Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV062320\
Data File : VV017034.D
Acq On : 22 Jun 2020 22:09
Operator : SY/MD
Sample : L3067-15
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId :

Quant Time: Jun 23 04:59:08 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Jun 23 04:53:49 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	184682	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	181009	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	92705	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.32	65	47059	4.24	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 84.80%			
7) Chloroethane-d5	1.58	69	37392	4.64	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 92.80%			
11) 1,1-Dichloroethene-d2	2.13	63	212590	10.08	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 201.60%#			
20) 2-Butanone-d5	3.92	46	140272	49.65	ug/L	-0.02
Spiked Amount 50.000	Range 40 - 130		Recovery = 99.30%			
24) Chloroform-d	4.38	84	111067	4.68	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 93.60%			
26) 1,2-Dichloroethane-d4	5.06	65	59882	4.76	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 95.20%			
32) Benzene-d6	5.07	84	216093	4.60	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 92.00%			
36) 1,2-Dichloropropane-d6	6.09	67	63566	4.52	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 90.40%			
41) Toluene-d8	7.34	98	202852	4.60	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 92.00%			
45) trans-1,3-Dichloropropene-	7.65	79	25302	4.32	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 86.40%			
48) 2-Hexanone-d5	8.11	63	96094	43.07	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 86.14%			
59) 1,1,2,2-Tetrachloroethane-	10.24	84	47113	5.04	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 100.80%			
65) 1,2-Dichlorobenzene-d4	11.65	152	81761	4.77	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 95.40%			
Target Compounds						Qvalue
5) Vinyl chloride	1.32	62	63765	5.262	ug/L	98
8) Chloroethane	1.60	64	71797	10.720	ug/L	94
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	1400	0.143	ug/L #	33
12) 1,1-Dichloroethene	2.14	96	249514	28.151	ug/L #	68
13) Acetone	2.20	43	2385	1.670	ug/L	83
14) Carbon disulfide	2.32	76	4052	0.153	ug/L #	90
16) Methylene chloride	2.52	84	1491	0.157	ug/L	86
18) trans-1,2-Dichloroethene	2.78	96	5613	0.598	ug/L	84
19) 1,1-Dichloroethane	3.21	63	5514214	261.291	ug/L	98
22) cis-1,2-Dichloroethene	3.94	96	159521	12.420	ug/L #	100
25) Chloroform	4.40	83	2466	0.107	ug/L	82
27) 1,2-Dichloroethane	5.17	62	5465	0.382	ug/L	99
29) 1,1,1-Trichloroethane	4.64	97	12842799	592.212	ug/L	98
31) Carbon tetrachloride	4.64	117	1590420	81.276	ug/L	100
33) Benzene	5.13	78	105595	2.228	ug/L	100
34) Trichloroethene	5.95	95	5577	0.402	ug/L	93
38) Bromodichloromethane	6.34	83	6803	0.427	ug/L #	38

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV062320\
Data File : VV017034.D
Acq On : 22 Jun 2020 22:09
Operator : SY/MD
Sample : L3067-15
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId :

Quant Time: Jun 23 04:59:08 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Jun 23 04:53:49 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
40) 4-Methyl-2-pentanone	7.16	43	43546	6.427 ug/L #	46
42) Toluene	7.41	91	18008	0.327 ug/L	87
43) 1,3,5-Trimethylbenzene	10.56	105	4801	0.097 ug/L	98
44) 1,2,4-Trimethylbenzene	10.94	105	40428	0.806 ug/L	99
46) trans-1,3-Dichloropropene	7.65	75	1399	0.093 ug/L #	73
47) 1,1,2-Trichloroethane	7.87	97	2699	0.324 ug/L #	85
49) Tetrachloroethene	8.00	164	3762	0.337 ug/L	83
50) 2-Hexanone	8.17	43	3093	0.641 ug/L #	44
51) Dibromochloromethane	8.00	129	3167	0.314 ug/L #	18
53) Chlorobenzene	8.90	112	40231	1.171 ug/L	95
54) Ethylbenzene	9.04	91	3656	0.062 ug/L	95
55) m,p-xylene	9.16	106	2152	0.093 ug/L	80
56) o-xylene	9.57	106	4720	0.219 ug/L	95
58) Isopropylbenzene	9.95	105	24756	0.418 ug/L	96
60) 1,1,2,2-Tetrachloroethane	10.27	83	965	0.112 ug/L #	95
64) 1,4-Dichlorobenzene	11.29	146	4642	0.164 ug/L	96
66) 1,2-Dichlorobenzene	11.67	146	25445	1.005 ug/L	94

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

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV062320\
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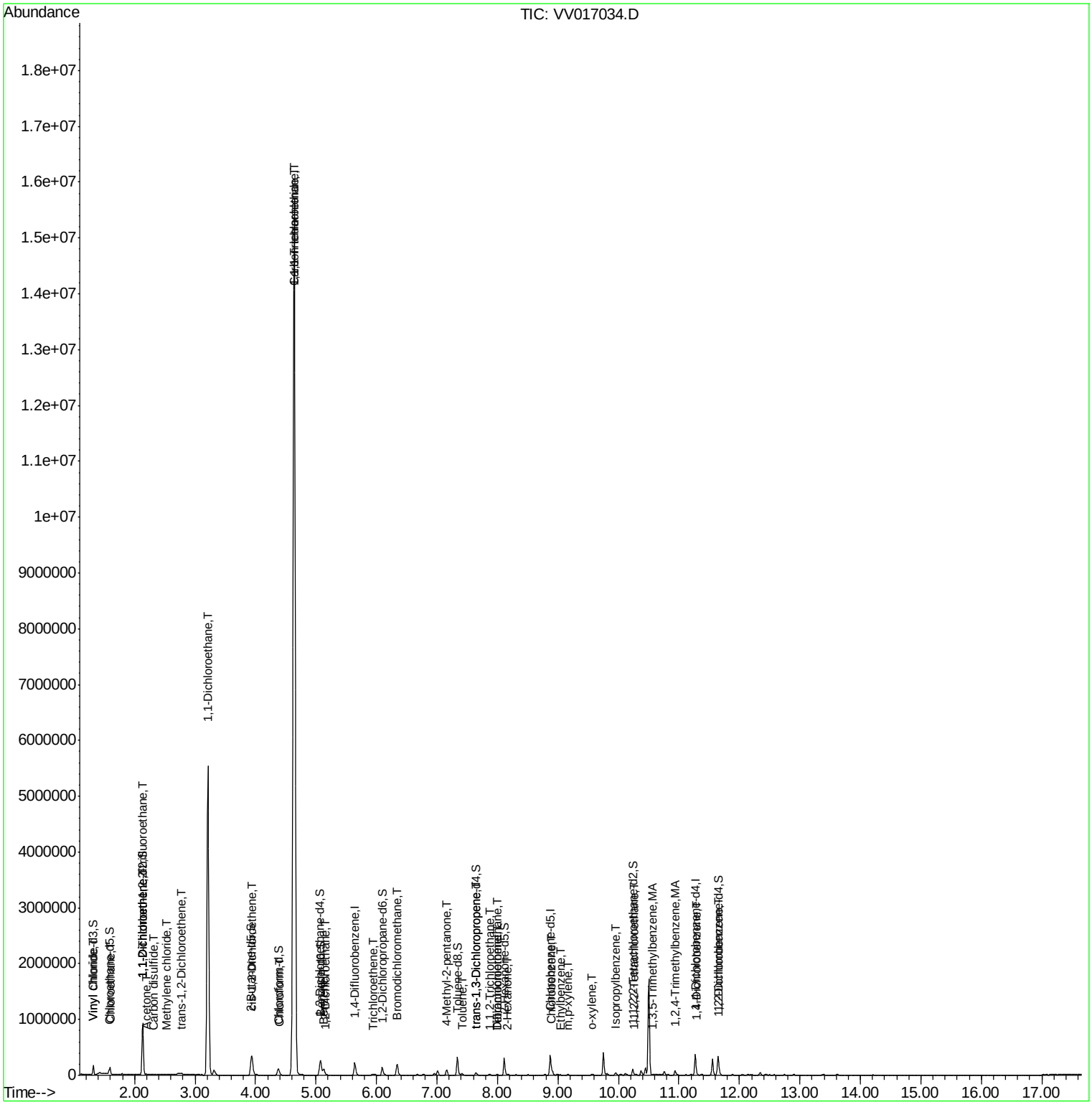
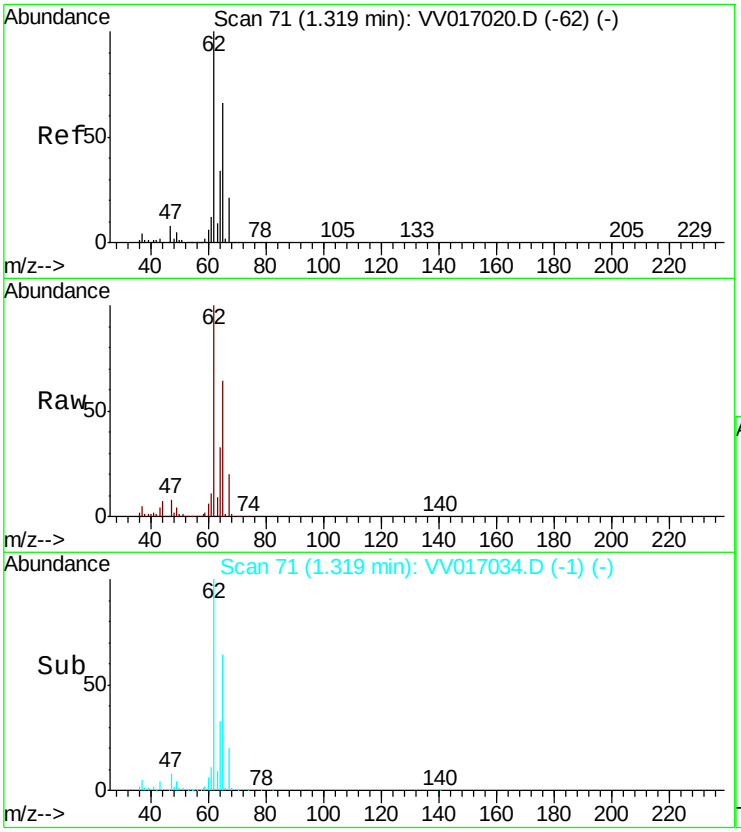
Acq On : 22 Jun 2020 22:09
Operator : SY/MD
Sample : L3067-15
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :

Quant Time: Jun 23 04:59:08 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Jun 23 04:53:49 2020
Response via : Initial Calibration



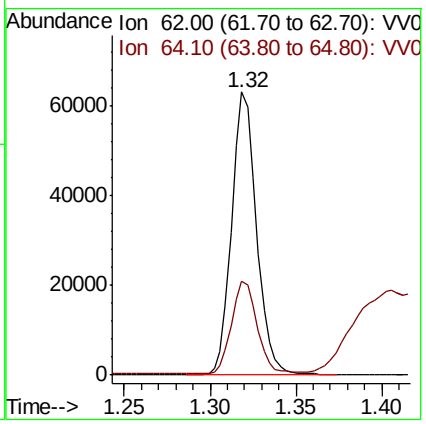


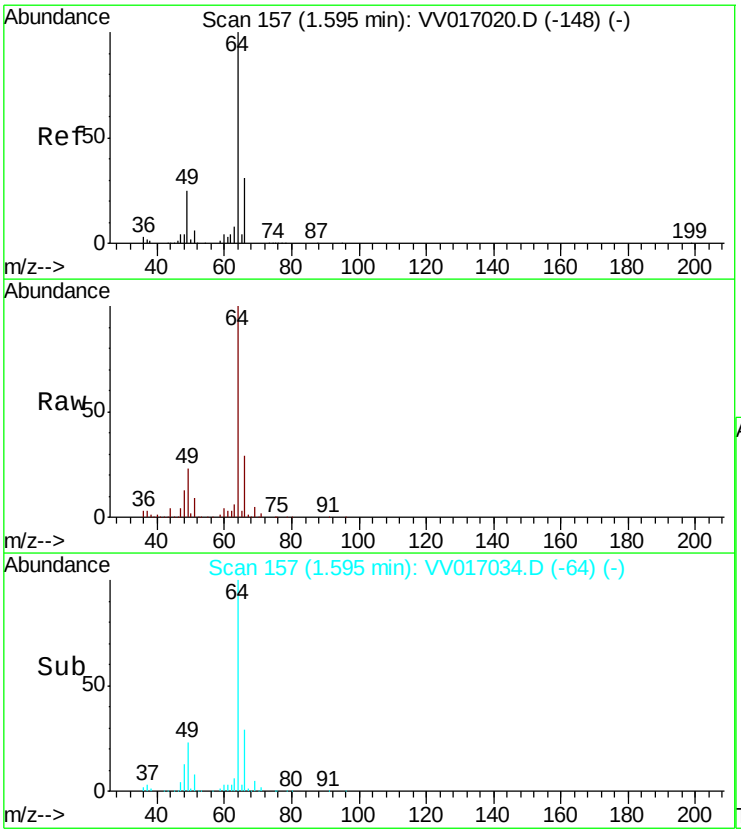
#5
Vinyl chloride
Concen: 5.262 ug/L
RT: 1.32 min Scan# 71
Delta R.T. -0.00 min
Lab File: VV017034.D
Acq: 22 Jun 2020 22:09

