Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV111919\

Quantitation Report (Not Reviewed)

Data File : VV013679.D
Acq On : 19 Nov 2019 15:33
Operator : SY/MD
Sample : K5910-21
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQK4

Quant Time: Nov 20 01:35:03 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111519WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Nov 20 01:31:47 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	495992	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	453769	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	264618	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.32	65	102611	3.35	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 67.00%			
7) Chloroethane-d5	1.64	69	64307	2.35	ug/L	0.06
Spiked Amount 5.000	Range 65 - 130		Recovery = 47.00%#			
11) 1,1-Dichloroethene-d2	2.13	63	171250	3.12	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 62.40%			
20) 2-Butanone-d5	3.92	46	335162	47.30	ug/L	-0.03
Spiked Amount 50.000	Range 40 - 130		Recovery = 94.60%			
24) Chloroform-d	4.40	84	274764	4.06	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 81.20%			
26) 1,2-Dichloroethane-d4	5.08	65	130601	4.01	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 80.20%			
32) Benzene-d6	5.10	84	520310	4.11	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 82.20%			
36) 1,2-Dichloropropane-d6	6.12	67	159668	4.27	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 85.40%			
41) Toluene-d8	7.36	98	491212	4.18	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 83.60%			
43) trans-1,3-Dichloropropene-	7.66	79	55689	3.87	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 77.40%			
46) 2-Hexanone-d5	8.13	63	279768	51.39	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 102.78%			
57) 1,1,2,2-Tetrachloroethane-	10.26	84	123108	4.55	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 91.00%			
64) 1,2-Dichlorobenzene-d4	11.67	152	223856	4.40	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 88.00%			

Target Compounds						Qvalue
3) Chloromethane	1.23	50	21272	0.485	ug/L #	68
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	2202	0.072	ug/L #	22
12) 1,1-Dichloroethene	2.13	96	2078	0.070	ug/L #	1
13) Acetone	2.15	43	5779474	1292.837	ug/L	92
14) Carbon disulfide	2.32	76	8776	0.086	ug/L	96
15) Methyl Acetate	2.46	43	769072	60.742	ug/L #	53
16) Methylene chloride	2.47	84	471784	11.456	ug/L #	3
17) Methyl tert-butyl Ether	2.80	73	77730	1.027	ug/L #	1
19) 1,1-Dichloroethane	3.19	63	35121	0.538	ug/L #	1
21) 2-Butanone	3.81	43	2593041	345.896	ug/L #	52
25) Chloroform	4.45	83	234223	2.650	ug/L	84
27) 1,2-Dichloroethane	5.14	62	160391	4.085	ug/L #	83
30) Cyclohexane	4.73	56	12668533	232.162	ug/L #	95
33) Benzene	5.14	78	18064442	131.521	ug/L	100
34) Trichloroethene	5.99	95	50846	1.383	ug/L #	14
35) Methylcyclohexane	6.18	83	3004390	53.578	ug/L	88
37) 1,2-Dichloropropane	6.17	63	37093	1.128	ug/L #	82

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV111919\

Quantitation Report (Not Reviewed)

Data File : VV013679.D
Acq On : 19 Nov 2019 15:33
Operator : SY/MD
Sample : K5910-21
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQK4

Quant Time: Nov 20 01:35:03 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111519WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Nov 20 01:31:47 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
38) Bromodichloromethane	6.61	83	34722	0.757	ug/L	#	30
40) 4-Methyl-2-pentanone	7.27	43	24093	1.259	ug/L	#	74
44) trans-1,3-Dichloropropene	7.45	75	732509	19.661	ug/L	#	1
45) 1,1,2-Trichloroethane	7.83	97	169167	7.133	ug/L	#	21
48) 2-Hexanone	8.19	43	27925	2.058	ug/L	#	80
50) 1,2-Dibromoethane	8.36	107	3291	0.144	ug/L	#	1
55) Styrene	9.60	104	2077405	21.648	ug/L	#	1
56) Isopropylbenzene	9.97	105	8093065	53.644	ug/L		98
59) 1,2,3-Trichloropropane	10.40	75	204871	10.078	ug/L	#	1
63) 1,4-Dichlorobenzene	11.32	146	4852	0.054	ug/L	#	89
66) 1,2-Dibromo-3-chloropropan	12.46	75	55501	11.252	ug/L	#	1
67) 1,3,5-Trichlorobenzene	12.69	180	4666	0.063	ug/L	#	32
68) 1,2,4-trichlorobenzene	13.31	180	5458	0.090	ug/L	#	1
69) Naphthalene	13.55	128	14661751	177.519	ug/L		95

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

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV111919\

Quantitation Report (Not Reviewed)

Data File : VV013679.D
Acq On : 19 Nov 2019 15:33
Operator : SY/MD
Sample : K5910-21
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ALS Vial : 9 Sample Multiplier: 1

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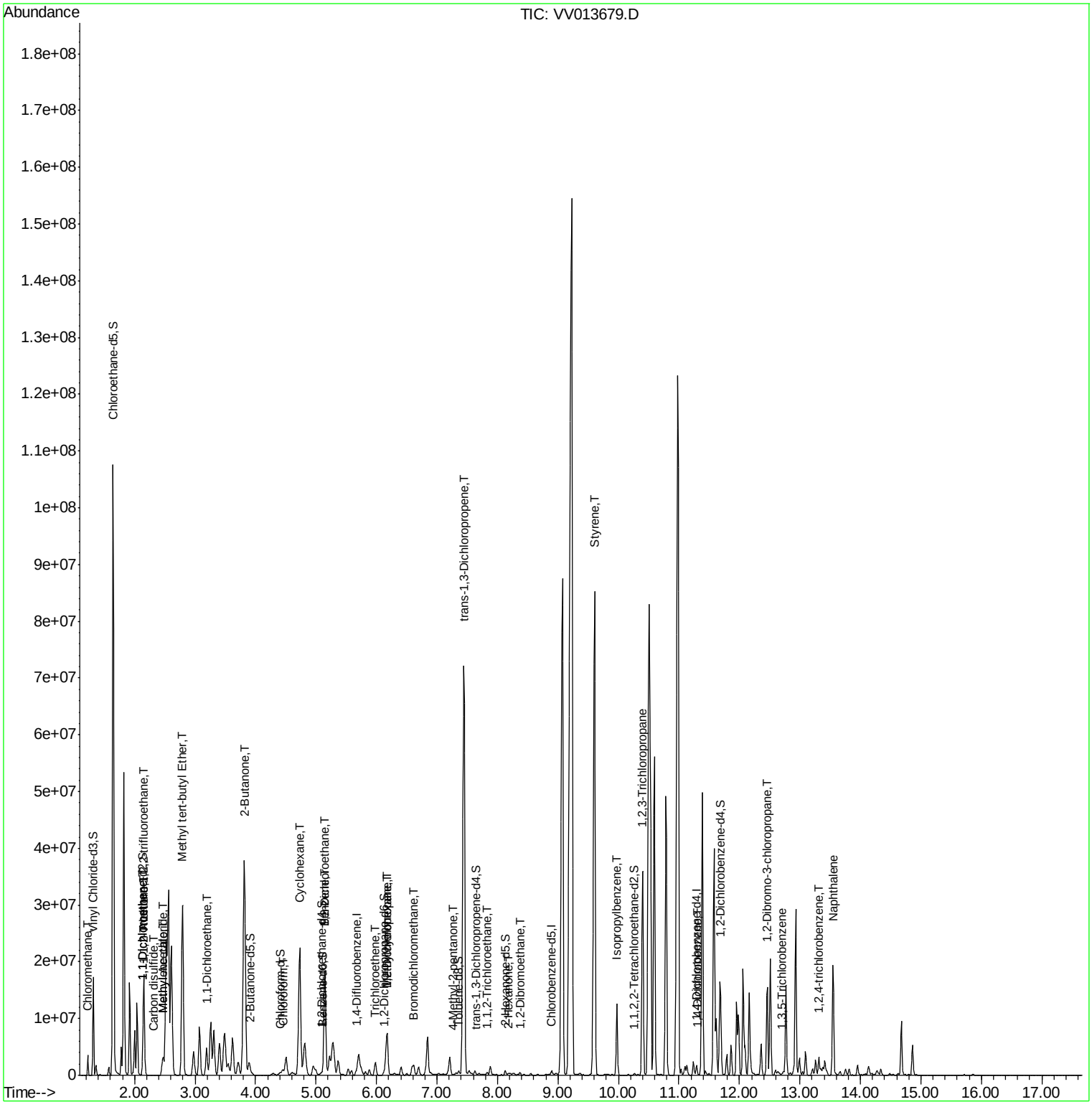
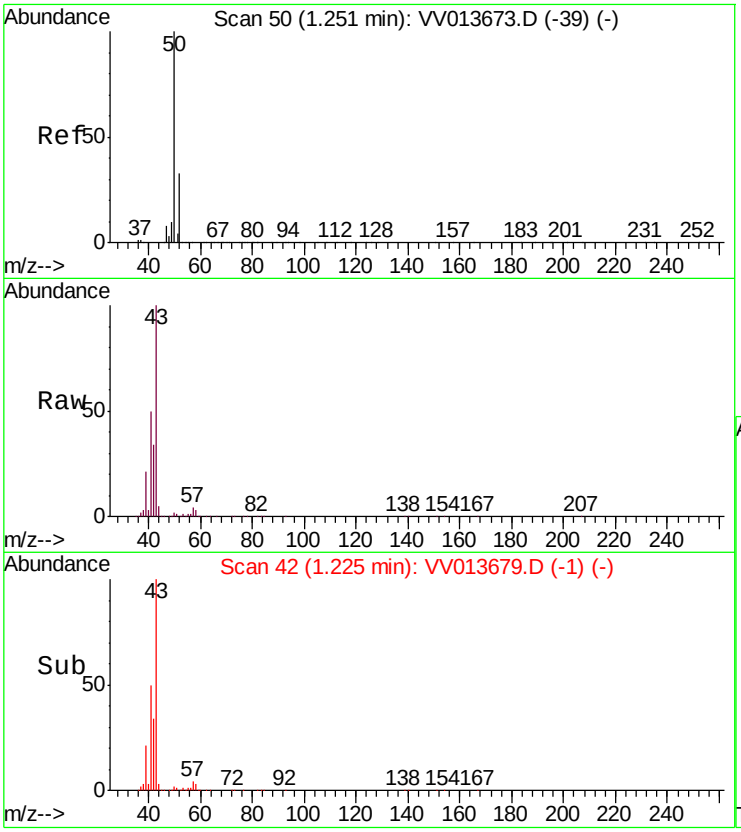
ClientSampleId : GAQK4

Quant Time: Nov 20 01:35:03 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111519WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Nov 20 01:31:47 2019
Response via : Initial Calibration



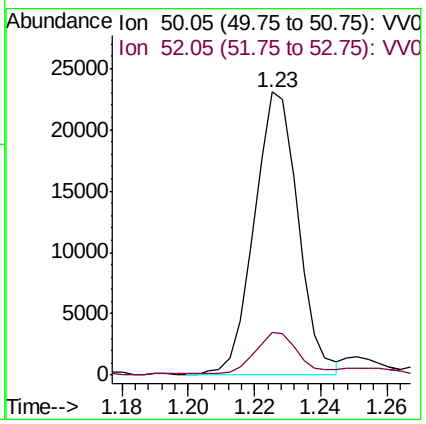


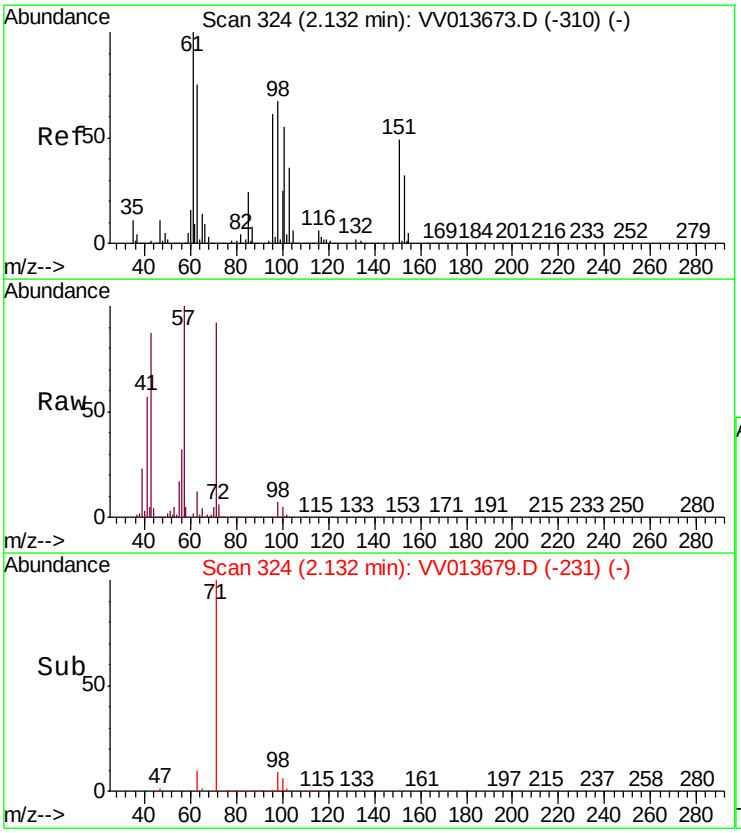
#3
Chloromethane
Concen: 0.485 ug/L
RT: 1.23 min Scan# 42
Delta R.T. -0.03 min
Lab File: VV013679.D
Acq: 19 Nov 2019 15:33

