Quantitation Report (LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV071420\
Data File : VV017482.D
Acq On : 14 Jul 2020 14:29
Operator : SY/MD
Sample : L3281-23
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAXY3

Quant Time: Jul 15 03:37:22 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR071420WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 15 02:49:58 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	148133	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	142145	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	74690	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.32	65	38455	4.46	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 89.20%			
7) Chloroethane-d5	1.58	69	31000	4.52	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 90.40%			
11) 1,1-Dichloroethene-d2	2.13	63	78216	4.15	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 83.00%			
20) 2-Butanone-d5	3.96	46	84244	47.65	ug/L	0.00
Spiked Amount 50.000	Range 40 - 130		Recovery = 95.30%			
24) Chloroform-d	4.38	84	84622	4.38	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 87.60%			
26) 1,2-Dichloroethane-d4	5.06	65	49356	4.80	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 96.00%			
32) Benzene-d6	5.08	84	156198	4.75	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 95.00%			
36) 1,2-Dichloropropane-d6	6.10	67	42813	4.71	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 94.20%			
41) Toluene-d8	7.34	98	143846	4.49	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 89.80%			
45) trans-1,3-Dichloropropene-	7.65	79	20753	4.69	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 93.80%			
48) 2-Hexanone-d5	8.12	63	66263	50.21	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 100.42%			
59) 1,1,2,2-Tetrachloroethane-	10.24	84	29716	4.61	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 92.20%			
65) 1,2-Dichlorobenzene-d4	11.65	152	61703	4.83	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 96.60%			
Target Compounds						Qvalue
3) Chloromethane	1.25	50	36660	3.068	ug/L	100
6) Bromomethane	1.53	94	23663	3.279	ug/L	96
9) Trichlorofluoromethane	1.77	101	144636	6.616	ug/L	99
12) 1,1-Dichloroethene	2.14	96	27848	3.125	ug/L	90
13) Acetone	2.23	43	96088	74.857	ug/L	88
14) Carbon disulfide	2.31	76	122520	4.441	ug/L	100
16) Methylene chloride	2.53	84	20280	1.889	ug/L	93
17) Methyl tert-butyl Ether	2.79	73	179365	8.099	ug/L	97
19) 1,1-Dichloroethane	3.21	63	149358	8.087	ug/L	98
21) 2-Butanone	4.04	43	206871	104.262	ug/L #	42
27) 1,2-Dichloroethane	5.16	62	90248	6.923	ug/L	100
29) 1,1,1-Trichloroethane	4.64	97	154023	7.663	ug/L	96
30) Cyclohexane	4.70	56	155221	10.145	ug/L	98
34) Trichloroethene	5.94	95	52864	4.578	ug/L	97
35) Methylcyclohexane	6.15	83	99716	5.868	ug/L	98
37) 1,2-Dichloropropane	6.20	63	16980	1.939	ug/L	97
42) Toluene	7.41	91	334406	8.007	ug/L	99

Quantitation Report (LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV071420\
Data File : VV017482.D
Acq On : 14 Jul 2020 14:29
Operator : SY/MD
Sample : L3281-23
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAXY3

Quant Time: Jul 15 03:37:22 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR071420WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 15 02:49:58 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
49) Tetrachloroethene	8.00	164	76875	7.822 ug/L	96
50) 2-Hexanone	8.16	43	174701	51.382 ug/L	99
52) 1,2-Dibromoethane	8.38	107	92290	14.401 ug/L	98
53) Chlorobenzene	8.90	112	280277	10.019 ug/L	99
54) Ethylbenzene	9.03	91	289462	6.056 ug/L	99
55) m,p-xylene	9.16	106	227187	12.569 ug/L	98
56) o-xylene	9.57	106	88713	5.074 ug/L	96
57) Styrene	9.58	104	150971	5.131 ug/L	99
58) Isopropylbenzene	9.95	105	150588	3.042 ug/L	99
62) Bromoform	9.75	173	23461	4.884 ug/L	98
64) 1,4-Dichlorobenzene	11.30	146	96564	4.189 ug/L	99
66) 1,2-Dichlorobenzene	11.67	146	246628	11.719 ug/L	98
67) 1,2-Dibromo-3-chloropropan	12.45	75	4794	3.698 ug/L	90
71) 1,2,3-Trichlorobenzene	13.77	180	138364	10.344 ug/L	99

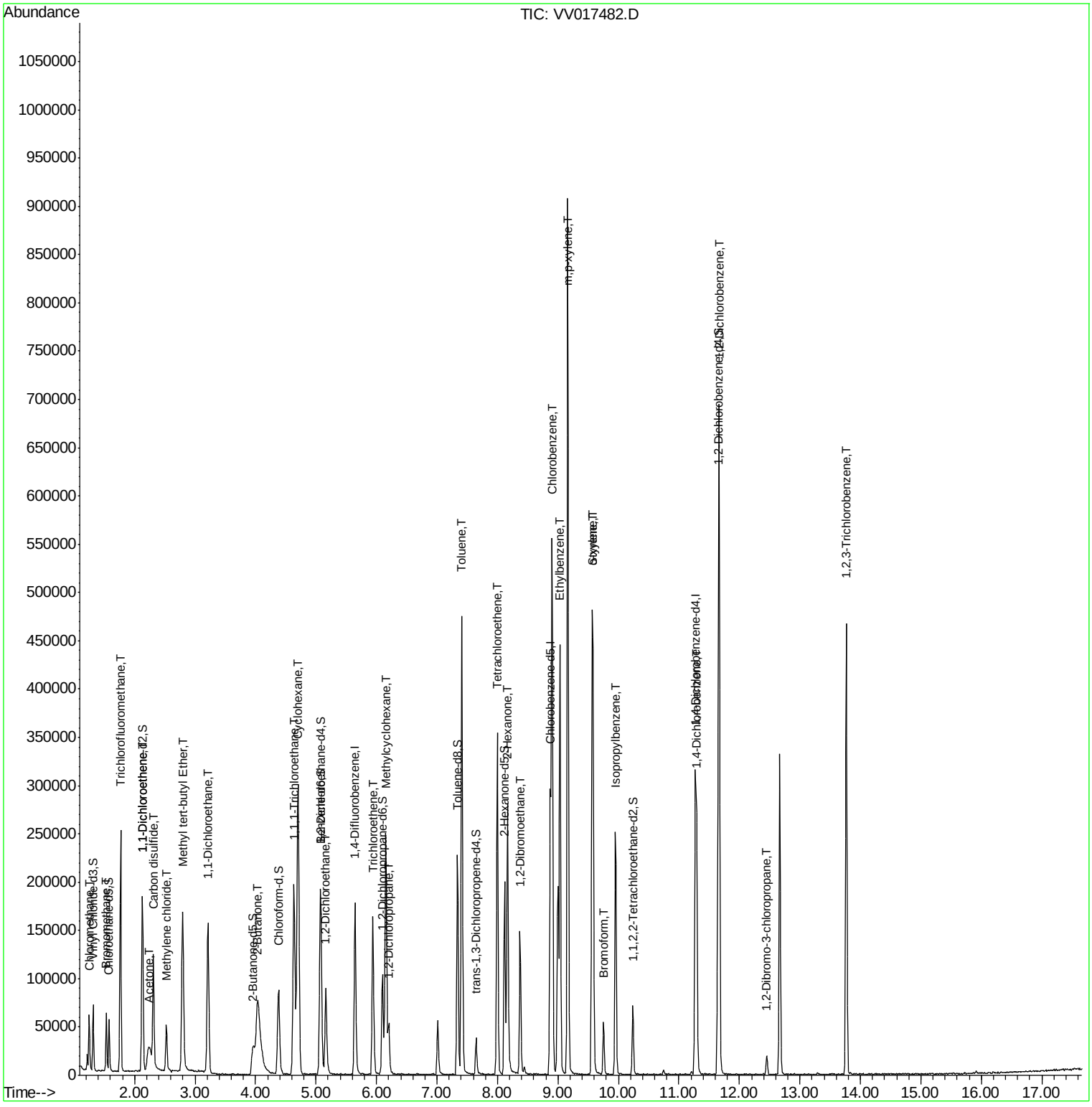
(#) = qualifier out of range (m) = manual integration (+) = signals summed

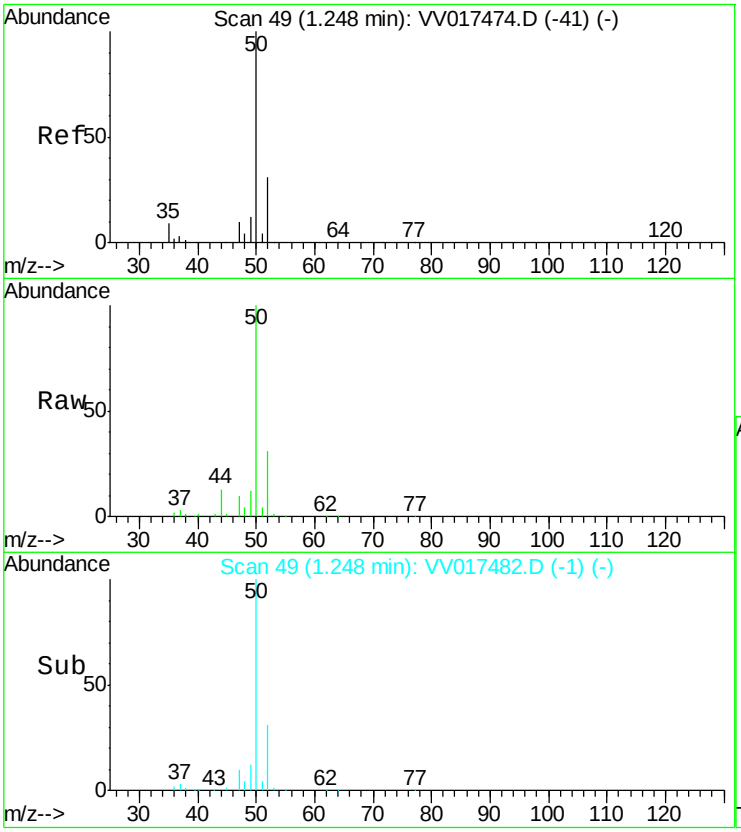
Quantitation Report (LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV071420\
Data File : VV017482.D
Acq On : 14 Jul 2020 14:29
Operator : SY/MD
Sample : L3281-23
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAXY3

Quant Time: Jul 15 03:37:22 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR071420WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 15 02:49:58 2020
Response via : Initial Calibration



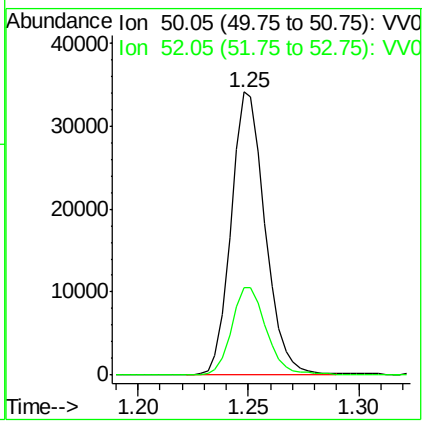


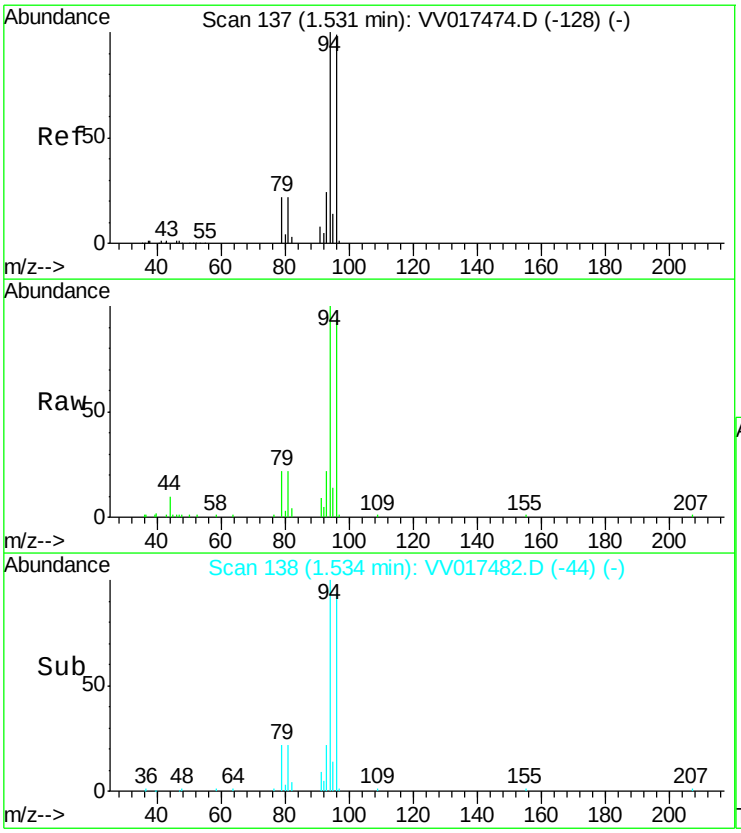
#3
Chloromethane
Concen: 3.068 ug/L
RT: 1.25 min Scan# 49
Delta R.T. -0.00 min
Lab File: VV017482.D
Acq: 14 Jul 2020 14:29