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 62 Resp: 63765

Ion	Ratio	Lower	Upper
62	100		
64	33.0	22.5	41.7

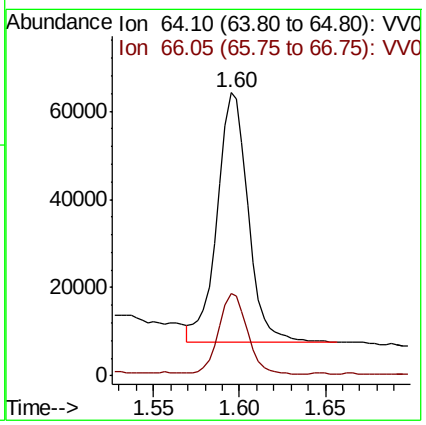


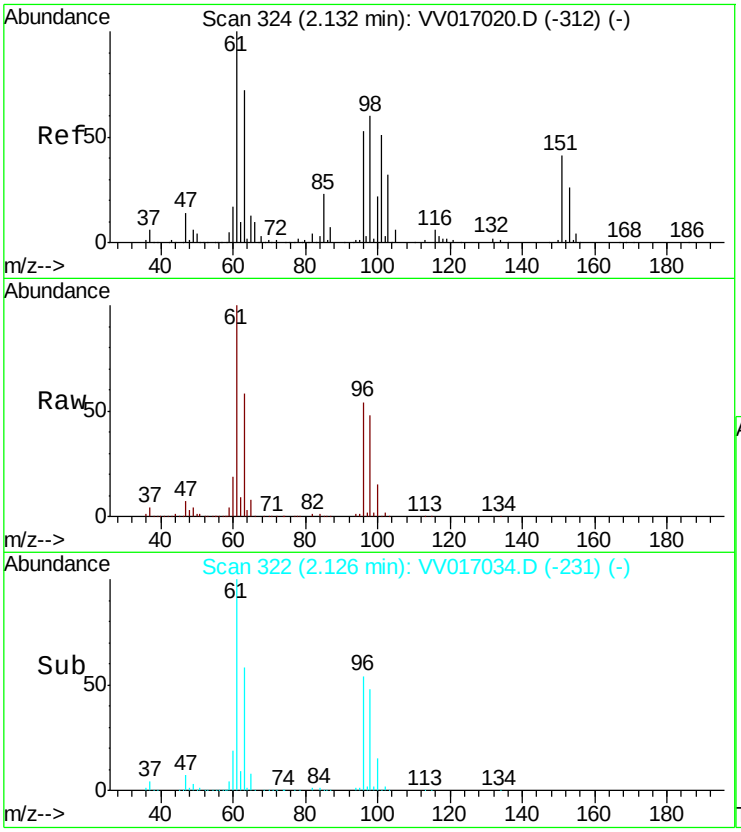


#8
Chloroethane
Concen: 10.720 ug/L
RT: 1.60 min Scan# 157
Delta R.T. -0.00 min
Lab File: VV017034.D
Acq: 22 Jun 2020 22:09

Tgt Ion: 64 Resp: 71797

Ion	Ratio	Lower	Upper
64	100		
66	29.3	22.8	42.4



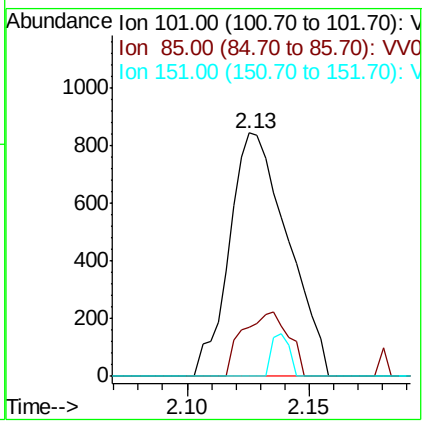


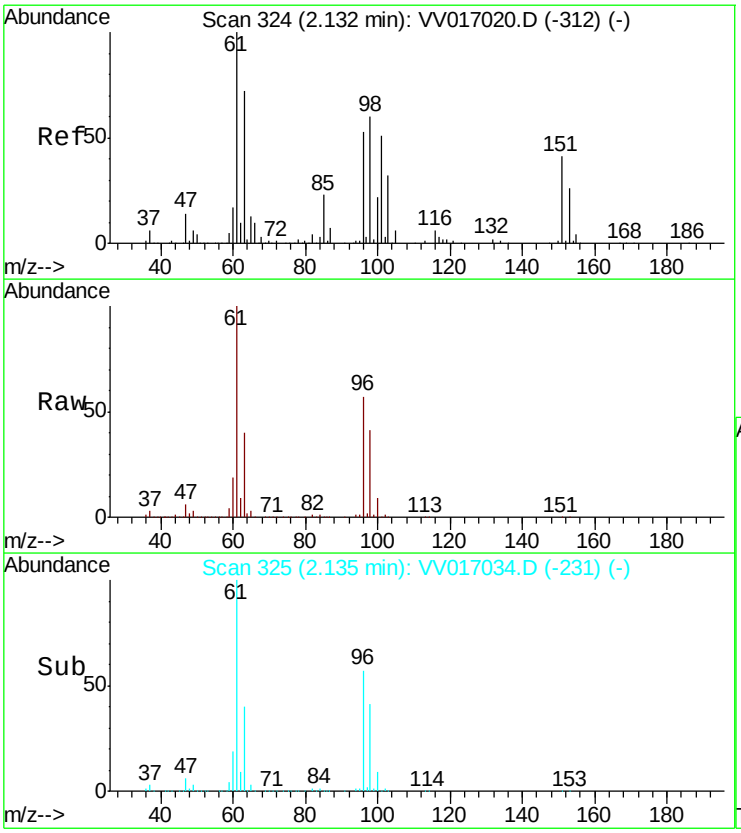
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.143 ug/L
RT: 2.13 min Scan# 322
Delta R.T. -0.01 min
Lab File: VV017034.D
Acq: 22 Jun 2020 22:09

Instrument : MSVOA_V
ClientSampleId :

Tgt Ion:101 Resp: 1400

Ion	Ratio	Lower	Upper
101	100		
85	20.8	35.4	53.2#
151	5.4	63.9	95.9#

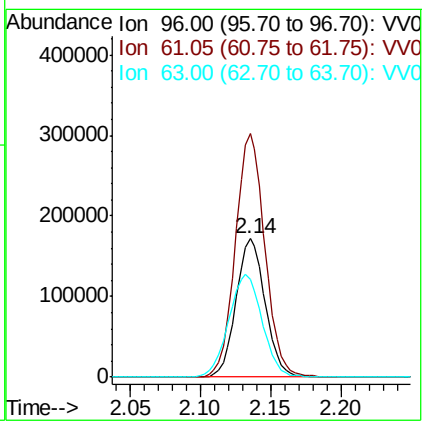


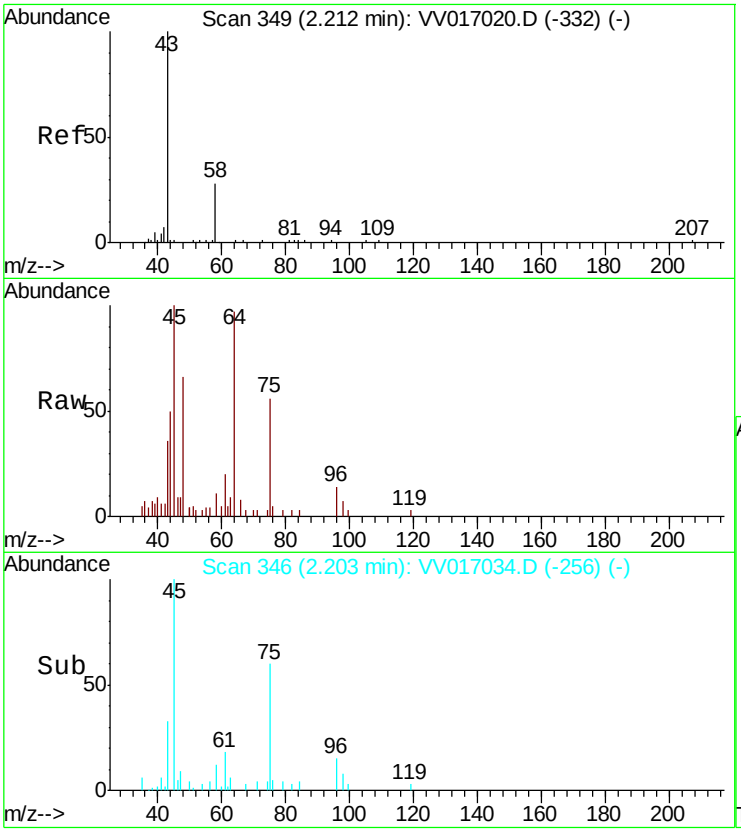


#12
1,1-Dichloroethene
Concen: 28.151 ug/L
RT: 2.14 min Scan# 325
Delta R.T. 0.00 min
Lab File: VV017034.D
Acq: 22 Jun 2020 22:09

Tgt Ion: 96 Resp: 249514

Ion	Ratio	Lower	Upper
96	100		
61	176.1	125.0	232.2
63	71.1	109.8	203.8#



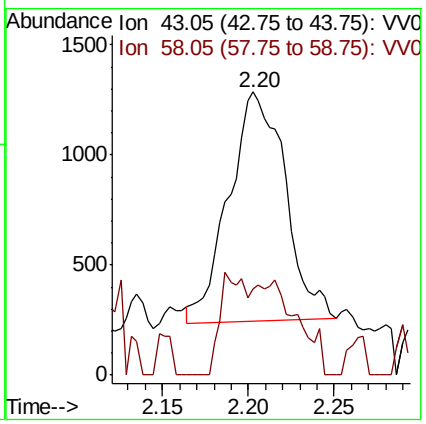


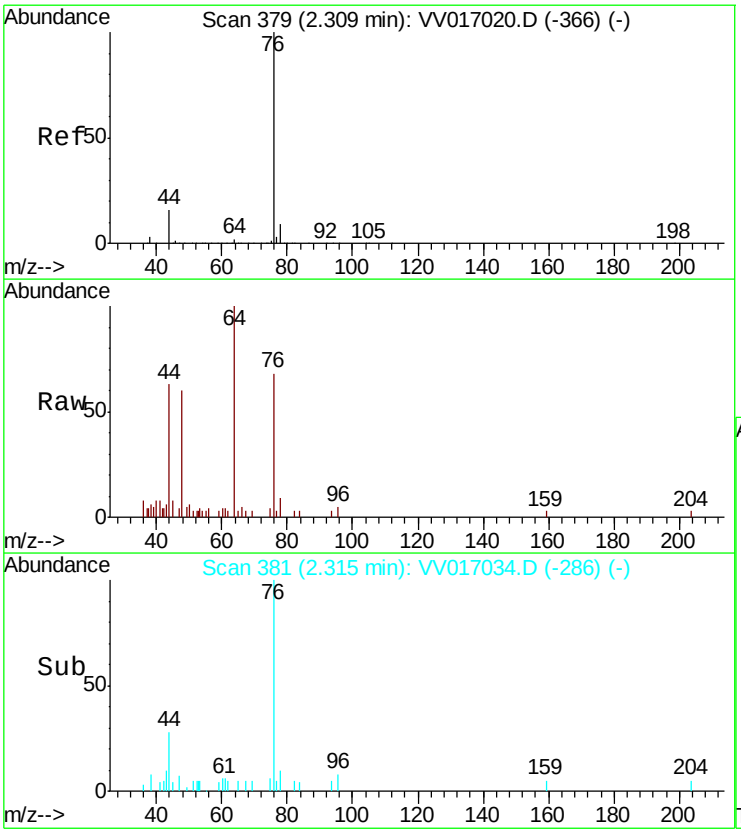
#13
Acetone
Concen: 1.670 ug/L
RT: 2.20 min Scan# 346
Delta R.T. -0.01 min
Lab File: VV017034.D
Acq: 22 Jun 2020 22:09

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 43 Resp: 2385

Ion	Ratio	Lower	Upper
43	100		
58	20.0	0.0	58.4

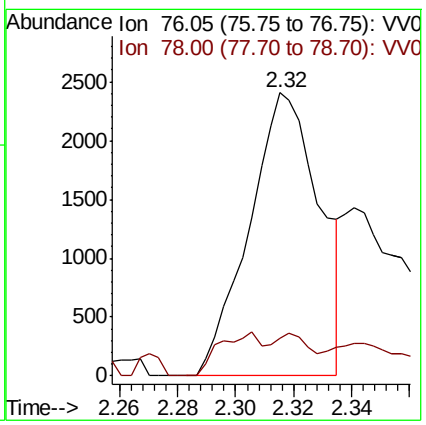


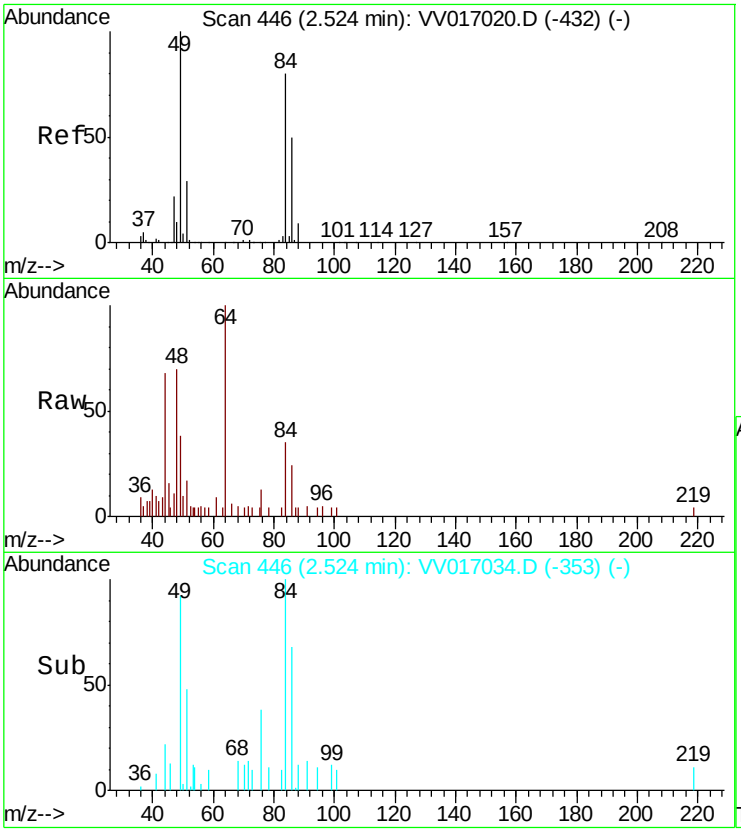


#14
Carbon disulfide
Concen: 0.153 ug/L
RT: 2.32 min Scan# 381
Delta R.T. 0.01 min
Lab File: VV017034.D
Acq: 22 Jun 2020 22:09