Instrument :
MSVOA_V
ClientSampleId :
GAQK4

Tgt Ion: 50 Resp: 21272

Ion	Ratio	Lower	Upper
50	100		
52	14.9	23.4	43.4#

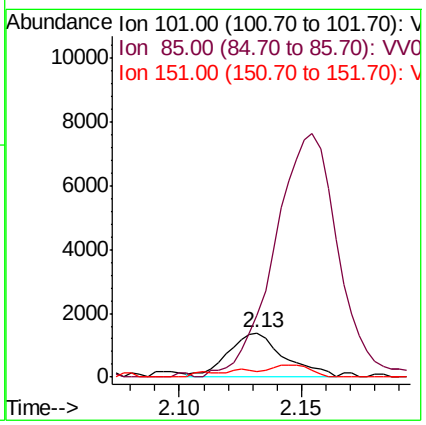


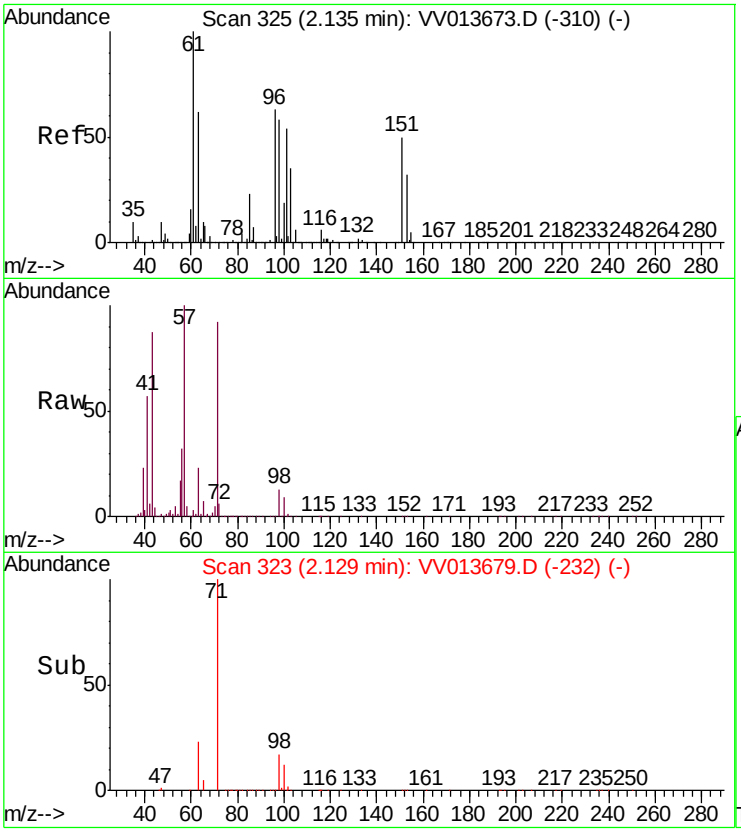


#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.072 ug/L
RT: 2.13 min Scan# 324
Delta R.T. -0.00 min
Lab File: VV013679.D
Acq: 19 Nov 2019 15:33

Tgt Ion:101 Resp: 2202

Ion	Ratio	Lower	Upper
101	100		
85	0.0	32.0	48.0#
151	8.6	69.0	103.6#



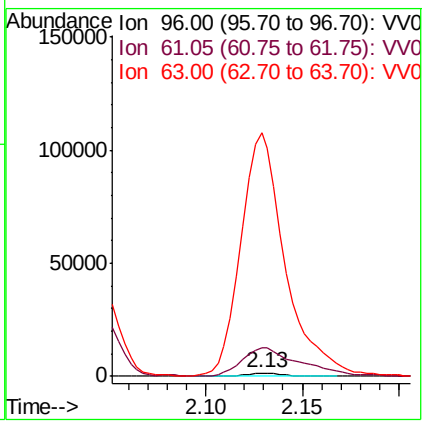


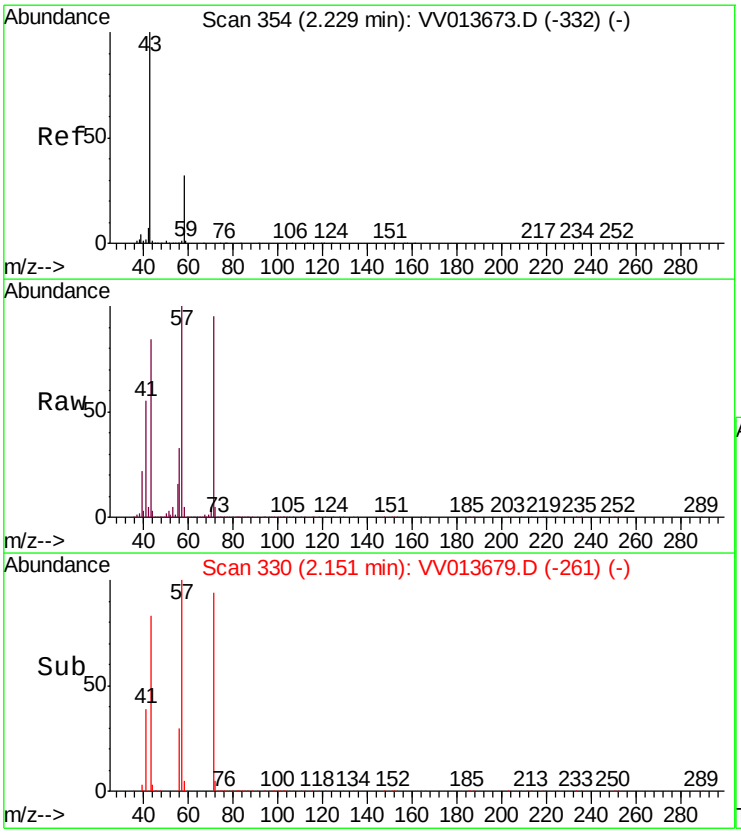
#12
1,1-Dichloroethene
Concen: 0.070 ug/L
RT: 2.13 min Scan# 323
Delta R.T. -0.01 min
Lab File: VV013679.D
Acq: 19 Nov 2019 15:33

Instrument :
MSVOA_V
ClientSampleId :
GAQK4

Tgt Ion: 96 Resp: 2078

Ion	Ratio	Lower	Upper
96	100		
61	882.9	112.5	208.9#
63	7366.5	76.9	142.7#

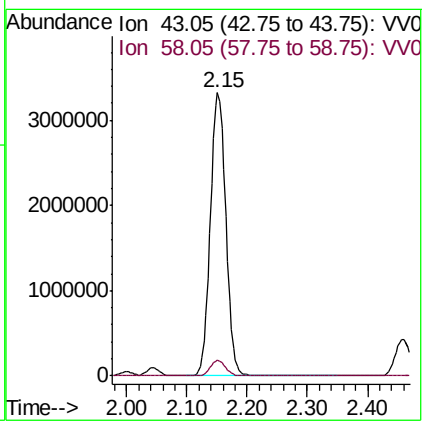


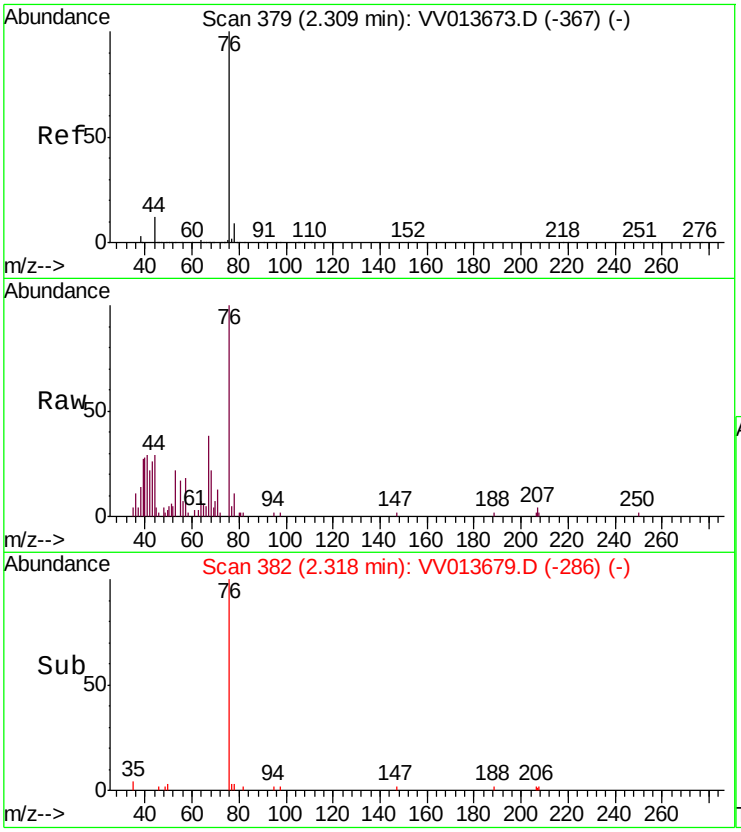


#13
Acetone
Concen: 1292.837 ug/L
RT: 2.15 min Scan# 330
Delta R.T. -0.08 min
Lab File: VV013679.D
Acq: 19 Nov 2019 15:33

Tgt Ion: 43 Resp: 5779474

Ion	Ratio	Lower	Upper
43	100		
58	5.5	0.0	17.0



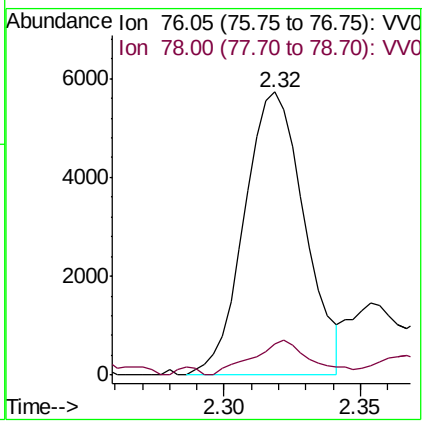


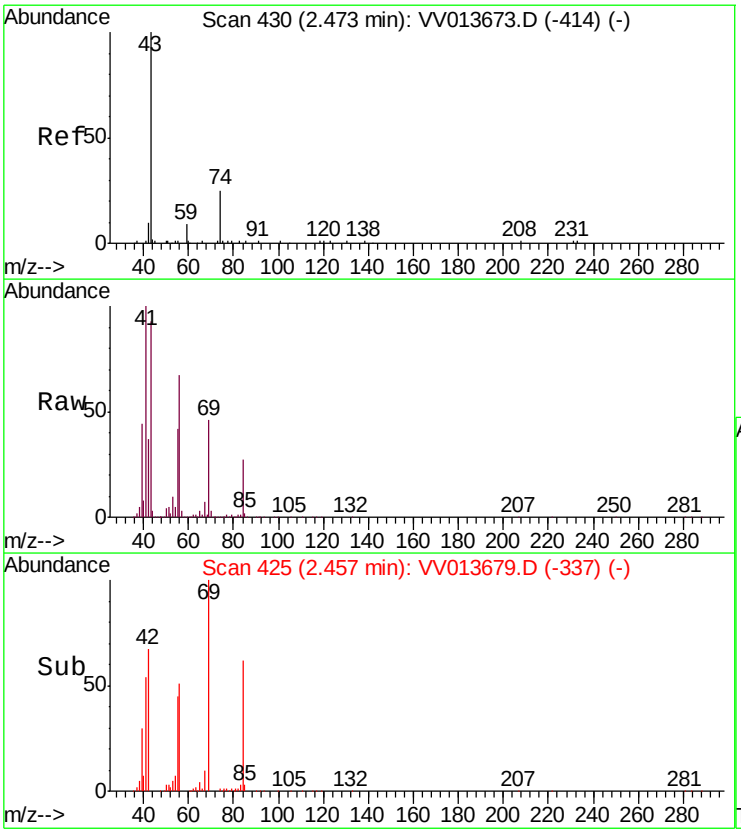
#14
Carbon disulfide
Concen: 0.086 ug/L
RT: 2.32 min Scan# 382
Delta R.T. 0.01 min
Lab File: VV013679.D
Acq: 19 Nov 2019 15:33