Instrument :
MSVOA_V
ClientSampleId :
GAXY3

Tgt Ion: 50 Resp: 36660

Ion	Ratio	Lower	Upper
50	100		
52	30.9	21.4	39.8

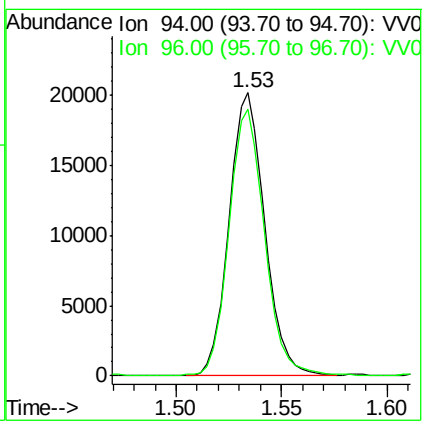


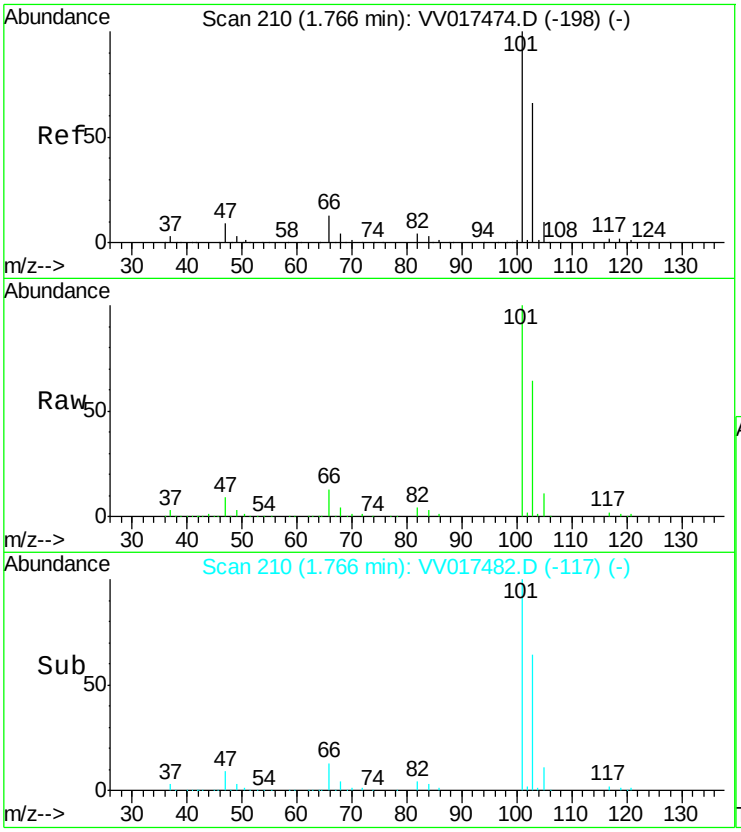


#6
Bromomethane
Concen: 3.279 ug/L
RT: 1.53 min Scan# 138
Delta R.T. 0.00 min
Lab File: VV017482.D
Acq: 14 Jul 2020 14:29

Tgt Ion: 94 Resp: 23663

Ion	Ratio	Lower	Upper
94	100		
96	94.2	69.0	128.2



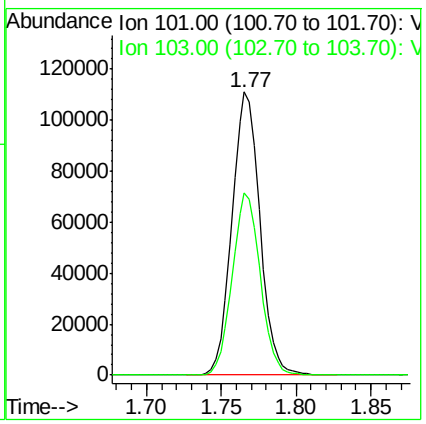


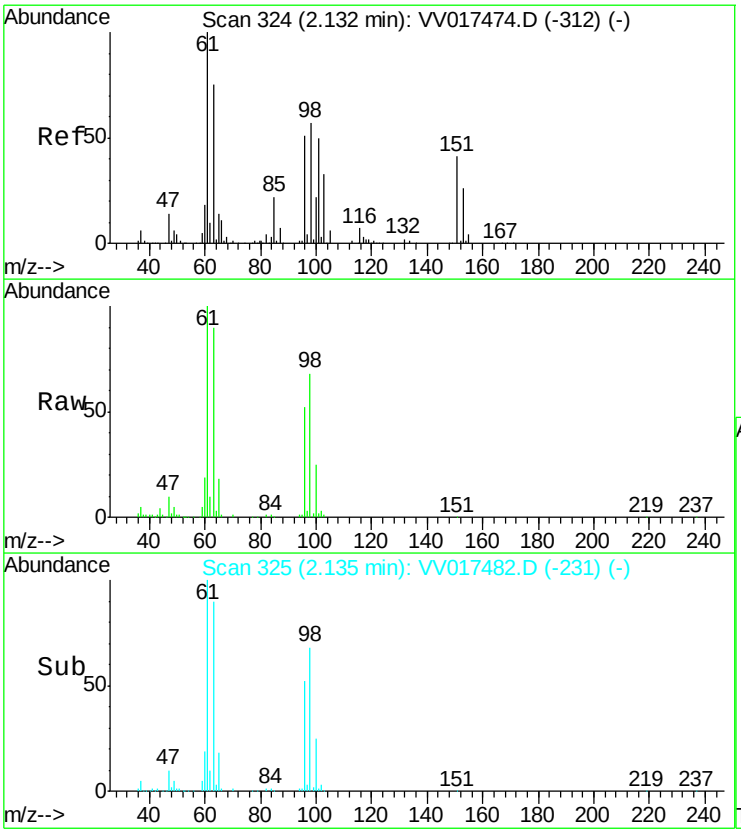
#9
Trichlorofluoromethane
Concen: 6.616 ug/L
RT: 1.77 min Scan# 210
Delta R.T. -0.00 min
Lab File: VV017482.D
Acq: 14 Jul 2020 14:29

Instrument : MSVOA_V
ClientSampleId : GAXY3

Tgt Ion:101 Resp: 144636

Ion	Ratio	Lower	Upper
101	100		
103	64.6	52.3	78.5

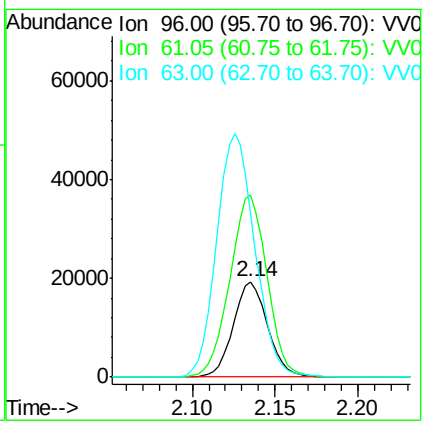


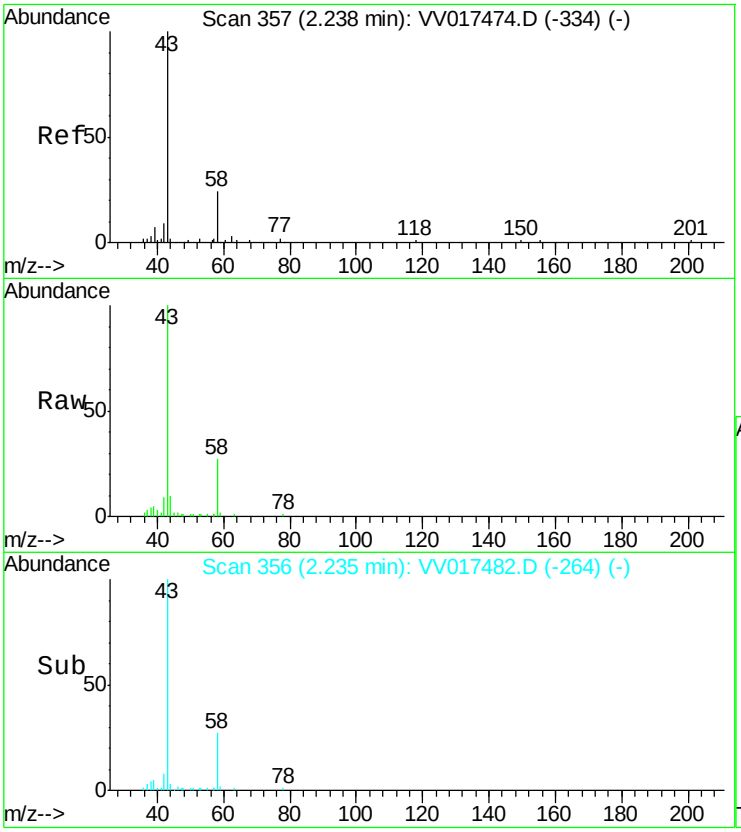


#12
1,1-Dichloroethene
Concen: 3.125 ug/L
RT: 2.14 min Scan# 325
Delta R.T. 0.00 min
Lab File: VV017482.D
Acq: 14 Jul 2020 14:29

Tgt Ion: 96 Resp: 27848

Ion	Ratio	Lower	Upper
96	100		
61	191.4	137.2	254.8
63	172.5	103.6	192.4



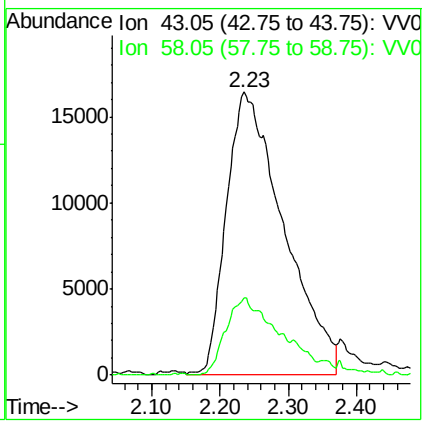


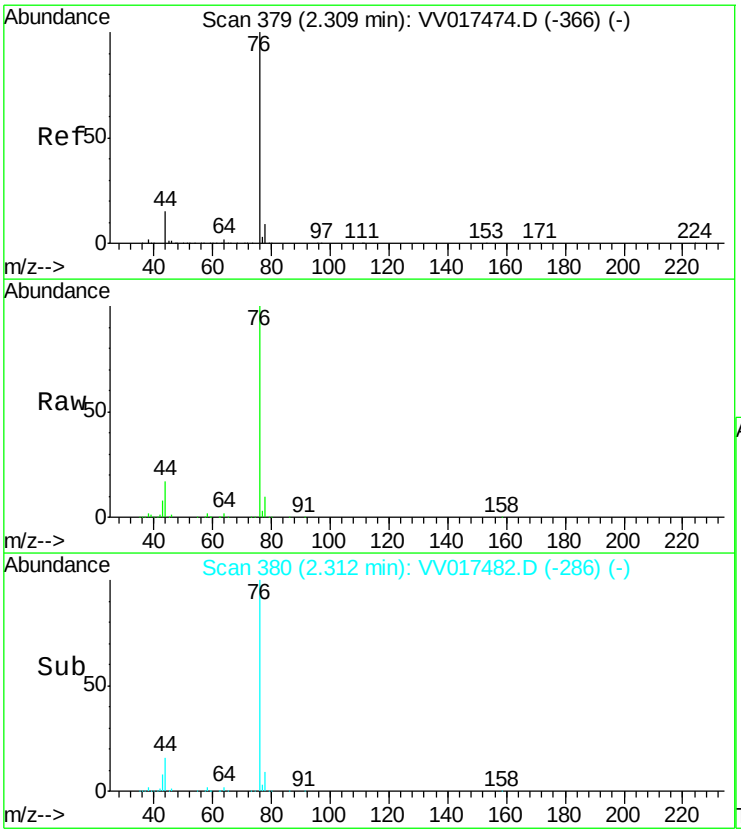
#13
Acetone
Concen: 74.857 ug/L
RT: 2.23 min Scan# 356
Delta R.T. -0.00 min
Lab File: VV017482.D
Acq: 14 Jul 2020 14:29

