethane-d4
Concen: 30.637 ug/l
RT: 8.01 min Scan# 1940
Delta R.T. -0.00 min
Lab File: VN058562.D
Acq: 7 Oct 2019 13:18

Tgt Ion: 65 Resp: 190314

Ion	Ratio	Lower	Upper
65	100		
67	51.5	40.4	60.6



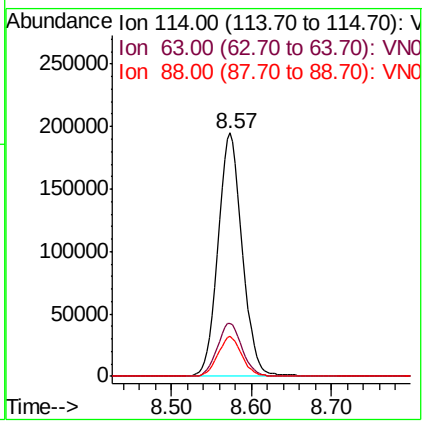


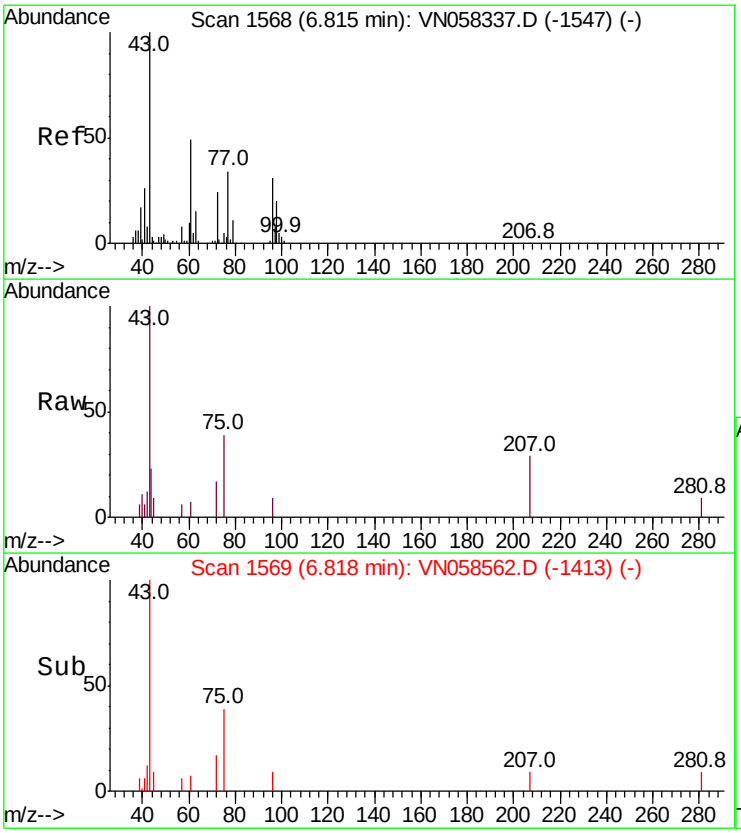
#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.57 min Scan# 2115
Delta R.T. -0.00 min
Lab File: VN058562.D
Acq: 7 Oct 2019 13:18

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:114 Resp: 406574

Ion	Ratio	Lower	Upper
114	100		
63	22.3	17.8	26.8
88	16.2	12.7	19.1

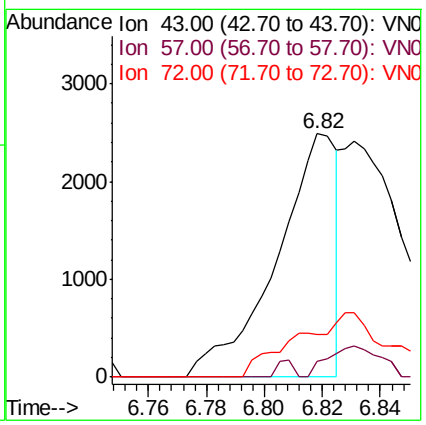


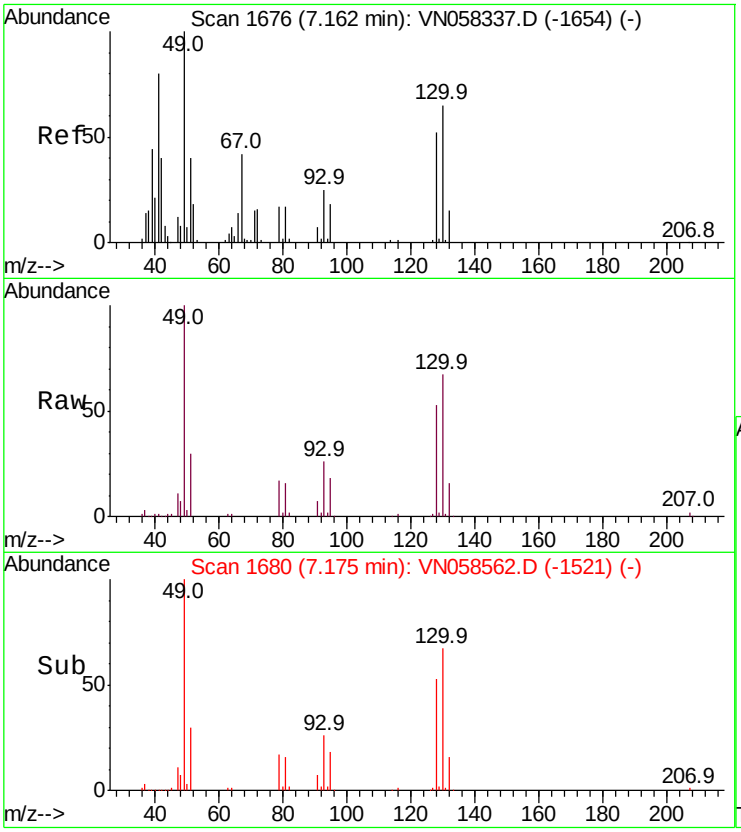


#30
2-Butanone
Concen: 1.193 ug/l
RT: 6.82 min Scan# 1569
Delta R.T. 0.00 min
Lab File: VN058562.D
Acq: 7 Oct 2019 13:18

