Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN113018\
Data File : VN052599.D
Acq On : 30 Nov 2018 11:48
Operator : MD\SY
Sample : VN1130WBSD01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 28

Instrument : MSVOA_N
ClientSampleId : VN1130WBSD01

Manual Integrations APPROVED
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12/3/2018 10:49:28 AM

Quant Time: Nov 30 12:23:35 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N112618W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Nov 27 00:48:33 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	168731	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	961051	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	838620	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	337025	29.31	ug/l	0.00
Spiked Amount 30.000	Range 50 - 169		Recovery = 97.70%			
60) 4-Bromofluorobenzene	12.40	95	378168	29.49	ug/l	0.00
Spiked Amount 30.000	Range 56 - 143		Recovery = 98.30%			
63) Toluene-d8	10.09	98	1142192	29.37	ug/l	0.00
Spiked Amount 30.000	Range 66 - 137		Recovery = 97.90%			

Target Compounds	R.T.	QIon	Response	Conc	Units		Qvalue
2) Dichlorodifluoromethane	1.85	85	183039	19.047	ug/l		100
3) Chloromethane	2.06	50	237461	18.632	ug/l		100
4) Vinyl Chloride	2.19	62	248518	19.320	ug/l		98
5) Bromomethane	2.58	94	151447	20.649	ug/l		100
6) Chloroethane	2.71	64	150894	19.726	ug/l		99
7) Trichlorofluoromethane	3.02	101	310097	19.534	ug/l		98
8) Diethyl Ether	3.41	74	117818	20.099	ug/l		96
9) 1,1,2-Trichlorotrifluoroet	3.77	101	195332	19.410	ug/l		99
10) 1,1-Dichloroethene	3.74	96	188331	19.904	ug/l		98
11) Methyl Iodide	3.96	142	272561	20.747	ug/l		99
12) Methyl Acetate	4.33	43	161757	20.120	ug/l		98
13) Acrolein	3.61	56	127863	135.394	ug/l		99
14) Acrylonitrile	4.99	53	344954	100.701	ug/l		98
15) Acetone	3.82	58	79167	89.239	ug/l		94
16) Carbon Disulfide	4.06	76	550043	18.361	ug/l		99
17) Allyl chloride	4.33	41	294107	17.823	ug/l		99
18) Methylene Chloride	4.55	84	216575	19.768	ug/l		96
19) trans-1,2-Dichloroethene	5.05	96	200867	19.726	ug/l		94
20) Diisopropyl ether	5.95	45	676860	19.519	ug/l		97
21) 1,1-Dichloroethane	5.85	63	386641	19.562	ug/l		99
22) cis-1,2-Dichloroethene	6.83	96	231231	19.814	ug/l		98
23) tert-Butyl Alcohol	4.78	59	25932	50.889	ug/l	#	100
24) Methyl tert-Butyl Ether	5.05	73	508973	20.504	ug/l		98
25) Chloroform	7.37	83	376551	19.748	ug/l		98
26) Cyclohexane	7.66	56	352570	18.913	ug/l	#	98
29) 1,1-Dichloropropene	7.79	75	288713	19.672	ug/l		100
30) 2-Butanone	6.84	43	391161	99.605	ug/l		99
31) 2,2-Dichloropropane	6.83	77	265840	19.675	ug/l	#	80
32) 1,1,1-Trichloroethane	7.57	97	312695	20.476	ug/l		98
33) Carbon Tetrachloride	7.78	117	267002	19.982	ug/l		99
34) Benzene	8.04	78	886177	20.083	ug/l		99
35) Methacrylonitrile	7.18	41	94170	19.327	ug/l		97
36) 1,2-Dichloroethane	8.12	62	272199	20.357	ug/l		100
37) Trichloroethene	8.84	130	224537	20.068	ug/l		98
38) Methylcyclohexane	9.08	83	343359	18.899	ug/l		98
39) 1,2-Dichloropropane	9.12	63	235651	19.923	ug/l		97
40) Dibromomethane	9.21	93	132185	20.681	ug/l		98

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Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 28

Quant Time: Nov 30 12:23:35 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N112618W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Nov 27 00:48:33 2018
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1130WBSD01

Manual Integrations APPROVED
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Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Bromodichloromethane	9.40	83	276684	19.593 ug/l	100
42) Vinyl Acetate	5.90	43	2113753	99.479 ug/l	98
43) Ethyl Acetate	6.93	43	176143	21.093 ug/l #	72
44) Isopropyl Acetate	8.17	43	315725	21.558 ug/l	96
45) 1,4-Dioxane	9.20	88	35080	437.846 ug/l	94
46) Methyl methacrylate	9.20	41	159423	20.965 ug/l	98
47) n-amyl Acetate	12.07	43	238580	19.648 ug/l	99
48) t-1,3-Dichloropropene	10.38	75	268332	19.597 ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	327611	19.638 ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	186348	20.568 ug/l	99
51) Ethyl methacrylate	10.43	69	235120	20.662 ug/l	96
52) 1,3-Dichloropropane	10.71	76	324328	20.111 ug/l	100
53) Dibromochloromethane	10.90	129	202655	20.316 ug/l	98
54) 1,2-Dibromoethane	11.01	107	180816	20.423 ug/l	100
55) 2-Chloroethyl vinyl ether	9.70	63	653754	98.149 ug/l	99
56) Bromoform	12.13	173	131222	20.126 ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	863371	106.193 ug/l	99
59) 2-Hexanone	10.75	43	568282	102.322 ug/l	99
61) Tetrachloroethene	10.63	164	216491	20.960 ug/l	97
62) Toluene	10.16	91	929402	20.104 ug/l	99
64) Chlorobenzene	11.44	112	571819	20.265 ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	199714	20.390 ug/l	100
66) Ethyl Benzene	11.51	91	997324	20.016 ug/l	99
67) m/p-Xylenes	11.62	106	753674	40.601 ug/l	97
68) o-Xylene	11.95	106	366439	20.338 ug/l	100
69) Styrene	11.97	104	581468	19.995 ug/l	100
70) Isopropylbenzene	12.25	105	973094	20.299 ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	219282	21.028 ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	189536m	21.173 ug/l	
73) Bromobenzene	12.53	156	235367	20.301 ug/l	97
74) n-propylbenzene	12.59	91	1104920	19.782 ug/l	100
75) 2-Chlorotoluene	12.68	91	653214	20.148 ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	782184	20.201 ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	54098	19.131 ug/l	96
78) 4-Chlorotoluene	12.77	91	643139	19.865 ug/l	100
79) tert-butylbenzene	12.99	119	691910	20.519 ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	776830	20.050 ug/l	99
81) sec-Butylbenzene	13.17	105	923574	19.664 ug/l	100
82) p-Isopropyltoluene	13.29	119	790485	19.765 ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	407719	19.995 ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	391021	19.848 ug/l	100
85) n-Butylbenzene	13.62	91	641574	18.675 ug/l	99
86) Hexachloroethane	13.88	117	129220	19.069 ug/l	98
87) 1,2-Dichlorobenzene	13.65	146	402097	20.722 ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	31473	21.546 ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	184161	19.263 ug/l	99
90) Hexachlorobutadiene	15.01	225	128305	20.459 ug/l	98
91) Naphthalene	15.13	128	381257	19.748 ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	176843	20.072 ug/l	98

```
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Data File : VN052599.D
Acq On    : 30 Nov 2018  11:48
Operator  : MD\SY
Sample    : VN1130WBSD01
Misc      : 5.00mL/MSVOA_N/WATER
ALS Vial  : 8   Sample Multiplier: 28

Quant Time: Nov 30 12:23:35 2018
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QLast Update : Tue Nov 27 00:48:33 2018
Response via : Initial Calibration
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Instrument : MSVOA_N
ClientSampleId : VN1130WBSD01

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 Internal Standards                R.T. QIon  Response  Conc Units Dev(Min)
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 (#) = qualifier out of range (m) = manual integration (+) = signals summed
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Instrument :
MSVOA_N
ClientSampleId :
VN1130WBSD01

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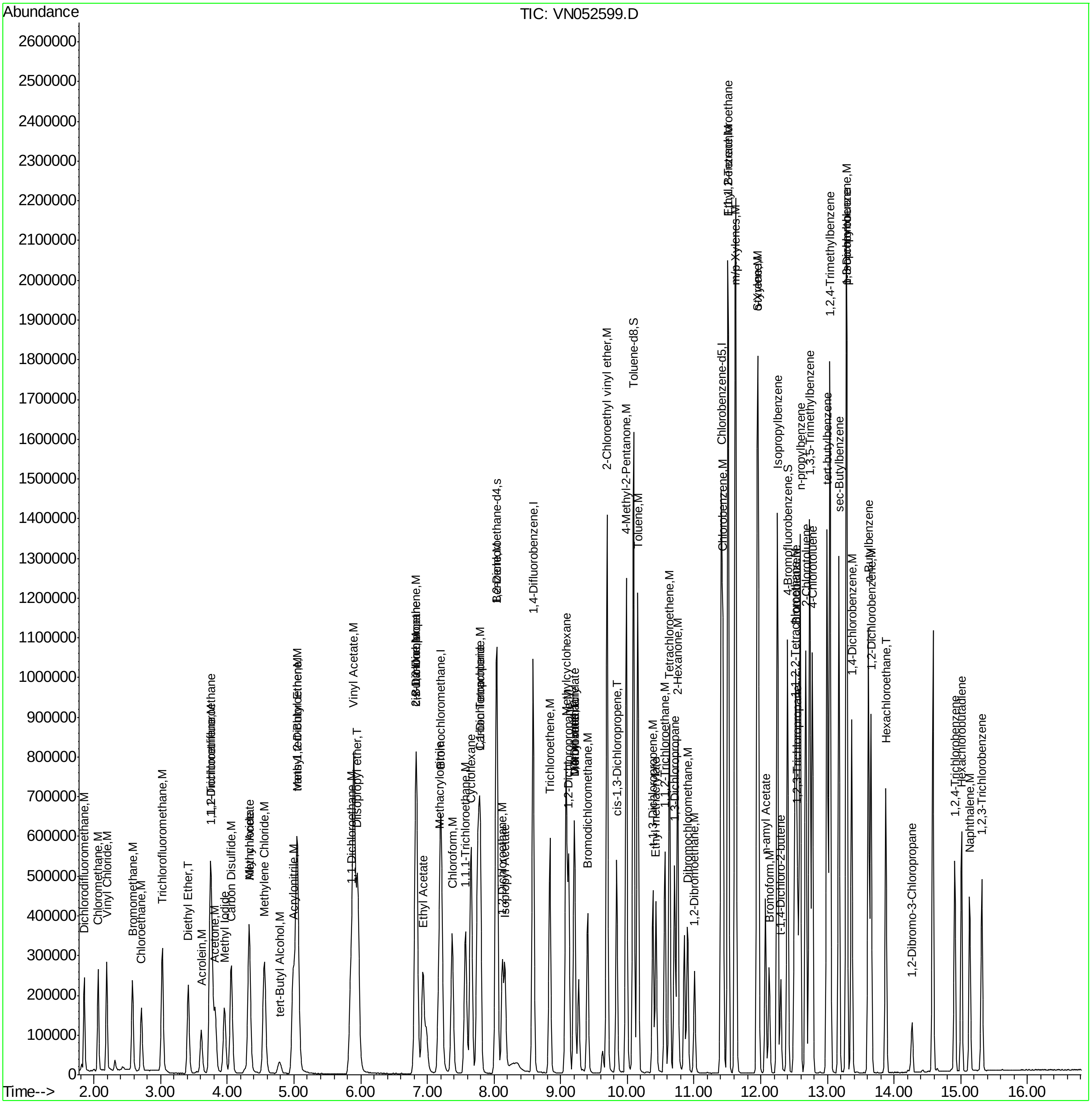

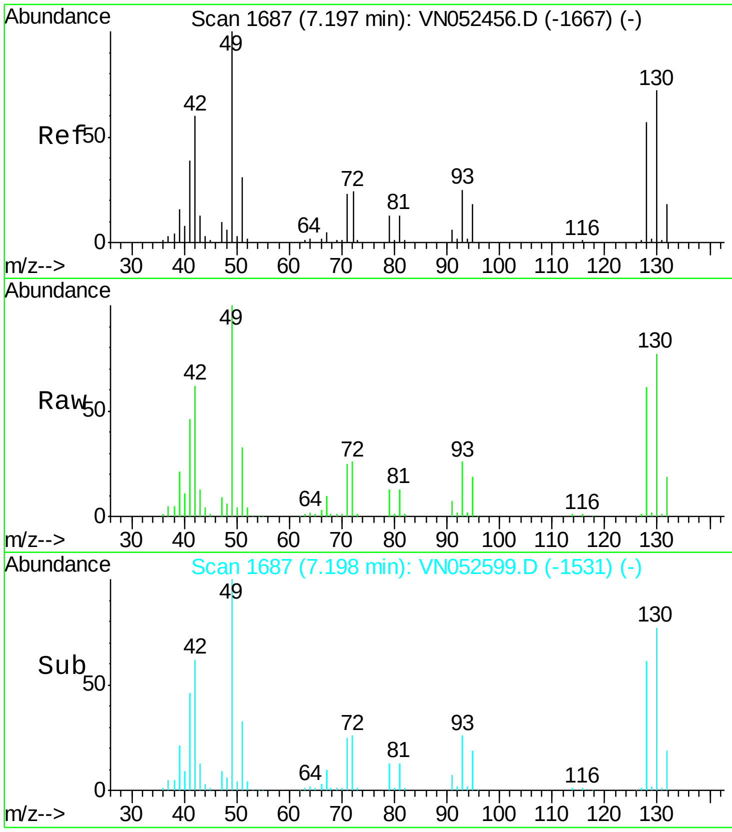

#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN052599.D
Acq: 30 Nov 2018 11:48

Tgt Ion:128 Resp: 168731

Ion	Ratio	Lower	Upper
128	100		
49	163.5	0.0	431.8
130	127.6	0.0	317.0

Instrument :
MSVOA_N
ClientSampleId :
VN1130WBSD01

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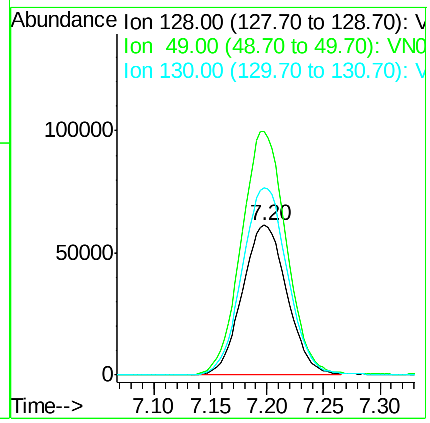
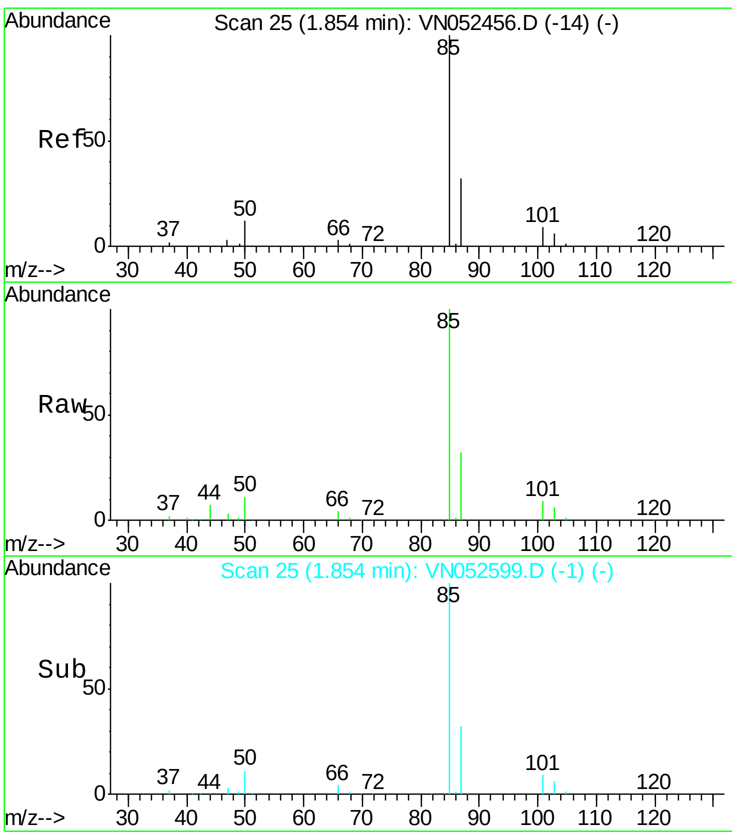
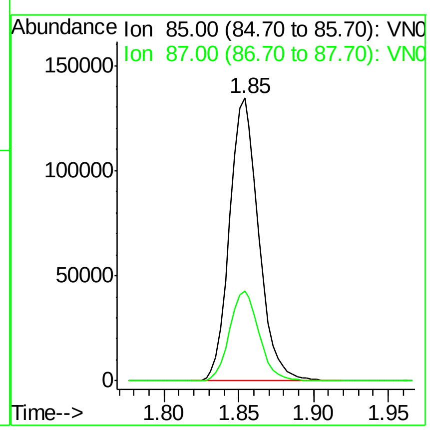


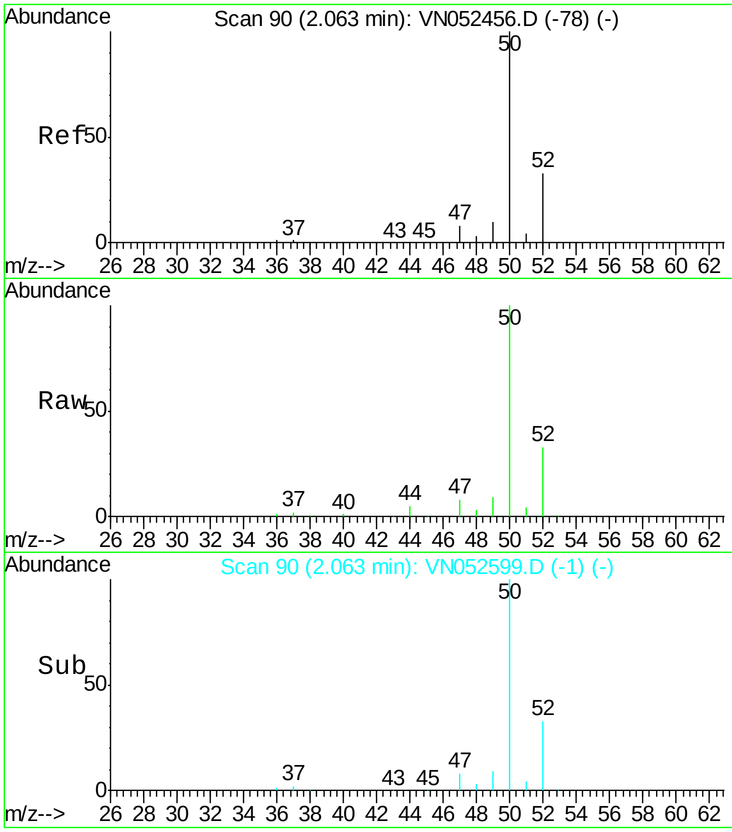


#2
Dichlorodifluoromethane
Concen: 19.047 ug/l
RT: 1.85 min Scan# 25
Delta R.T. 0.00 min
Lab File: VN052599.D
Acq: 30 Nov 2018 11:48

Tgt Ion: 85 Resp: 183039

Ion	Ratio	Lower	Upper
85	100		
87	32.0	16.1	48.3





#3
Chloromethane
Concen: 18.632 ug/l
RT: 2.06 min Scan# 90
Delta R.T. 0.00 min
Lab File: VN052599.D
Acq: 30 Nov 2018 11:48

Tgt Ion: 50 Resp: 237461

Ion	Ratio	Lower	Upper
50	100		
52	33.3	26.5	39.7

Instrument :
MSVOA_N
ClientSampleId :
VN1130WBSD01

Manual Integrations APPROVED

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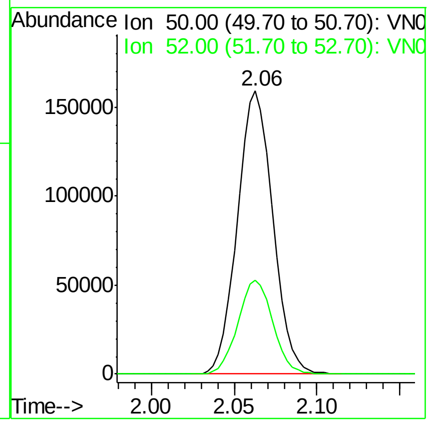
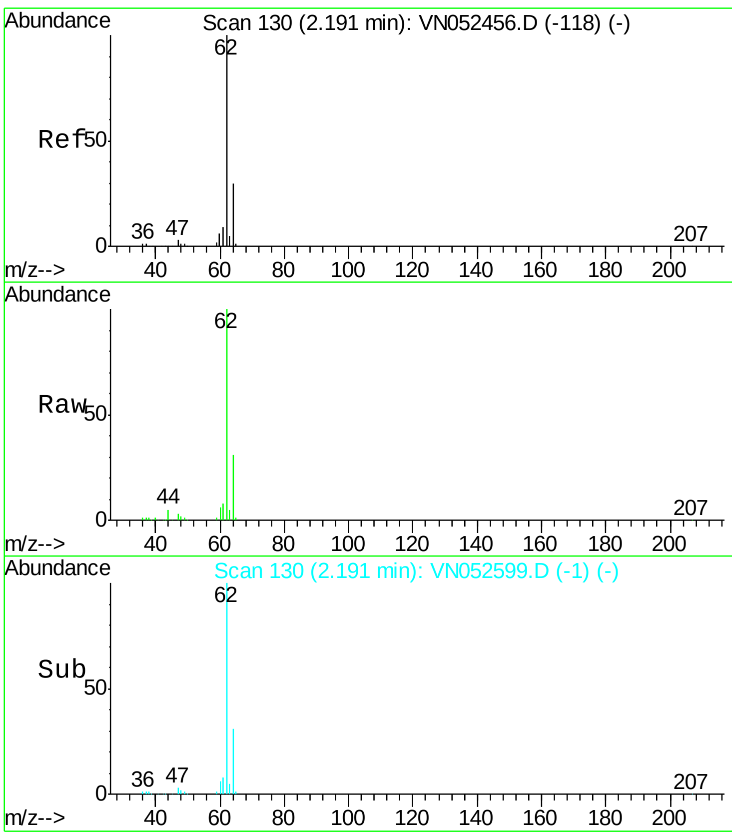
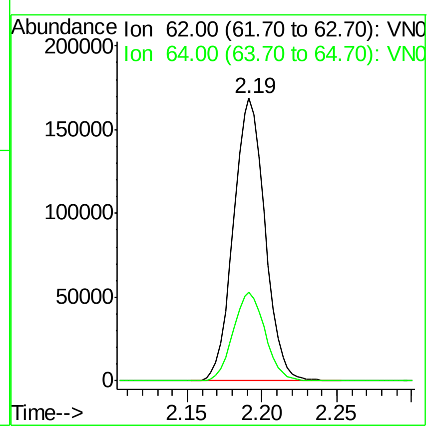


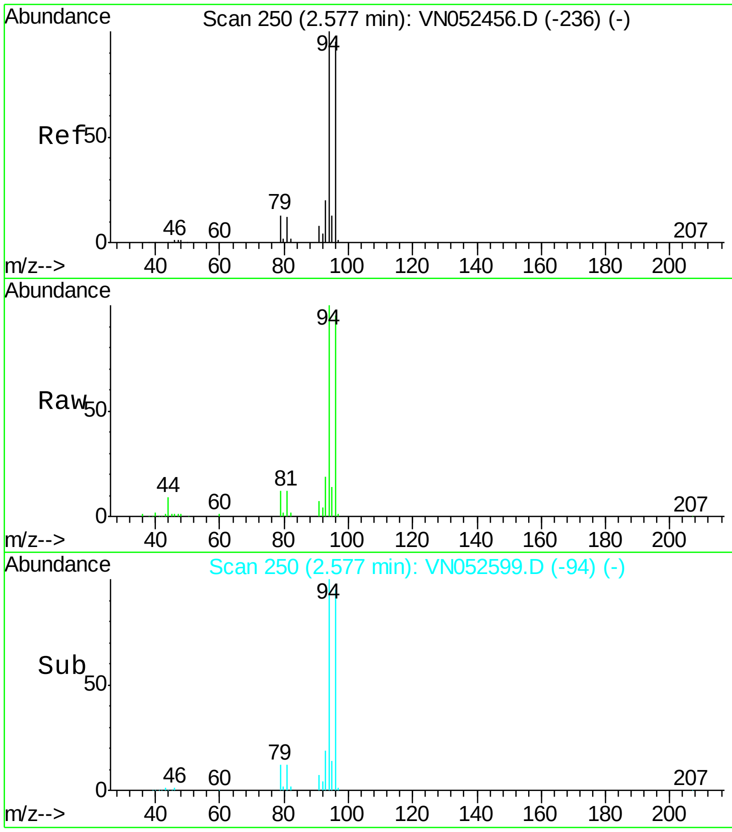


#4
Vinyl Chloride
Concen: 19.320 ug/l
RT: 2.19 min Scan# 130
Delta R.T. 0.00 min
Lab File: VN052599.D
Acq: 30 Nov 2018 11:48

Tgt Ion: 62 Resp: 248518

Ion	Ratio	Lower	Upper
62	100		
64	31.3	24.2	36.4





#5
Bromomethane
Concen: 20.649 ug/l
RT: 2.58 min Scan# 250
Delta R.T. 0.00 min
Lab File: VN052599.D
Acq: 30 Nov 2018 11:48

Tgt Ion: 94 Resp: 151447

Ion	Ratio	Lower	Upper
94	100		
96	94.8	76.2	114.2

Instrument :
MSVOA_N
ClientSampleId :
VN1130WBSD01

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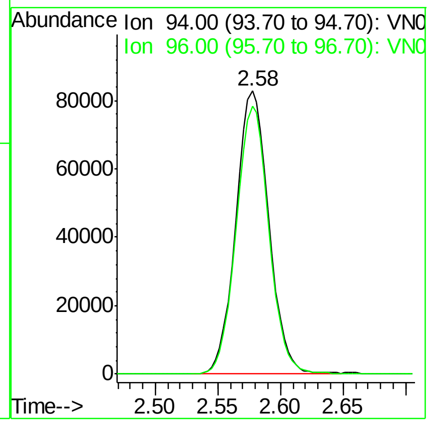
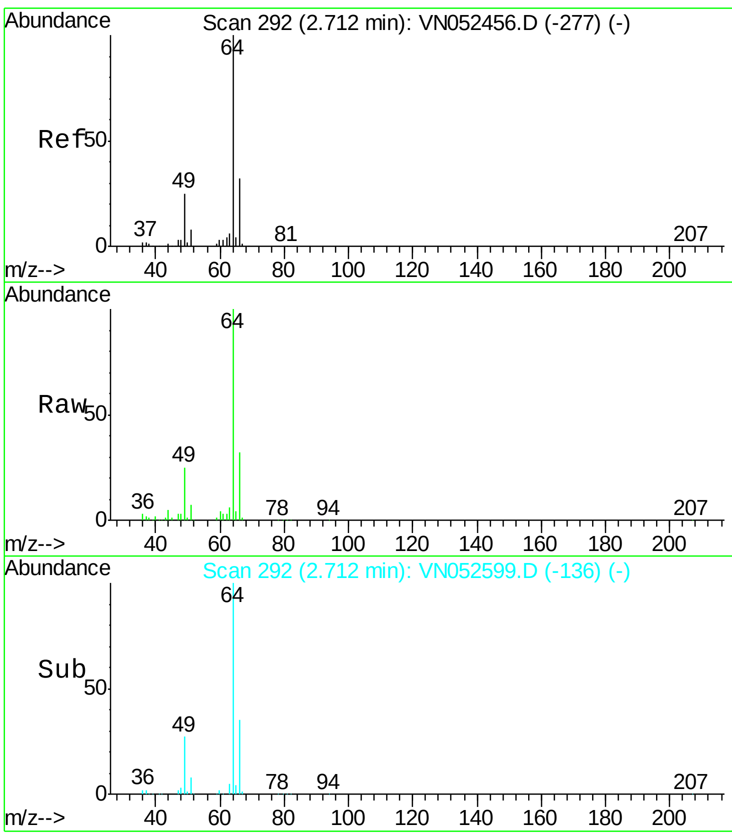
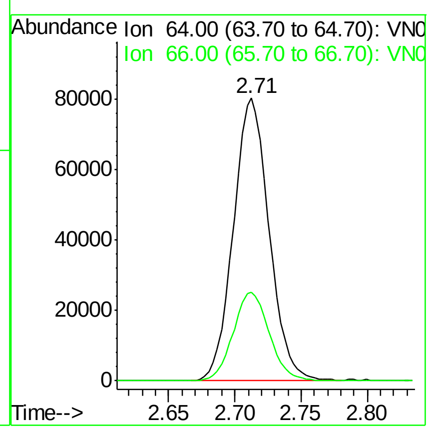


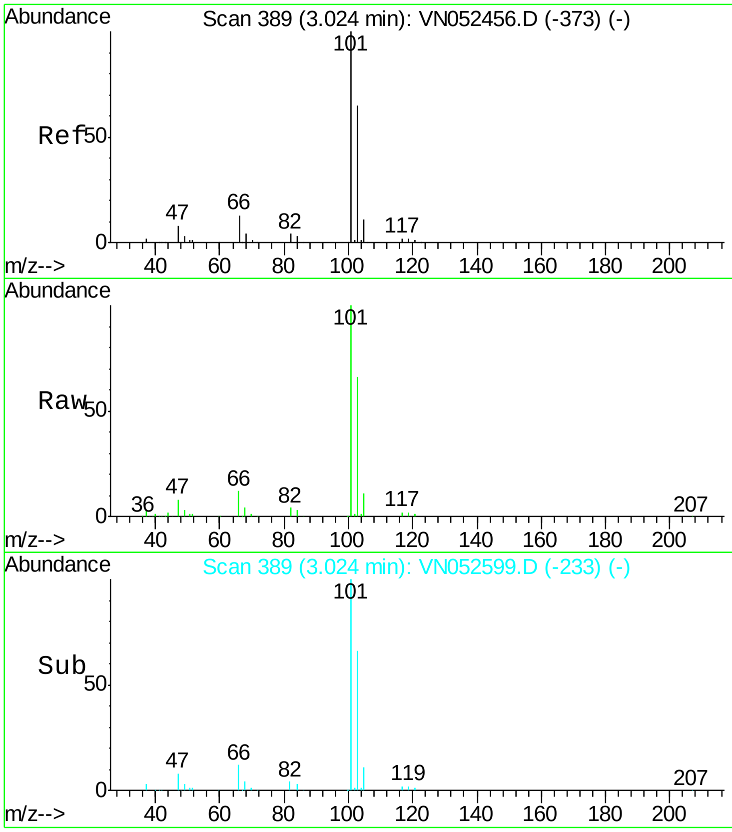


#6
Chloroethane
Concen: 19.726 ug/l
RT: 2.71 min Scan# 292
Delta R.T. 0.00 min
Lab File: VN052599.D
Acq: 30 Nov 2018 11:48

Tgt Ion: 64 Resp: 150894

Ion	Ratio	Lower	Upper
64	100		
66	31.6	25.6	38.4





#7
Trichlorofluoromethane
Concen: 19.534 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN052599.D
Acq: 30 Nov 2018 11:48

Tgt Ion:101 Resp: 310097

Ion	Ratio	Lower	Upper
101	100		
103	66.3	52.1	78.1

Instrument :
MSVOA_N
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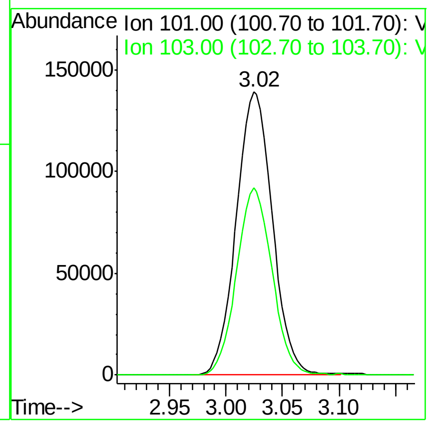
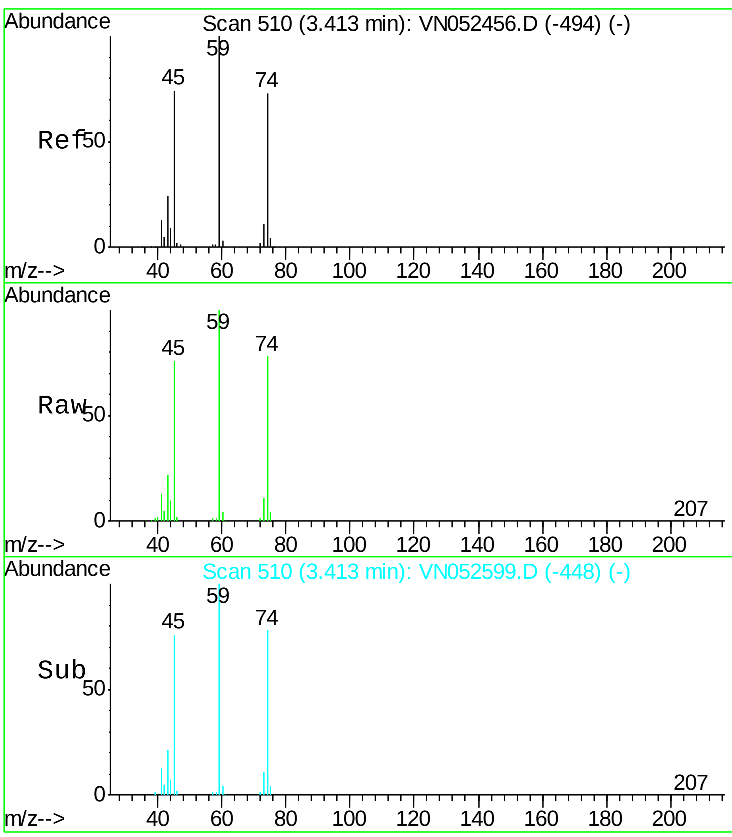
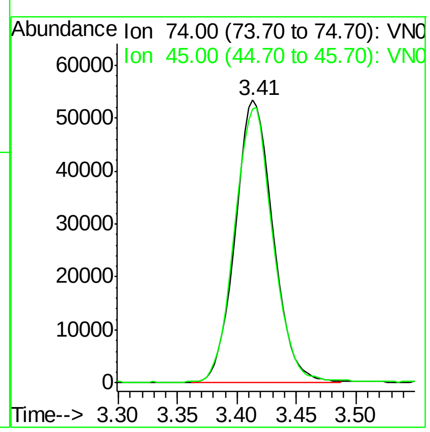


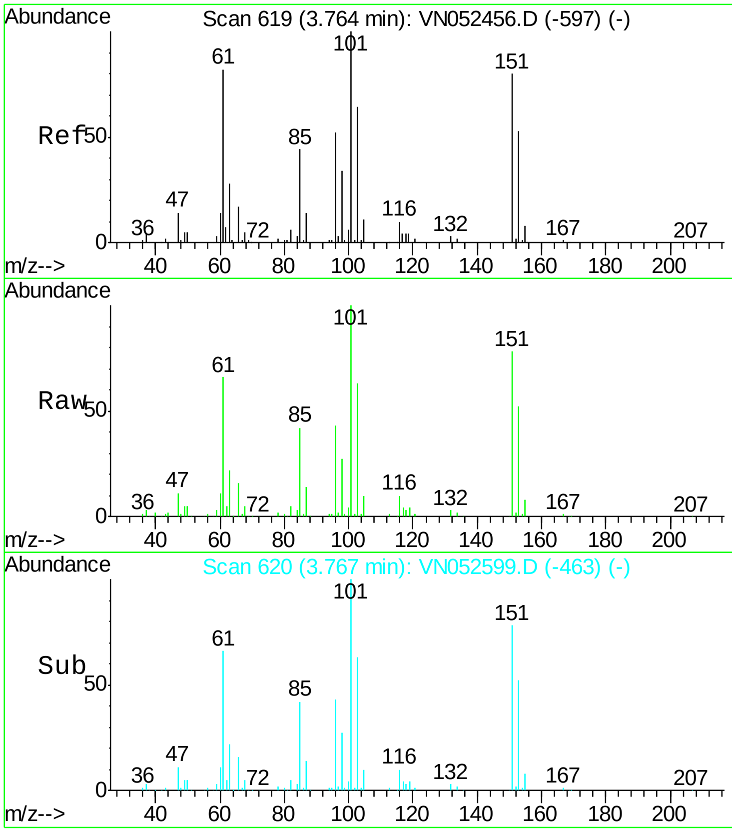


#8
Diethyl Ether
Concen: 20.099 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN052599.D
Acq: 30 Nov 2018 11:48

Tgt Ion: 74 Resp: 117818

Ion	Ratio	Lower	Upper
74	100		
45	98.9	20.6	185.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.410 ug/l
RT: 3.77 min Scan# 620
Delta R.T.   0.00 min
Lab File: VN052599.D
Acq: 30 Nov 2018 11:48

Instrument :
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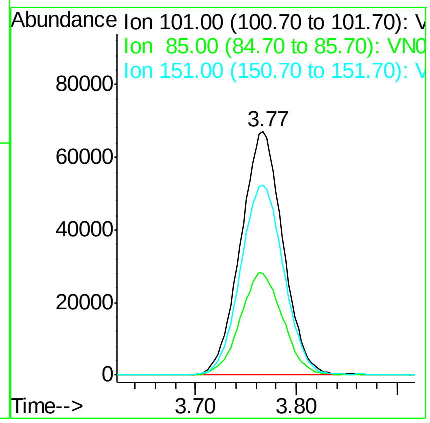
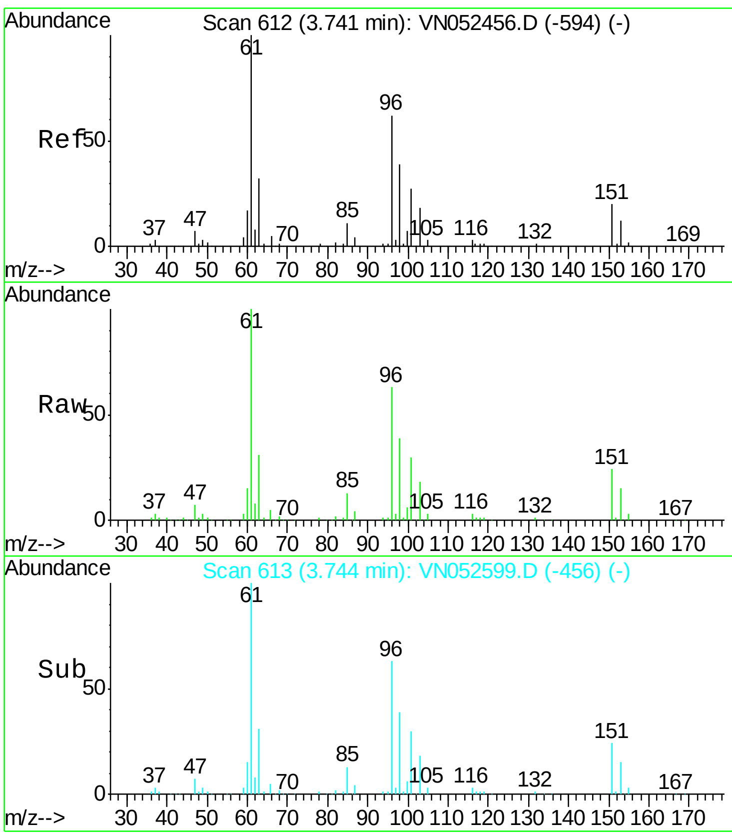
Tgt Ion:101 Resp: 195332

Ion	Ratio	Lower	Upper
101	100		
85	42.1	0.0	82.6
151	79.9	0.0	158.4

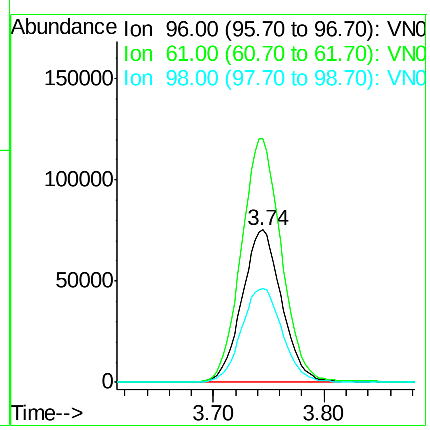


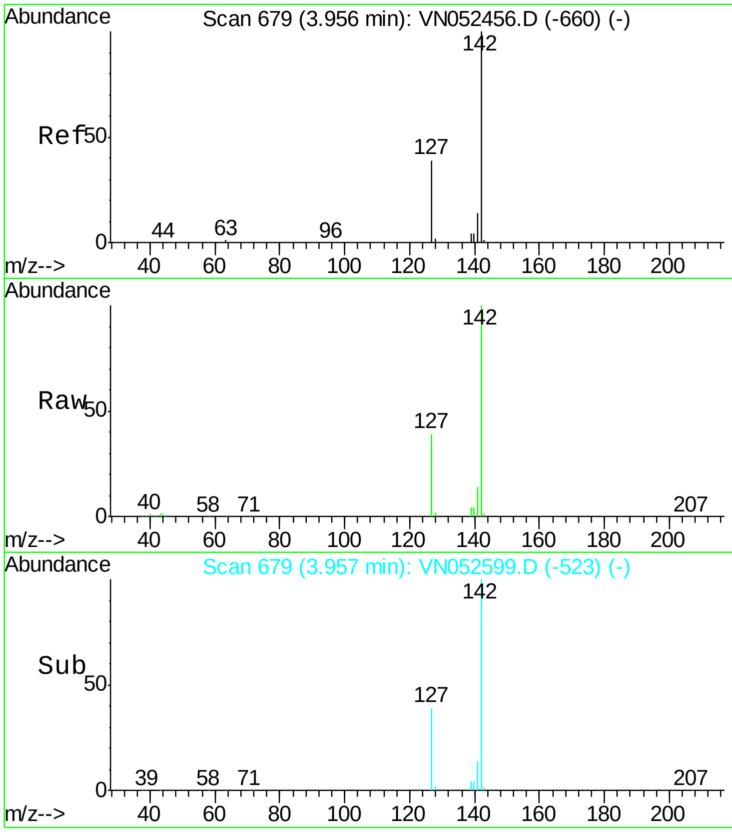


#10
1,1-Dichloroethene
Concen: 19.904 ug/l
RT: 3.74 min Scan# 613
Delta R.T.   0.00 min
Lab File: VN052599.D
Acq: 30 Nov 2018 11:48

Tgt Ion: 96 Resp: 188331

Ion	Ratio	Lower	Upper
96	100		
61	159.7	129.4	194.2
98	61.6	50.4	75.6





#11
Methyl Iodide
Concen: 20.747 ug/l
RT: 3.96 min   Scan# 679
Delta R.T.   0.00 min
Lab File: VN052599.D
Acq: 30 Nov 2018   11:48

Tgt Ion:142 Resp: 272561

Ion	Ratio	Lower	Upper
142	100		
127	38.5	19.4	58.1
141	13.7	7.2	21.6

Instrument :
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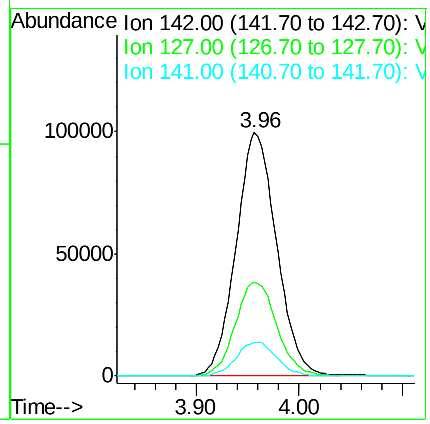
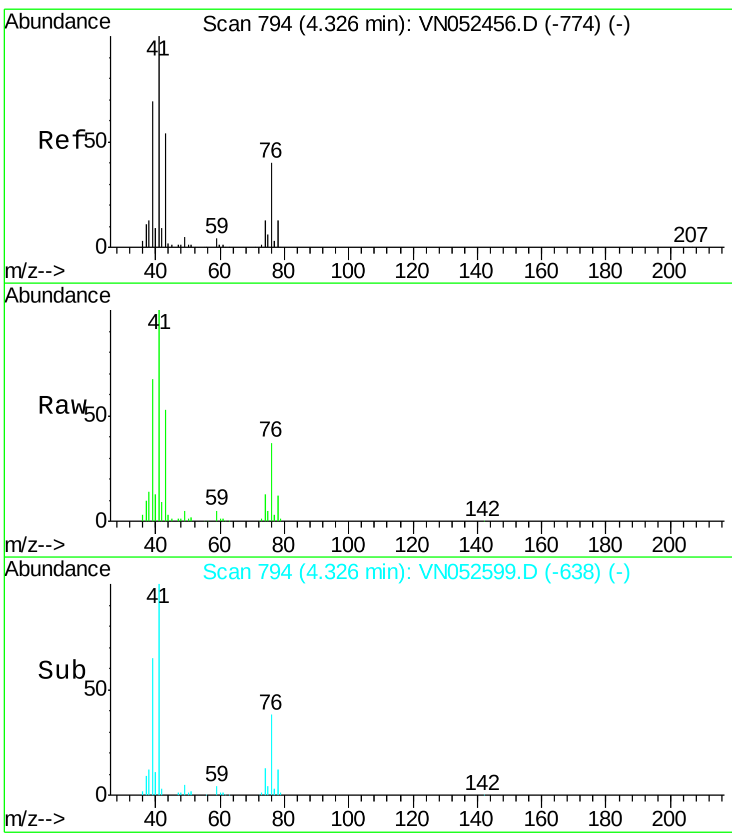
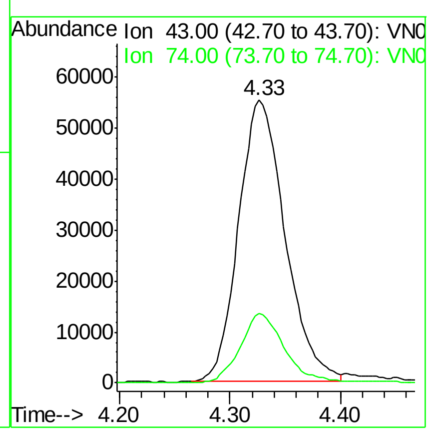


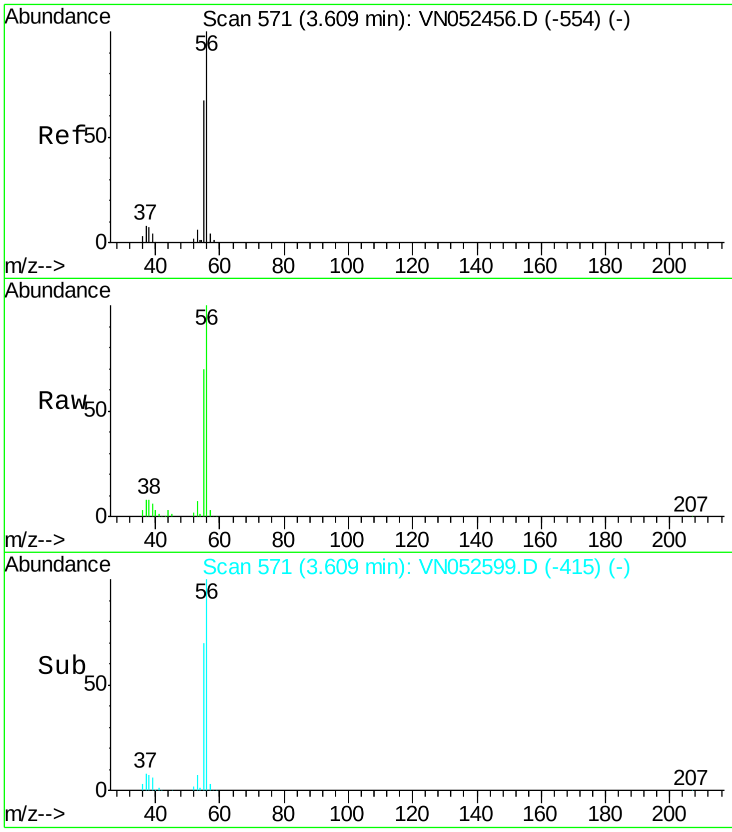


#12
Methyl Acetate
Concen: 20.120 ug/l
RT: 4.33 min   Scan# 794
Delta R.T.   0.00 min
Lab File: VN052599.D
Acq: 30 Nov 2018   11:48

Tgt Ion: 43 Resp: 161757

Ion	Ratio	Lower	Upper
43	100		
74	24.7	18.9	28.3





#13
Acrolein
Concen: 135.394 ug/l
RT: 3.61 min Scan# 571
Delta R.T. 0.00 min
Lab File: VN052599.D
Acq: 30 Nov 2018 11:48

Tgt Ion: 56 Resp: 127863

Ion	Ratio	Lower	Upper
56	100		
55	69.8	56.7	85.1

Instrument :
MSVOA_N
ClientSampleId :
VN1130WBSD01

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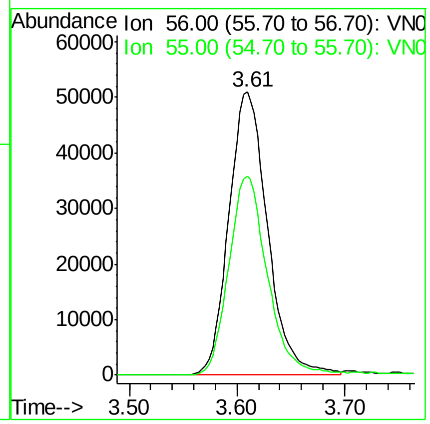
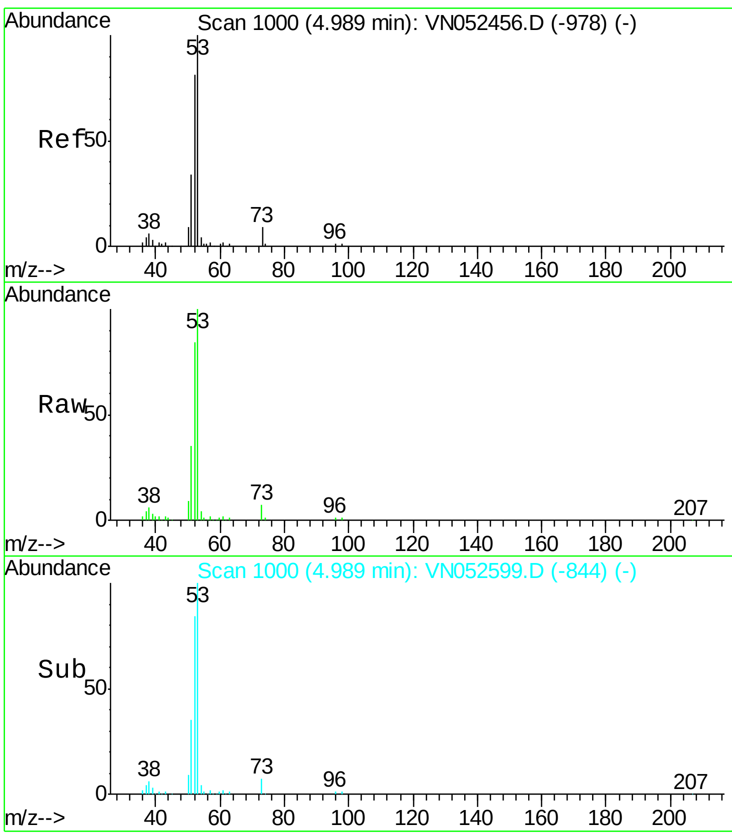
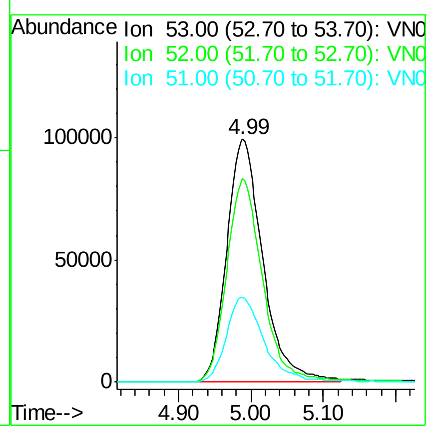


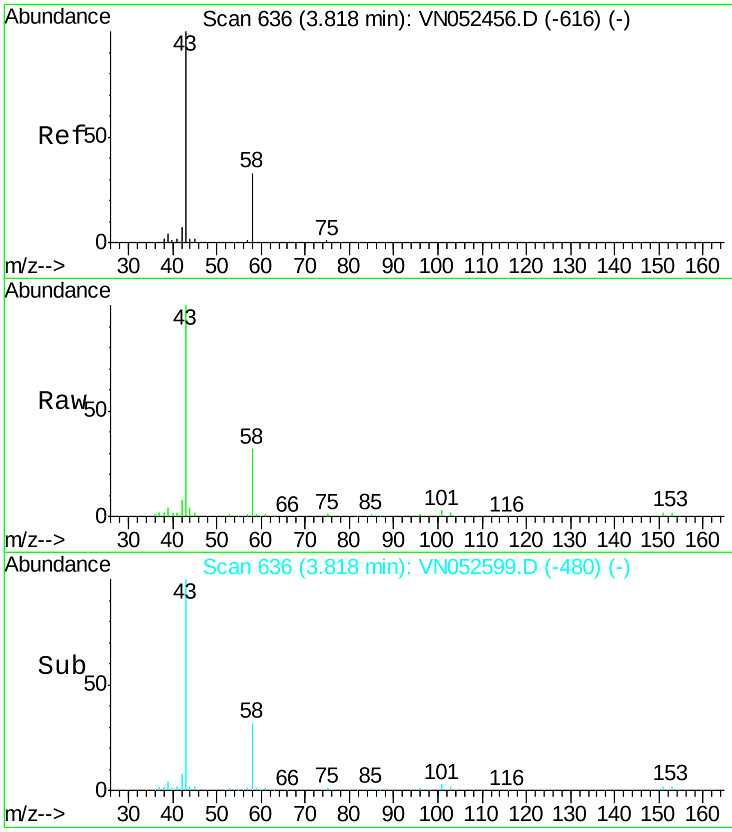


#14
Acrylonitrile
Concen: 100.701 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. 0.00 min
Lab File: VN052599.D
Acq: 30 Nov 2018 11:48

Tgt Ion: 53 Resp: 344954

Ion	Ratio	Lower	Upper
53	100		
52	82.1	39.9	119.7
51	36.1	17.6	52.9





#15
Acetone
Concen: 89.239 ug/l
RT: 3.82 min   Scan# 636
Delta R.T.   0.00 min
Lab File: VN052599.D
Acq: 30 Nov 2018   11:48

Tgt Ion: 58 Resp: 79167

Ion	Ratio	Lower	Upper
58	100		
43	316.1	243.6	365.4

Instrument :
MSVOA_N
ClientSampleId :
VN1130WBSD01

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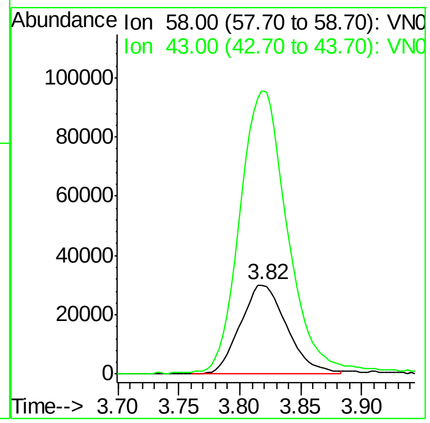
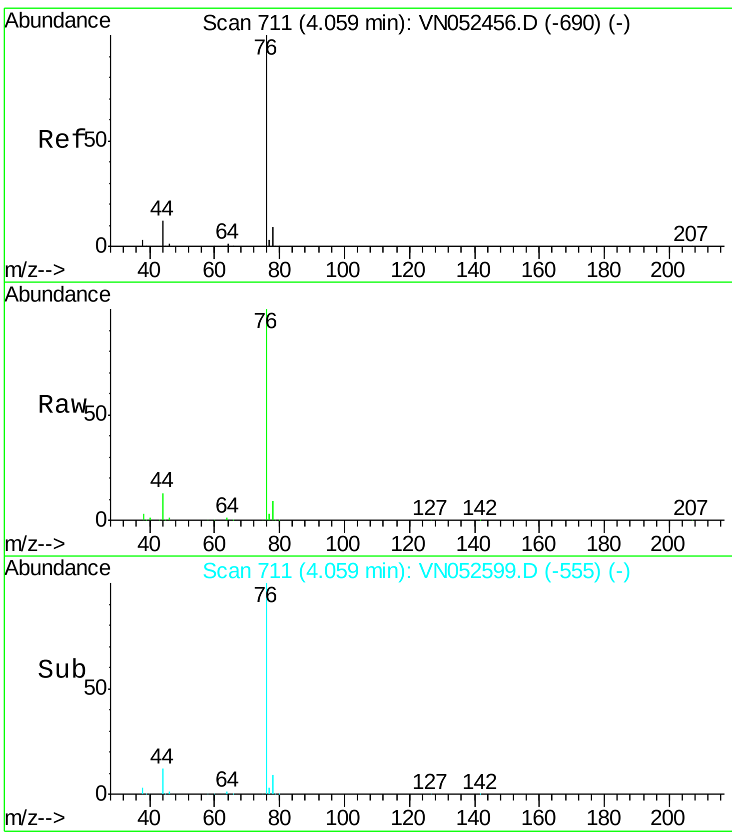
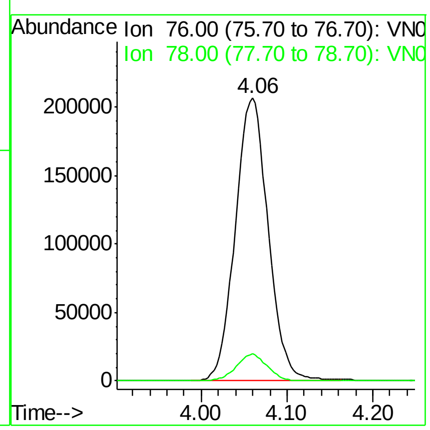


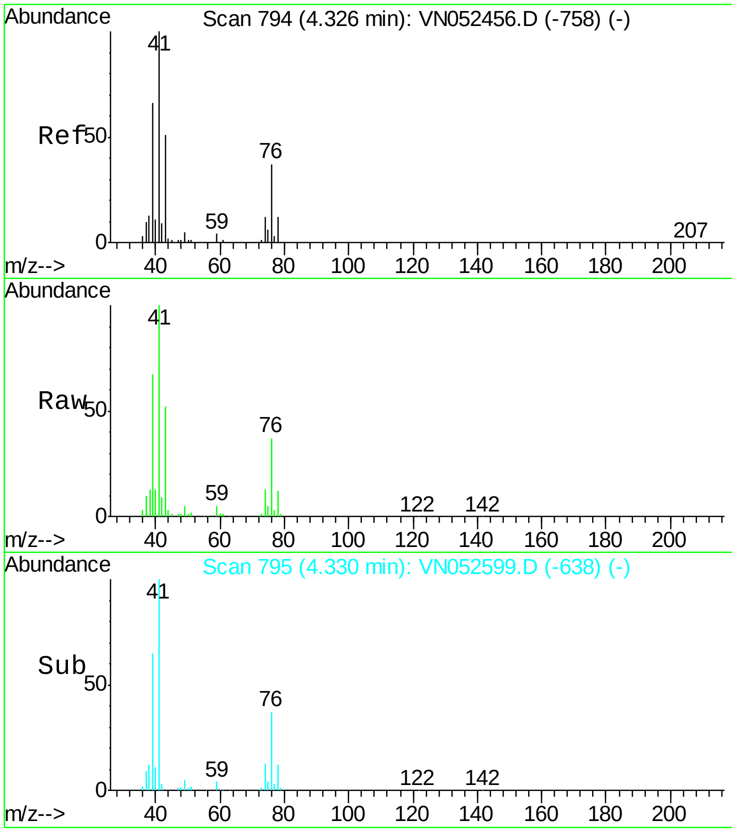


#16
Carbon Disulfide
Concen: 18.361 ug/l
RT: 4.06 min   Scan# 711
Delta R.T.   0.00 min
Lab File: VN052599.D
Acq: 30 Nov 2018   11:48

Tgt Ion: 76 Resp: 550043

Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.3	10.9





#17
Allyl chloride
Concen: 17.823 ug/l
RT: 4.33 min Scan# 795
Delta R.T.   0.00 min
Lab File: VN052599.D
Acq: 30 Nov 2018 11:48

Instrument :
MSVOA_N
ClientSampleId :
VN1130WBSD01

Manual Integrations APPROVED
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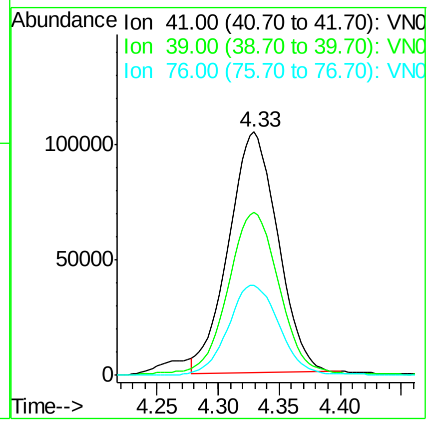
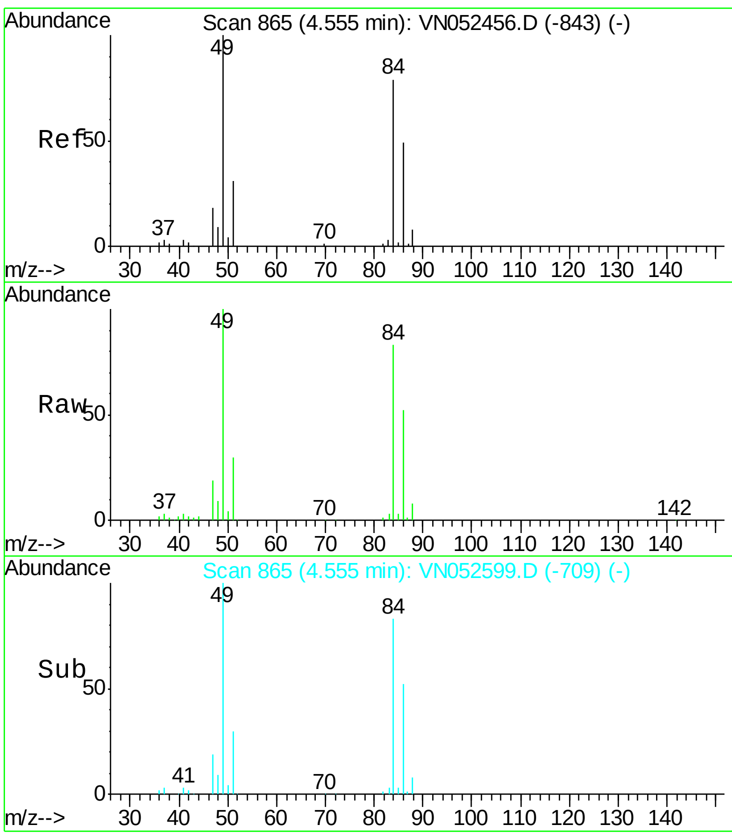
Tgt Ion: 41 Resp: 294107

Ion	Ratio	Lower	Upper
41	100		
39	66.8	32.8	98.3
76	36.7	18.6	55.8

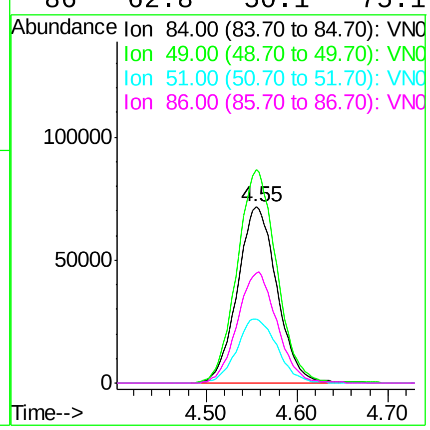


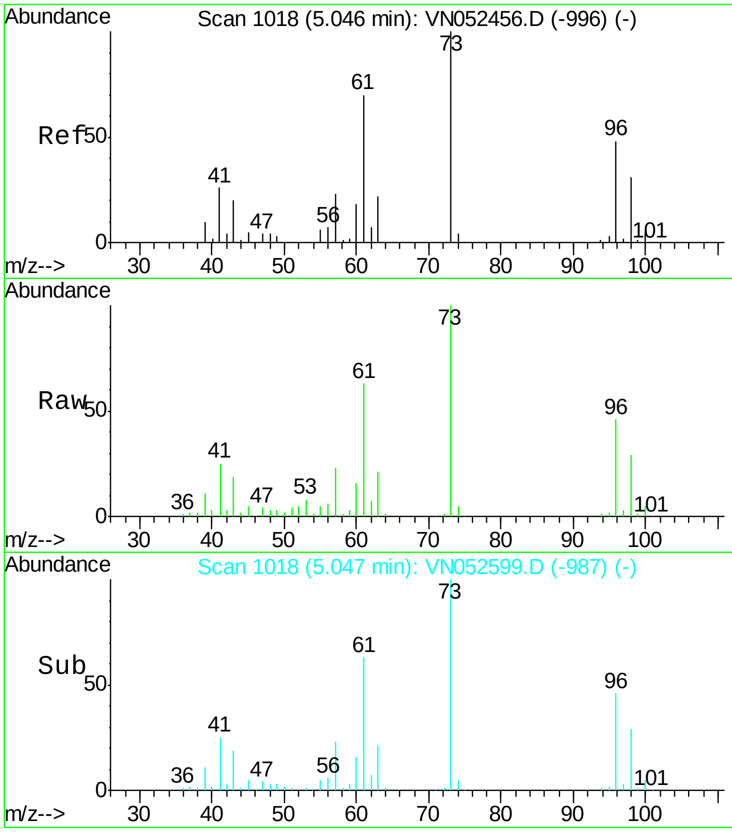


#18
Methylene Chloride
Concen: 19.768 ug/l
RT: 4.55 min Scan# 865
Delta R.T.   0.00 min
Lab File: VN052599.D
Acq: 30 Nov 2018 11:48

Tgt Ion: 84 Resp: 216575

Ion	Ratio	Lower	Upper
84	100		
49	121.2	101.4	152.0
51	36.3	31.7	47.5
86	62.8	50.1	75.1