Tgt Ion: 76 Resp: 4052

Ion	Ratio	Lower	Upper
76	100		
78	13.3	7.7	11.5#



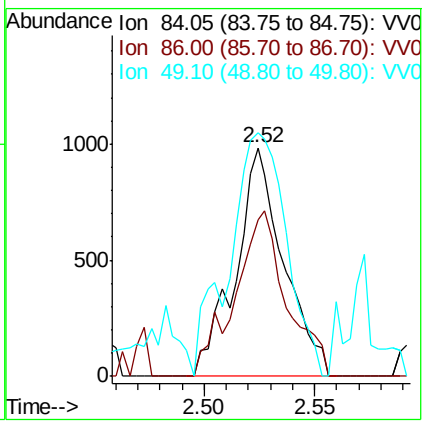


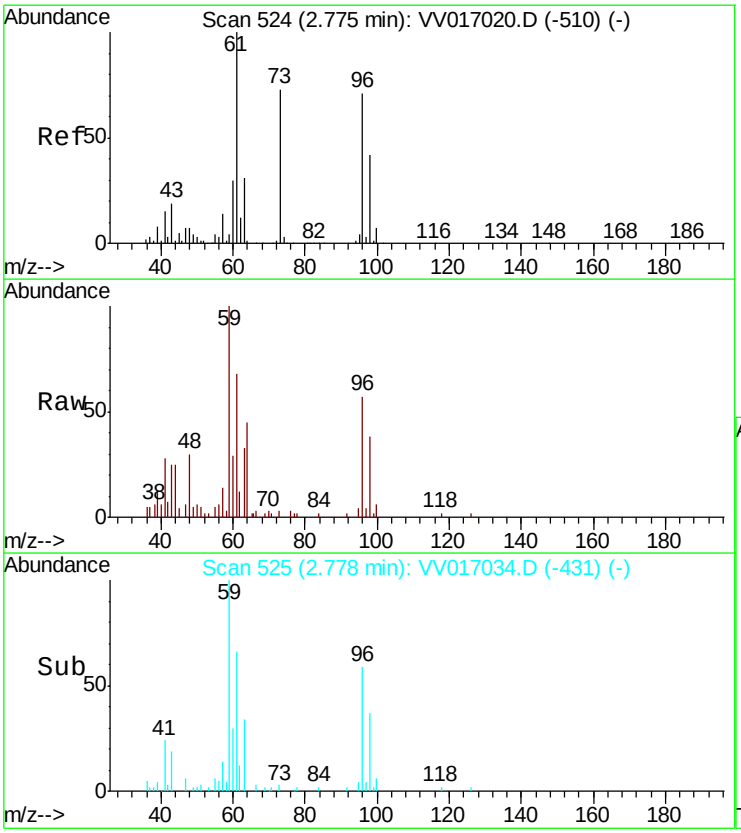
#16
Methylene chloride
Concen: 0.157 ug/L
RT: 2.52 min Scan# 446
Delta R.T. -0.00 min
Lab File: VV017034.D
Acq: 22 Jun 2020 22:09

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 84 Resp: 1491

Ion	Ratio	Lower	Upper
84	100		
86	68.5	45.8	85.0
49	106.6	89.6	166.4

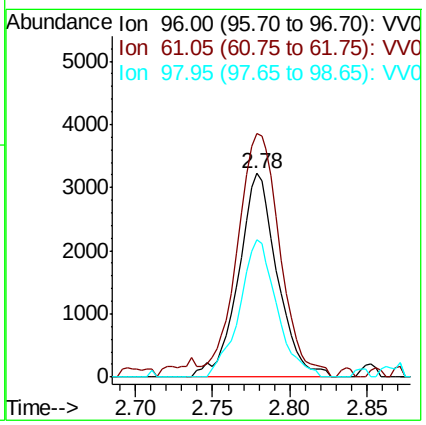


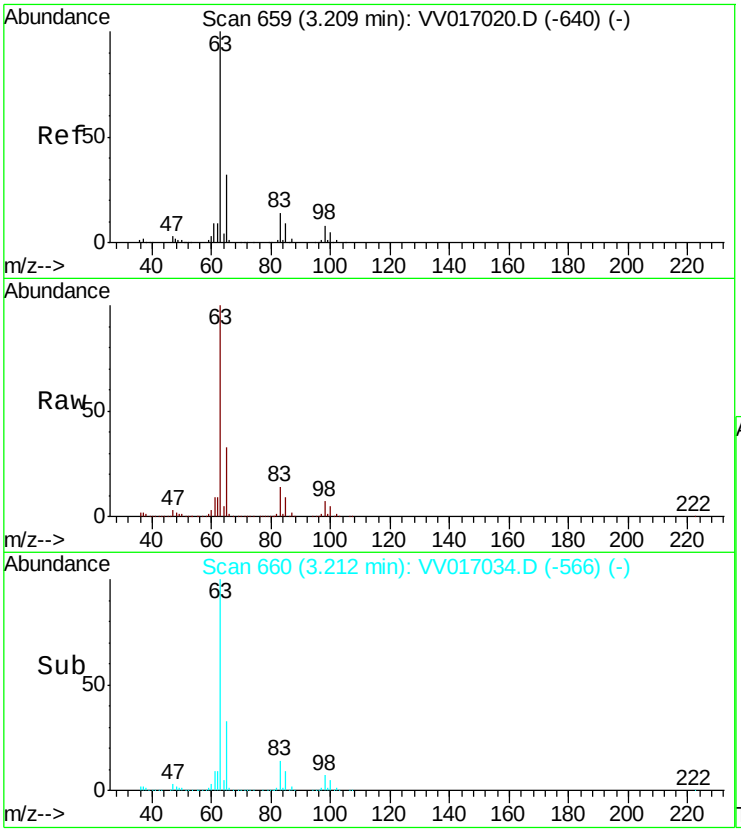


#18
trans-1,2-Dichloroethene
Concen: 0.598 ug/L
RT: 2.78 min Scan# 525
Delta R.T. 0.00 min
Lab File: VV017034.D
Acq: 22 Jun 2020 22:09

Tgt Ion: 96 Resp: 5613

Ion	Ratio	Lower	Upper
96	100		
61	119.7	102.3	189.9
98	67.4	44.7	82.9



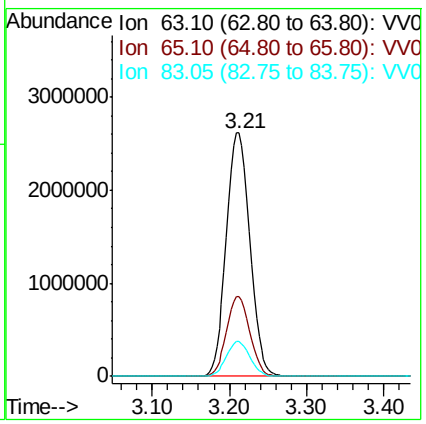


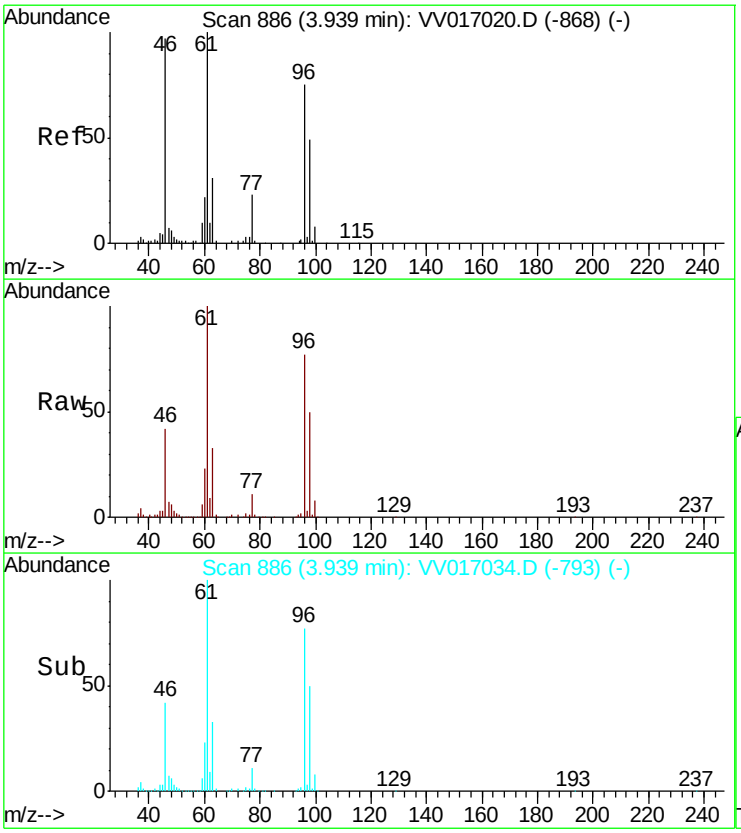
#19
1,1-Dichloroethane
Concen: 261.291 ug/L
RT: 3.21 min Scan# 660
Delta R.T. 0.00 min
Lab File: VV017034.D
Acq: 22 Jun 2020 22:09

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 63 Resp: 5514214

Ion	Ratio	Lower	Upper
63	100		
65	32.6	21.8	40.4
83	14.2	9.7	17.9

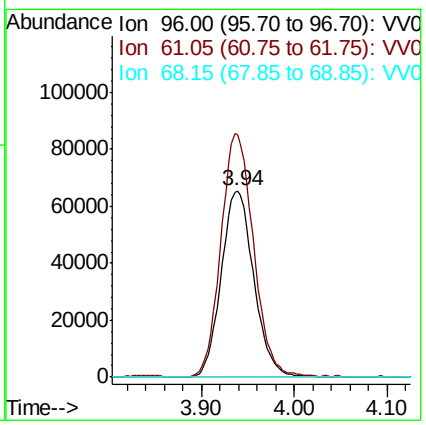


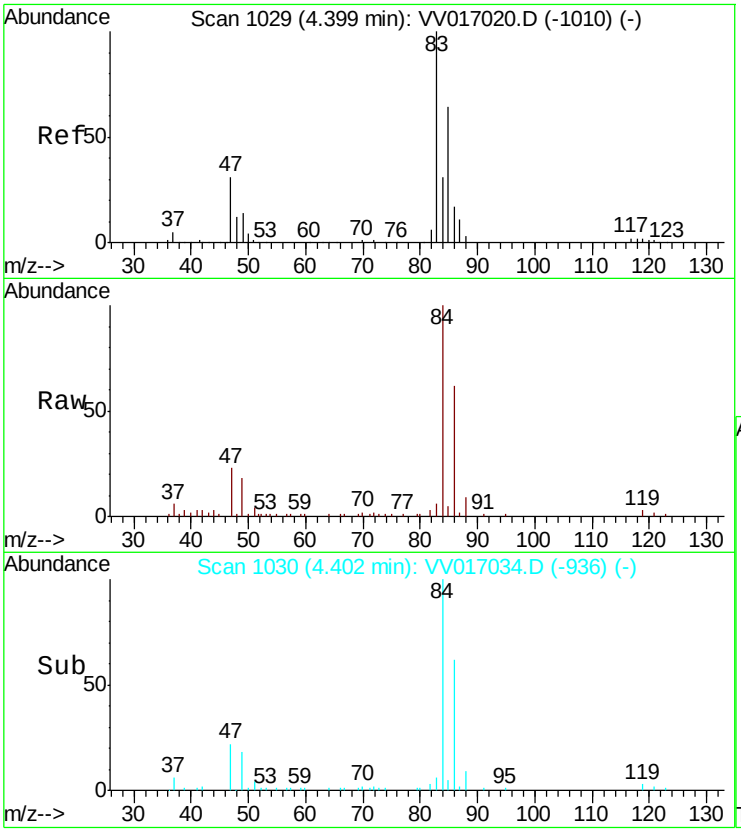


#22
cis-1,2-Dichloroethene
Concen: 12.420 ug/L
RT: 3.94 min Scan# 886
Delta R.T. -0.00 min
Lab File: VV017034.D
Acq: 22 Jun 2020 22:09