Instrument : MSVOA_V
ClientSampleId : GAXY3

Tgt Ion: 43 Resp: 96088

Ion	Ratio	Lower	Upper
43	100		
58	21.9	0.0	33.6

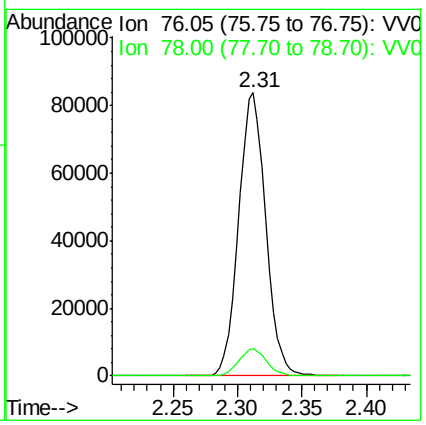


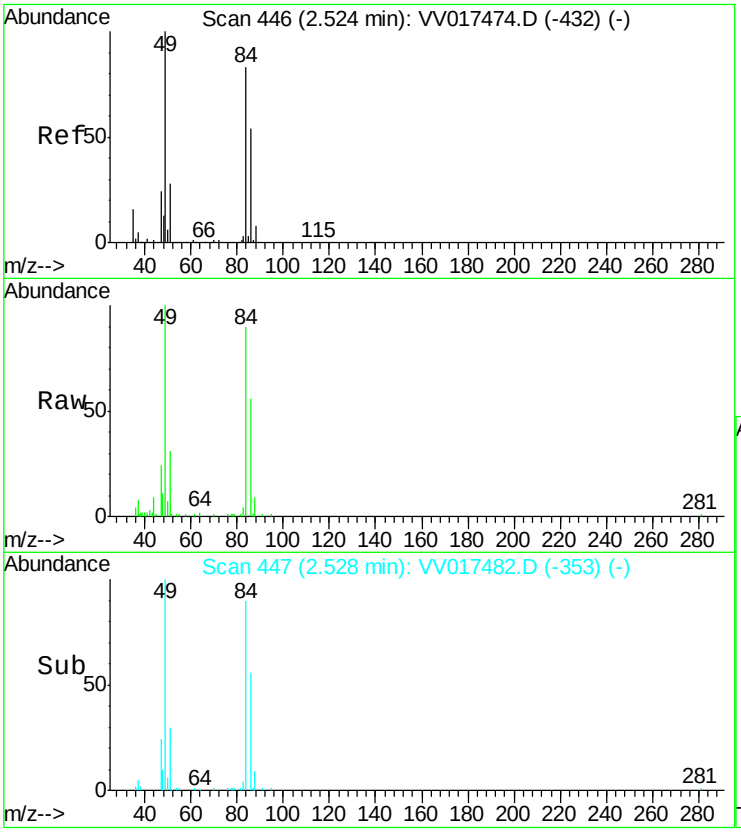


#14
Carbon disulfide
Concen: 4.441 ug/L
RT: 2.31 min Scan# 380
Delta R.T. 0.00 min
Lab File: VV017482.D
Acq: 14 Jul 2020 14:29

Tgt Ion: 76 Resp: 122520

Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.5	11.3



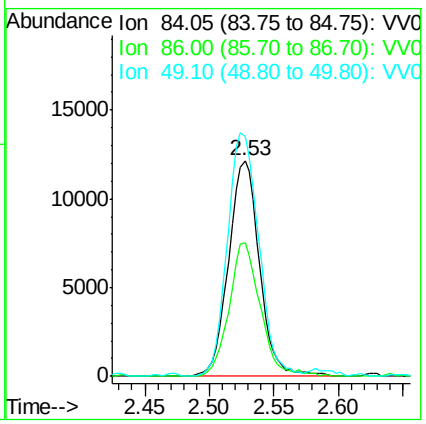


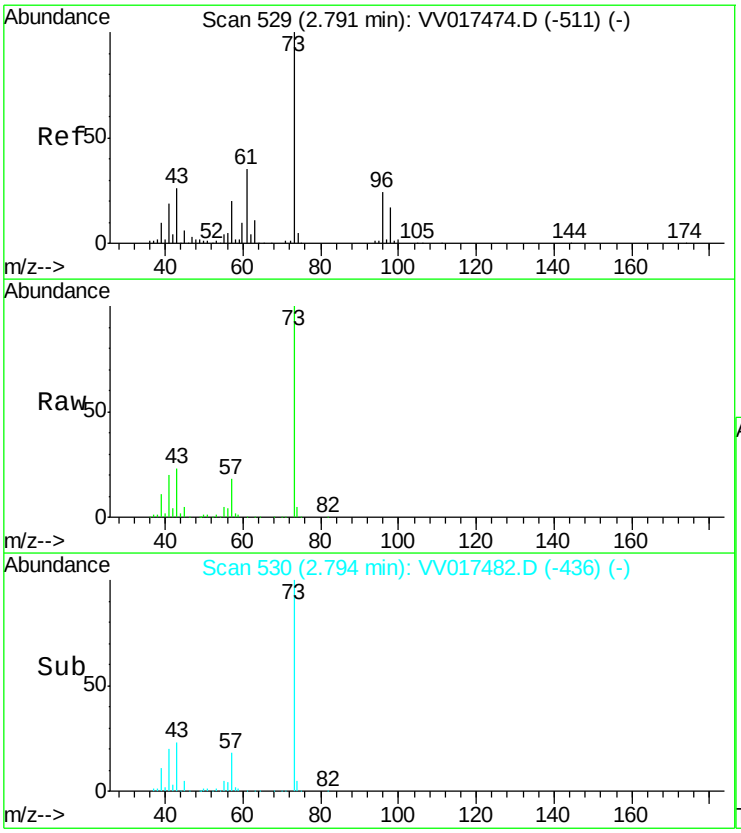
#16
Methylene chloride
Concen: 1.889 ug/L
RT: 2.53 min Scan# 447
Delta R.T. 0.00 min
Lab File: VV017482.D
Acq: 14 Jul 2020 14:29

Instrument :
MSVOA_V
ClientSampleId :
GAXY3

Tgt Ion: 84 Resp: 20280

Ion	Ratio	Lower	Upper
84	100		
86	61.8	45.5	84.5
49	111.1	84.6	157.0

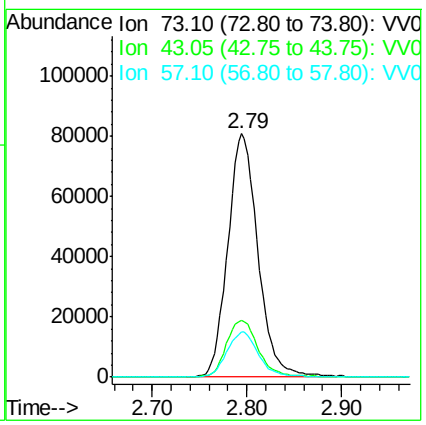


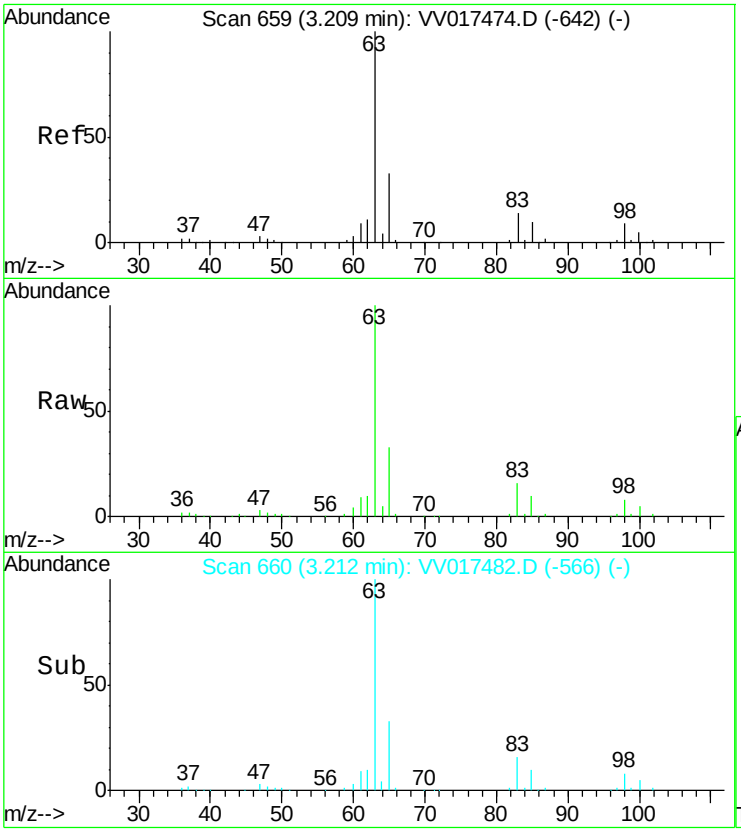


#17
Methyl tert-butyl Ether
Concen: 8.099 ug/L
RT: 2.79 min Scan# 530
Delta R.T. 0.00 min
Lab File: VV017482.D
Acq: 14 Jul 2020 14:29

Tgt Ion: 73 Resp: 179365

Ion	Ratio	Lower	Upper
73	100		
43	24.0	20.4	30.6
57	19.4	16.7	25.1



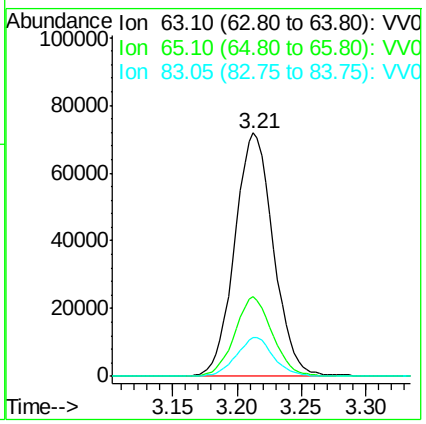


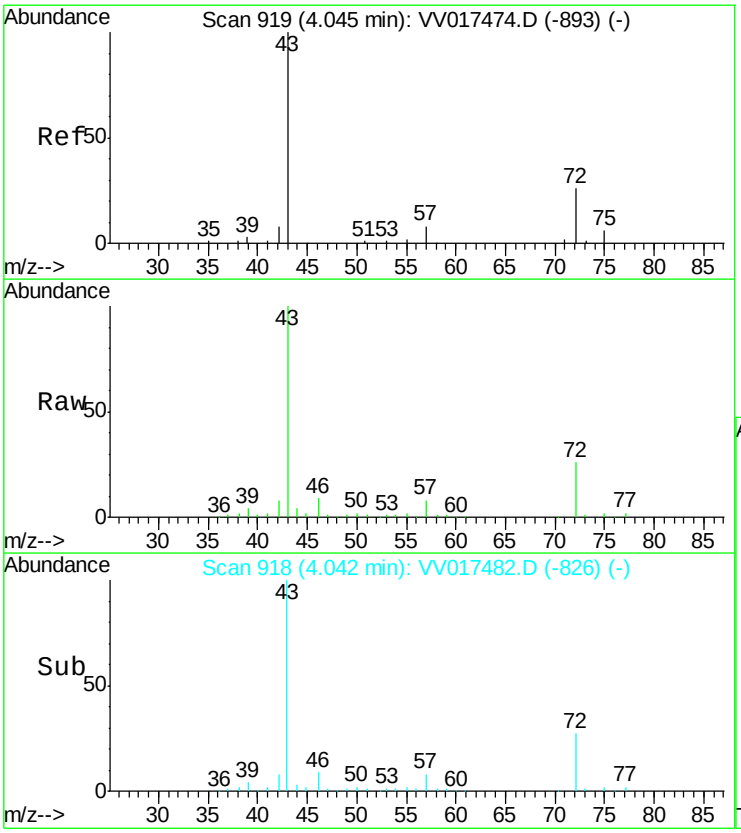
#19
1,1-Dichloroethane
Concen: 8.087 ug/L
RT: 3.21 min Scan# 660
Delta R.T. 0.00 min
Lab File: VV017482.D
Acq: 14 Jul 2020 14:29