```
#19
trans-1,2-Dichloroethene
Concen:   19.726 ug/l
RT: 5.05 min  Scan# 1018
Delta R.T.   0.00 min
Lab File:   VN052599.D
Acq: 30 Nov 2018  11:48

Tgt Ion: 96 Resp:  200867
Ion  Ratio  Lower  Upper
 96  100
 61  136.4  118.2  177.4
 98   63.8   51.4   77.2
```

Instrument :
MSVOA_N
ClientSampleId :
VN1130WBSD01

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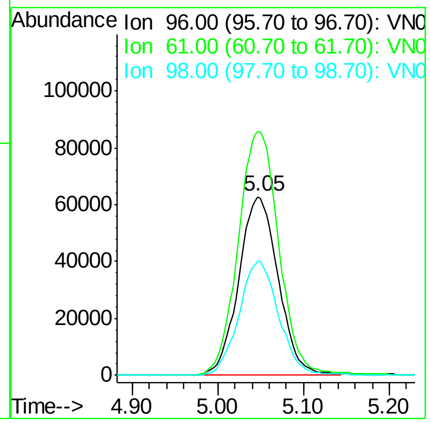
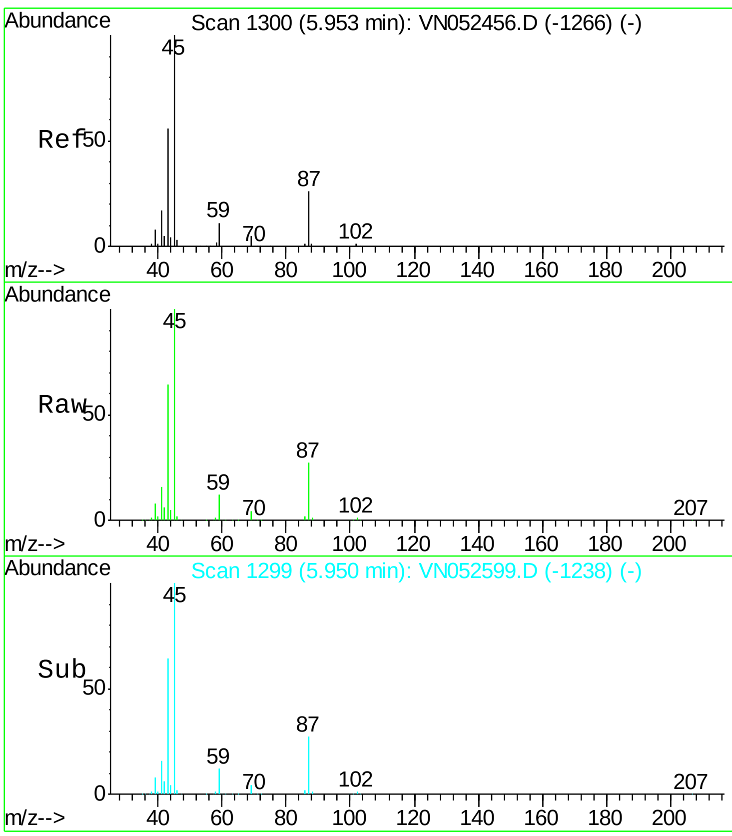
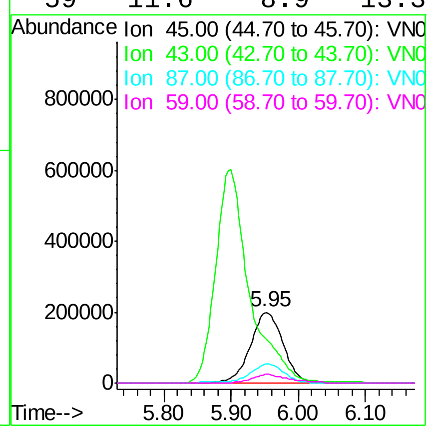
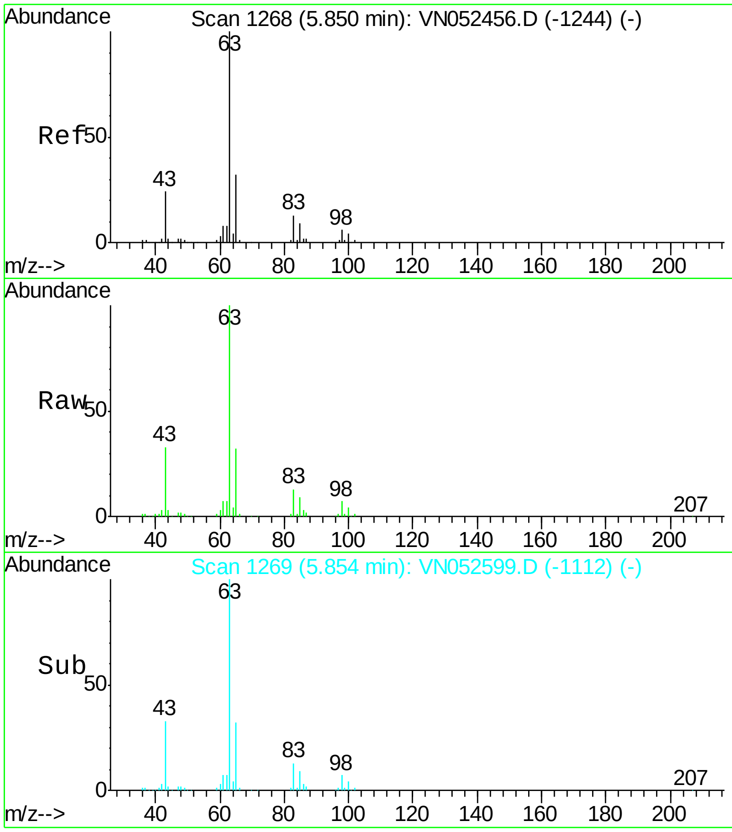





