Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV101618\
Data File : VV008321.D
Acq On : 17 Oct 2018 03:12
Operator : SY/MD
Sample : J5463-08
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0JB9

Manual Integrations APPROVED
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Quant Time: Oct 17 07:12:29 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR101518WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Oct 17 05:02:19 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.69	114	79810m	5.00	ug/L	0.02
28) Chlorobenzene-d5	8.91	117	79670	5.00	ug/L	0.01
60) 1,4-Dichlorobenzene-d4	11.30	152	39180	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.32	65	24505	5.43	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 108.60%			
7) Chloroethane-d5	1.58	69	15575	4.38	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 87.60%			
11) 1,1-Dichloroethene-d2	2.14	63	58451	6.75	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 135.00%#			
20) 2-Butanone-d5	4.00	46	72798	48.12	ug/L	0.02
Spiked Amount 50.000	Range 40 - 130		Recovery = 96.24%			
24) Chloroform-d	4.43	84	49923	4.95	ug/L	0.02
Spiked Amount 5.000	Range 70 - 125		Recovery = 99.00%			
26) 1,2-Dichloroethane-d4	5.11	65	25013	4.89	ug/L	0.02
Spiked Amount 5.000	Range 70 - 130		Recovery = 97.80%			
32) Benzene-d6	5.16	84	95025m	4.06	ug/L	0.06
Spiked Amount 5.000	Range 70 - 125		Recovery = 81.20%			
36) 1,2-Dichloropropane-d6	5.99	67	760043m	98.69	ug/L	-0.13
Spiked Amount 5.000	Range 60 - 140		Recovery = 1973.80%#			
41) Toluene-d8	7.39	98	87209	4.11	ug/L	0.03
Spiked Amount 5.000	Range 70 - 130		Recovery = 82.20%			
43) trans-1,3-Dichloropropene-	7.69	79	13182	4.13	ug/L	0.02
Spiked Amount 5.000	Range 55 - 130		Recovery = 82.60%			
46) 2-Hexanone-d5	8.15	63	64662	57.73	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 115.46%			
57) 1,1,2,2-Tetrachloroethane-	10.27	84	26203	5.12	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 102.40%			
64) 1,2-Dichlorobenzene-d4	11.68	152	31675	4.26	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 85.20%			
Target Compounds						Qvalue
5) Vinyl chloride	1.32	62	472210	79.520	ug/L	99
12) 1,1-Dichloroethene	2.15	96	43225	11.274	ug/L	84
13) Acetone	2.21	43	5511	6.733	ug/L	88
14) Carbon disulfide	2.33	76	4327	0.328	ug/L #	86
16) Methylene chloride	2.55	84	1493	0.336	ug/L	78
18) trans-1,2-Dichloroethene	2.80	96	124018	30.065	ug/L	95
19) 1,1-Dichloroethane	3.24	63	78342	9.193	ug/L	96
22) cis-1,2-Dichloroethene	3.99	96	26383351	3961.500	ug/L #	91
25) Chloroform	4.45	83	168774	16.157	ug/L	98
29) 1,1,1-Trichloroethane	4.70	97	63451	6.395	ug/L	98
31) Carbon tetrachloride	4.94	117	3306m	0.396	ug/L	
33) Benzene	5.23	78	12066m	0.449	ug/L	
34) Trichloroethene	5.99	95	164898200m	22163.836	ug/L	
42) Toluene	7.46	91	6175671	220.679	ug/L	98
45) 1,1,2-Trichloroethane	7.90	97	168340	37.434	ug/L	97
47) Tetrachloroethene	8.04	164	1278999	274.379	ug/L	97
52) Ethylbenzene	9.07	91	598448	19.448	ug/L	99

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ALS Vial : 38 Sample Multiplier: 1

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Quant Time: Oct 17 07:12:29 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR101518WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Oct 17 05:02:19 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
53) m,p-xylene	9.19	106	475501	42.722	ug/L	98
54) o-xylene	9.60	106	245388	22.129	ug/L	99
56) Isopropylbenzene	9.98	105	28978	0.992	ug/L	97
65) 1,2-Dichlorobenzene	11.70	146	2890	0.227	ug/L	92

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

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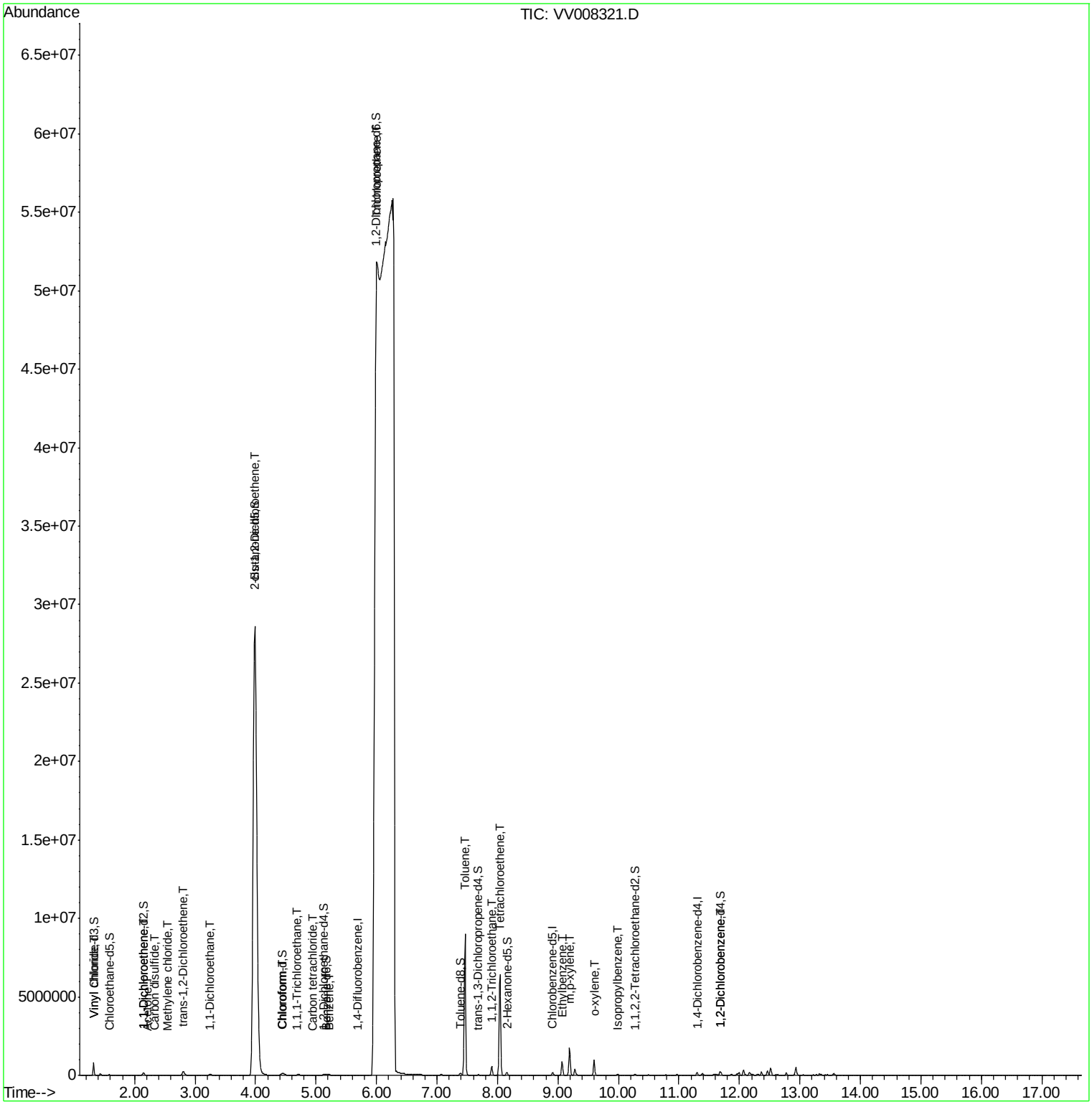
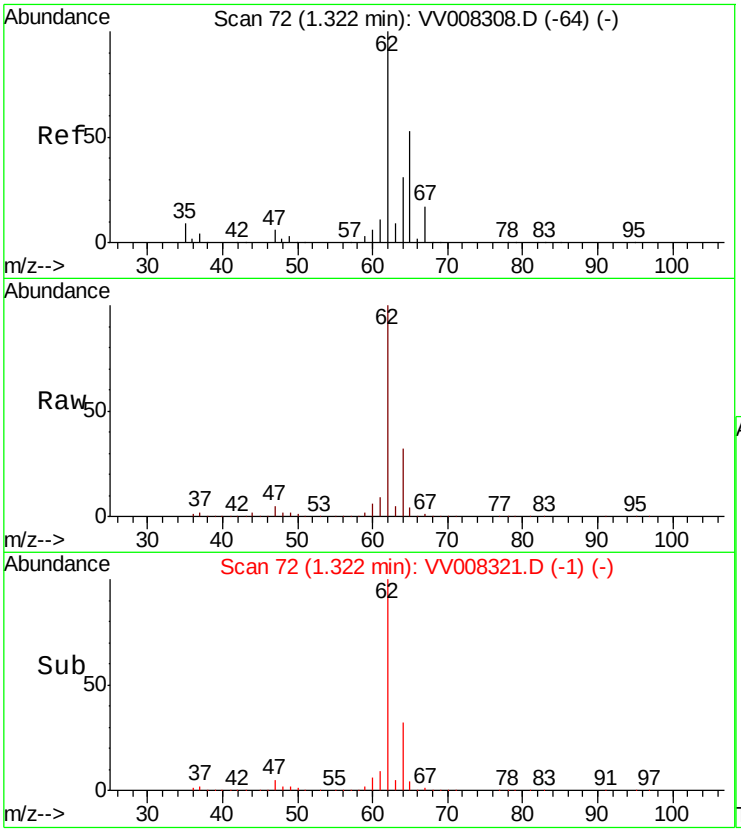
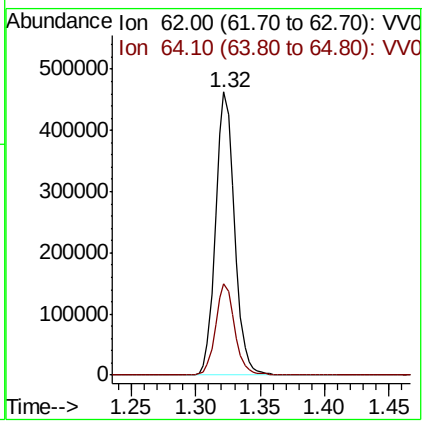