Instrument :
MSVOA_V
ClientSampleId :
GAQK4

Tgt Ion: 76 Resp: 8776

Ion	Ratio	Lower	Upper
76	100		
78	10.9	7.4	11.2

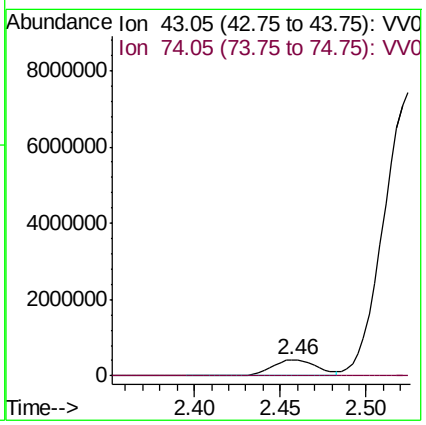


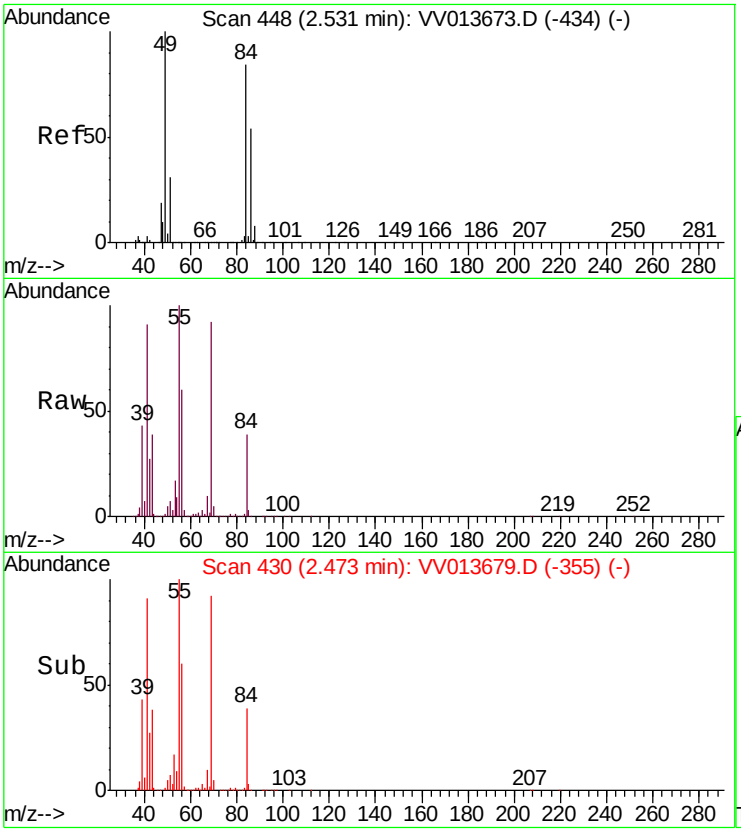


#15
Methyl Acetate
Concen: 60.742 ug/L
RT: 2.46 min Scan# 425
Delta R.T. -0.02 min
Lab File: VV013679.D
Acq: 19 Nov 2019 15:33

Tgt Ion: 43 Resp: 769072

Ion	Ratio	Lower	Upper
43	100		
74	0.4	18.9	28.3#



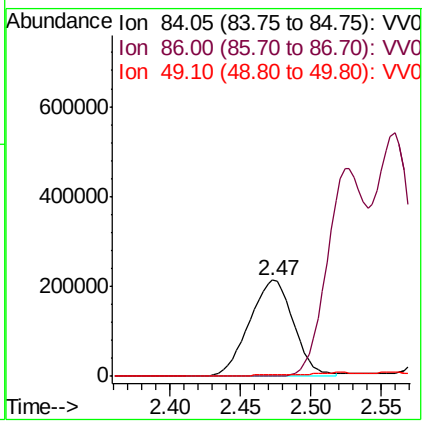


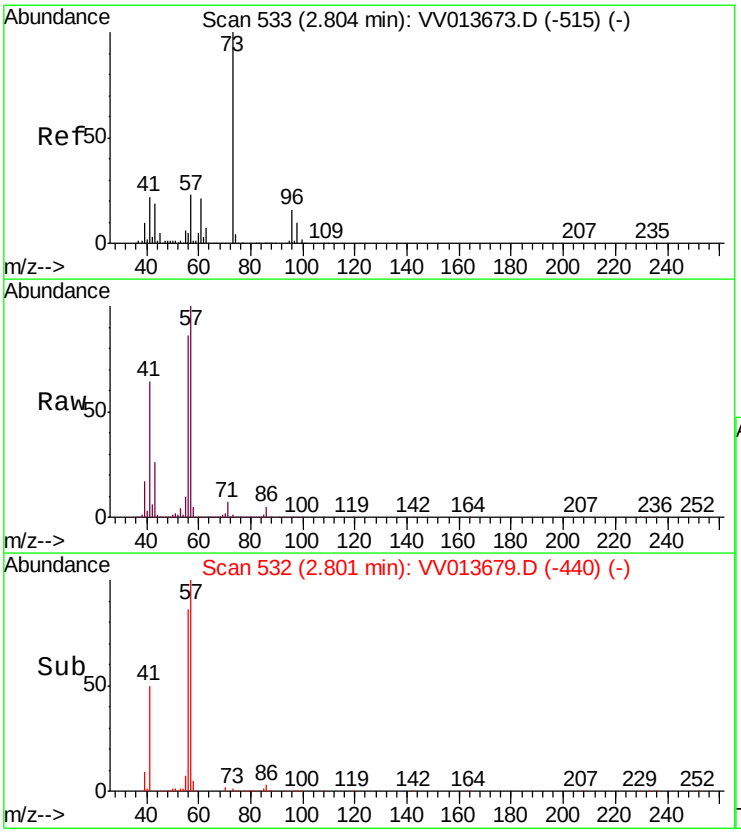
#16
Methylene chloride
Concen: 11.456 ug/L
RT: 2.47 min Scan# 430
Delta R.T. -0.06 min
Lab File: VV013679.D
Acq: 19 Nov 2019 15:33

Instrument :
MSVOA_V
ClientSampleId :
GAQK4

Tgt Ion: 84 Resp: 471784

Ion	Ratio	Lower	Upper
84	100		
86	0.2	44.1	81.9#
49	1.6	83.4	155.0#

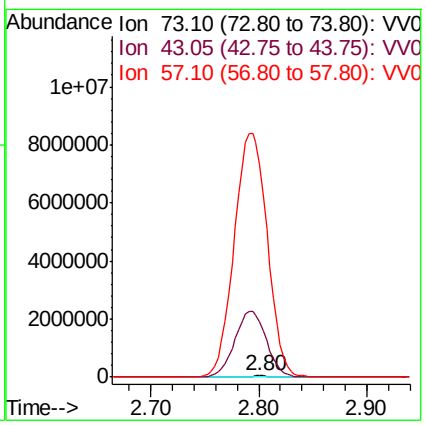


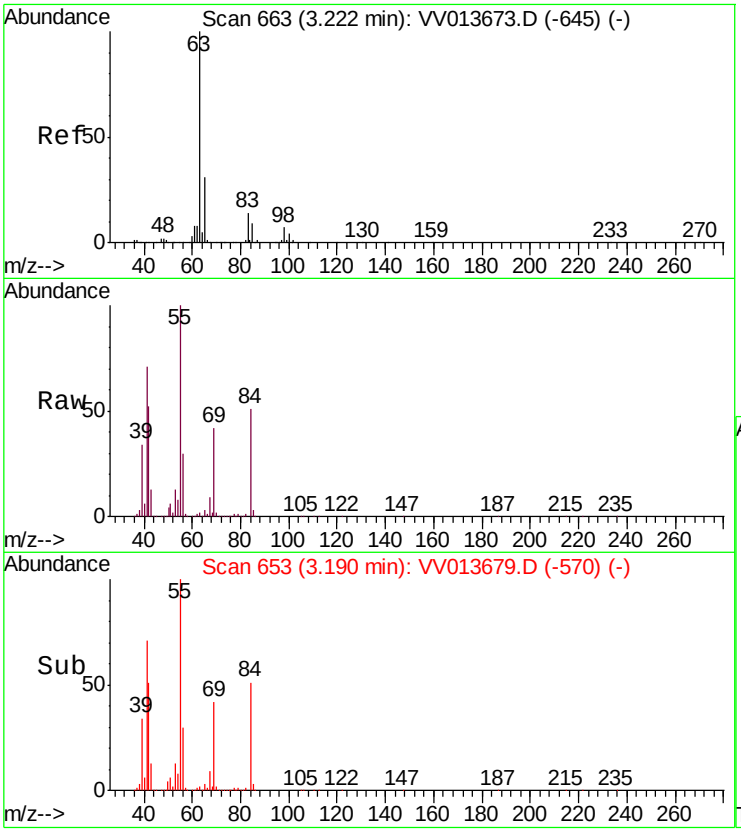


#17
Methyl tert-butyl Ether
Concen: 1.027 ug/L
RT: 2.80 min Scan# 532
Delta R.T. -0.00 min
Lab File: VV013679.D
Acq: 19 Nov 2019 15:33

Tgt Ion: 73 Resp: 77730

Ion	Ratio	Lower	Upper
73	100		
43	5940.4	15.4	23.0#
57	23107.7	18.1	27.1#



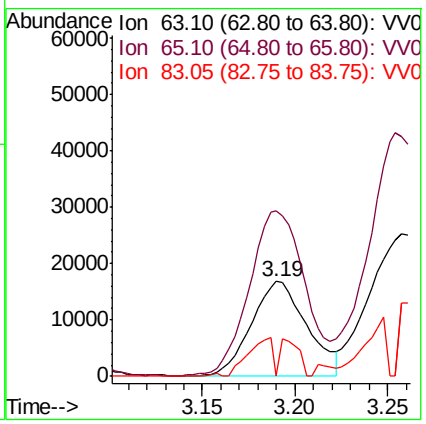


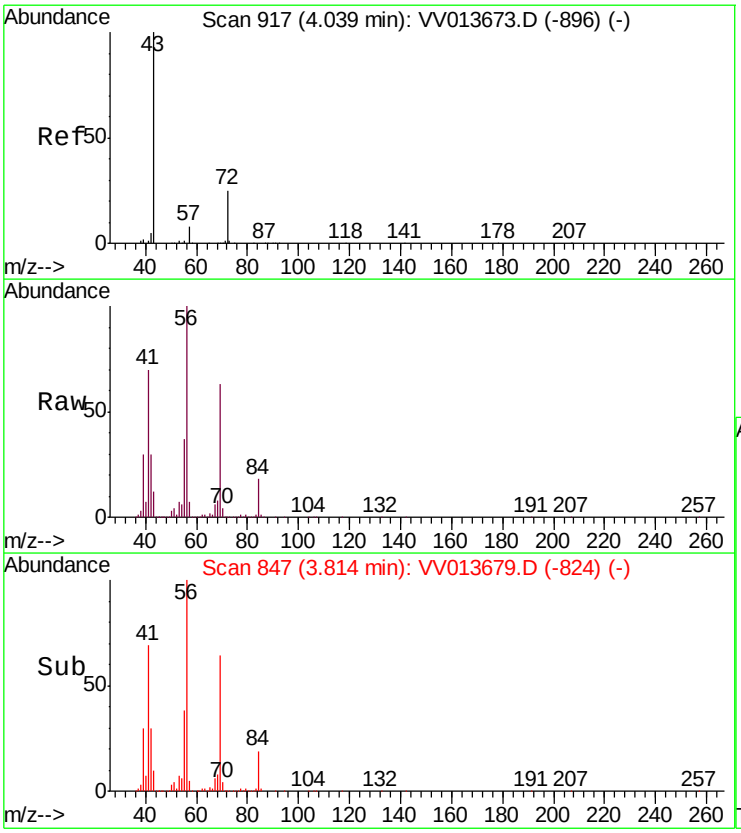
#19
1,1-Dichloroethane
Concen: 0.538 ug/L
RT: 3.19 min Scan# 653
Delta R.T. -0.03 min
Lab File: VV013679.D
Acq: 19 Nov 2019 15:33