```
#20
Diisopropyl ether
Concen:   19.519 ug/l
RT: 5.95 min  Scan# 1299
Delta R.T.   -0.00 min
Lab File:   VN052599.D
Acq: 30 Nov 2018  11:48

Tgt Ion: 45 Resp:  676860
Ion  Ratio  Lower  Upper
 45  100
 43   62.7   47.8   71.8
 87   27.1   21.3   31.9
 59   11.6    8.9   13.3
```





#21
1,1-Dichloroethane
Concen: 19.562 ug/l
RT: 5.85 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VN052599.D
Acq: 30 Nov 2018 11:48

Tgt Ion: 63 Resp: 386641

Ion	Ratio	Lower	Upper
63	100		
98	6.6	3.0	9.2
100	4.0	1.8	5.5

Instrument :
MSVOA_N
ClientSampleId :
VN1130WBSD01

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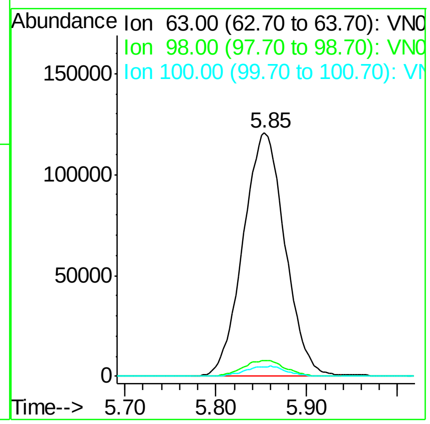
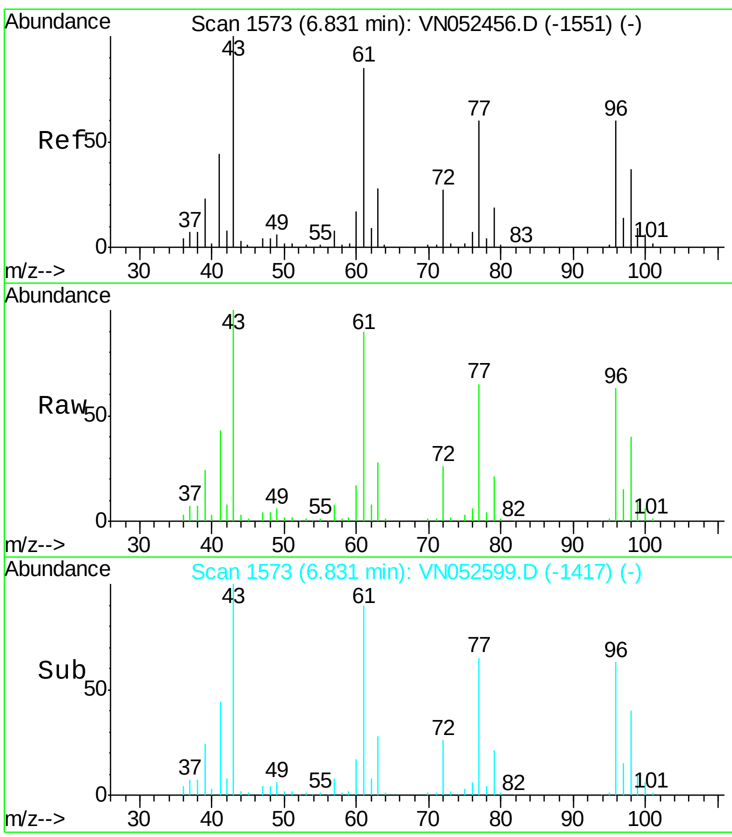
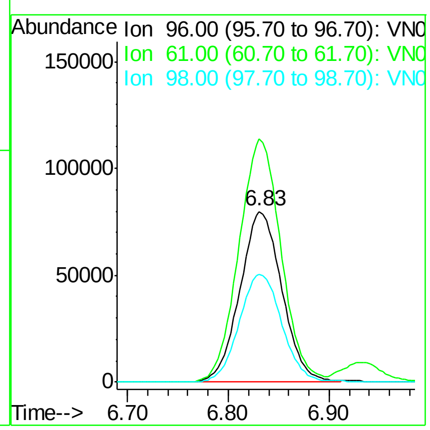


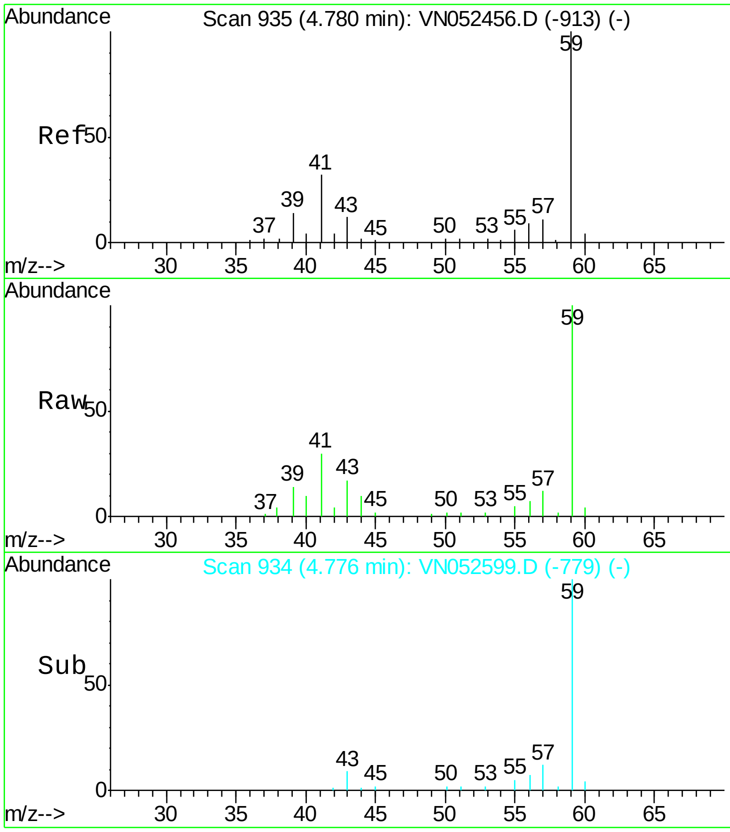


#22
cis-1,2-Dichloroethene
Concen: 19.814 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. 0.00 min
Lab File: VN052599.D
Acq: 30 Nov 2018 11:48

Tgt Ion: 96 Resp: 231231

Ion	Ratio	Lower	Upper
96	100		
61	143.0	116.7	175.1
98	64.2	50.8	76.2






```
#23
tert-Butyl Alcohol
Concen:   50.889 ug/l
RT: 4.78 min  Scan# 934
Delta R.T.   -0.00 min
Lab File:   VN052599.D
Acq: 30 Nov 2018  11:48

Tgt Ion: 59 Resp:   25932
Ion  Ratio  Lower  Upper
 59  100
 52    0.4    0.0    0.0#
```

Instrument :
MSVOA_N
ClientSampleId :
VN1130WBSD01

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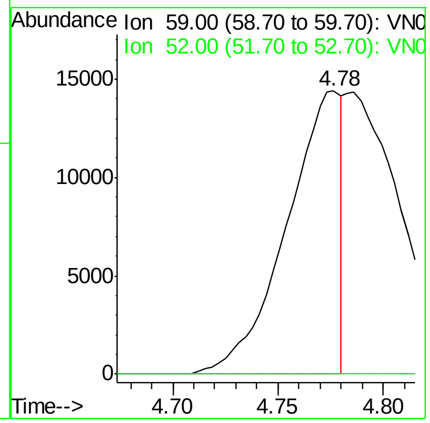
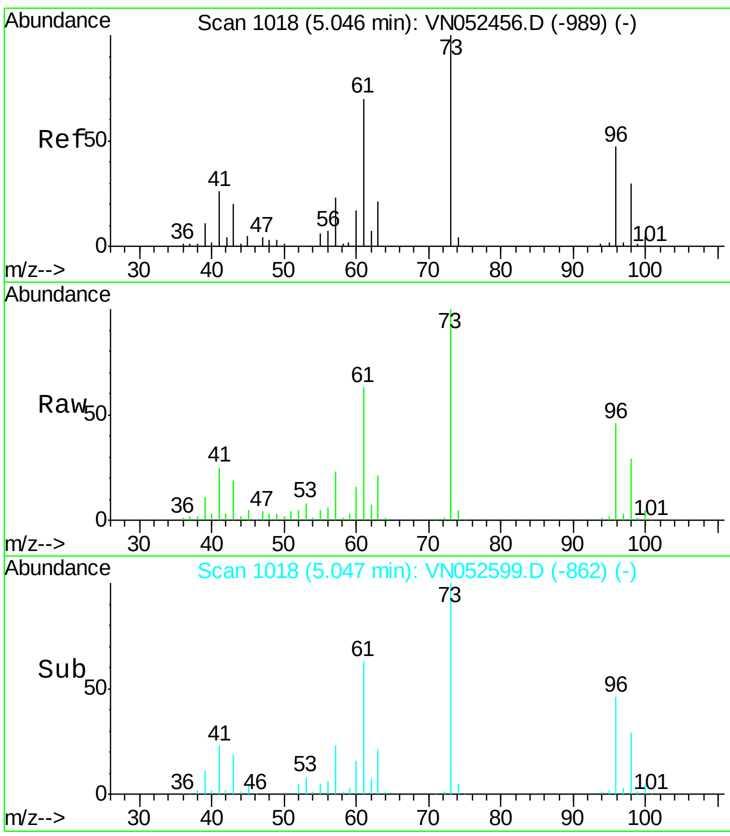
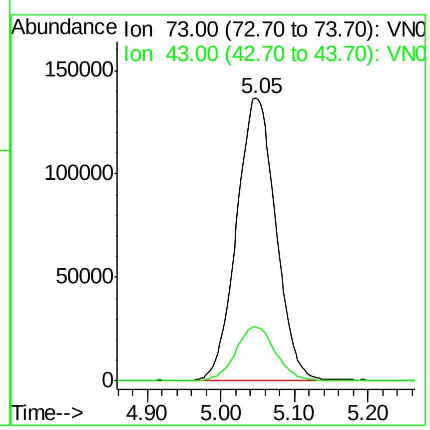
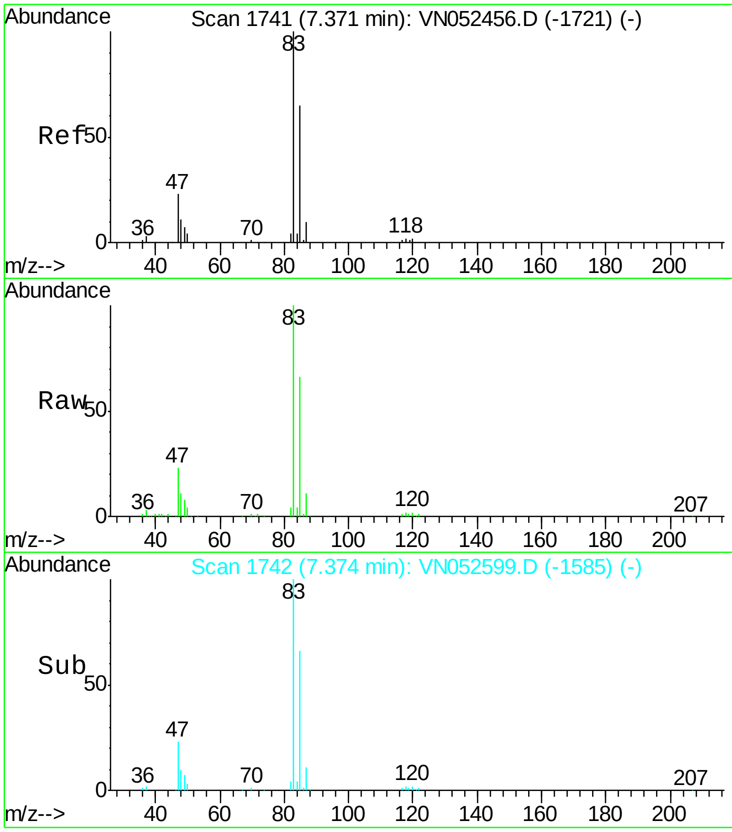





```
#24
Methyl tert-Butyl Ether
Concen:   20.504 ug/l
RT: 5.05 min  Scan# 1018
Delta R.T.    0.00 min
Lab File:   VN052599.D
Acq: 30 Nov 2018  11:48