#5
Vinyl chloride
Concen: 79.520 ug/L
RT: 1.32 min Scan# 72
Delta R.T. 0.00 min
Lab File: VV008321.D
Acq: 17 Oct 2018 03:12

Tgt Ion: 62 Resp: 472210

Ion	Ratio	Lower	Upper
62	100		
64	32.2	22.9	42.5



Instrument :
MSVOA_V
ClientSampleId :
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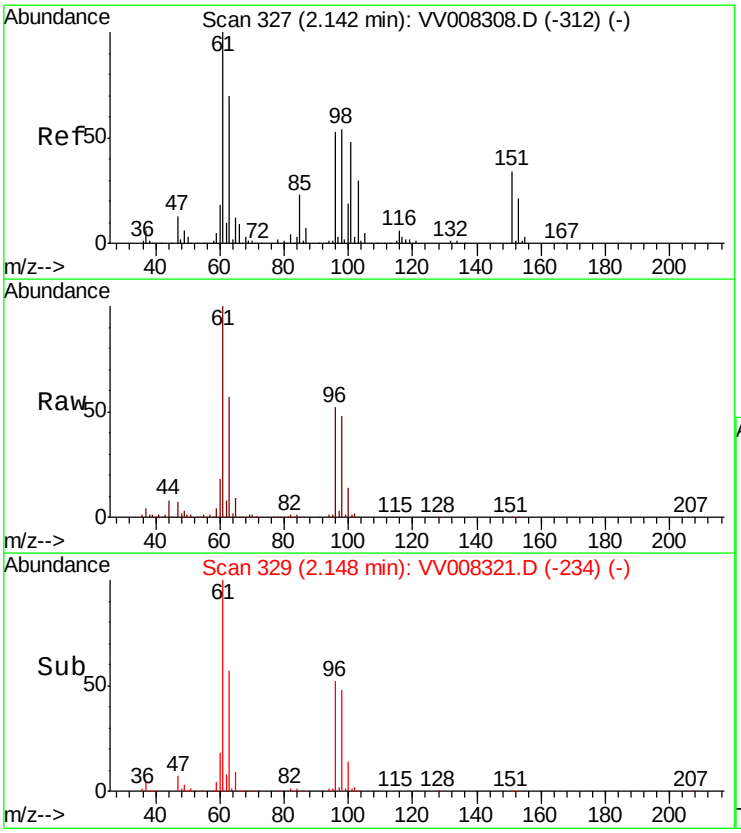
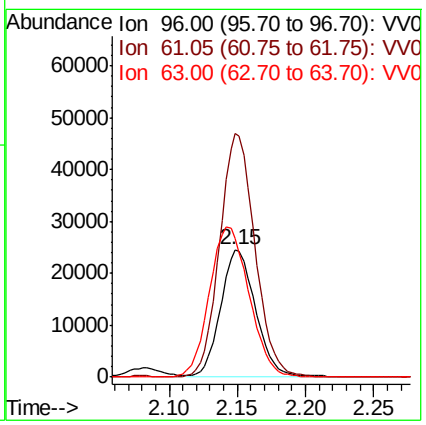
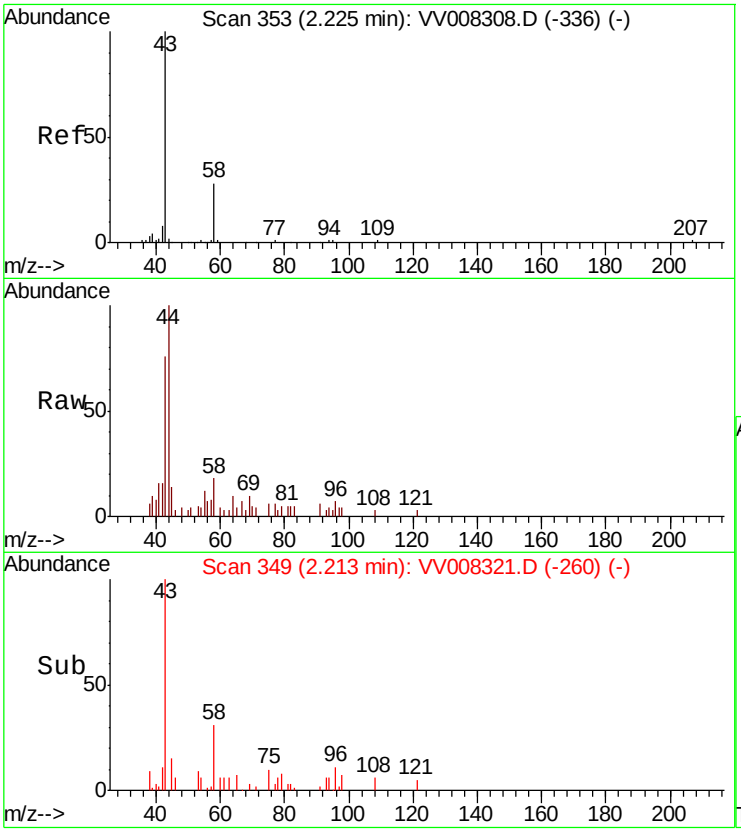


#12
1,1-Dichloroethene
Concen: 11.274 ug/L
RT: 2.15 min Scan# 329
Delta R.T. 0.01 min
Lab File: VV008321.D
Acq: 17 Oct 2018 03:12

Tgt Ion: 96 Resp: 43225

Ion	Ratio	Lower	Upper
96	100		
61	191.2	129.9	241.3
63	109.3	103.0	191.4





#13
Acetone
Concen: 6.733 ug/L
RT: 2.21 min Scan# 349
Delta R.T. -0.01 min
Lab File: VV008321.D
Acq: 17 Oct 2018 03:12