Instrument :
MSVOA_V
ClientSampleId :
GAXY3

Tgt Ion: 63 Resp: 149358

Ion	Ratio	Lower	Upper
63	100		
65	32.6	23.2	43.0
83	16.2	10.1	18.7

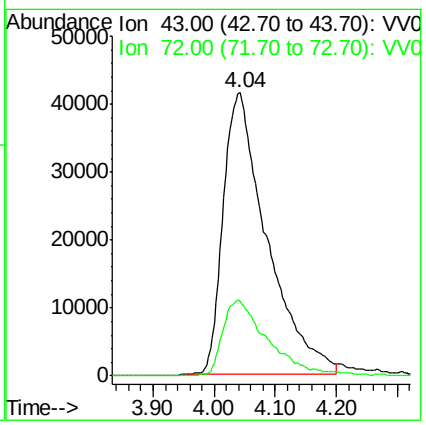


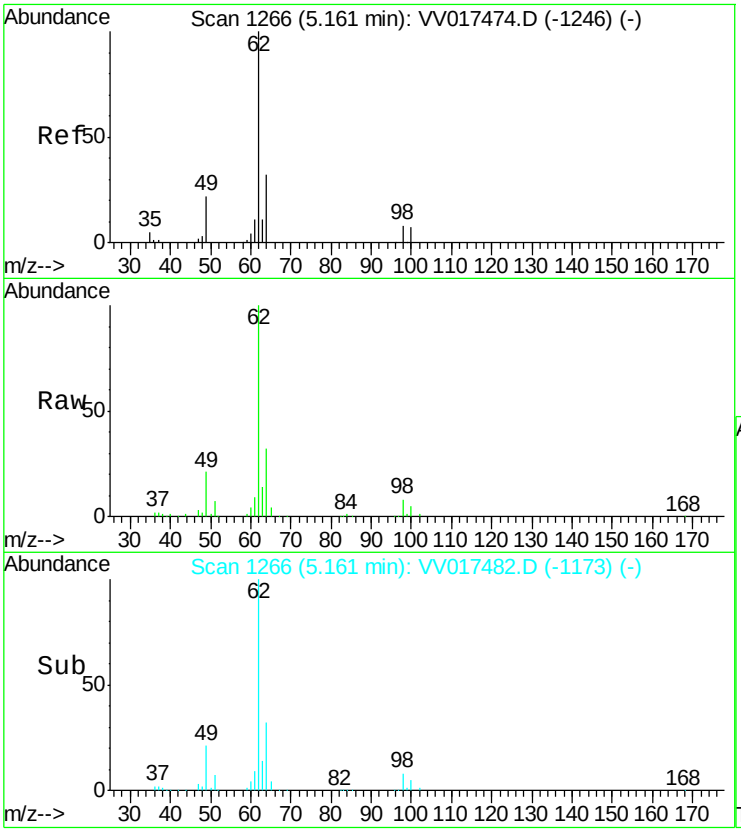


#21
2-Butanone
Concen: 104.262 ug/L
RT: 4.04 min Scan# 918
Delta R.T. -0.00 min
Lab File: VV017482.D
Acq: 14 Jul 2020 14:29

Tgt Ion: 43 Resp: 206871

Ion	Ratio	Lower	Upper
43	100		
72	26.5	3.4	10.1#



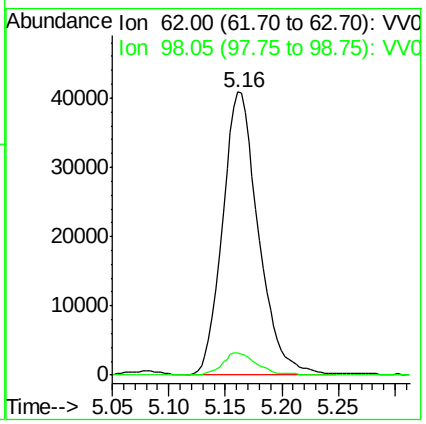


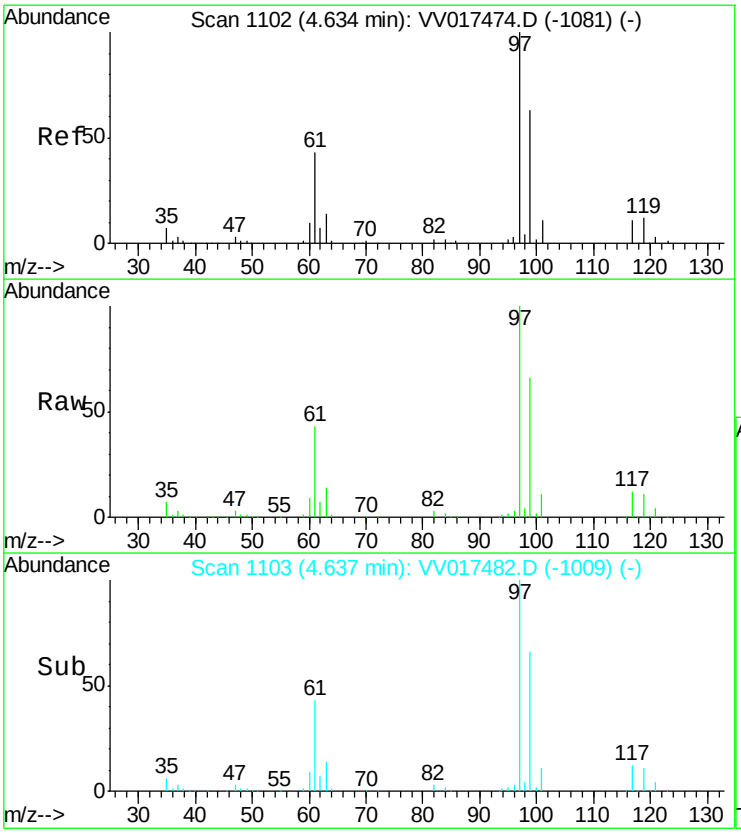
#27
1,2-Dichloroethane
Concen: 6.923 ug/L
RT: 5.16 min Scan# 1266
Delta R.T. -0.00 min
Lab File: VV017482.D
Acq: 14 Jul 2020 14:29

Instrument :
MSVOA_V
ClientSampleId :
GAXY3

Tgt Ion: 62 Resp: 90248

Ion	Ratio	Lower	Upper
62	100		
98	7.8	6.2	9.2

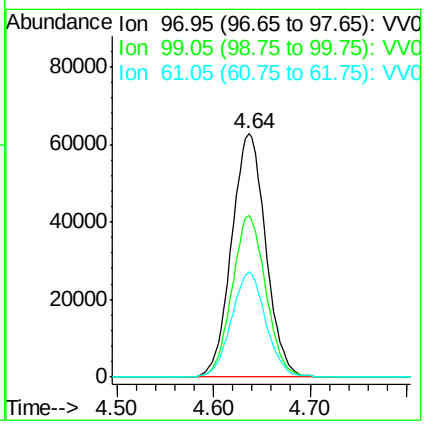


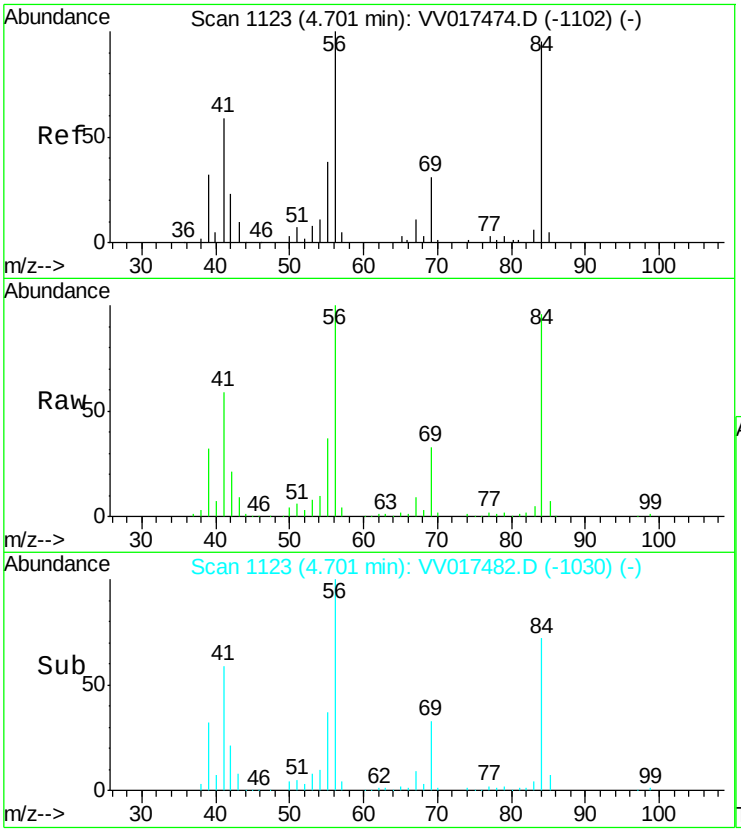


#29
1,1,1-Trichloroethane
Concen: 7.663 ug/L
RT: 4.64 min Scan# 1103
Delta R.T. 0.00 min
Lab File: VV017482.D
Acq: 14 Jul 2020 14:29

Tgt Ion: 97 Resp: 154023

Ion	Ratio	Lower	Upper
97	100		
99	65.6	49.1	73.7
61	43.5	34.3	51.5



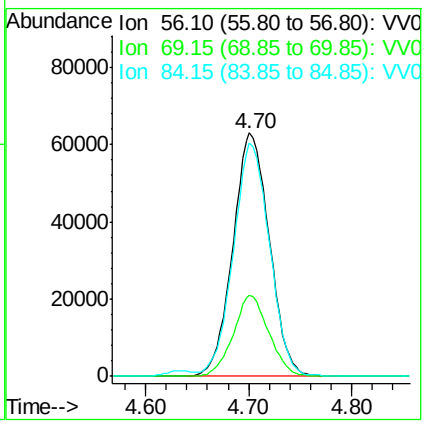


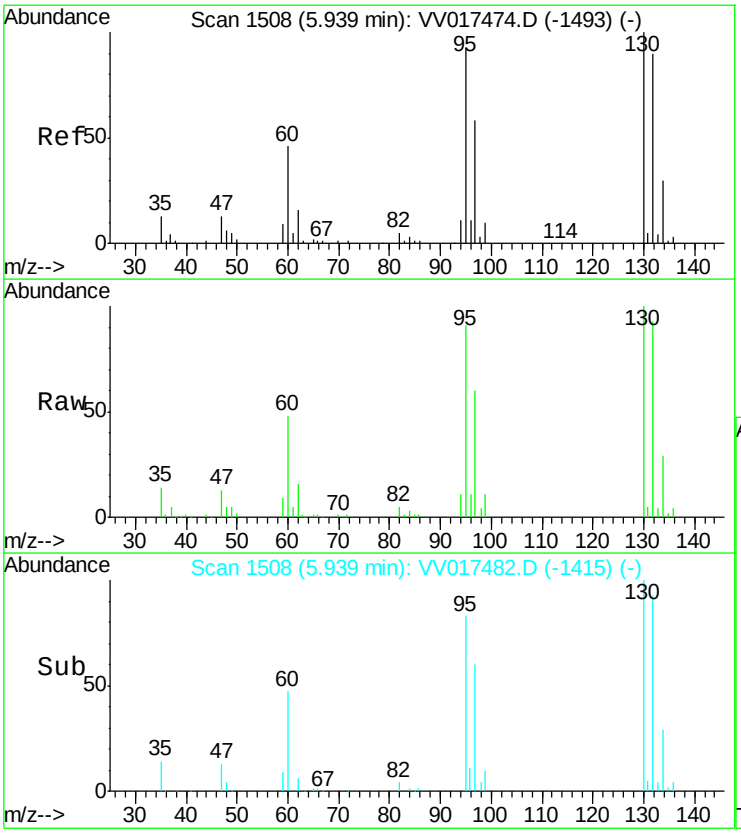
#30
Cyclohexane
Concen: 10.145 ug/L
RT: 4.70 min Scan# 1123
Delta R.T. -0.00 min
Lab File: VV017482.D
Acq: 14 Jul 2020 14:29