Tgt Ion: 43 Resp: 3596

Ion	Ratio	Lower	Upper
43	100		
57	1.8	6.2	9.4#
72	3.8	20.3	30.5#



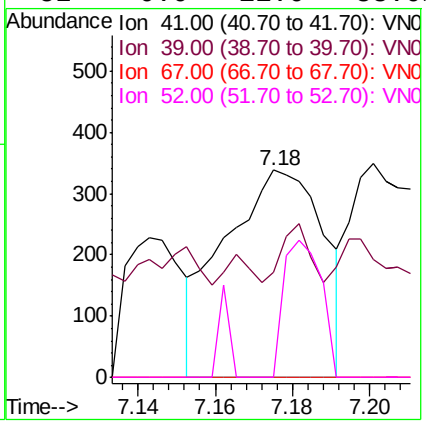


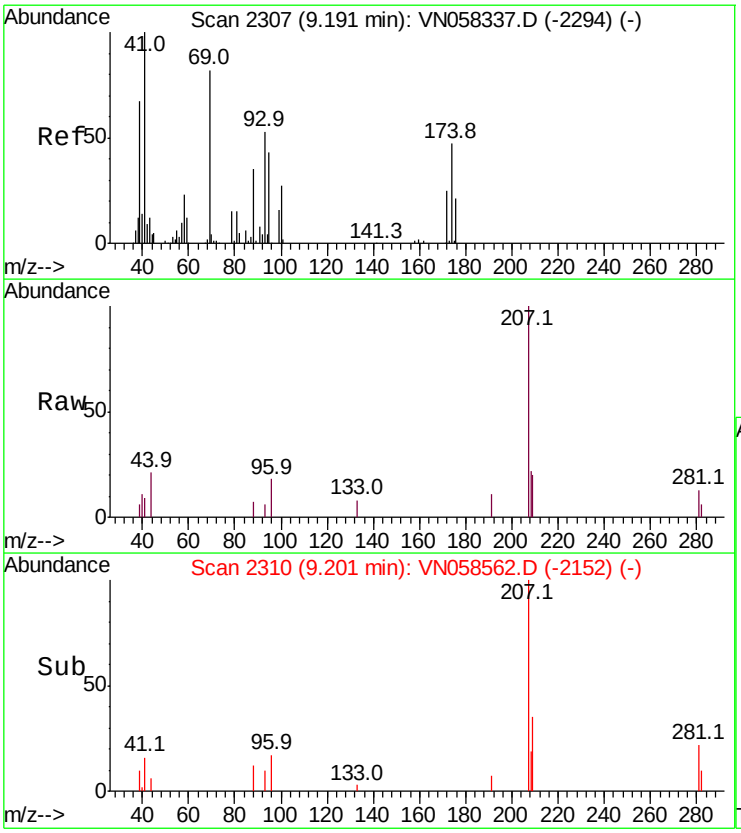
#35
Methacrylonitrile
Concen: 0.233 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.01 min
Lab File: VN058562.D
Acq: 7 Oct 2019 13:18

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 41 Resp: 604

Ion	Ratio	Lower	Upper
41	100		
39	0.0	27.3	81.9#
67	0.0	26.3	78.9#
52	0.0	11.0	33.0#

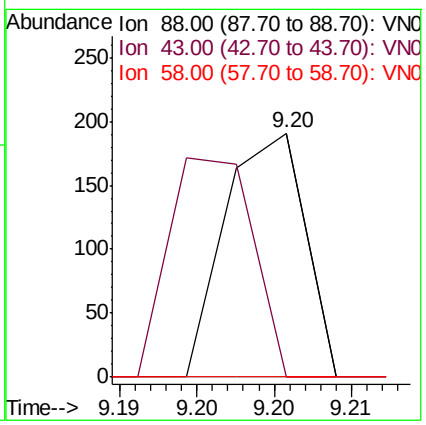


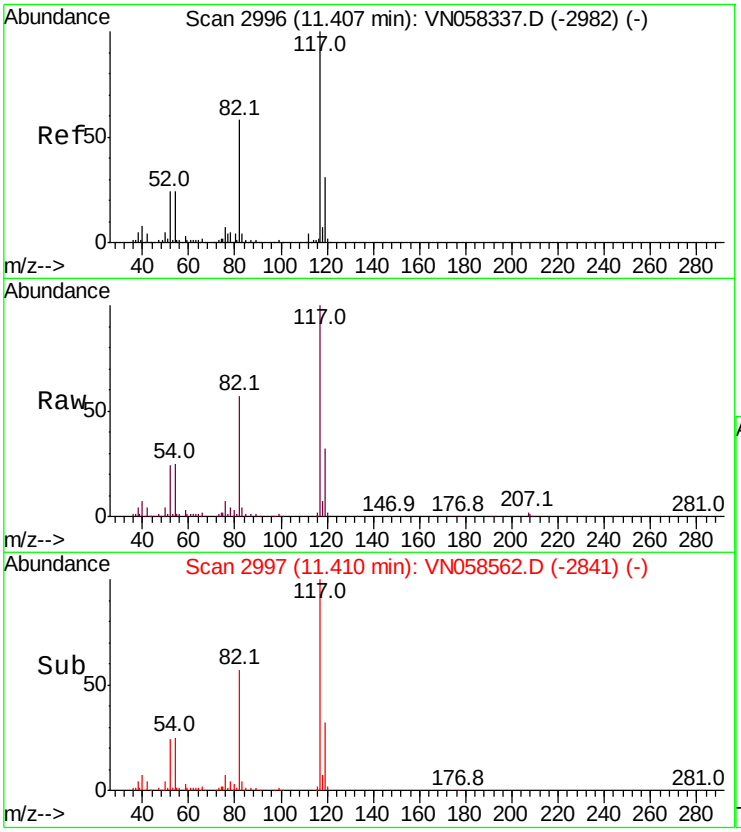


#45
1,4-Dioxane
Concen: 0.764 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.01 min
Lab File: VN058562.D
Acq: 7 Oct 2019 13:18

Tgt Ion: 88 Resp: 69

Ion	Ratio	Lower	Upper
88	100		
43	94.2	27.2	40.8#
58	0.0	55.4	83.0#



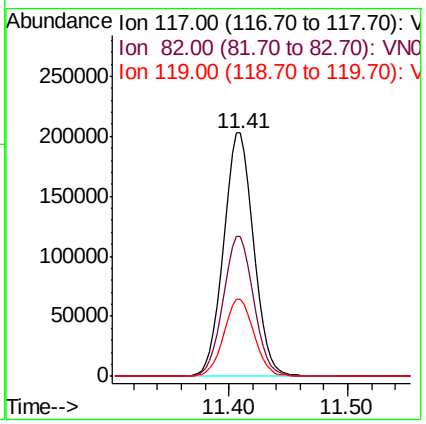


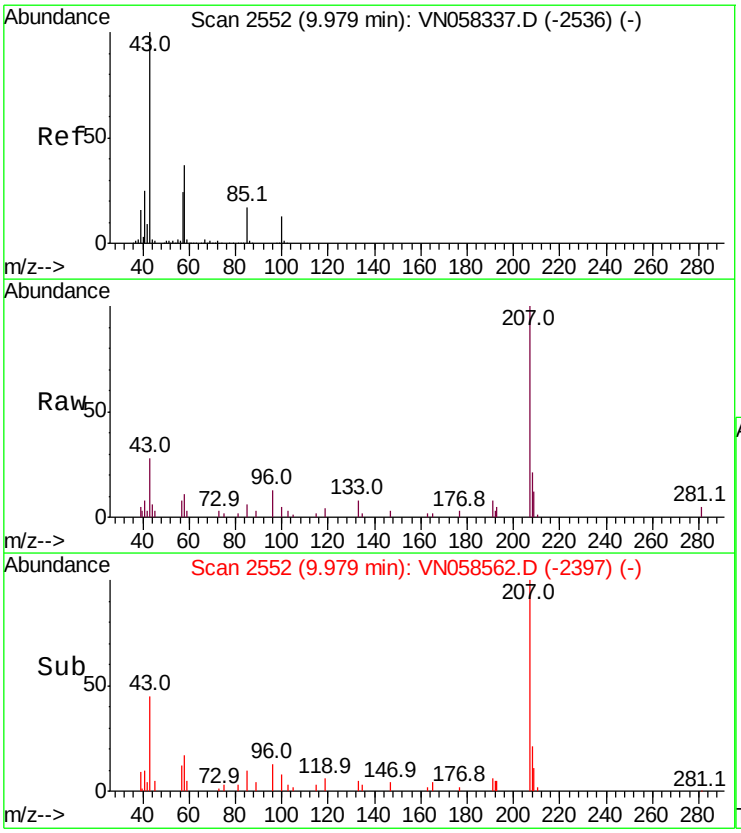
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN058562.D
Acq: 7 Oct 2019 13:18

Instrument : MSVOA_N
ClientSampleId :