Tgt Ion: 73 Resp:  508973
Ion  Ratio  Lower  Upper
 73  100
 43   19.0   15.8   23.8
```





#25
Chloroform
Concen: 19.748 ug/l
RT: 7.37 min   Scan# 1742
Delta R.T.   0.00 min
Lab File: VN052599.D
Acq: 30 Nov 2018   11:48

Instrument :
MSVOA_N
ClientSampleId :
VN1130WBSD01

Tgt Ion: 83 Resp: 376551

Ion	Ratio	Lower	Upper
83	100		
85	66.0	51.7	77.5

Manual Integrations APPROVED
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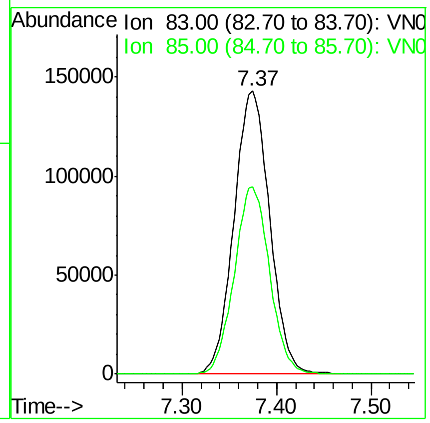
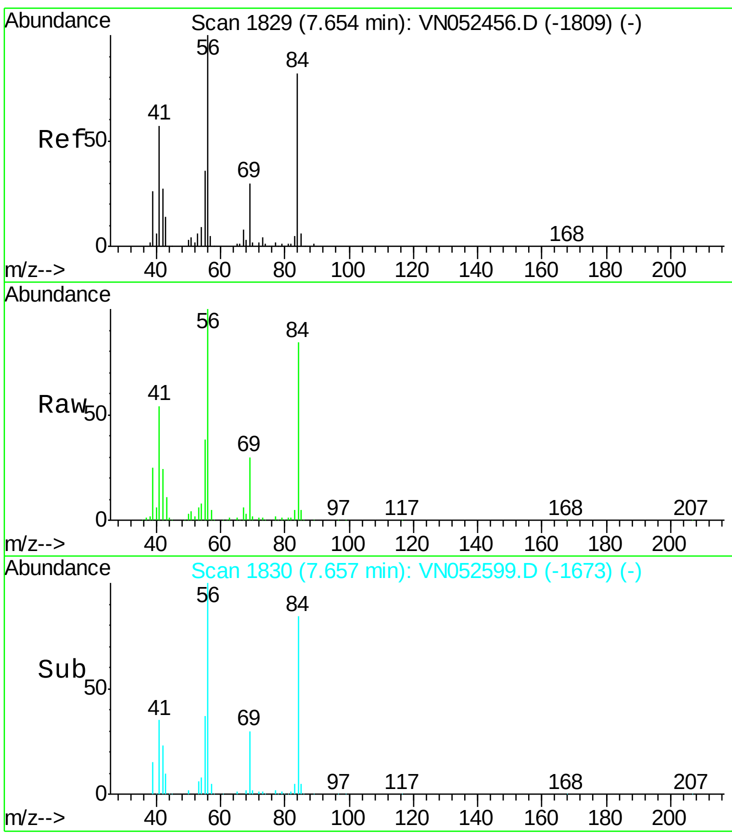
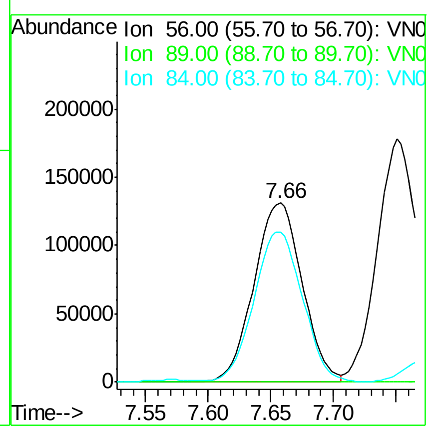


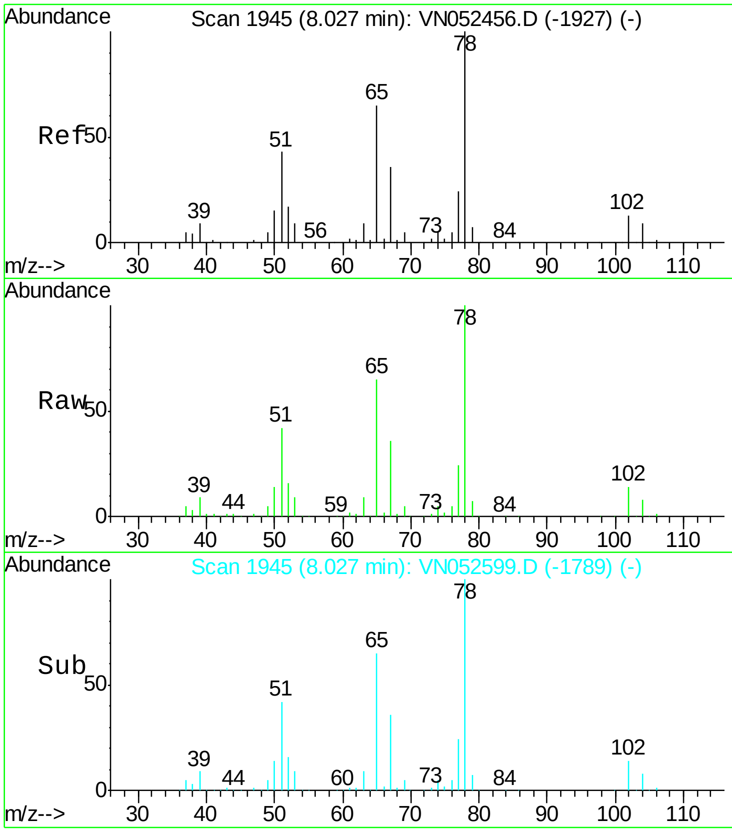


#26
Cyclohexane
Concen: 18.913 ug/l
RT: 7.66 min   Scan# 1830
Delta R.T.   0.00 min
Lab File: VN052599.D
Acq: 30 Nov 2018   11:48

Tgt Ion: 56 Resp: 352570

Ion	Ratio	Lower	Upper
56	100		
89	0.2	0.5	0.7#
84	84.2	66.2	99.2





#27
1,2-Dichloroethane-d4
Concen: 18.913 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN052599.D
Acq: 30 Nov 2018 11:48

Instrument :
MSVOA_N
ClientSampleId :
VN1130WBSD01

Tgt Ion: 65 Resp: 337025

Ion	Ratio	Lower	Upper
65	100		
67	54.9	44.6	66.8

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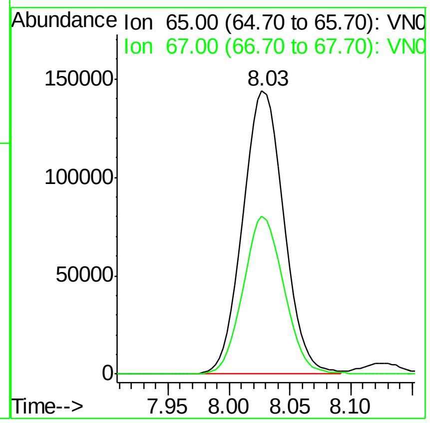
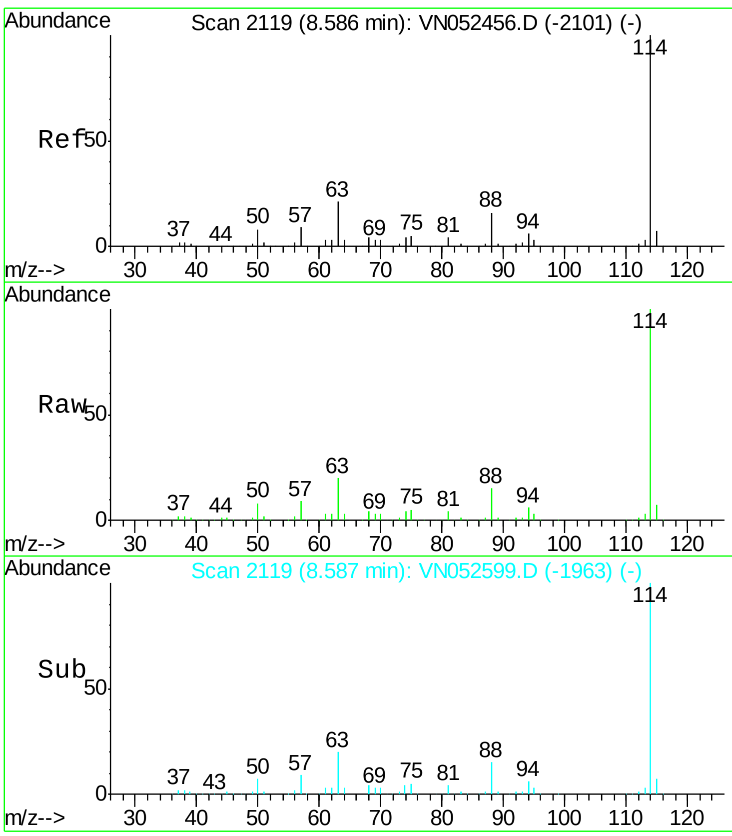
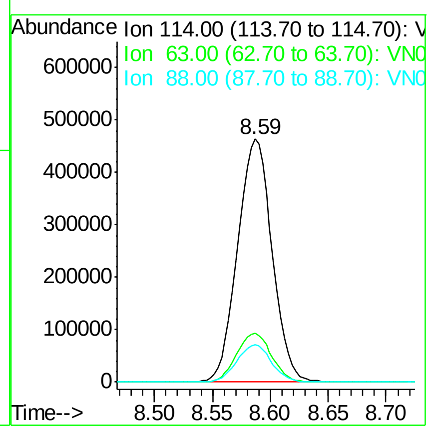


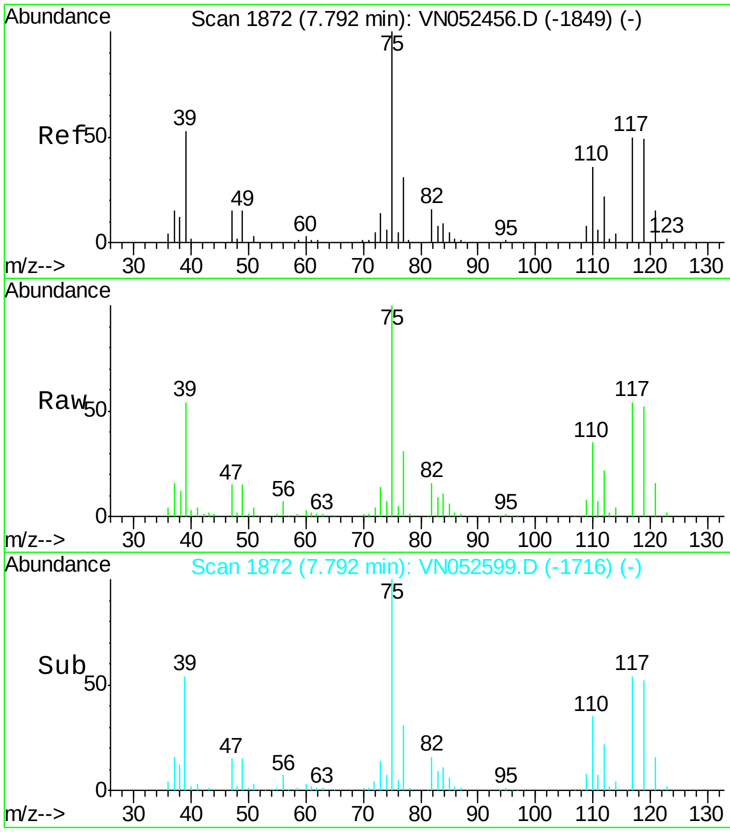


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. 0.00 min
Lab File: VN052599.D
Acq: 30 Nov 2018 11:48

Tgt Ion:114 Resp: 961051

Ion	Ratio	Lower	Upper
114	100		
63	20.4	16.9	25.3
88	15.3	12.8	19.2





#29
1,1-Dichloropropene
Concen: 19.672 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. 0.00 min
Lab File: VN052599.D
Acq: 30 Nov 2018 11:48

Instrument :
MSVOA_N
ClientSampleId :
VN1130WBSD01

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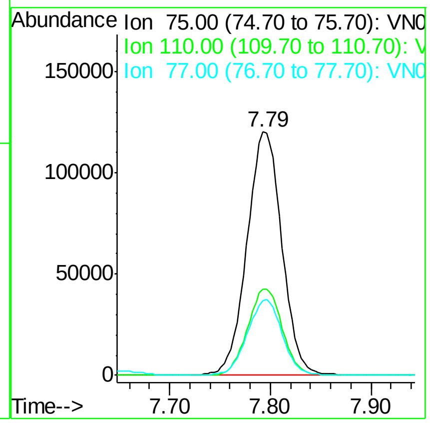
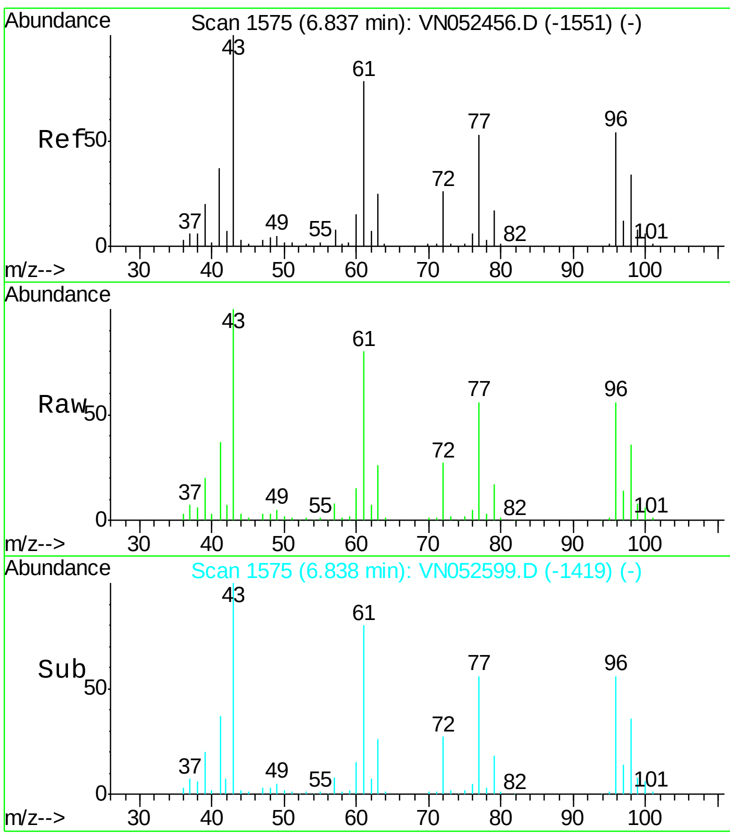
Tgt Ion: 75 Resp: 288713

Ion	Ratio	Lower	Upper
75	100		
110	35.2	0.0	70.2
77	31.1	0.0	62.6

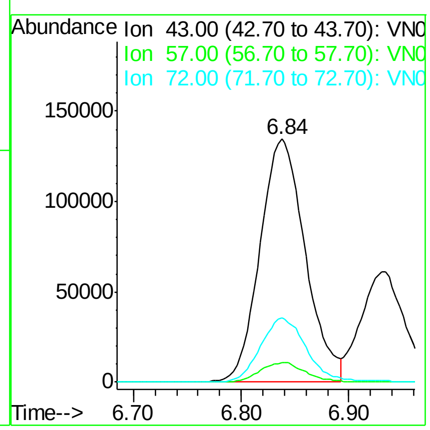


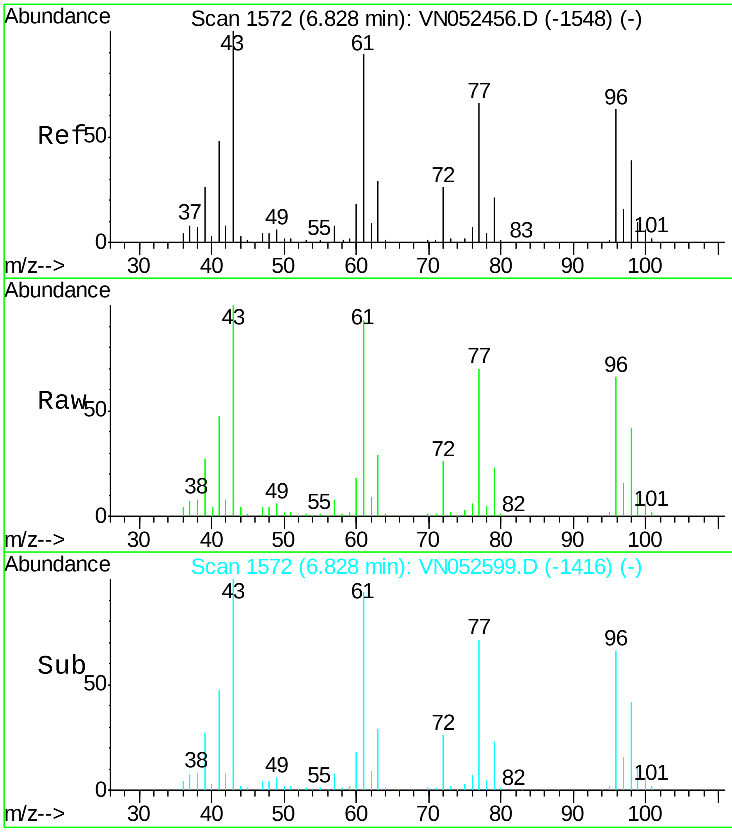


#30
2-Butanone
Concen: 99.605 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VN052599.D
Acq: 30 Nov 2018 11:48

Tgt Ion: 43 Resp: 391161

Ion	Ratio	Lower	Upper
43	100		
57	8.1	6.2	9.4
72	26.7	21.0	31.6





#31
2,2-Dichloropropane
Concen: 19.675 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN052599.D
Acq: 30 Nov 2018 11:48

Instrument :
MSVOA_N
ClientSampleId :
VN1130WBSD01

Tgt Ion: 77 Resp: 265840

Ion	Ratio	Lower	Upper
77	100		
97	13.7	18.7	28.1#

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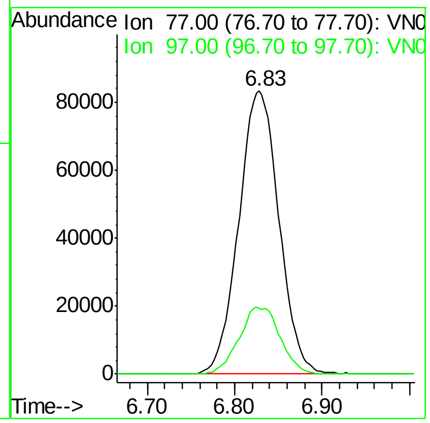
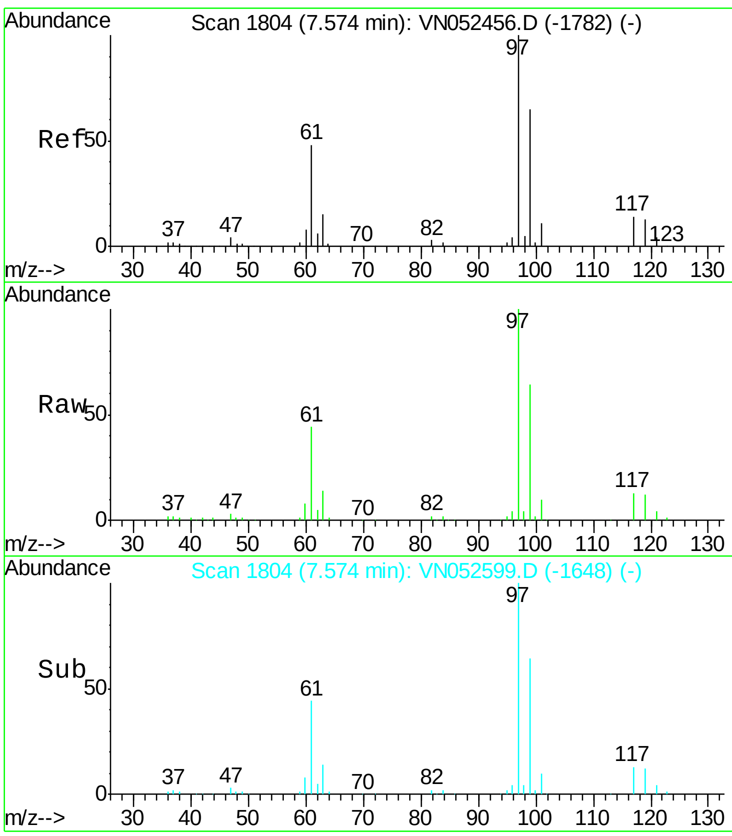
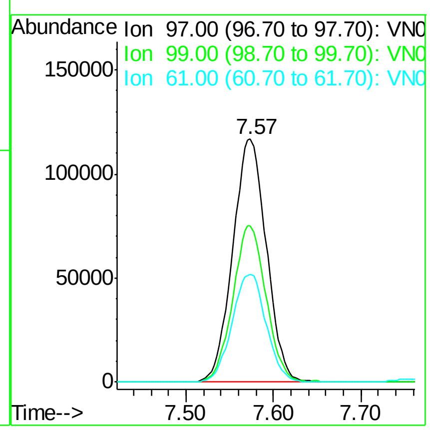


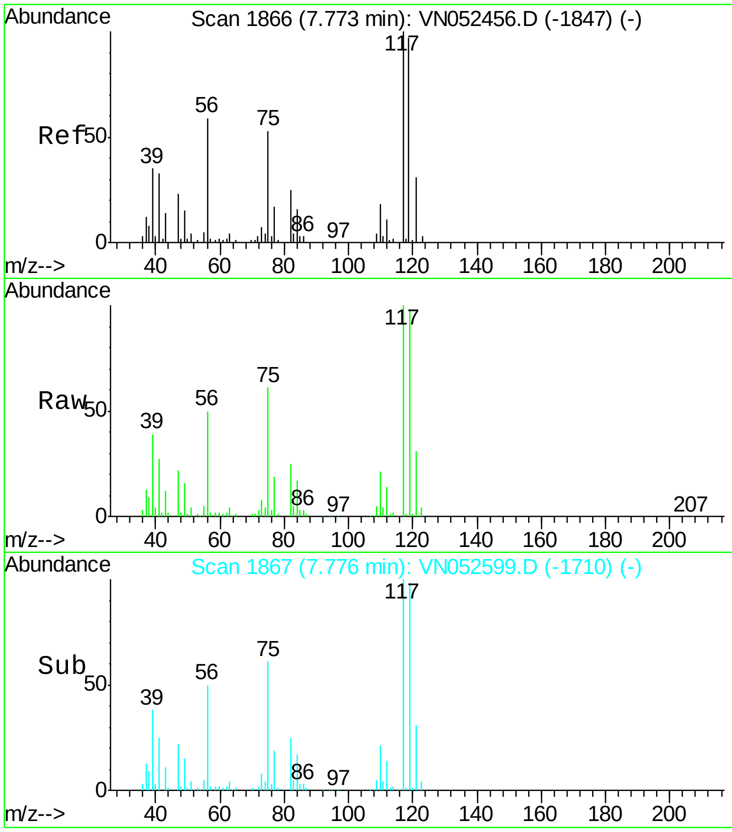


#32
1,1,1-Trichloroethane
Concen: 20.476 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN052599.D
Acq: 30 Nov 2018 11:48

Tgt Ion: 97 Resp: 312695

Ion	Ratio	Lower	Upper
97	100		
99	63.4	50.9	76.3
61	44.9	38.1	57.1





#33
Carbon Tetrachloride
Concen: 19.982 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN052599.D
Acq: 30 Nov 2018 11:48

Tgt Ion:117 Resp: 267002

Ion	Ratio	Lower	Upper
117	100		
119	97.6	77.3	115.9
121	30.8	24.9	37.3

Instrument : MSVOA_N
ClientSampleId : VN1130WBSD01

Manual Integrations APPROVED
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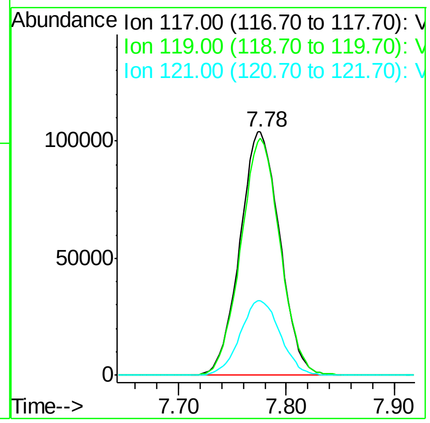
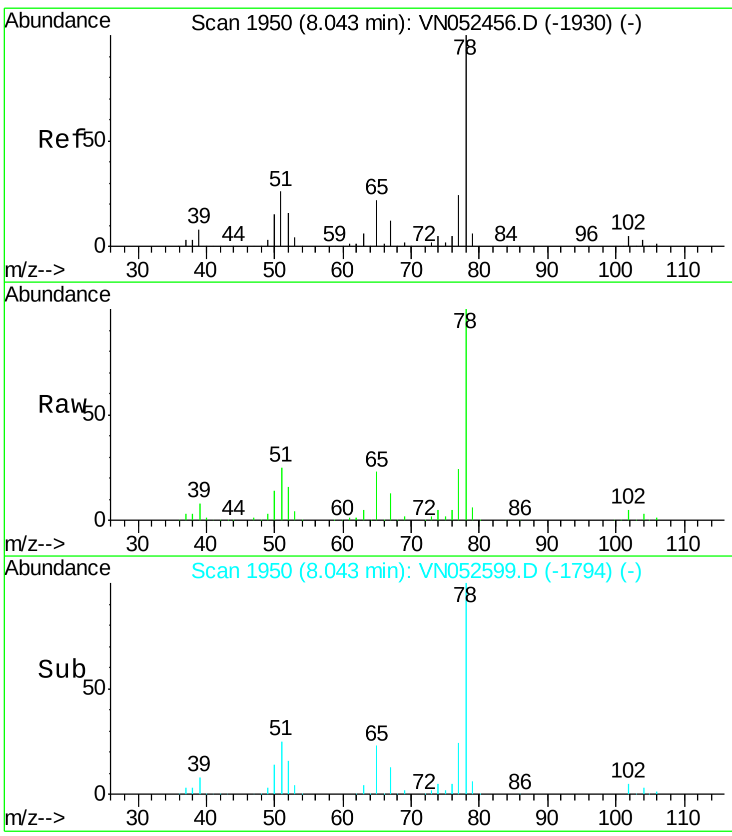
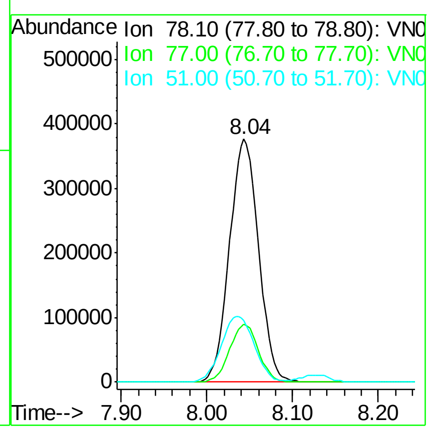


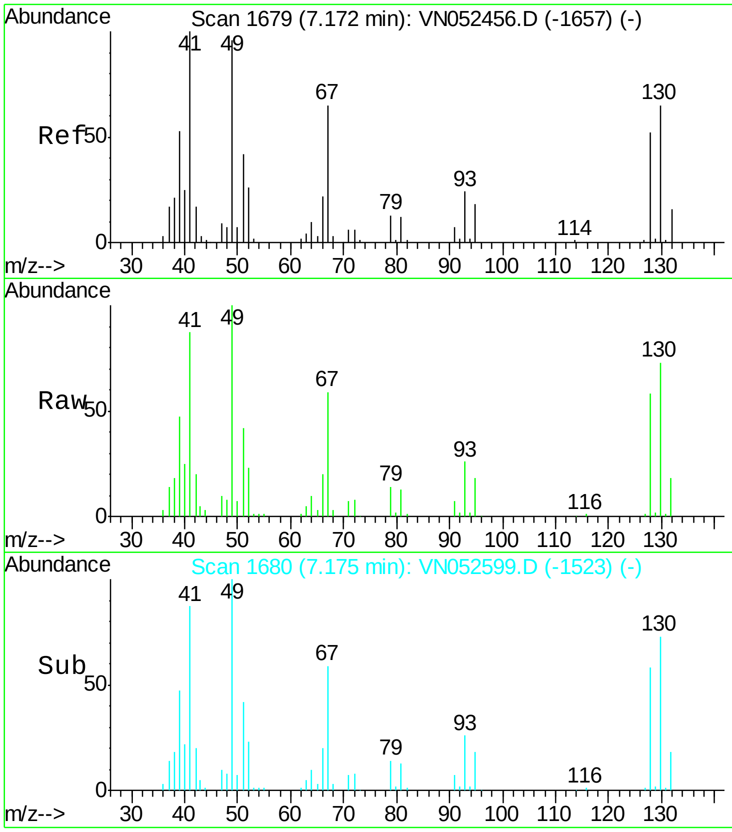


#34
Benzene
Concen: 20.083 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052599.D
Acq: 30 Nov 2018 11:48

Tgt Ion: 78 Resp: 886177

Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.0	28.6
51	25.1	20.5	30.7

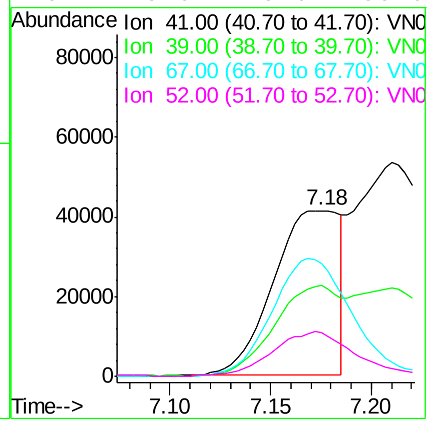




#35
Methacrylonitrile
Concen: 19.327 ug/l
RT: 7.18 min   Scan# 1680
Delta R.T.   0.00 min
Lab File: VN052599.D
Acq: 30 Nov 2018   11:48

Tgt Ion: 41 Resp: 94170

Ion	Ratio	Lower	Upper
41	100		
39	54.7	26.6	79.7
67	68.2	32.3	96.9
52	25.9	13.0	38.9



Instrument :
MSVOA_N
ClientSampleId :
VN1130WBSD01

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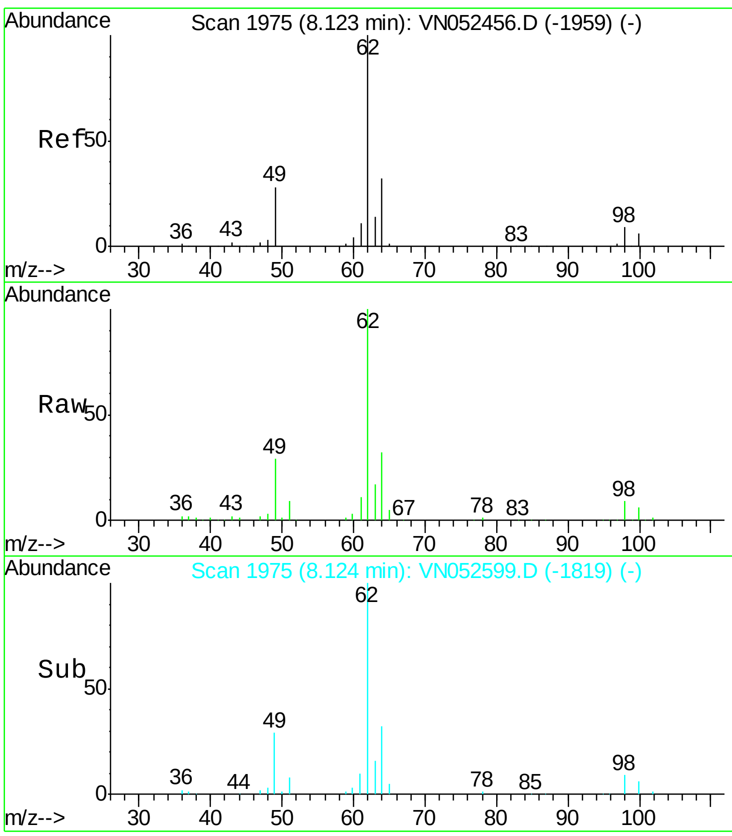
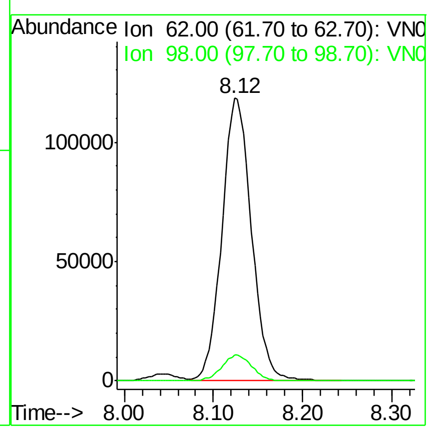
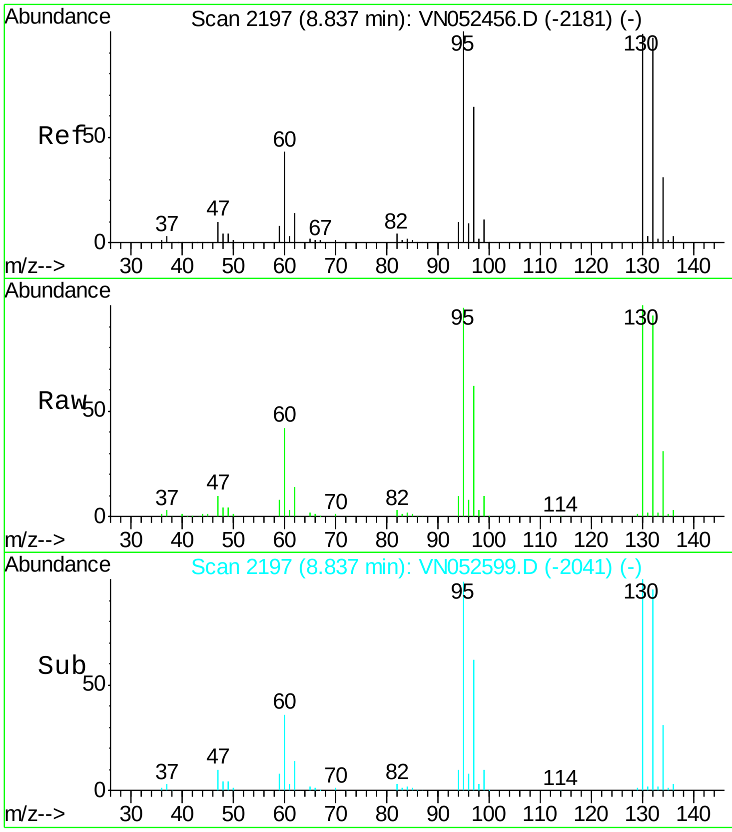


#36
1,2-Dichloroethane
Concen: 20.357 ug/l
RT: 8.12 min   Scan# 1975
Delta R.T.   0.00 min
Lab File: VN052599.D
Acq: 30 Nov 2018   11:48

Tgt Ion: 62 Resp: 272199

Ion	Ratio	Lower	Upper
62	100		
98	9.4	7.4	11.2





#37
Trichloroethene
Concen: 20.068 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VN052599.D
Acq: 30 Nov 2018 11:48

Tgt Ion:130 Resp: 224537

Ion	Ratio	Lower	Upper
130	100		
95	99.3	81.0	121.4

Instrument :
MSVOA_N
ClientSampleId :
VN1130WBSD01

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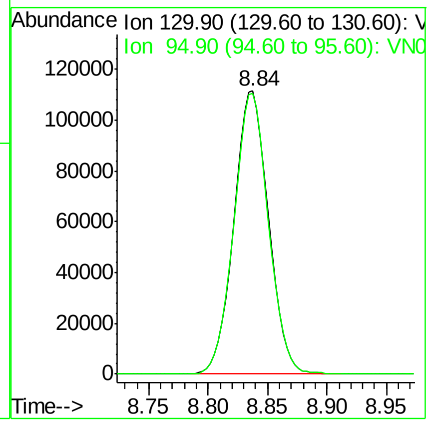
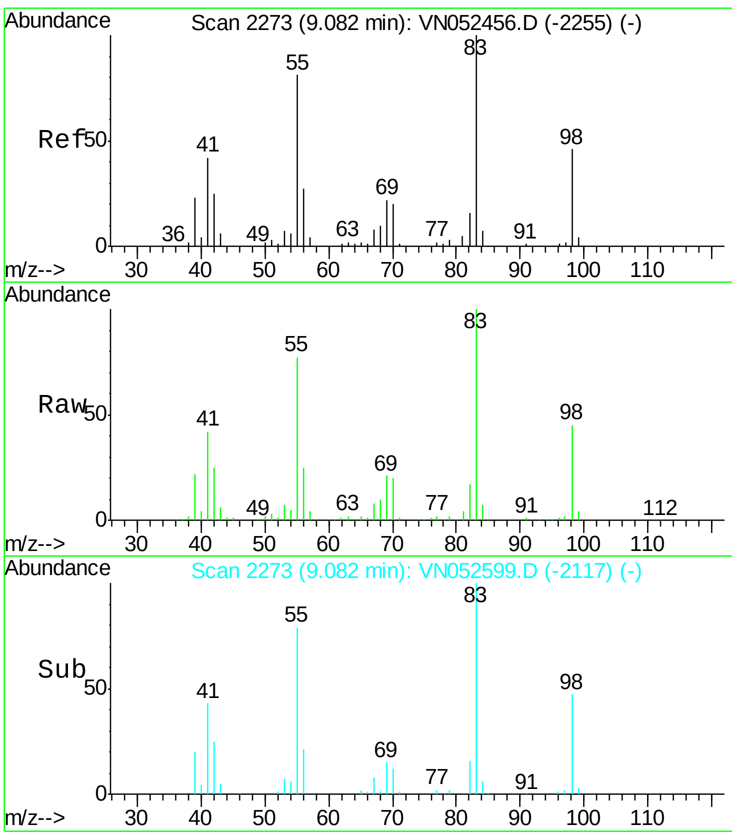
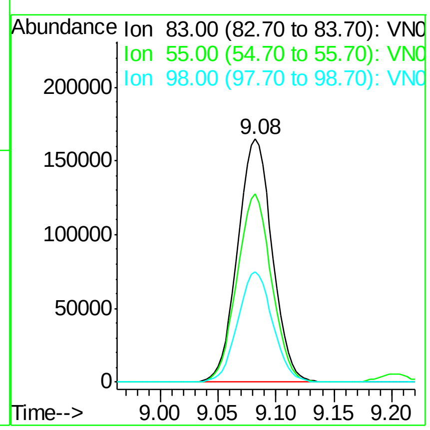


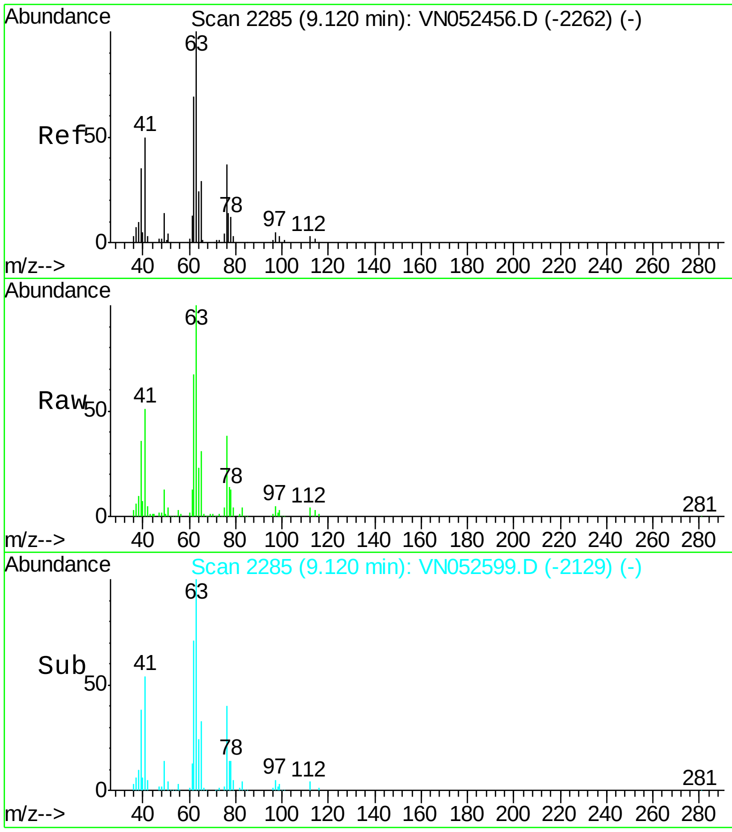


#38
Methylcyclohexane
Concen: 18.899 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN052599.D
Acq: 30 Nov 2018 11:48

Tgt Ion: 83 Resp: 343359

Ion	Ratio	Lower	Upper
83	100		
55	77.2	39.8	119.4
98	45.7	22.9	68.5





#39
1,2-Dichloropropane
Concen: 19.923 ug/l
RT: 9.12 min Scan# 2285
Delta R.T. 0.00 min
Lab File: VN052599.D
Acq: 30 Nov 2018 11:48

Tgt Ion: 63 Resp: 235651

Ion	Ratio	Lower	Upper
63	100		
65	31.0	23.6	35.4

Instrument :
MSVOA_N
ClientSampleId :
VN1130WBSD01

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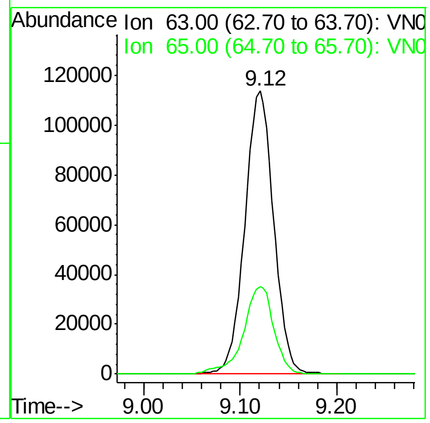
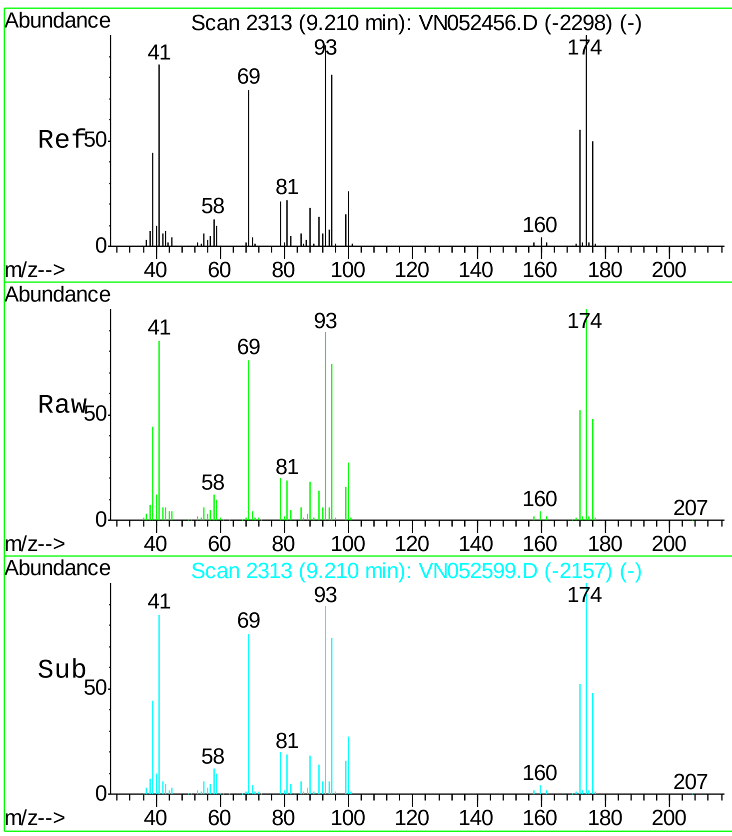
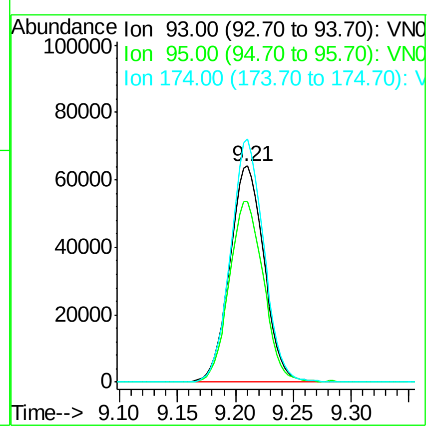


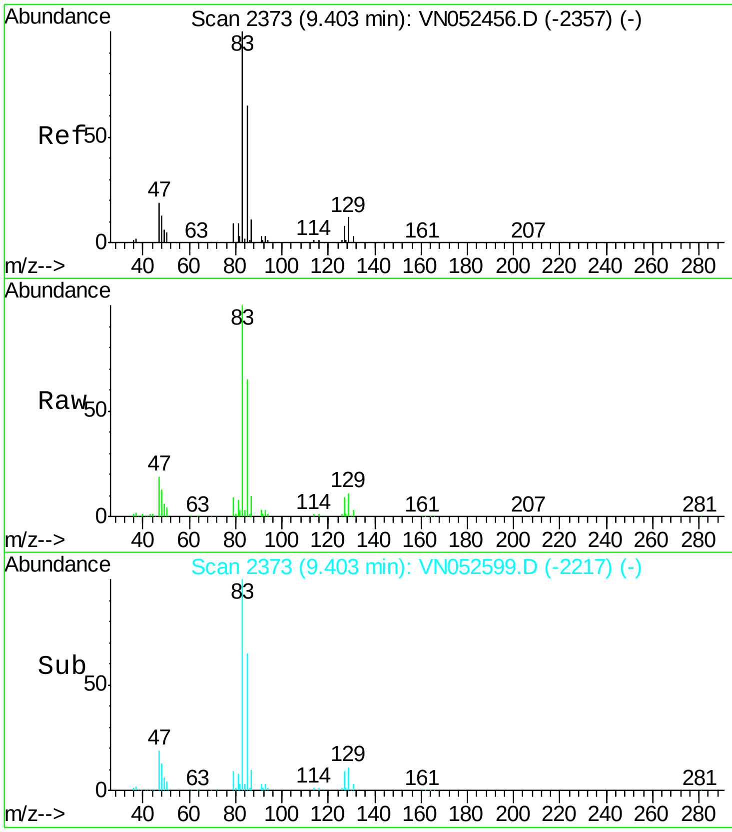


#40
Dibromomethane
Concen: 20.681 ug/l
RT: 9.21 min Scan# 2313
Delta R.T. 0.00 min
Lab File: VN052599.D
Acq: 30 Nov 2018 11:48

Tgt Ion: 93 Resp: 132185

Ion	Ratio	Lower	Upper
93	100		
95	82.9	0.0	168.4
174	108.1	0.0	210.0





#41
Bromodichloromethane
Concen: 19.593 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN052599.D
Acq: 30 Nov 2018 11:48

Instrument :
MSVOA_N
ClientSampleId :
VN1130WBSD01

Tgt Ion:	83	Resp:	276684
Ion	Ratio	Lower	Upper
83	100		
85	65.3	52.4	78.6
127	8.7	6.6	9.8

Manual Integrations APPROVED
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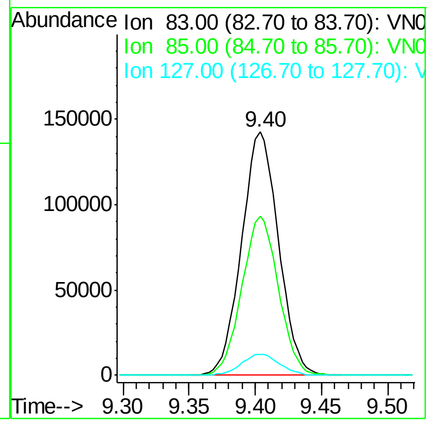
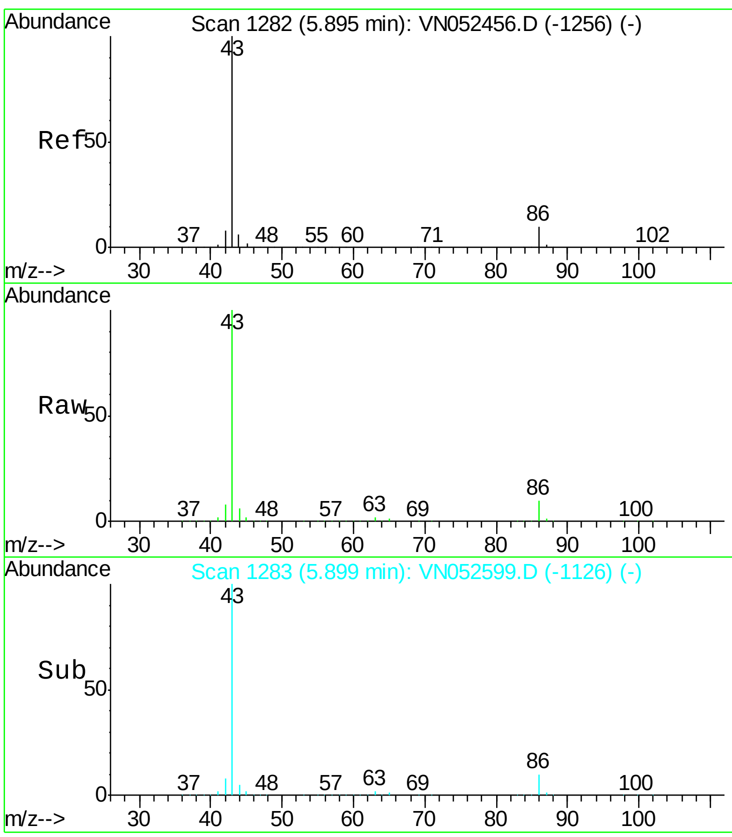
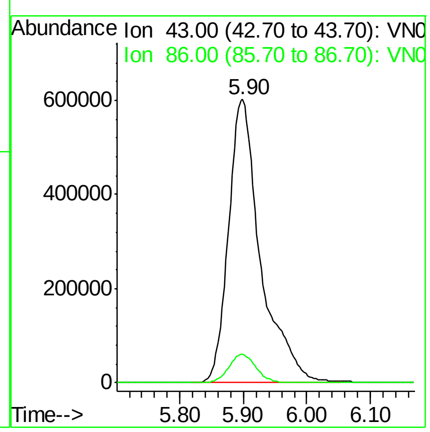
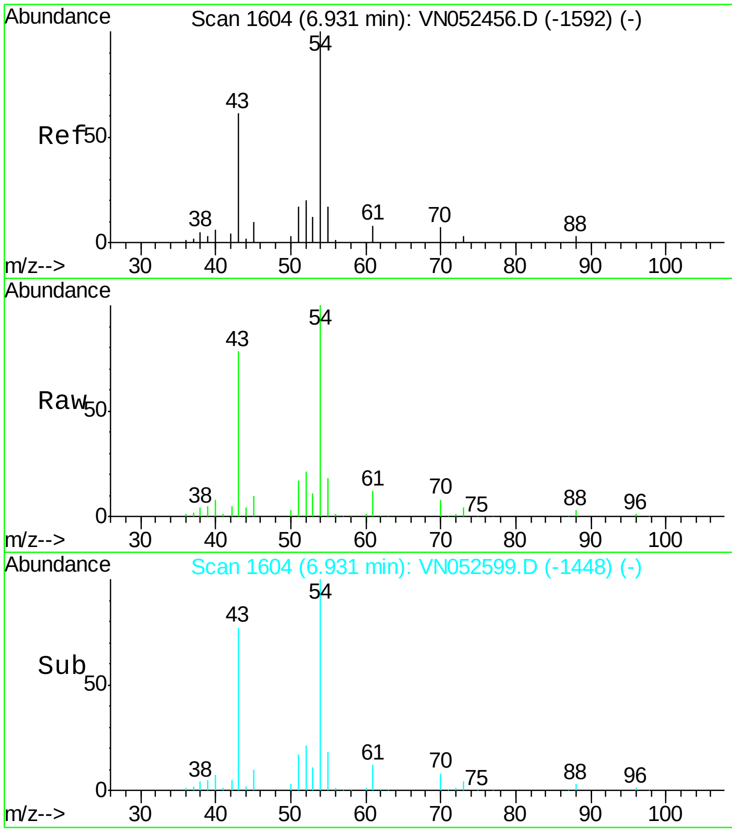




#42
Vinyl Acetate
Concen: 99.479 ug/l
RT: 5.90 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VN052599.D
Acq: 30 Nov 2018 11:48

Tgt Ion:	43	Resp:	2113753
Ion	Ratio	Lower	Upper
43	100		
86	8.7	6.5	9.7





#43
Ethyl Acetate
Concen: 21.093 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN052599.D
Acq: 30 Nov 2018 11:48

Tgt Ion: 43 Resp: 176143

Ion	Ratio	Lower	Upper
43	100		
45	12.4	1.0	1.6#

Instrument :
MSVOA_N
ClientSampleId :
VN1130WBSD01

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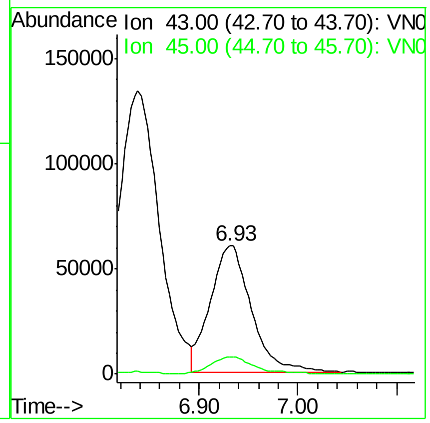
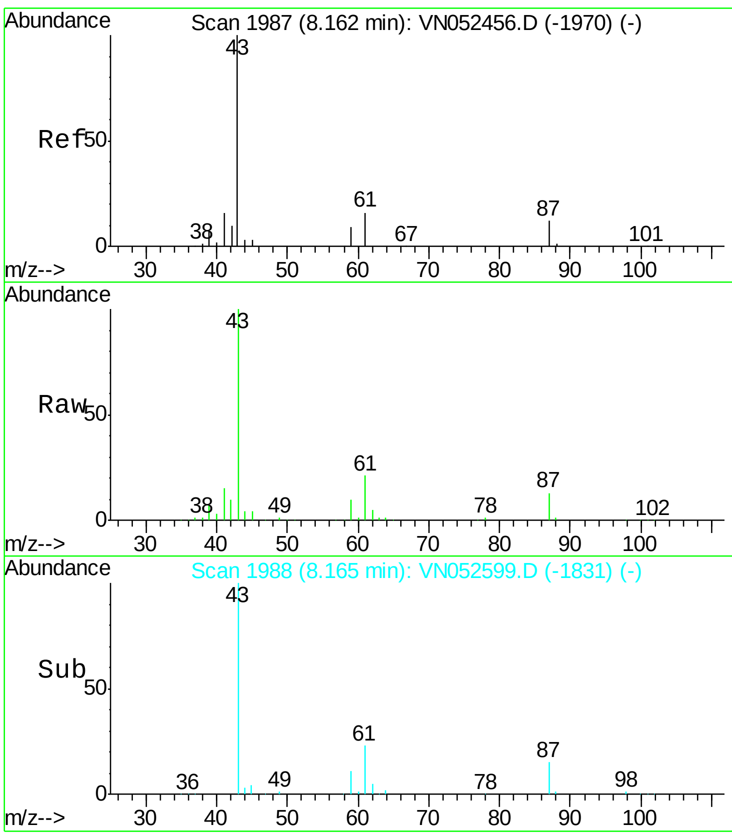
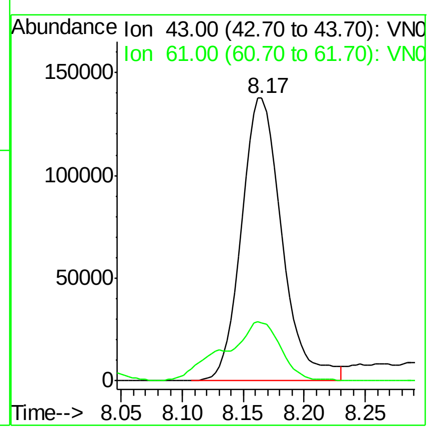


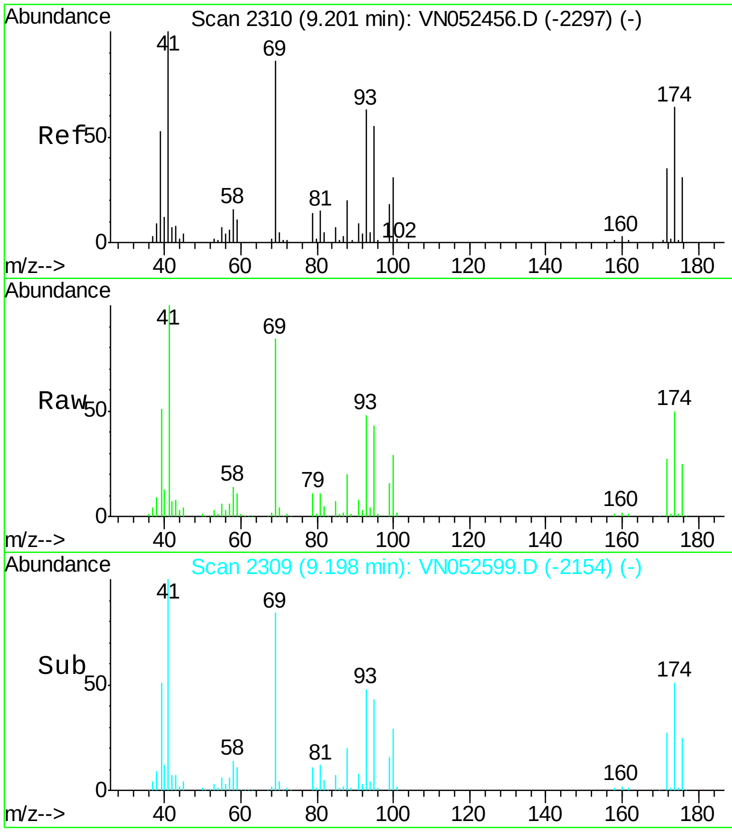


#44
Isopropyl Acetate
Concen: 21.558 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN052599.D
Acq: 30 Nov 2018 11:48

Tgt Ion: 43 Resp: 315725

Ion	Ratio	Lower	Upper
43	100		
61	18.0	16.0	24.0





#45
1,4-Dioxane
