Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV072319\

Quantitation Report (Not Reviewed)

Data File : VV011976.D
Acq On : 23 Jul 2019 20:25
Operator : SY/MD
Sample : K3823-21
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A52K2

Quant Time: Jul 24 05:57:42 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 24 05:52:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	134919	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	127757	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	63762	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.32	65	38002	5.42	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 108.40%			
7) Chloroethane-d5	1.59	69	29411	5.33	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 106.60%			
11) 1,1-Dichloroethene-d2	2.14	63	87552	6.27	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 125.40%#			
20) 2-Butanone-d5	3.94	46	108338	52.86	ug/L	-0.02
Spiked Amount 50.000	Range 40 - 130		Recovery = 105.72%			
24) Chloroform-d	4.40	84	89106	4.85	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 97.00%			
26) 1,2-Dichloroethane-d4	5.08	65	51401	5.47	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 109.40%			
32) Benzene-d6	5.10	84	194880	5.47	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 109.40%			
36) 1,2-Dichloropropane-d6	6.12	67	54459	5.34	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 106.80%			
41) Toluene-d8	7.36	98	172856	5.23	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 104.60%			
43) trans-1,3-Dichloropropene-	7.67	79	20857	5.04	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 100.80%			
46) 2-Hexanone-d5	8.13	63	88136	53.04	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 106.08%			
57) 1,1,2,2-Tetrachloroethane-	10.26	84	37838	5.22	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 104.40%			
64) 1,2-Dichlorobenzene-d4	11.67	152	68051	5.54	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 110.80%			
Target Compounds						Qvalue
3) Chloromethane	1.25	50	672	0.083	ug/L	92
5) Vinyl chloride	1.32	62	33634	4.059	ug/L	100
8) Chloroethane	1.60	64	2214	0.452	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	1693	0.247	ug/L #	77
12) 1,1-Dichloroethene	2.14	96	50651	8.249	ug/L	83
13) Acetone	2.19	43	3585	3.245	ug/L	97
18) trans-1,2-Dichloroethene	2.79	96	944	0.099	ug/L	82
19) 1,1-Dichloroethane	3.23	63	548761	32.491	ug/L	97
22) cis-1,2-Dichloroethene	3.96	96	139649	13.589	ug/L	99
25) Chloroform	4.43	83	10160	0.498	ug/L	99
29) 1,1,1-Trichloroethane	4.66	97	2080953	127.262	ug/L	99
31) Carbon tetrachloride	4.66	117	257310	17.480	ug/L	98
34) Trichloroethene	5.96	95	28055	2.688	ug/L	97
35) Methylcyclohexane	6.12	83	14456	0.890	ug/L #	17
37) 1,2-Dichloropropane	6.12	63	6840	0.757	ug/L #	84
39) cis-1,3-Dichloropropene	7.03	75	1560	0.116	ug/L #	51
42) Toluene	7.43	91	8463	0.210	ug/L	91

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV072319\

Quantitation Report (Not Reviewed)

Data File : VV011976.D
Acq On : 23 Jul 2019 20:25
Operator : SY/MD
Sample : K3823-21
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A52K2

Quant Time: Jul 24 05:57:42 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 24 05:52:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) trans-1,3-Dichloropropene	7.67	75	958	0.090	ug/L	#	68
47) Tetrachloroethene	8.02	164	16388	1.820	ug/L		89
48) 2-Hexanone	8.13	43	10466	2.956	ug/L	#	70
49) Dibromochloromethane	8.02	129	15449	2.022	ug/L	#	10
65) 1,2-Dichlorobenzene	11.69	146	5164	0.269	ug/L	#	82
66) 1,2-Dibromo-3-chloropropan	12.45	75	1786	1.601	ug/L	#	1

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

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV072319\

Quantitation Report (Not Reviewed)

Data File : VV011976.D
Acq On : 23 Jul 2019 20:25
Operator : SY/MD
Sample : K3823-21
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 19 Sample Multiplier: 1