Tgt Ion:117 Resp: 355350

Ion	Ratio	Lower	Upper
117	100		
82	58.5	46.4	69.6
119	31.8	25.1	37.7

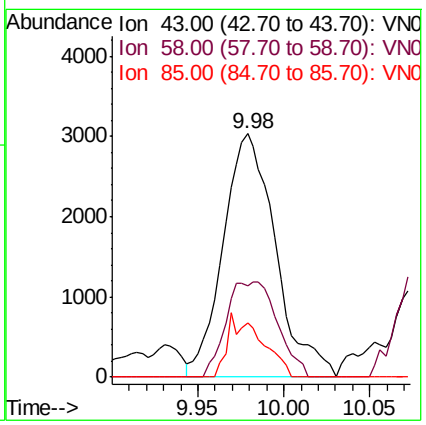


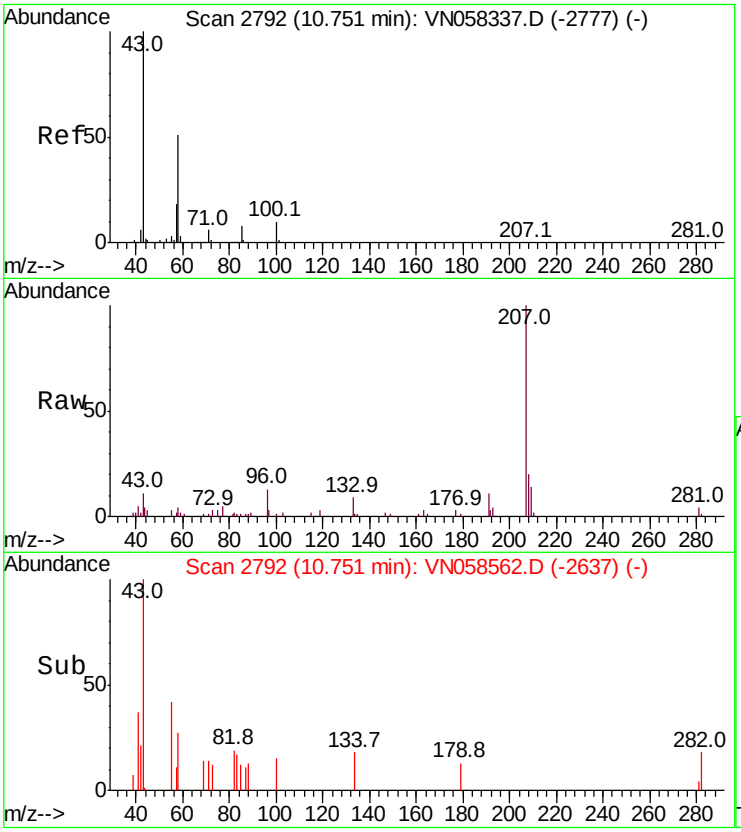


#58
4-Methyl-2-Pentanone
Concen: 1.158 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. -0.00 min
Lab File: VN058562.D
Acq: 7 Oct 2019 13:18

Tgt Ion: 43 Resp: 6445

Ion	Ratio	Lower	Upper
43	100		
58	0.0	29.3	43.9#
85	11.4	13.1	19.7#



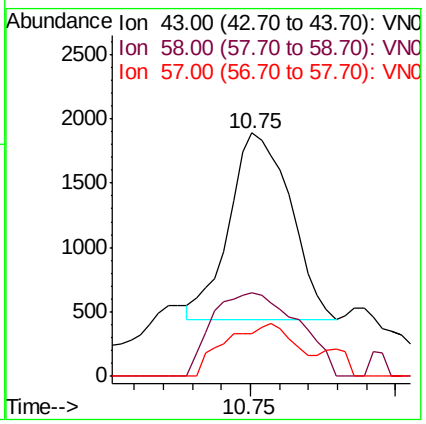


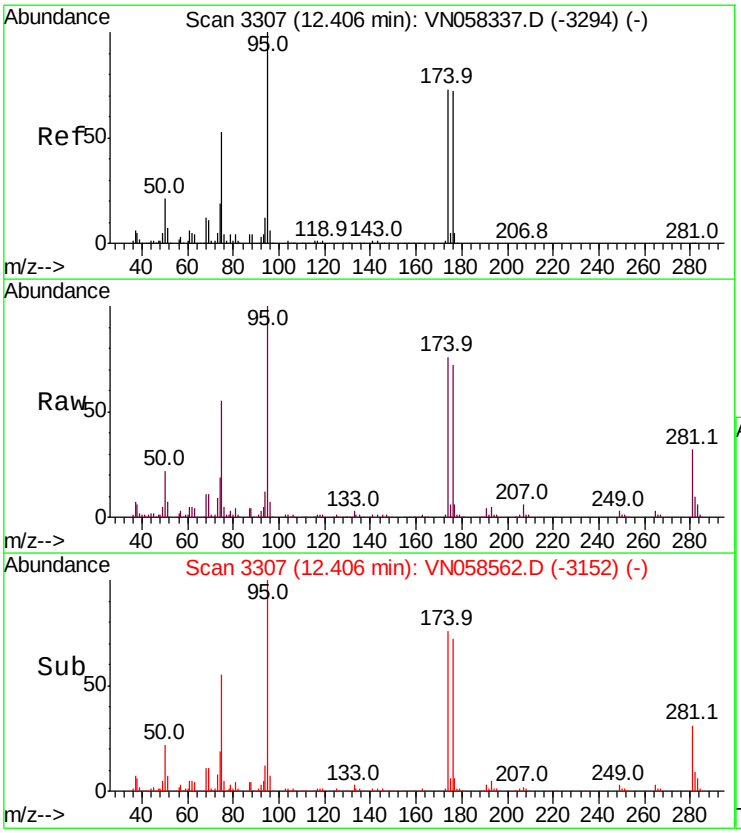
#59
2-Hexanone
Concen: 0.504 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN058562.D
Acq: 7 Oct 2019 13:18

Instrument : MSVOA_N
ClientSampleId :

Tgt Ion: 43 Resp: 2123

Ion	Ratio	Lower	Upper
43	100		
58	63.0	40.7	61.1#
57	15.0	14.7	22.1

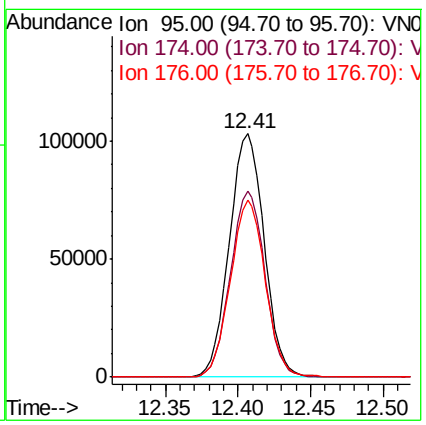


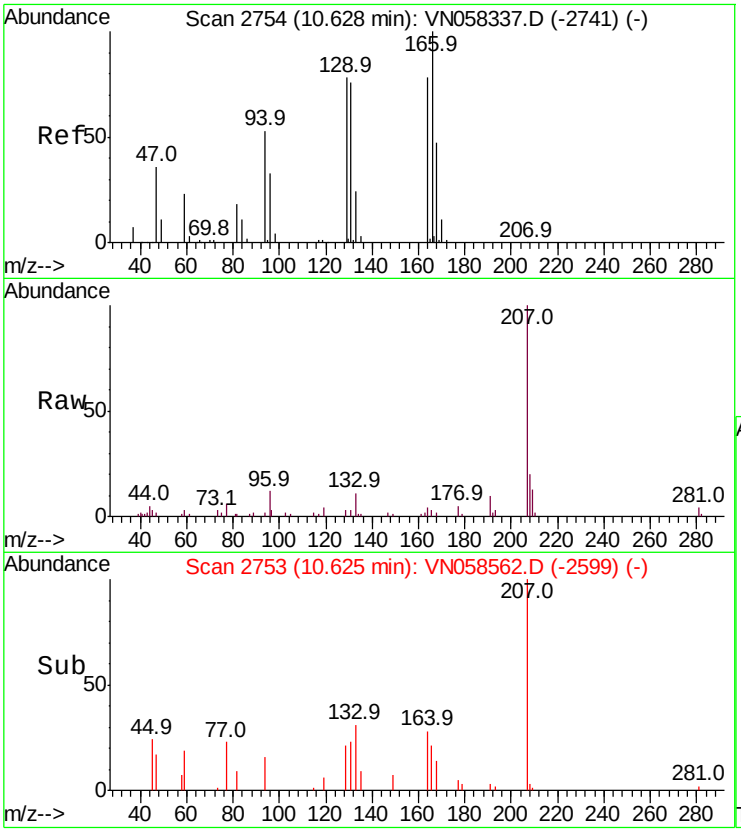


#60
4-Bromofluorobenzene
Concen: 28.046 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. -0.00 min
Lab File: VN058562.D
Acq: 7 Oct 2019 13:18