Concen: 437.846 ug/l
RT: 9.20 min   Scan# 2309
Delta R.T.   -0.00 min
Lab File: VN052599.D
Acq: 30 Nov 2018   11:48

Tgt Ion: 88 Resp: 35080

Ion	Ratio	Lower	Upper
88	100		
43	32.6	29.5	44.3
58	71.8	61.5	92.3

Instrument :
MSVOA_N
ClientSampleId :
VN1130WBSD01

Manual Integrations APPROVED
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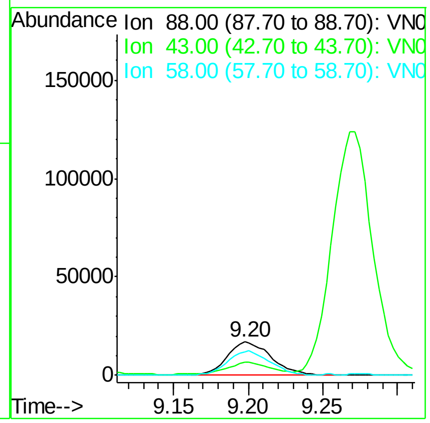
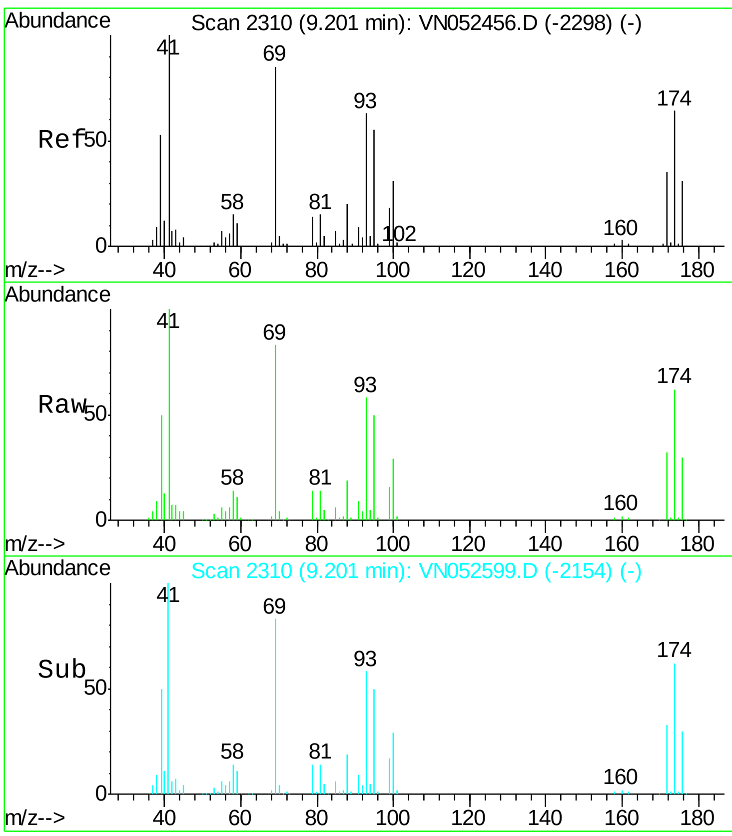
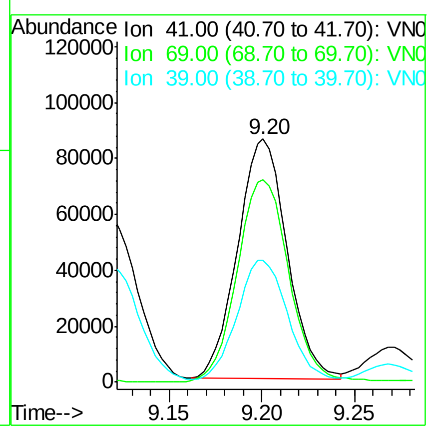


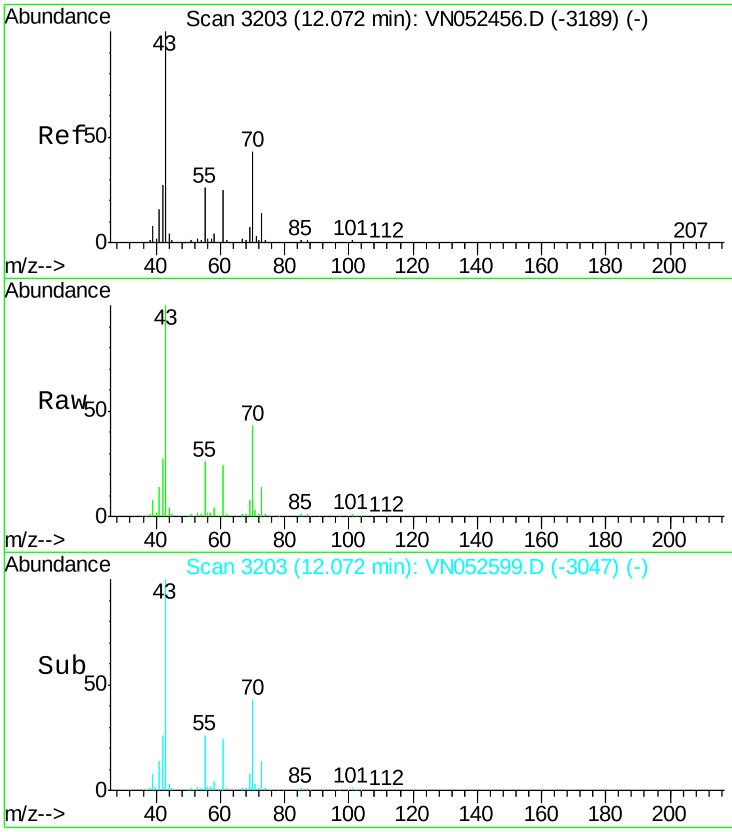


#46
Methyl methacrylate
Concen: 20.965 ug/l
RT: 9.20 min   Scan# 2310
Delta R.T.   0.00 min
Lab File: VN052599.D
Acq: 30 Nov 2018   11:48

Tgt Ion: 41 Resp: 159423

Ion	Ratio	Lower	Upper
41	100		
69	84.1	42.5	127.6
39	50.0	26.3	78.9





#47
n-amyl Acetate
Concen: 19.648 ug/l
RT: 12.07 min   Scan# 3203
Delta R.T.   0.00 min
Lab File: VN052599.D
Acq: 30 Nov 2018   11:48

Instrument :
MSVOA_N
ClientSampleId :
VN1130WBSD01

Tgt Ion: 43	Resp:	238580	
Ion	Ratio	Lower	Upper
43	100		
55	26.1	21.1	31.7

Manual Integrations APPROVED
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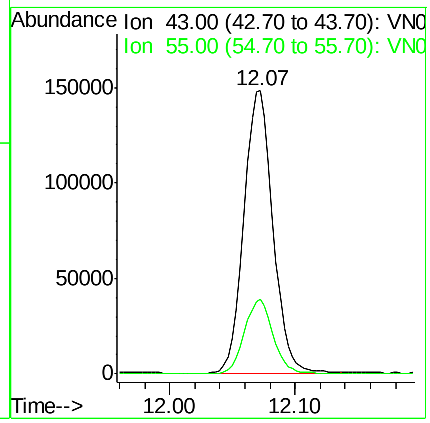
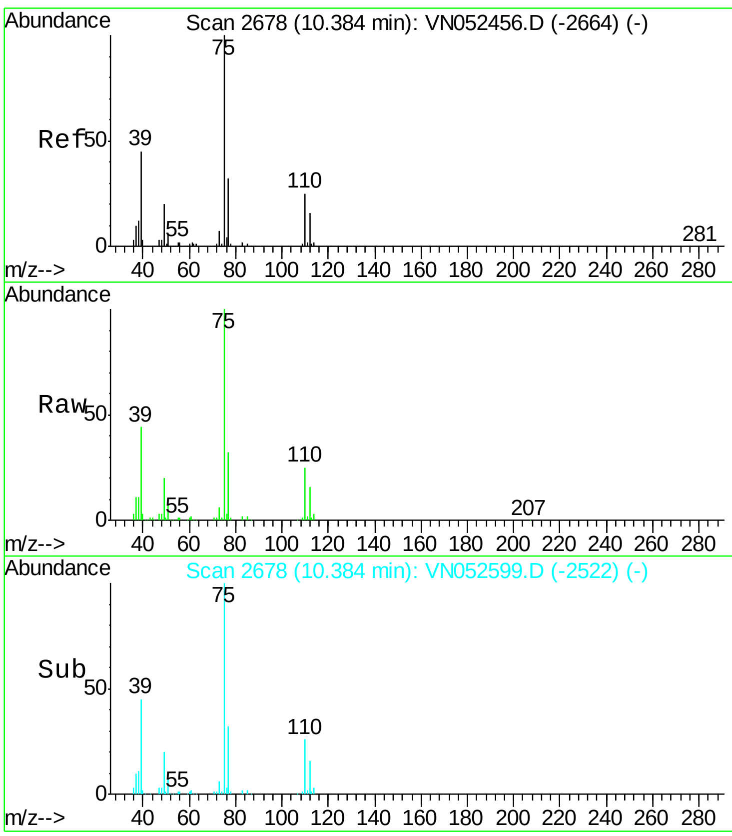
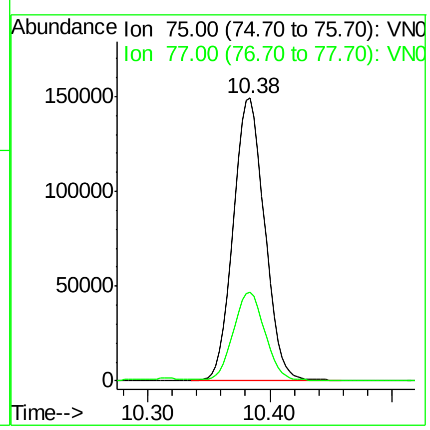
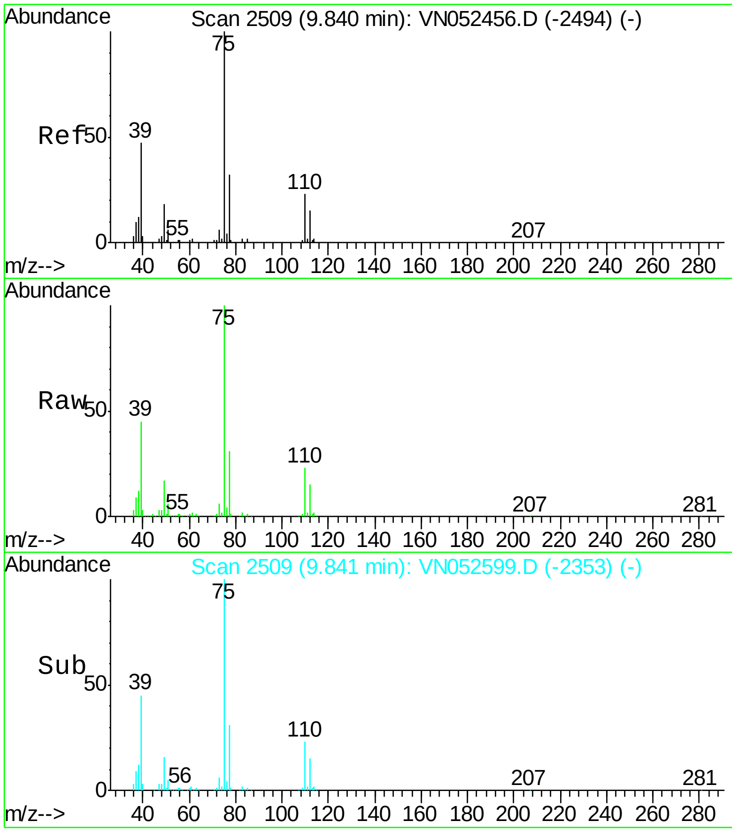




#48
t-1,3-Dichloropropene
Concen: 19.597 ug/l
RT: 10.38 min   Scan# 2678
Delta R.T.   0.00 min
Lab File: VN052599.D
Acq: 30 Nov 2018   11:48

Tgt Ion: 75	Resp:	268332	
Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.6	38.4





#49
cis-1,3-Dichloropropene
Concen: 19.638 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN052599.D
Acq: 30 Nov 2018 11:48

Instrument : MSVOA_N
ClientSampleId : VN1130WBSD01

Tgt Ion: 75 Resp: 327611

Ion	Ratio	Lower	Upper
75	100		
77	30.6	25.4	38.0
39	44.7	37.3	55.9

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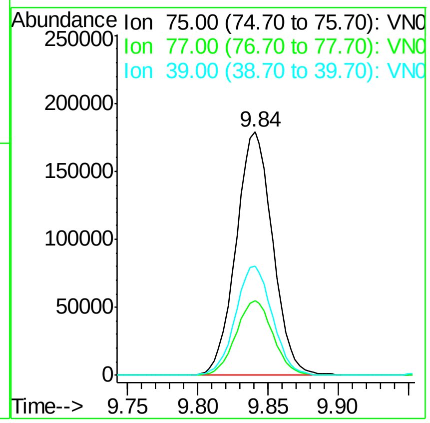
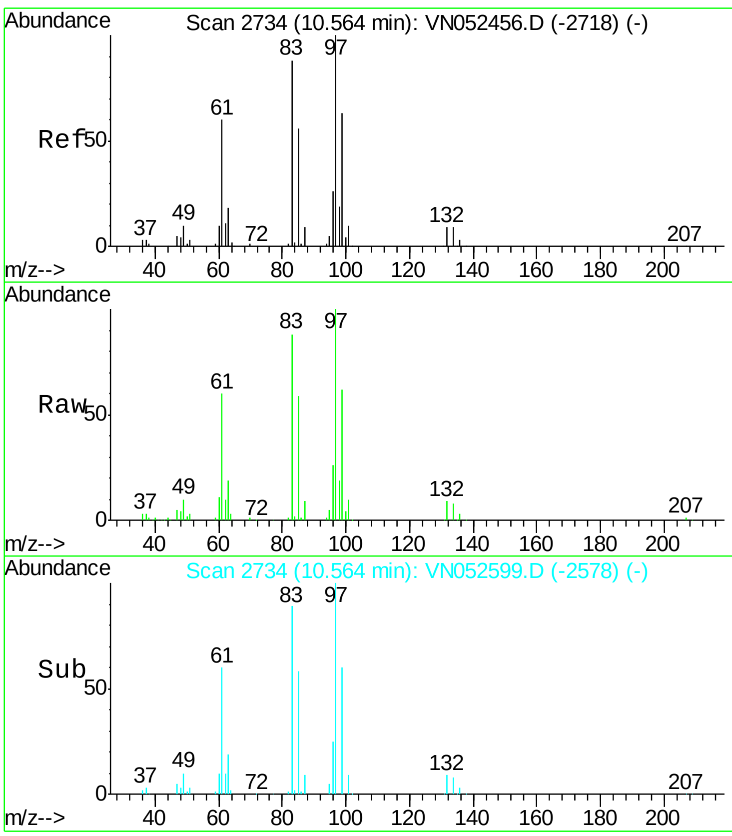
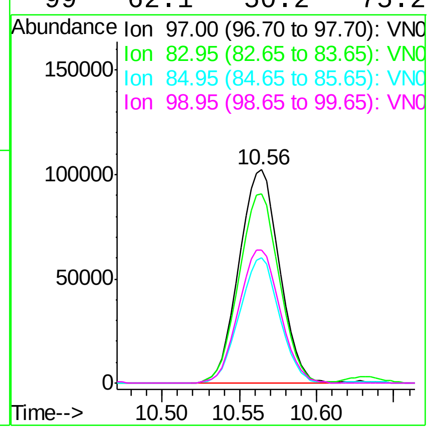


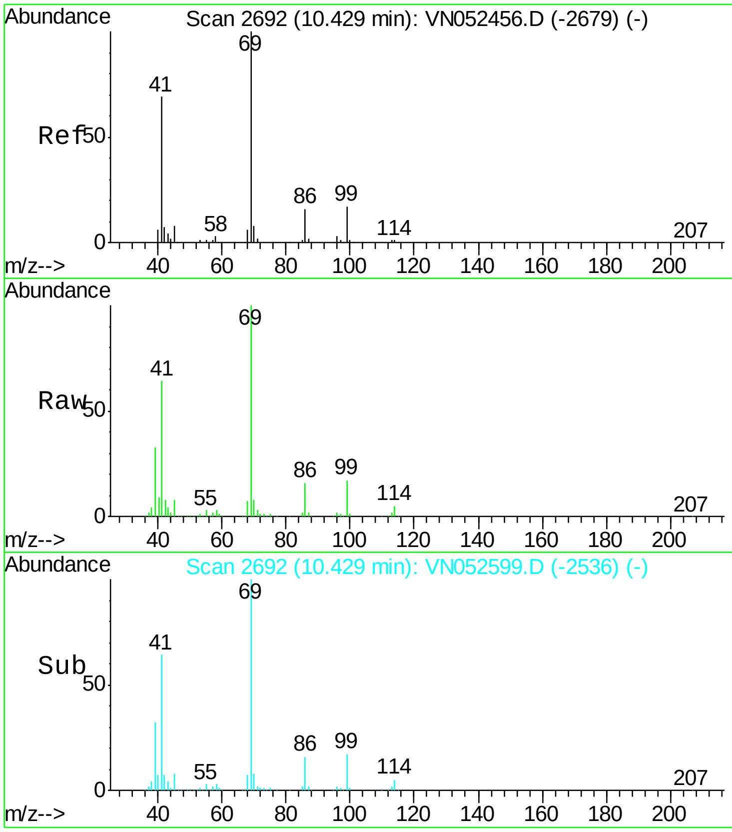


#50
1,1,2-Trichloroethane
Concen: 20.568 ug/l
RT: 10.56 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VN052599.D
Acq: 30 Nov 2018 11:48

Tgt Ion: 97 Resp: 186348

Ion	Ratio	Lower	Upper
97	100		
83	88.4	70.4	105.6
85	58.7	45.0	67.6
99	62.1	50.2	75.2





#51
Ethyl methacrylate
Concen: 20.662 ug/l
RT: 10.43 min Scan# 2692
Delta R.T. 0.00 min
Lab File: VN052599.D
Acq: 30 Nov 2018 11:48

Tgt Ion: 69 Resp: 235120

Ion	Ratio	Lower	Upper
69	100		
41	64.1	34.4	103.3
39	32.4	16.4	49.2

Instrument :
MSVOA_N
ClientSampleId :
VN1130WBSD01

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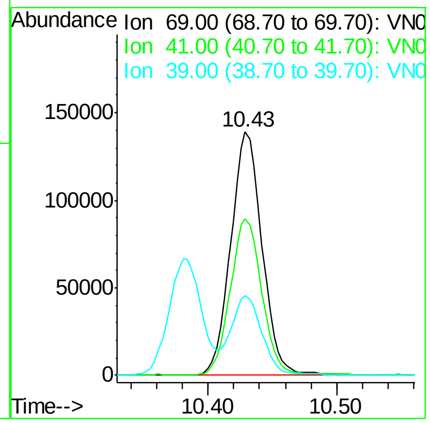
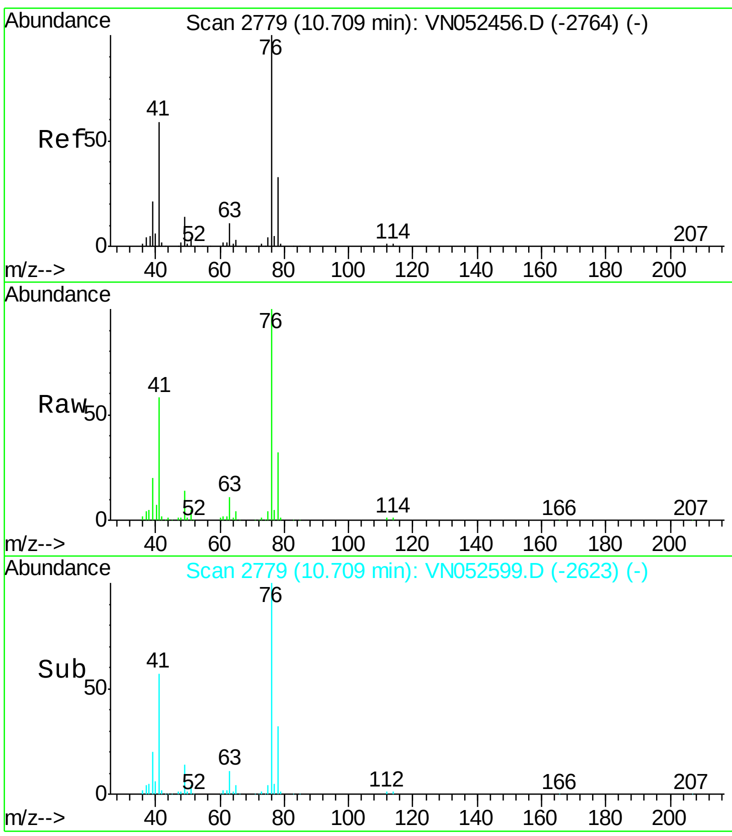
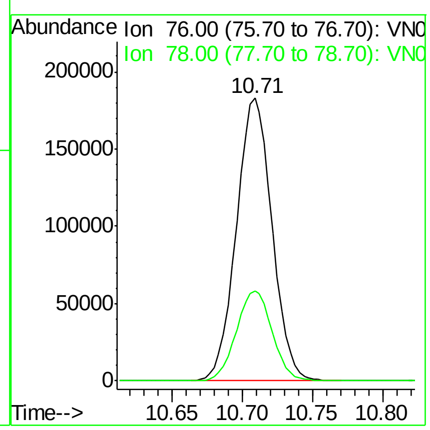


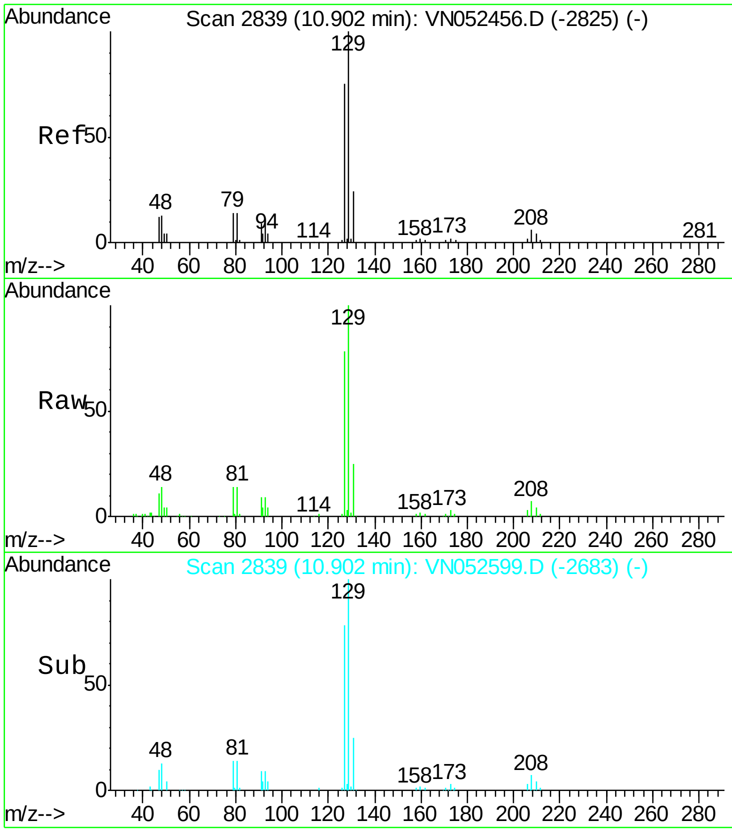


#52
1,3-Dichloropropane
Concen: 20.111 ug/l
RT: 10.71 min Scan# 2779
Delta R.T. 0.00 min
Lab File: VN052599.D
Acq: 30 Nov 2018 11:48

Tgt Ion: 76 Resp: 324328

Ion	Ratio	Lower	Upper
76	100		
78	32.2	0.0	64.8





#53
Dibromochloromethane
Concen: 20.316 ug/l
RT: 10.90 min   Scan# 2839
Delta R.T.   0.00 min
Lab File: VN052599.D
Acq: 30 Nov 2018   11:48

Tgt Ion:129 Resp: 202655

Ion	Ratio	Lower	Upper
129	100		
127	76.7	37.6	112.8

Instrument :
MSVOA_N
ClientSampleId :
VN1130WBSD01

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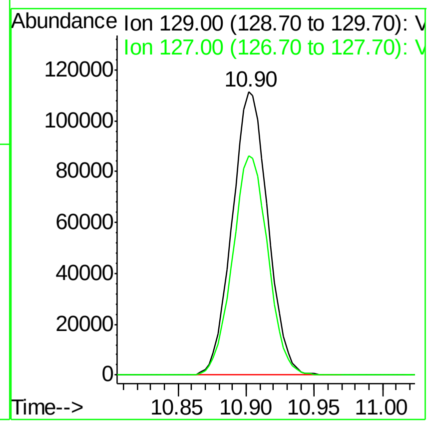
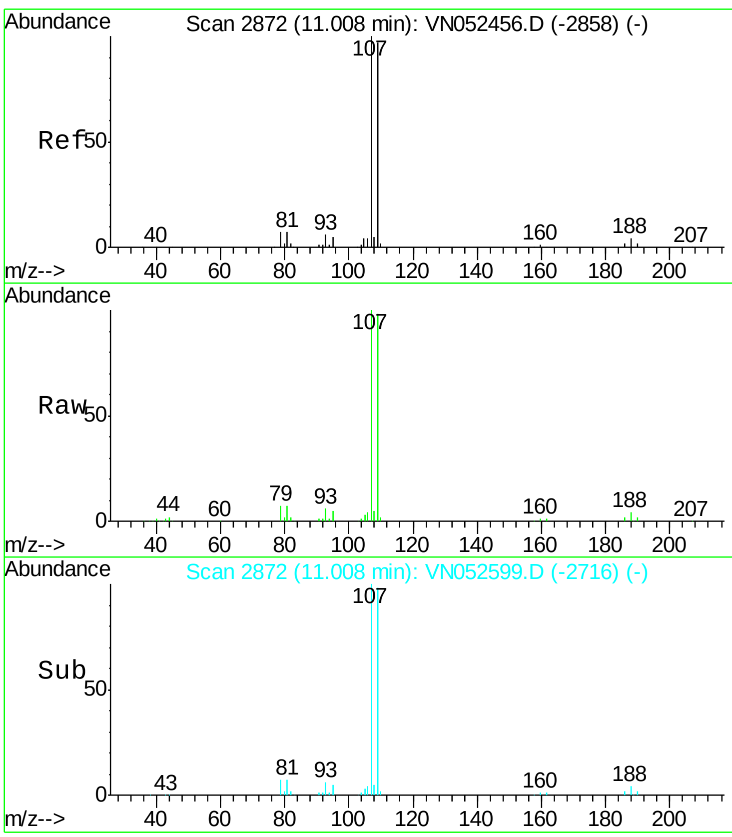
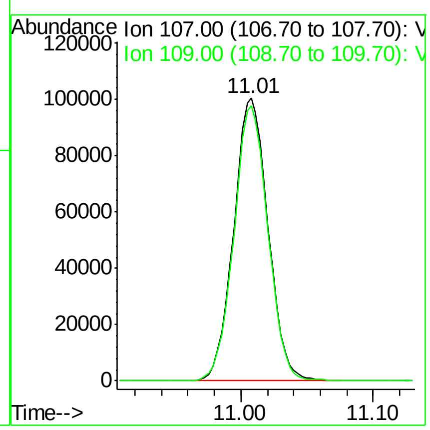


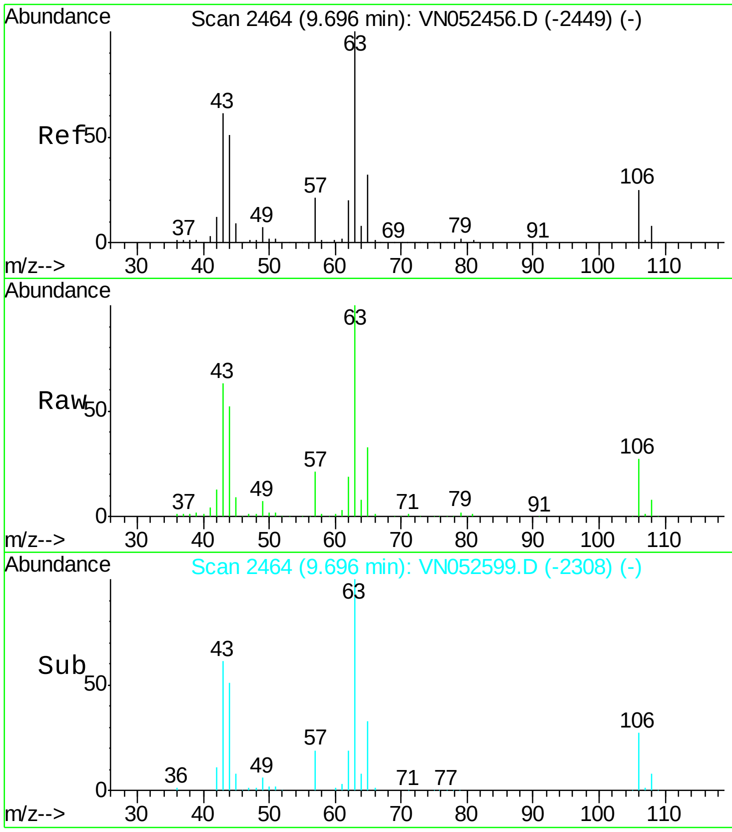


#54
1,2-Dibromoethane
Concen: 20.423 ug/l
RT: 11.01 min   Scan# 2872
Delta R.T.   0.00 min
Lab File: VN052599.D
Acq: 30 Nov 2018   11:48

Tgt Ion:107 Resp: 180816

Ion	Ratio	Lower	Upper
107	100		
109	96.5	77.1	115.7





#55
2-Chloroethyl vinyl ether
Concen: 98.149 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. 0.00 min
Lab File: VN052599.D
Acq: 30 Nov 2018 11:48

Instrument : MSVOA_N
ClientSampleId : VN1130WBSD01

Manual Integrations APPROVED
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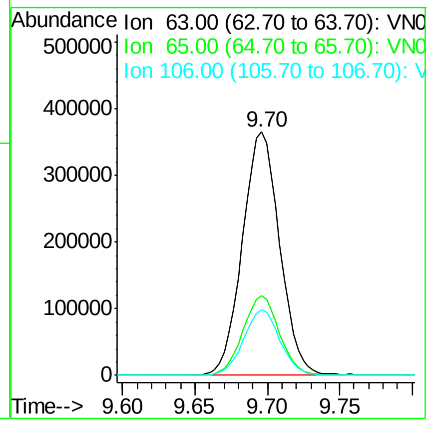
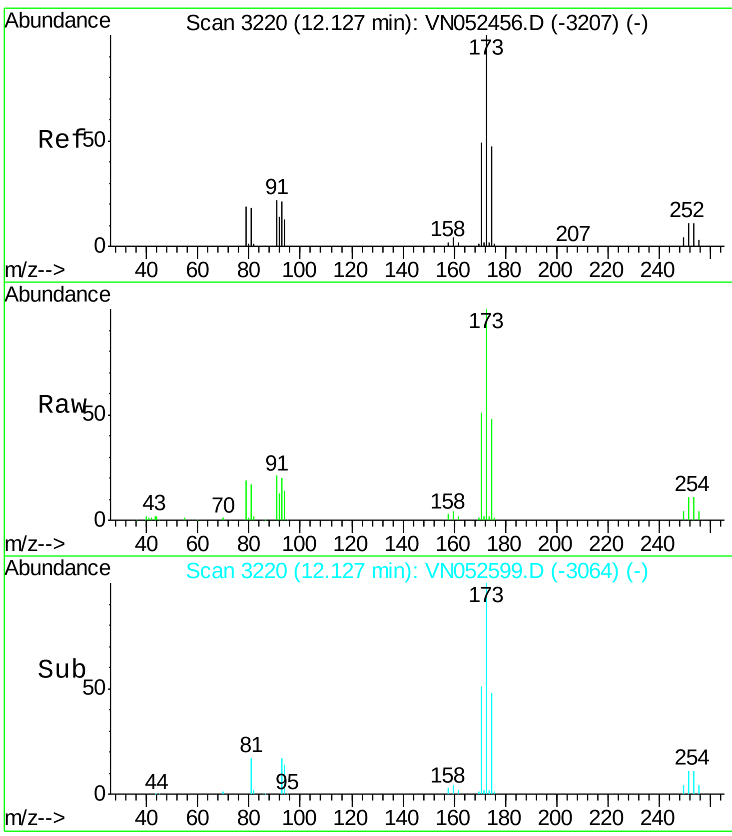
Tgt Ion: 63 Resp: 653754

Ion	Ratio	Lower	Upper
63	100		
65	32.2	25.4	38.2
106	26.5	20.4	30.6

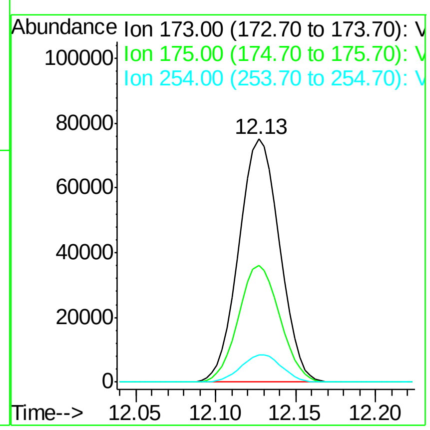


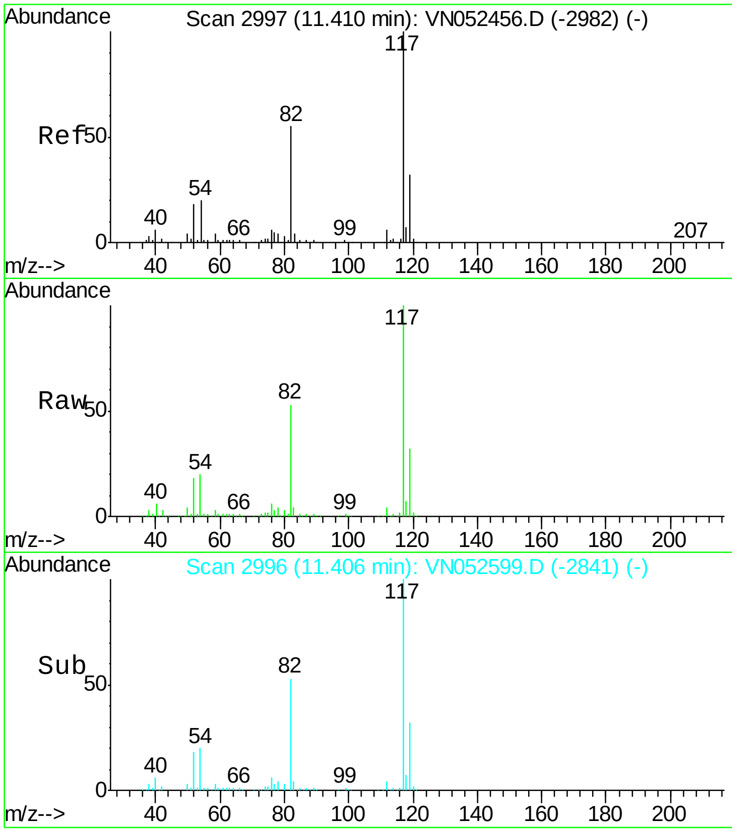


#56
Bromoform
Concen: 20.126 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN052599.D
Acq: 30 Nov 2018 11:48

Tgt Ion:173 Resp: 131222

Ion	Ratio	Lower	Upper
173	100		
175	48.6	38.7	58.1
254	11.3	8.4	12.6





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052599.D
Acq: 30 Nov 2018 11:48

Instrument :
MSVOA_N
ClientSampleId :
VN1130WBSD01

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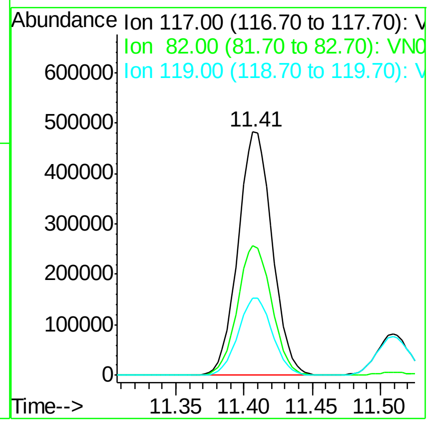
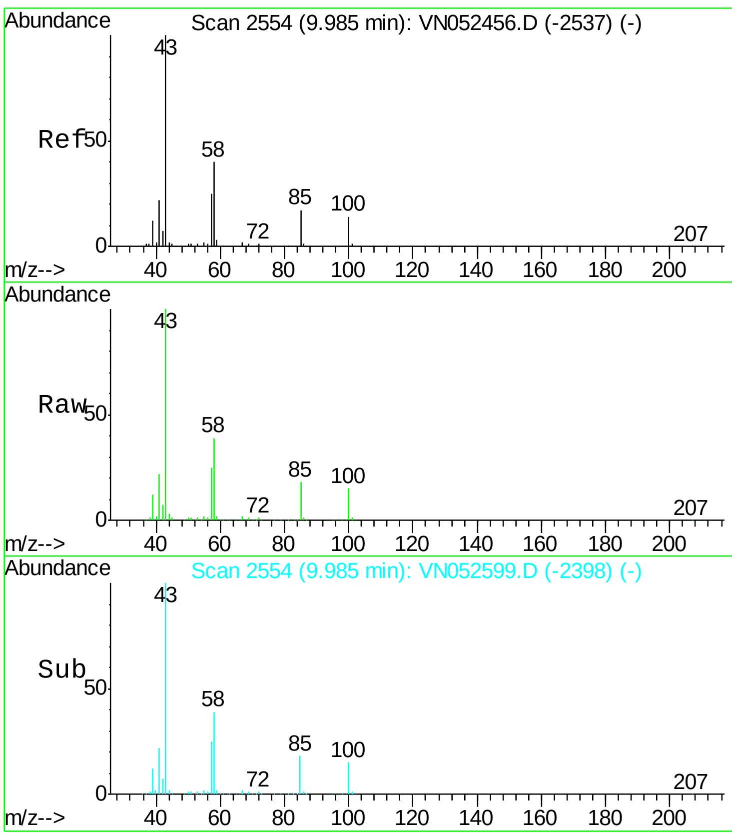
Tgt Ion:117 Resp: 838620

Ion	Ratio	Lower	Upper
117	100		
82	53.6	44.2	66.2
119	31.8	25.4	38.2

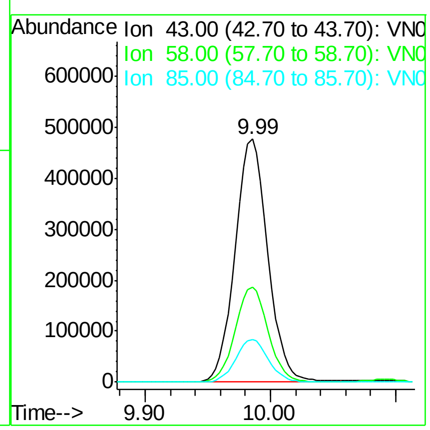


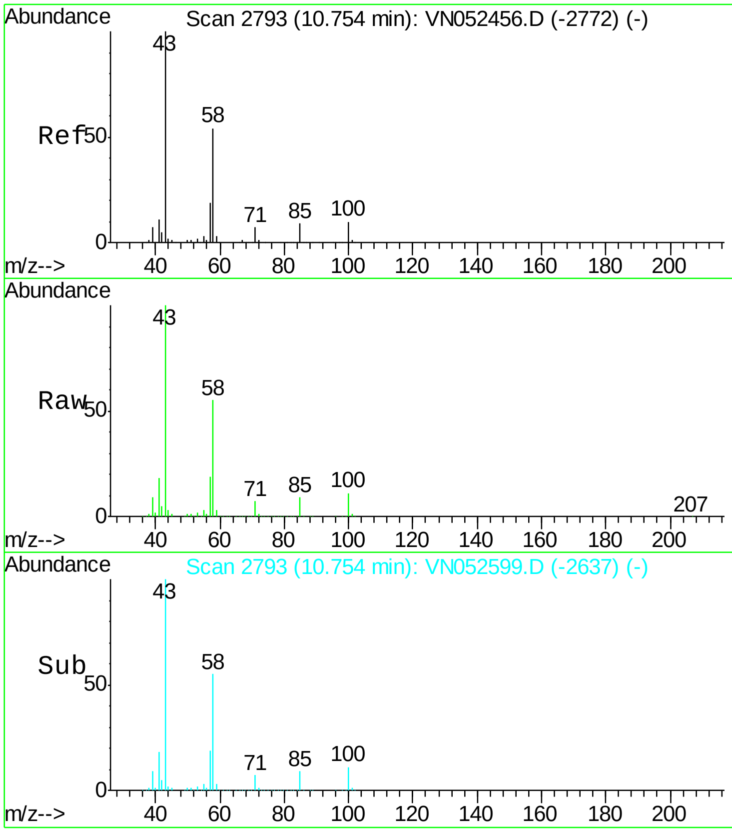


#58
4-Methyl-2-Pentanone
Concen: 106.193 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN052599.D
Acq: 30 Nov 2018 11:48

Tgt Ion: 43 Resp: 863371

Ion	Ratio	Lower	Upper
43	100		
58	39.2	31.6	47.4
85	17.6	13.3	19.9





#59
2-Hexanone
Concen: 102.322 ug/l
RT: 10.75 min   Scan# 2793
Delta R.T.   0.00 min
Lab File: VN052599.D
Acq: 30 Nov 2018   11:48

Instrument :
MSVOA_N
ClientSampleId :
VN1130WBSD01

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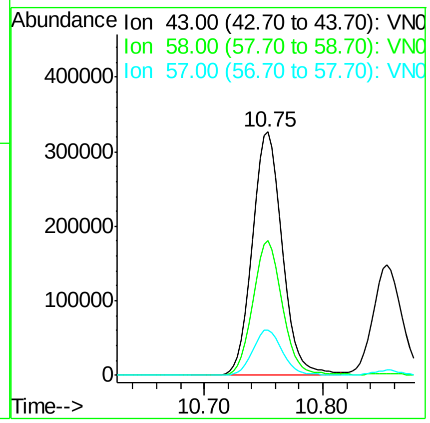
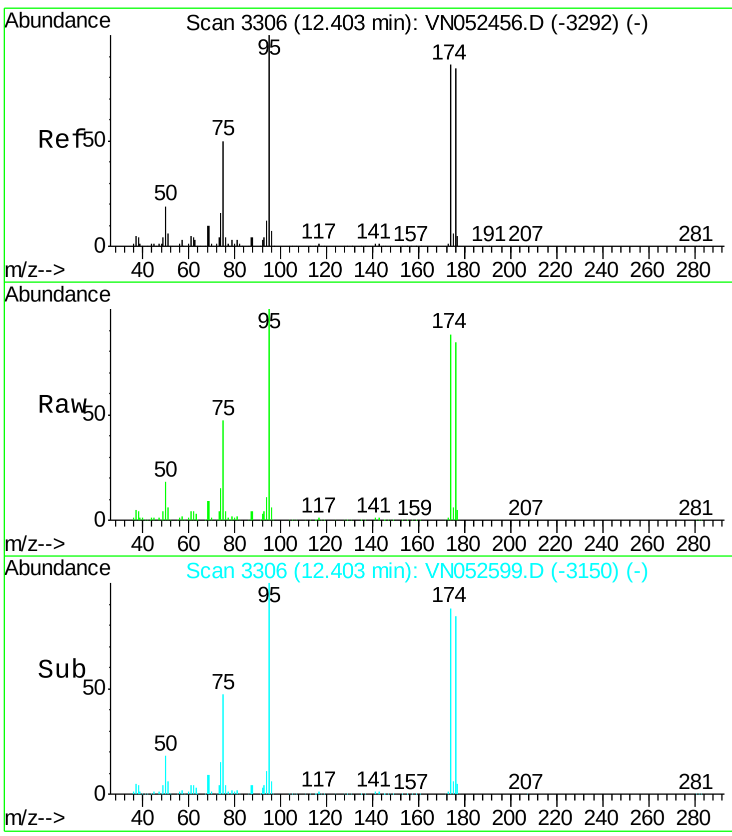
Tgt Ion: 43 Resp: 568282

Ion	Ratio	Lower	Upper
43	100		
58	54.9	43.2	64.8
57	18.7	14.9	22.3

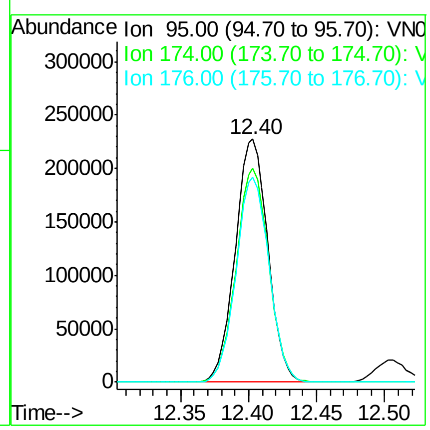


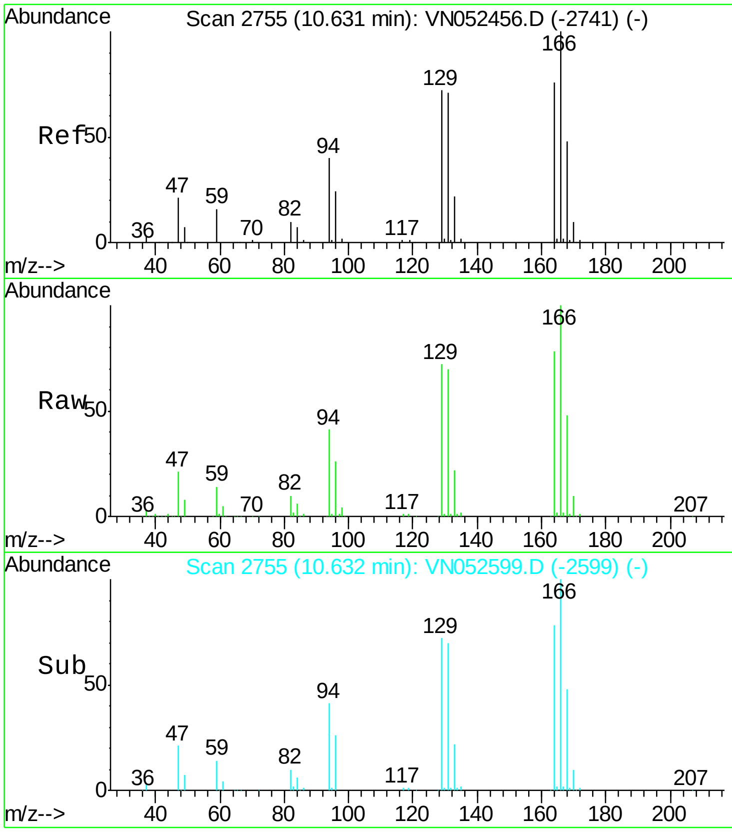


#60
4-Bromofluorobenzene
Concen: 102.322 ug/l
RT: 12.40 min   Scan# 3306
Delta R.T.   0.00 min
Lab File: VN052599.D
Acq: 30 Nov 2018   11:48

Tgt Ion: 95 Resp: 378168

Ion	Ratio	Lower	Upper
95	100		
174	88.3	67.9	101.9
176	85.4	66.4	99.6





#61
Tetrachloroethene
Concen: 20.960 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052599.D
Acq: 30 Nov 2018 11:48

Instrument : MSVOA_N
ClientSampleId : VN1130WBSD01

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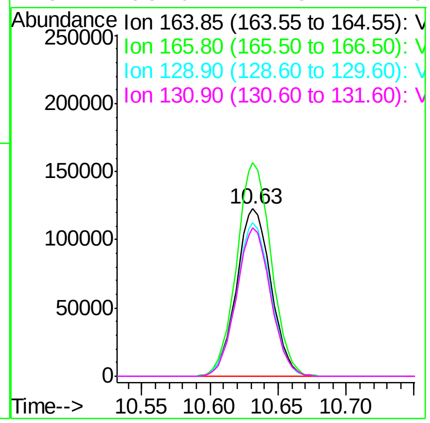
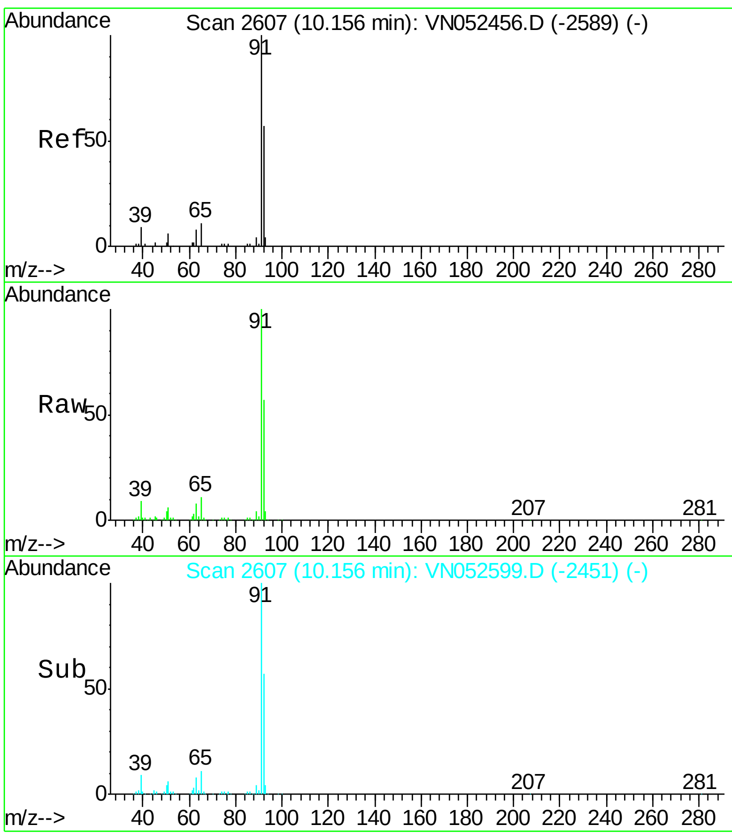
Tgt Ion:164 Resp: 216491

Ion	Ratio	Lower	Upper
164	100		
166	127.6	104.6	157.0
129	91.8	75.3	112.9
131	88.9	74.3	111.5

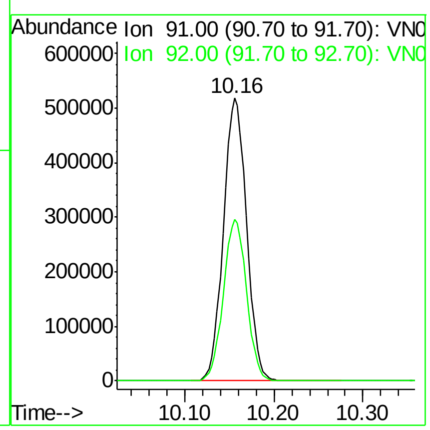


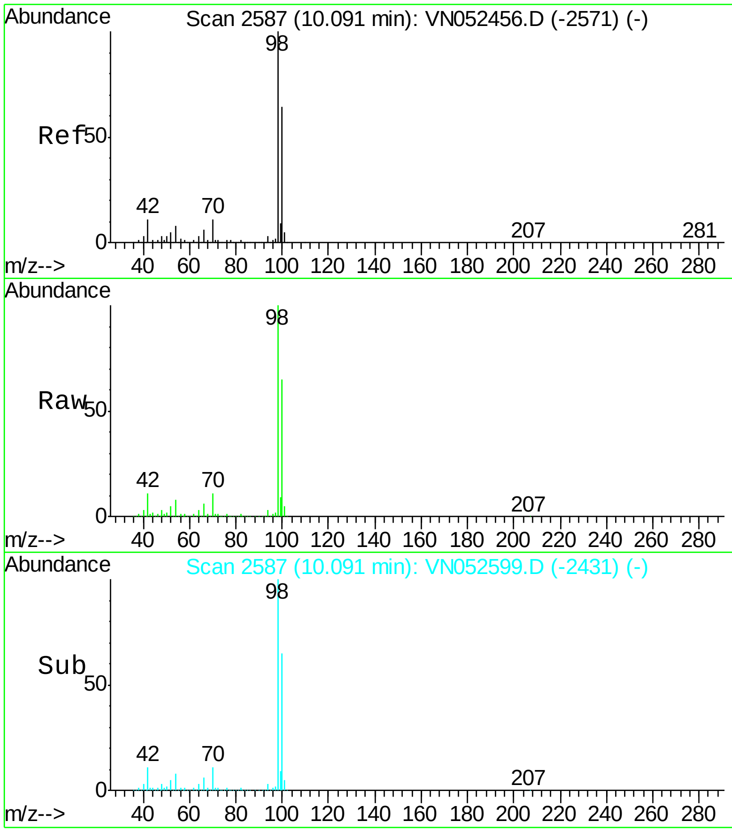


#62
Toluene
Concen: 20.104 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN052599.D
Acq: 30 Nov 2018 11:48

Tgt Ion: 91 Resp: 929402

Ion	Ratio	Lower	Upper
91	100		
92	57.2	45.4	68.2





#63
Toluene-d8
Concen: 20.104 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN052599.D
Acq: 30 Nov 2018 11:48

Tgt Ion: 98 Resp: 1142192

Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.1	76.7

Instrument :
MSVOA_N
ClientSampleId :
VN1130WBSD01

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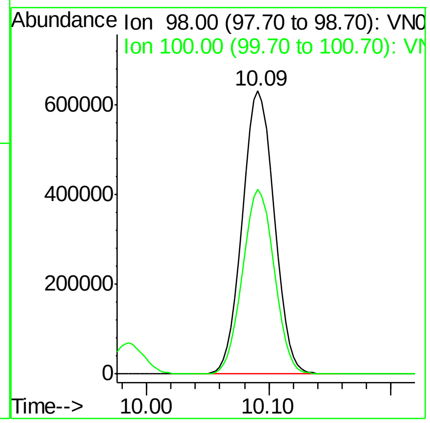
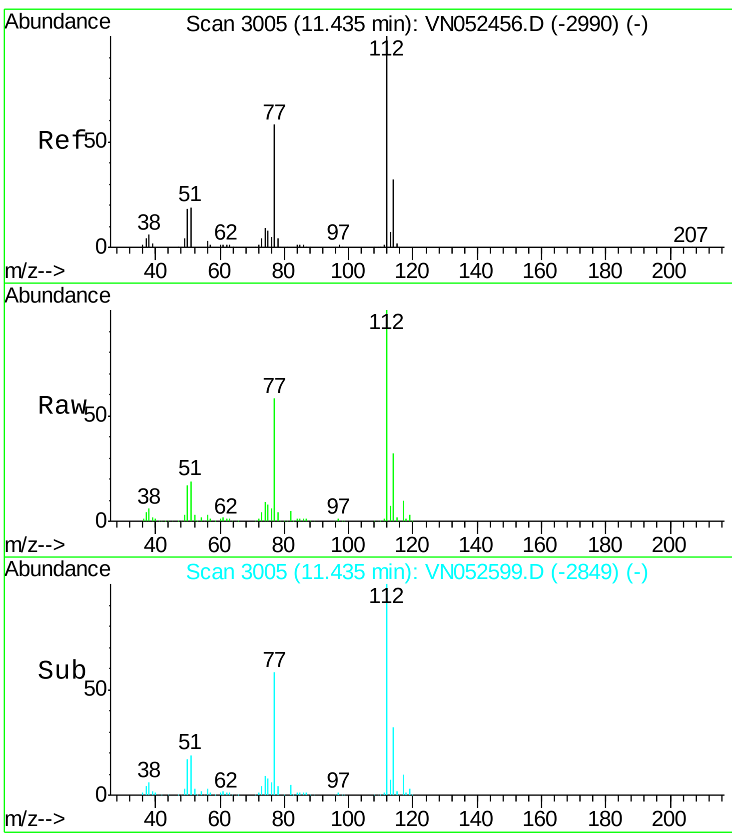
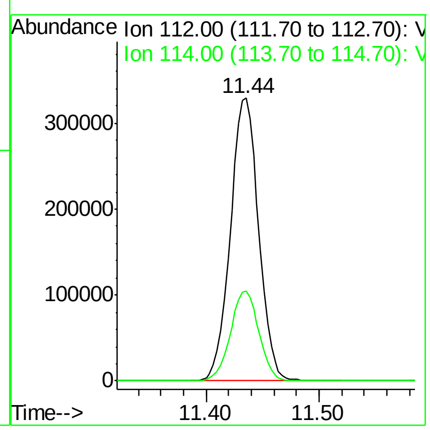


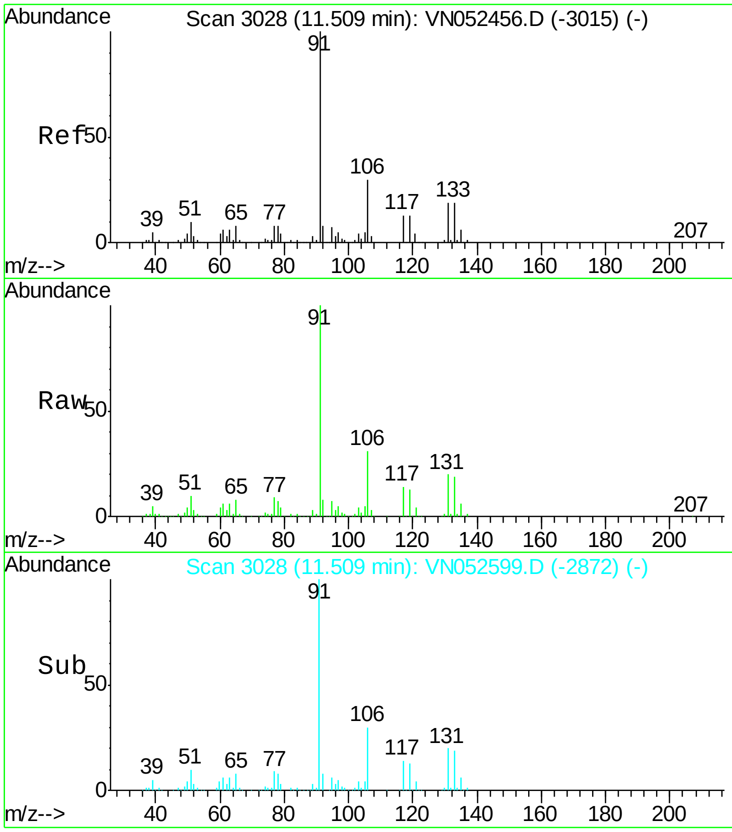


#64
Chlorobenzene
Concen: 20.265 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN052599.D
Acq: 30 Nov 2018 11:48

Tgt Ion:112 Resp: 571819

Ion	Ratio	Lower	Upper
112	100		
114	31.9	25.6	38.4






