Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV053019\

Quantitation Report (Not Reviewed)

Data File : VV011140.D
Acq On : 30 May 2019 16:43
Operator : SY/MD
Sample : K3081-06
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GALD6

Quant Time: May 31 01:46:51 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM053019S.M
Quant Title : VOC Analysis
QLast Update : Fri May 31 01:43:46 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	353867	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	328378	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	157040	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.32	65	112956	23.59	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 94.36%			
7) Chloroethane-d5	1.56	69	89002	24.18	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 96.72%			
10) 1,1-Dichloroethene-d2	2.12	63	232753	23.68	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 94.72%			
20) 2-Butanone-d5	3.93	46	85184	48.68	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 97.36%			
24) Chloroform-d	4.39	84	202472	23.41	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 93.64%			
26) 1,2-Dichloroethane-d4	5.08	65	134292	23.82	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 95.28%			
29) Benzene-d6	5.09	84	450850	25.28	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 101.12%			
33) 1,2-Dichloropropane-d6	6.11	67	142334	24.91	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 99.64%			
37) Toluene-d8	7.36	98	429970	25.55	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 102.20%			
38) trans-1,3-Dichloropropene-	7.66	79	64005	24.75	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 99.00%			
39) 2-Hexanone-d5	8.13	63	64195	49.43	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 98.86%			
48) 1,1,2,2-Tetrachloroethane-	10.26	84	128748	25.00	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 100.00%			
61) 1,2-Dichlorobenzene-d4	11.67	152	149762	25.49	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 101.96%			
Target Compounds						Qvalue
3) Chloromethane	1.25	50	114384	20.473	ug/L	100
6) Bromomethane	1.51	94	29577	9.850	ug/L	98
9) Trichlorofluoromethane	1.75	101	123333	15.389	ug/L	99
12) 1,1-Dichloroethene	2.13	96	88165	22.173	ug/L	96
13) Acetone	2.19	43	161214	79.191	ug/L	98
15) Methyl Acetate	2.45	43	106745	34.847	ug/L	100
16) Methylene chloride	2.53	84	56937	10.558	ug/L	97
17) Methyl tert-butyl Ether	2.80	73	408850	29.660	ug/L	99
18) trans-1,2-Dichloroethene	2.78	96	50046	10.333	ug/L	97
22) cis-1,2-Dichloroethene	3.96	96	134951	24.947	ug/L	98
23) Bromochloromethane	4.29	128	34122	14.335	ug/L	91
25) Chloroform	4.42	83	9389	0.938	ug/L #	1
27) 1,2-Dichloroethane	5.18	62	66838	9.533	ug/L	97
30) Cyclohexane	4.71	56	96127	10.947	ug/L	97
31) 1,1,1-Trichloroethane	4.65	97	79781	10.609	ug/L	99
32) Carbon tetrachloride	4.87	117	82785	12.985	ug/L	100
35) Trichloroethene	5.96	95	205724	40.304	ug/L	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV053019\

Quantitation Report (Not Reviewed)

Data File : VV011140.D
Acq On : 30 May 2019 16:43
Operator : SY/MD
Sample : K3081-06
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GALD6

Quant Time: May 31 01:46:51 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM053019S.M
Quant Title : VOC Analysis
QLast Update : Fri May 31 01:43:46 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) Methylcyclohexane	6.17	83	230740	26.713	ug/L	98
40) 1,2-Dichloropropane	6.22	63	66043	12.906	ug/L	100
41) Bromodichloromethane	6.55	83	132656	19.903	ug/L	98
42) cis-1,3-Dichloropropene	7.07	75	140391	17.257	ug/L	98
44) Toluene	7.43	91	448798	21.121	ug/L	99
45) trans-1,3-Dichloropropene	7.69	75	56610	8.153	ug/L	99
47) Tetrachloroethene	8.02	164	156019	41.247	ug/L	97
49) 2-Hexanone	8.18	43	155348	46.381	ug/L	99
50) Dibromochloromethane	8.29	129	86433	19.162	ug/L	98
53) Ethylbenzene	9.05	91	378973	15.543	ug/L	99
54) m,p-Xylene	9.18	106	92395	10.188	ug/L	99
55) o-xylene	9.59	106	113650	12.742	ug/L	97
57) Isopropylbenzene	9.97	105	308385	12.949	ug/L	100
59) 1,2,3-Trichloropropane	11.29	75	22744	5.546	ug/L	97
63) 1,3-Dichlorobenzene	11.22	146	209694	20.613	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	100314	10.415	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.48	75	17370	18.587	ug/L	96
67) 1,3,5-Trichlorobenzene	12.69	180	189522	24.924	ug/L	98

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

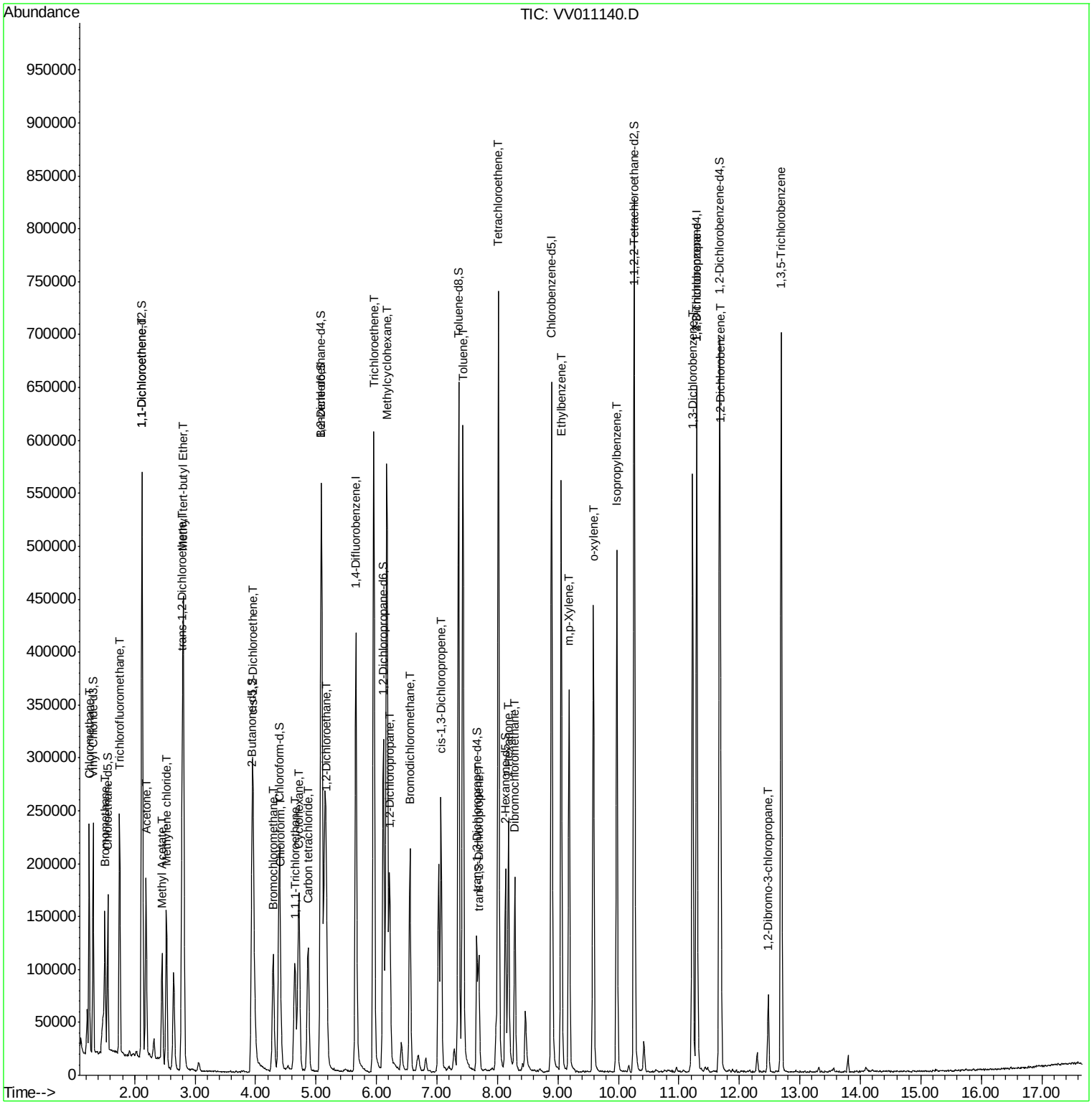
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV053019\

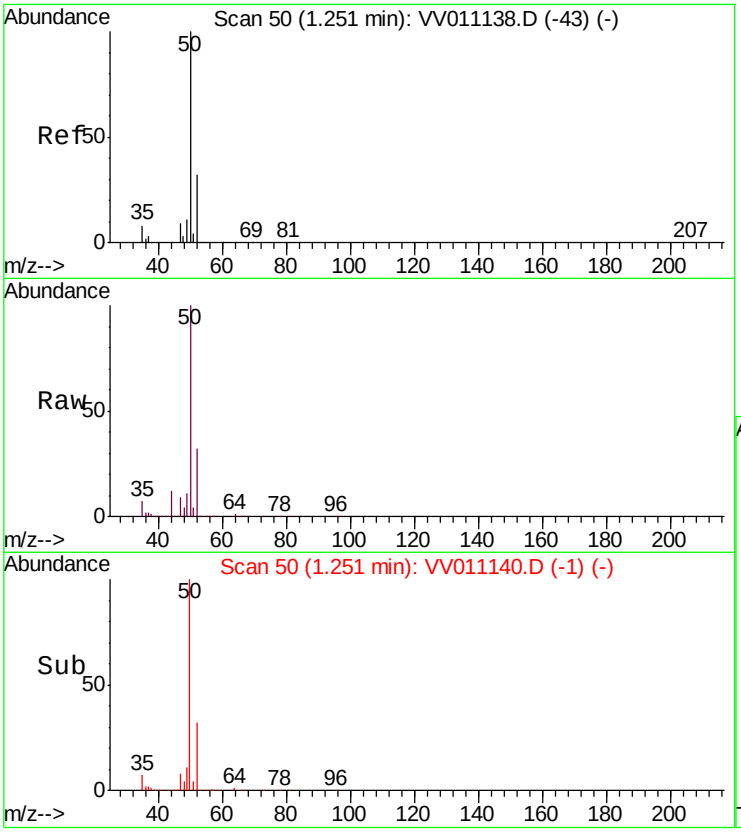
Quantitation Report (Not Reviewed)

Data File : VV011140.D
Acq On : 30 May 2019 16:43
Operator : SY/MD
Sample : K3081-06
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GALD6

Quant Time: May 31 01:46:51 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM053019S.M
Quant Title : VOC Analysis
QLast Update : Fri May 31 01:43:46 2019
Response via : Initial Calibration



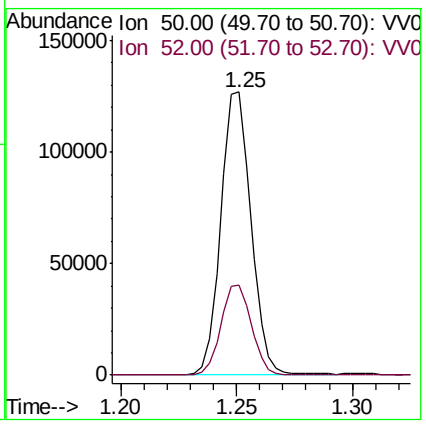


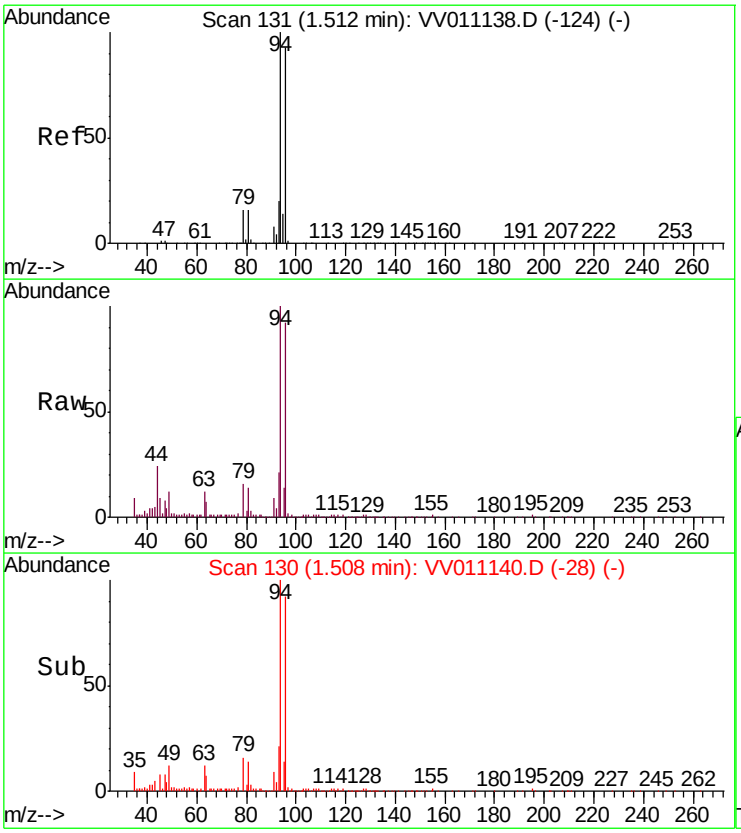
#3
Chloromethane
Concen: 20.473 ug/L
RT: 1.25 min Scan# 50
Delta R.T. -0.00 min
Lab File: VV011140.D
Acq: 30 May 2019 16:43