Tgt Ion: 95 Resp: 172445

Ion	Ratio	Lower	Upper
95	100		
174	75.5	59.0	88.6
176	72.6	58.2	87.2



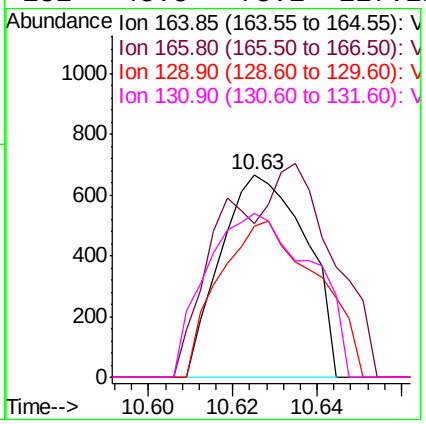


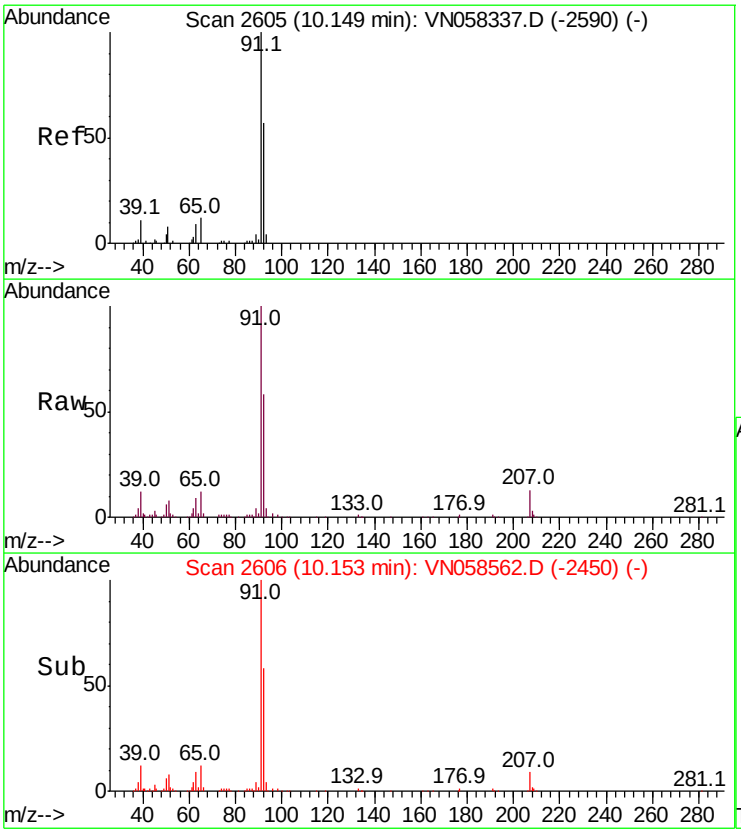
#61
Tetrachloroethene
Concen: 0.250 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. -0.00 min
Lab File: VN058562.D
Acq: 7 Oct 2019 13:18

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:164 Resp: 932

Ion	Ratio	Lower	Upper
164	100		
166	52.5	102.6	154.0#
129	74.8	79.8	119.6#
131	48.3	78.1	117.1#

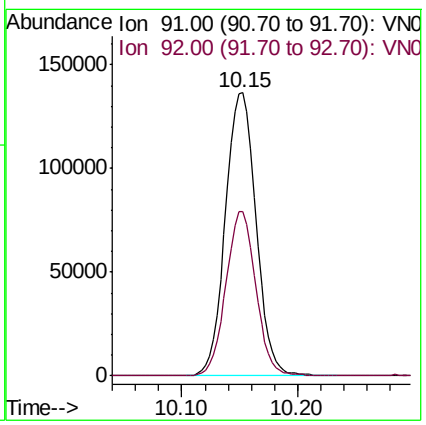


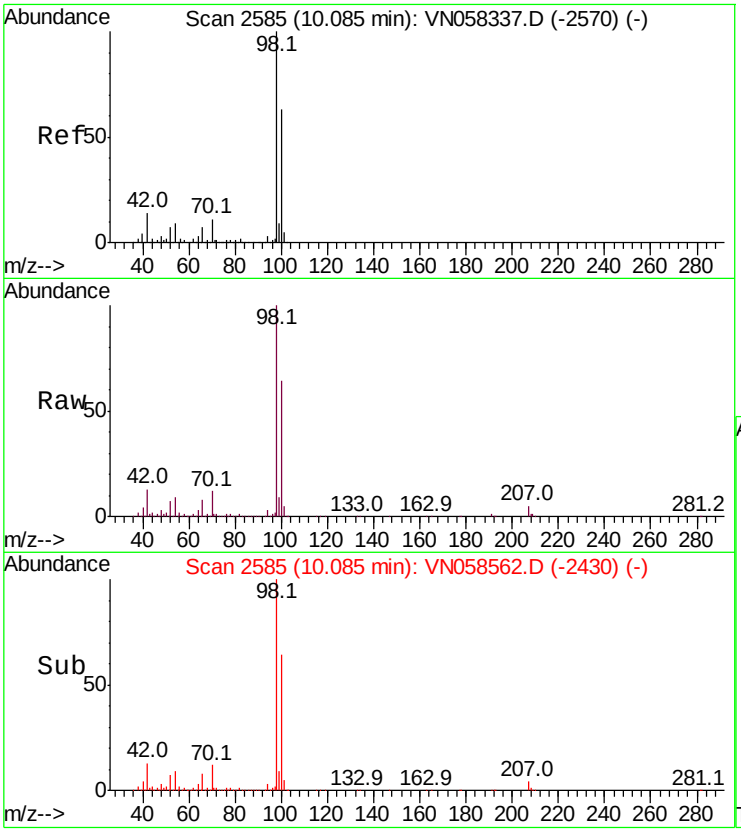


#62
Toluene
Concen: 12.868 ug/l
RT: 10.15 min Scan# 2606
Delta R.T. 0.00 min
Lab File: VN058562.D
Acq: 7 Oct 2019 13:18