Tgt Ion: 43 Resp: 5511

Ion	Ratio	Lower	Upper
43	100		
58	37.8	0.0	62.0

Instrument :
MSVOA_V
ClientSampleId :
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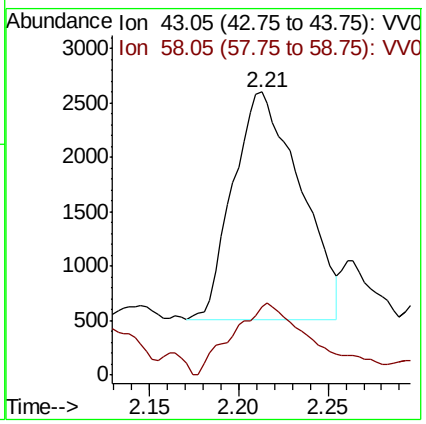
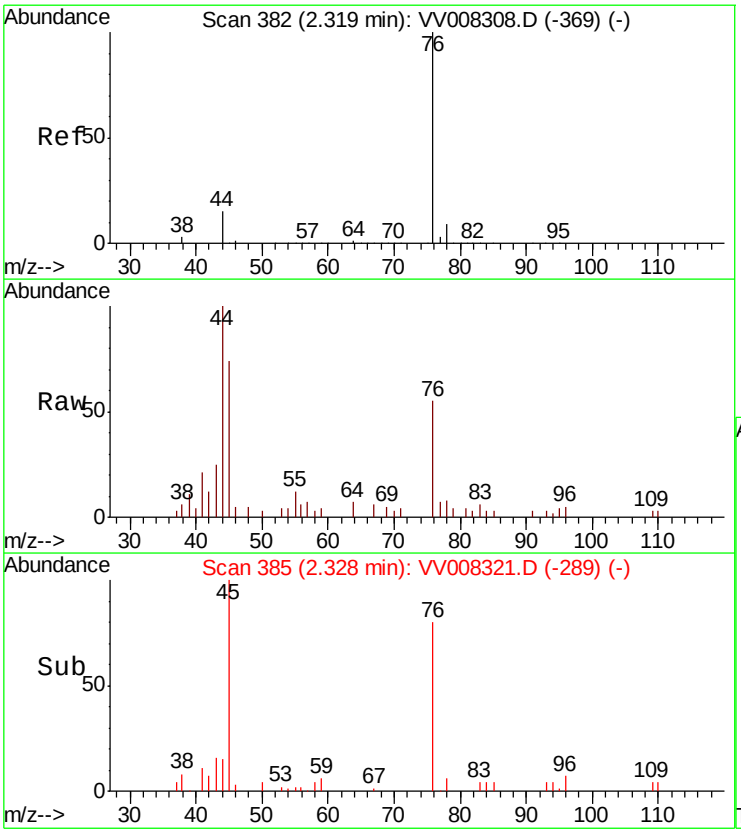
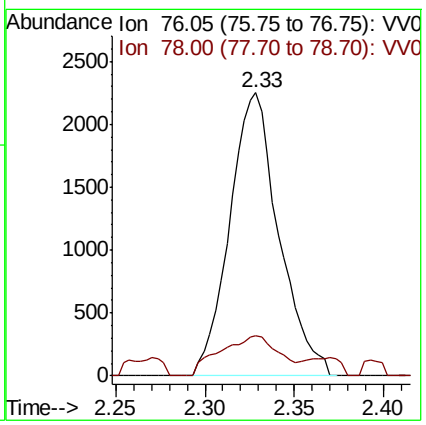


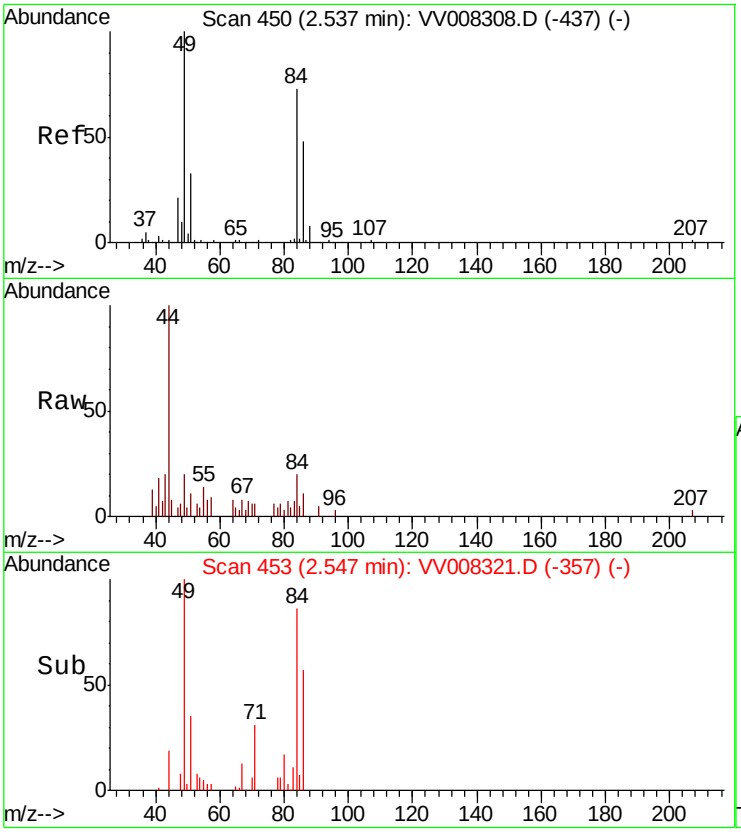


#14
Carbon disulfide
Concen: 0.328 ug/L
RT: 2.33 min Scan# 385
Delta R.T. 0.01 min
Lab File: VV008321.D
Acq: 17 Oct 2018 03:12

Tgt Ion: 76 Resp: 4327

Ion	Ratio	Lower	Upper
76	100		
78	14.4	7.4	11.2#

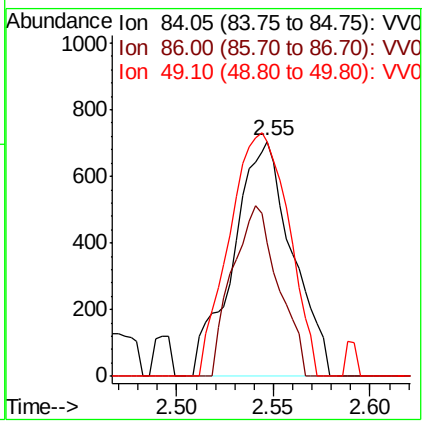




#16
Methylene chloride
Concen: 0.336 ug/L
RT: 2.55 min Scan# 453
Delta R.T. 0.01 min
Lab File: VV008321.D
Acq: 17 Oct 2018 03:12

Tgt Ion: 84 Resp: 1493

Ion	Ratio	Lower	Upper
84	100		
86	56.6	45.0	83.6
49	99.7	92.9	172.5



Instrument :
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ClientSampleId :
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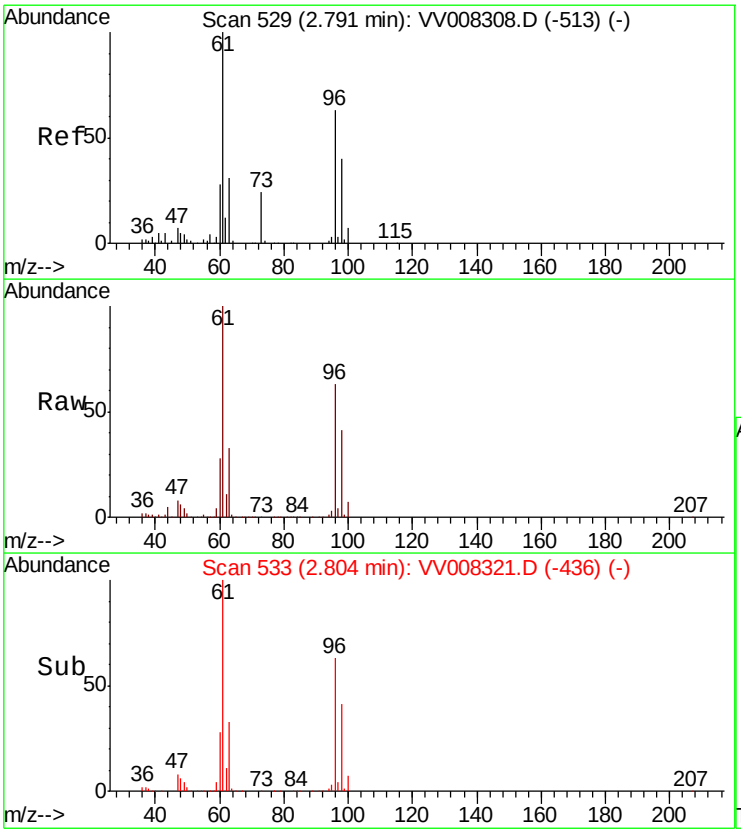
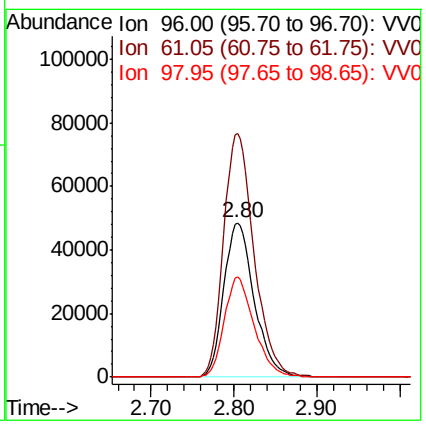
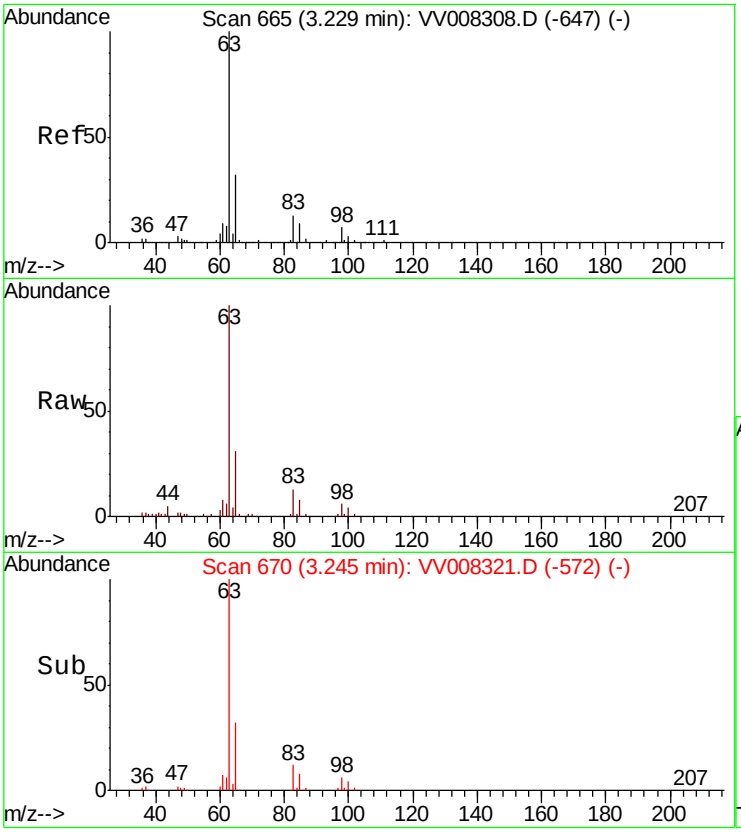