```
#65
1,1,1,2-Tetrachloroethane
Concen:    20.390 ug/l
RT: 11.51 min   Scan# 3028
Delta R.T.    0.00 min
Lab File:    VN052599.D
Acq: 30 Nov 2018   11:48

Tgt Ion:131 Resp:   199714
Ion  Ratio  Lower  Upper
131  100
133   96.1    0.0  193.4
119   66.4    0.0  133.0
```

Instrument :
MSVOA_N
ClientSampleId :
VN1130WBSD01

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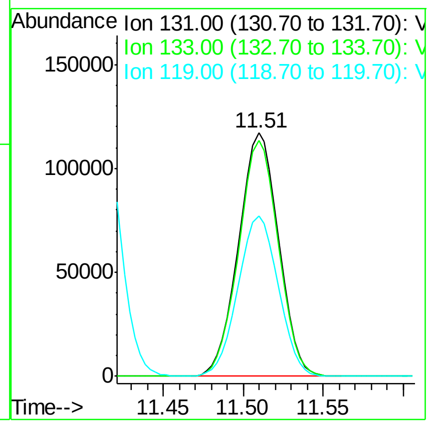
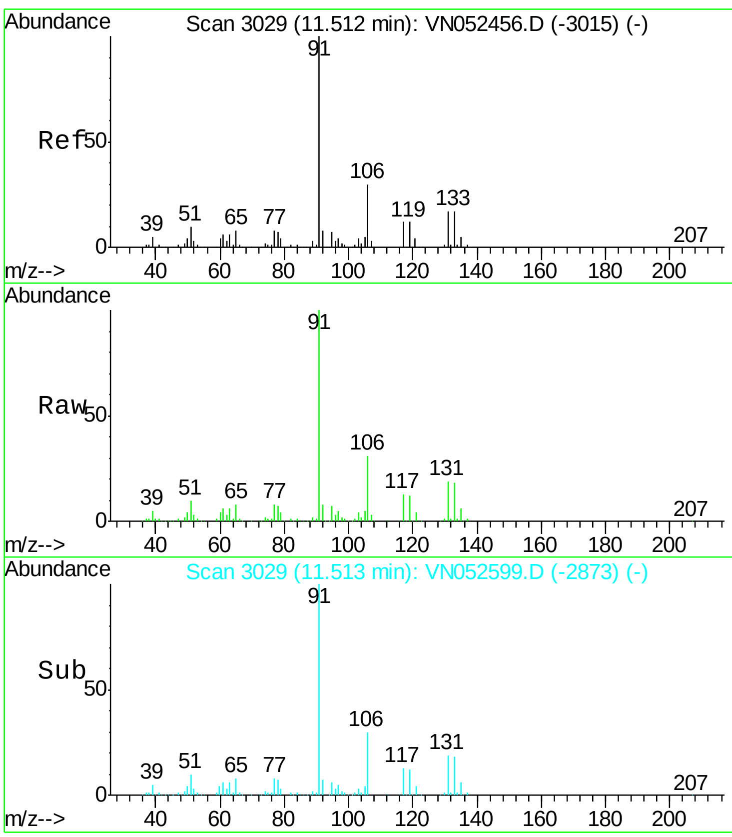
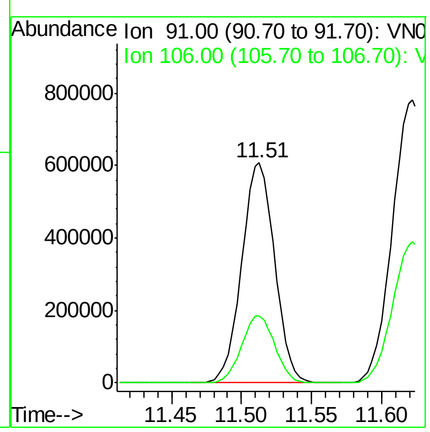





```
#66
Ethyl Benzene
Concen:    20.016 ug/l
RT: 11.51 min   Scan# 3029
Delta R.T.    0.00 min
Lab File:    VN052599.D
Acq: 30 Nov 2018   11:48