Tgt Ion: 91 Resp: 250430

Ion	Ratio	Lower	Upper
91	100		
92	56.4	45.5	68.3



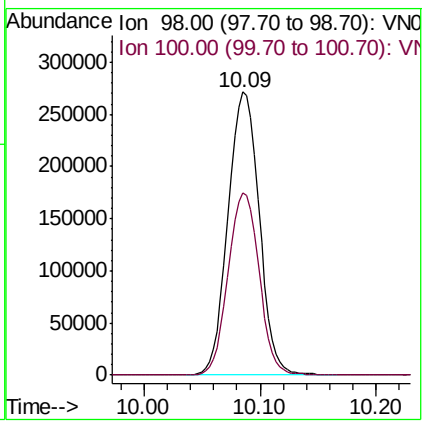


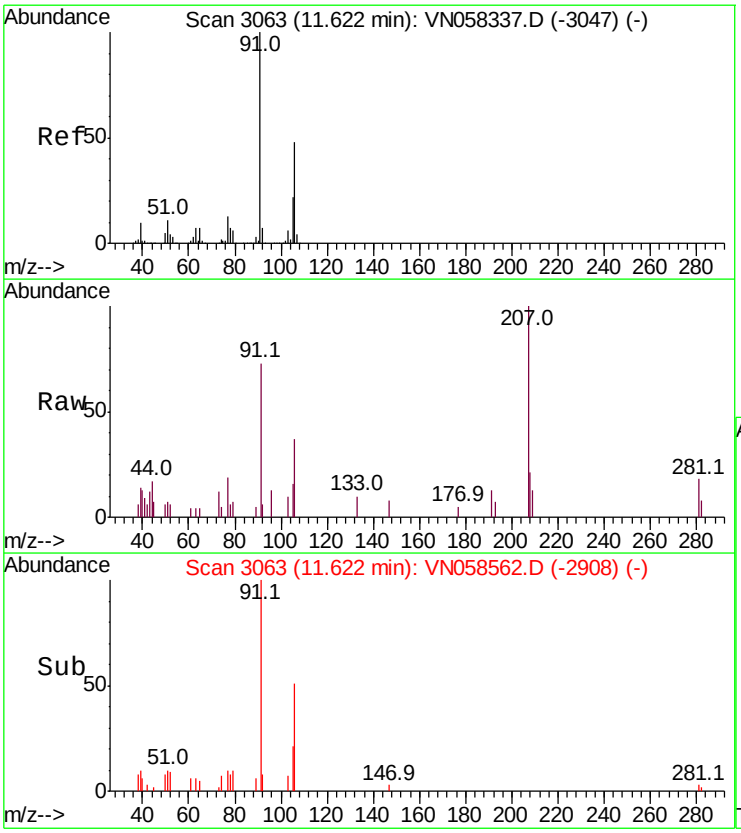
#63
Toluene-d8
Concen: 29.882 ug/l
RT: 10.09 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN058562.D
Acq: 7 Oct 2019 13:18

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 98 Resp: 506767

Ion	Ratio	Lower	Upper
98	100		
100	64.0	50.2	75.2

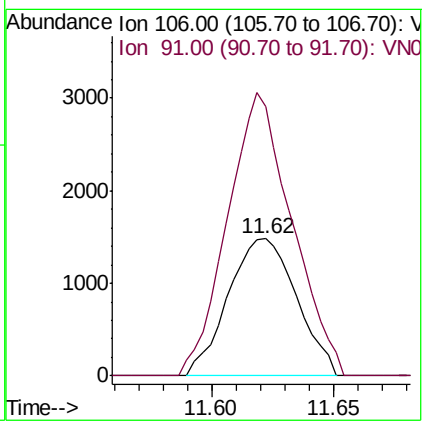


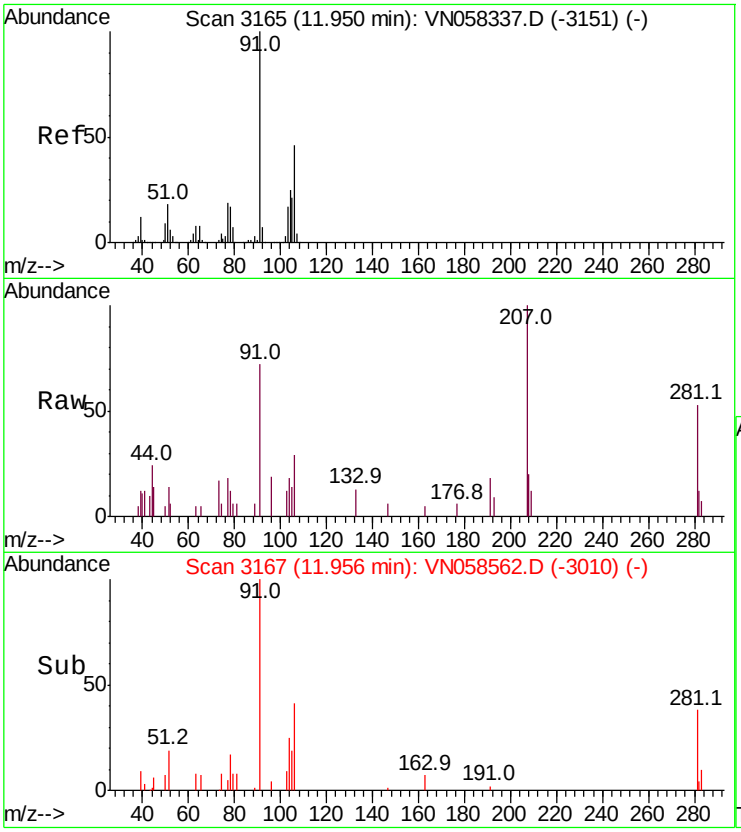


#67
m/p-Xylenes
Concen: 0.354 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN058562.D
Acq: 7 Oct 2019 13:18

Tgt Ion:106 Resp: 2883

Ion	Ratio	Lower	Upper
106	100		
91	194.2	167.8	251.6



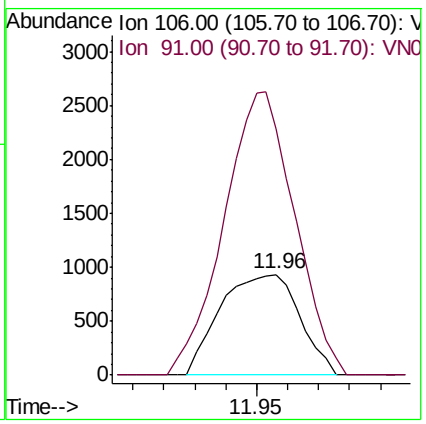


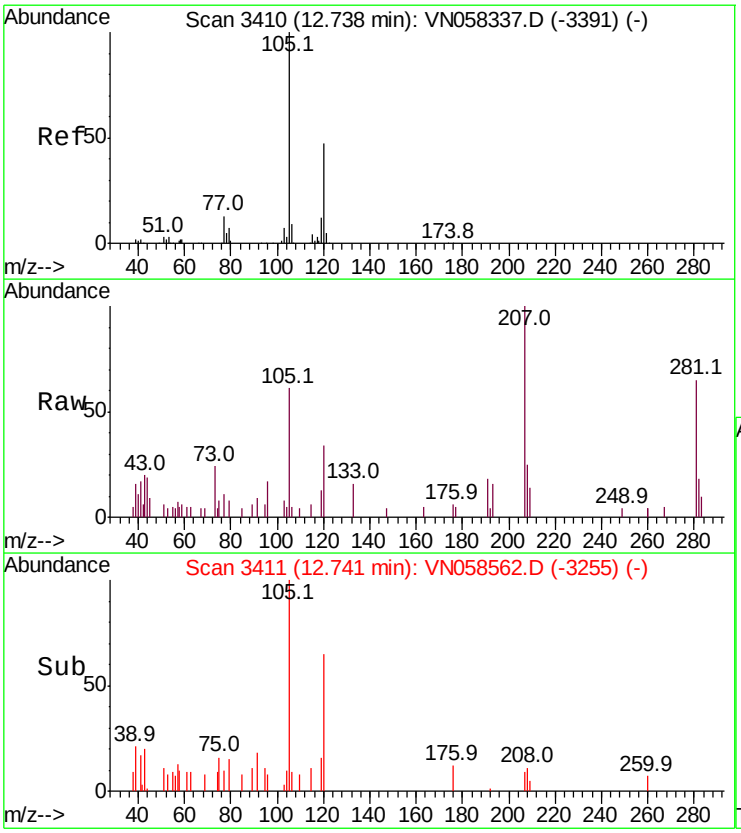
#68
o-Xylene
Concen: 0.210 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.01 min
Lab File: VN058562.D
Acq: 7 Oct 2019 13:18