Tgt Ion: 96 Resp: 159521

Ion	Ratio	Lower	Upper
96	100		
61	130.3	91.0	169.0
68	0.4	0.0	0.0#



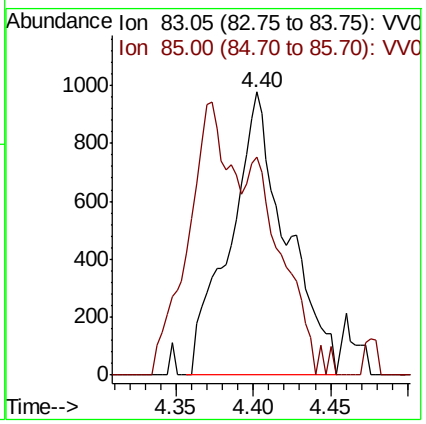


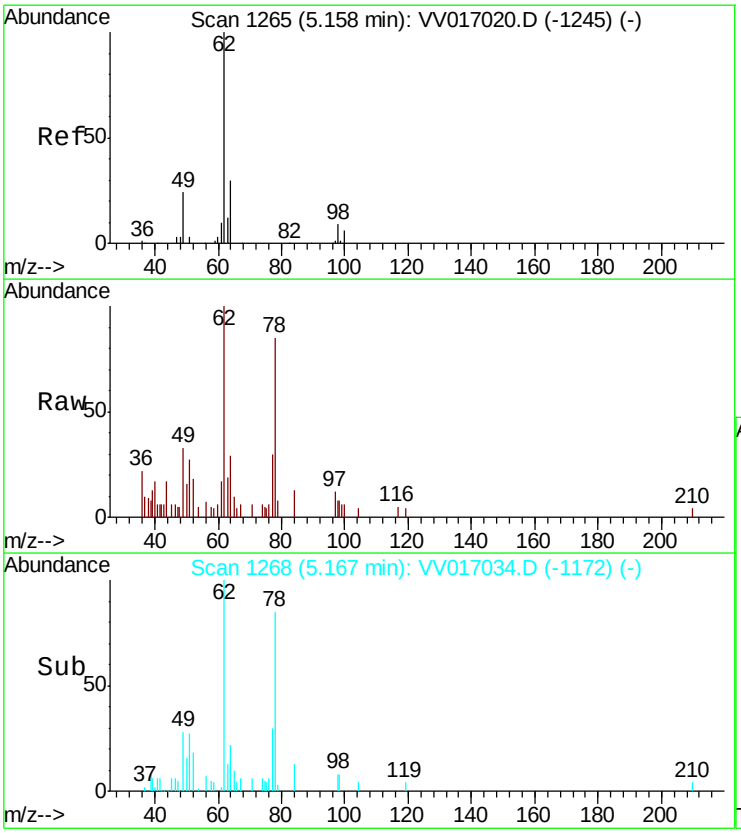
#25
Chloroform
Concen: 0.107 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV017034.D
Acq: 22 Jun 2020 22:09

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 83 Resp: 2466

Ion	Ratio	Lower	Upper
83	100		
85	76.9	44.2	82.2

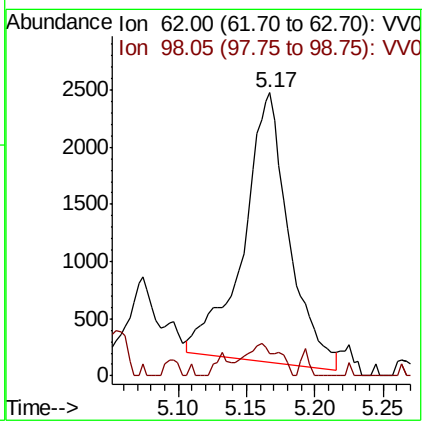


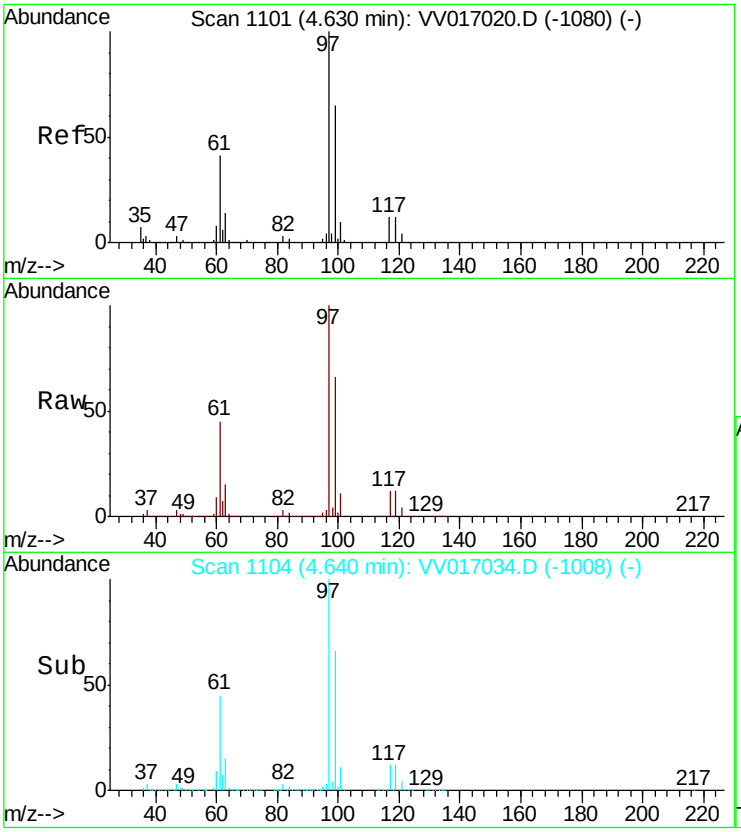


#27
1,2-Dichloroethane
Concen: 0.382 ug/L
RT: 5.17 min Scan# 1268
Delta R.T. 0.01 min
Lab File: VV017034.D
Acq: 22 Jun 2020 22:09

Tgt Ion: 62 Resp: 5465

Ion	Ratio	Lower	Upper
62	100		
98	8.1	6.7	10.1



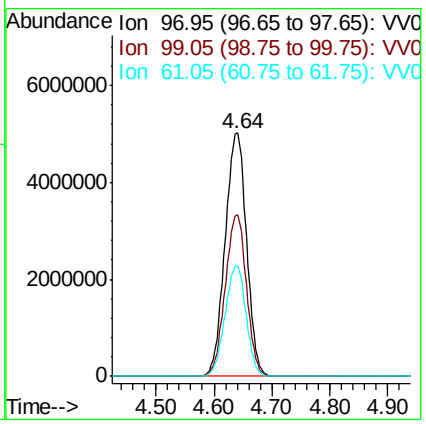


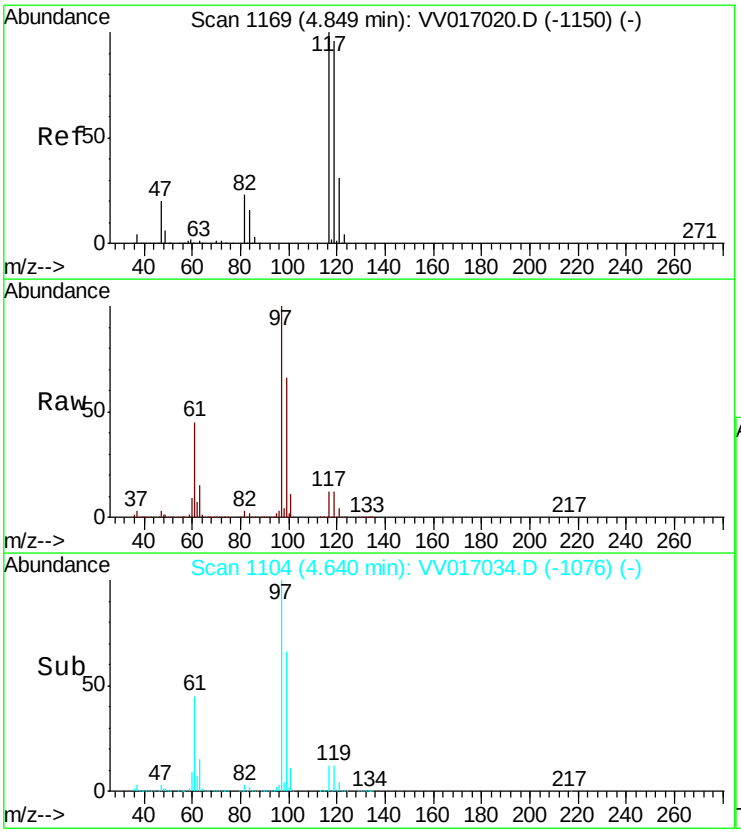
#29
1,1,1-Trichloroethane
Concen: 592.212 ug/L
RT: 4.64 min Scan# 1104
Delta R.T. 0.01 min
Lab File: VV017034.D
Acq: 22 Jun 2020 22:09

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 97 Resp:12842799

Ion	Ratio	Lower	Upper
97	100		
99	65.6	50.3	75.5
61	44.8	36.0	54.0

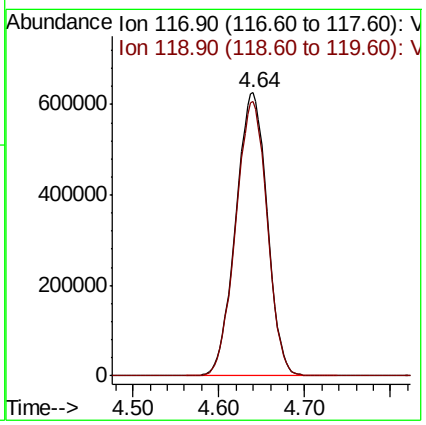


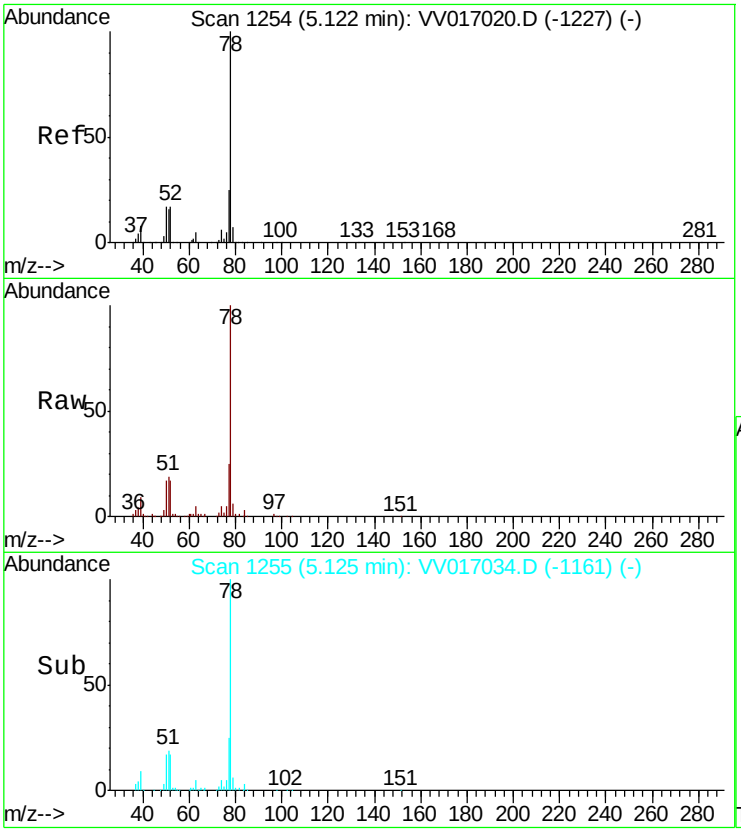


#31
Carbon tetrachloride
Concen: 81.276 ug/L
RT: 4.64 min Scan# 1104
Delta R.T. -0.21 min
Lab File: VV017034.D
Acq: 22 Jun 2020 22:09

Tgt Ion:117 Resp: 1590420

Ion	Ratio	Lower	Upper
117	100		
119	96.9	77.8	116.8

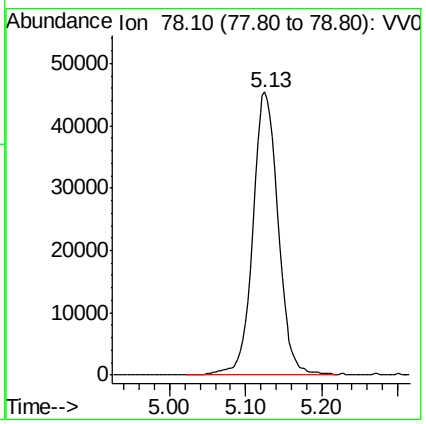


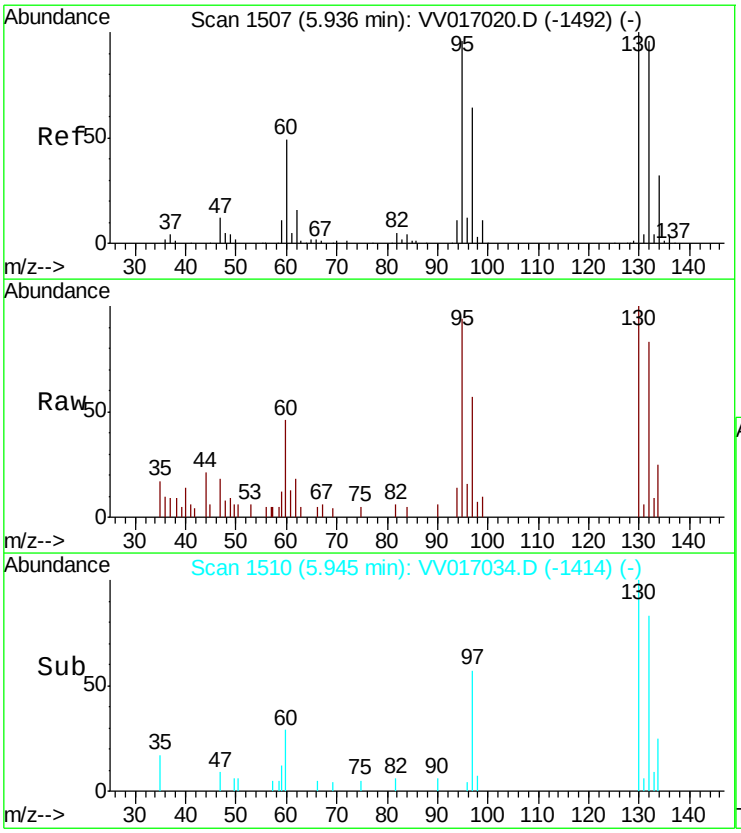


#33
Benzene
Concen: 2.228 ug/L
RT: 5.13 min Scan# 1255
Delta R.T. 0.00 min
Lab File: VV017034.D
Acq: 22 Jun 2020 22:09