Instrument :
MSVOA_V
ClientSampleId :
GALD6

Tgt Ion: 50 Resp: 114384

Ion	Ratio	Lower	Upper
50	100		
52	32.1	22.5	41.9

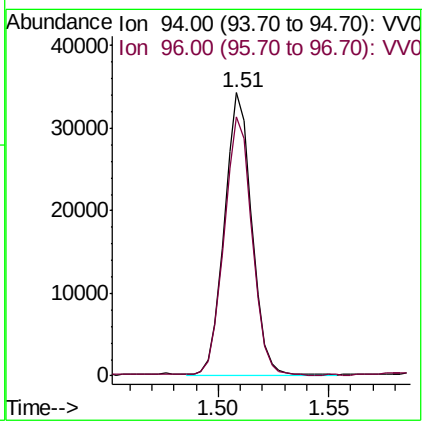


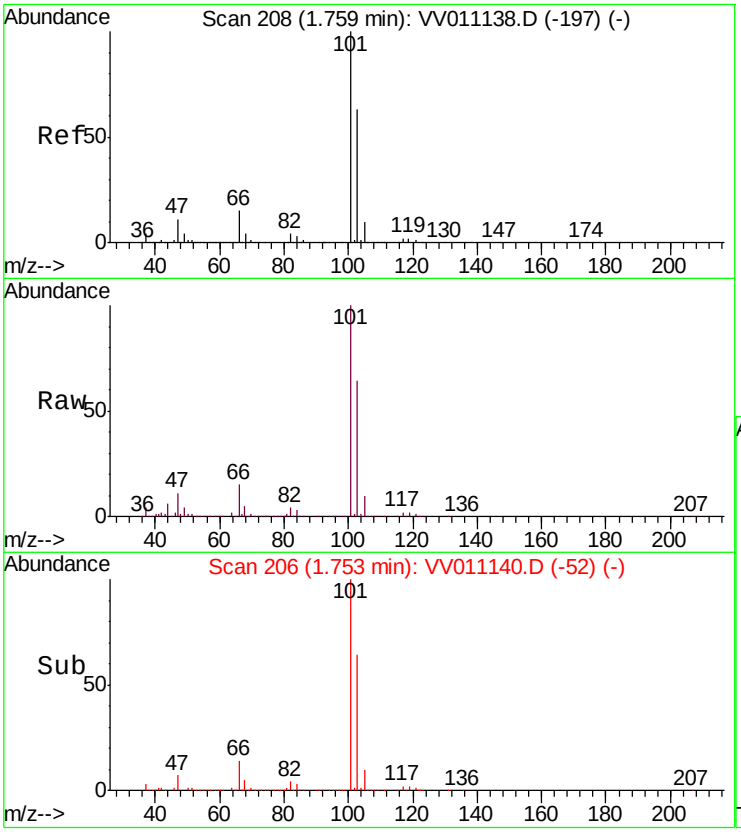


#6
Bromomethane
Concen: 9.850 ug/L
RT: 1.51 min Scan# 130
Delta R.T. -0.00 min
Lab File: VV011140.D
Acq: 30 May 2019 16:43

Tgt Ion: 94 Resp: 29577

Ion	Ratio	Lower	Upper
94	100		
96	92.5	9.4	179.5



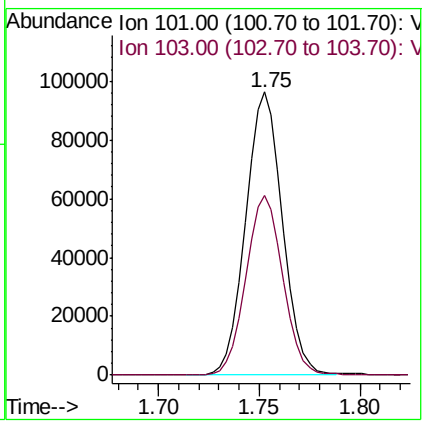


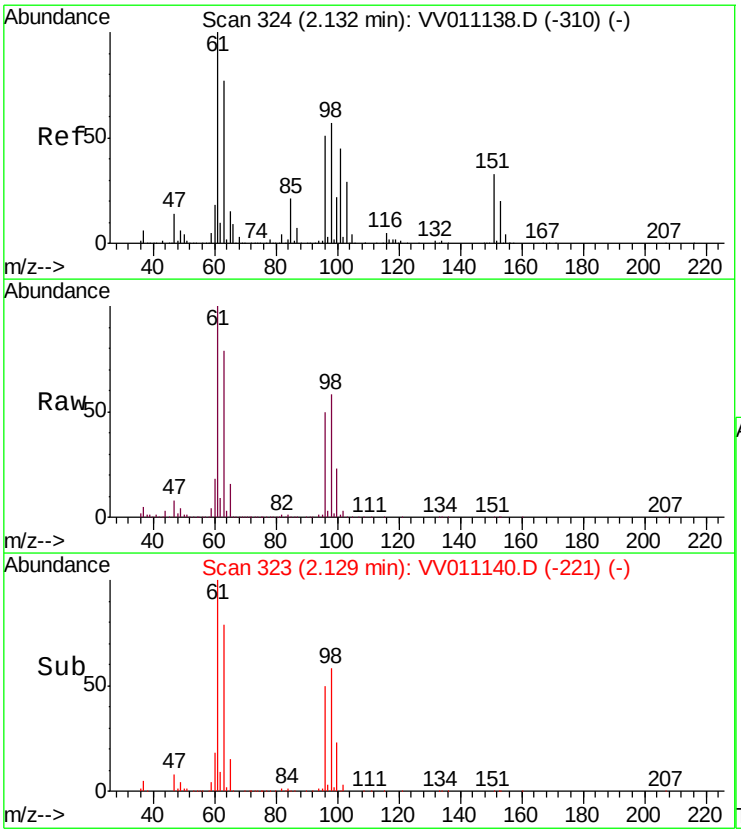
#9
Trichlorofluoromethane
Concen: 15.389 ug/L
RT: 1.75 min Scan# 206
Delta R.T. -0.01 min
Lab File: VV011140.D
Acq: 30 May 2019 16:43

Instrument :
MSVOA_V
ClientSampleId :
GALD6

Tgt Ion:101 Resp: 123333

Ion	Ratio	Lower	Upper
101	100		
103	63.9	44.4	82.4

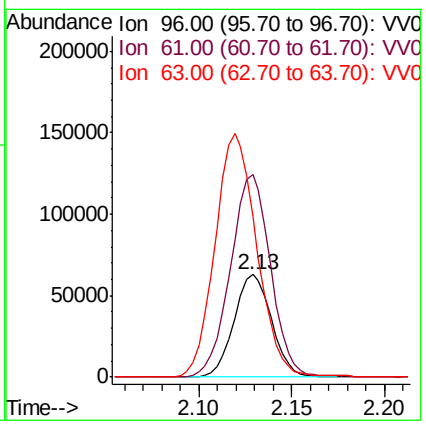


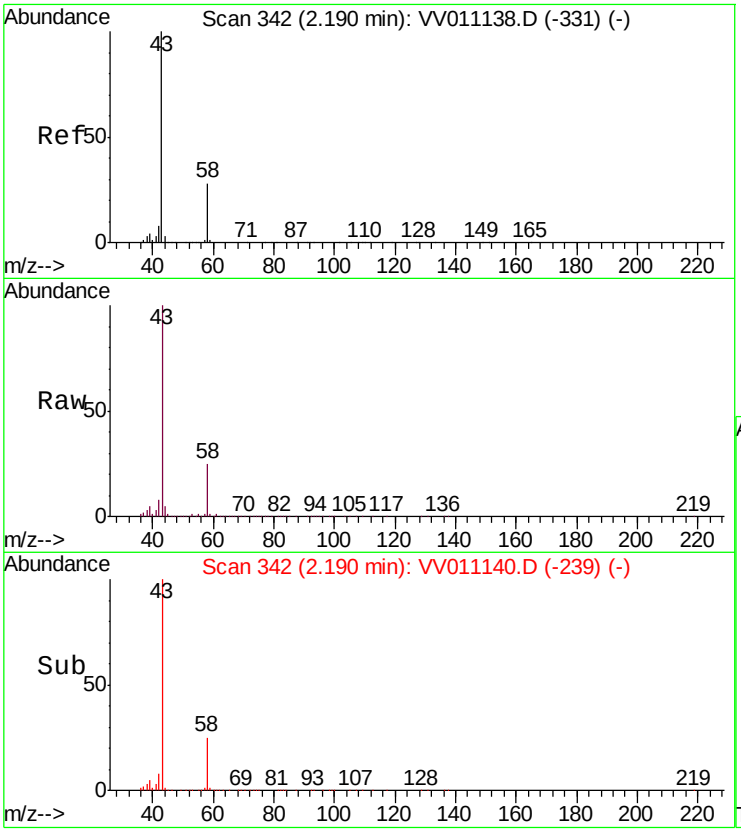


#12
1,1-Dichloroethene
Concen: 22.173 ug/L
RT: 2.13 min Scan# 323
Delta R.T. -0.00 min
Lab File: VV011140.D
Acq: 30 May 2019 16:43

Tgt Ion: 96 Resp: 88165

Ion	Ratio	Lower	Upper
96	100		
61	198.2	141.6	263.0
63	156.9	114.4	212.4



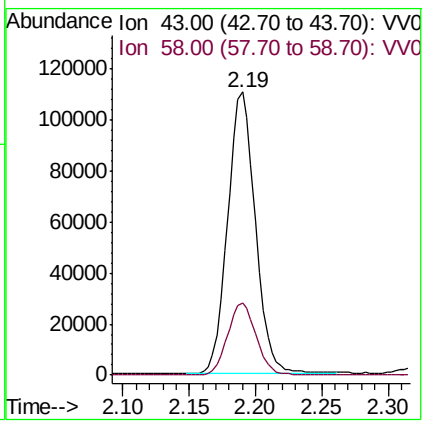


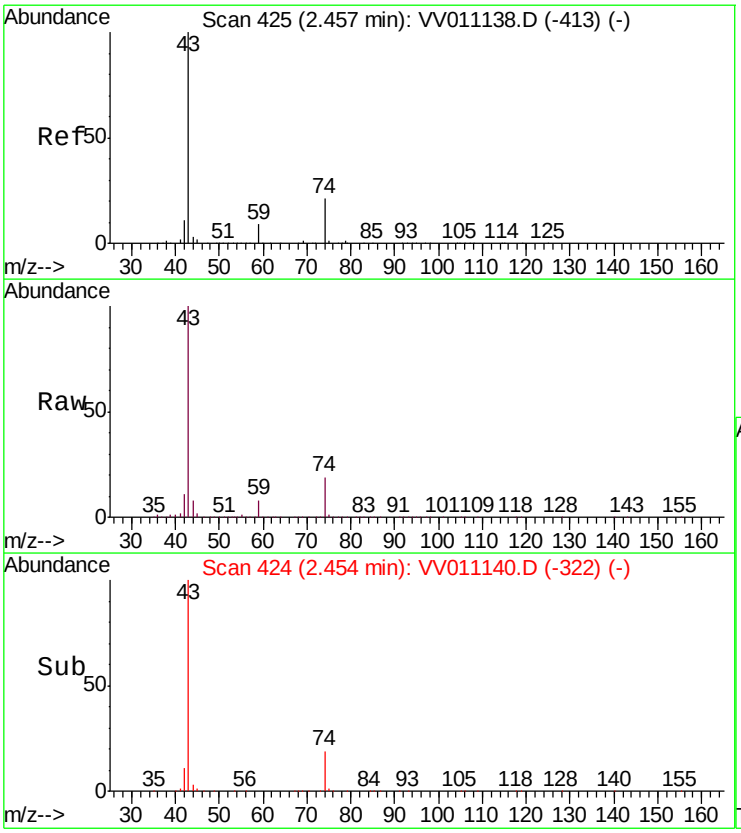
#13
Acetone
Concen: 79.191 ug/L
RT: 2.19 min Scan# 342
Delta R.T. -0.00 min
Lab File: VV011140.D
Acq: 30 May 2019 16:43

Instrument :
MSVOA_V
ClientSampleId :
GALD6

Tgt Ion: 43 Resp: 161214

Ion	Ratio	Lower	Upper
43	100		
58	25.8	0.0	53.8

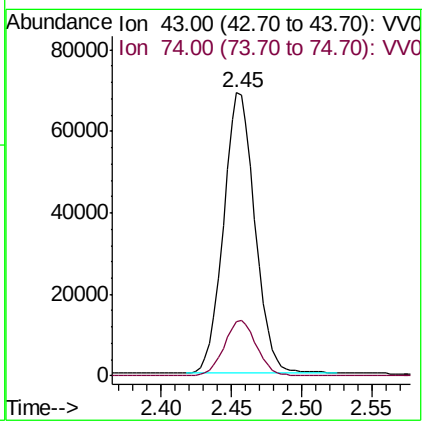


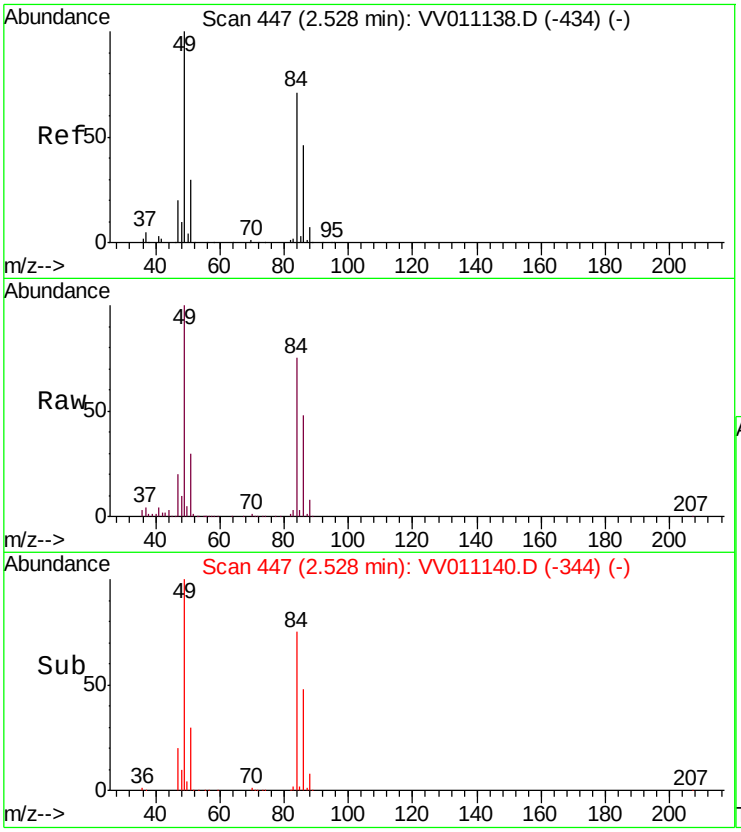


#15
Methyl Acetate
Concen: 34.847 ug/L
RT: 2.45 min Scan# 424
Delta R.T. -0.00 min
Lab File: VV011140.D
Acq: 30 May 2019 16:43