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:106 Resp: 1662

Ion	Ratio	Lower	Upper
106	100		
91	251.2	108.7	325.9

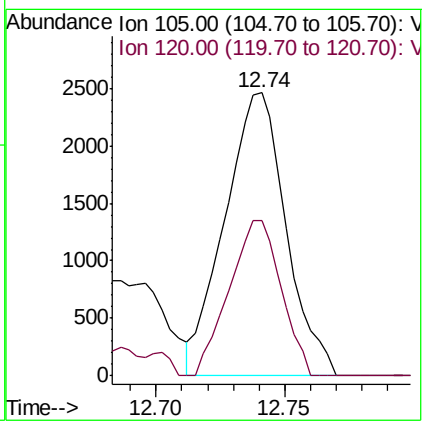


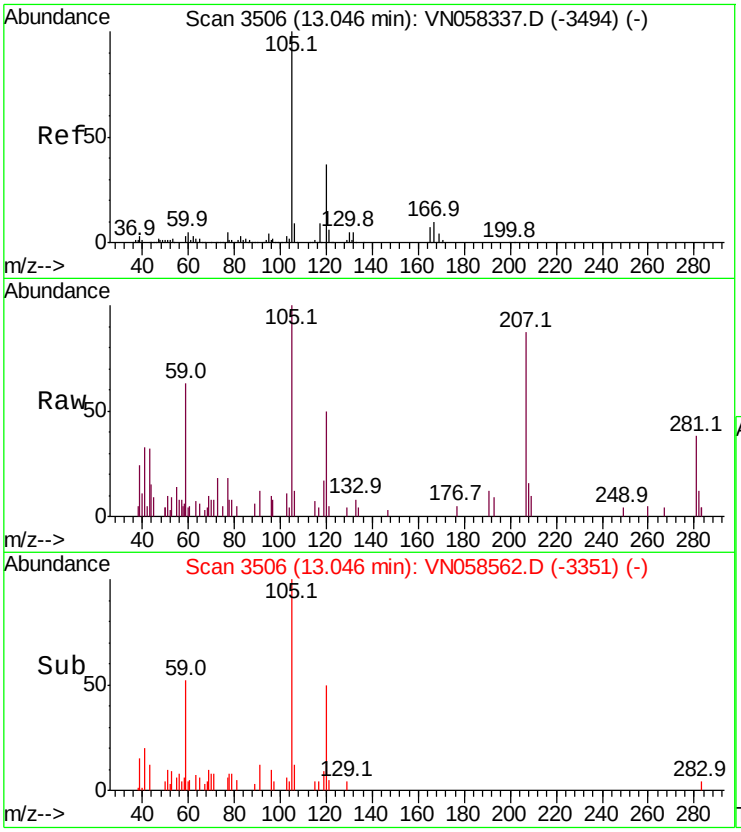


#76
1,3,5-Trimethylbenzene
Concen: 0.231 ug/l
RT: 12.74 min Scan# 3411
Delta R.T. 0.00 min
Lab File: VN058562.D
Acq: 7 Oct 2019 13:18

Tgt Ion:105 Resp: 4087

Ion	Ratio	Lower	Upper
105	100		
120	46.5	0.0	94.4



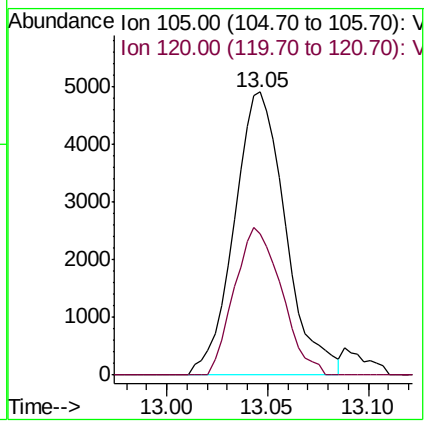


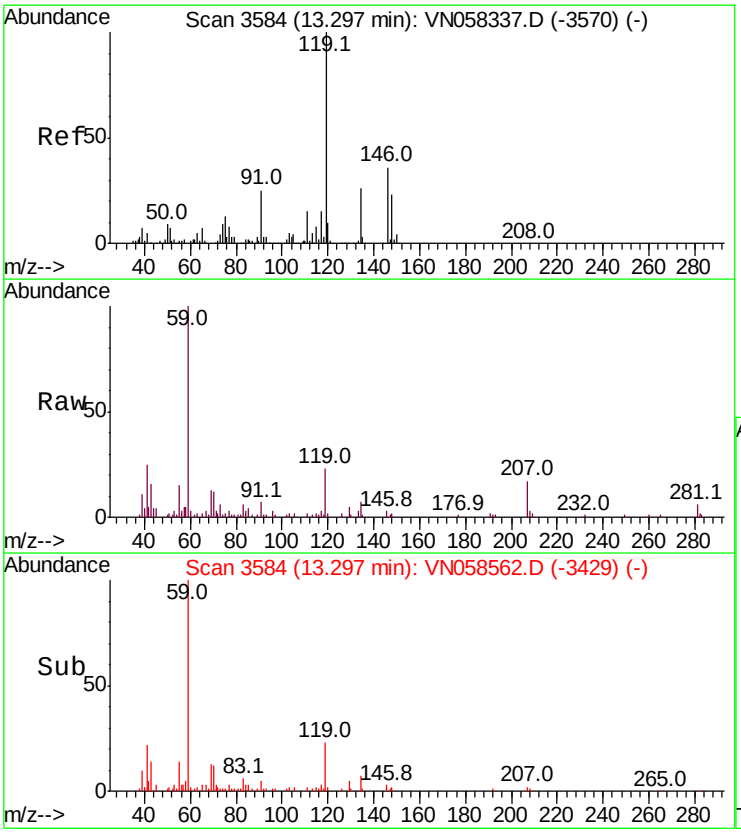
#80
1,2,4-Trimethylbenzene
Concen: 0.495 ug/l
RT: 13.05 min Scan# 3506
Delta R.T. -0.00 min
Lab File: VN058562.D
Acq: 7 Oct 2019 13:18

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:105 Resp: 8732

Ion	Ratio	Lower	Upper
105	100		
120	48.0	0.0	86.6

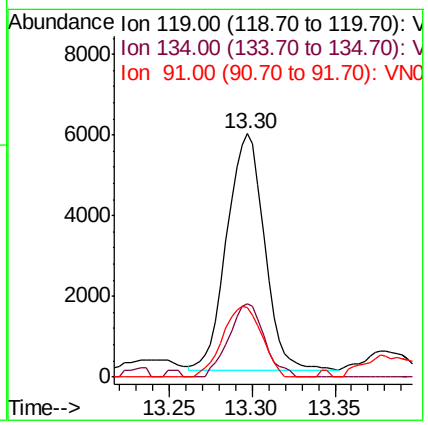


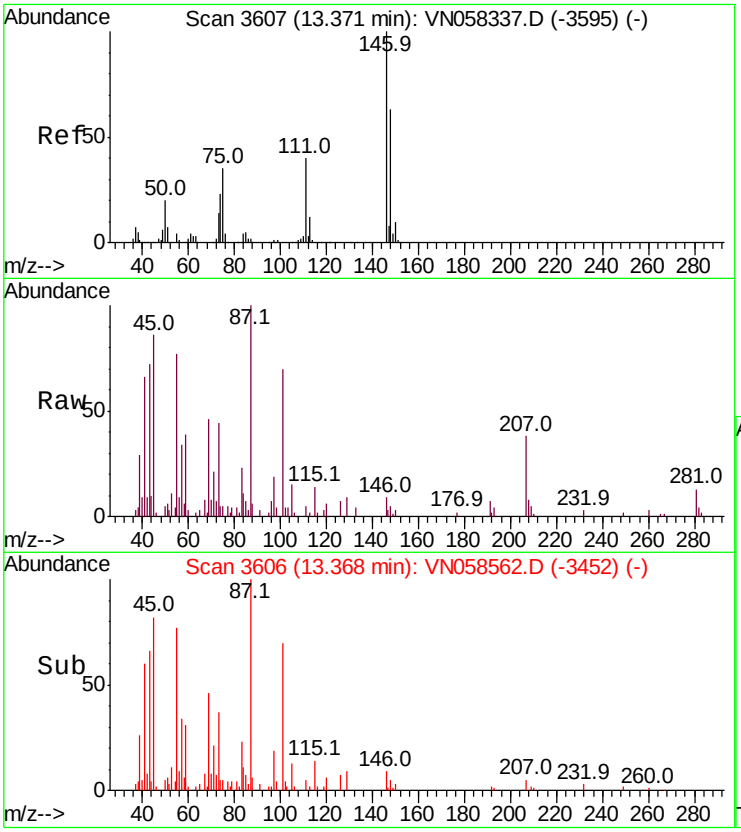


#82
p-Isopropyltoluene
Concen: 0.509 ug/l
RT: 13.30 min Scan# 3584
Delta R.T. -0.00 min
Lab File: VN058562.D
Acq: 7 Oct 2019 13:18