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 78 Resp: 105595

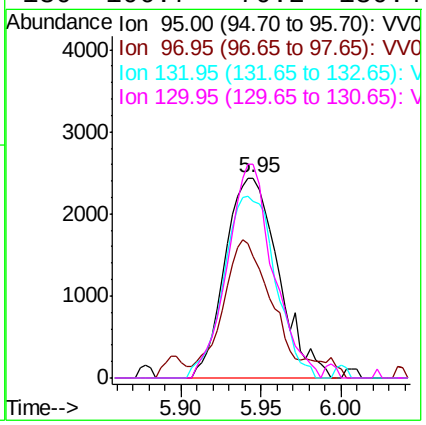


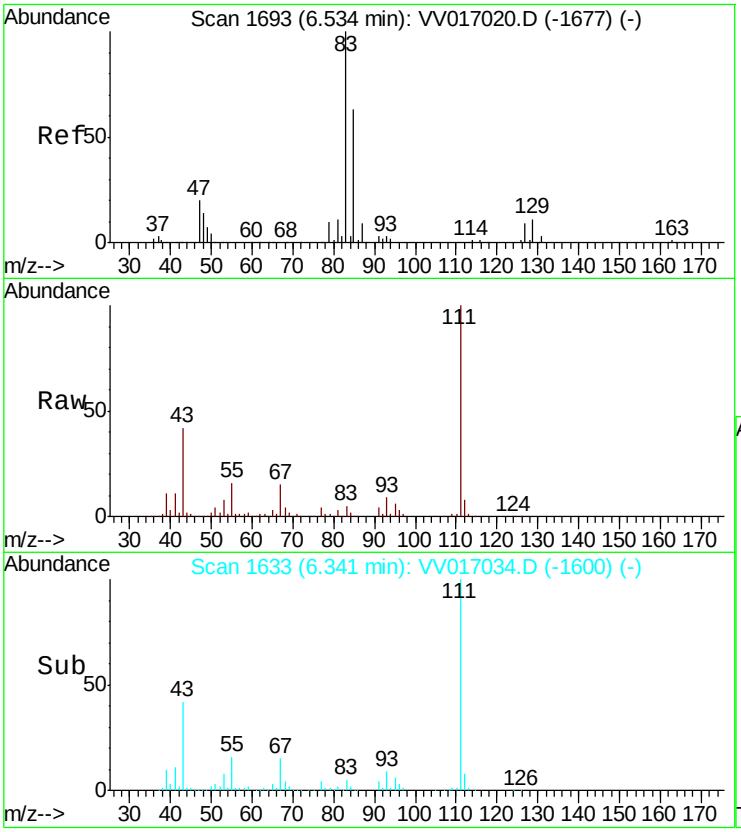


#34
Trichloroethene
Concen: 0.402 ug/L
RT: 5.95 min Scan# 1510
Delta R.T. 0.01 min
Lab File: VV017034.D
Acq: 22 Jun 2020 22:09

Tgt Ion: 95 Resp: 5577

Ion	Ratio	Lower	Upper
95	100		
97	60.8	45.3	84.1
132	88.2	68.8	127.8
130	106.7	70.2	130.4



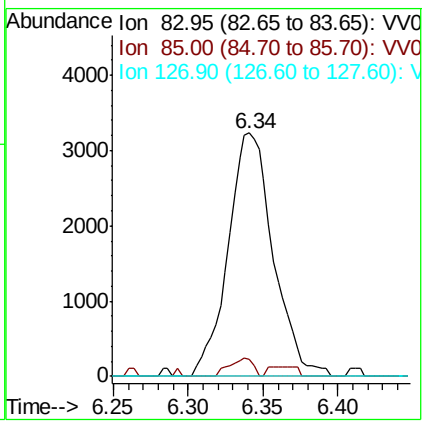


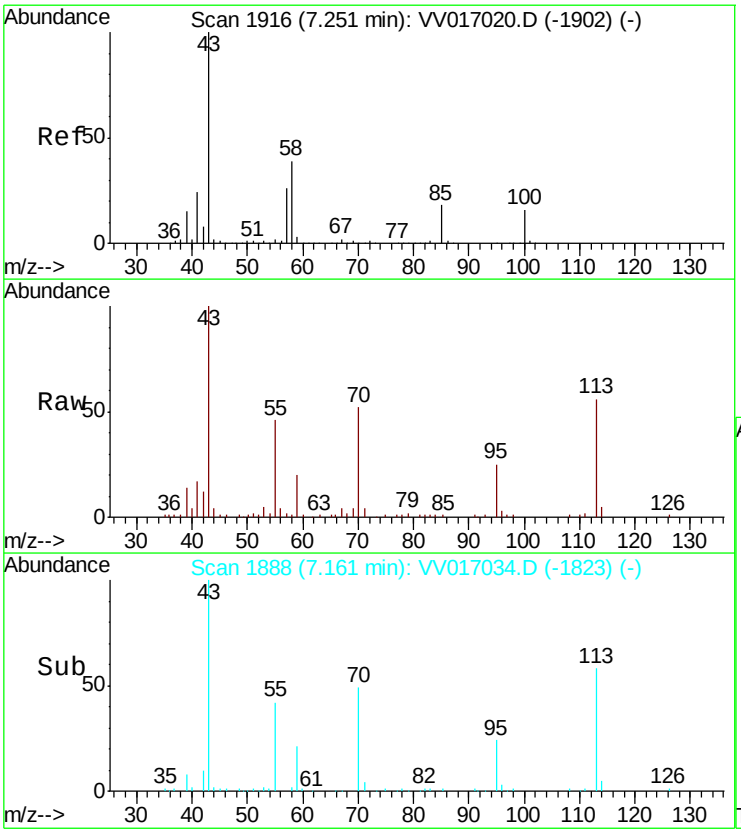
#38
Bromodichloromethane
Concen: 0.427 ug/L
RT: 6.34 min Scan# 1633
Delta R.T. -0.19 min
Lab File: VV017034.D
Acq: 22 Jun 2020 22:09

Instrument : MSVOA_V
ClientSampleId :

Tgt Ion: 83 Resp: 6803

Ion	Ratio	Lower	Upper
83	100		
85	10.0	43.4	80.6#
127	0.0	7.9	11.9#

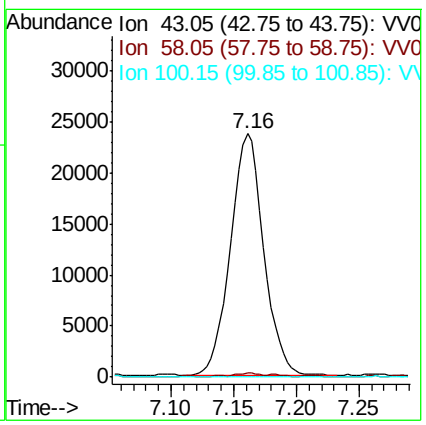


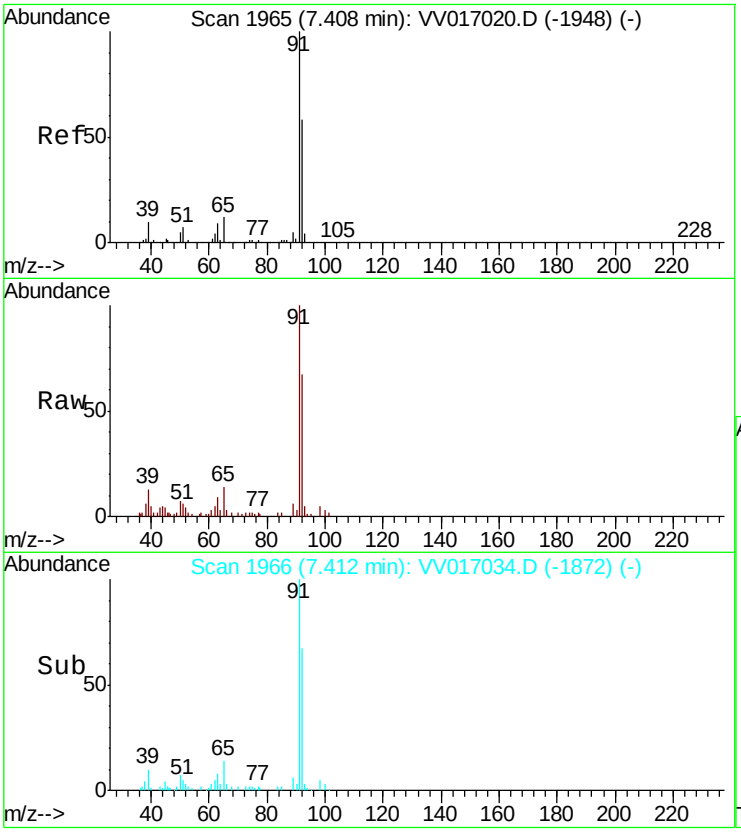


#40
4-Methyl-2-pentanone
Concen: 6.427 ug/L
RT: 7.16 min Scan# 1888
Delta R.T. -0.09 min
Lab File: VV017034.D
Acq: 22 Jun 2020 22:09

Tgt Ion: 43 Resp: 43546

Ion	Ratio	Lower	Upper
43	100		
58	1.2	30.4	45.6#
100	0.0	12.7	19.1#



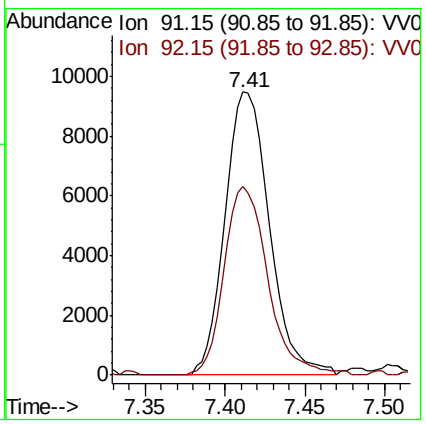


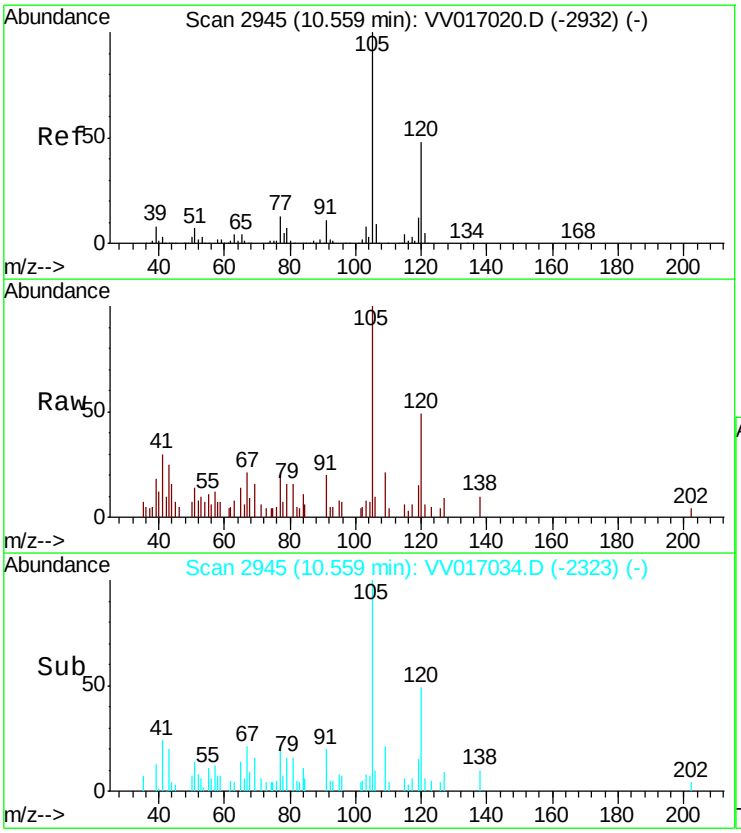
#42
Toluene
Concen: 0.327 ug/L
RT: 7.41 min Scan# 1966
Delta R.T. 0.00 min
Lab File: VV017034.D
Acq: 22 Jun 2020 22:09