#18
trans-1,2-Dichloroethene
Concen: 30.065 ug/L
RT: 2.80 min Scan# 533
Delta R.T. 0.01 min
Lab File: VV008321.D
Acq: 17 Oct 2018 03:12

Tgt Ion: 96 Resp: 124018

Ion	Ratio	Lower	Upper
96	100		
61	157.7	104.6	194.2
98	65.3	44.1	81.9

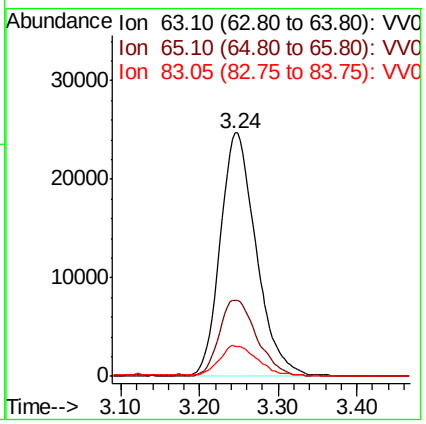




#19
1,1-Dichloroethane
Concen: 9.193 ug/L
RT: 3.24 min Scan# 670
Delta R.T. 0.02 min
Lab File: VV008321.D
Acq: 17 Oct 2018 03:12

Tgt Ion: 63 Resp: 78342

Ion	Ratio	Lower	Upper
63	100		
65	31.4	22.6	42.0
83	12.5	11.0	20.4



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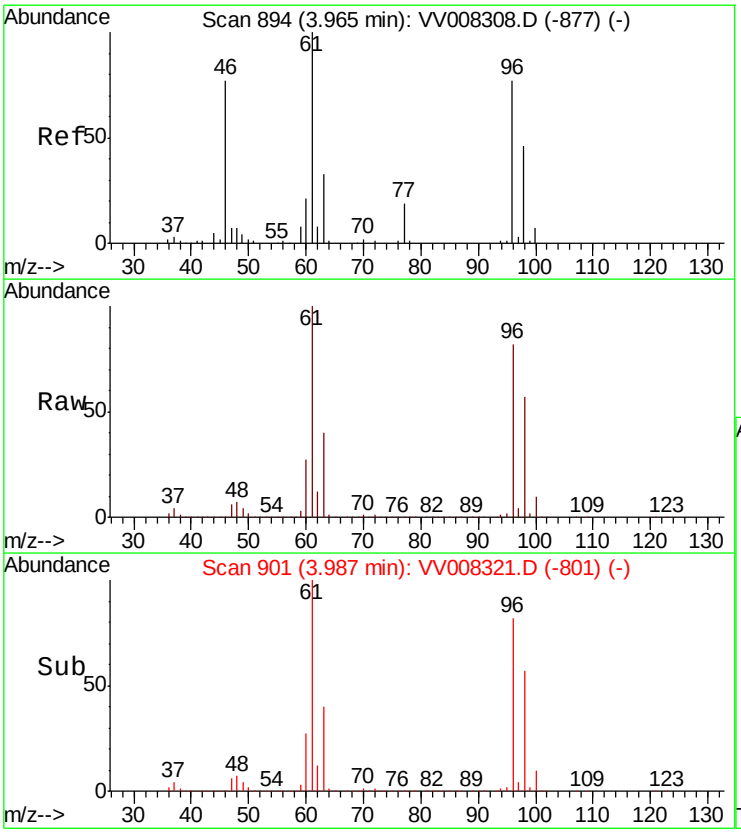
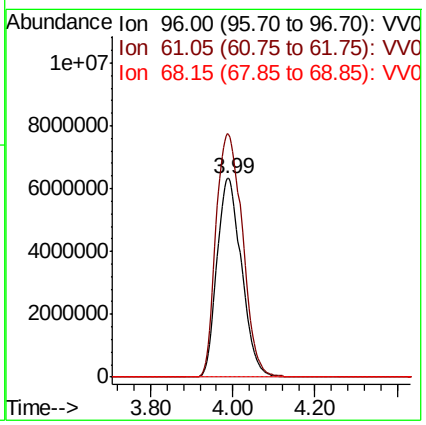
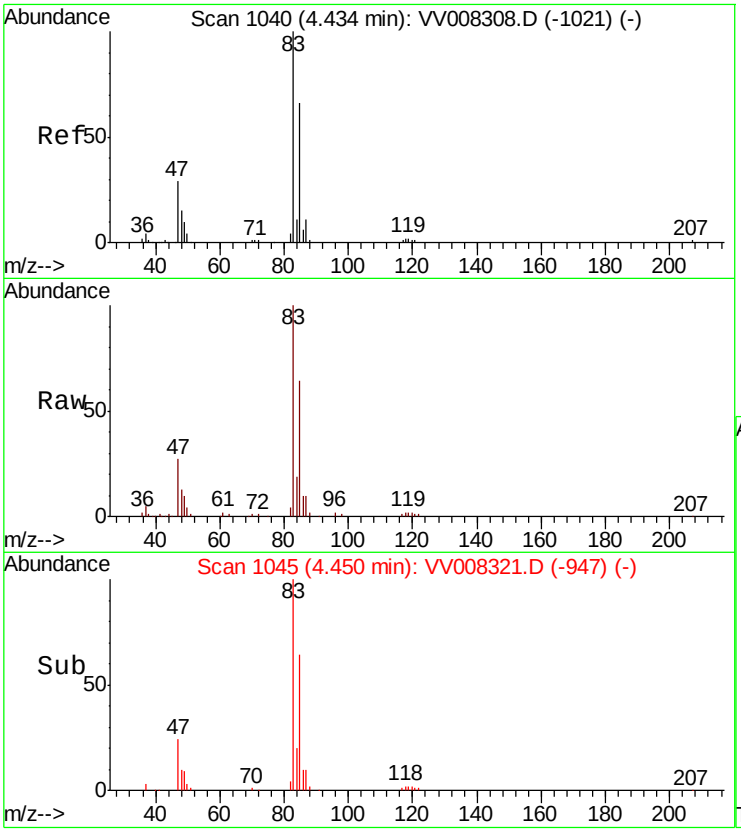


#22
cis-1,2-Dichloroethene
Concen: 3961.500 ug/L
RT: 3.99 min Scan# 901
Delta R.T. 0.02 min
Lab File: VV008321.D
Acq: 17 Oct 2018 03:12

Tgt Ion: 96 Resp:26383351

Ion	Ratio	Lower	Upper
96	100		
61	122.6	93.7	174.1
68	0.0	0.6	1.2#

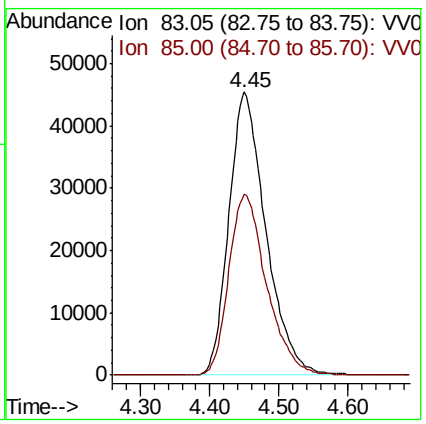




#25
Chloroform
Concen: 16.157 ug/L
RT: 4.45 min Scan# 1045
Delta R.T. 0.02 min
Lab File: VV008321.D
Acq: 17 Oct 2018 03:12