Tgt Ion: 43 Resp: 106745

Ion	Ratio	Lower	Upper
43	100		
74	20.5	16.2	24.4



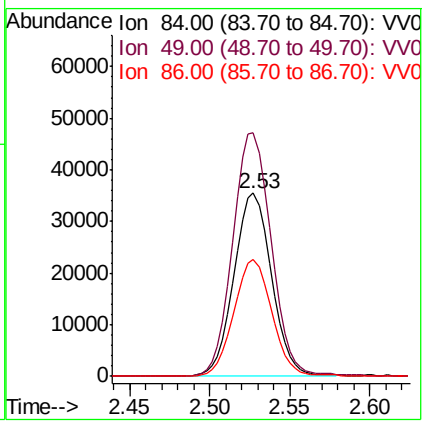


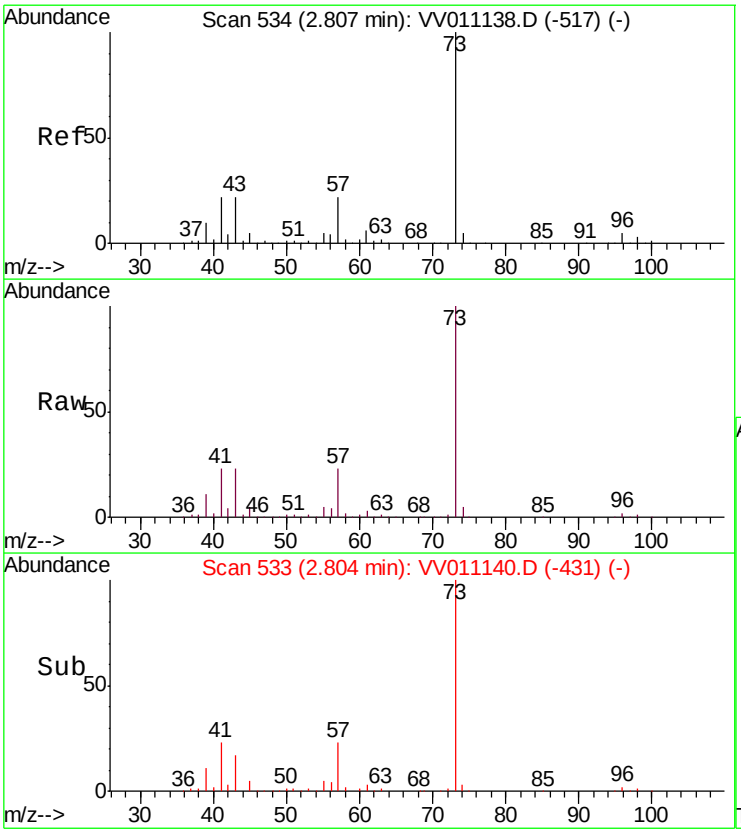
#16
Methylene chloride
Concen: 10.558 ug/L
RT: 2.53 min Scan# 447
Delta R.T. -0.00 min
Lab File: VV011140.D
Acq: 30 May 2019 16:43

Instrument :
MSVOA_V
ClientSampleId :
GALD6

Tgt Ion: 84 Resp: 56937

Ion	Ratio	Lower	Upper
84	100		
49	132.8	96.1	178.5
86	63.6	45.0	83.6

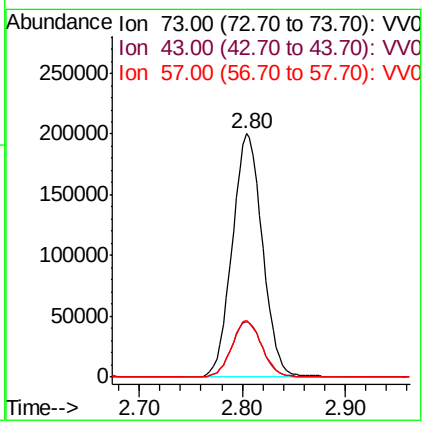


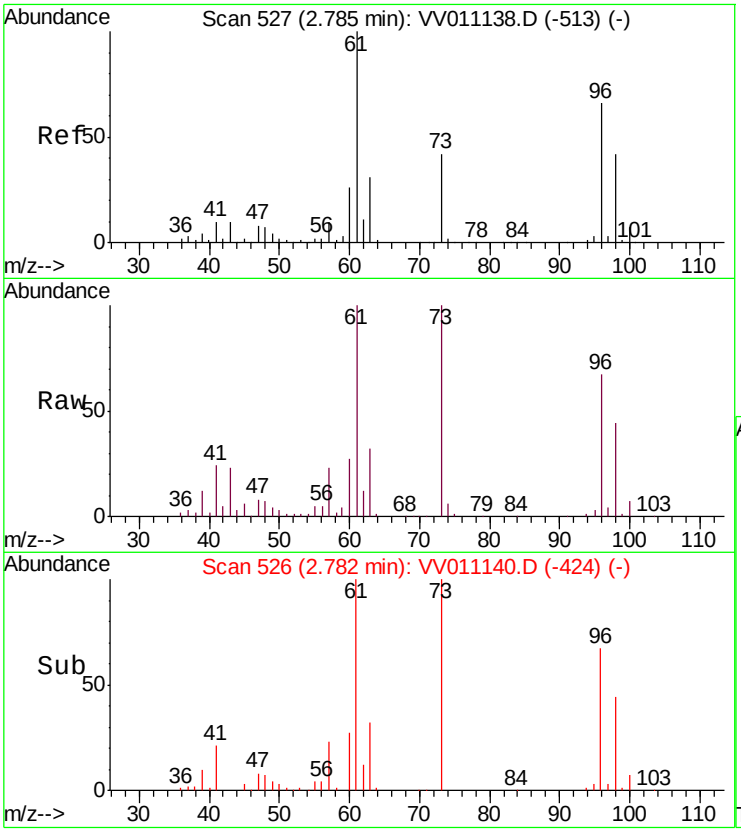


#17
Methyl tert-butyl Ether
Concen: 29.660 ug/L
RT: 2.80 min Scan# 533
Delta R.T. -0.00 min
Lab File: VV011140.D
Acq: 30 May 2019 16:43

Tgt Ion: 73 Resp: 408850

Ion	Ratio	Lower	Upper
73	100		
43	22.8	17.5	26.3
57	23.1	18.2	27.4



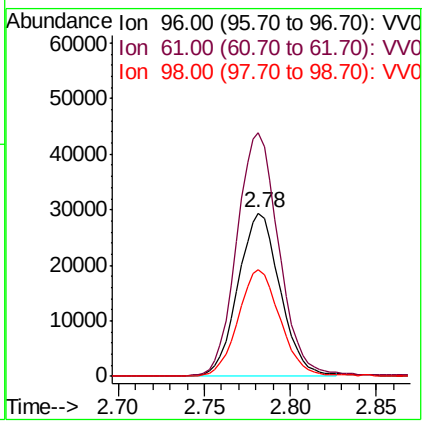


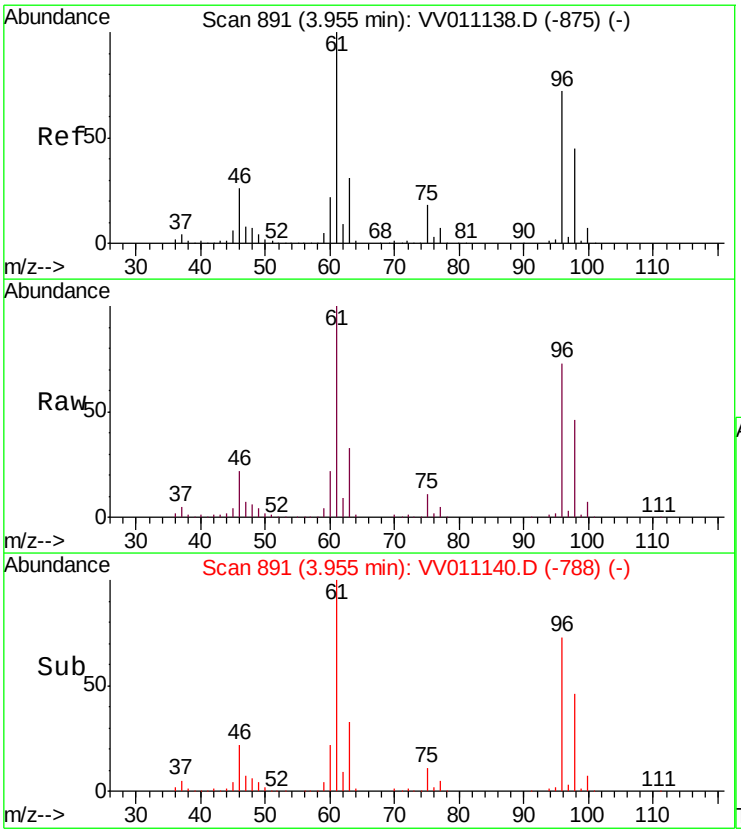
#18
trans-1,2-Dichloroethene
Concen: 10.333 ug/L
RT: 2.78 min Scan# 526
Delta R.T. -0.00 min
Lab File: VV011140.D
Acq: 30 May 2019 16:43

Instrument :
MSVOA_V
ClientSampleId :
GALD6

Tgt Ion: 96 Resp: 50046

Ion	Ratio	Lower	Upper
96	100		
61	149.1	102.6	190.5
98	65.6	43.3	80.3

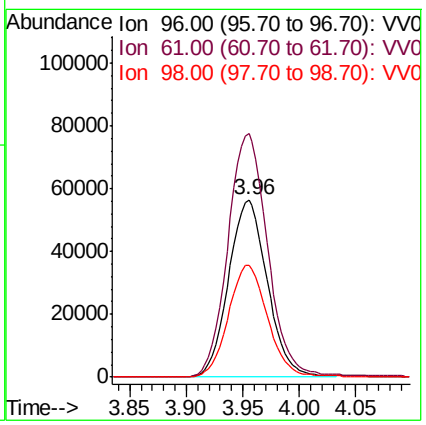


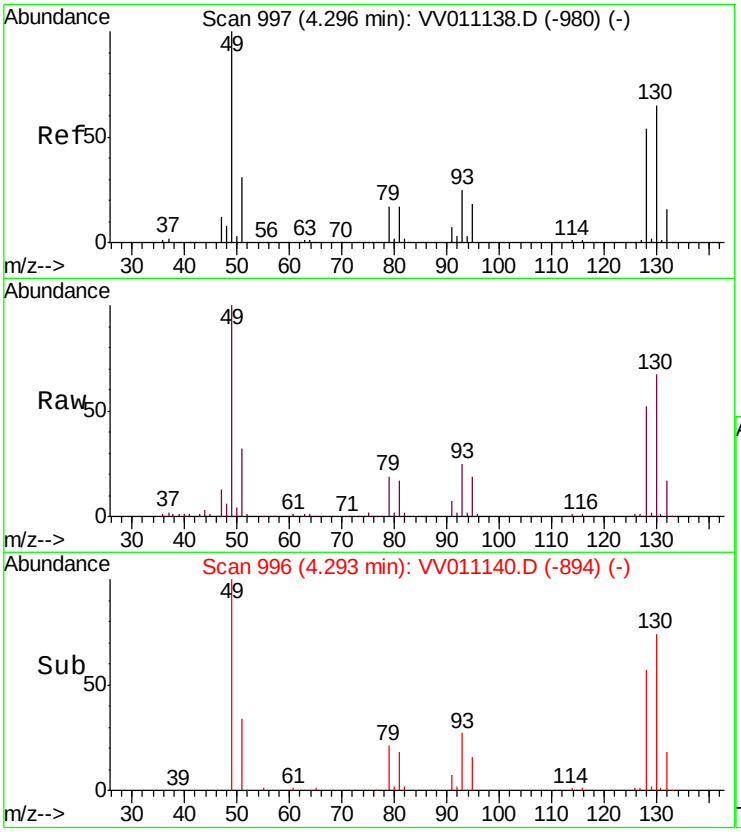


#22
cis-1,2-Dichloroethene
Concen: 24.947 ug/L
RT: 3.96 min Scan# 891
Delta R.T. -0.00 min
Lab File: VV011140.D
Acq: 30 May 2019 16:43

Tgt Ion: 96 Resp: 134951

Ion	Ratio	Lower	Upper
96	100		
61	137.3	97.4	181.0
98	63.0	45.0	83.6



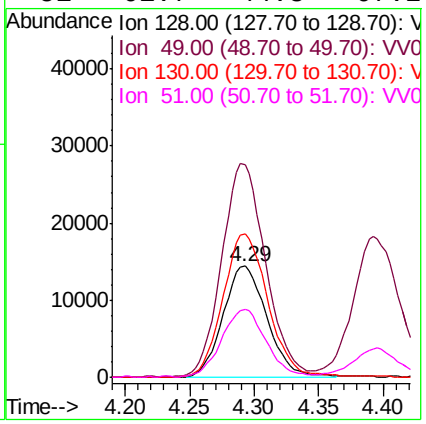


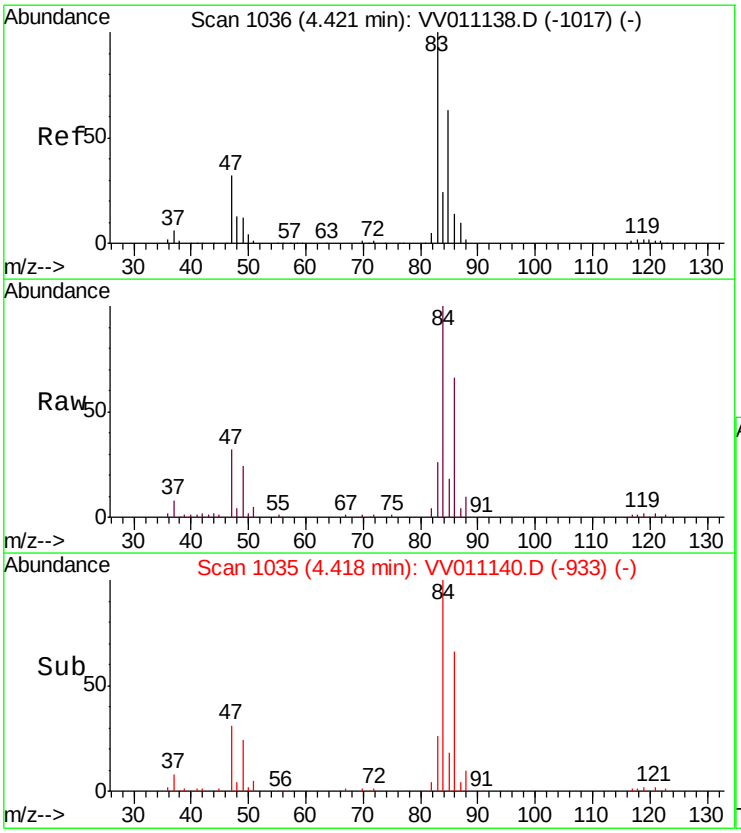
#23
Bromochloromethane
Concen: 14.335 ug/L
RT: 4.29 min Scan# 996
Delta R.T. -0.00 min
Lab File: VV011140.D
Acq: 30 May 2019 16:43