Instrument :
MSVOA_V
ClientSampleId :
GAXY3

Tgt Ion: 56 Resp: 155221

Ion	Ratio	Lower	Upper
56	100		
69	32.4	26.0	39.0
84	95.4	77.9	116.9

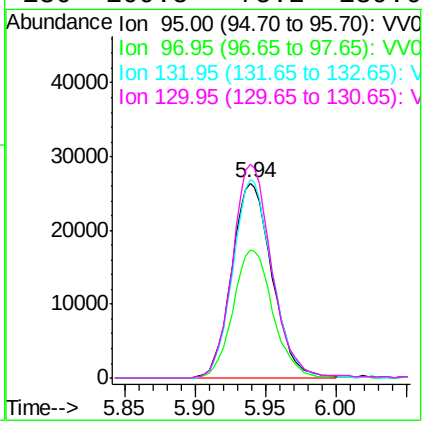


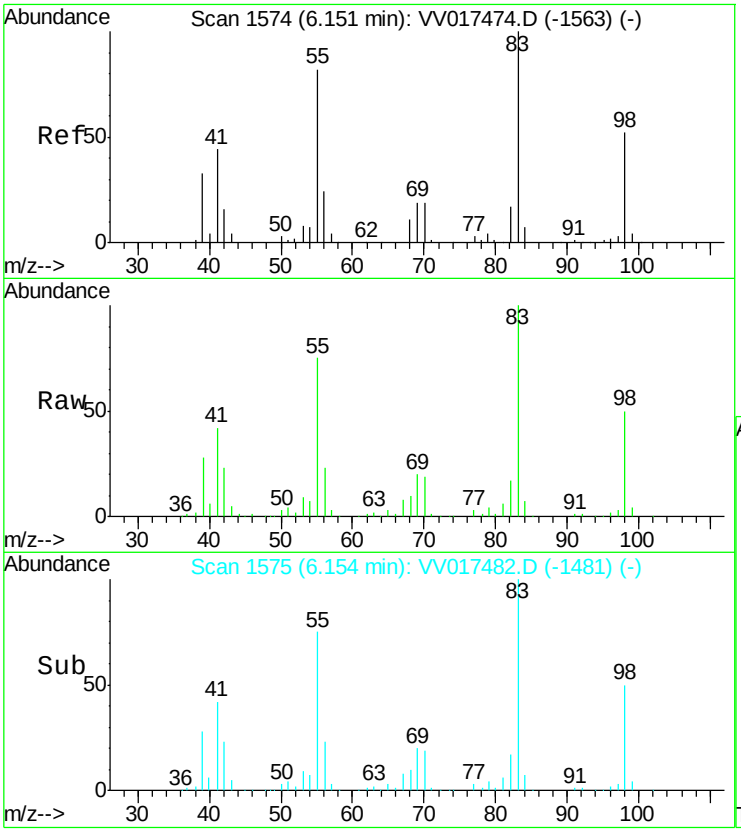


#34
Trichloroethene
Concen: 4.578 ug/L
RT: 5.94 min Scan# 1508
Delta R.T. -0.00 min
Lab File: VV017482.D
Acq: 14 Jul 2020 14:29

Tgt Ion: 95 Resp: 52864

Ion	Ratio	Lower	Upper
95	100		
97	65.4	43.9	81.5
132	101.8	67.9	126.1
130	109.5	75.2	139.6



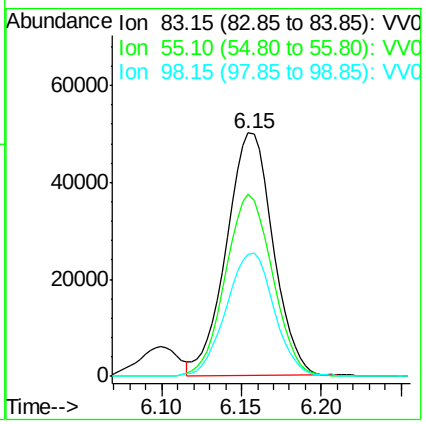


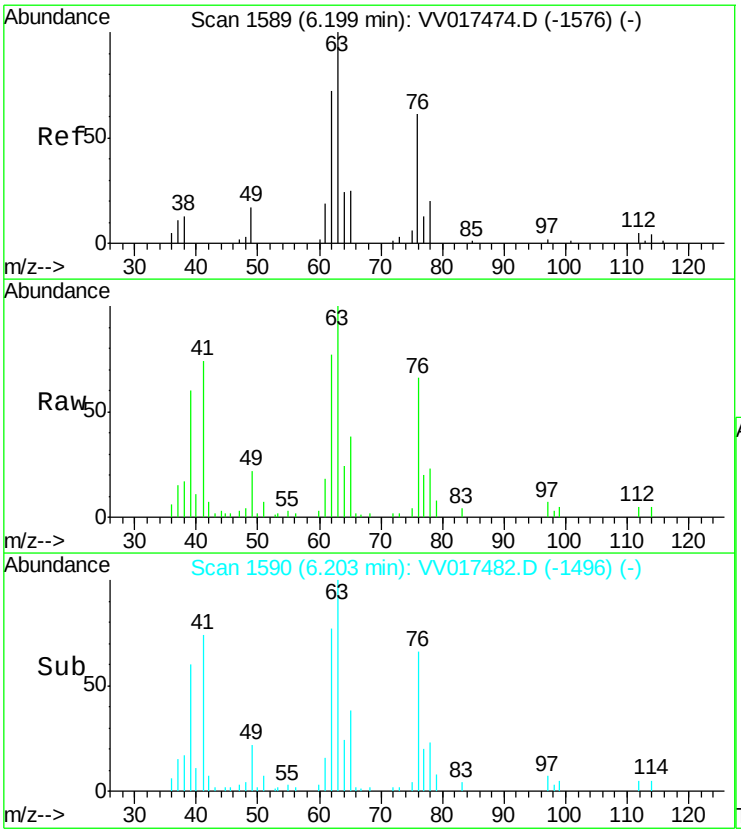
#35
Methylcyclohexane
Concen: 5.868 ug/L
RT: 6.15 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VV017482.D
Acq: 14 Jul 2020 14:29

Instrument : MSVOA_V
ClientSampleId : GAXY3

Tgt Ion: 83 Resp: 99716

Ion	Ratio	Lower	Upper
83	100		
55	75.7	62.0	93.0
98	52.3	41.4	62.2

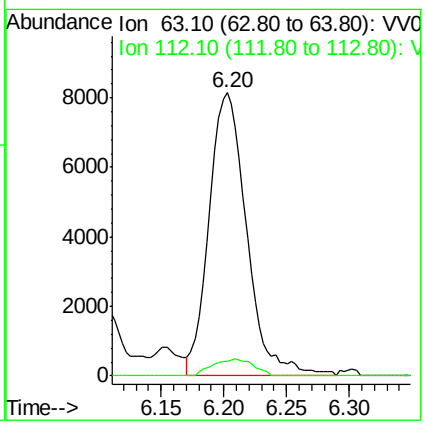


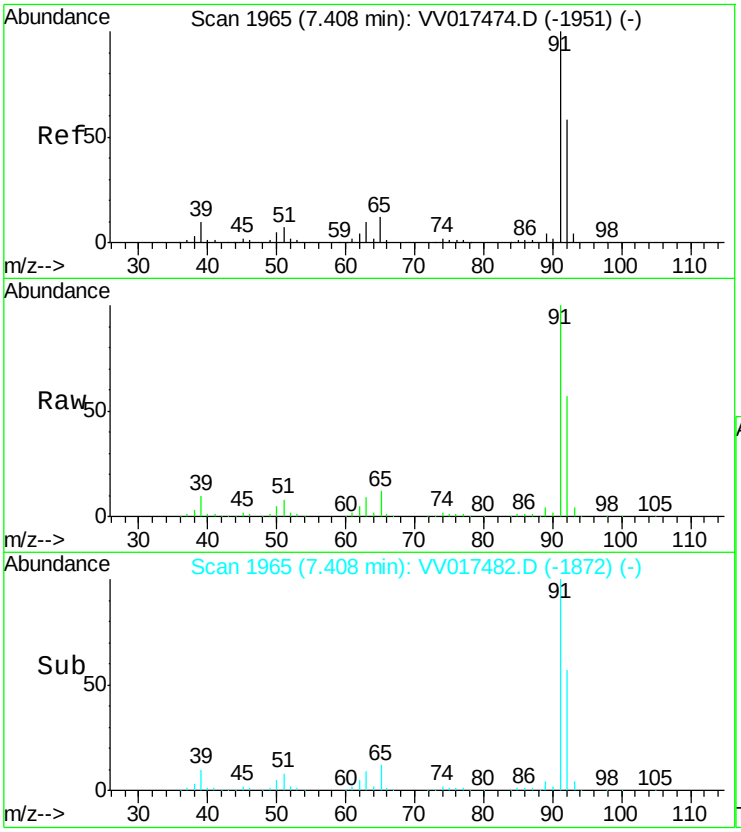


#37
1,2-Dichloropropane
Concen: 1.939 ug/L
RT: 6.20 min Scan# 1590
Delta R.T. 0.00 min
Lab File: VV017482.D
Acq: 14 Jul 2020 14:29

Tgt Ion: 63 Resp: 16980

Ion	Ratio	Lower	Upper
63	100		
112	6.4	4.4	6.6



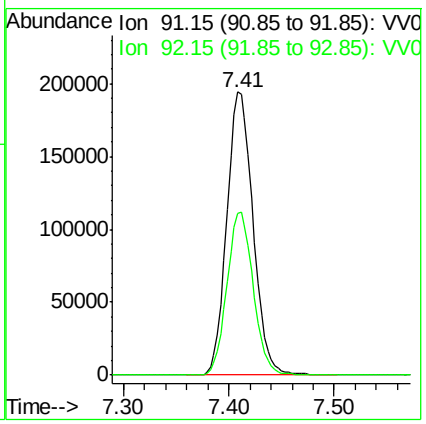


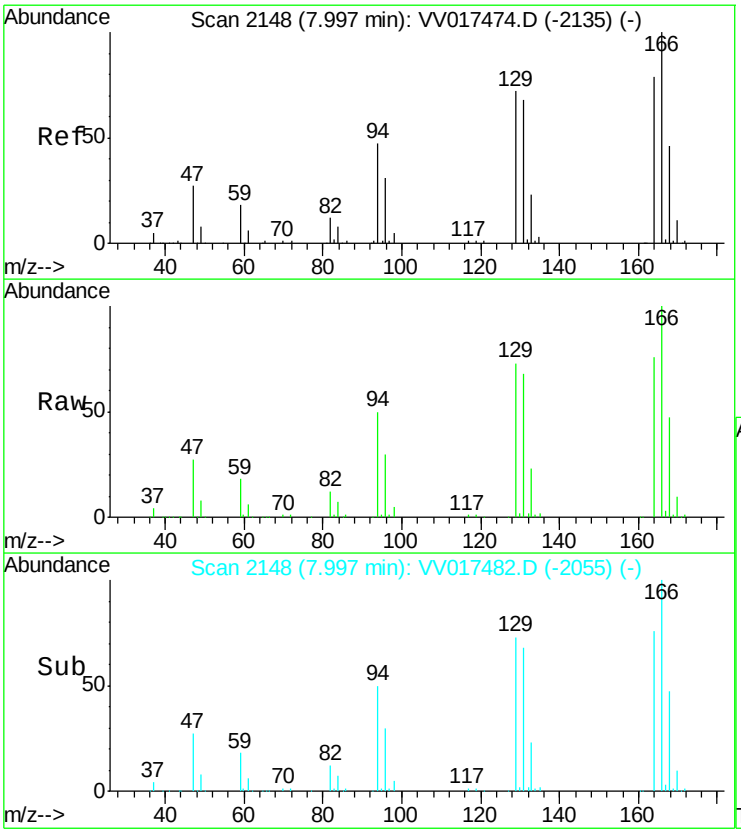
#42
Toluene
Concen: 8.007 ug/L
RT: 7.41 min Scan# 1965
Delta R.T. -0.00 min
Lab File: VV017482.D
Acq: 14 Jul 2020 14:29

Instrument : MSVOA_V
ClientSampleId : GAXY3

Tgt Ion: 91 Resp: 334406

Ion	Ratio	Lower	Upper
91	100		
92	57.4	40.7	75.5

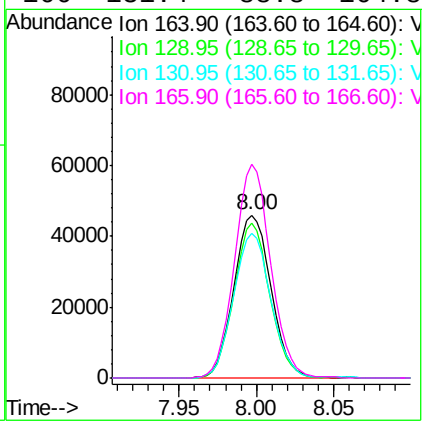


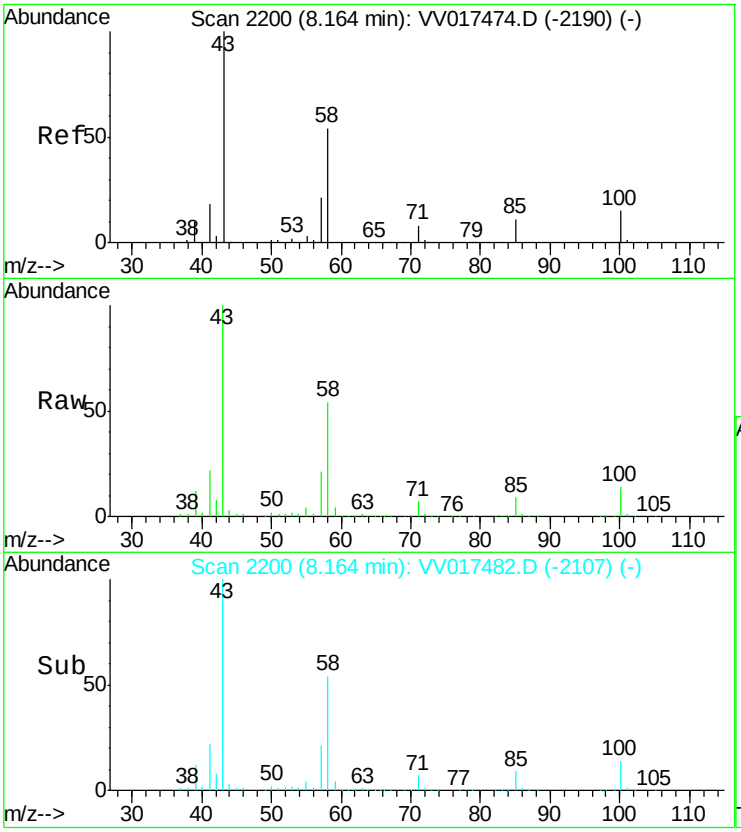


#49
Tetrachloroethene
Concen: 7.822 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. -0.00 min
Lab File: VV017482.D
Acq: 14 Jul 2020 14:29