Instrument : MSVOA_V
ClientSampleId : GAQK4

Tgt Ion: 63 Resp: 35121

Ion	Ratio	Lower	Upper
63	100		
65	174.1	22.5	41.7#
83	0.0	9.7	17.9#

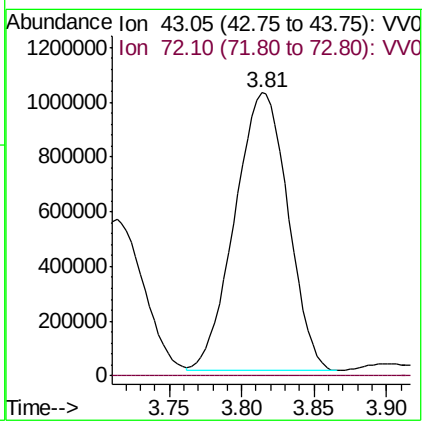


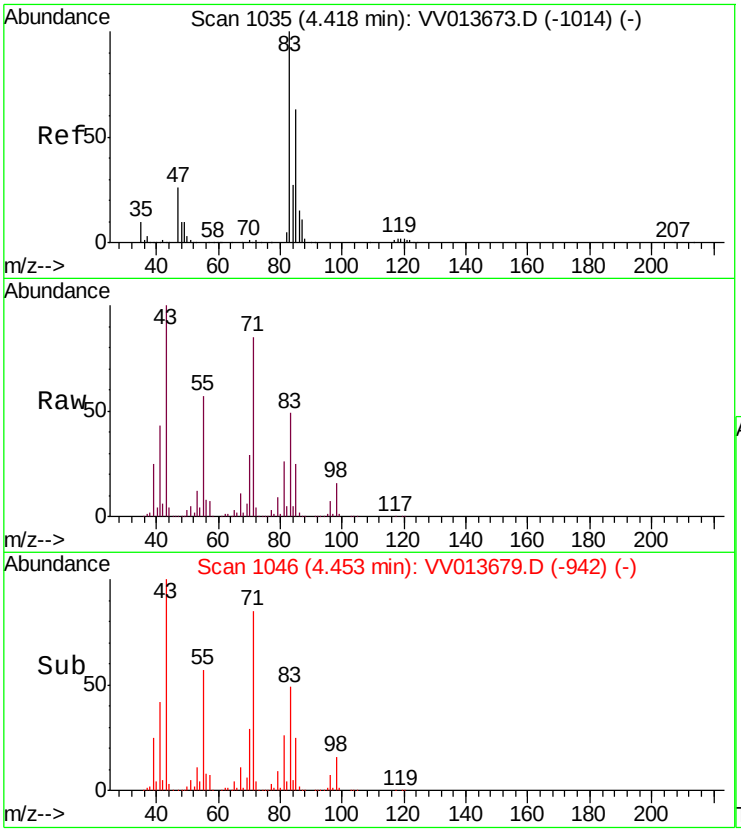


#21
2-Butanone
Concen: 345.896 ug/L
RT: 3.81 min Scan# 847
Delta R.T. -0.23 min
Lab File: VV013679.D
Acq: 19 Nov 2019 15:33

Tgt Ion: 43 Resp: 2593041

Ion	Ratio	Lower	Upper
43	100		
72	0.0	11.6	34.8#



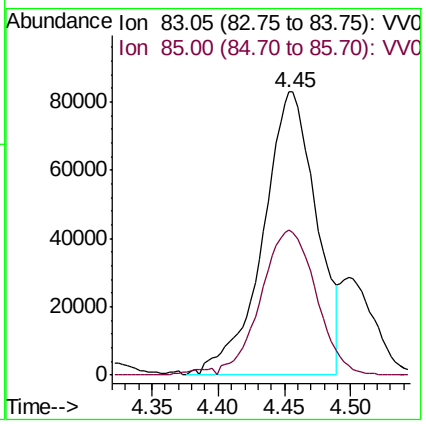


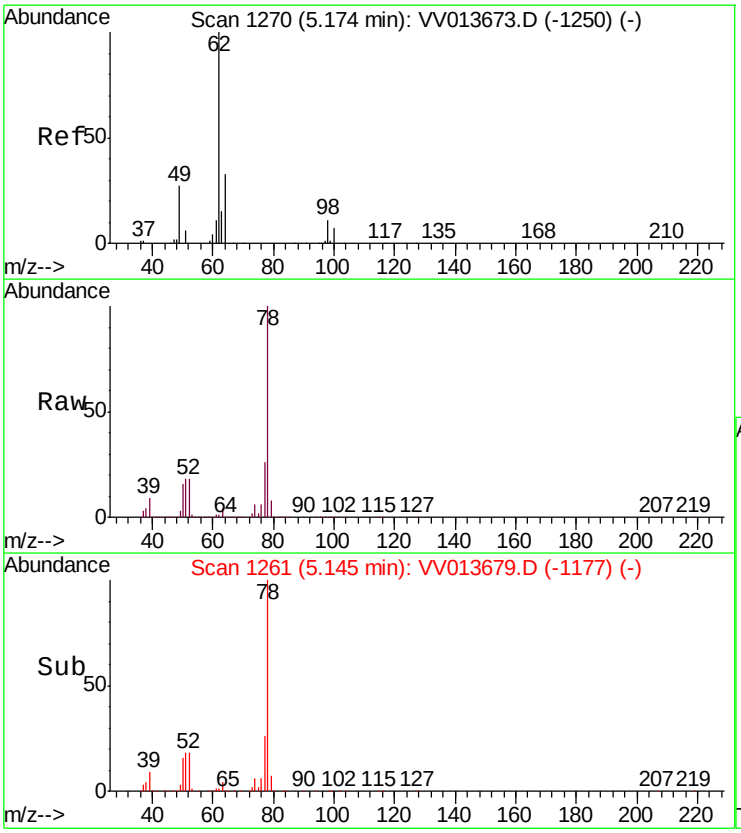
#25
Chloroform
Concen: 2.650 ug/L
RT: 4.45 min Scan# 1046
Delta R.T. 0.04 min
Lab File: VV013679.D
Acq: 19 Nov 2019 15:33

Instrument : MSVOA_V
ClientSampleId : GAQK4

Tgt Ion: 83 Resp: 234223

Ion	Ratio	Lower	Upper
83	100		
85	51.3	44.4	82.5

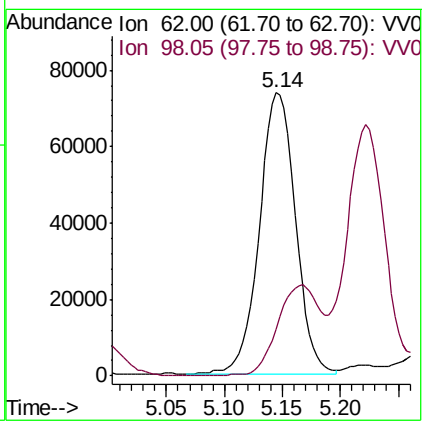


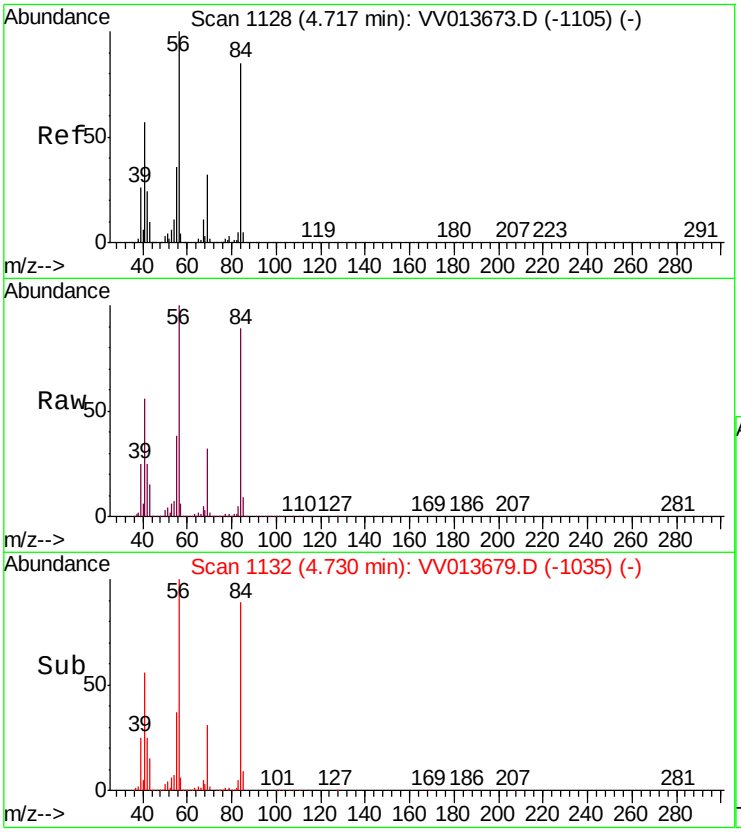


#27
1,2-Dichloroethane
Concen: 4.085 ug/L
RT: 5.14 min Scan# 1261
Delta R.T. -0.03 min
Lab File: VV013679.D
Acq: 19 Nov 2019 15:33

Tgt Ion: 62 Resp: 160391

Ion	Ratio	Lower	Upper
62	100		
98	16.6	8.2	12.2#



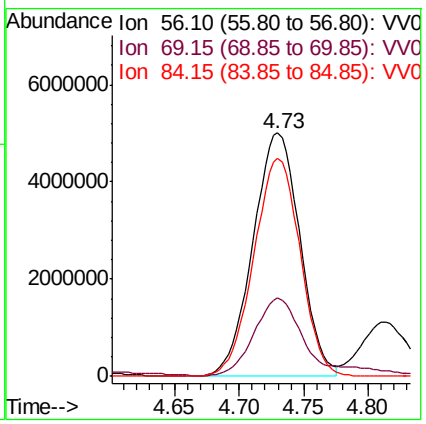


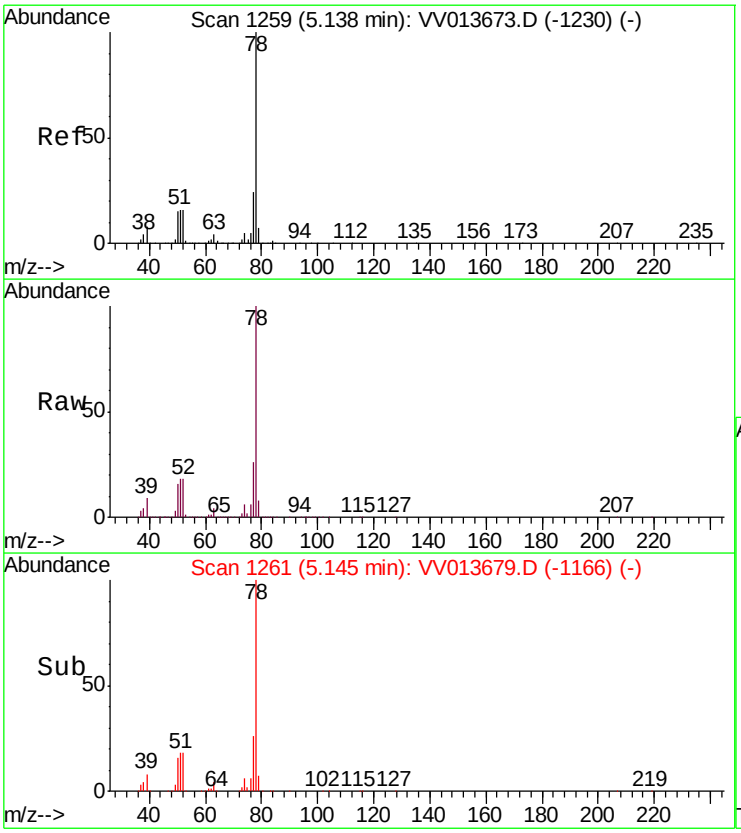
#30
Cyclohexane
Concen: 232.162 ug/L
RT: 4.73 min Scan# 1132
Delta R.T. 0.01 min
Lab File: VV013679.D
Acq: 19 Nov 2019 15:33

Instrument : MSVOA_V
ClientSampleId : GAQK4

Tgt Ion: 56 Resp:12668533

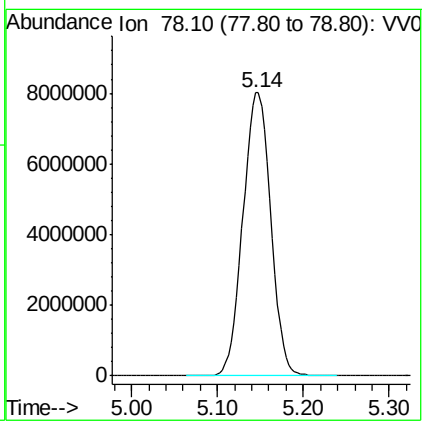
Ion	Ratio	Lower	Upper
56	100		
69	36.7	23.8	35.8#
84	88.9	69.1	103.7