Tgt Ion: 83 Resp: 168774

Ion	Ratio	Lower	Upper
83	100		
85	63.9	43.4	80.6



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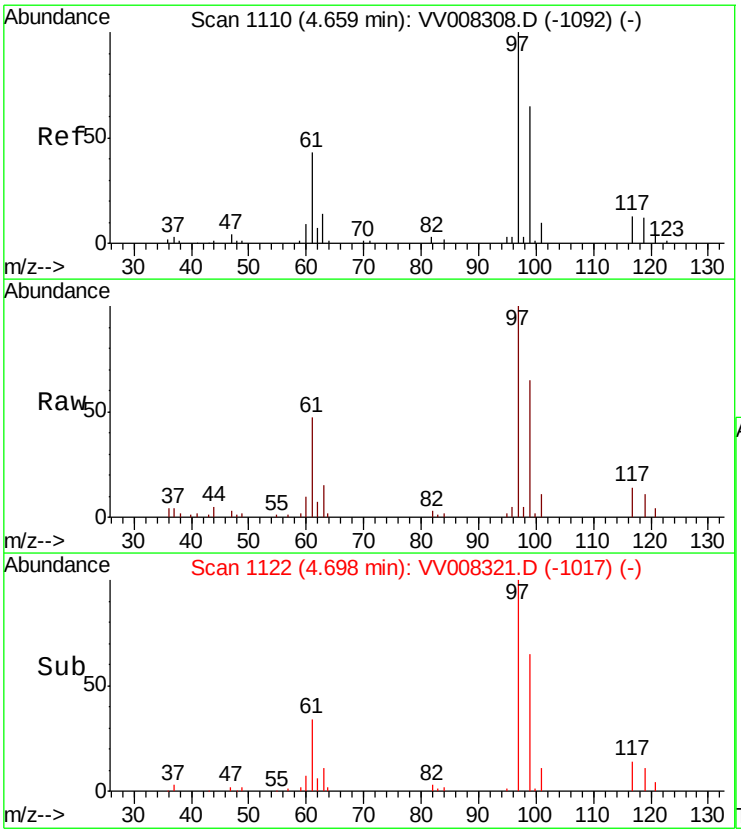
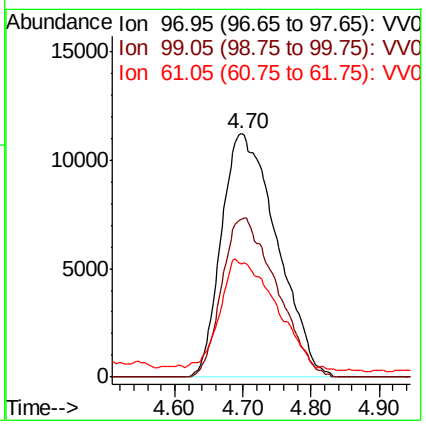
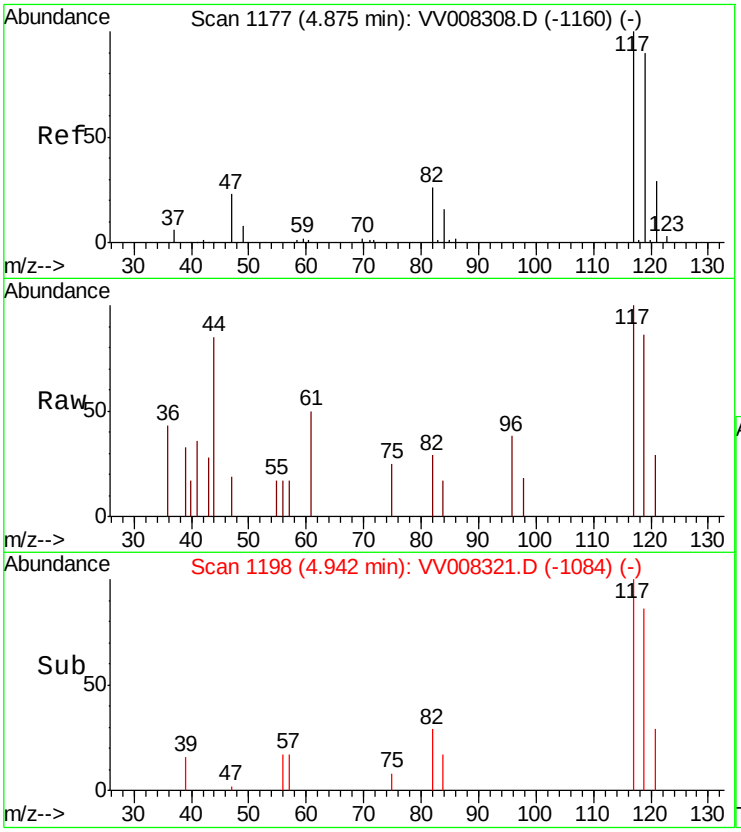


#29
1,1,1-Trichloroethane
Concen: 6.395 ug/L
RT: 4.70 min Scan# 1122
Delta R.T. 0.04 min
Lab File: VV008321.D
Acq: 17 Oct 2018 03:12

Tgt Ion: 97 Resp: 63451

Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.6	77.4
61	43.3	37.0	55.6





#31
Carbon tetrachloride
Concen: 0.396 ug/L m
RT: 4.94 min Scan# 1198
Delta R.T. 0.07 min
Lab File: VV008321.D
Acq: 17 Oct 2018 03:12

Tgt Ion:117 Resp: 3306

Ion	Ratio	Lower	Upper
117	100		
119	44.1	75.5	113.3#

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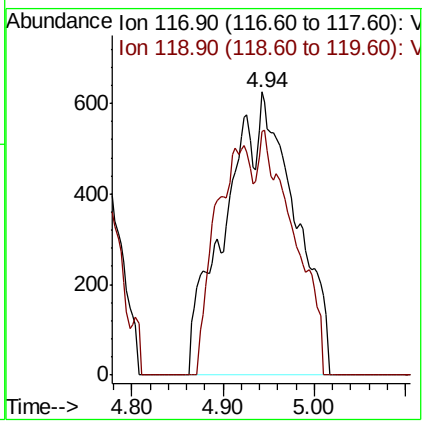
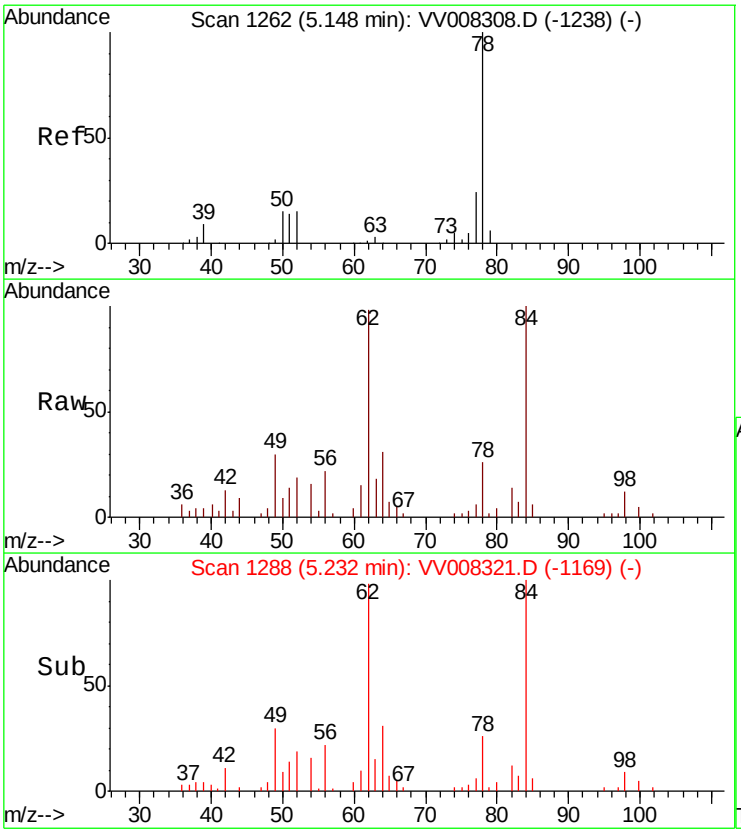
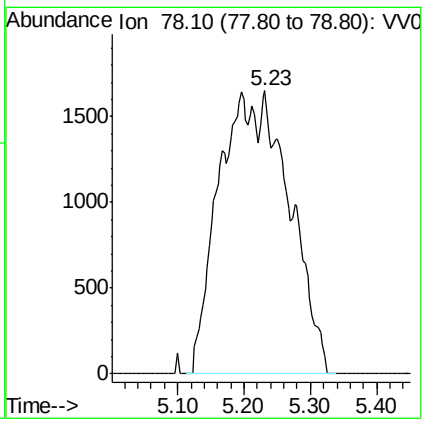
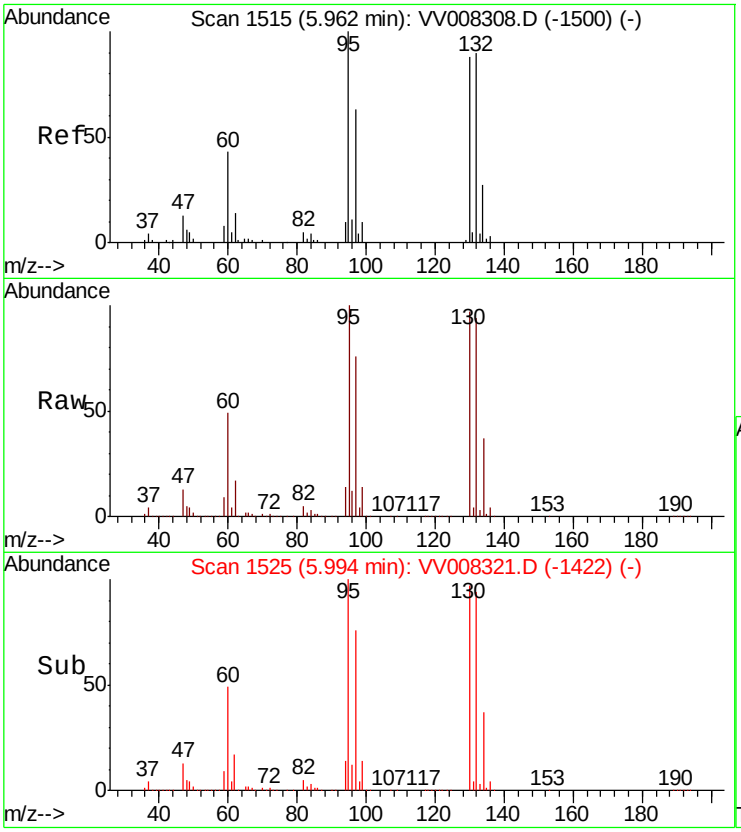