Tgt Ion:164 Resp: 76875

Ion	Ratio	Lower	Upper
164	100		
129	95.5	64.1	119.1
131	89.1	60.6	112.6
166	131.4	88.8	164.8



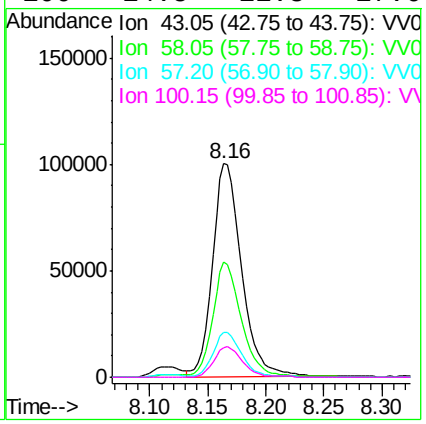


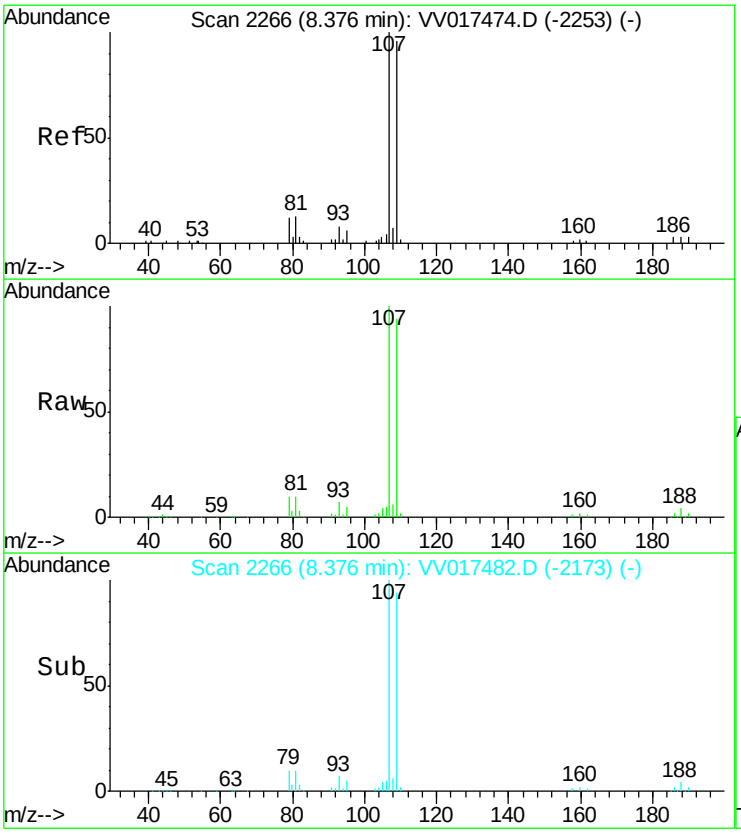
#50
2-Hexanone
Concen: 51.382 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. -0.00 min
Lab File: VV017482.D
Acq: 14 Jul 2020 14:29

Instrument :
MSVOA_V
ClientSampleId :
GAXY3

Tgt Ion: 43 Resp: 174701

Ion	Ratio	Lower	Upper
43	100		
58	52.3	43.0	64.4
57	21.0	16.8	25.2
100	14.5	11.8	17.6

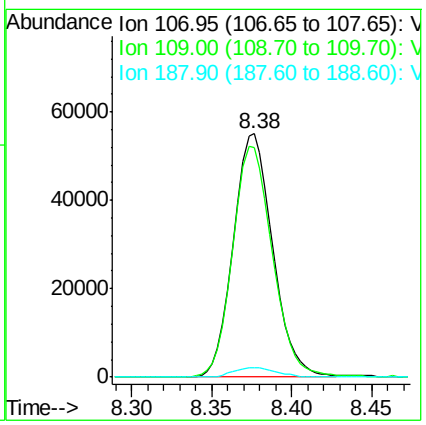


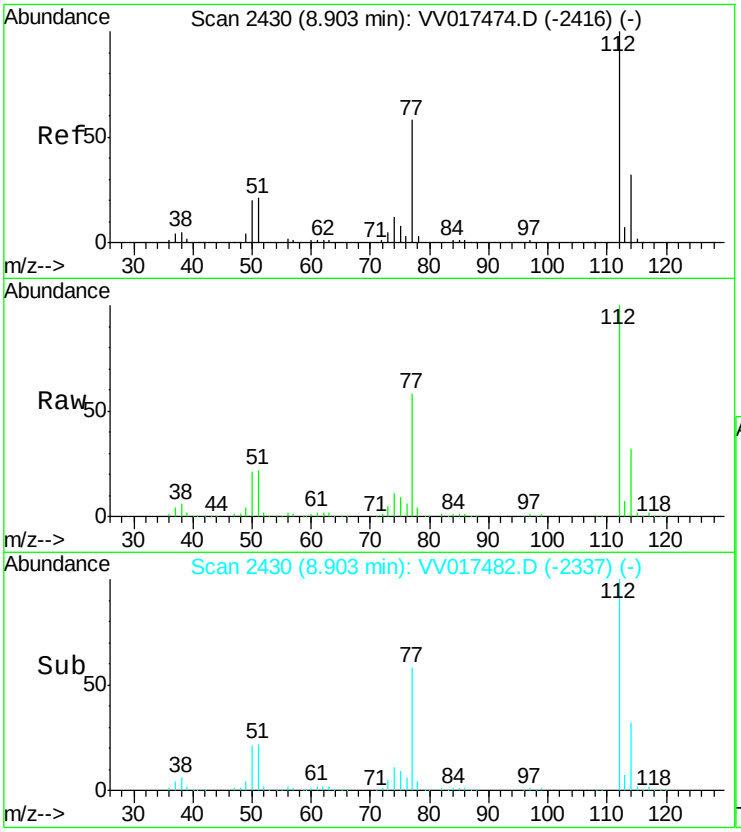


#52
1,2-Dibromoethane
Concen: 14.401 ug/L
RT: 8.38 min Scan# 2266
Delta R.T. -0.00 min
Lab File: VV017482.D
Acq: 14 Jul 2020 14:29

Tgt Ion:107 Resp: 92290

Ion	Ratio	Lower	Upper
107	100		
109	94.0	67.0	124.4
188	3.8	2.7	4.1



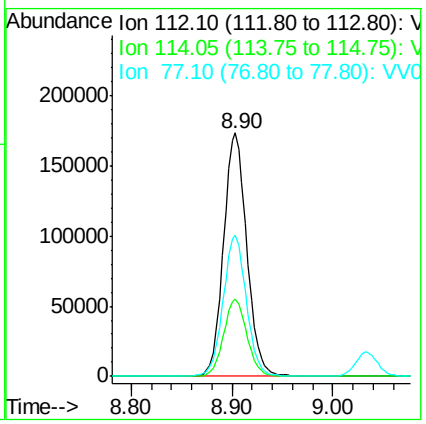


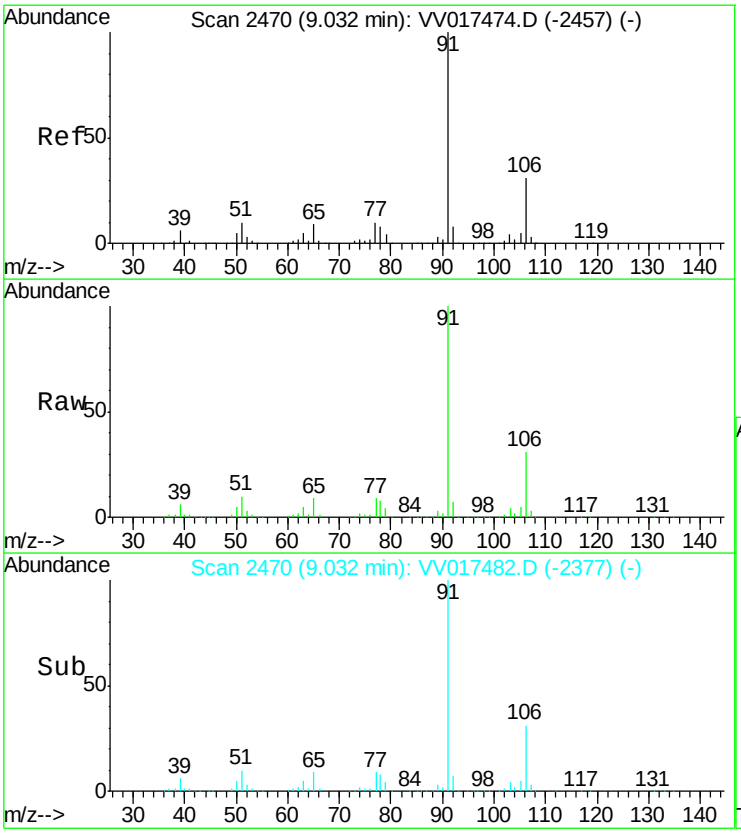
#53
Chlorobenzene
Concen: 10.019 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. -0.00 min
Lab File: VV017482.D
Acq: 14 Jul 2020 14:29

Instrument :
MSVOA_V
ClientSampleId :
GAXY3

Tgt Ion:112 Resp: 280277

Ion	Ratio	Lower	Upper
112	100		
114	31.8	22.4	41.6
77	58.1	47.0	70.4

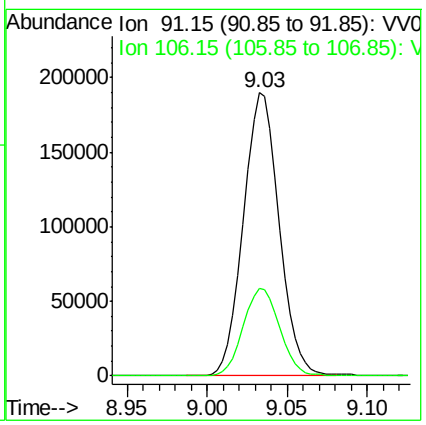


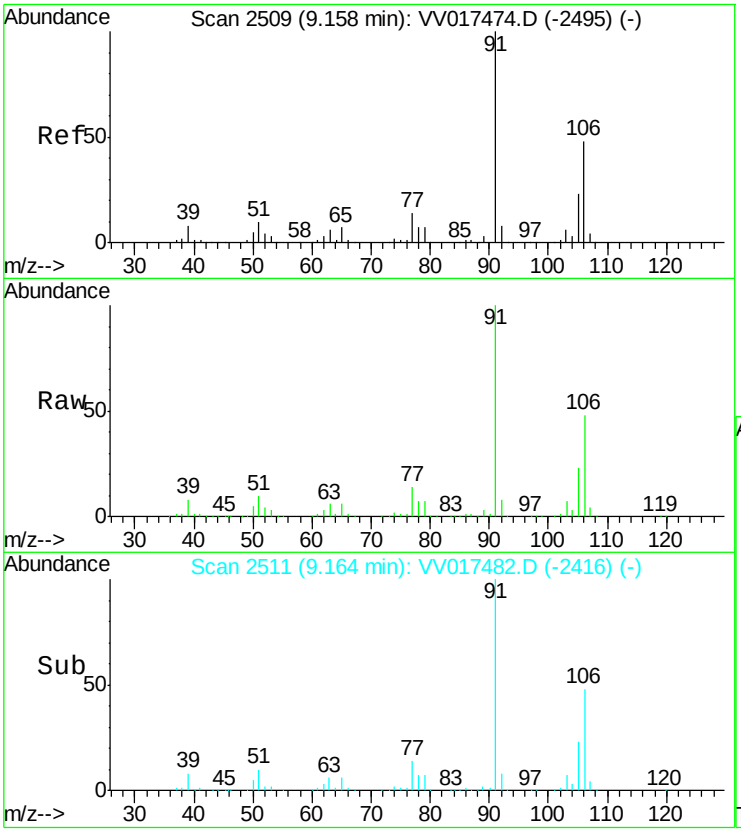


#54
Ethylbenzene
Concen: 6.056 ug/L
RT: 9.03 min Scan# 2470
Delta R.T. -0.00 min
Lab File: VV017482.D
Acq: 14 Jul 2020 14:29