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 91 Resp: 18008

Ion	Ratio	Lower	Upper
91	100		
92	66.6	39.9	74.1

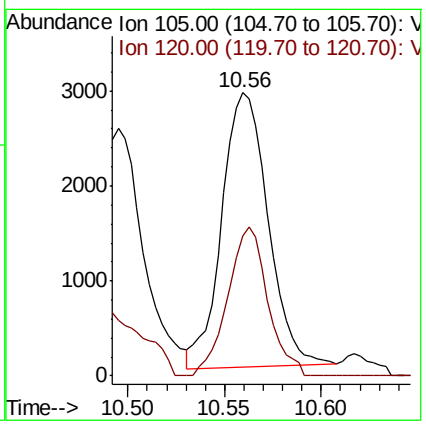


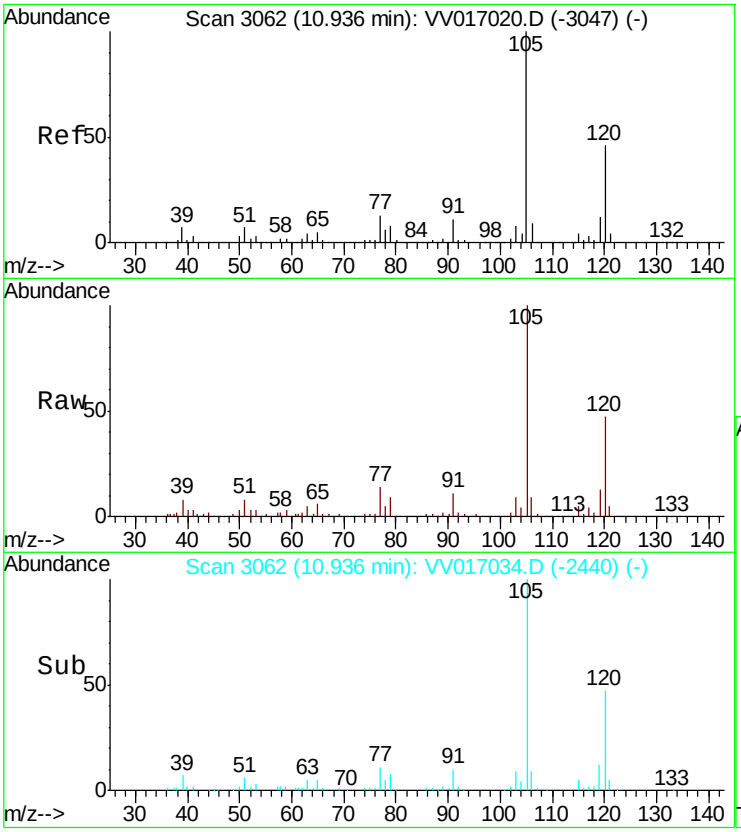


#43
1,3,5-Trimethylbenzene
Concen: 0.097 ug/L
RT: 10.56 min Scan# 2945
Delta R.T. -0.00 min
Lab File: VV017034.D
Acq: 22 Jun 2020 22:09

Tgt Ion:105 Resp: 4801

Ion	Ratio	Lower	Upper
105	100		
120	46.9	38.6	57.8



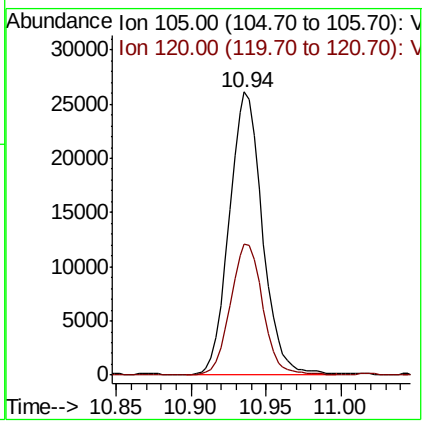


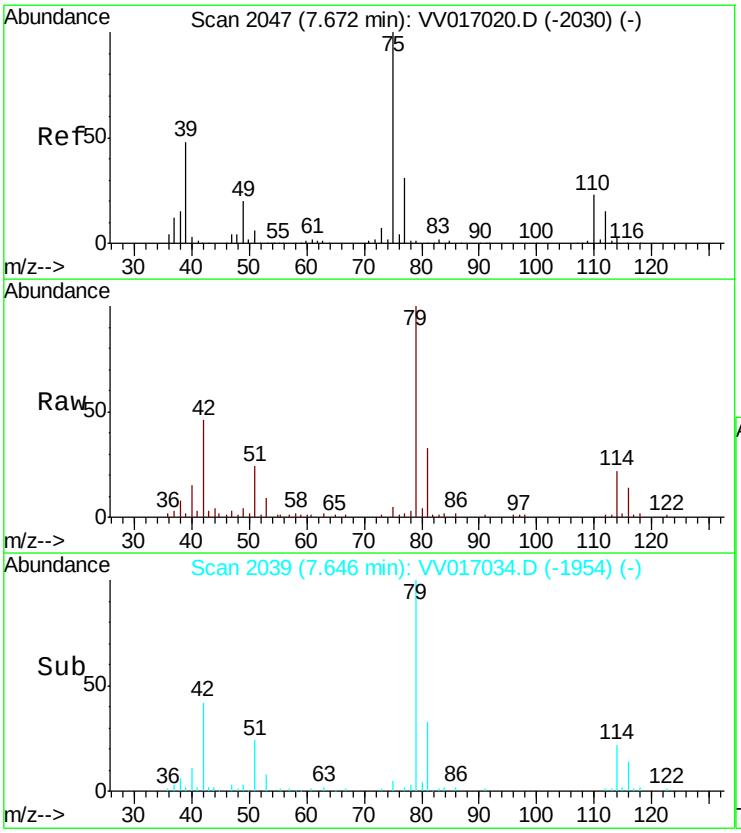
#44
1,2,4-Trimethylbenzene
Concen: 0.806 ug/L
RT: 10.94 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VV017034.D
Acq: 22 Jun 2020 22:09

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion:105 Resp: 40428

Ion	Ratio	Lower	Upper
105	100		
120	45.2	35.8	53.8

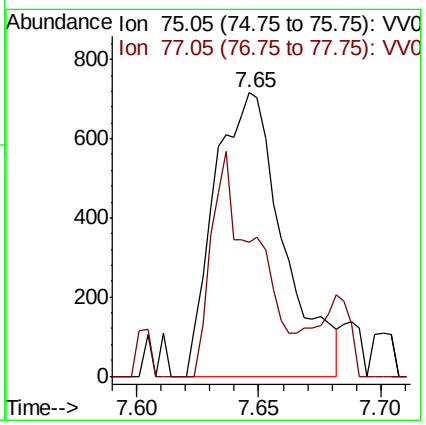


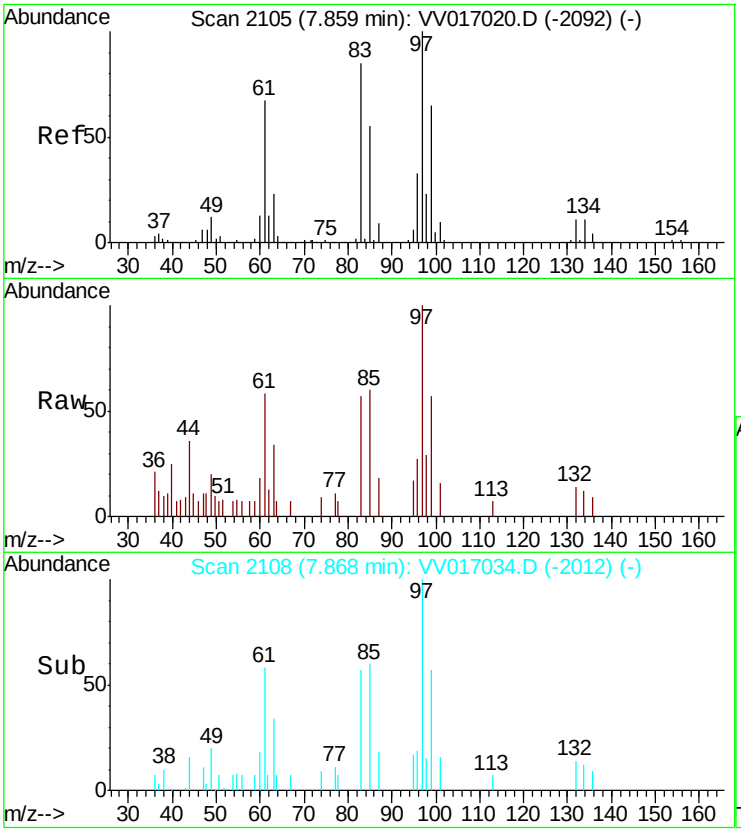


#46
trans-1,3-Dichloropropene
Concen: 0.093 ug/L
RT: 7.65 min Scan# 2039
Delta R.T. -0.03 min
Lab File: VV017034.D
Acq: 22 Jun 2020 22:09

Tgt Ion: 75 Resp: 1399

Ion	Ratio	Lower	Upper
75	100		
77	47.1	22.3	41.3#



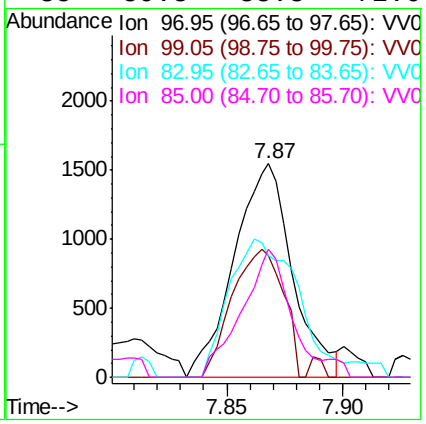


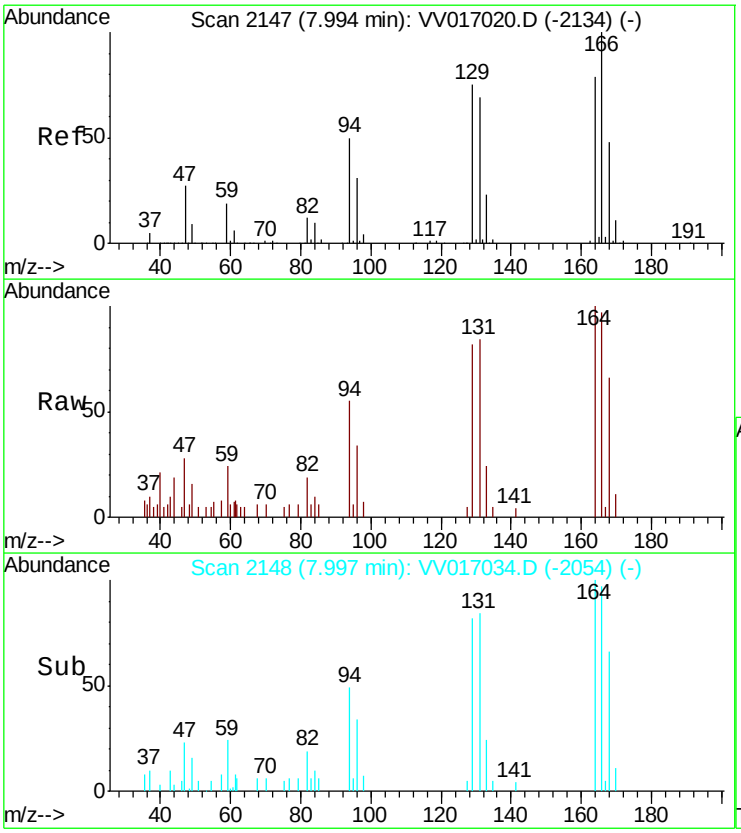
#47
1,1,2-Trichloroethane
Concen: 0.324 ug/L
RT: 7.87 min Scan# 2108
Delta R.T. 0.01 min
Lab File: VV017034.D
Acq: 22 Jun 2020 22:09

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 97 Resp: 2699

Ion	Ratio	Lower	Upper
97	100		
99	56.8	43.6	81.0
83	56.8	57.4	106.6#
85	59.8	38.8	72.0

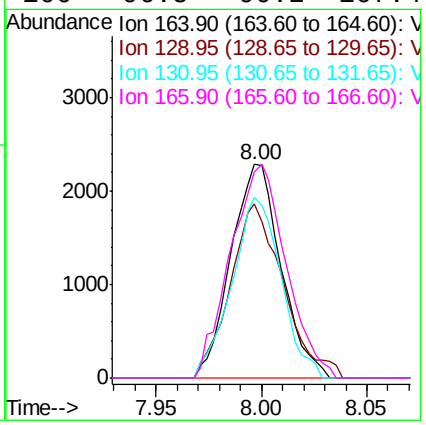


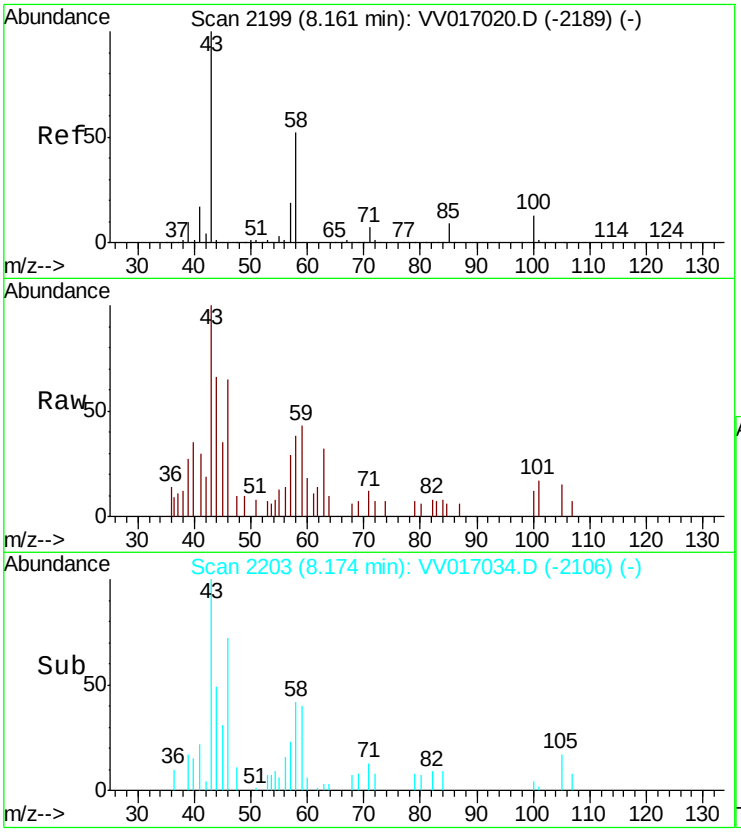


#49
Tetrachloroethene
Concen: 0.337 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. 0.00 min
Lab File: VV017034.D
Acq: 22 Jun 2020 22:09