Tgt Ion: 91 Resp:   997324
Ion  Ratio  Lower  Upper
 91  100
106   30.7   24.3   36.5
```



#67
m/p-Xylenes
Concen: 40.601 ug/l
RT: 11.62 min   Scan# 3063
Delta R.T.   0.00 min
Lab File: VN052599.D
Acq: 30 Nov 2018   11:48

Tgt Ion:106 Resp: 753674

Ion	Ratio	Lower	Upper
106	100		
91	200.7	163.9	245.9

Instrument :
MSVOA_N
ClientSampleId :
VN1130WBSD01

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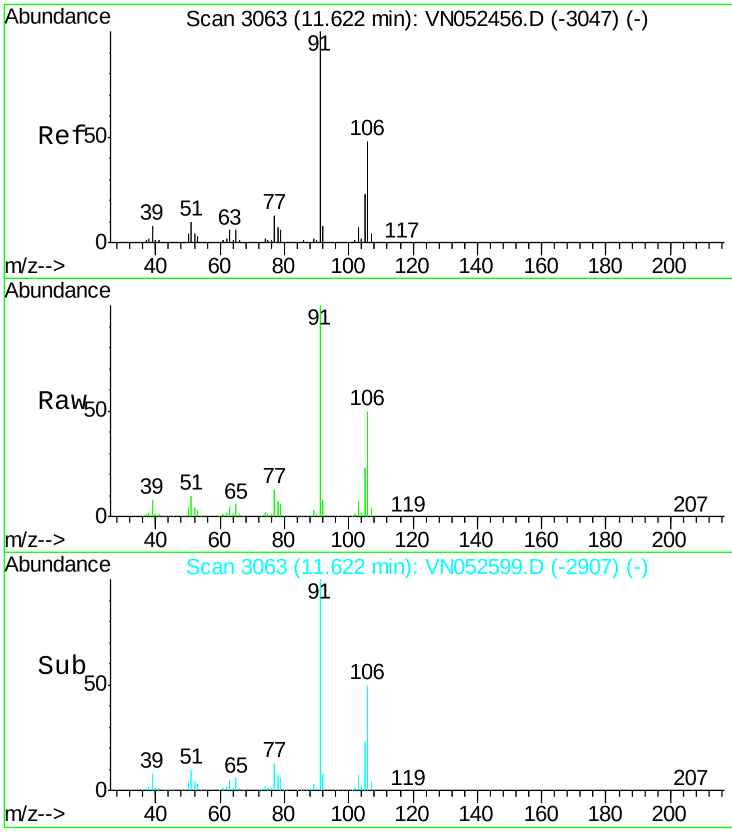
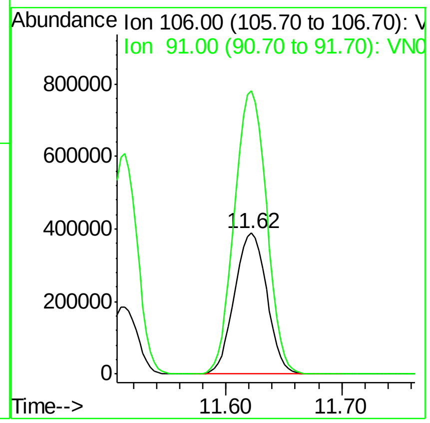
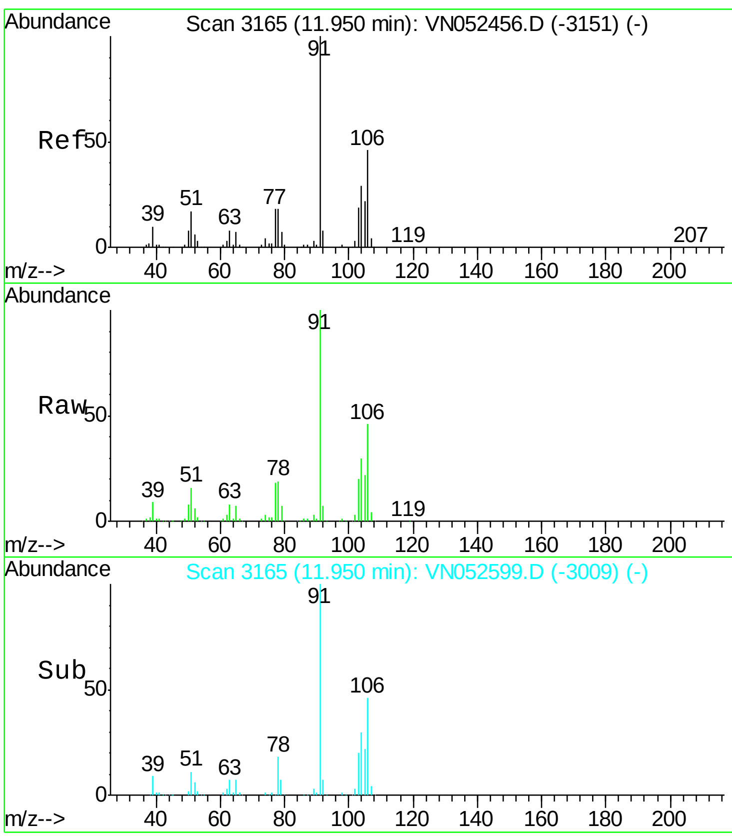


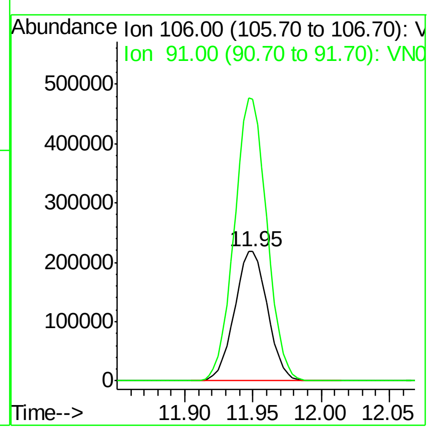


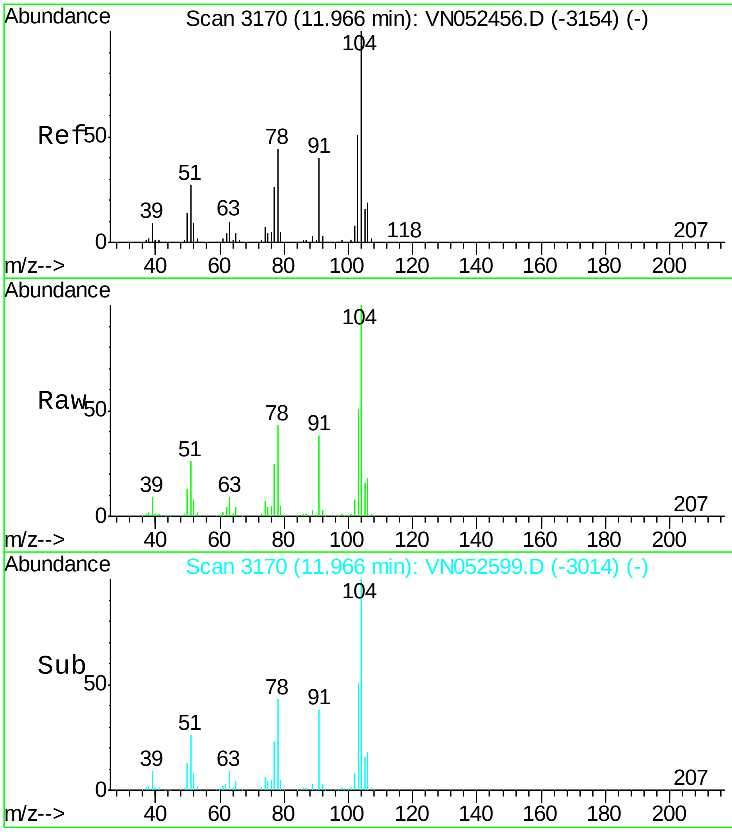
#68
o-Xylene
Concen: 20.338 ug/l
RT: 11.95 min   Scan# 3165
Delta R.T.   0.00 min
Lab File: VN052599.D
Acq: 30 Nov 2018   11:48

Tgt Ion:106 Resp: 366439

Ion	Ratio	Lower	Upper
106	100		
91	215.9	107.8	323.4







#69
Styrene
Concen: 19.995 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN052599.D
Acq: 30 Nov 2018 11:48

Tgt Ion:104 Resp: 581468

Ion	Ratio	Lower	Upper
104	100		
78	49.4	39.3	58.9
103	55.5	44.6	66.8

Instrument :
MSVOA_N
ClientSampleId :
VN1130WBSD01

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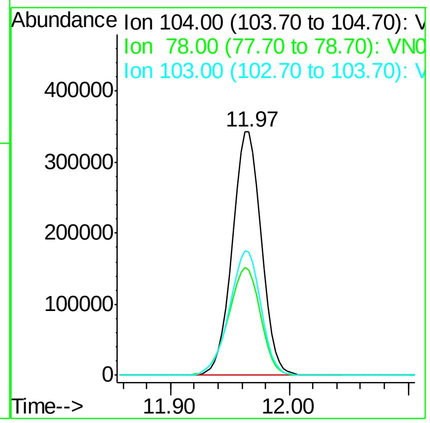
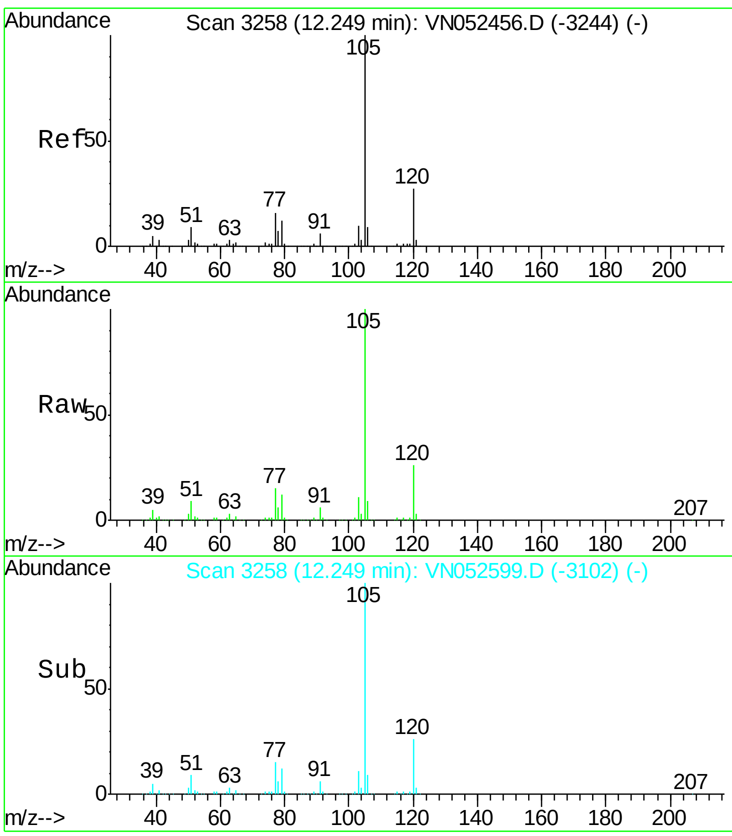
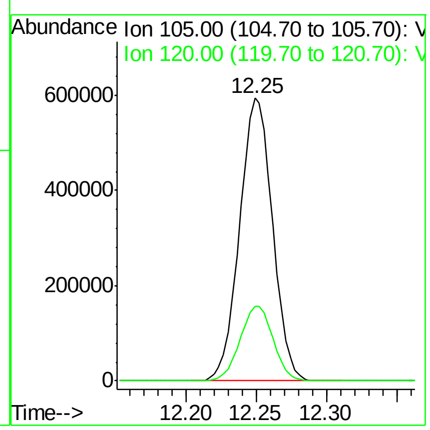


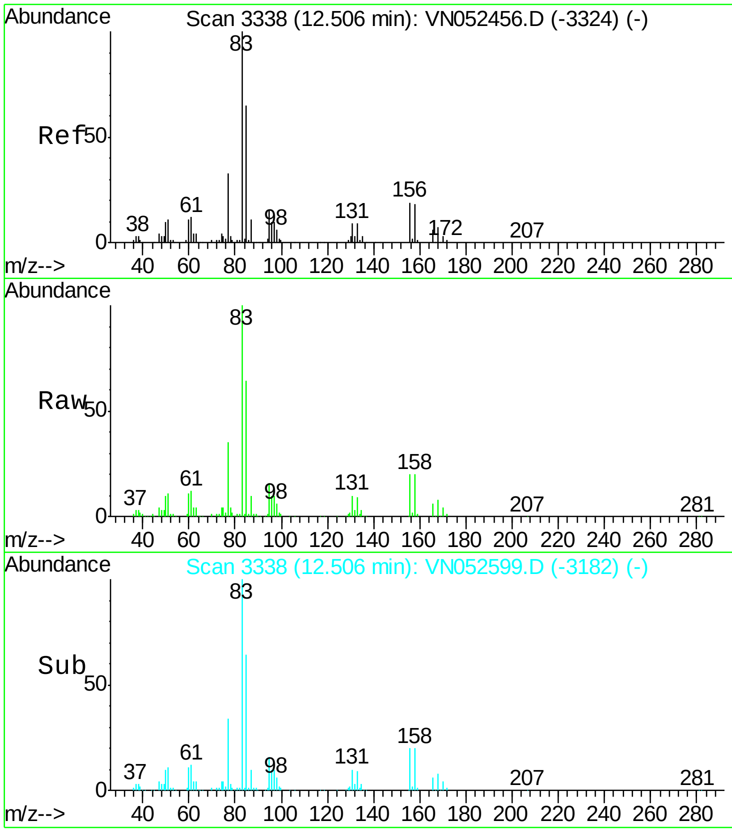


#70
Isopropylbenzene
Concen: 20.299 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN052599.D
Acq: 30 Nov 2018 11:48

Tgt Ion:105 Resp: 973094

Ion	Ratio	Lower	Upper
105	100		
120	26.5	18.6	34.6





#71
1,1,2,2-Tetrachloroethane
Concen: 21.028 ug/l
RT: 12.51 min   Scan# 3338
Delta R.T.   0.00 min
Lab File: VN052599.D
Acq: 30 Nov 2018   11:48

Instrument :
MSVOA_N
ClientSampleId :
VN1130WBSD01

Tgt Ion: 83 Resp: 219282

Ion	Ratio	Lower	Upper
83	100		
131	10.0	4.9	14.6
85	64.4	32.2	96.6

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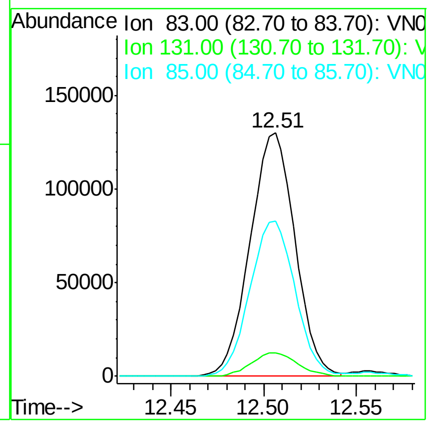
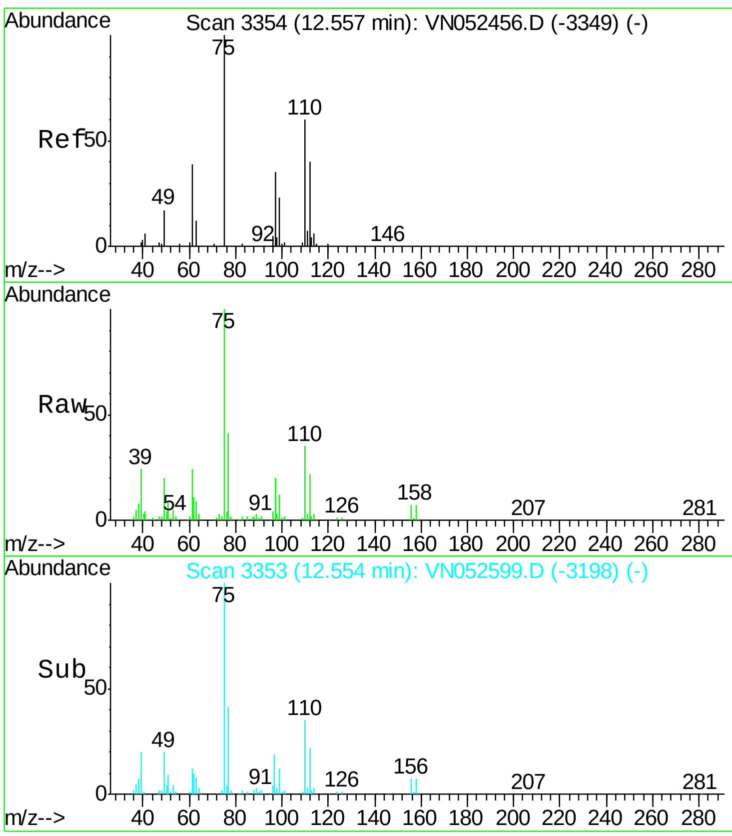
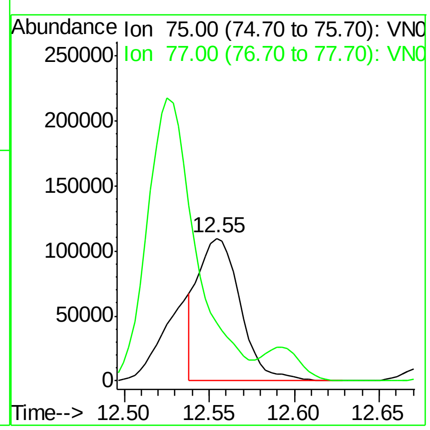


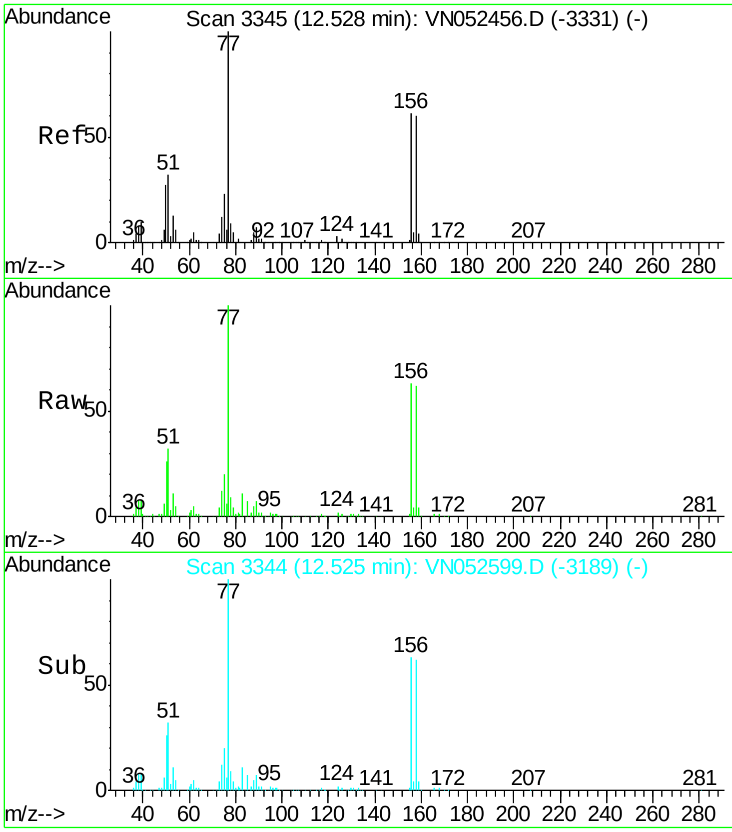


#72
1,2,3-Trichloropropane
Concen: 21.173 ug/l m
RT: 12.55 min   Scan# 3353
Delta R.T.   -0.00 min
Lab File: VN052599.D
Acq: 30 Nov 2018   11:48

Tgt Ion: 75 Resp: 189536

Ion	Ratio	Lower	Upper
75	100		
77	230.4	0.0	514.8





#73
Bromobenzene
Concen: 20.301 ug/l
RT: 12.53 min   Scan# 3344
Delta R.T.   -0.00 min
Lab File: VN052599.D
Acq: 30 Nov 2018   11:48

Instrument :
MSVOA_N
ClientSampleId :
VN1130WBSD01

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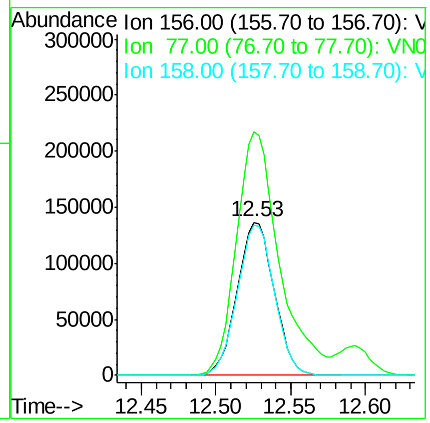
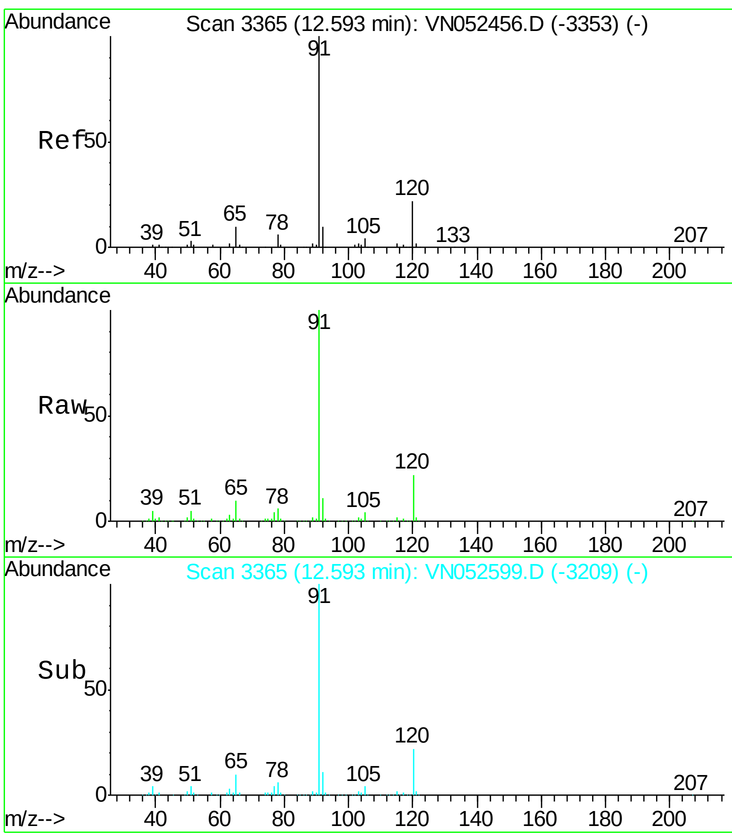
Tgt Ion:156 Resp: 235367

Ion	Ratio	Lower	Upper
156	100		
77	185.6	0.0	382.6
158	98.5	0.0	196.8

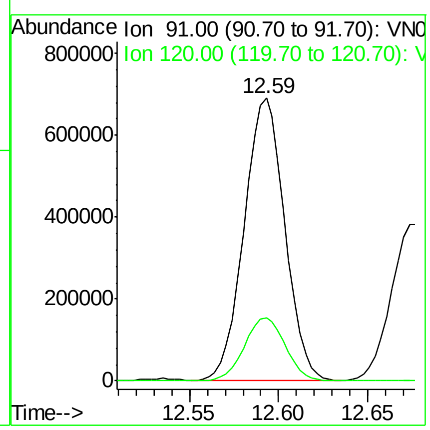


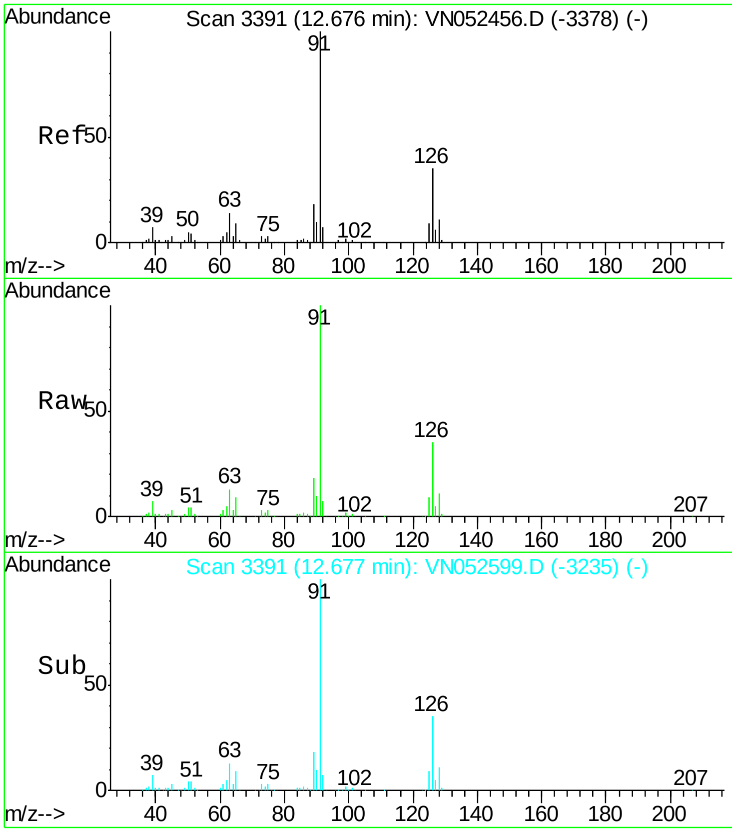


#74
n-propylbenzene
Concen: 19.782 ug/l
RT: 12.59 min   Scan# 3365
Delta R.T.   0.00 min
Lab File: VN052599.D
Acq: 30 Nov 2018   11:48

Tgt Ion: 91 Resp: 1104920

Ion	Ratio	Lower	Upper
91	100		
120	22.5	0.0	44.6





#75
2-Chlorotoluene
Concen: 20.148 ug/l
RT: 12.68 min   Scan# 3391
Delta R.T.   0.00 min
Lab File: VN052599.D
Acq: 30 Nov 2018   11:48

Tgt Ion: 91 Resp: 653214

Ion	Ratio	Lower	Upper
91	100		
126	34.5	0.0	68.4

Instrument :
MSVOA_N
ClientSampleId :
VN1130WBSD01

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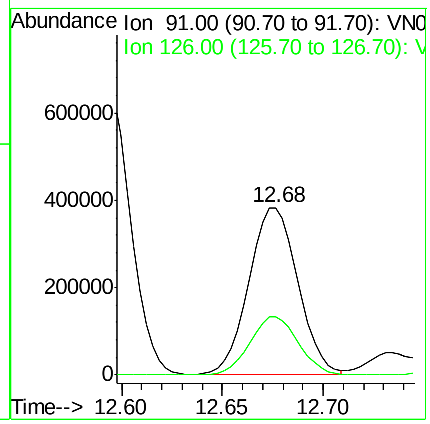
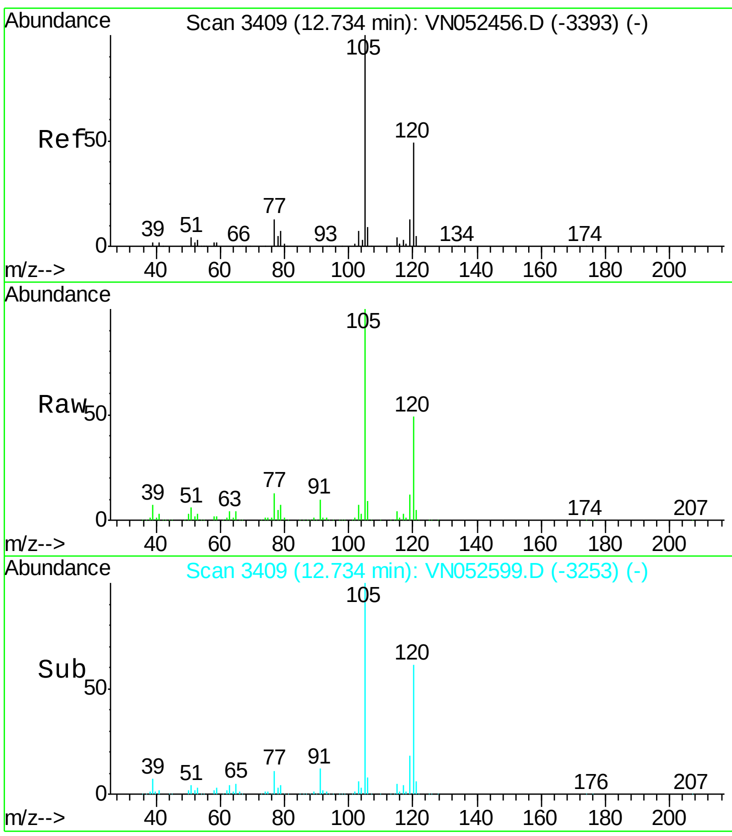
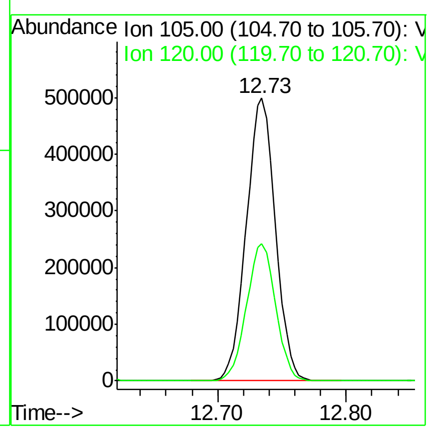


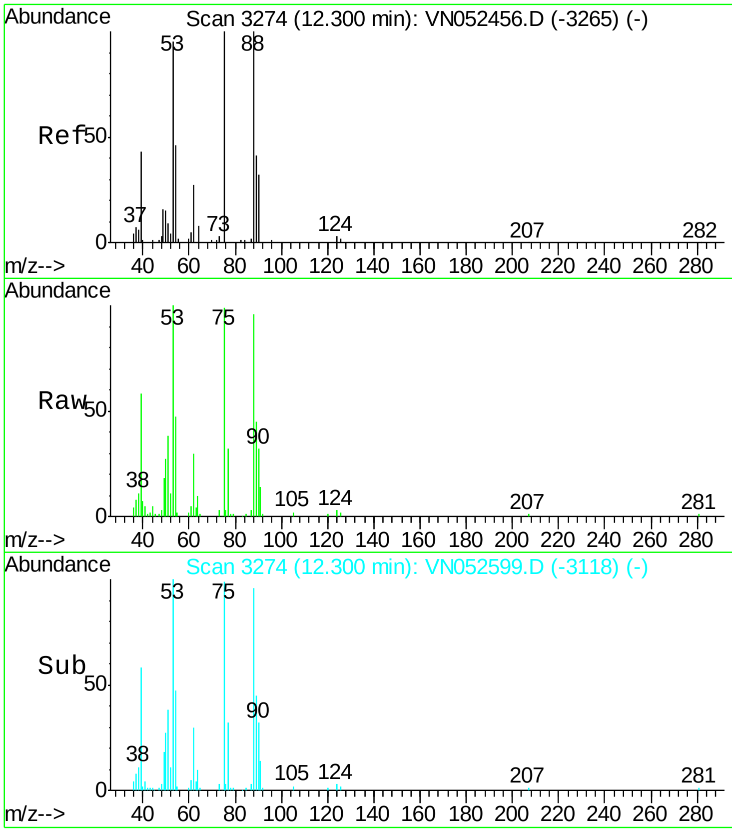


#76
1,3,5-Trimethylbenzene
Concen: 20.201 ug/l
RT: 12.73 min   Scan# 3409
Delta R.T.   0.00 min
Lab File: VN052599.D
Acq: 30 Nov 2018   11:48

Tgt Ion:105 Resp: 782184

Ion	Ratio	Lower	Upper
105	100		
120	48.8	0.0	97.4





#77
t-1,4-Dichloro-2-butene
Concen: 19.131 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN052599.D
Acq: 30 Nov 2018 11:48

Instrument :
MSVOA_N
ClientSampleId :
VN1130WBSD01

Tgt Ion: 75 Resp: 54098

Ion	Ratio	Lower	Upper
75	100		
53	101.1	48.5	145.6
89	45.3	21.7	65.1

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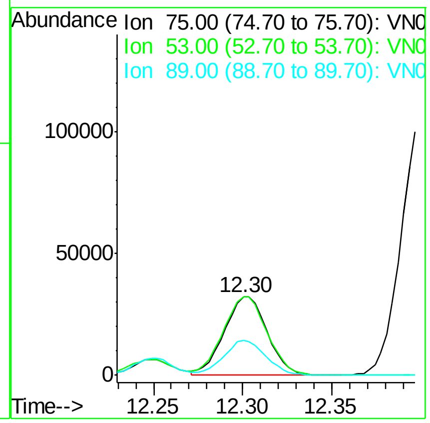
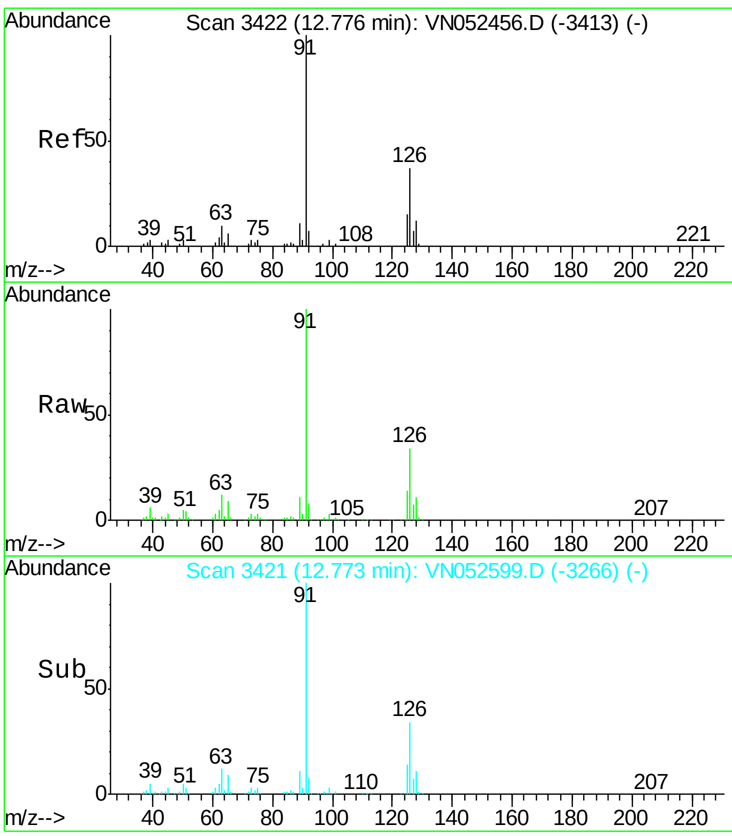
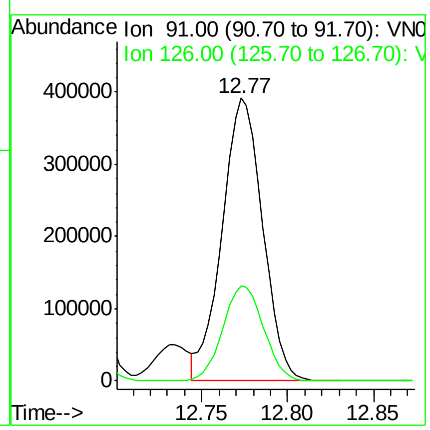


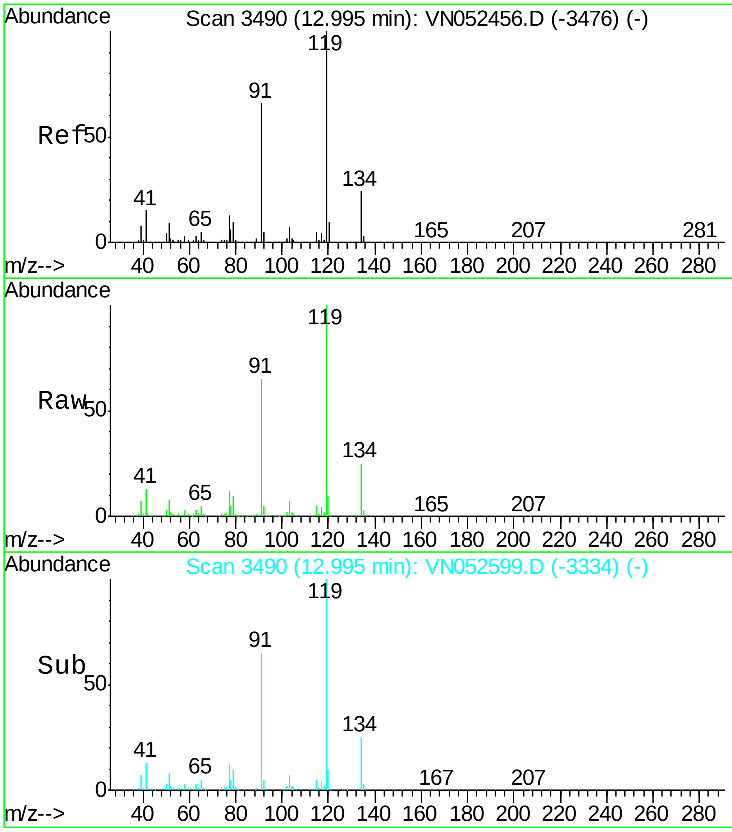


#78
4-Chlorotoluene
Concen: 19.865 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN052599.D
Acq: 30 Nov 2018 11:48

Tgt Ion: 91 Resp: 643139

Ion	Ratio	Lower	Upper
91	100		
126	33.8	0.0	68.2





#79
tert-butylbenzene
Concen: 20.519 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN052599.D
Acq: 30 Nov 2018 11:48

Instrument :
MSVOA_N
ClientSampleId :
VN1130WBSD01

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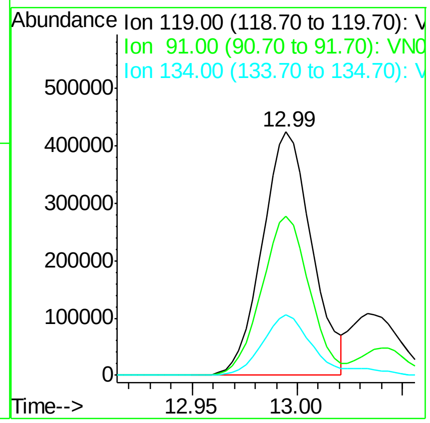
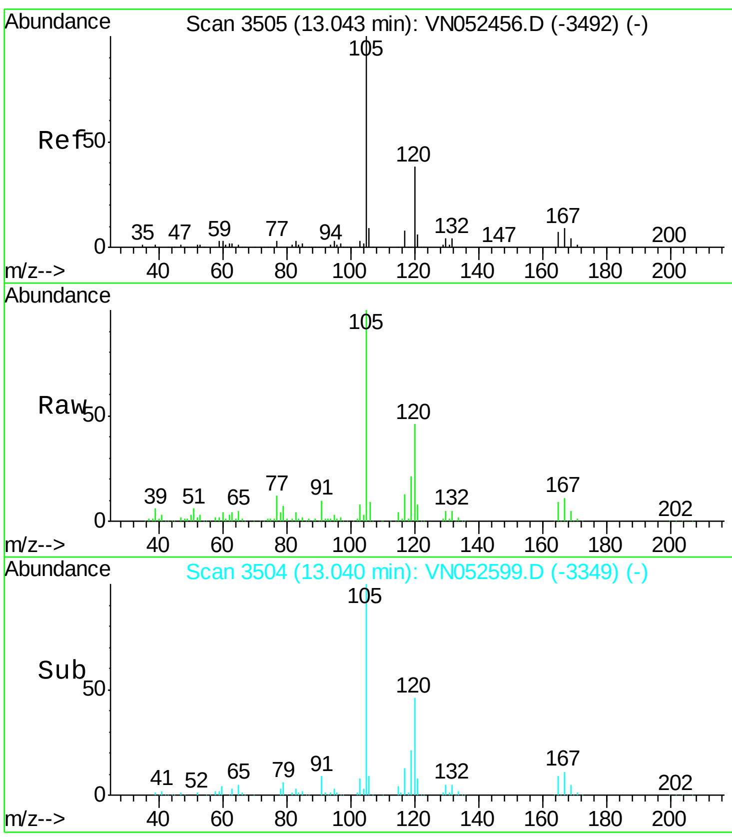
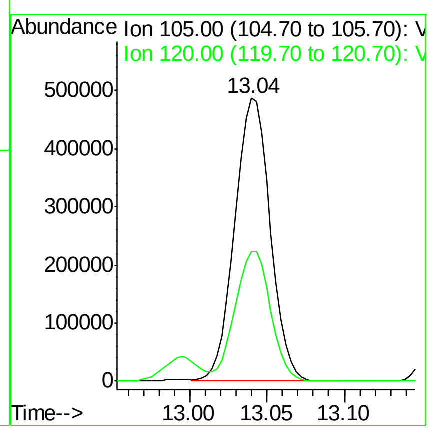
Tgt Ion:119	Resp:	691910	
Ion	Ratio	Lower	Upper
119	100		
91	63.6	0.0	129.8
134	24.3	0.0	52.2

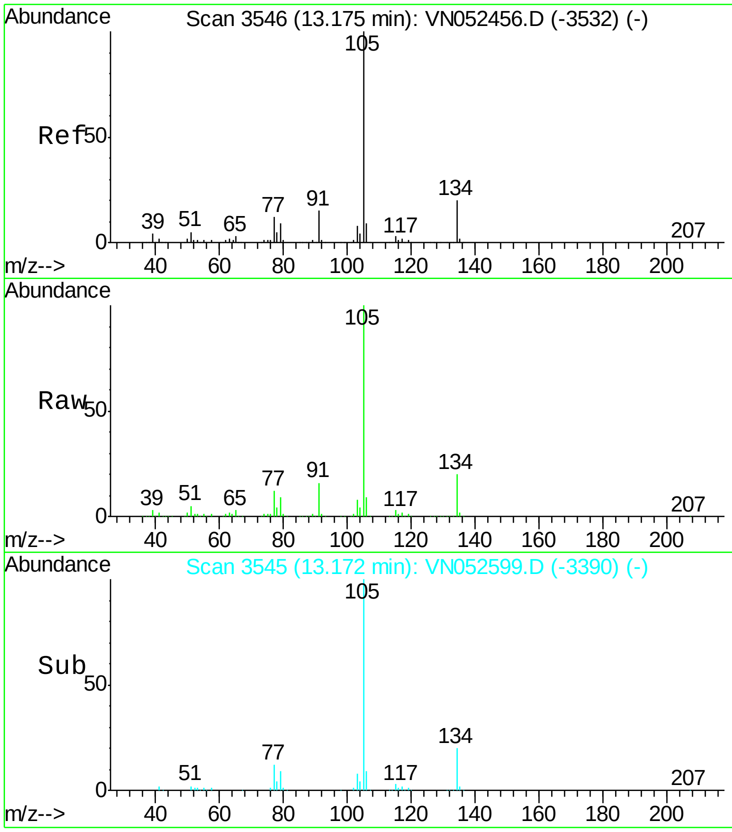




#80
1,2,4-Trimethylbenzene
Concen: 20.050 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN052599.D
Acq: 30 Nov 2018 11:48

Tgt Ion:105	Resp:	776830	
Ion	Ratio	Lower	Upper
105	100		
120	45.9	0.0	91.0





#81
sec-Butylbenzene
Concen: 19.664 ug/l
RT: 13.17 min Scan# 3545
Delta R.T. -0.00 min
Lab File: VN052599.D
Acq: 30 Nov 2018 11:48

Instrument : MSVOA_N
ClientSampleId : VN1130WBSD01

Tgt Ion:105 Resp: 923574

Ion	Ratio	Lower	Upper
105	100		
134	20.3	0.0	40.4

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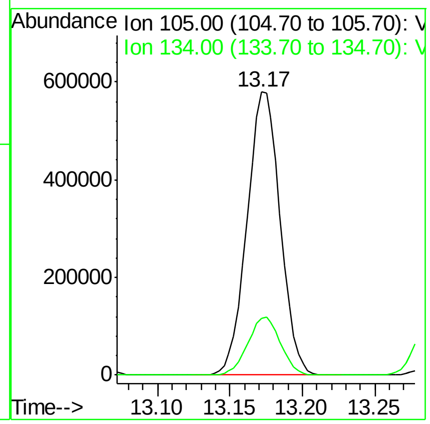
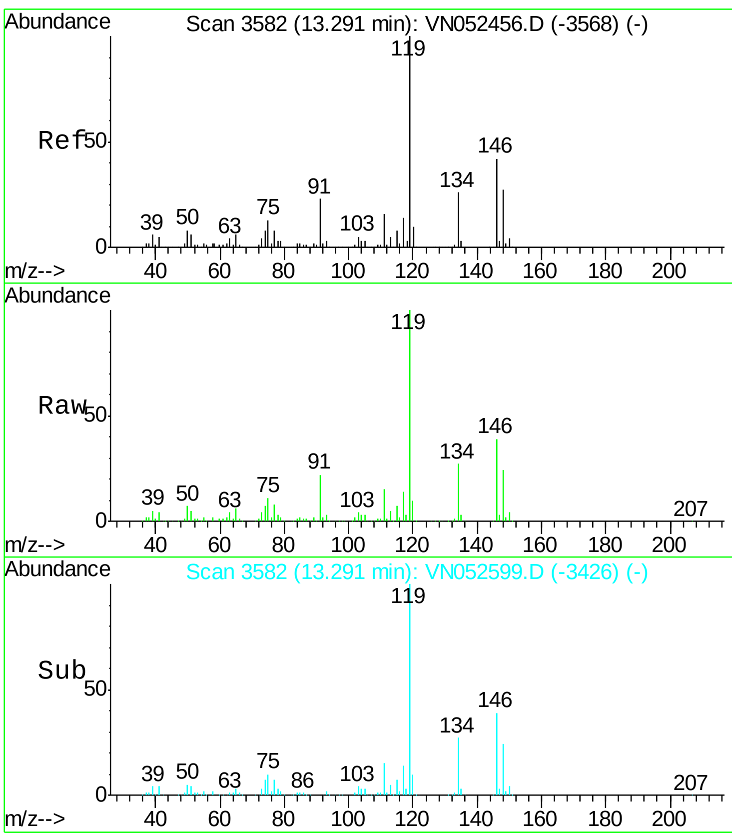
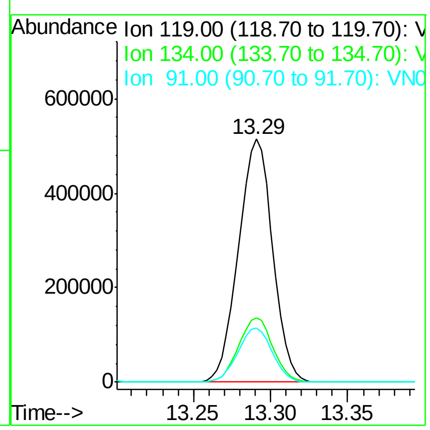


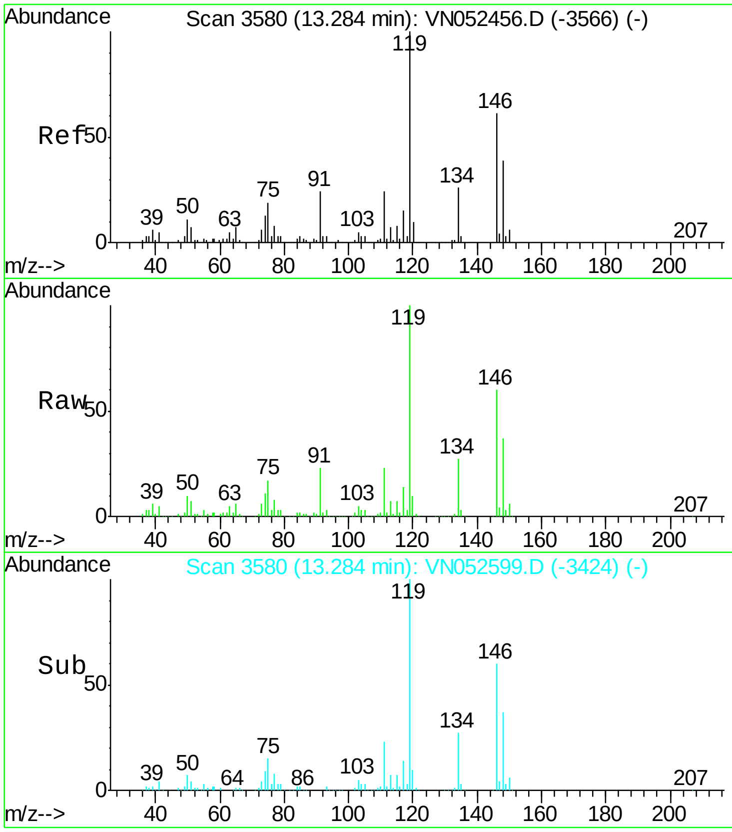


#82
p-Isopropyltoluene
Concen: 19.765 ug/l
RT: 13.29 min Scan# 3582
Delta R.T. 0.00 min
Lab File: VN052599.D
Acq: 30 Nov 2018 11:48

Tgt Ion:119 Resp: 790485

Ion	Ratio	Lower	Upper
119	100		
134	26.6	0.0	52.6
91	22.5	0.0	46.2