Instrument :
MSVOA_V
ClientSampleId :
GALD6

Tgt Ion:128 Resp: 34122

Ion	Ratio	Lower	Upper
128	100		
49	191.9	125.4	233.0
130	128.9	83.3	154.7
51	61.7	44.8	67.2

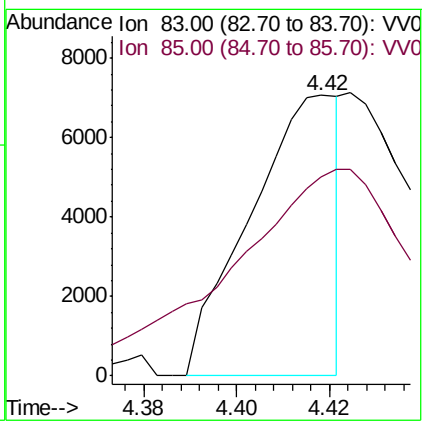


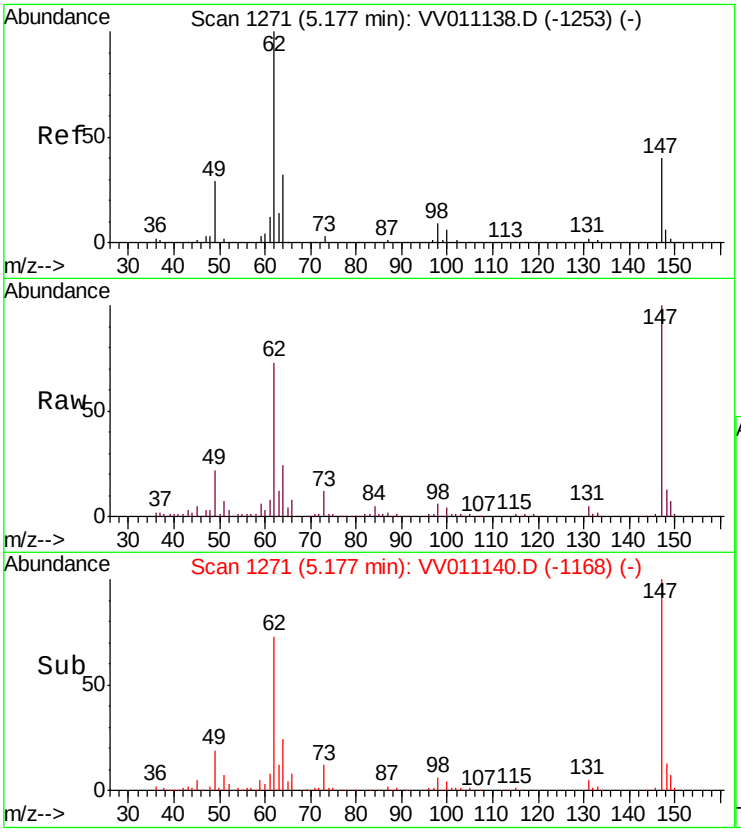


#25
Chloroform
Concen: 0.938 ug/L
RT: 4.42 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VV011140.D
Acq: 30 May 2019 16:43

Tgt Ion: 83 Resp: 9389

Ion	Ratio	Lower	Upper
83	100		
85	154.5	45.6	84.6#



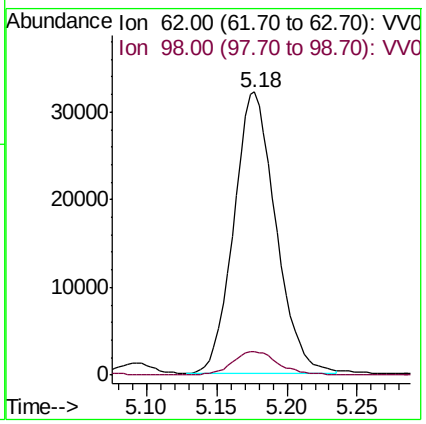


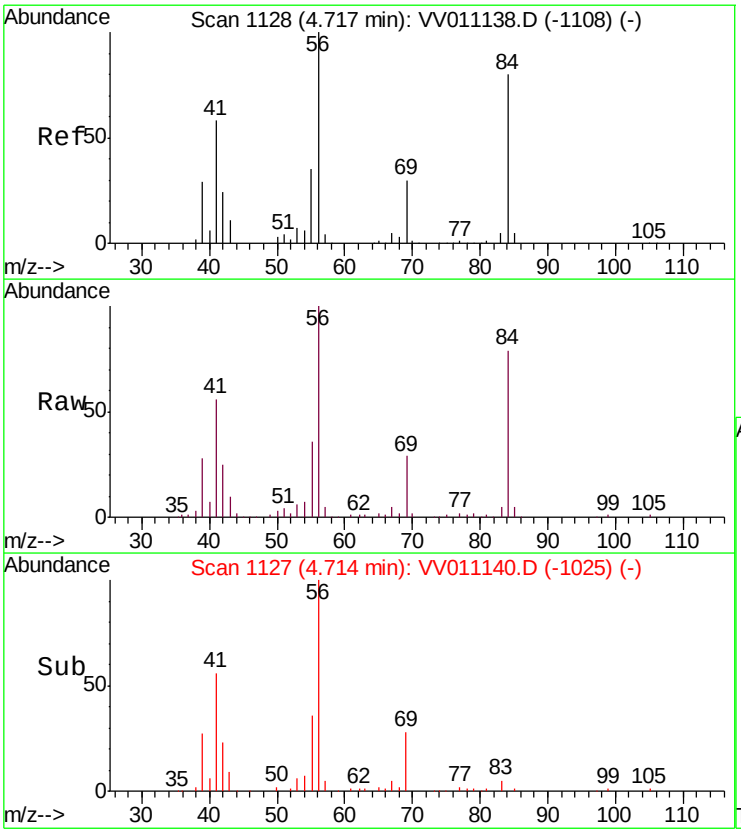
#27
1,2-Dichloroethane
Concen: 9.533 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VV011140.D
Acq: 30 May 2019 16:43

Instrument :
MSVOA_V
ClientSampleId :
GALD6

Tgt Ion: 62 Resp: 66838

Ion	Ratio	Lower	Upper
62	100		
98	8.1	7.4	11.0

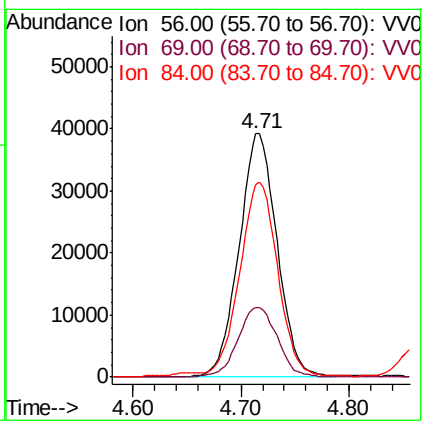


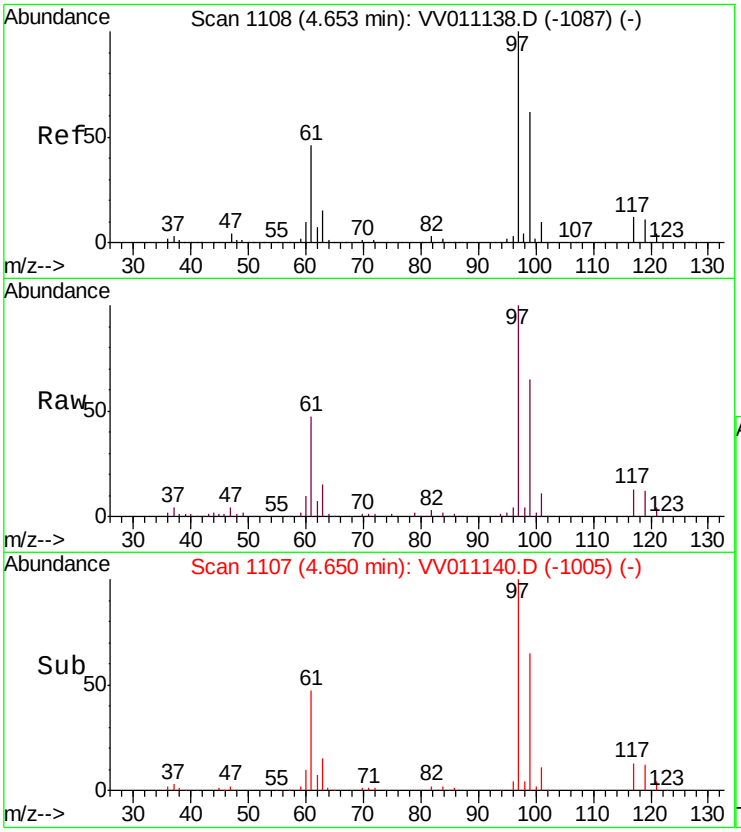


#30
Cyclohexane
Concen: 10.947 ug/L
RT: 4.71 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VV011140.D
Acq: 30 May 2019 16:43

Tgt Ion: 56 Resp: 96127

Ion	Ratio	Lower	Upper
56	100		
69	29.5	23.4	35.0
84	78.5	65.8	98.8



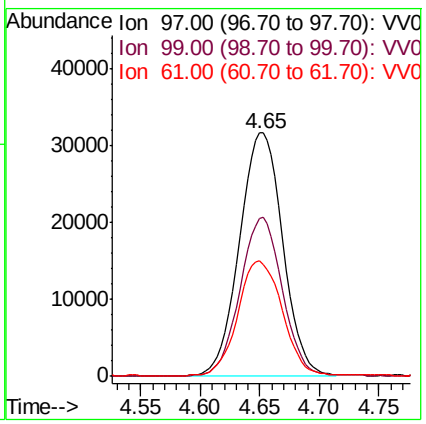


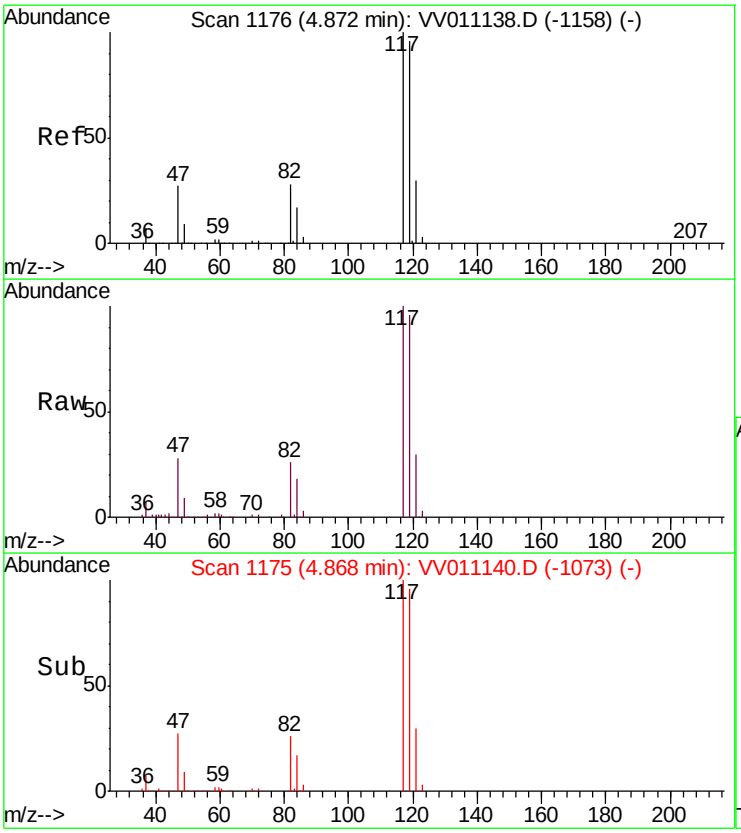
#31
1,1,1-Trichloroethane
Concen: 10.609 ug/L
RT: 4.65 min Scan# 1107
Delta R.T. -0.00 min
Lab File: VV011140.D
Acq: 30 May 2019 16:43