#33
Benzene
Concen: 0.449 ug/L m
RT: 5.23 min Scan# 1288
Delta R.T. 0.08 min
Lab File: VV008321.D
Acq: 17 Oct 2018 03:12

Tgt Ion: 78 Resp: 12066

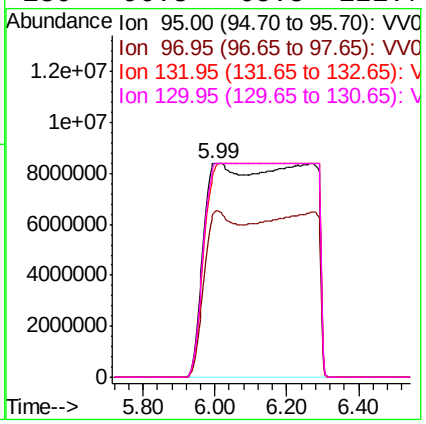




#34
Trichloroethene
Concen: 22163.836 ug/L m
RT: 5.99 min Scan# 1525
Delta R.T. 0.03 min
Lab File: VV008321.D
Acq: 17 Oct 2018 03:12

Tgt Ion: 95 Resp:16489820

Ion	Ratio	Lower	Upper
95	100		
97	75.6	44.4	82.4
132	93.8	60.4	112.2
130	96.8	65.5	121.7



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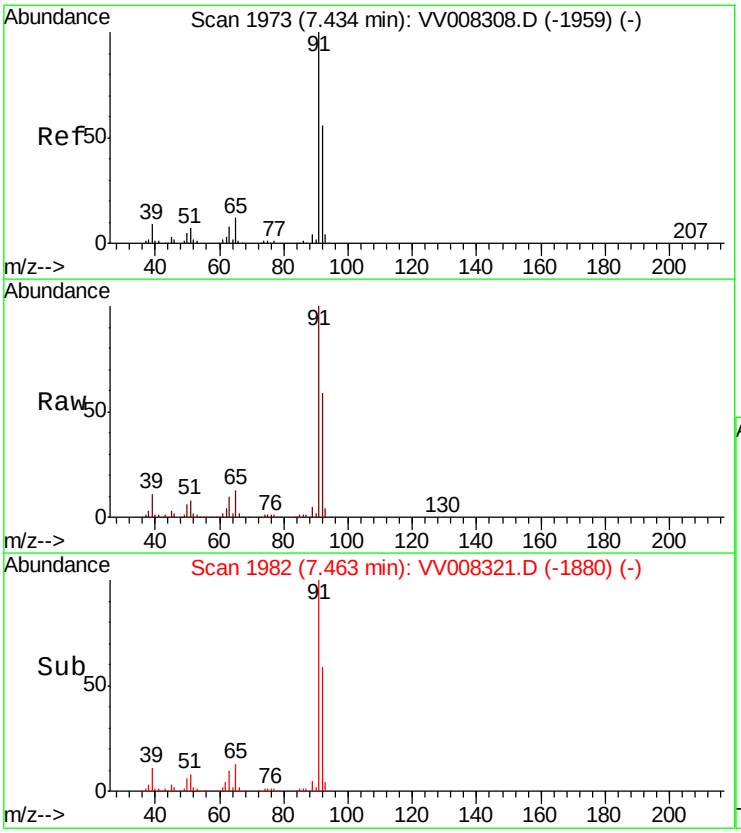
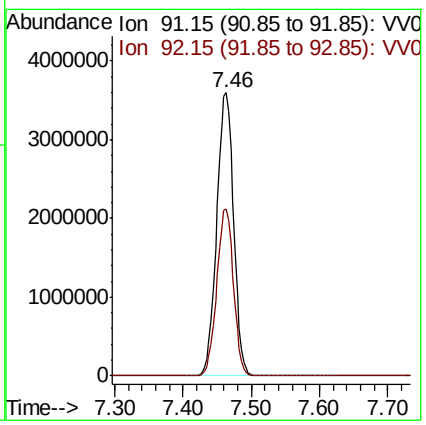
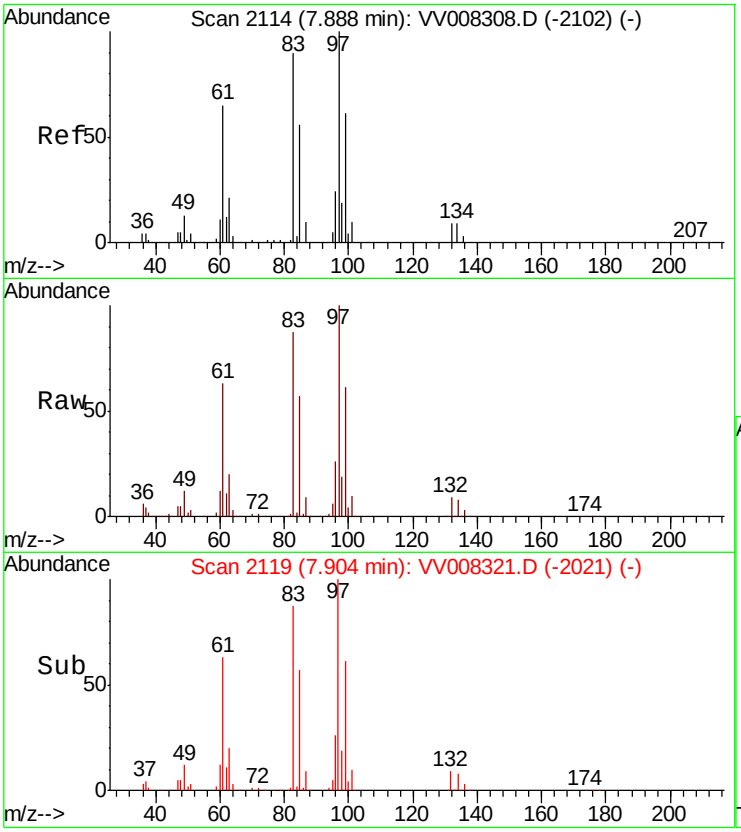


#42
Toluene
Concen: 220.679 ug/L
RT: 7.46 min Scan# 1982
Delta R.T. 0.03 min
Lab File: VV008321.D
Acq: 17 Oct 2018 03:12

Tgt Ion: 91 Resp: 6175671

Ion	Ratio	Lower	Upper
91	100		
92	59.1	40.1	74.5

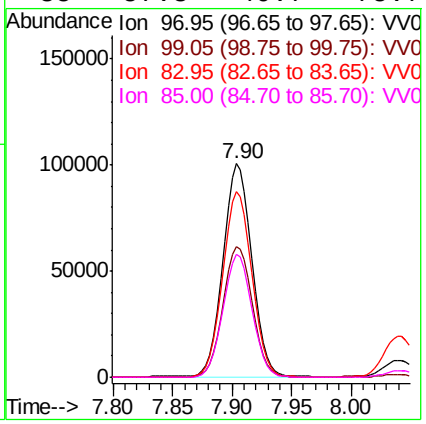




#45
1,1,2-Trichloroethane
Concen: 37.434 ug/L
RT: 7.90 min Scan# 2119
Delta R.T. 0.02 min
Lab File: VV008321.D
Acq: 17 Oct 2018 03:12

Tgt Ion: 97 Resp: 168340

Ion	Ratio	Lower	Upper
97	100		
99	60.9	44.1	81.9
83	87.1	63.7	118.3
85	57.3	40.7	75.7