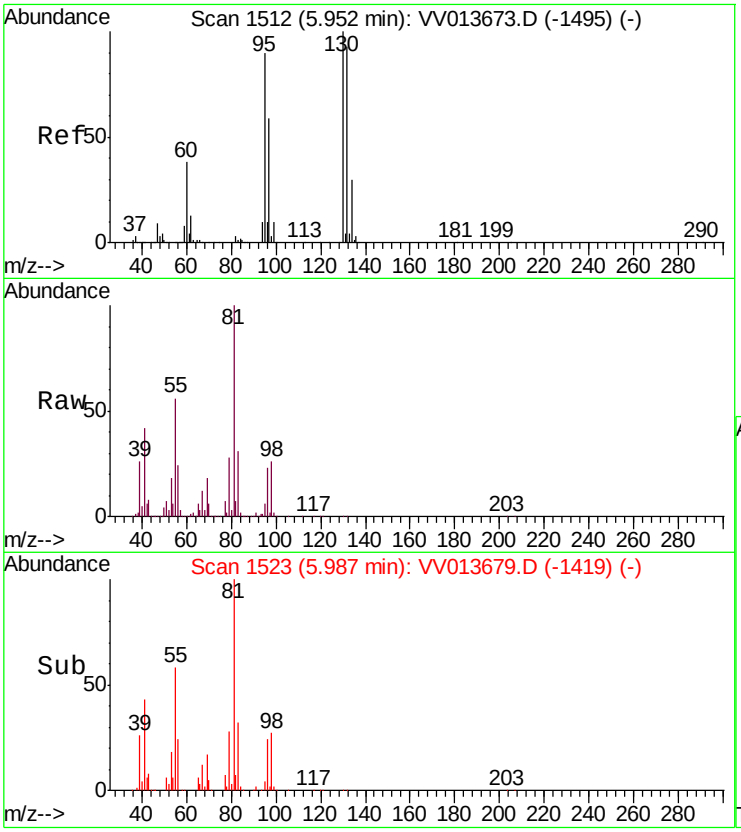




#33
Benzene
Concen: 131.521 ug/L
RT: 5.14 min Scan# 1261
Delta R.T. 0.01 min
Lab File: VV013679.D
Acq: 19 Nov 2019 15:33

Tgt Ion: 78 Resp:18064442



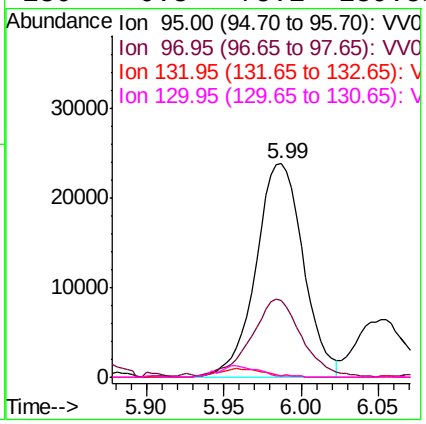


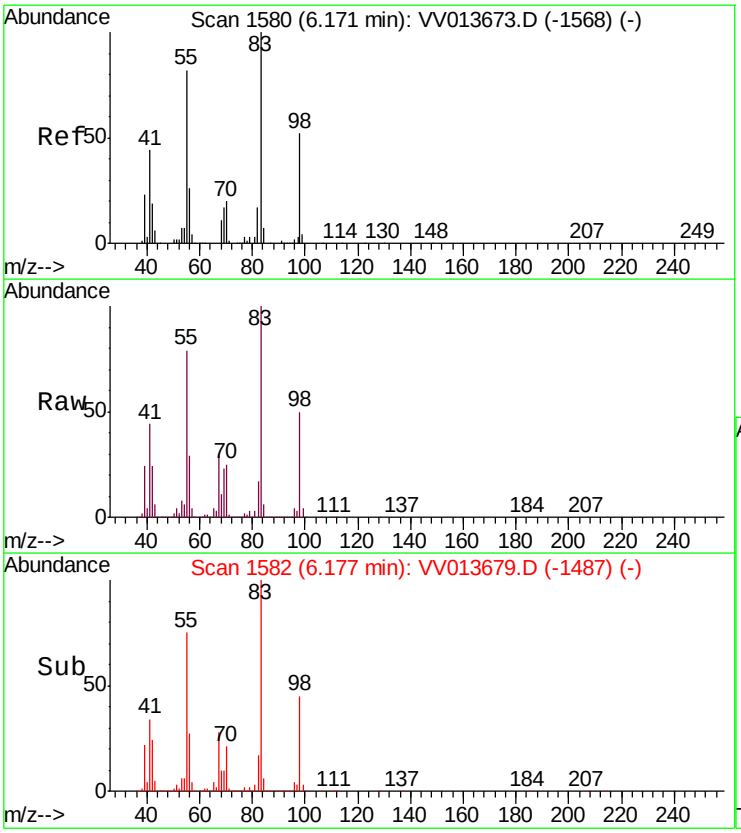
#34
Trichloroethene
Concen: 1.383 ug/L
RT: 5.99 min Scan# 1523
Delta R.T. 0.04 min
Lab File: VV013679.D
Acq: 19 Nov 2019 15:33

Instrument : MSVOA_V
ClientSampleId : GAQK4

Tgt Ion: 95 Resp: 50846

Ion	Ratio	Lower	Upper
95	100		
97	35.9	44.8	83.2#
132	0.7	72.9	135.3#
130	0.8	75.1	139.5#

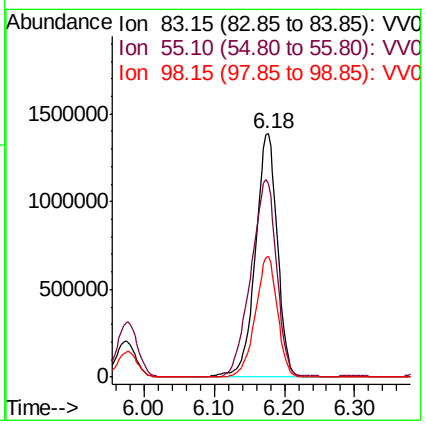


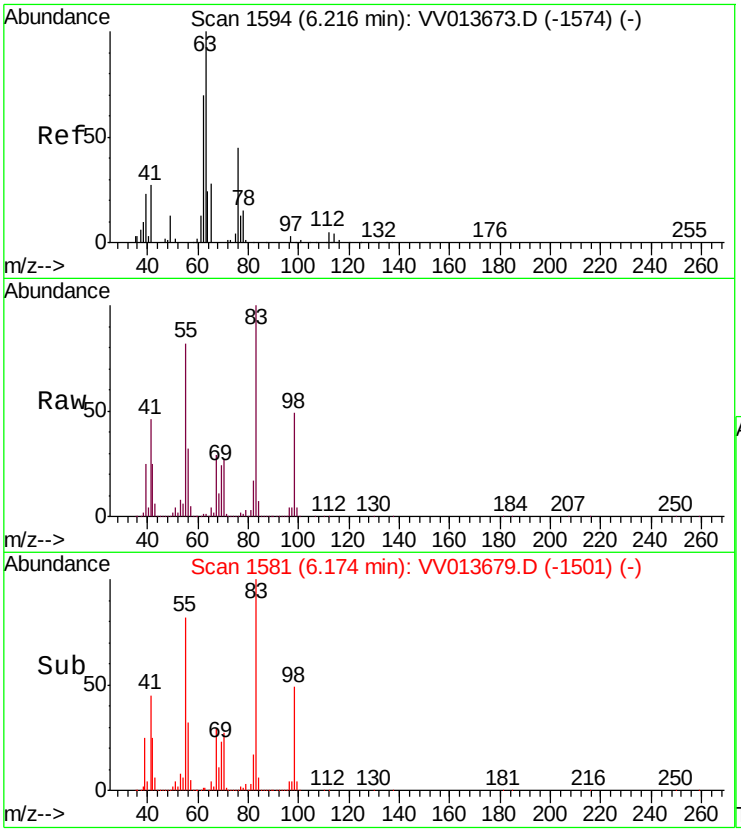


#35
Methylcyclohexane
Concen: 53.578 ug/L
RT: 6.18 min Scan# 1582
Delta R.T. 0.01 min
Lab File: VV013679.D
Acq: 19 Nov 2019 15:33

Tgt Ion: 83 Resp: 3004390

Ion	Ratio	Lower	Upper
83	100		
55	95.2	64.1	96.1
98	49.8	38.2	57.2



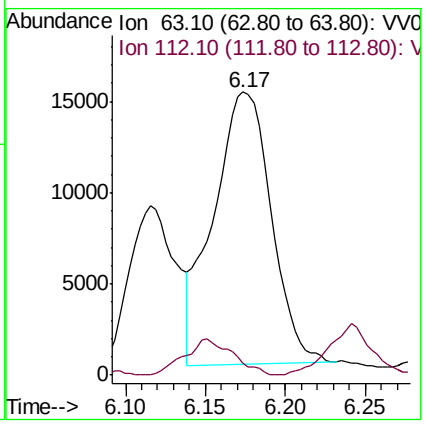


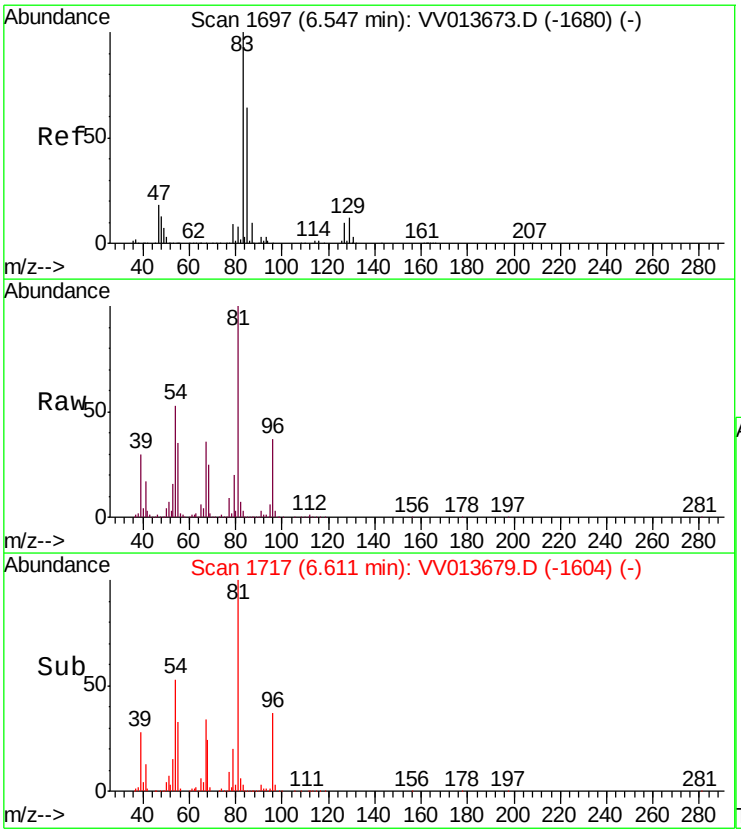
#37
1,2-Dichloropropane
Concen: 1.128 ug/L
RT: 6.17 min Scan# 1581
Delta R.T. -0.04 min
Lab File: VV013679.D
Acq: 19 Nov 2019 15:33

Instrument : MSVOA_V
ClientSampleId : GAQK4

Tgt Ion: 63 Resp: 37093

Ion	Ratio	Lower	Upper
63	100		
112	11.2	4.1	6.1#

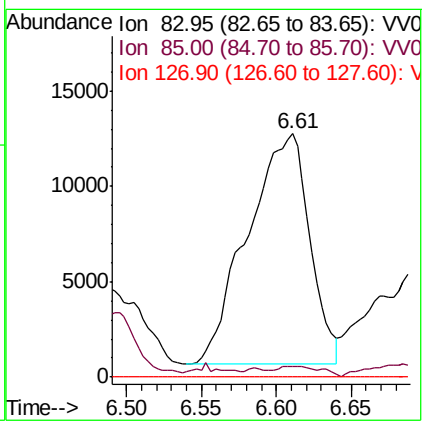


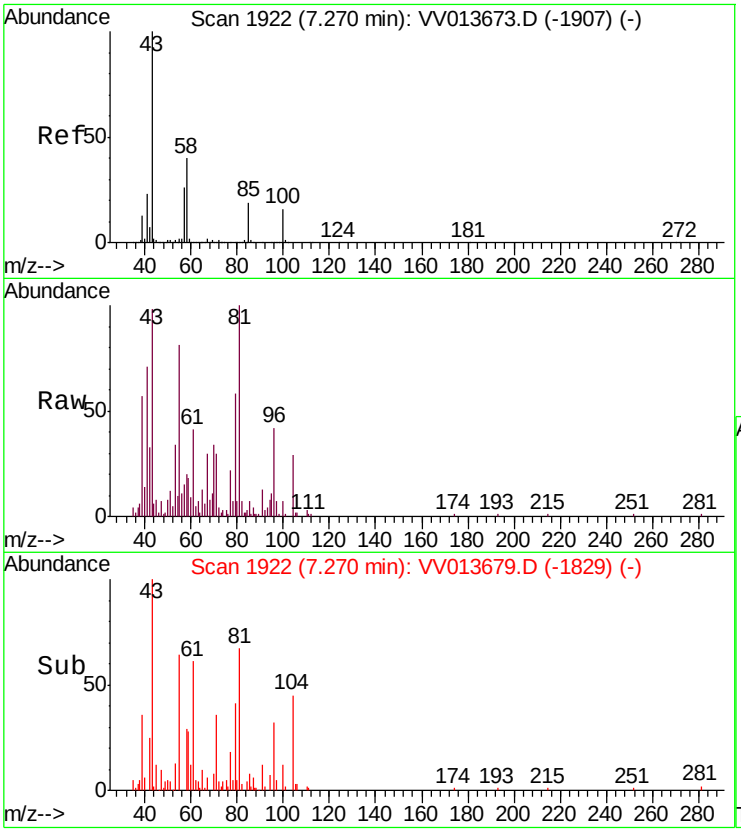


#38
Bromodichloromethane
Concen: 0.757 ug/L
RT: 6.61 min Scan# 1717
Delta R.T. 0.06 min
Lab File: VV013679.D
Acq: 19 Nov 2019 15:33