Tgt Ion: 91 Resp: 289462

Ion	Ratio	Lower	Upper
91	100		
106	31.0	21.9	40.7



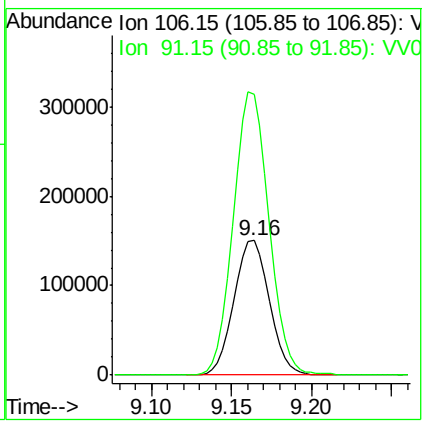


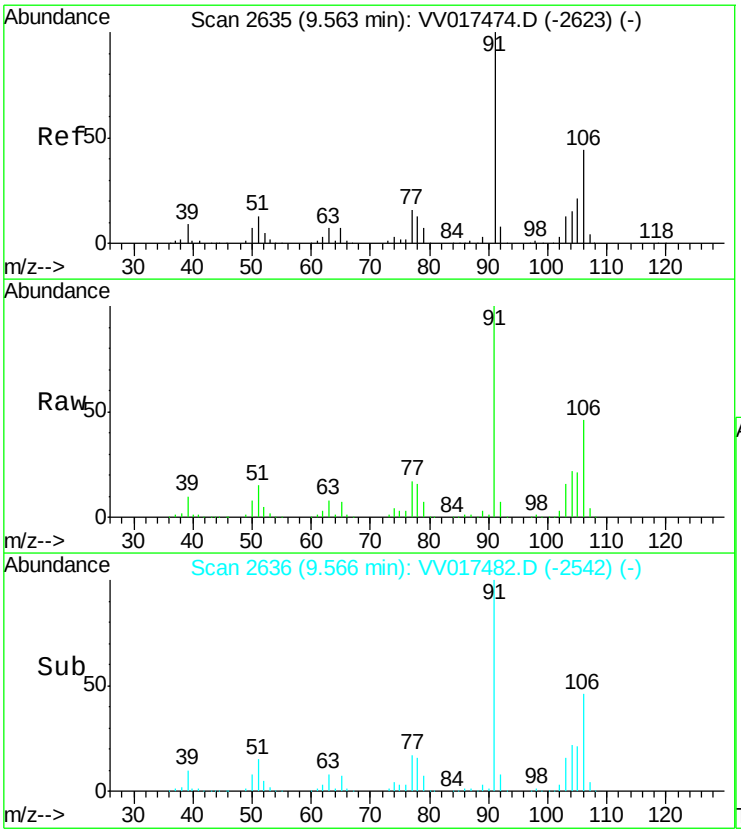
#55
m,p-xylene
Concen: 12.569 ug/L
RT: 9.16 min Scan# 2511
Delta R.T. 0.01 min
Lab File: VV017482.D
Acq: 14 Jul 2020 14:29

Instrument :
MSVOA_V
ClientSampleId :
GAXY3

Tgt Ion:106 Resp: 227187

Ion	Ratio	Lower	Upper
106	100		
91	208.9	144.2	267.8

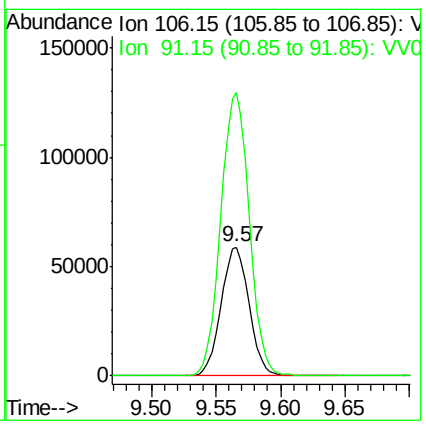


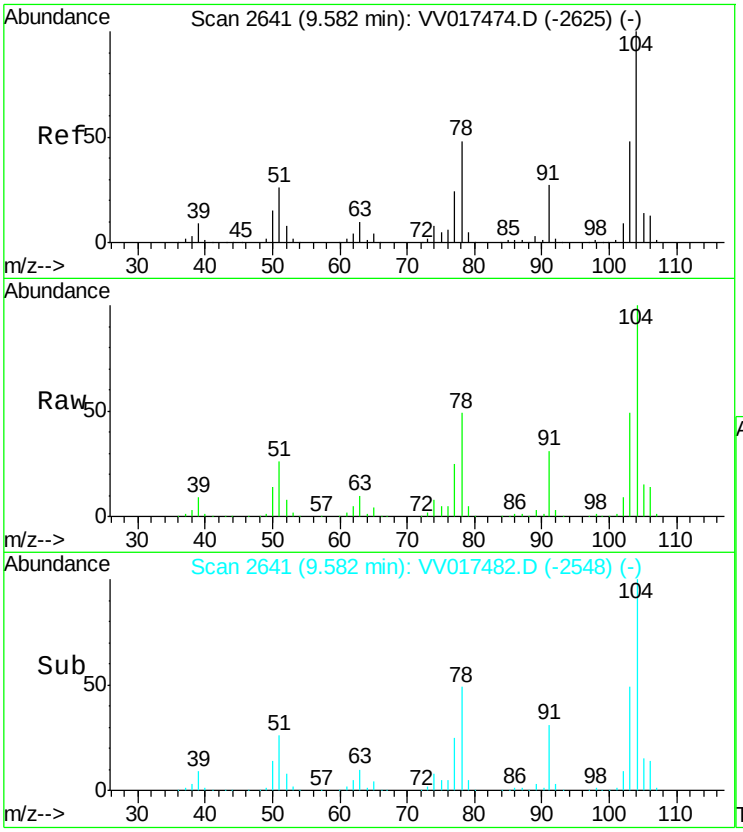


#56
o-xylene
Concen: 5.074 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV017482.D
Acq: 14 Jul 2020 14:29

Tgt Ion:106 Resp: 88713

Ion	Ratio	Lower	Upper
106	100		
91	219.7	158.8	294.8



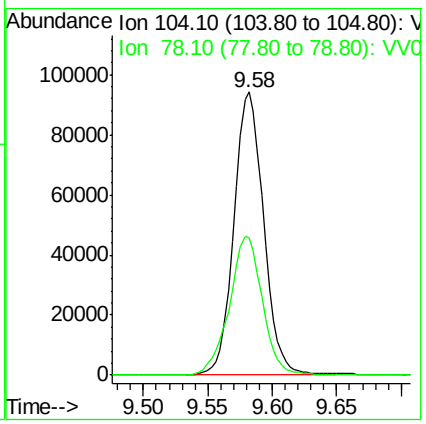


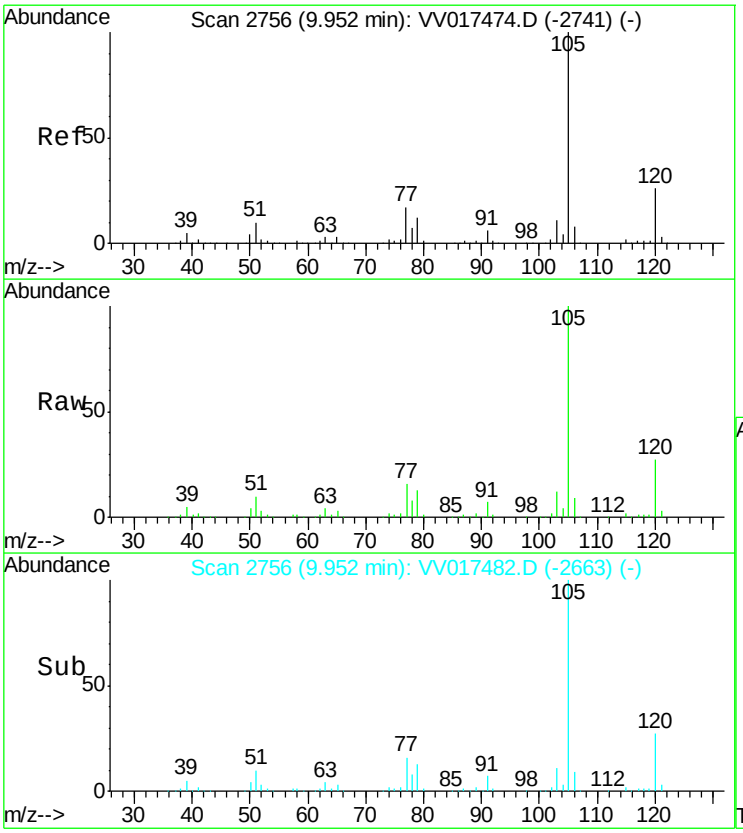
#57
Stvrene
Concen: 5.131 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. -0.00 min
Lab File: VV017482.D
Acq: 14 Jul 2020 14:29

Instrument :
MSVOA_V
ClientSampleId :
GAXY3

Tgt Ion:104 Resp: 150971

Ion	Ratio	Lower	Upper
104	100		
78	48.7	33.5	62.1

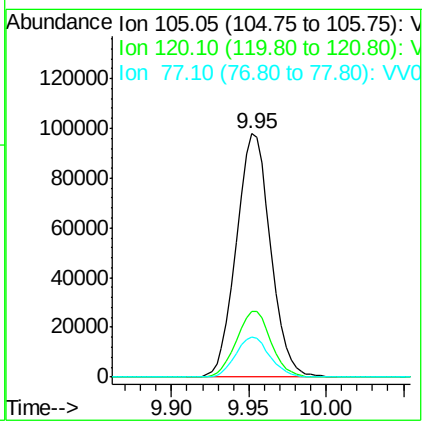


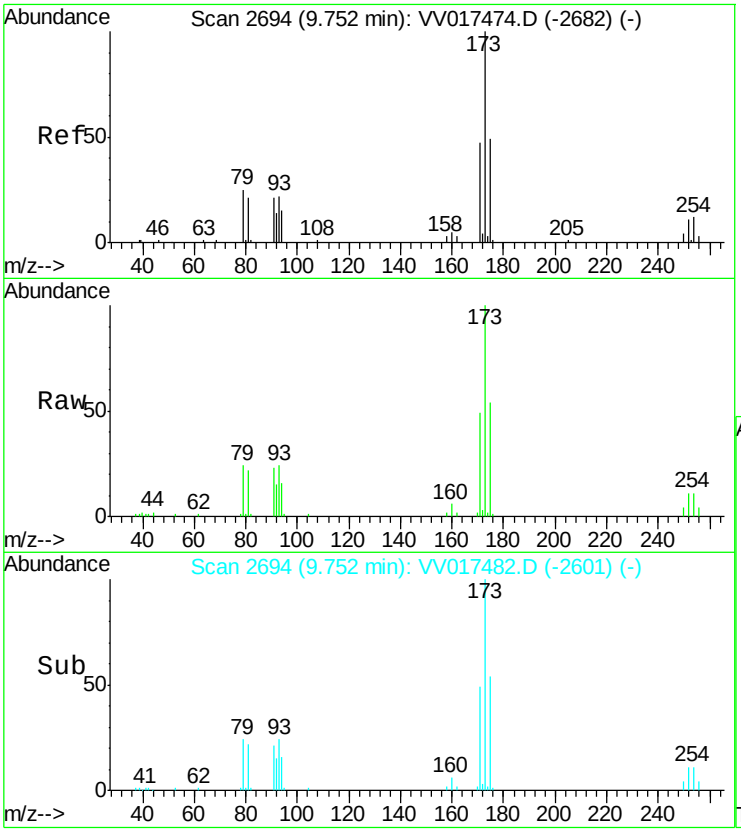


#58
Isopropylbenzene
Concen: 3.042 ug/L
RT: 9.95 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VV017482.D
Acq: 14 Jul 2020 14:29