Instrument :
MSVOA_V
ClientSampleId :
GALD6

Tgt Ion: 97 Resp: 79781

Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.3	76.9
61	49.2	38.4	57.6

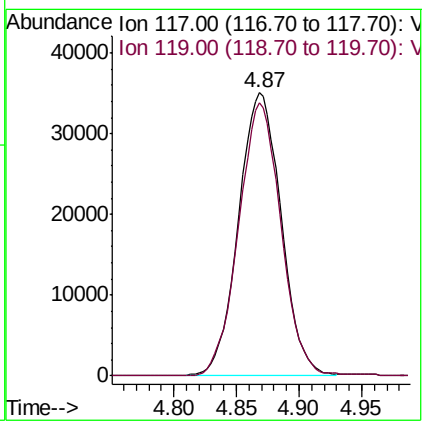


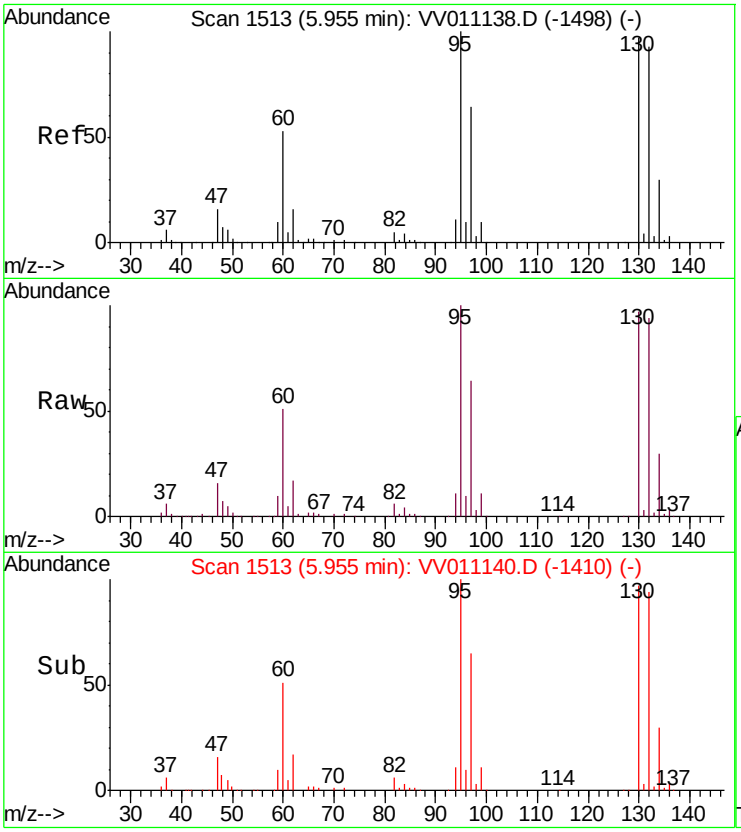


#32
Carbon tetrachloride
Concen: 12.985 ug/L
RT: 4.87 min Scan# 1175
Delta R.T. -0.00 min
Lab File: VV011140.D
Acq: 30 May 2019 16:43

Tgt Ion:117 Resp: 82785

Ion	Ratio	Lower	Upper
117	100		
119	95.8	76.3	114.5



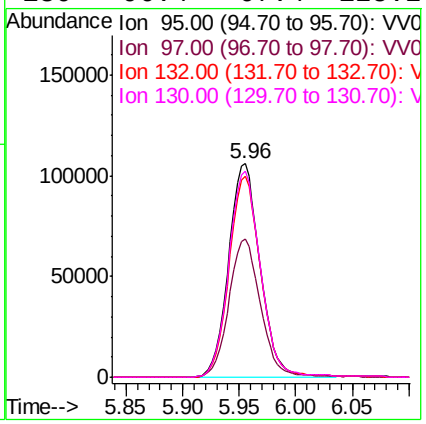


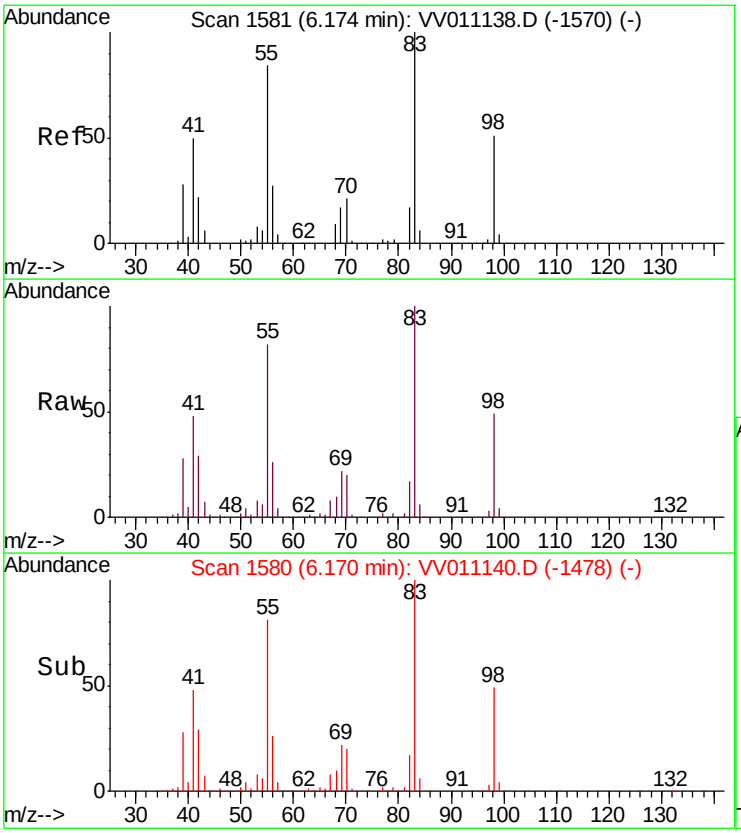
#35
Trichloroethene
Concen: 40.304 ug/L
RT: 5.96 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VV011140.D
Acq: 30 May 2019 16:43

Instrument :
MSVOA_V
ClientSampleId :
GALD6

Tgt Ion: 95 Resp: 205724

Ion	Ratio	Lower	Upper
95	100		
97	64.9	44.4	82.5
132	94.8	66.0	122.6
130	96.4	67.4	125.2

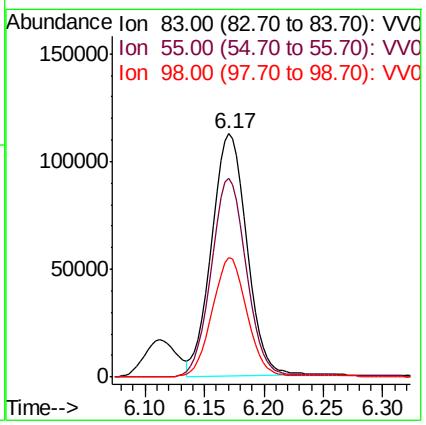


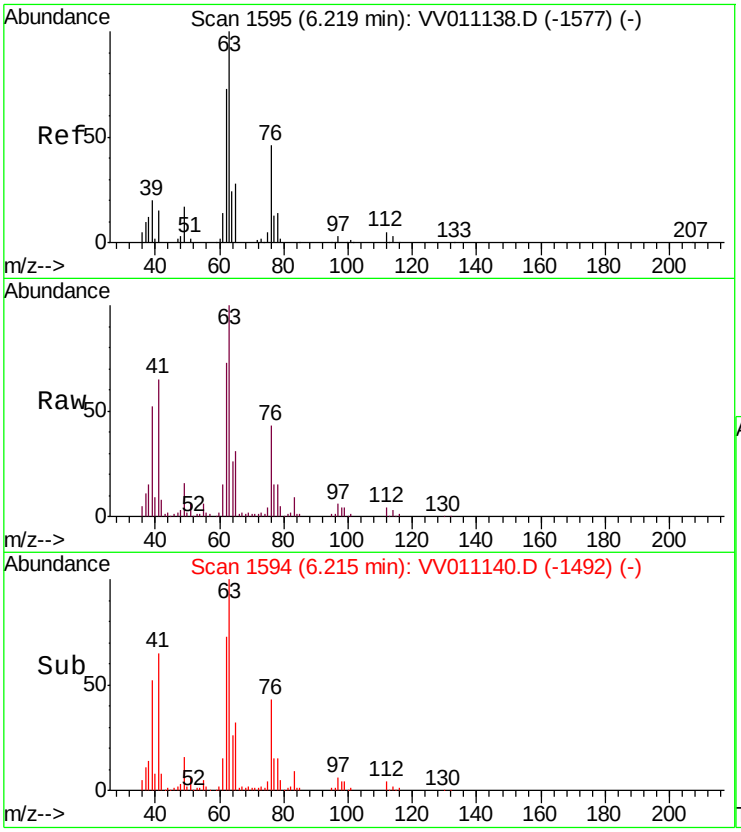


#36
Methylcyclohexane
Concen: 26.713 ug/L
RT: 6.17 min Scan# 1580
Delta R.T. -0.00 min
Lab File: VV011140.D
Acq: 30 May 2019 16:43

Tgt Ion: 83 Resp: 230740

Ion	Ratio	Lower	Upper
83	100		
55	81.3	66.4	99.6
98	48.7	37.9	56.9



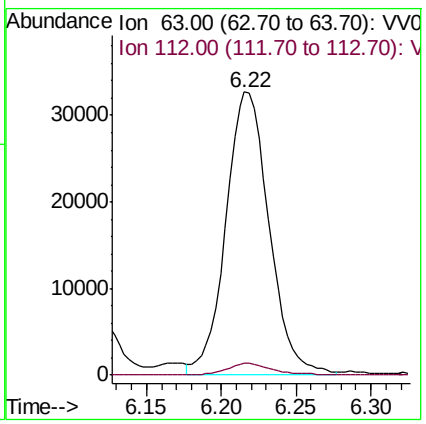


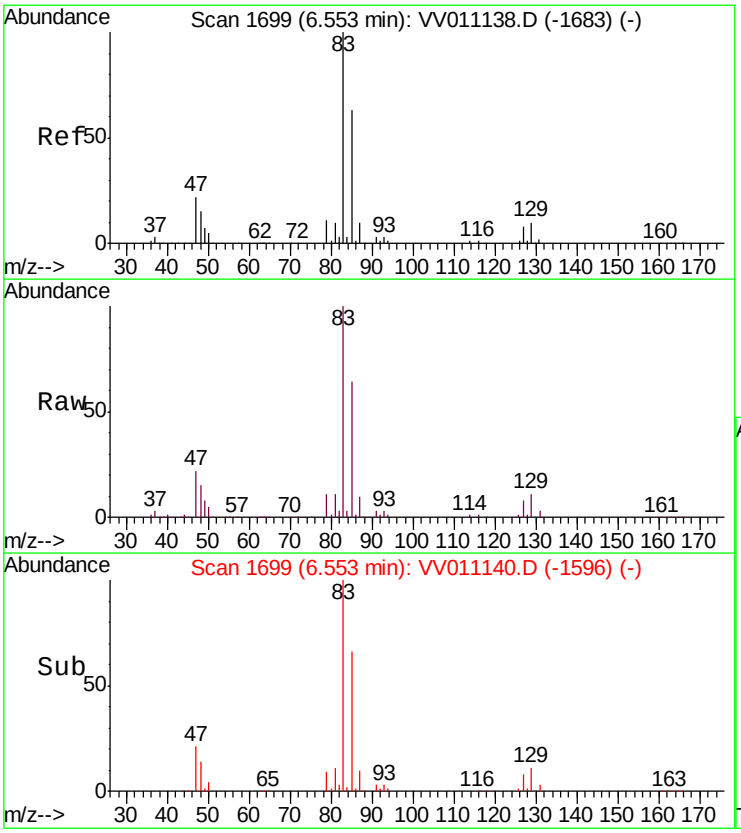
#40
1,2-Dichloropropane
Concen: 12.906 ug/L
RT: 6.22 min Scan# 1594
Delta R.T. -0.00 min
Lab File: VV011140.D
Acq: 30 May 2019 16:43

Instrument :
MSVOA_V
ClientSampleId :
GALD6

Tgt Ion: 63 Resp: 66043

Ion	Ratio	Lower	Upper
63	100		
112	4.4	3.6	5.4

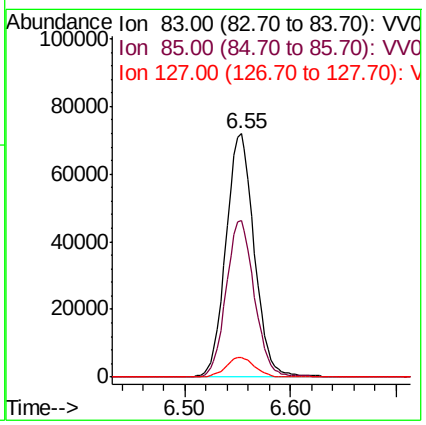


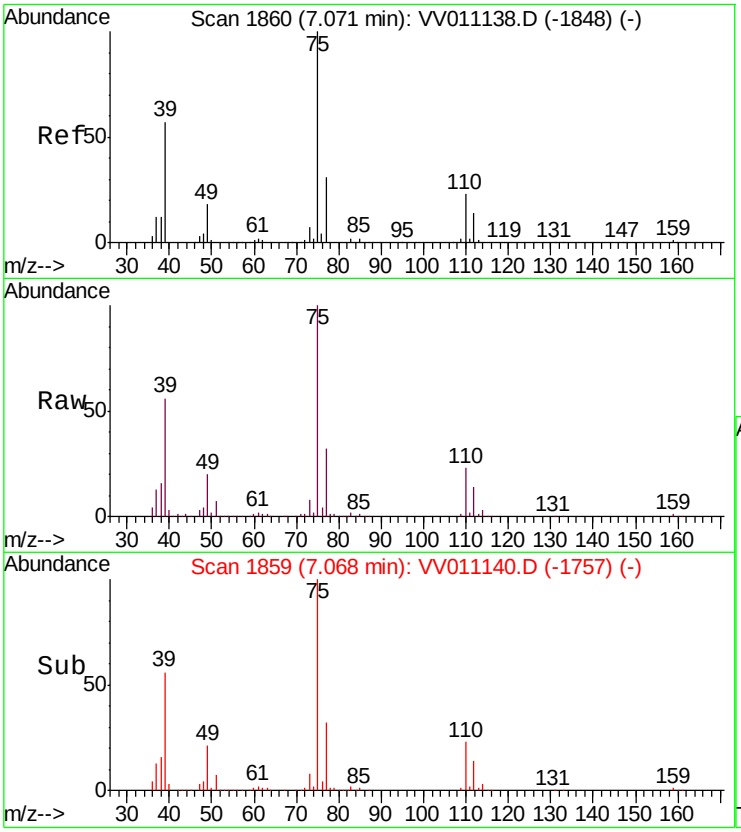


#41
Bromodichloromethane
Concen: 19.903 ug/L
RT: 6.55 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VV011140.D
Acq: 30 May 2019 16:43