Tgt Ion: 83 Resp: 34722

Ion	Ratio	Lower	Upper
83	100		
85	4.3	44.9	83.5#
127	0.0	7.0	10.6#



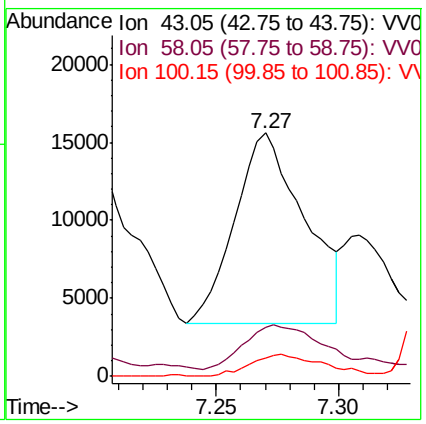


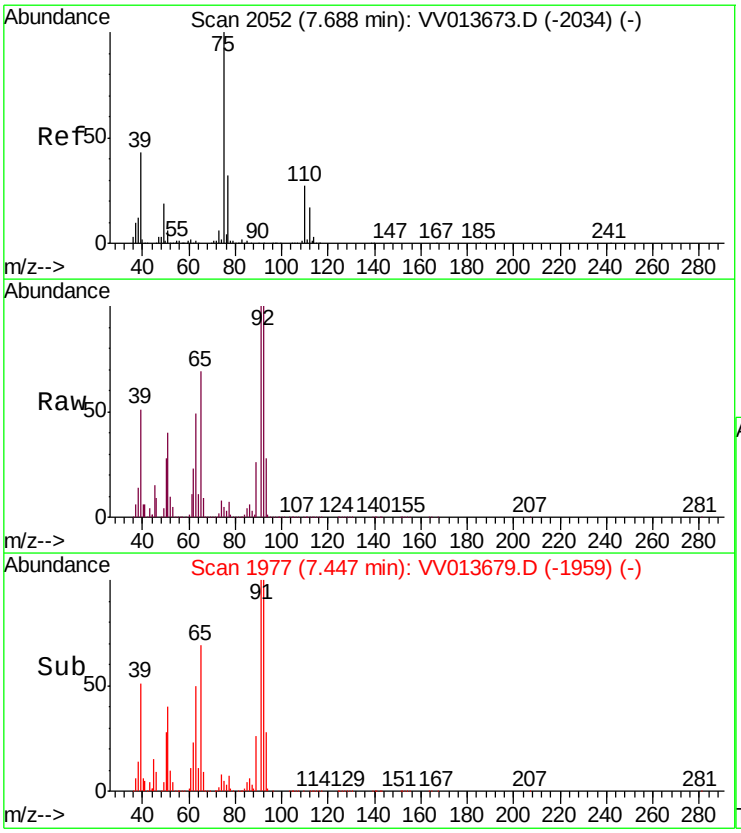
#40
4-Methyl-2-pentanone
Concen: 1.259 ug/L
RT: 7.27 min Scan# 1922
Delta R.T. -0.00 min
Lab File: VV013679.D
Acq: 19 Nov 2019 15:33

Instrument :
MSVOA_V
ClientSampleId :
GAQK4

Tgt Ion: 43 Resp: 24093

Ion	Ratio	Lower	Upper
43	100		
58	25.6	31.5	47.3#
100	0.0	12.2	18.4#

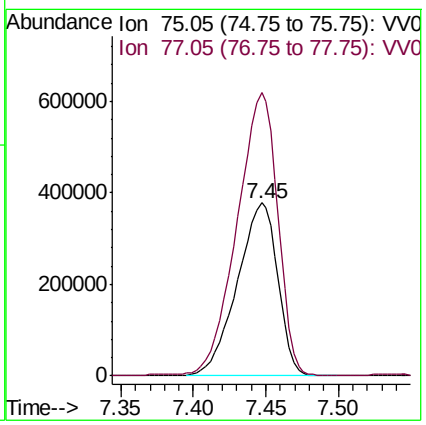


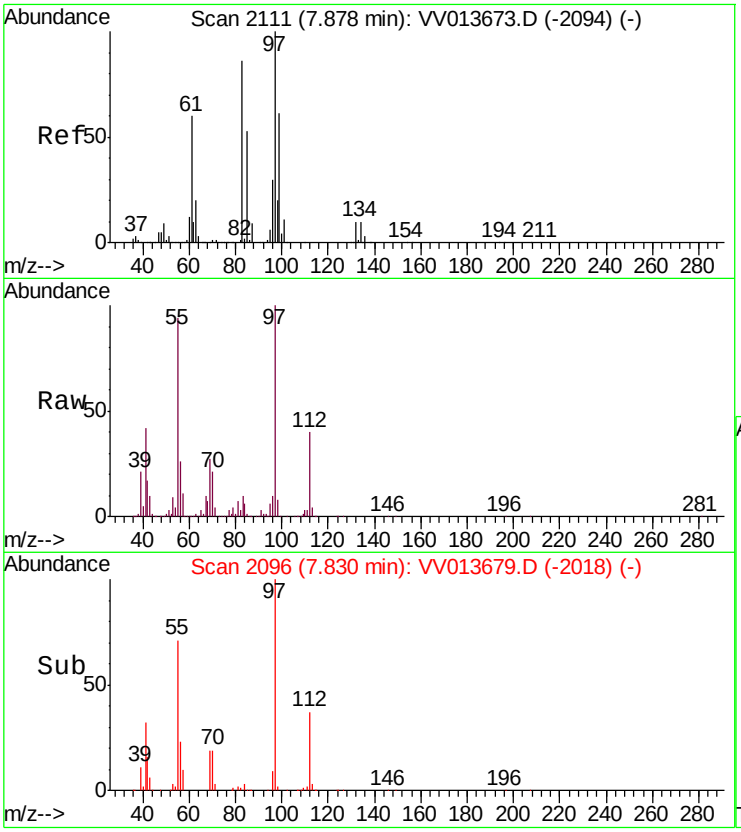


#44
trans-1,3-Dichloropropene
Concen: 19.661 ug/L
RT: 7.45 min Scan# 1977
Delta R.T. -0.24 min
Lab File: VV013679.D
Acq: 19 Nov 2019 15:33

Tgt Ion: 75 Resp: 732509

Ion	Ratio	Lower	Upper
75	100		
77	163.8	21.6	40.2#



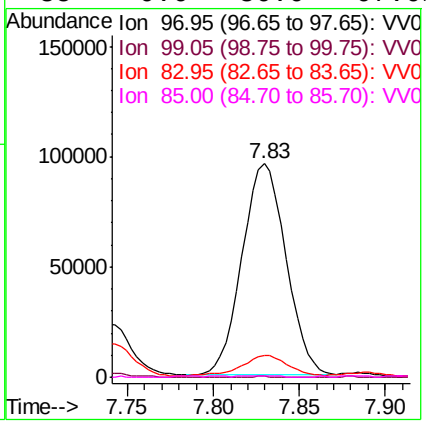


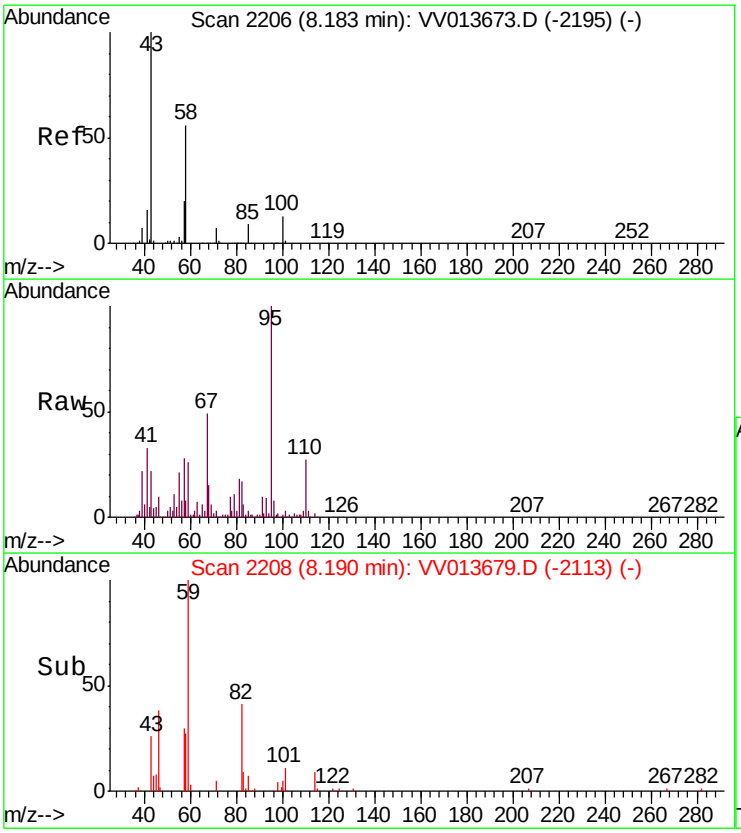
#45
1,1,2-Trichloroethane
Concen: 7.133 ug/L
RT: 7.83 min Scan# 2096
Delta R.T. -0.05 min
Lab File: VV013679.D
Acq: 19 Nov 2019 15:33

Instrument :
MSVOA_V
ClientSampleId :
GAQK4

Tgt Ion: 97 Resp: 169167

Ion	Ratio	Lower	Upper
97	100		
99	0.4	43.8	81.3#
83	10.1	58.0	107.8#
85	0.6	36.0	67.0#

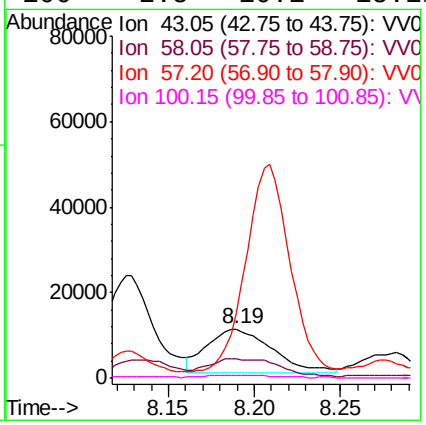


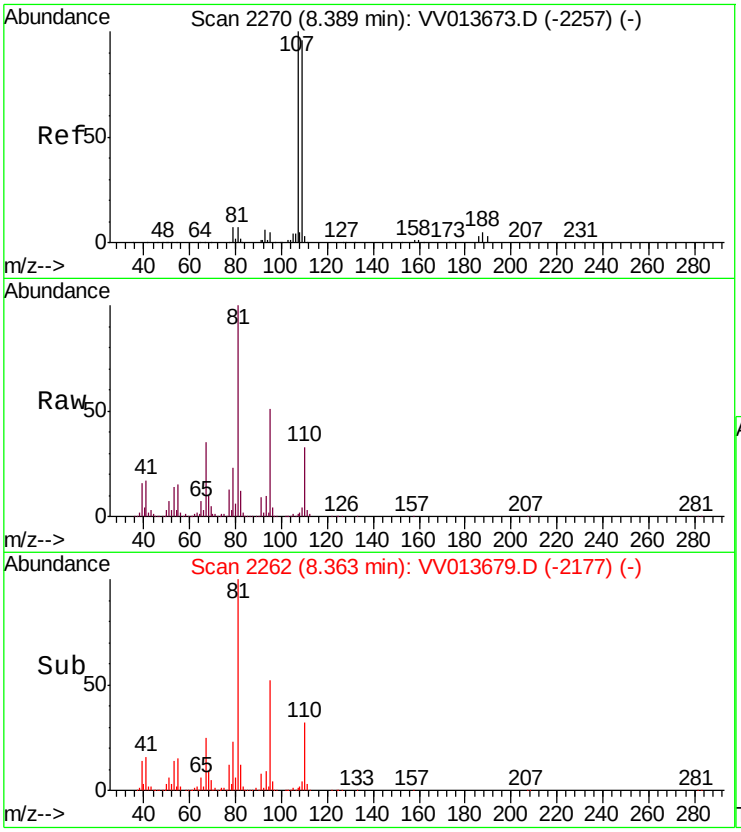


#48
2-Hexanone
Concen: 2.058 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. 0.01 min
Lab File: VV013679.D
Acq: 19 Nov 2019 15:33