Tgt Ion:105 Resp: 150588

Ion	Ratio	Lower	Upper
105	100		
120	27.7	21.3	31.9
77	16.5	13.3	19.9



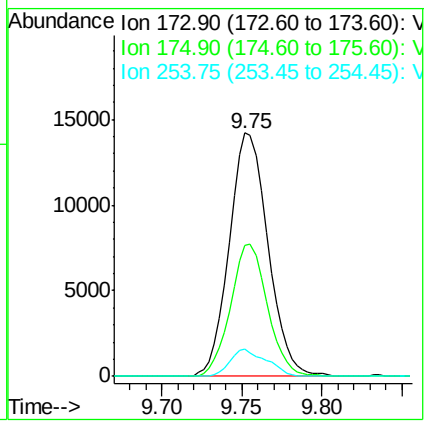


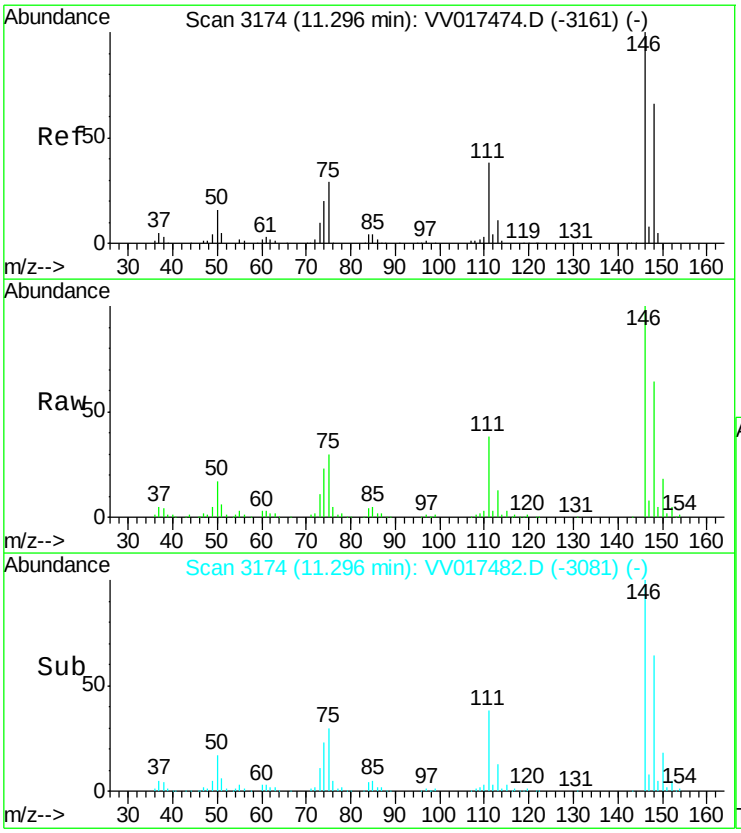
#62
Bromoform
Concen: 4.884 ug/L
RT: 9.75 min Scan# 2694
Delta R.T. -0.00 min
Lab File: VV017482.D
Acq: 14 Jul 2020 14:29

Instrument : MSVOA_V
ClientSampleId : GAXY3

Tgt Ion:173 Resp: 23461

Ion	Ratio	Lower	Upper
173	100		
175	51.7	39.8	59.8
254	10.5	8.5	12.7

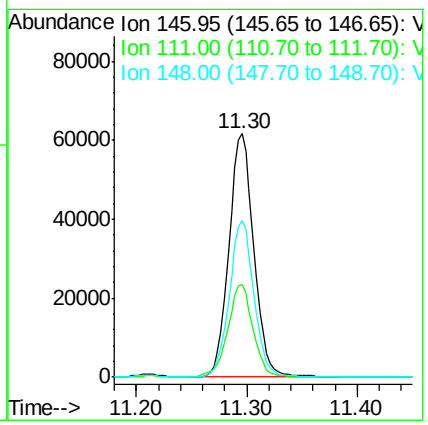


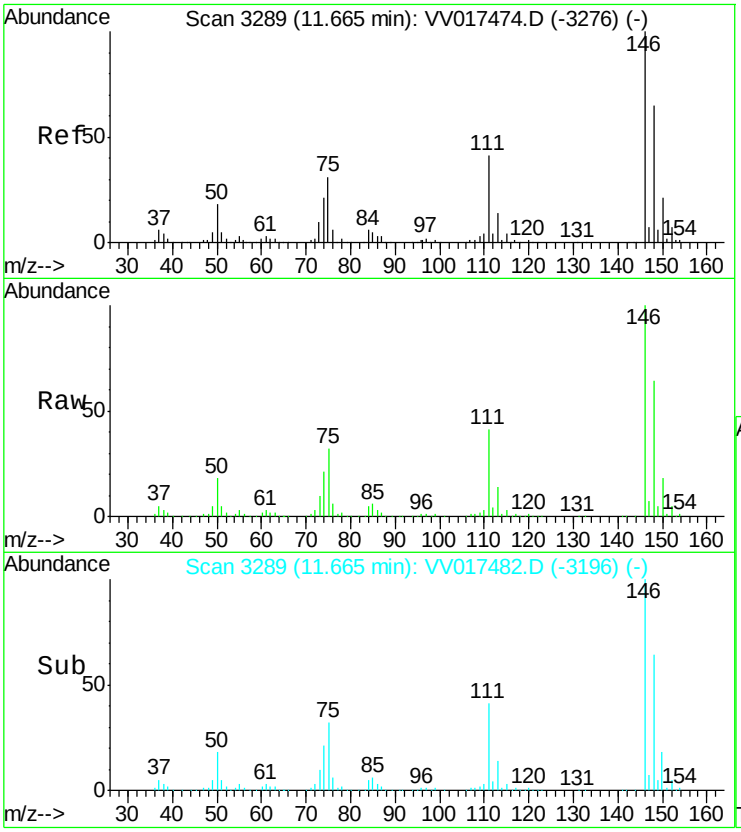


#64
1,4-Dichlorobenzene
Concen: 4.189 ug/L
RT: 11.30 min Scan# 3174
Delta R.T. -0.00 min
Lab File: VV017482.D
Acq: 14 Jul 2020 14:29

Tgt Ion:146 Resp: 96564

Ion	Ratio	Lower	Upper
146	100		
111	38.1	26.9	50.1
148	64.3	46.1	85.5



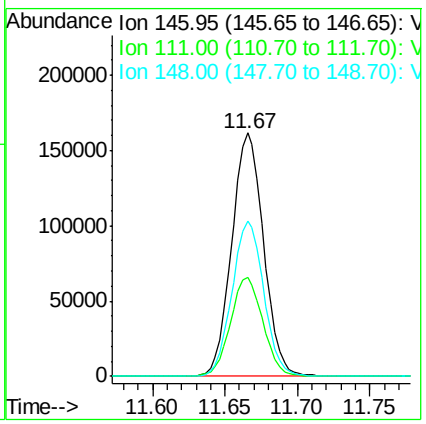


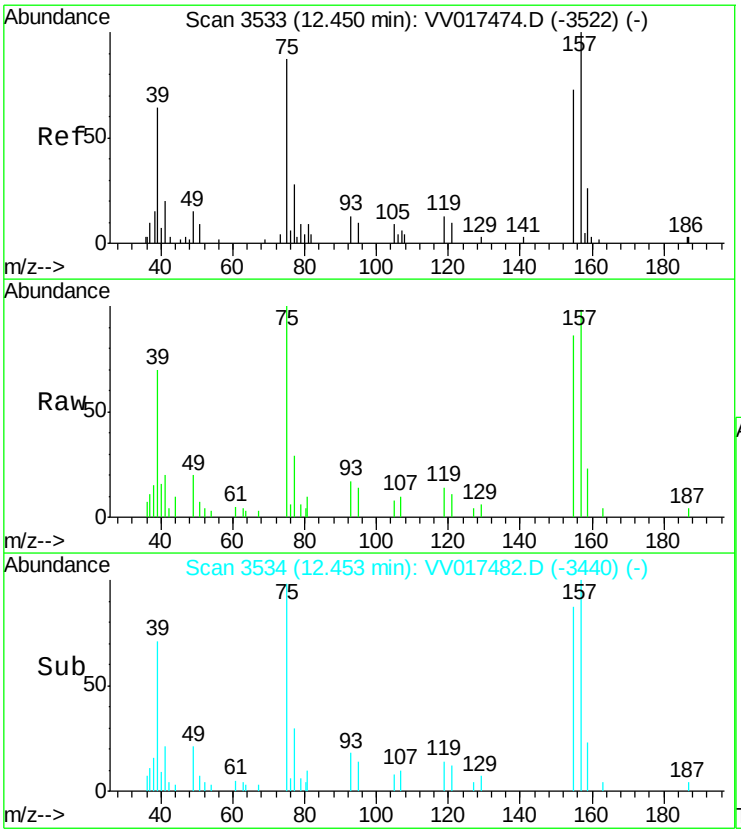
#66
1,2-Dichlorobenzene
Concen: 11.719 ug/L
RT: 11.67 min Scan# 3289
Delta R.T. -0.00 min
Lab File: VV017482.D
Acq: 14 Jul 2020 14:29

Instrument :
MSVOA_V
ClientSampleId :
GAXY3

Tgt Ion:146 Resp: 246628

Ion	Ratio	Lower	Upper
146	100		
111	40.6	32.7	49.1
148	63.6	52.3	78.5

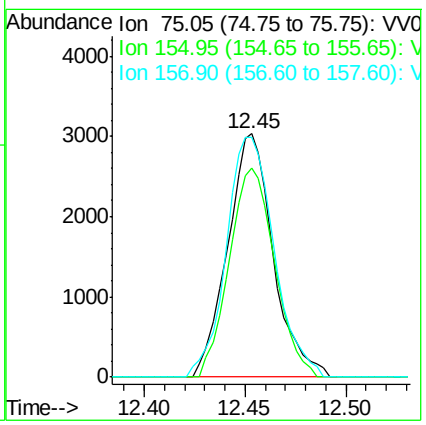


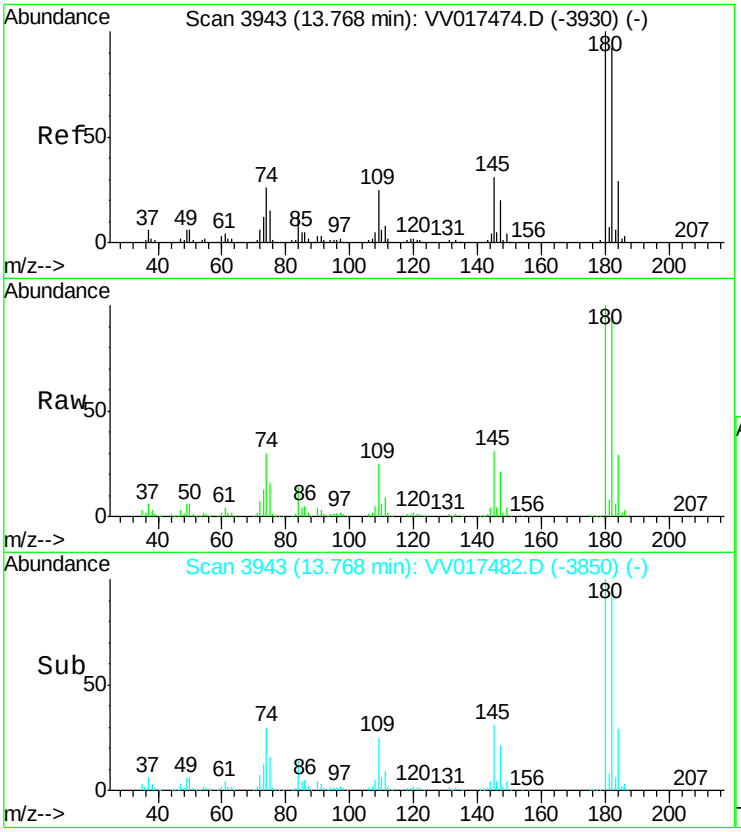


#67
1,2-Dibromo-3-chloropropane
Concen: 3.698 ug/L
RT: 12.45 min Scan# 3534
Delta R.T. 0.00 min
Lab File: VV017482.D
Acq: 14 Jul 2020 14:29

Tgt Ion: 75 Resp: 4794

Ion	Ratio	Lower	Upper
75	100		
155	86.0	67.5	101.3
157	98.4	92.5	138.7





#71
1,2,3-Trichlorobenzene
Concen: 10.344 ug/L
RT: 13.77 min Scan# 3943
Delta R.T. -0.00 min
Lab File: VV017482.D
Acq: 14 Jul 2020 14:29

Instrument :
MSVOA_V
ClientSampleId :
GAXY3

Tgt Ion:180 Resp: 138364

Ion	Ratio	Lower	Upper
180	100		
182	93.9	74.0	111.0
145	31.9	26.0	39.0