Tgt Ion:119 Resp: 9207

Ion	Ratio	Lower	Upper
119	100		
134	29.2	0.0	51.6
91	31.1	0.0	49.6



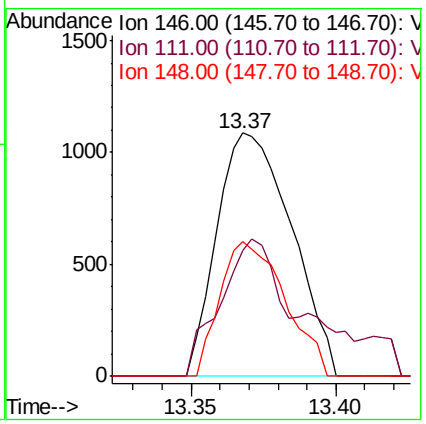


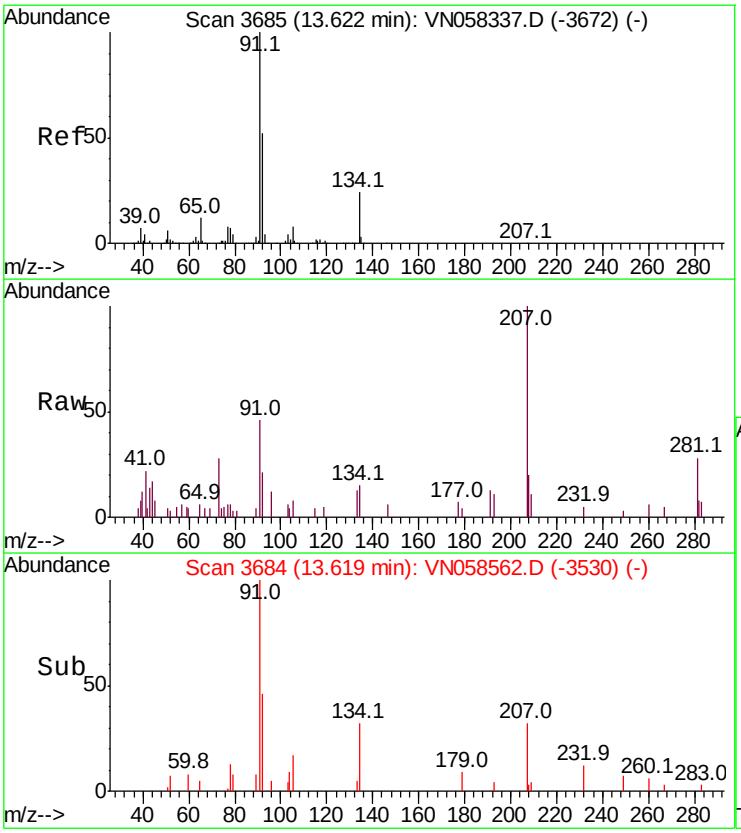
#84
1,4-Dichlorobenzene
Concen: 0.213 ug/l
RT: 13.37 min Scan# 3606
Delta R.T. -0.00 min
Lab File: VN058562.D
Acq: 7 Oct 2019 13:18

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:146 Resp: 1942

Ion	Ratio	Lower	Upper
146	100		
111	43.4	20.4	61.3
148	48.3	31.9	95.7

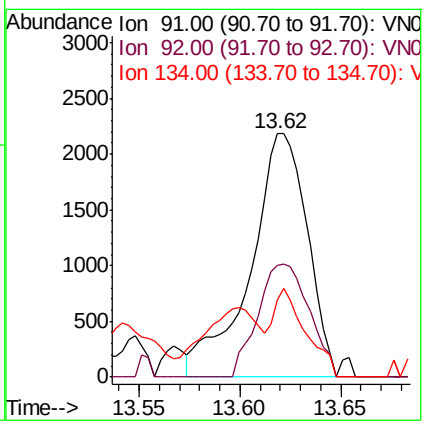


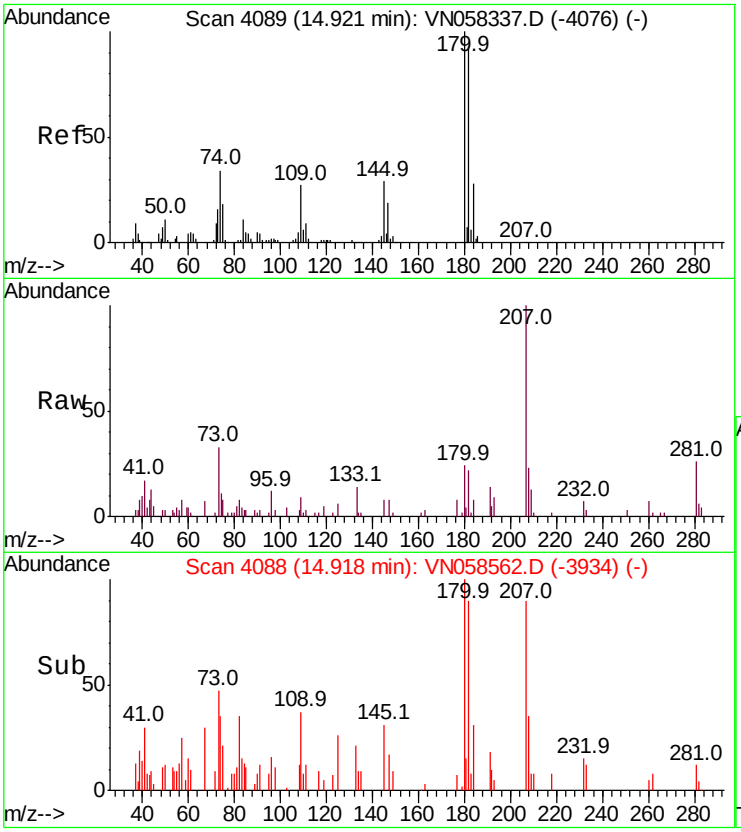


#85
n-Butylbenzene
Concen: 0.254 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. -0.00 min
Lab File: VN058562.D
Acq: 7 Oct 2019 13:18