Tgt Ion: 43 Resp: 27925

Ion	Ratio	Lower	Upper
43	100		
58	46.0	43.0	64.6
57	0.0	15.4	23.2#
100	2.5	10.1	15.1#



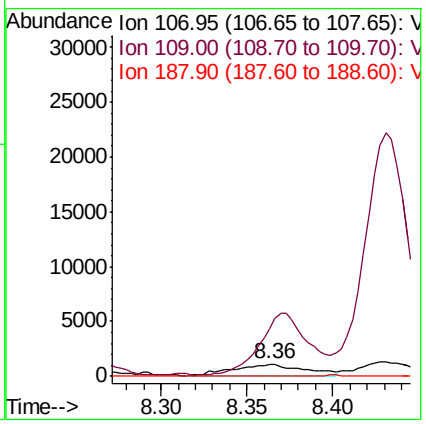


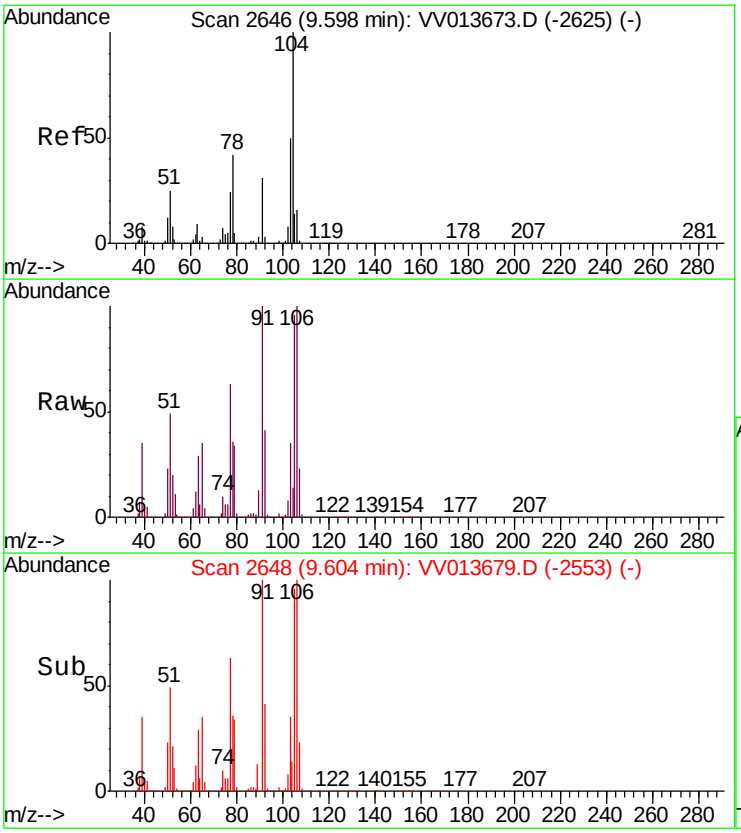
#50
1,2-Dibromoethane
Concen: 0.144 ug/L
RT: 8.36 min Scan# 2262
Delta R.T. -0.03 min
Lab File: VV013679.D
Acq: 19 Nov 2019 15:33

Instrument :
MSVOA_V
ClientSampleId :
GAQK4

Tgt Ion:107 Resp: 3291

Ion	Ratio	Lower	Upper
107	100		
109	397.3	66.5	123.5#
188	0.0	3.6	5.4#

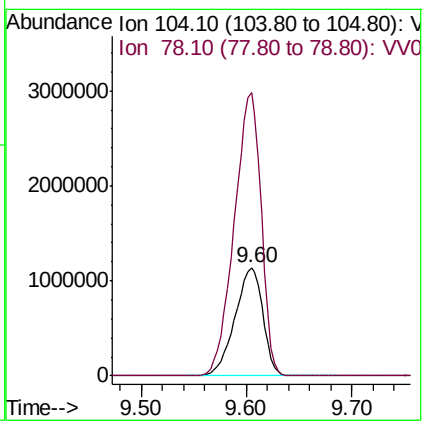


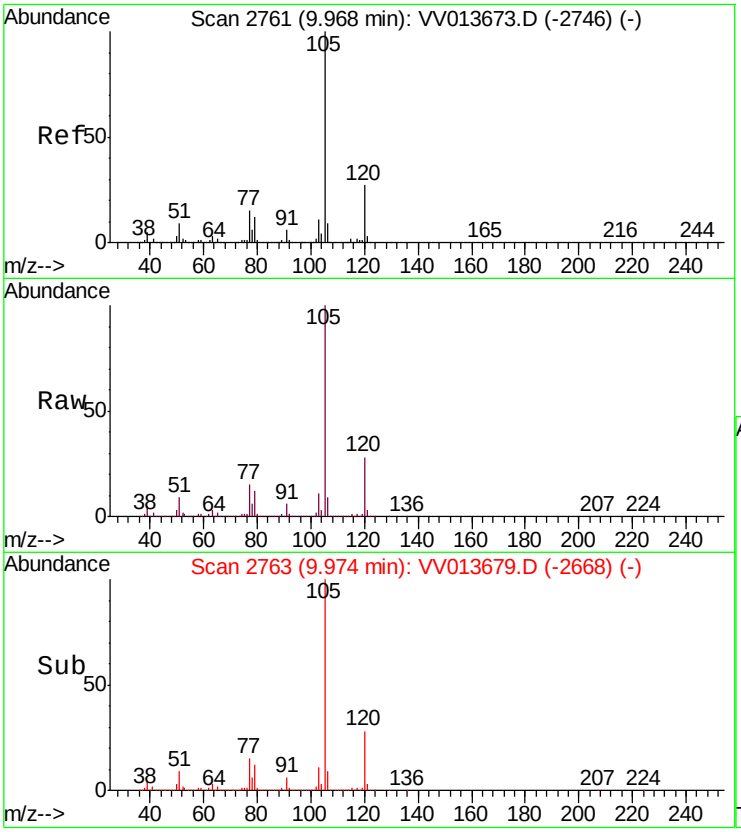


#55
Styrene
Concen: 21.648 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. 0.01 min
Lab File: VV013679.D
Acq: 19 Nov 2019 15:33

Tgt Ion:104 Resp: 2077405

Ion	Ratio	Lower	Upper
104	100		
78	261.8	30.8	57.2#



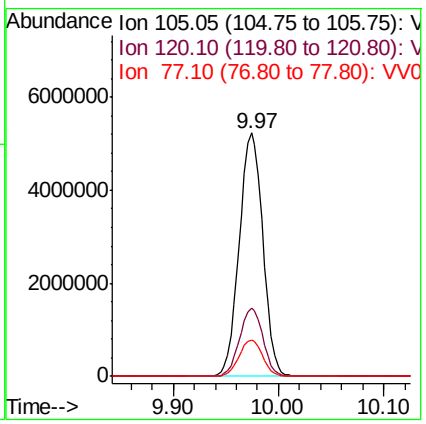


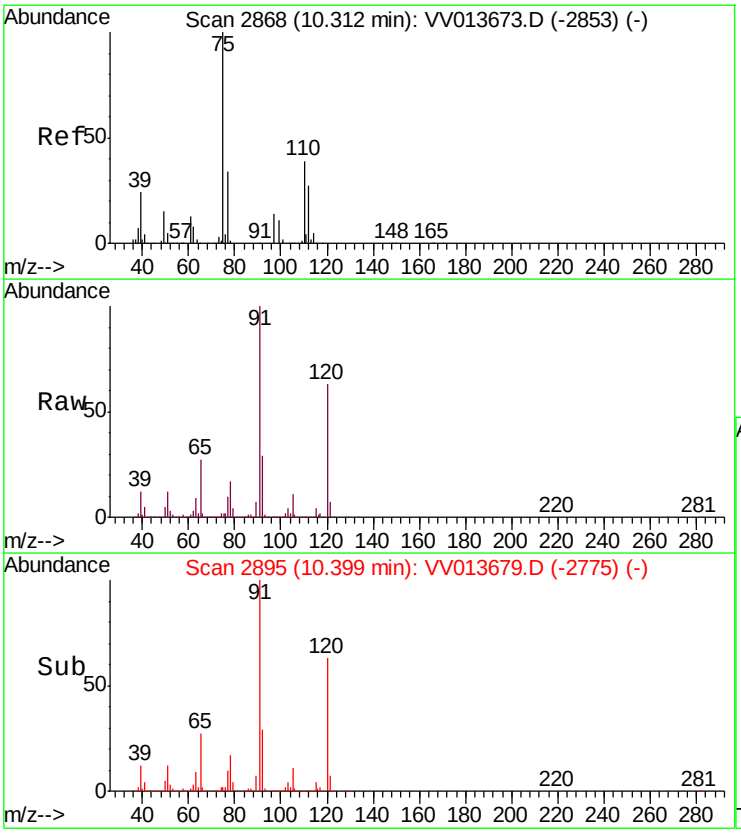
#56
Isopropylbenzene
Concen: 53.644 ug/L
RT: 9.97 min Scan# 2763
Delta R.T. 0.01 min
Lab File: VV013679.D
Acq: 19 Nov 2019 15:33

Instrument : MSVOA_V
ClientSampleId : GAQK4

Tgt Ion:105 Resp: 8093065

Ion	Ratio	Lower	Upper
105	100		
120	27.7	21.2	31.8
77	14.9	11.9	17.9

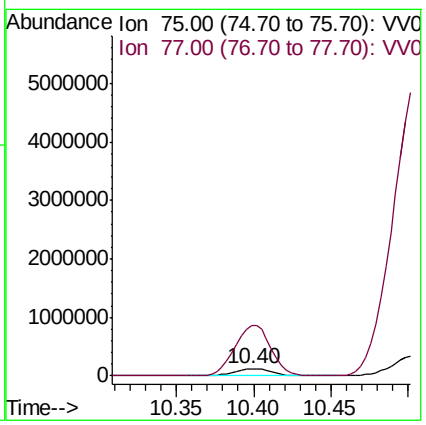


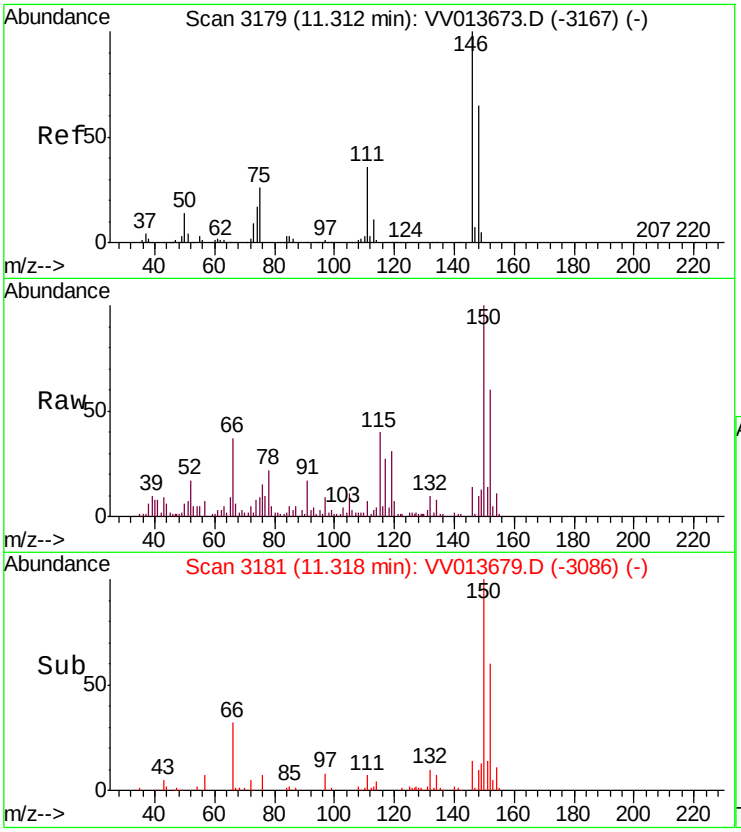


#59
1,2,3-Trichloropropane
Concen: 10.078 ug/L
RT: 10.40 min Scan# 2895
Delta R.T. 0.09 min
Lab File: VV013679.D
Acq: 19 Nov 2019 15:33