```
#83
1,3-Dichlorobenzene
Concen:    19.995 ug/l
RT: 13.28 min   Scan# 3580
Delta R.T.    0.00 min
Lab File:    VN052599.D
Acq: 30 Nov 2018   11:48

Tgt Ion:146 Resp:   407719
Ion  Ratio  Lower   Upper
146  100
111   38.9   19.7    59.0
148   64.1   32.3    96.8
```

Instrument :
MSVOA_N
ClientSampleId :
VN1130WBSD01

Manual Integrations APPROVED
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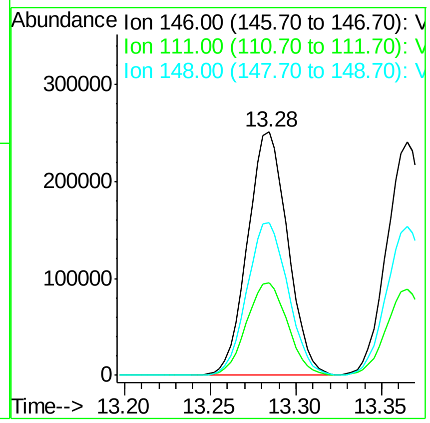
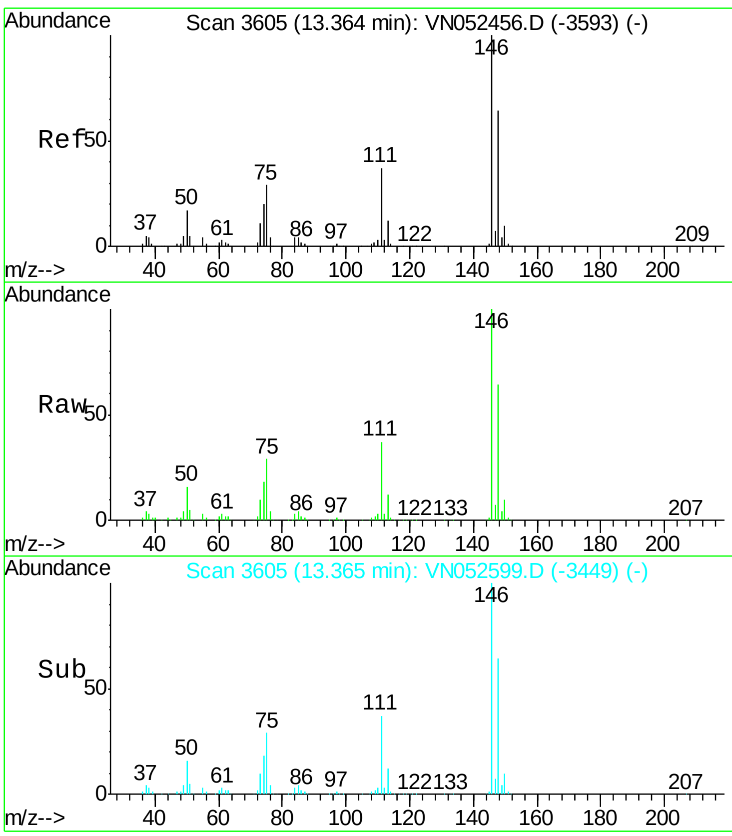
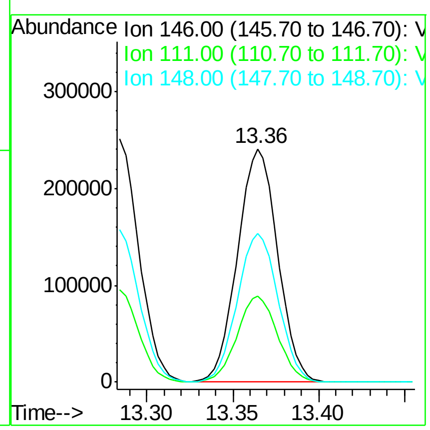
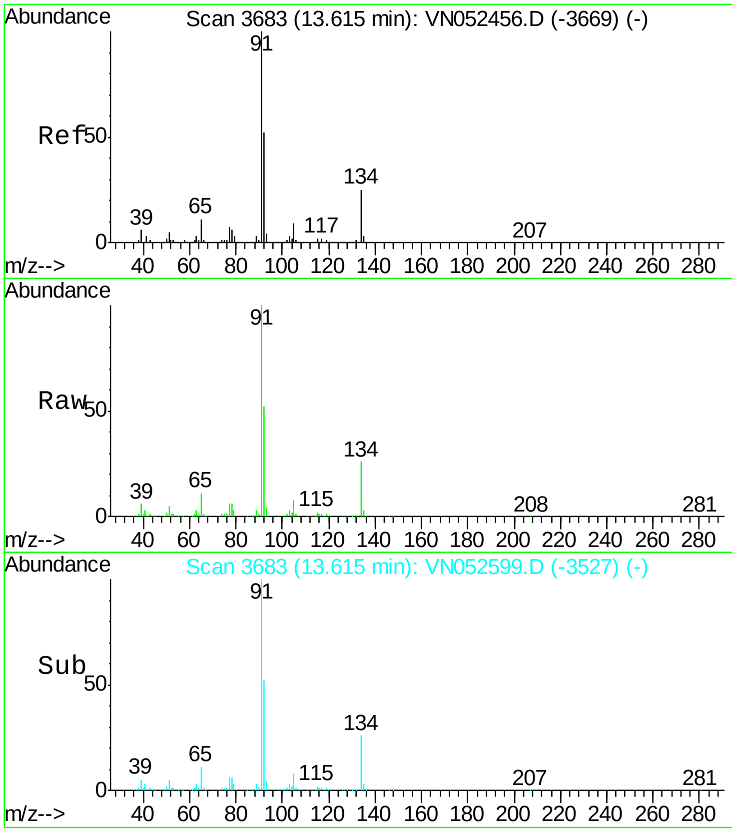





```
#84
1,4-Dichlorobenzene
Concen:    19.848 ug/l
RT: 13.36 min   Scan# 3605
Delta R.T.    0.00 min
Lab File:    VN052599.D
Acq: 30 Nov 2018   11:48

Tgt Ion:146 Resp:   391021
Ion  Ratio  Lower   Upper
146  100
111   37.1   18.8    56.3
148   64.9   32.5    97.4
```





#85
n-Butylbenzene
Concen: 18.675 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN052599.D
Acq: 30 Nov 2018 11:48

Tgt Ion: 91 Resp: 641574

Ion	Ratio	Lower	Upper
91	100		
92	51.7	0.0	104.2
134	25.5	0.0	50.6

Instrument :
MSVOA_N
ClientSampleId :
VN1130WBSD01

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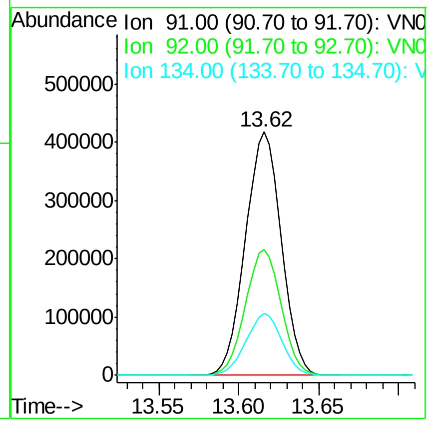
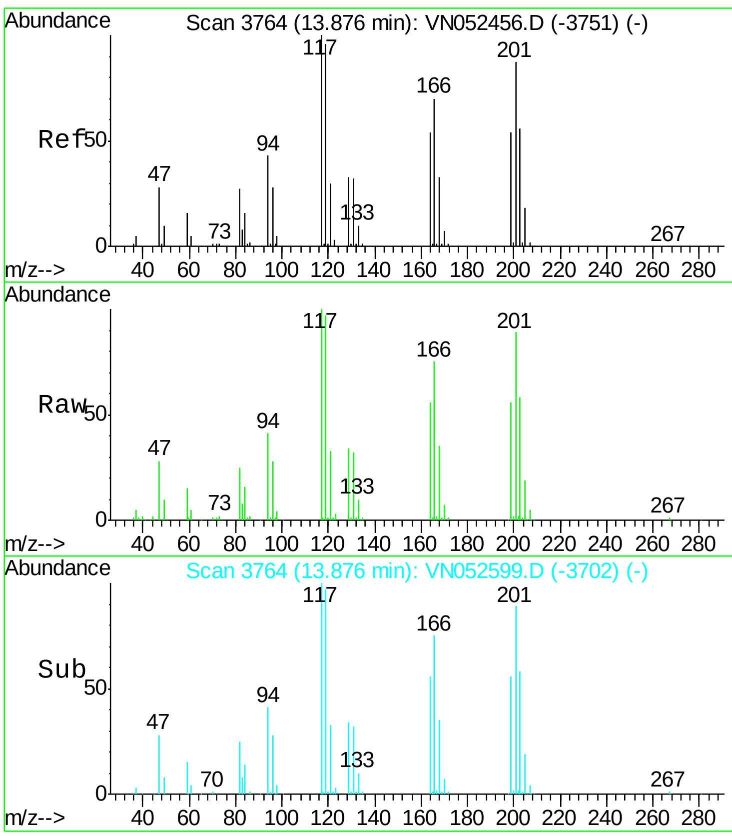
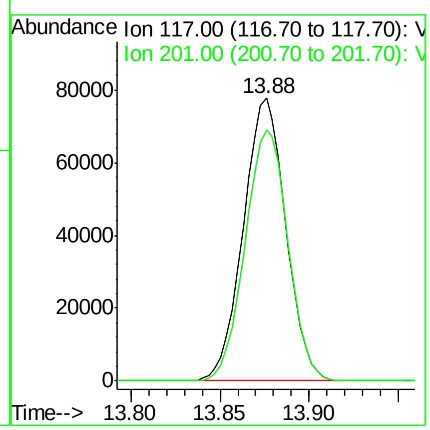


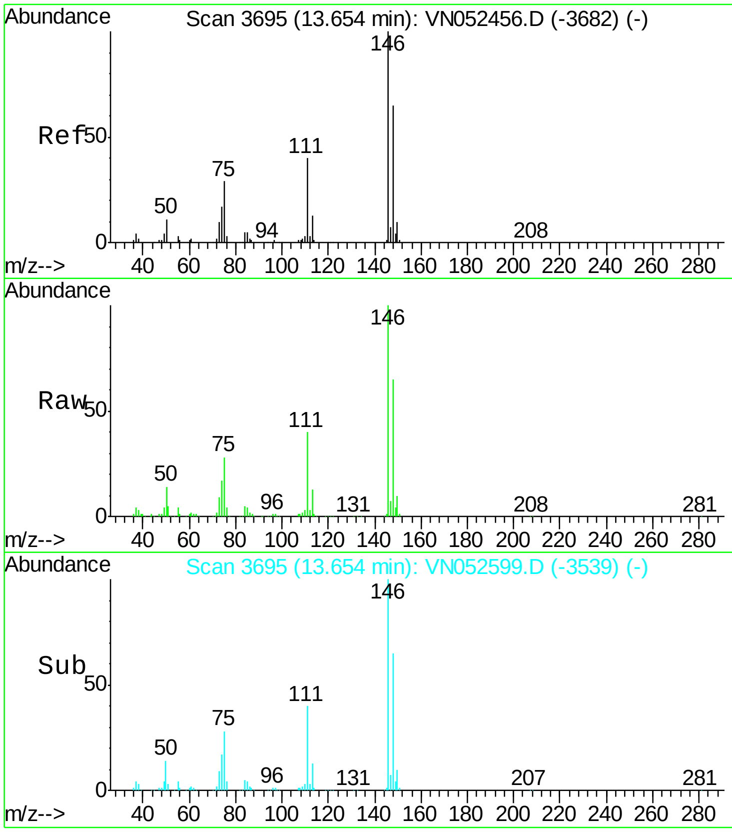


#86
Hexachloroethane
Concen: 19.069 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN052599.D
Acq: 30 Nov 2018 11:48

Tgt Ion:117 Resp: 129220

Ion	Ratio	Lower	Upper
117	100		
201	89.5	43.8	131.3





#87
1,2-Dichlorobenzene
Concen: 20.722 ug/l
RT: 13.65 min Scan# 3695
Delta R.T. 0.00 min
Lab File: VN052599.D
Acq: 30 Nov 2018 11:48

Instrument : MSVOA_N
ClientSampleId : VN1130WBSD01

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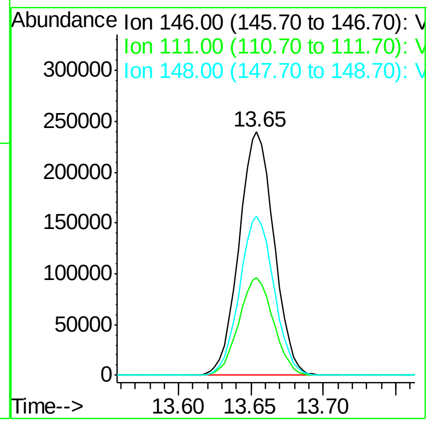
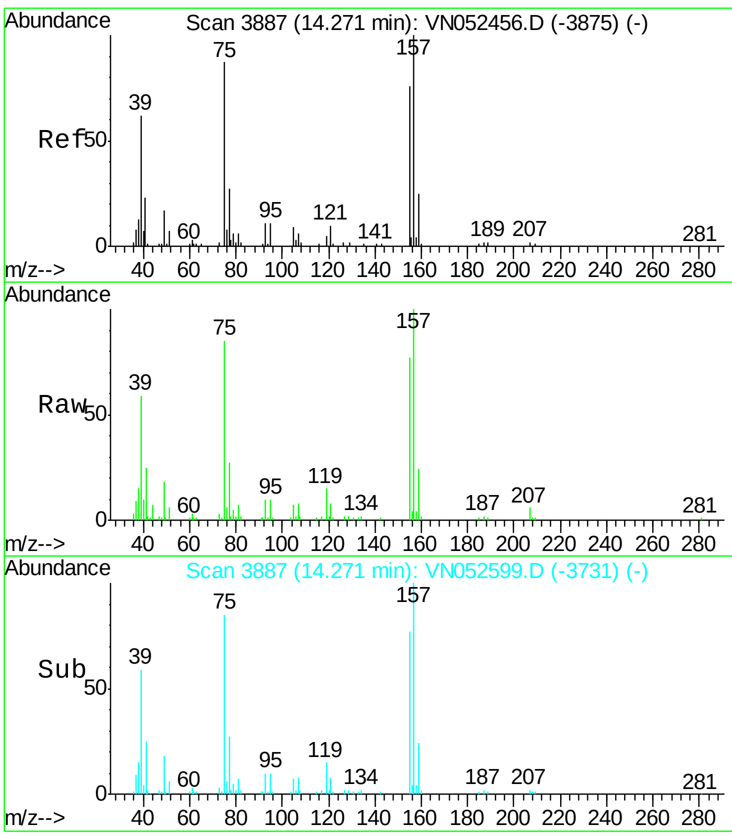
Tgt Ion:146 Resp: 402097

Ion	Ratio	Lower	Upper
146	100		
111	39.6	20.3	60.8
148	64.3	32.1	96.5

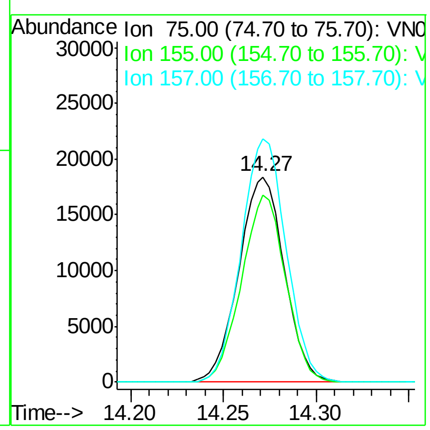


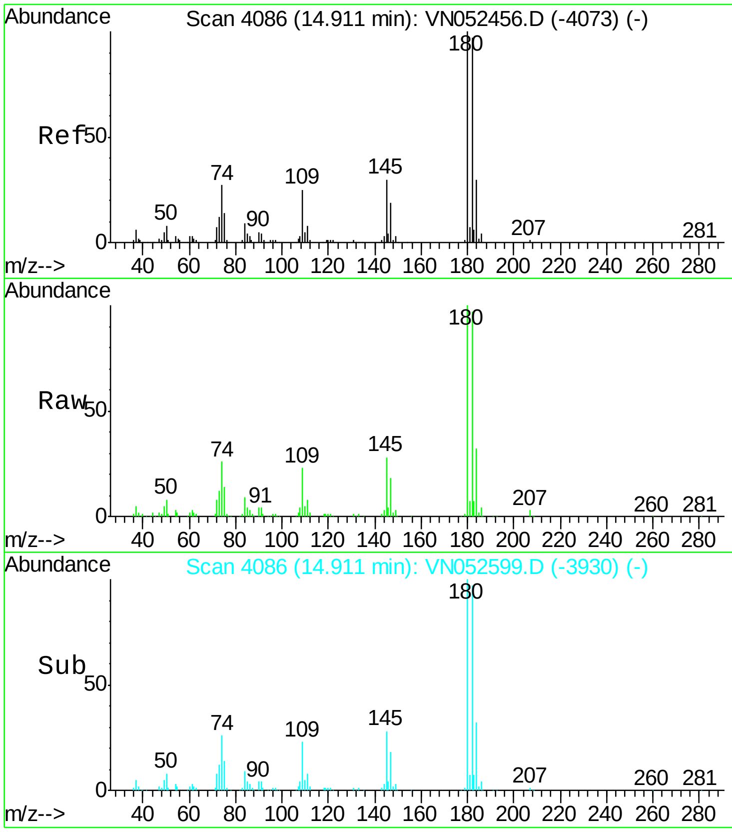


#88
1,2-Dibromo-3-Chloropropane
Concen: 21.546 ug/l
RT: 14.27 min Scan# 3887
Delta R.T. 0.00 min
Lab File: VN052599.D
Acq: 30 Nov 2018 11:48

Tgt Ion: 75 Resp: 31473

Ion	Ratio	Lower	Upper
75	100		
155	87.9	72.2	108.2
157	116.8	94.2	141.2





#89
1,2,4-Trichlorobenzene
Concen: 19.263 ug/l
RT: 14.91 min   Scan# 4086
Delta R.T.   0.00 min
Lab File: VN052599.D
Acq: 30 Nov 2018   11:48

Instrument : MSVOA_N
ClientSampleId : VN1130WBSD01

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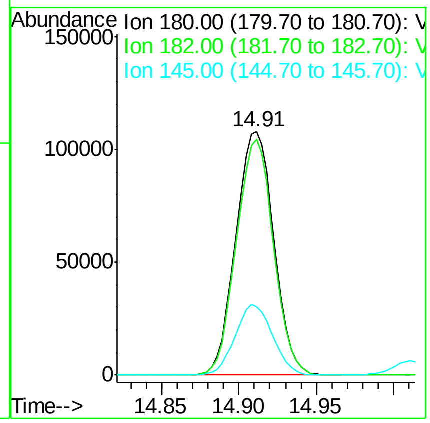
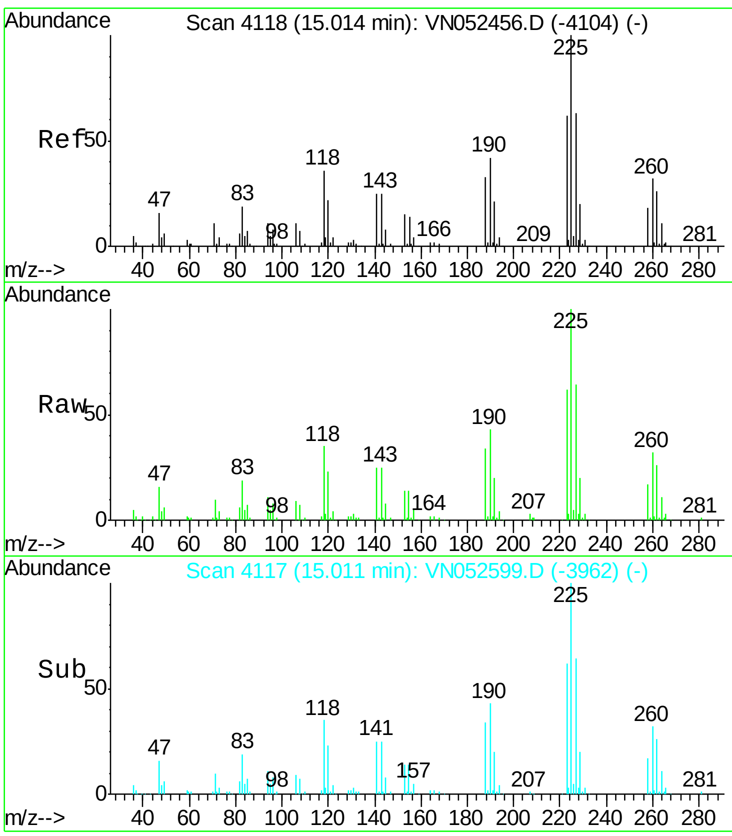
Tgt Ion:180 Resp: 184161

Ion	Ratio	Lower	Upper
180	100		
182	94.6	76.6	114.8
145	28.6	23.6	35.4

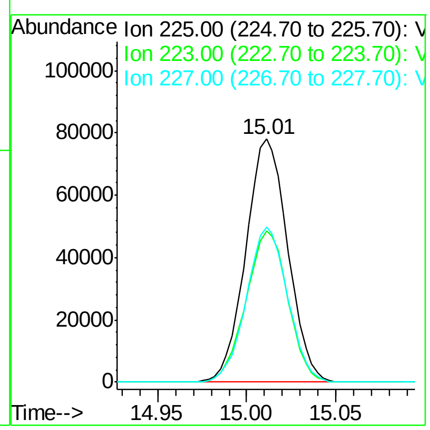


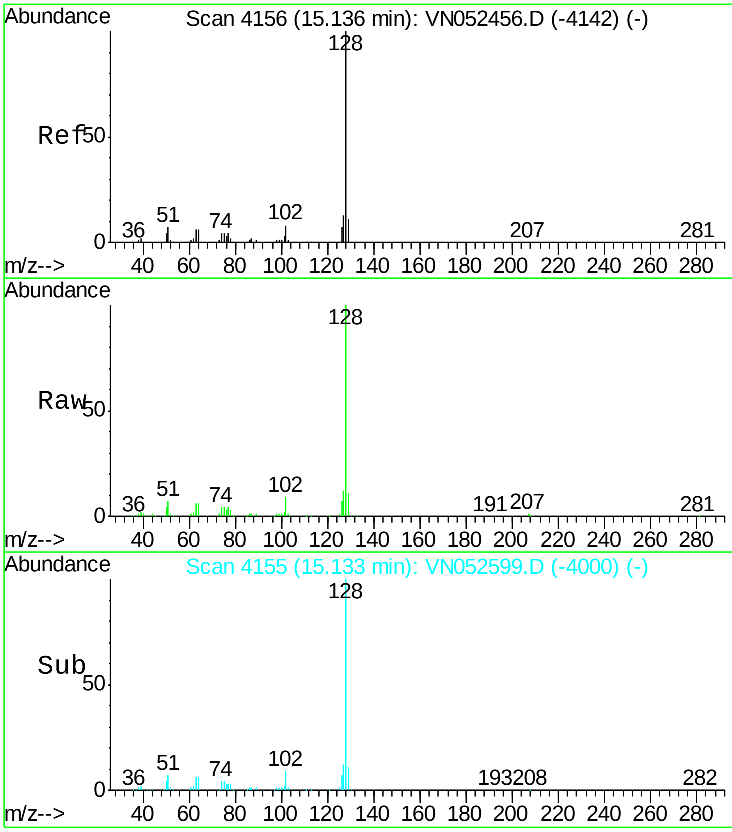


#90
Hexachlorobutadiene
Concen: 20.459 ug/l
RT: 15.01 min   Scan# 4117
Delta R.T.   -0.00 min
Lab File: VN052599.D
Acq: 30 Nov 2018   11:48

Tgt Ion:225 Resp: 128305

Ion	Ratio	Lower	Upper
225	100		
223	61.9	0.0	125.6
227	62.4	0.0	127.8



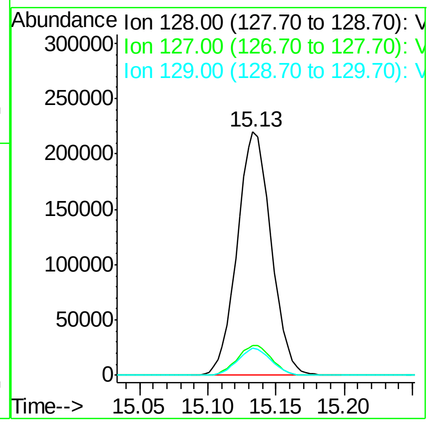


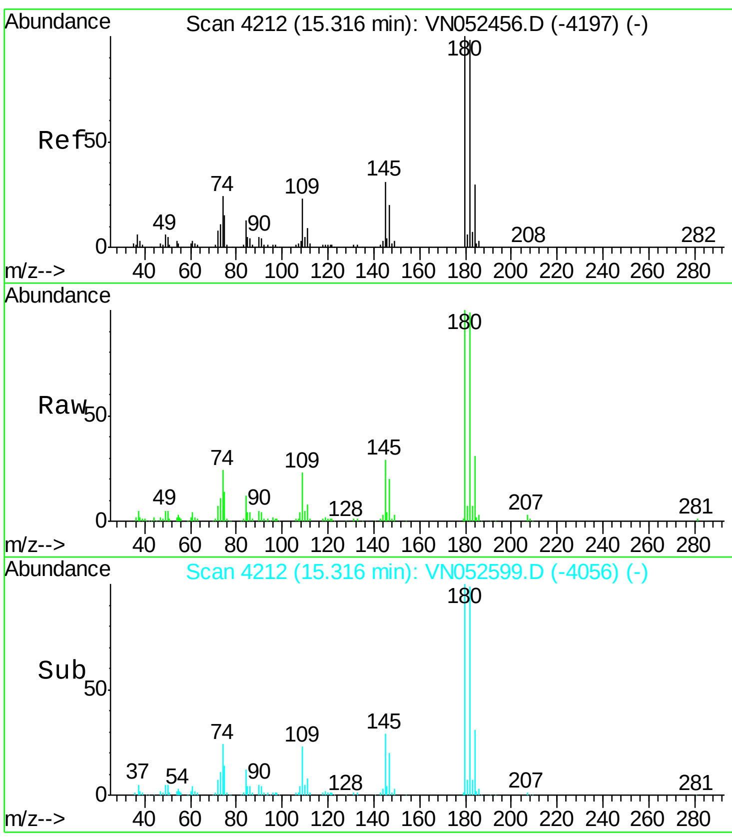
#91
Naphthalene
Concen: 19.748 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN052599.D
Acq: 30 Nov 2018 11:48

Tgt	Ion:128	Resp:	381257
Ion	Ratio	Lower	Upper
128	100		
127	12.6	9.9	14.9
129	11.0	8.5	12.7

Instrument :
MSVOA_N
ClientSampleId :
VN1130WBSD01

Manual Integrations APPROVED
MMDadoda
12/3/2018 10:49:28 AM





#92
1,2,3-Trichlorobenzene
Concen: 20.072 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN052599.D
Acq: 30 Nov 2018 11:48

Tgt	Ion:180	Resp:	176843
Ion	Ratio	Lower	Upper
180	100		
182	96.3	0.0	196.2
145	29.9	0.0	62.2