Tgt Ion: 83 Resp: 132656

Ion	Ratio	Lower	Upper
83	100		
85	64.4	44.1	81.9
127	8.2	6.3	9.5



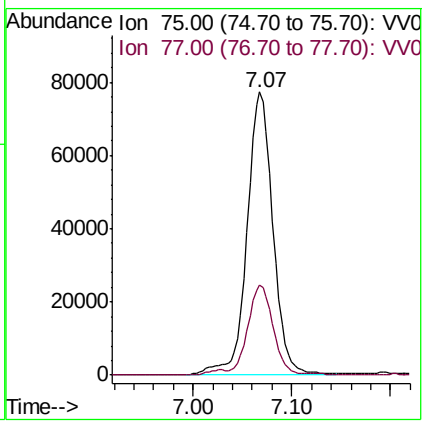


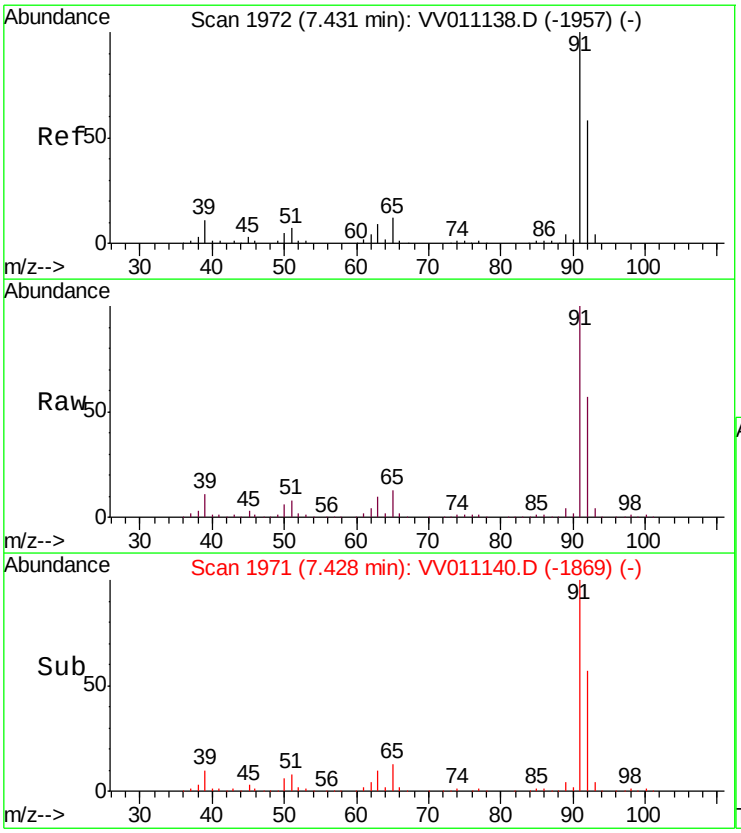
#42
cis-1,3-Dichloropropene
Concen: 17.257 ug/L
RT: 7.07 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VV011140.D
Acq: 30 May 2019 16:43

Instrument :
MSVOA_V
ClientSampleId :
GALD6

Tgt Ion: 75 Resp: 140391

Ion	Ratio	Lower	Upper
75	100		
77	31.8	21.3	39.6

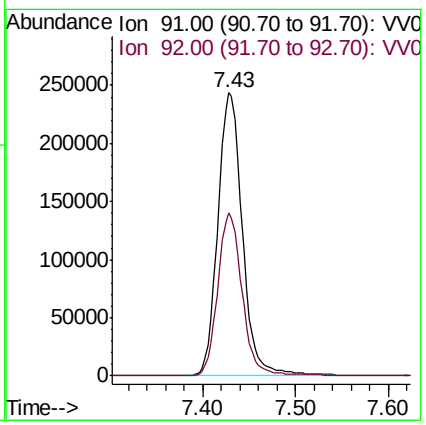


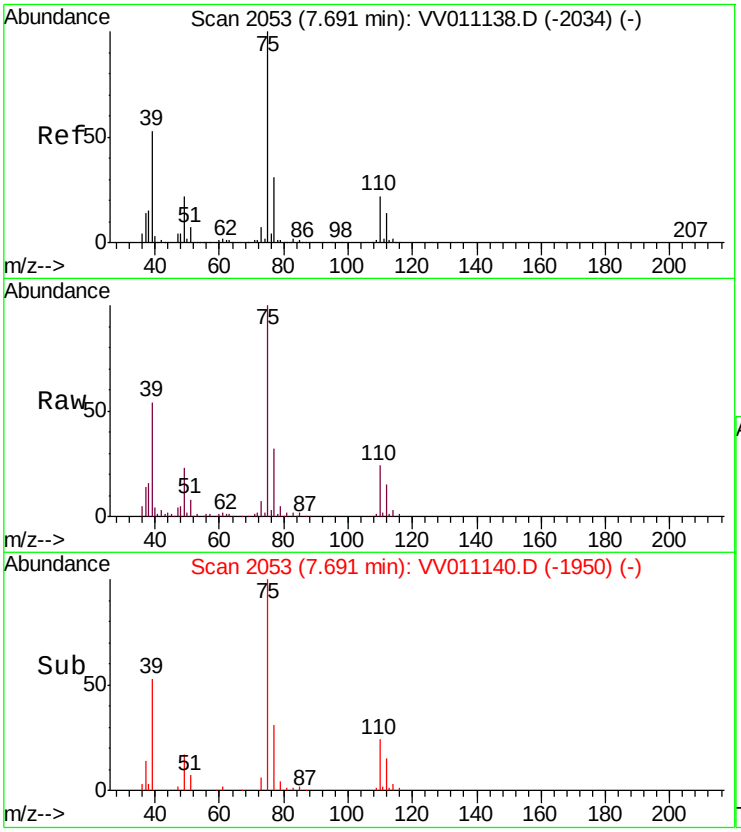


#44
Toluene
Concen: 21.121 ug/L
RT: 7.43 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VV011140.D
Acq: 30 May 2019 16:43

Tgt Ion: 91 Resp: 448798

Ion	Ratio	Lower	Upper
91	100		
92	57.4	39.9	74.1



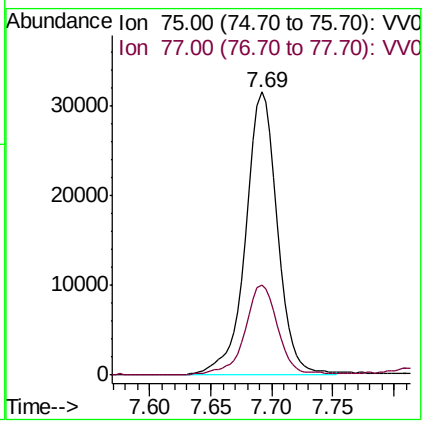


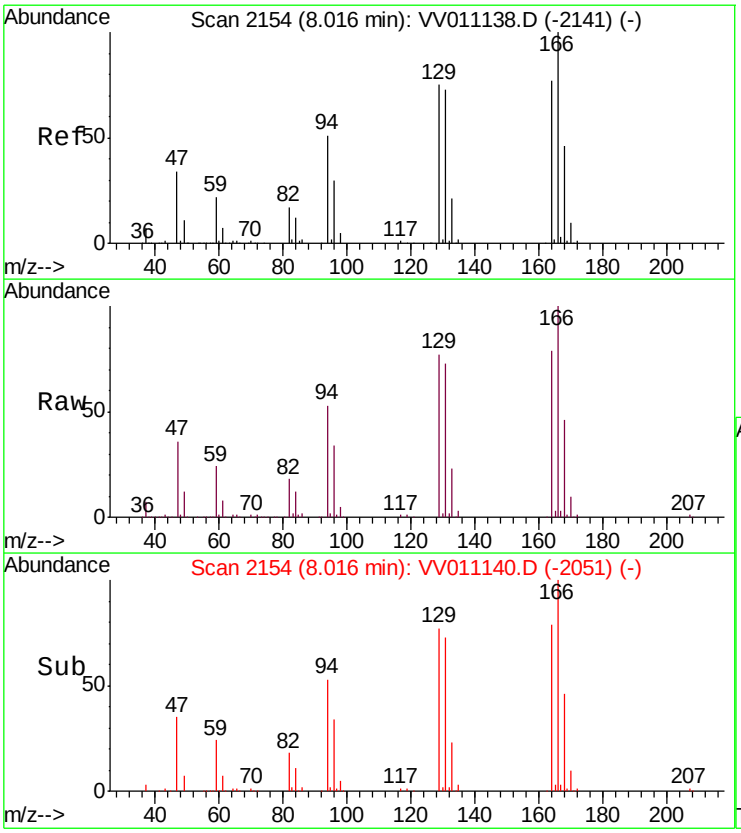
#45
trans-1,3-Dichloropropene
Concen: 8.153 ug/L
RT: 7.69 min Scan# 2053
Delta R.T. -0.00 min
Lab File: VV011140.D
Acq: 30 May 2019 16:43

Instrument :
MSVOA_V
ClientSampleId :
GALD6

Tgt Ion: 75 Resp: 56610

Ion	Ratio	Lower	Upper
75	100		
77	32.0	22.1	41.1

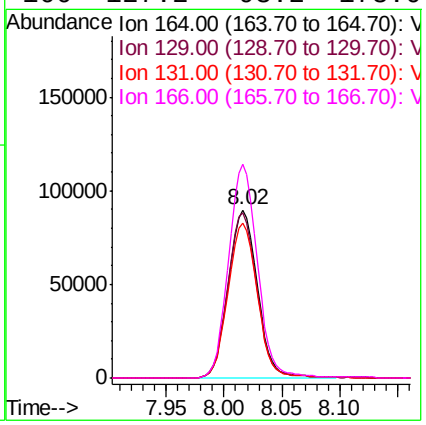


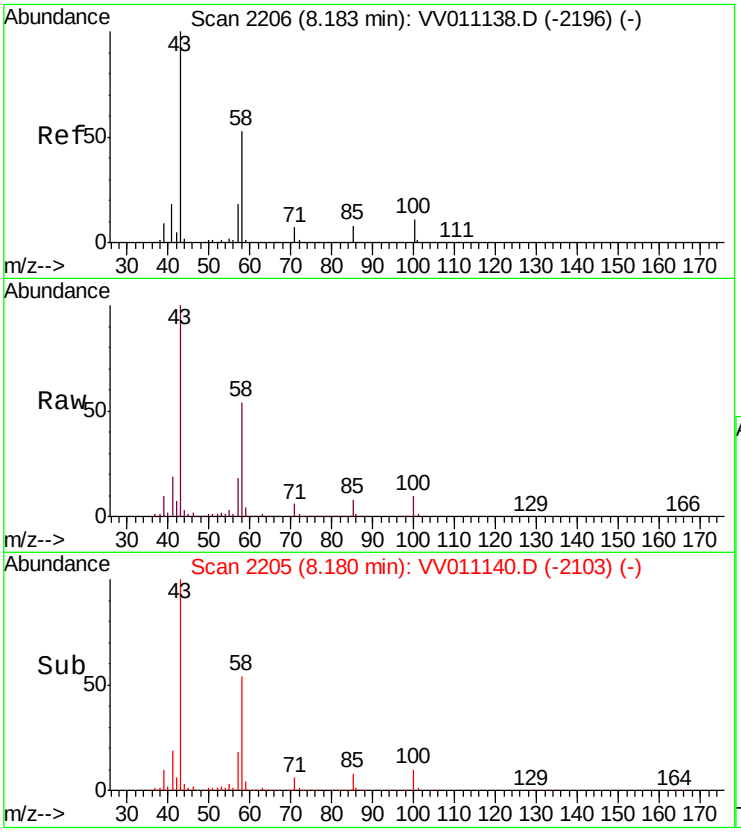


#47
Tetrachloroethene
Concen: 41.247 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. -0.00 min
Lab File: VV011140.D
Acq: 30 May 2019 16:43

Tgt Ion:164 Resp: 156019

Ion	Ratio	Lower	Upper
164	100		
129	98.0	69.1	128.3
131	92.4	65.5	121.6
166	127.2	93.2	173.0



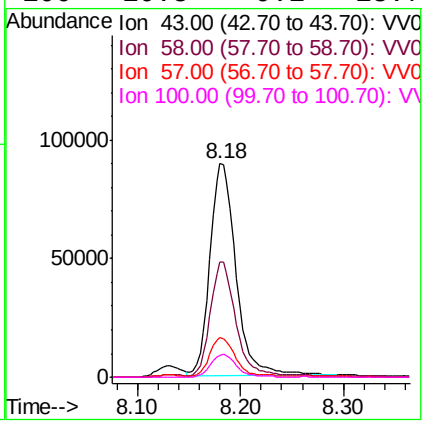


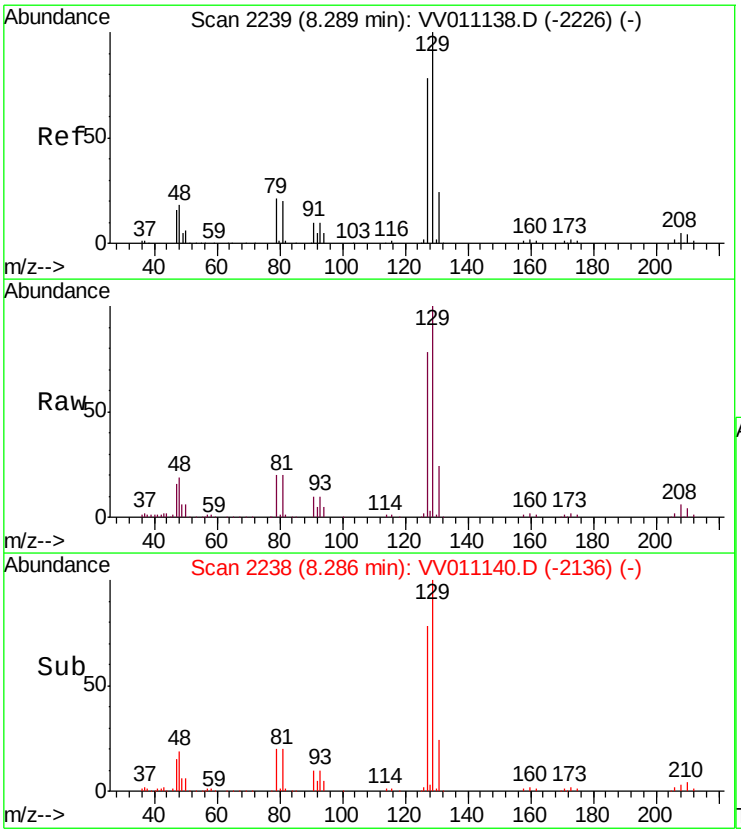
#49
2-Hexanone
Concen: 46.381 ug/L
RT: 8.18 min Scan# 2205
Delta R.T. -0.00 min
Lab File: VV011140.D
Acq: 30 May 2019 16:43