Instrument :
MSVOA_V
ClientSampleId :
C0JB9

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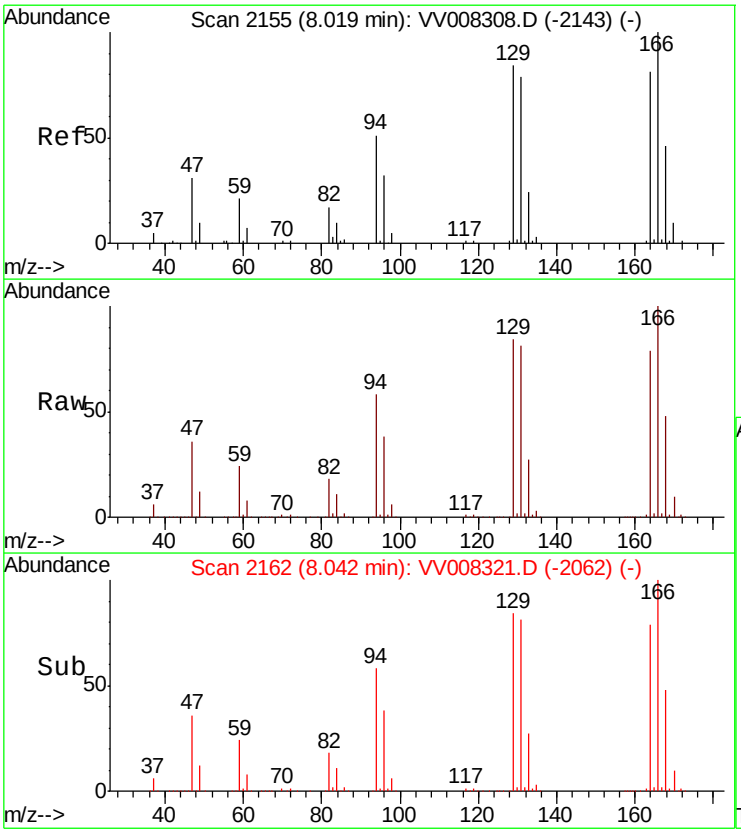
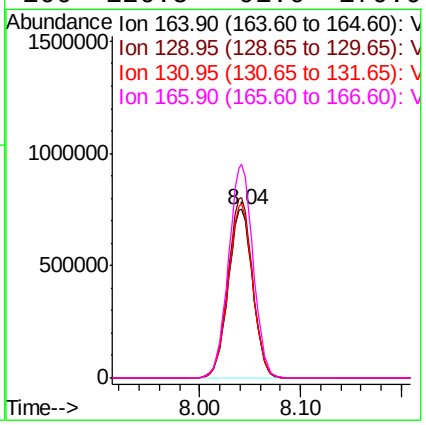
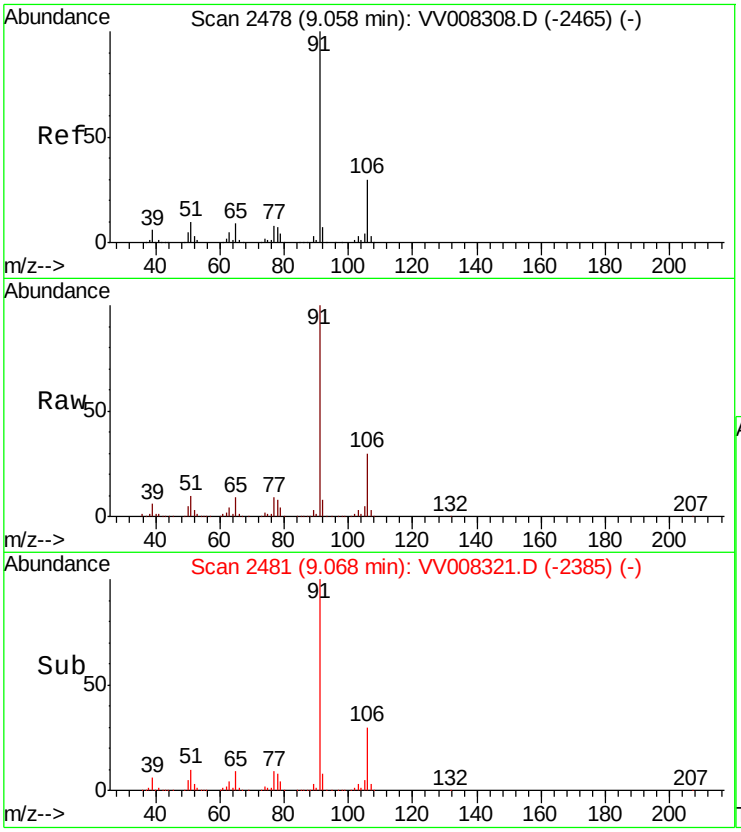


#47
Tetrachloroethene
Concen: 274.379 ug/L
RT: 8.04 min Scan# 2162
Delta R.T. 0.02 min
Lab File: VV008321.D
Acq: 17 Oct 2018 03:12

Tgt Ion:164 Resp: 1278999

Ion	Ratio	Lower	Upper
164	100		
129	106.7	76.5	142.1
131	102.8	74.7	138.7
166	126.5	91.6	170.0

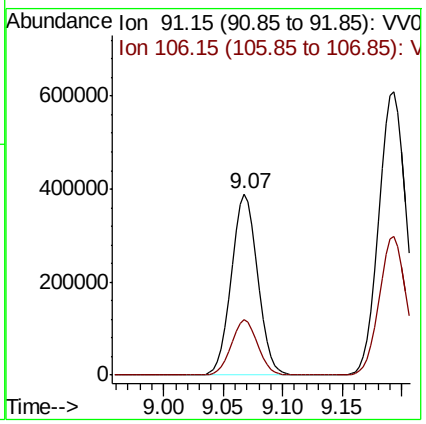




#52
Ethylbenzene
Concen: 19.448 ug/L
RT: 9.07 min Scan# 2481
Delta R.T. 0.01 min
Lab File: VV008321.D
Acq: 17 Oct 2018 03:12

Tgt Ion: 91 Resp: 598448

Ion	Ratio	Lower	Upper
91	100		
106	30.5	21.6	40.2



Instrument :
MSVOA_V
ClientSampleId :
C0JB9

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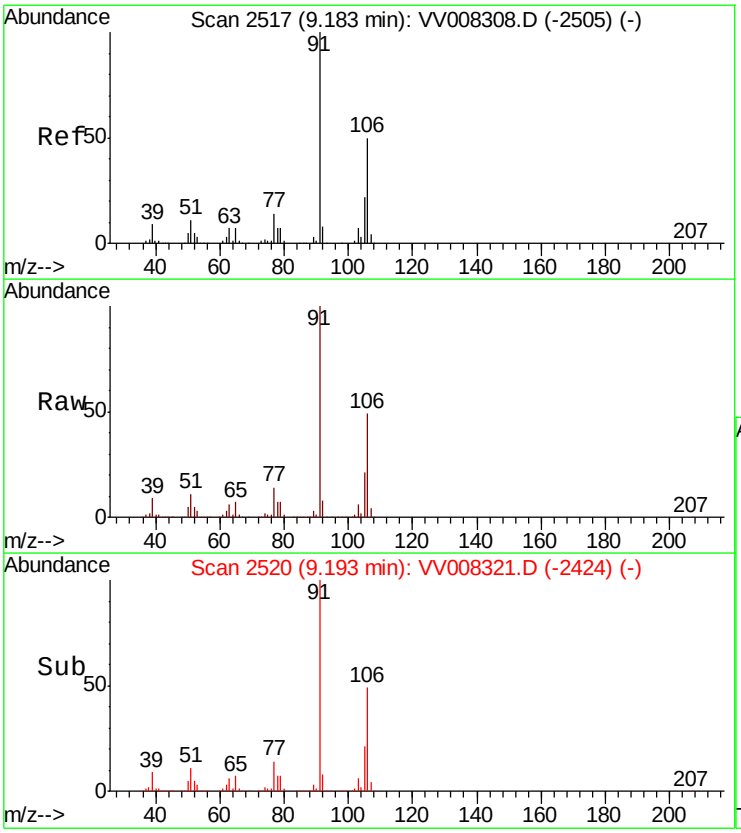
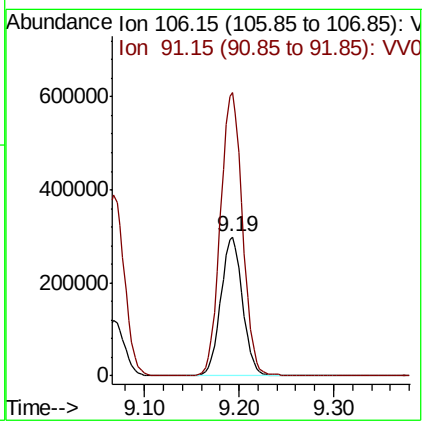
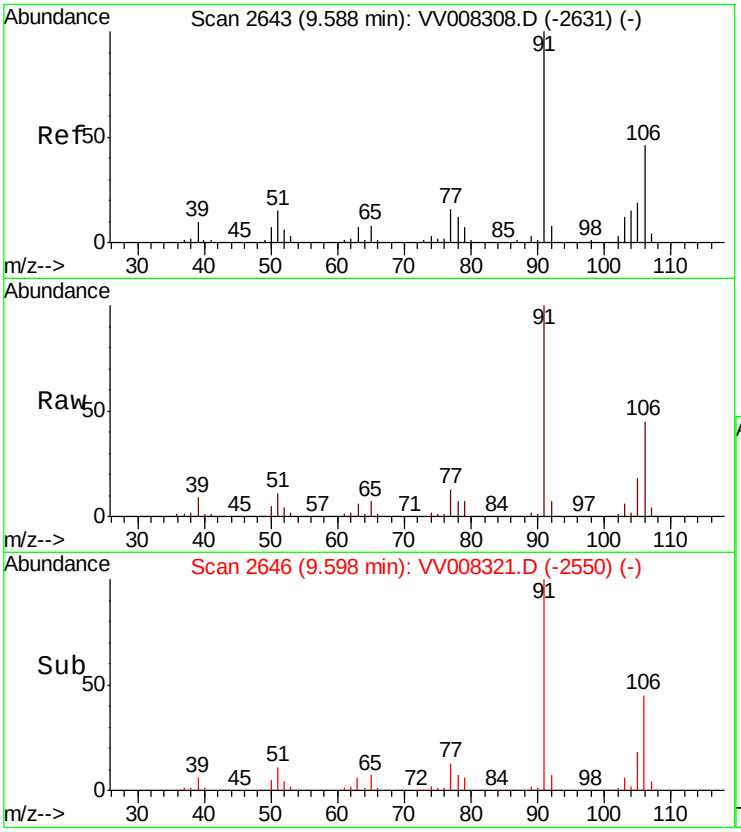