Tgt Ion: 91 Resp: 4269

Ion	Ratio	Lower	Upper
91	100		
92	41.8	0.0	102.6
134	21.1	0.0	47.8



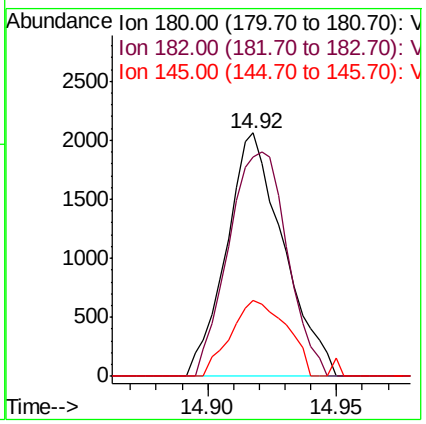


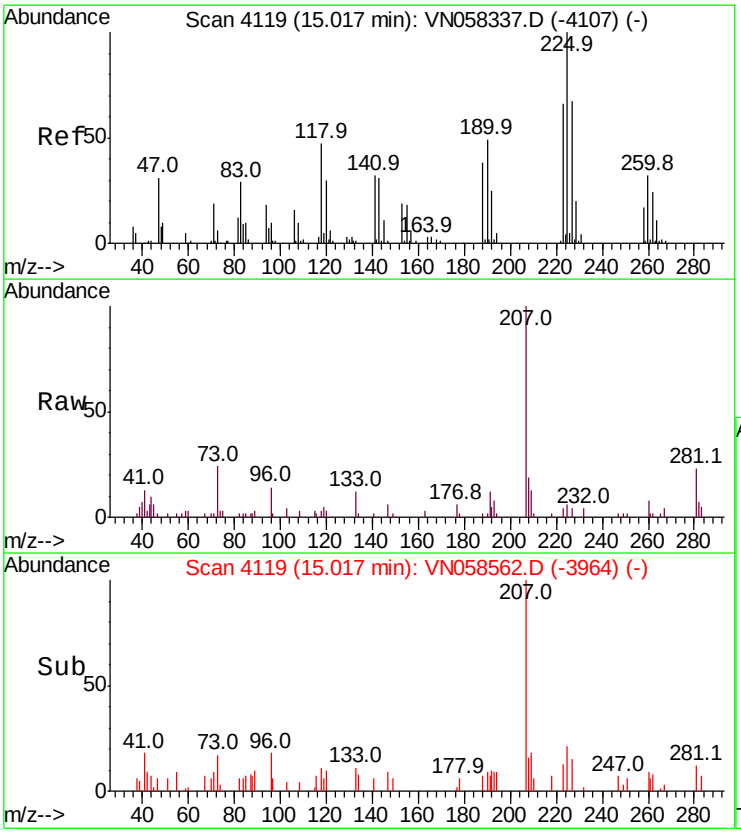
#89
1,2,4-Trichlorobenzene
Concen: 0.543 ug/l
RT: 14.92 min Scan# 4088
Delta R.T. -0.00 min
Lab File: VN058562.D
Acq: 7 Oct 2019 13:18

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:180 Resp: 3177

Ion	Ratio	Lower	Upper
180	100		
182	95.0	75.2	112.8
145	30.6	25.1	37.7

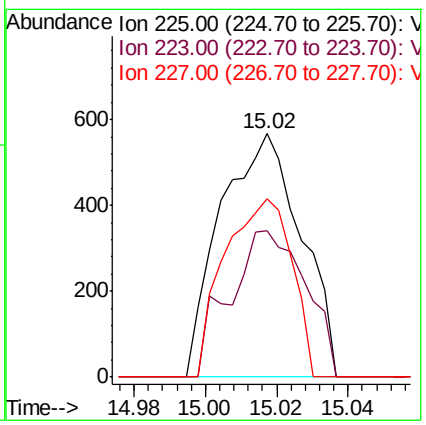


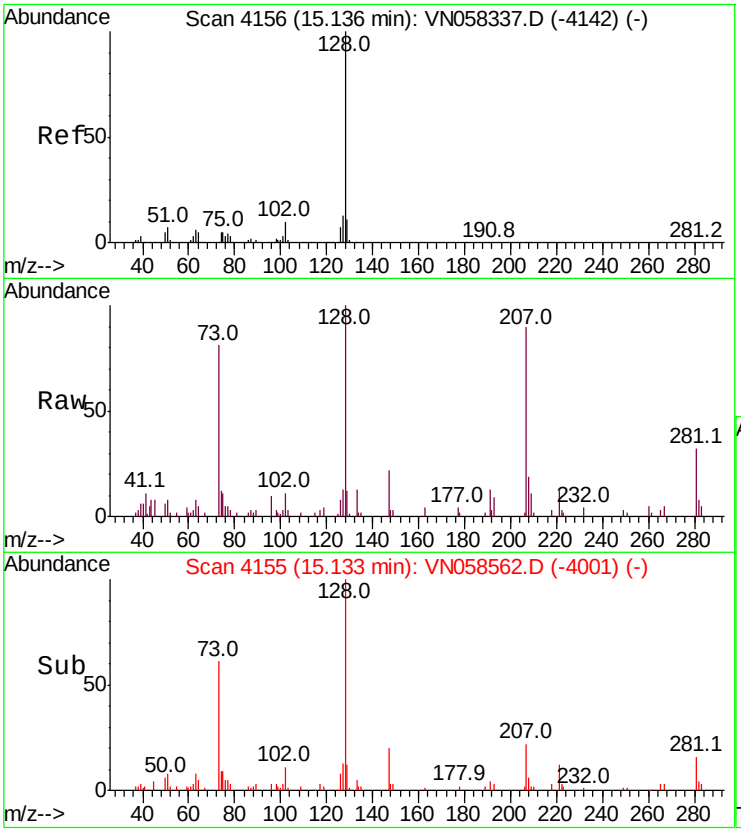


#90
Hexachlorobutadiene
Concen: 0.312 ug/l
RT: 15.02 min Scan# 4119
Delta R.T. -0.00 min
Lab File: VN058562.D
Acq: 7 Oct 2019 13:18

Tgt Ion:225 Resp: 884

Ion	Ratio	Lower	Upper
225	100		
223	45.4	0.0	132.6
227	61.2	0.0	129.2



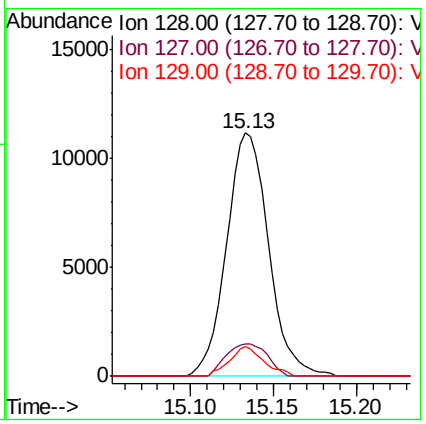


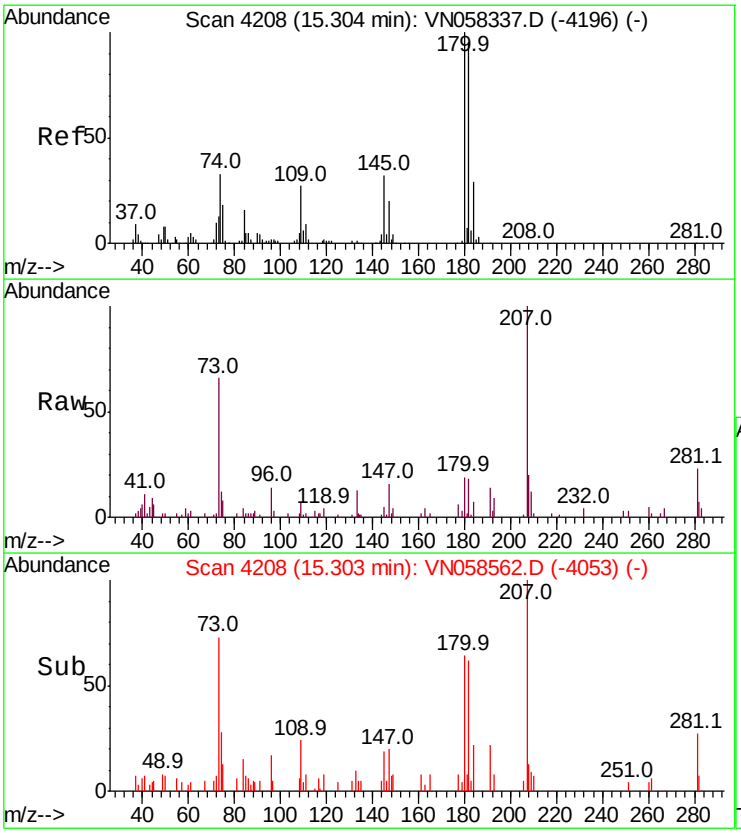
#91
Naphthalene
Concen: 1.226 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN058562.D
Acq: 7 Oct 2019 13:18

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 19710

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.2	15.4
129	9.8	8.6	13.0





#92
1,2,3-Trichlorobenzene
Concen: 0.746 ug/l
RT: 15.30 min Scan# 4208
Delta R.T. -0.00 min
Lab File: VN058562.D
Acq: 7 Oct 2019 13:18

Tgt Ion:180 Resp: 4193

Ion	Ratio	Lower	Upper
180	100		
182	87.0	0.0	189.4
145	11.8	0.0	64.0