Instrument :
MSVOA_V
ClientSampleId :
GALD6

Tgt Ion: 43 Resp: 155348

Ion	Ratio	Lower	Upper
43	100		
58	52.7	41.2	61.8
57	18.1	14.3	21.5
100	10.8	9.1	13.7

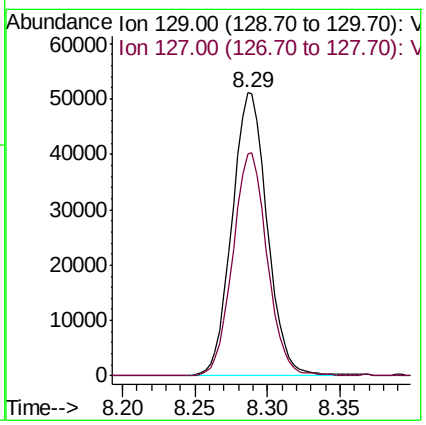


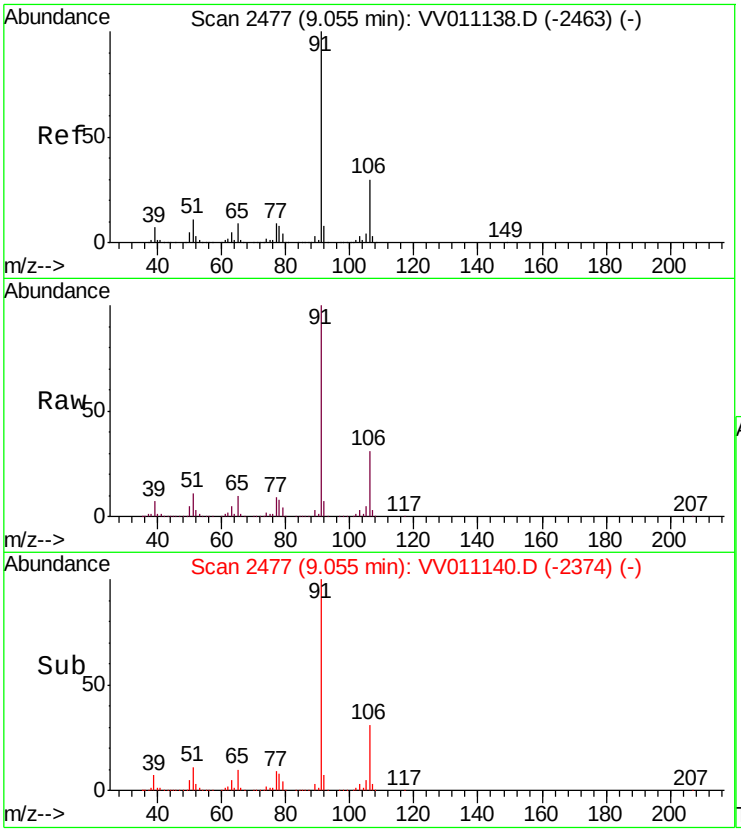


#50
Dibromochloromethane
Concen: 19.162 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. -0.00 min
Lab File: VV011140.D
Acq: 30 May 2019 16:43

Tgt Ion:129 Resp: 86433

Ion	Ratio	Lower	Upper
129	100		
127	78.5	53.8	99.8



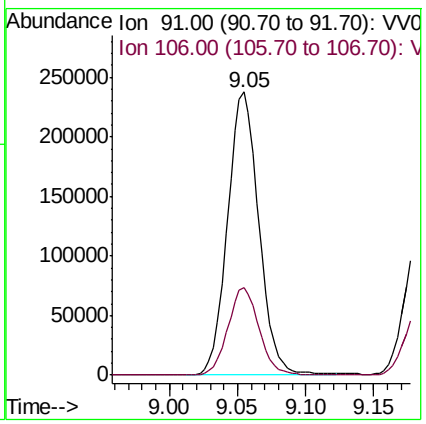


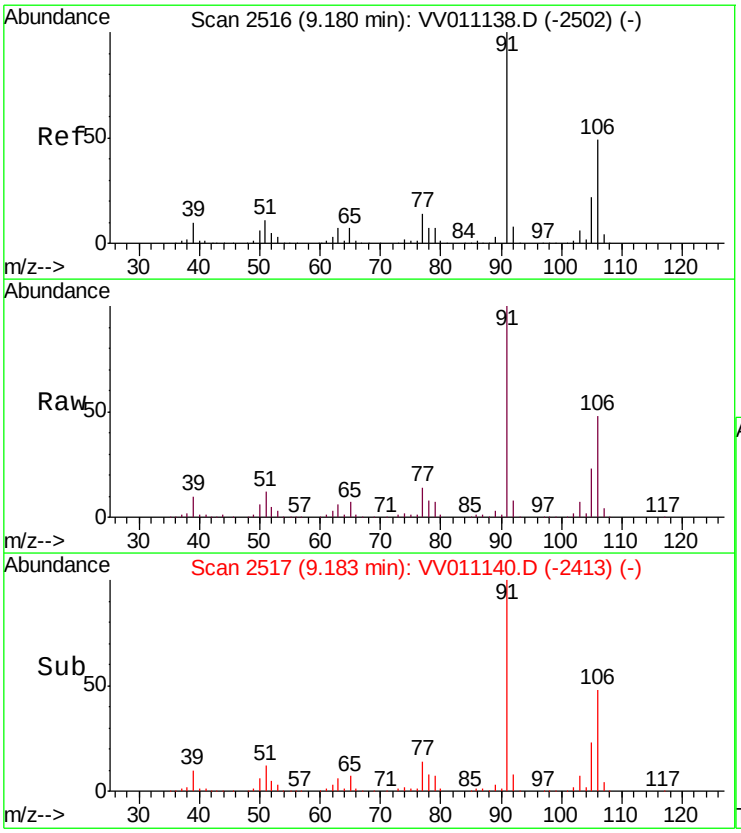
#53
Ethylbenzene
Concen: 15.543 ug/L
RT: 9.05 min Scan# 2477
Delta R.T. -0.00 min
Lab File: VV011140.D
Acq: 30 May 2019 16:43

Instrument :
MSVOA_V
ClientSampleId :
GALD6

Tgt Ion: 91 Resp: 378973

Ion	Ratio	Lower	Upper
91	100		
106	30.7	21.2	39.4

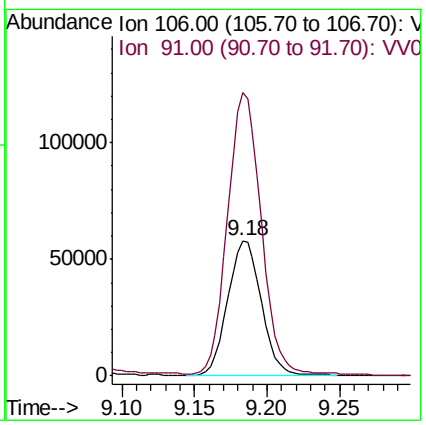


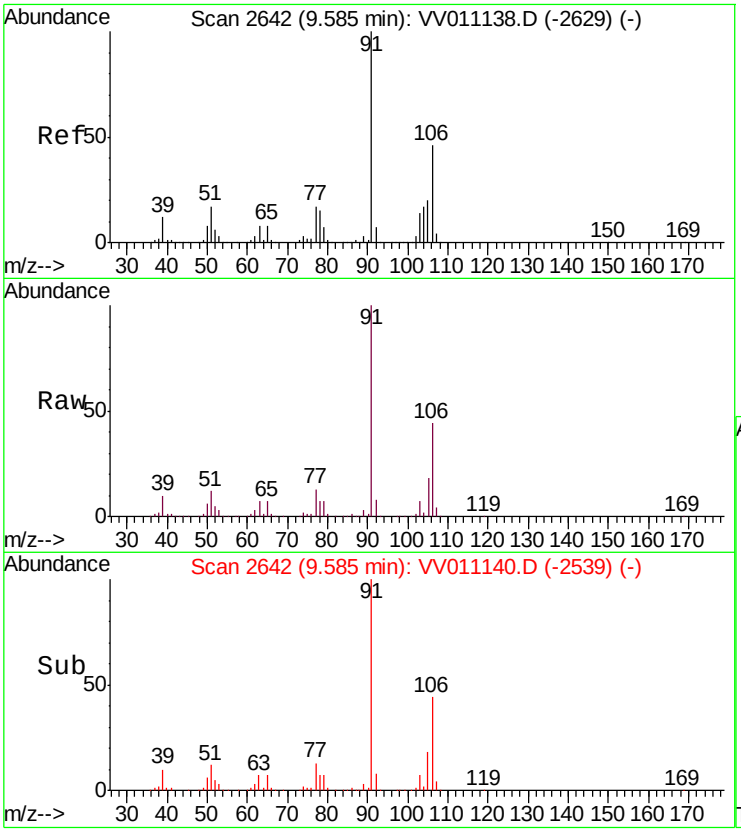


#54
m,p-Xylene
Concen: 10.188 ug/L
RT: 9.18 min Scan# 2517
Delta R.T. 0.00 min
Lab File: VV011140.D
Acq: 30 May 2019 16:43

Tgt Ion:106 Resp: 92395

Ion	Ratio	Lower	Upper
106	100		
91	209.8	145.3	269.9



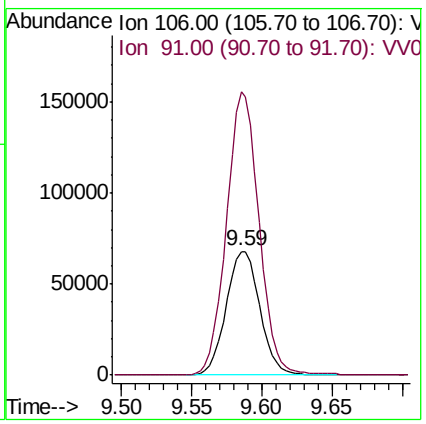


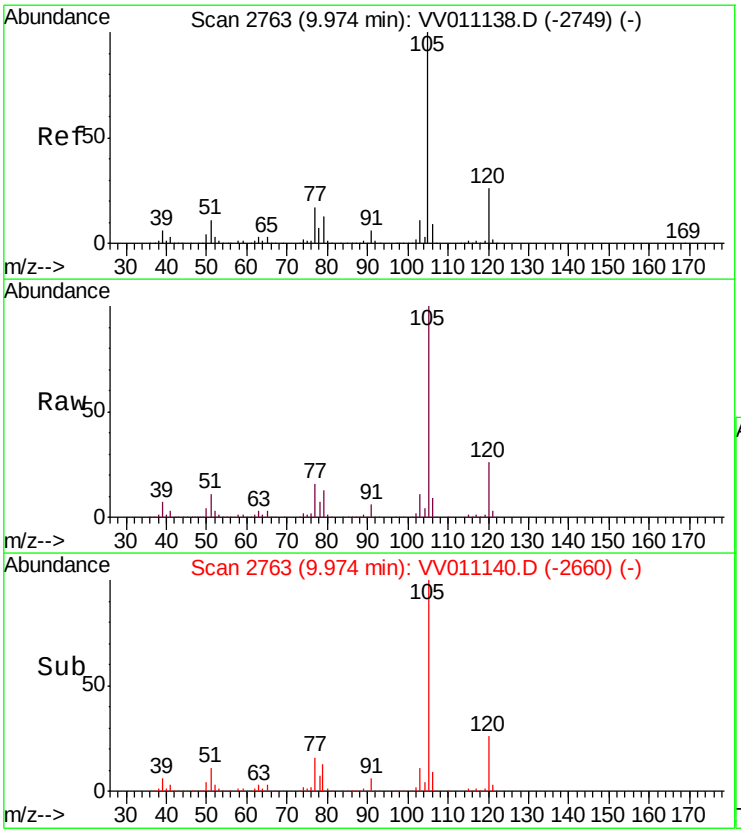
#55
o-xylene
Concen: 12.742 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. -0.00 min
Lab File: VV011140.D
Acq: 30 May 2019 16:43

Instrument :
MSVOA_V
ClientSampleId :
GALD6

Tgt Ion:106 Resp: 113650

Ion	Ratio	Lower	Upper
106	100		
91	228.4	156.4	290.6

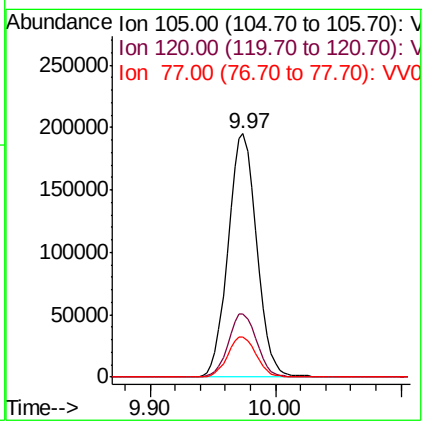


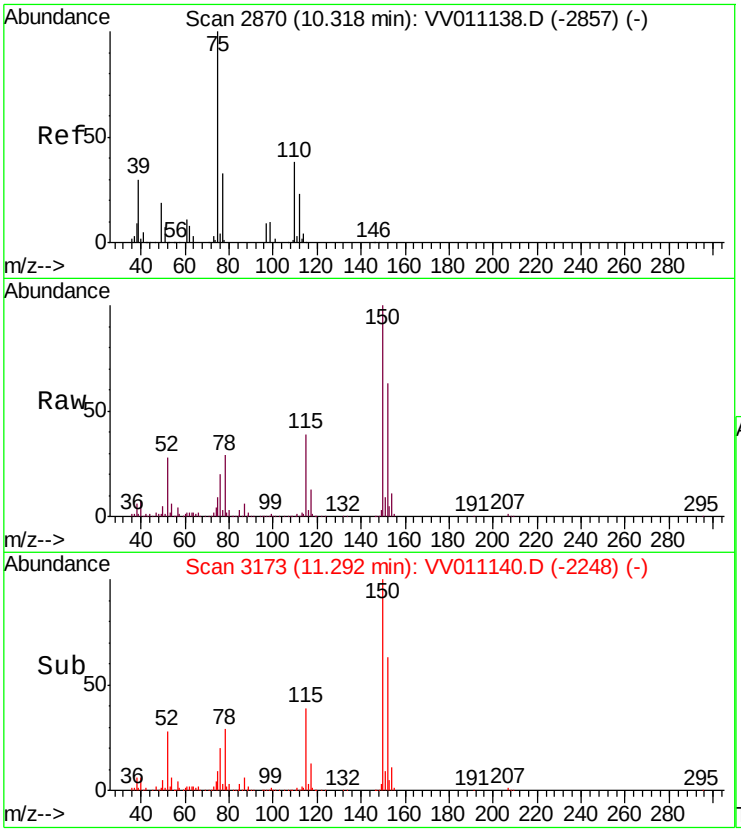


#57
Isopropylbenzene
Concen: 12.949 ug/L
RT: 9.97 min Scan# 2763
Delta R.T. -0.00 min
Lab File: VV011140.D
Acq: 30 May 2019 16:43