Tgt Ion: 75 Resp: 204871

Ion	Ratio	Lower	Upper
75	100		
77	678.7	25.6	38.4#



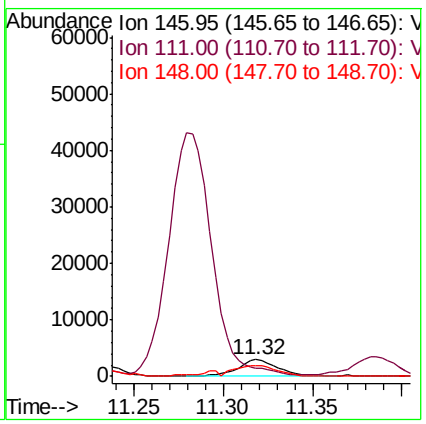


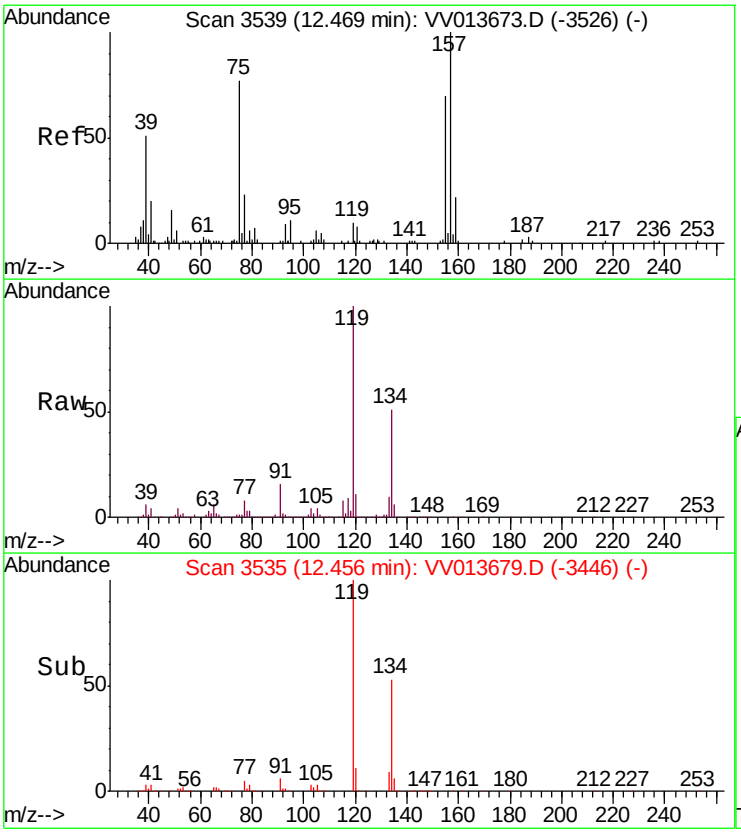
#63
1,4-Dichlorobenzene
Concen: 0.054 ug/L
RT: 11.32 min Scan# 3181
Delta R.T. 0.01 min
Lab File: VV013679.D
Acq: 19 Nov 2019 15:33

Instrument :
MSVOA_V
ClientSampleId :
GAQK4

Tgt Ion:146 Resp: 4852

Ion	Ratio	Lower	Upper
146	100		
111	51.6	25.6	47.6#
148	67.6	45.6	84.8

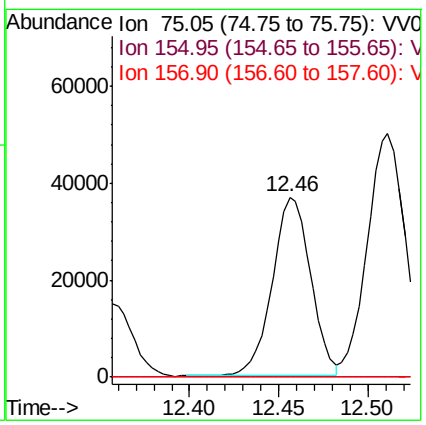


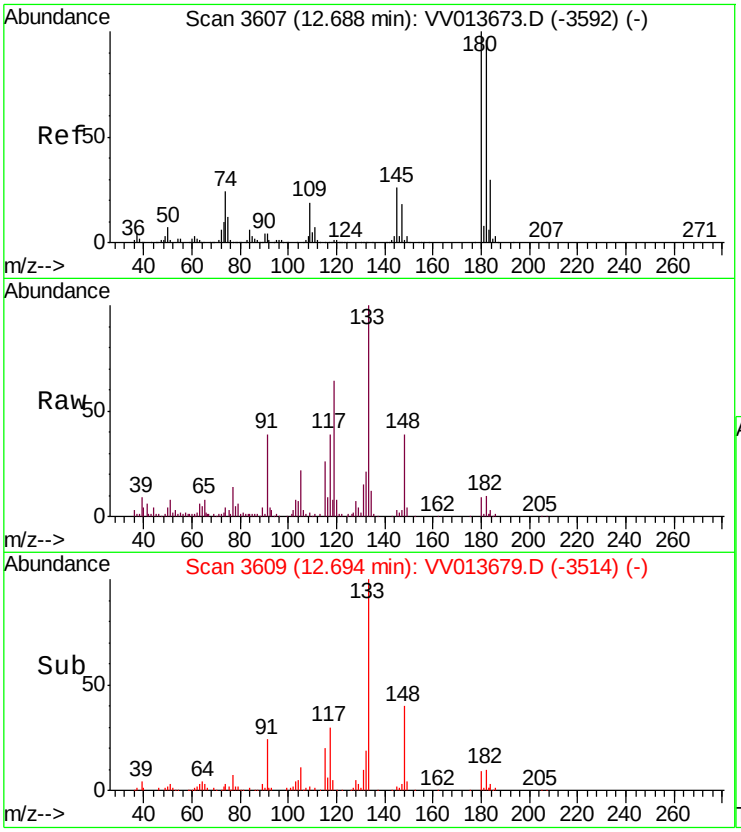


#66
1,2-Dibromo-3-chloropropane
Concen: 11.252 ug/L
RT: 12.46 min Scan# 3535
Delta R.T. -0.01 min
Lab File: VV013679.D
Acq: 19 Nov 2019 15:33

Tgt Ion: 75 Resp: 55501

Ion	Ratio	Lower	Upper
75	100		
155	0.0	64.8	97.2#
157	0.0	89.1	133.7#



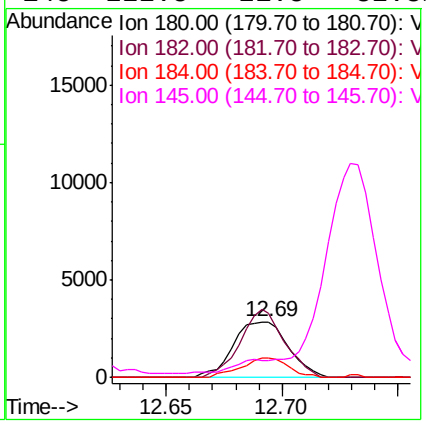


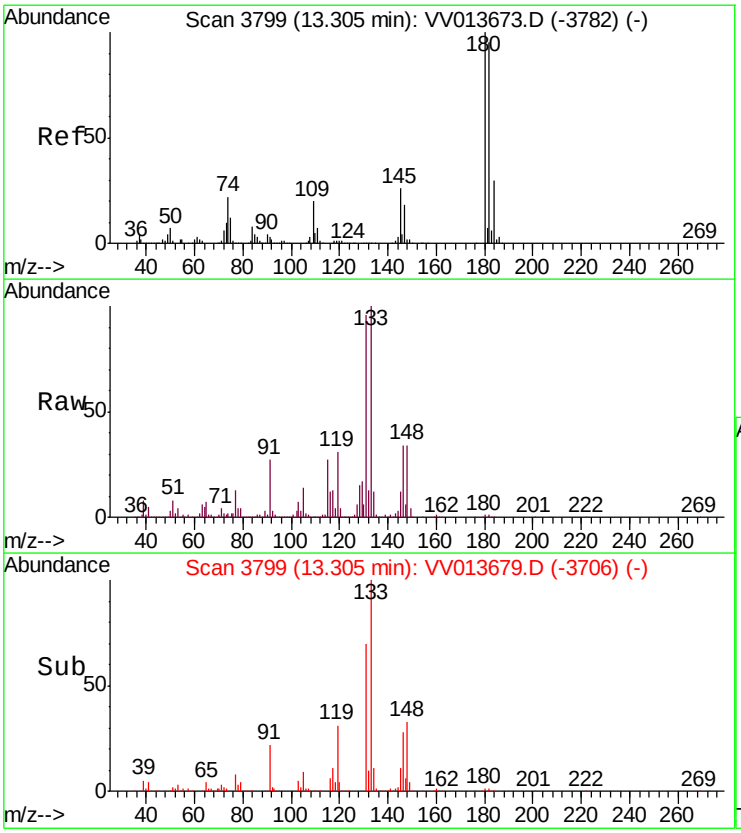
#67
1,3,5-Trichlorobenzene
Concen: 0.063 ug/L
RT: 12.69 min Scan# 3609
Delta R.T. 0.01 min
Lab File: VV013679.D
Acq: 19 Nov 2019 15:33

Instrument :
MSVOA_V
ClientSampleId :
GAQK4

Tgt Ion:180 Resp: 4666

Ion	Ratio	Lower	Upper
180	100		
182	98.4	77.0	115.6
184	30.1	24.4	36.6
145	222.5	21.5	32.3#

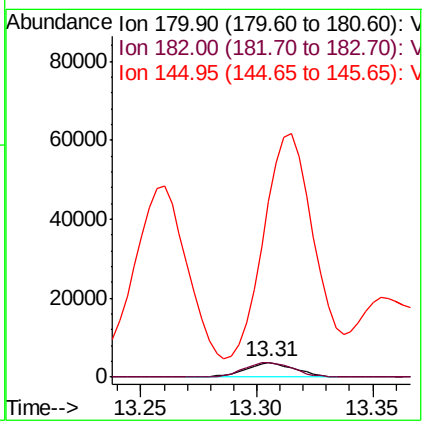


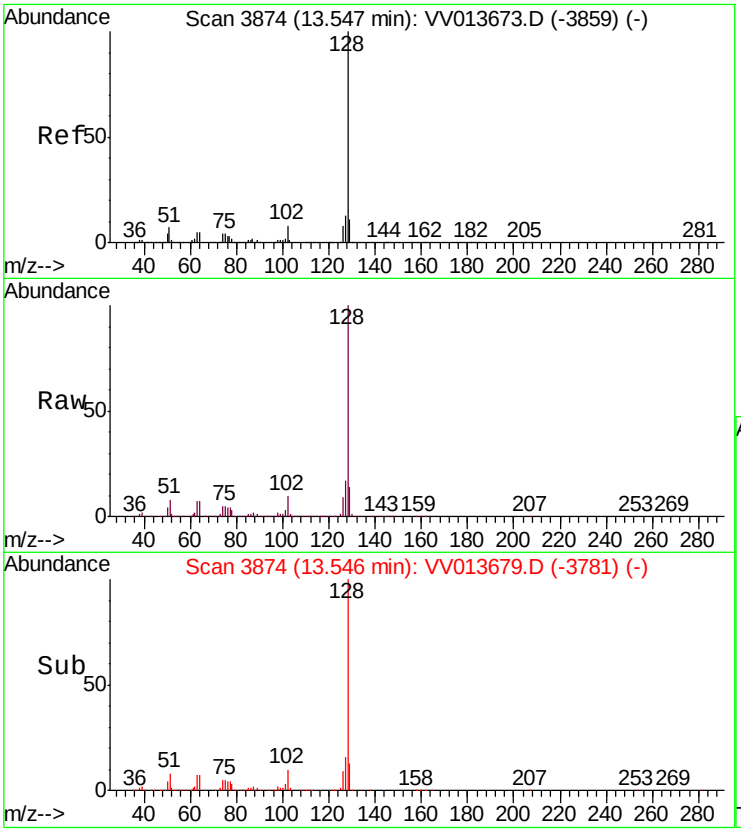


#68
1,2,4-trichlorobenzene
Concen: 0.090 ug/L
RT: 13.31 min Scan# 3799
Delta R.T. -0.00 min
Lab File: VV013679.D
Acq: 19 Nov 2019 15:33

Tgt Ion:180 Resp: 5458

Ion	Ratio	Lower	Upper
180	100		
182	101.2	77.2	115.8
145	1530.8	22.6	33.8#





#69
Naphthalene
Concen: 177.519 ug/L
RT: 13.55 min Scan# 3874
Delta R.T. -0.00 min
Lab File: VV013679.D
Acq: 19 Nov 2019 15:33

Instrument :
MSVOA_V
ClientSampleId :
GAQK4

Tgt Ion:128 Resp:14661751

Ion	Ratio	Lower	Upper
128	100		
129	12.8	8.6	13.0
127	14.8	10.4	15.6