#53
m,p-xylene
Concen: 42.722 ug/L
RT: 9.19 min Scan# 2520
Delta R.T. 0.01 min
Lab File: VV008321.D
Acq: 17 Oct 2018 03:12

Tgt Ion:106 Resp: 475501

Ion	Ratio	Lower	Upper
106	100		
91	203.9	145.2	269.6

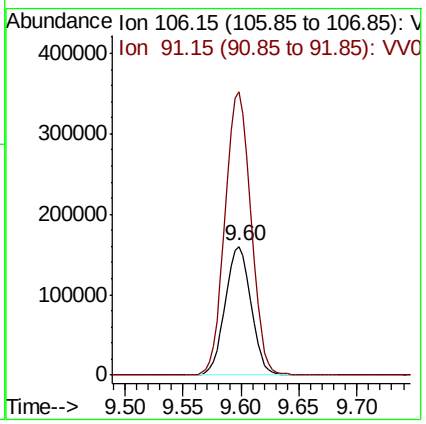




#54
o-xylene
Concen: 22.129 ug/L
RT: 9.60 min Scan# 2646
Delta R.T. 0.01 min
Lab File: VV008321.D
Acq: 17 Oct 2018 03:12

Tgt Ion:106 Resp: 245388

Ion	Ratio	Lower	Upper
106	100		
91	219.9	153.2	284.4



Instrument :
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ClientSampleId :
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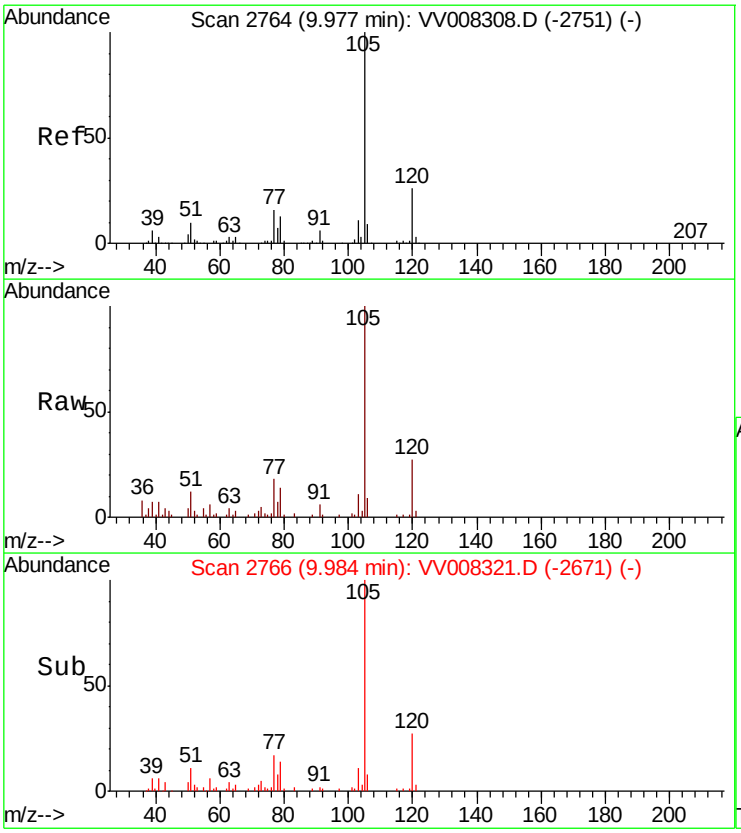
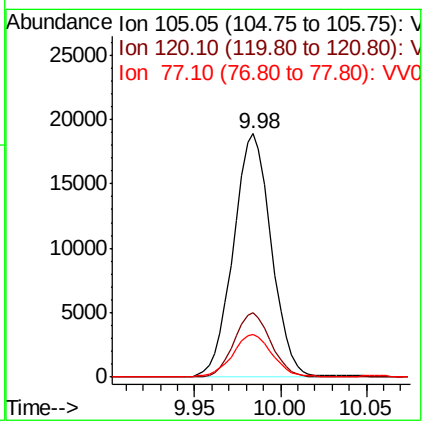
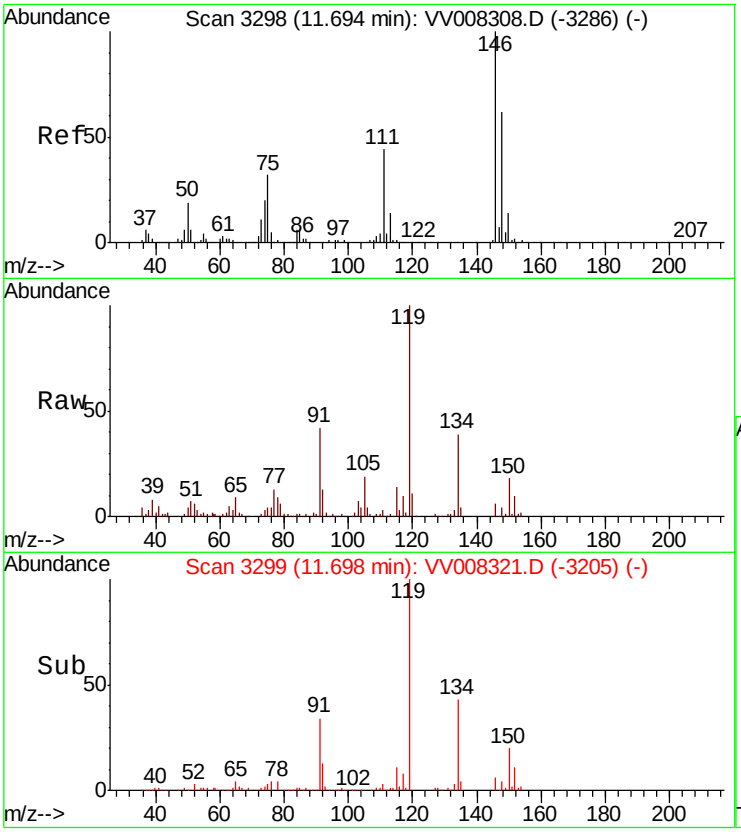


#56
Isopropylbenzene
Concen: 0.992 ug/L
RT: 9.98 min Scan# 2766
Delta R.T. 0.01 min
Lab File: VV008321.D
Acq: 17 Oct 2018 03:12

Tgt Ion:105 Resp: 28978

Ion	Ratio	Lower	Upper
105	100		
120	25.6	21.2	31.8
77	18.4	13.0	19.6

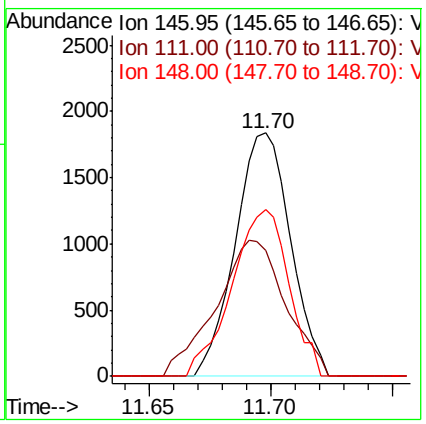




#65
1,2-Dichlorobenzene
Concen: 0.227 ug/L
RT: 11.70 min Scan# 3299
Delta R.T. 0.00 min
Lab File: VV008321.D
Acq: 17 Oct 2018 03:12

Tgt Ion:146 Resp: 2890

Ion	Ratio	Lower	Upper
146	100		
111	51.6	35.5	53.3
148	68.6	51.5	77.3



Instrument :
MSVOA_V
ClientSampleId :
C0JB9

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