Tgt Ion:164 Resp: 3762

Ion	Ratio	Lower	Upper
164	100		
129	81.7	65.2	121.0
131	84.3	64.1	119.1
166	96.5	90.2	167.4



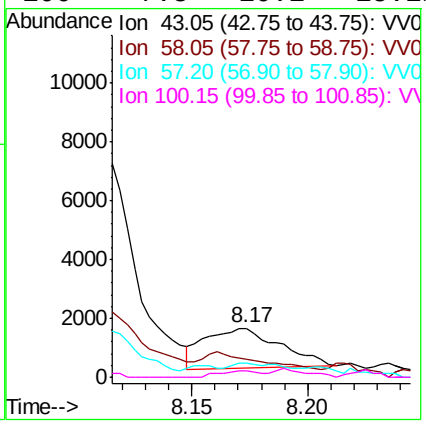


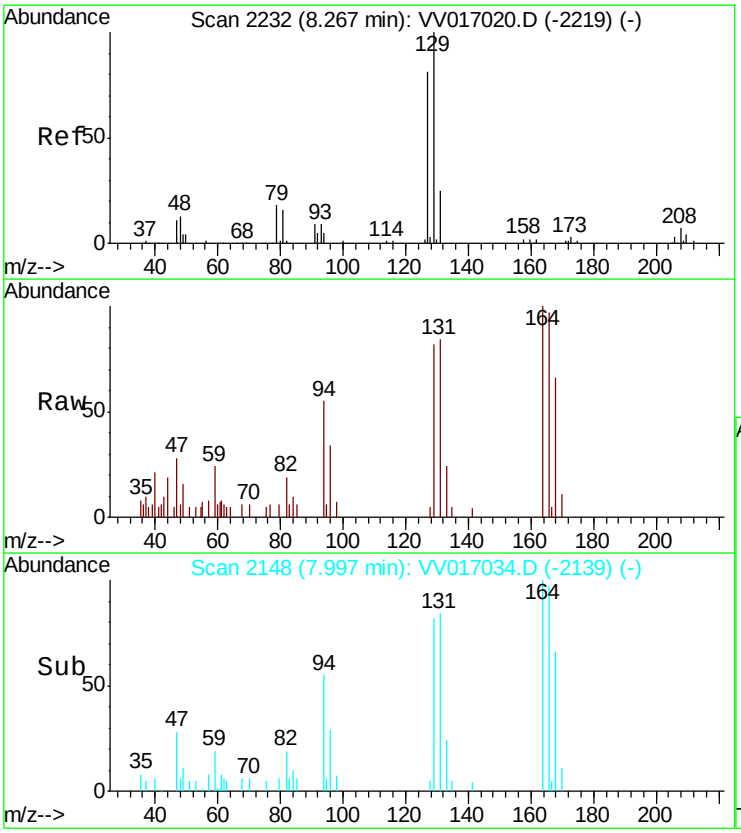
#50
2-Hexanone
Concen: 0.641 ug/L
RT: 8.17 min Scan# 2203
Delta R.T. 0.01 min
Lab File: VV017034.D
Acq: 22 Jun 2020 22:09

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 43 Resp: 3093

Ion	Ratio	Lower	Upper
43	100		
58	0.0	41.6	62.4#
57	3.7	15.4	23.0#
100	7.8	10.1	15.1#

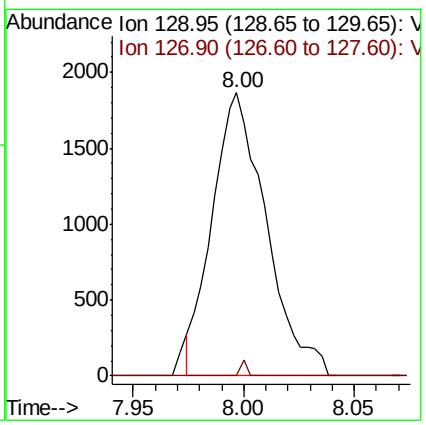


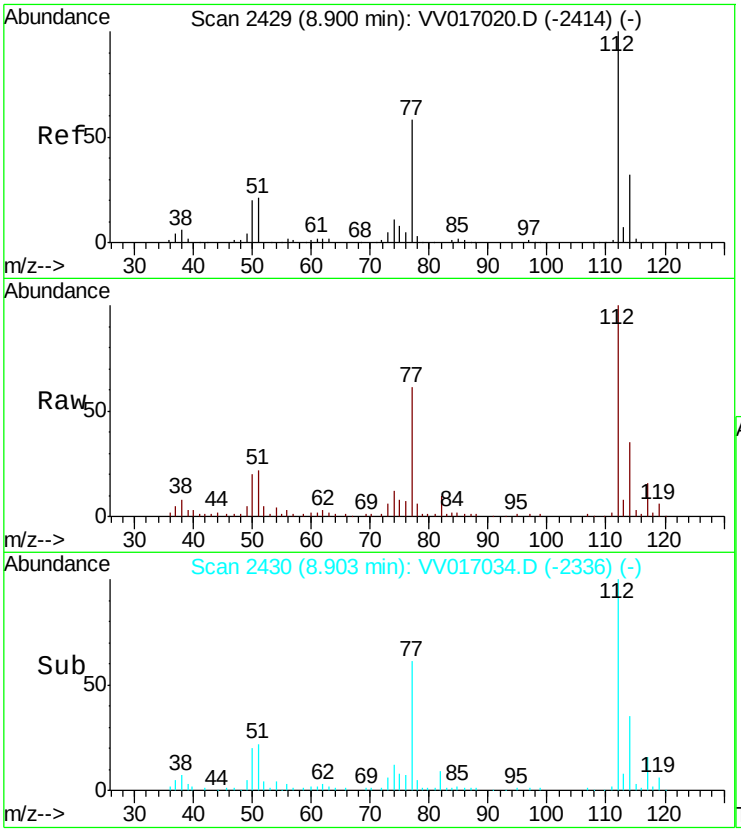


#51
Dibromochloromethane
Concen: 0.314 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. -0.27 min
Lab File: VV017034.D
Acq: 22 Jun 2020 22:09

Tgt Ion:129 Resp: 3167

Ion	Ratio	Lower	Upper
129	100		
127	6.4	54.1	100.5#



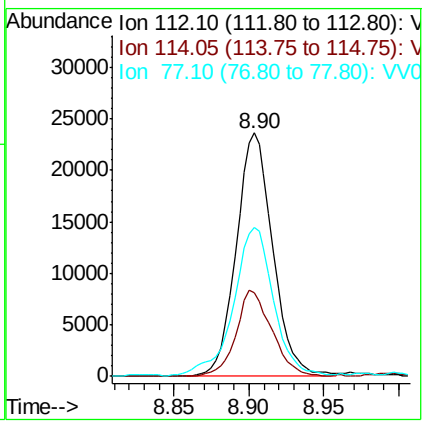


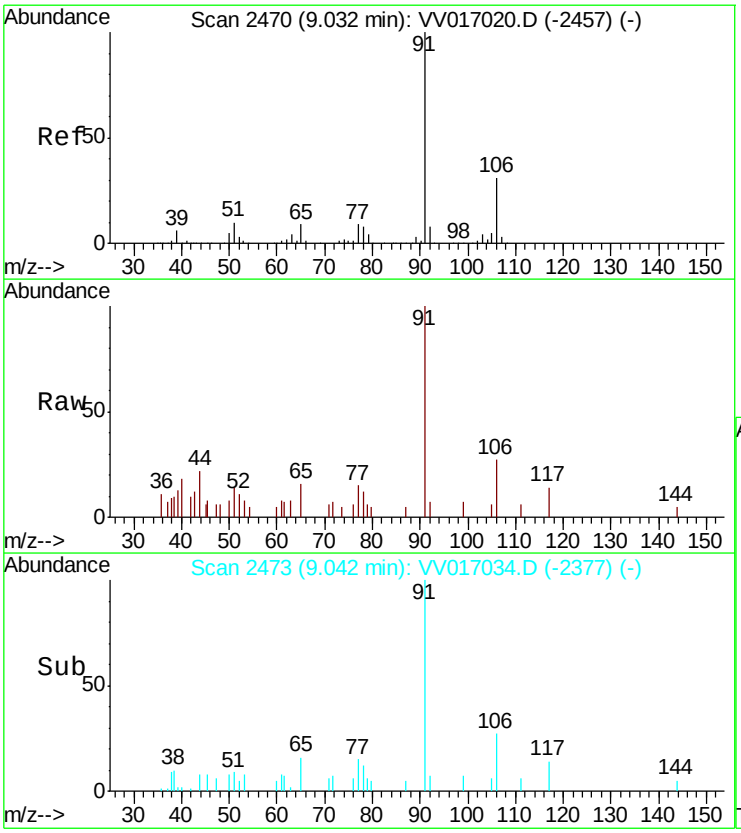
#53
Chlorobenzene
Concen: 1.171 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV017034.D
Acq: 22 Jun 2020 22:09

Instrument : MSVOA_V
ClientSampleId :

Tgt Ion:112 Resp: 40231

Ion	Ratio	Lower	Upper
112	100		
114	34.6	22.0	41.0
77	61.4	46.0	69.0

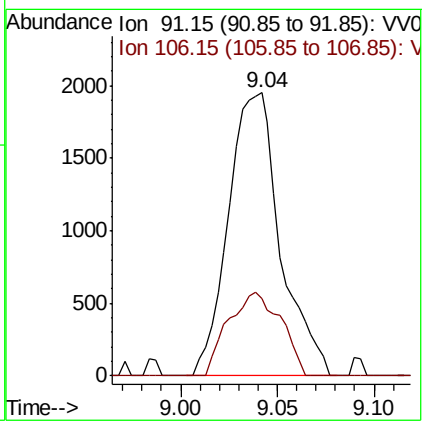


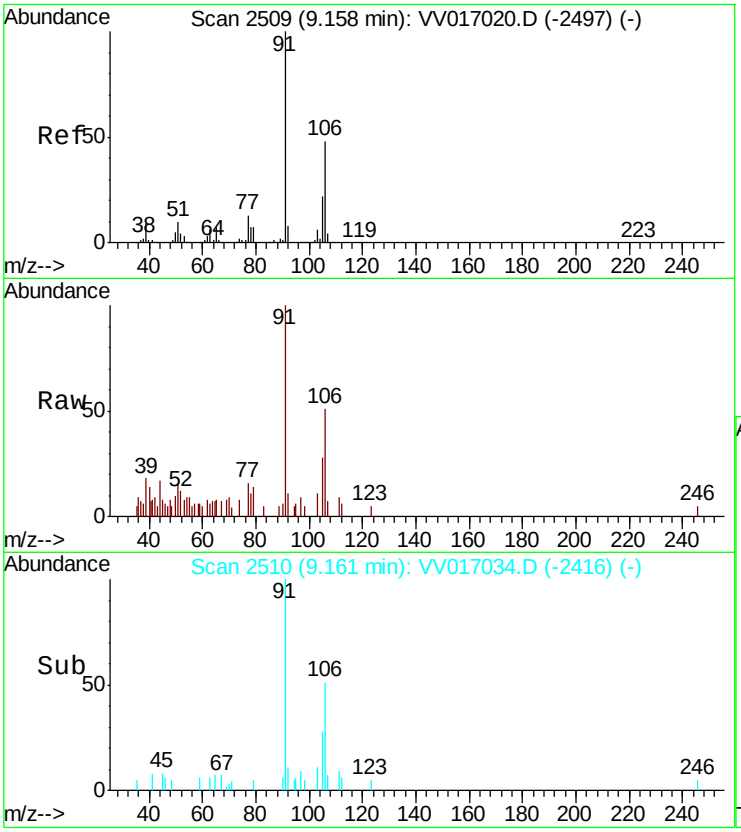


#54
Ethylbenzene
Concen: 0.062 ug/L
RT: 9.04 min Scan# 2473
Delta R.T. 0.01 min
Lab File: VV017034.D
Acq: 22 Jun 2020 22:09

Tgt Ion: 91 Resp: 3656

Ion	Ratio	Lower	Upper
91	100		
106	27.2	21.1	39.1



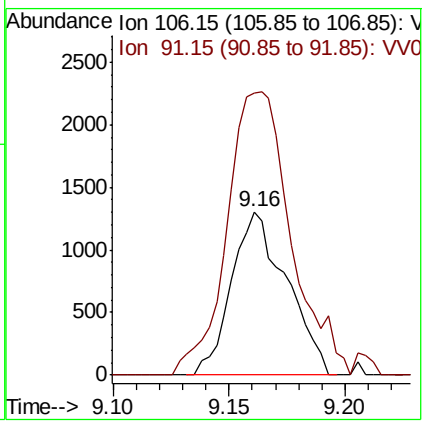


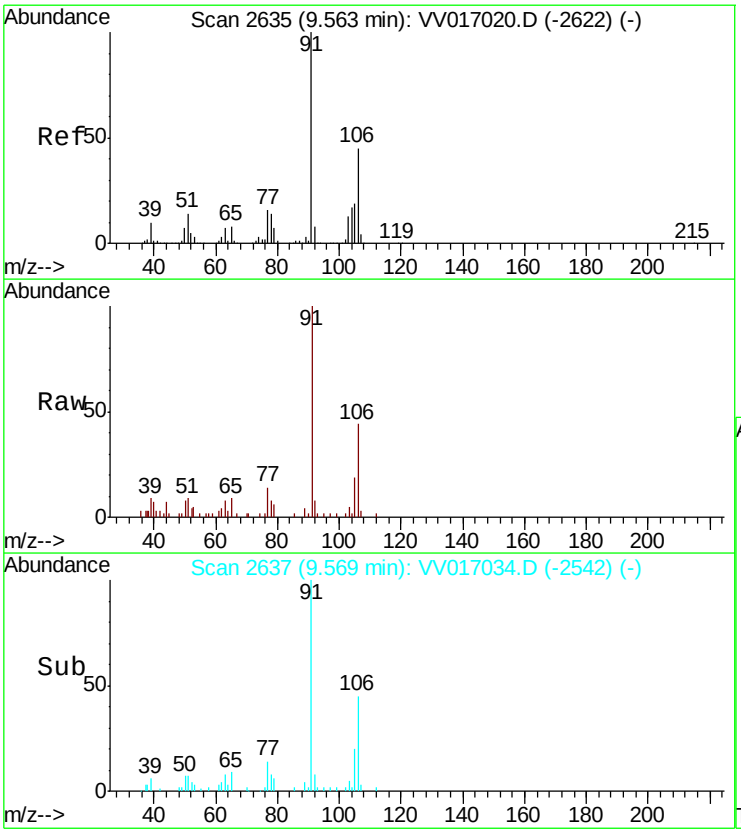
#55
m,p-xylene
Concen: 0.093 ug/L
RT: 9.16 min Scan# 2510
Delta R.T. 0.00 min
Lab File: VV017034.D
Acq: 22 Jun 2020 22:09