Tgt Ion:105 Resp: 308385

Ion	Ratio	Lower	Upper
105	100		
120	26.0	20.6	31.0
77	16.7	13.3	19.9



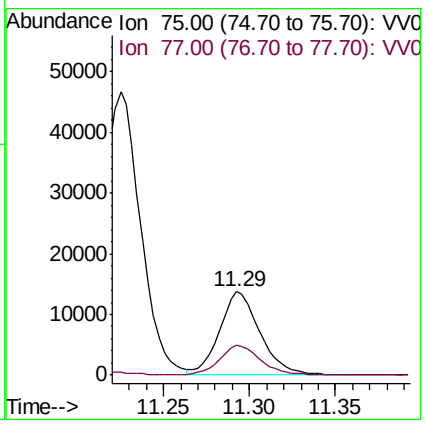


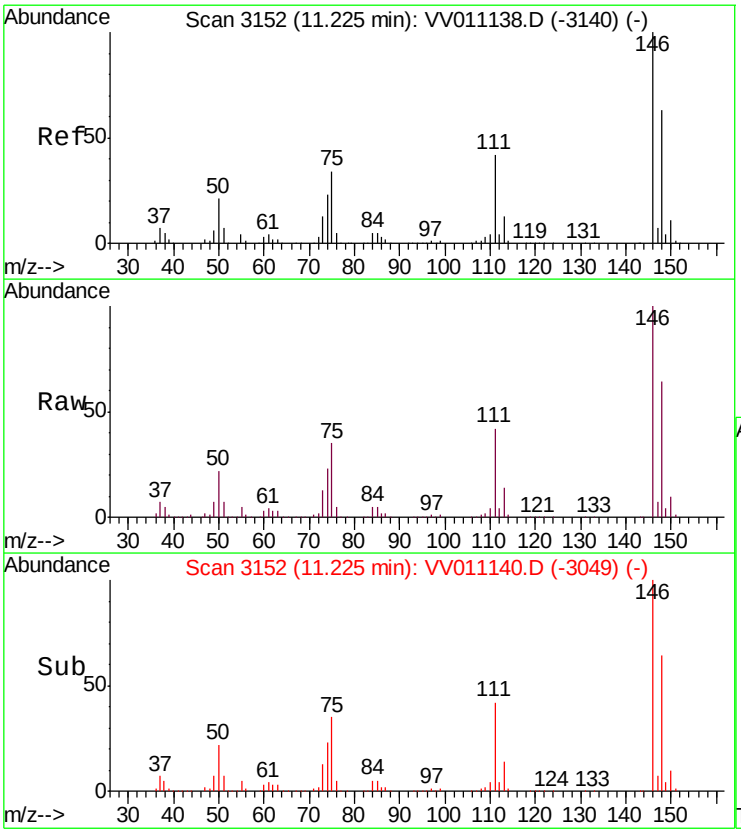
#59
1,2,3-Trichloropropane
Concen: 5.546 ug/L
RT: 11.29 min Scan# 3173
Delta R.T. 0.97 min
Lab File: VV011140.D
Acq: 30 May 2019 16:43

Instrument :
MSVOA_V
ClientSampleId :
GALD6

Tgt Ion: 75 Resp: 22744

Ion	Ratio	Lower	Upper
75	100		
77	34.0	25.7	38.5

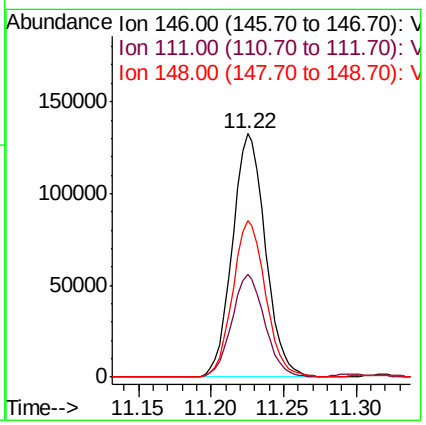


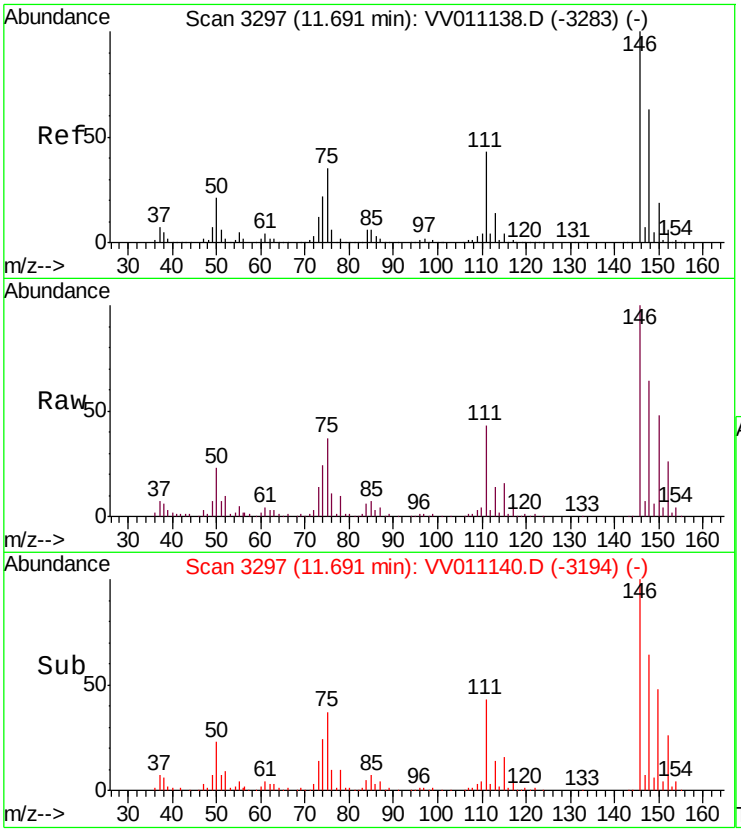


#63
1,3-Dichlorobenzene
Concen: 20.613 ug/L
RT: 11.22 min Scan# 3152
Delta R.T. -0.00 min
Lab File: VV011140.D
Acq: 30 May 2019 16:43

Tgt Ion:146 Resp: 209694

Ion	Ratio	Lower	Upper
146	100		
111	42.4	29.9	55.5
148	64.3	45.4	84.2



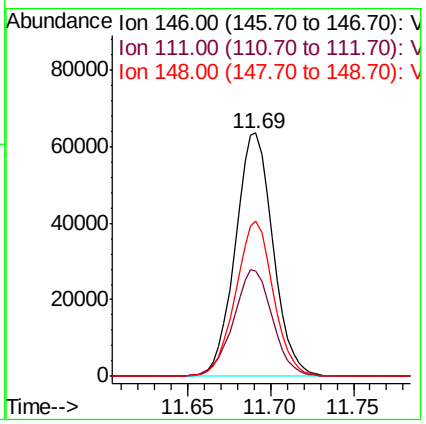


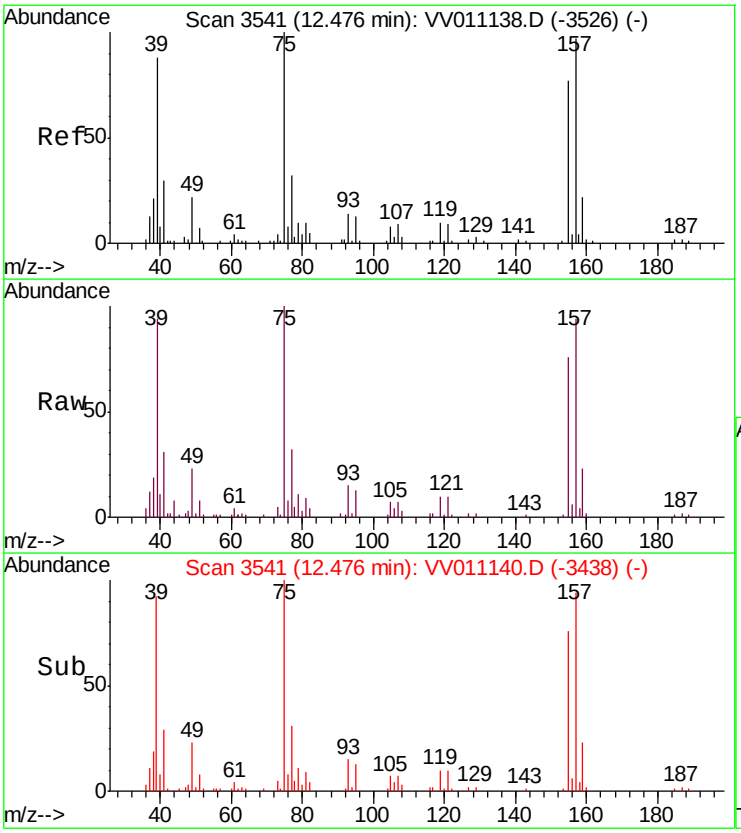
#65
1,2-Dichlorobenzene
Concen: 10.415 ug/L
RT: 11.69 min Scan# 3297
Delta R.T. -0.00 min
Lab File: VV011140.D
Acq: 30 May 2019 16:43

Instrument :
MSVOA_V
ClientSampleId :
GALD6

Tgt Ion:146 Resp: 100314

Ion	Ratio	Lower	Upper
146	100		
111	43.3	34.8	52.2
148	63.9	51.0	76.6

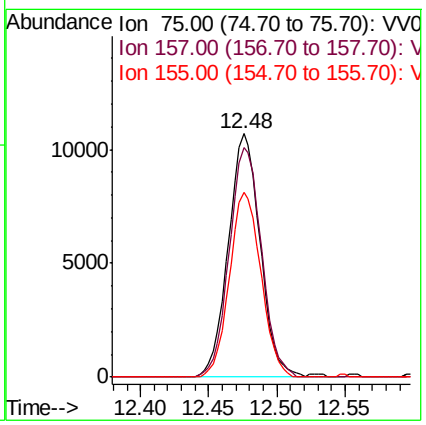


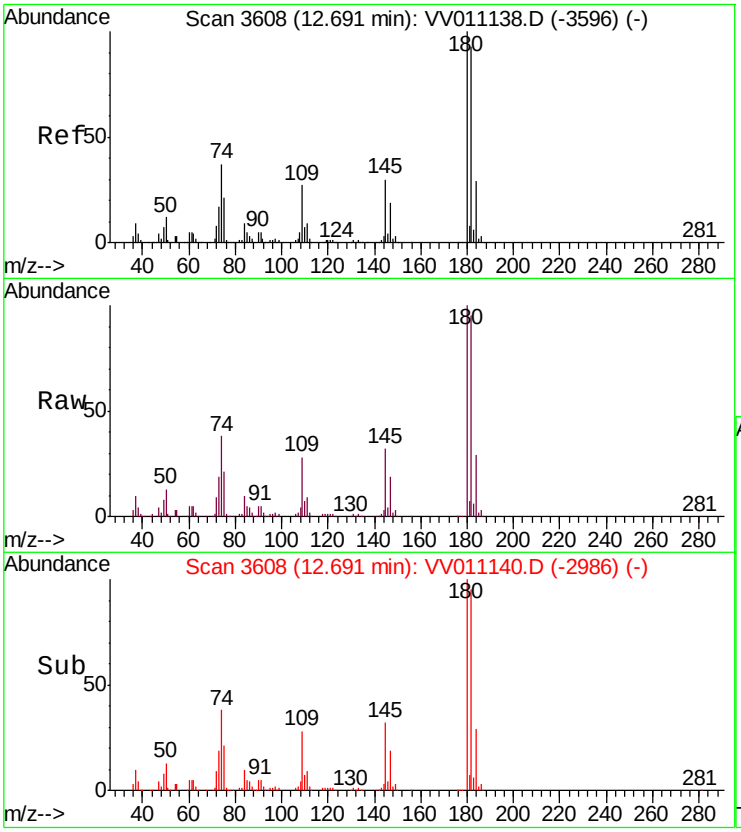


#66
1,2-Dibromo-3-chloropropane
Concen: 18.587 ug/L
RT: 12.48 min Scan# 3541
Delta R.T. -0.00 min
Lab File: VV011140.D
Acq: 30 May 2019 16:43

Tgt Ion: 75 Resp: 17370

Ion	Ratio	Lower	Upper
75	100		
157	94.3	79.6	119.4
155	75.9	62.4	93.6





#67
1,3,5-Trichlorobenzene
Concen: 24.924 ug/L
RT: 12.69 min Scan# 3608
Delta R.T. -0.00 min
Lab File: VV011140.D
Acq: 30 May 2019 16:43

Instrument :
MSVOA_V
ClientSampleId :
GALD6

Tgt Ion:180 Resp: 189522

Ion	Ratio	Lower	Upper
180	100		
182	95.5	75.3	112.9
184	30.0	24.3	36.5
145	31.8	24.2	36.4