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion:106 Resp: 2152

Ion	Ratio	Lower	Upper
106	100		
91	173.0	142.7	264.9

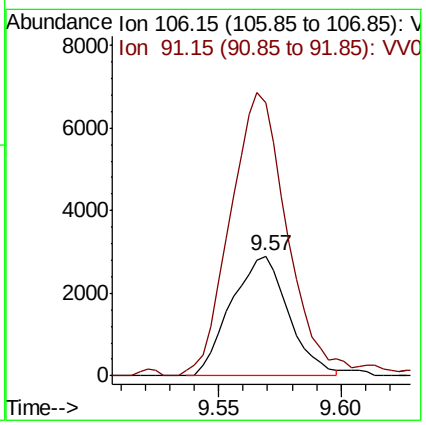


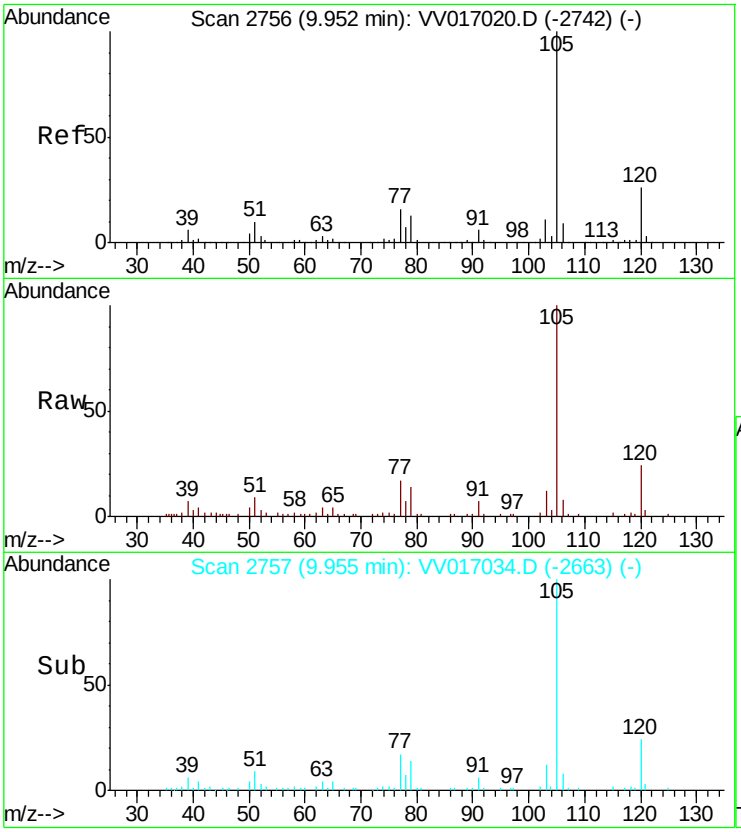


#56
o-xylene
Concen: 0.219 ug/L
RT: 9.57 min Scan# 2637
Delta R.T. 0.01 min
Lab File: VV017034.D
Acq: 22 Jun 2020 22:09

Tgt Ion:106 Resp: 4720

Ion	Ratio	Lower	Upper
106	100		
91	227.5	153.6	285.2



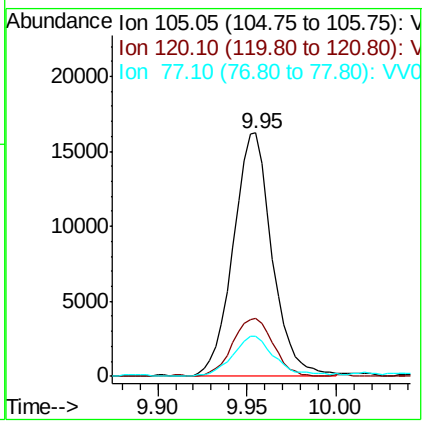


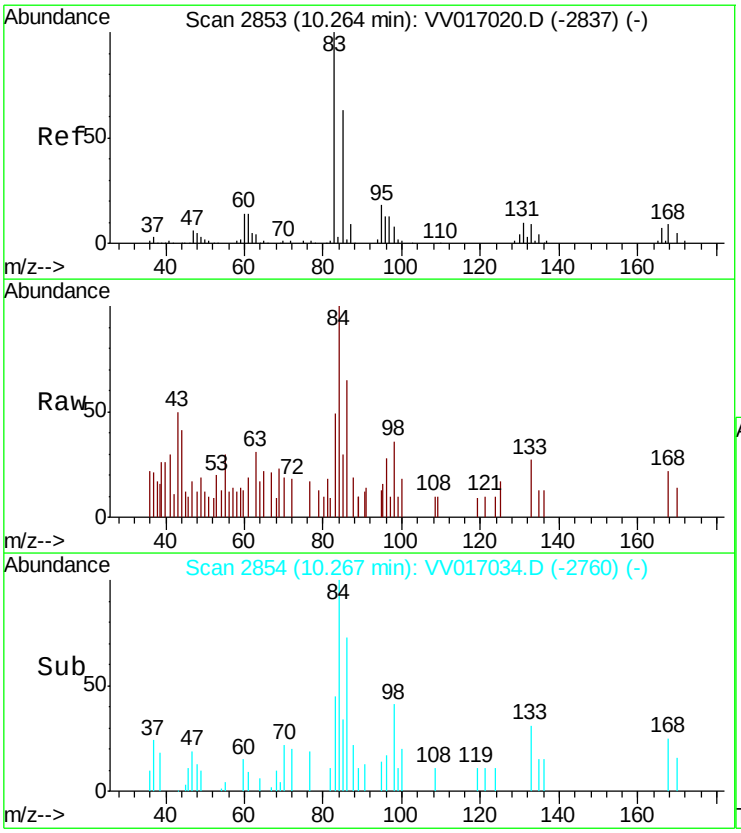
#58
Isopropylbenzene
Concen: 0.418 ug/L
RT: 9.95 min Scan# 2757
Delta R.T. 0.00 min
Lab File: VV017034.D
Acq: 22 Jun 2020 22:09

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion:105 Resp: 24756

Ion	Ratio	Lower	Upper
105	100		
120	25.0	21.2	31.8
77	18.3	13.0	19.4

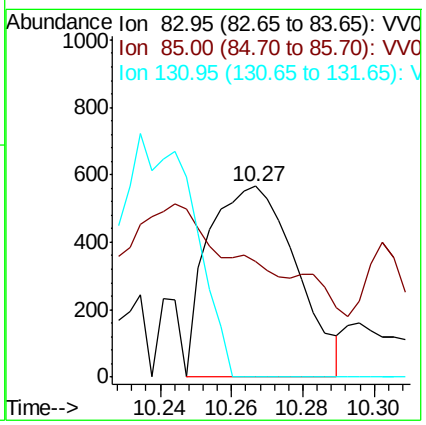


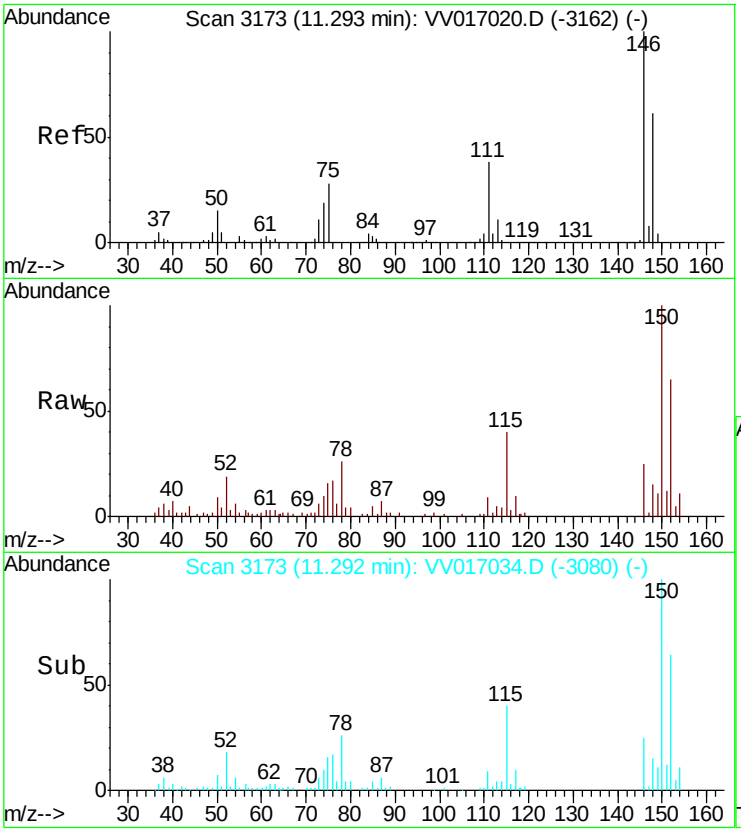


#60
1,1,2,2-Tetrachloroethane
Concen: 0.112 ug/L
RT: 10.27 min Scan# 2854
Delta R.T. 0.00 min
Lab File: VV017034.D
Acq: 22 Jun 2020 22:09

Tgt Ion: 83 Resp: 965

Ion	Ratio	Lower	Upper
83	100		
85	60.7	42.9	79.7
131	0.0	8.6	13.0#



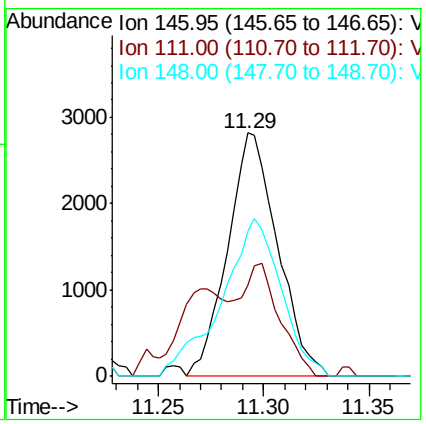


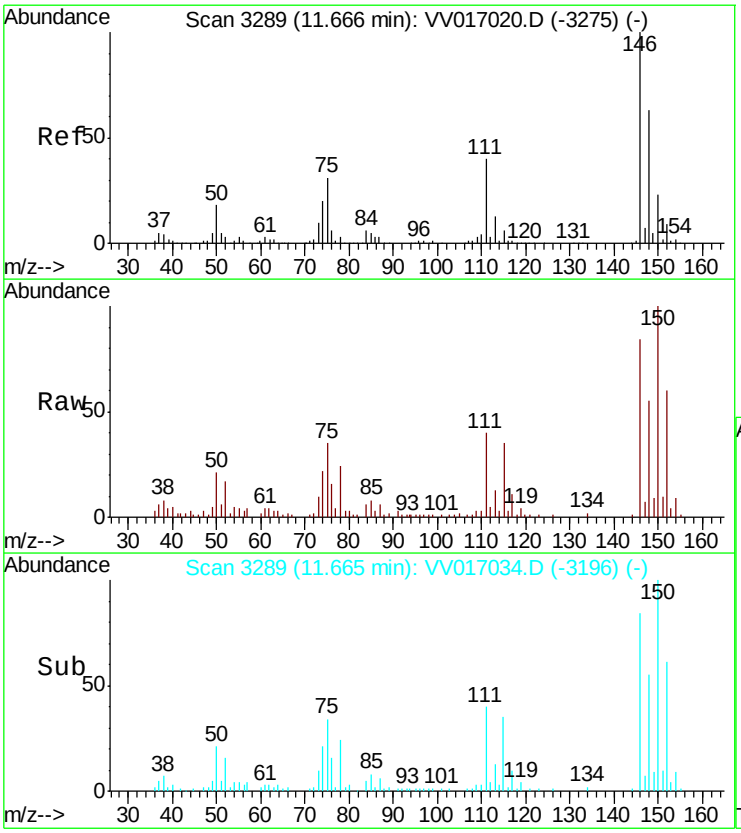
#64
1,4-Dichlorobenzene
Concen: 0.164 ug/L
RT: 11.29 min Scan# 3173
Delta R.T. -0.00 min
Lab File: VV017034.D
Acq: 22 Jun 2020 22:09

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion:146 Resp: 4642

Ion	Ratio	Lower	Upper
146	100		
111	37.6	27.4	50.8
148	59.6	44.3	82.3





#66
1,2-Dichlorobenzene
Concen: 1.005 ug/L
RT: 11.67 min Scan# 3289
Delta R.T. -0.00 min
Lab File: VV017034.D
Acq: 22 Jun 2020 22:09

Tgt Ion:146 Resp: 25445

Ion	Ratio	Lower	Upper
146	100		
111	47.9	34.4	51.6
148	65.6	49.9	74.9