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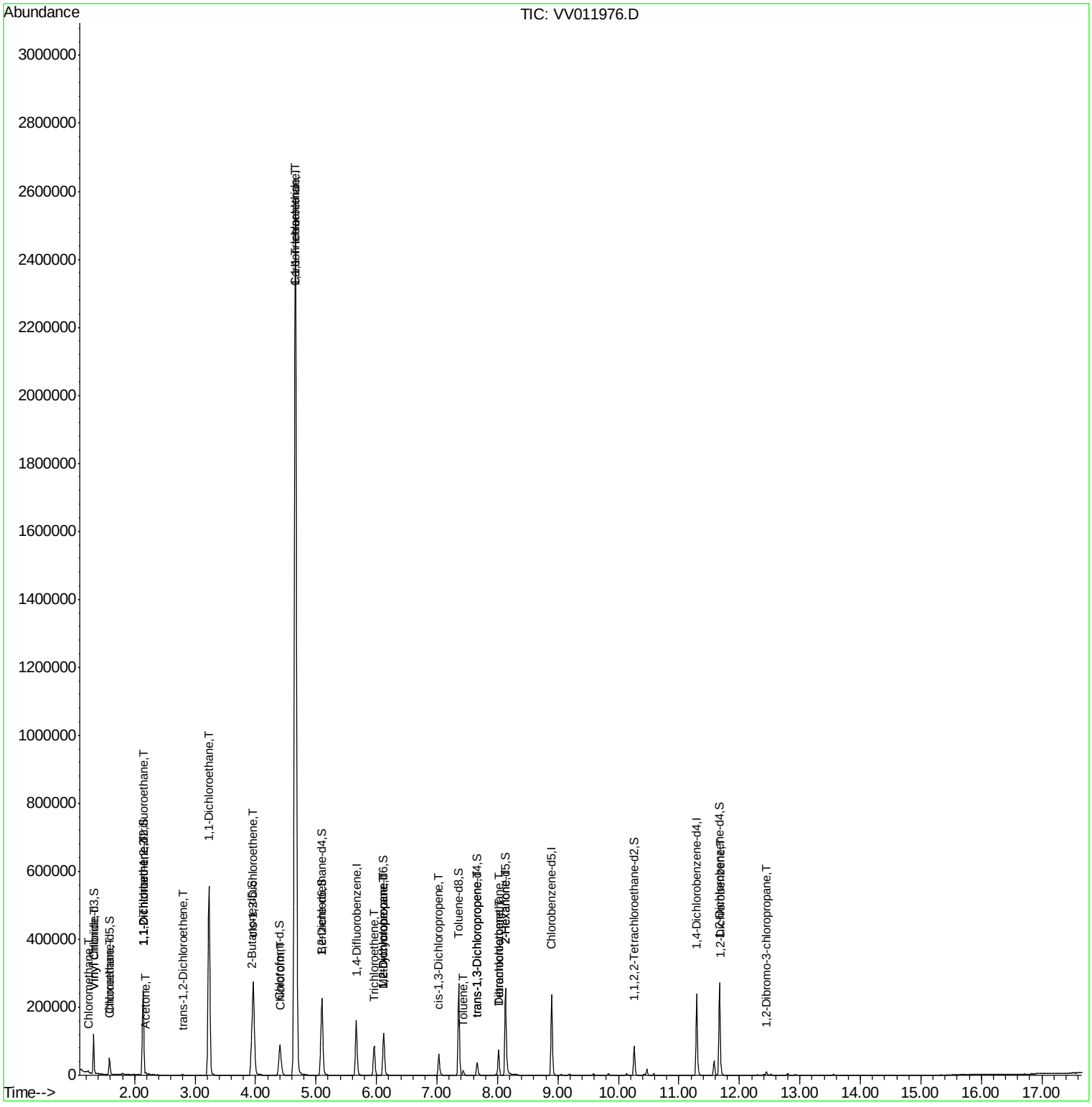
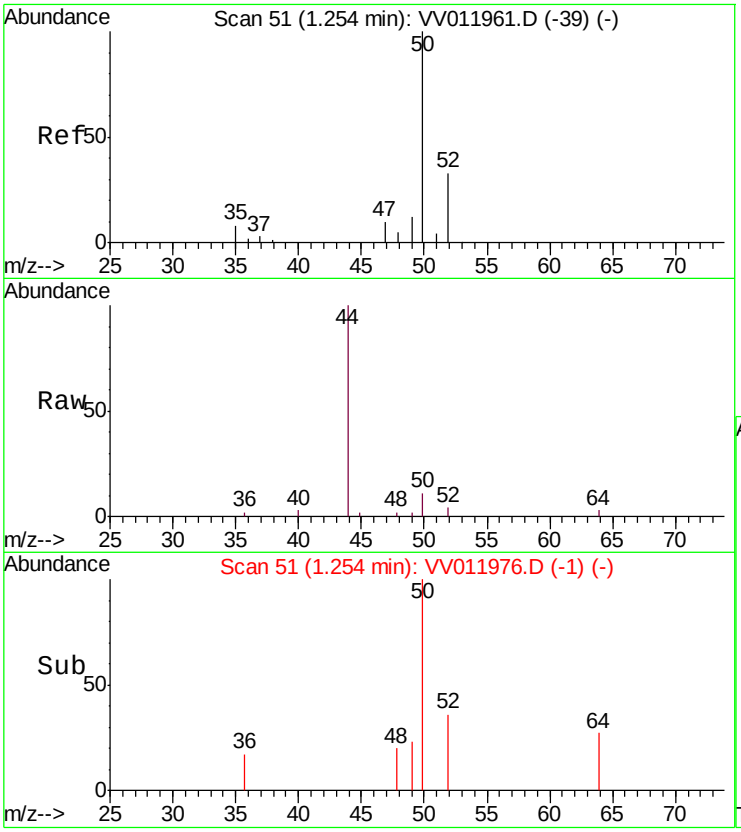
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 24 05:52:52 2019
Response via : Initial Calibration



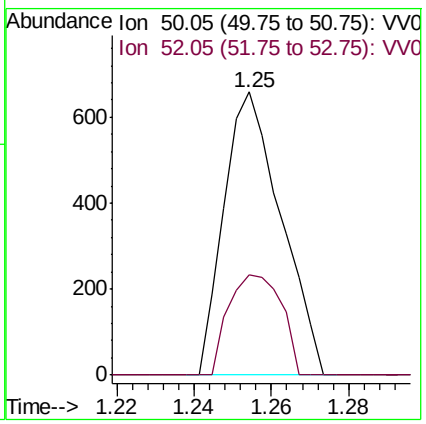


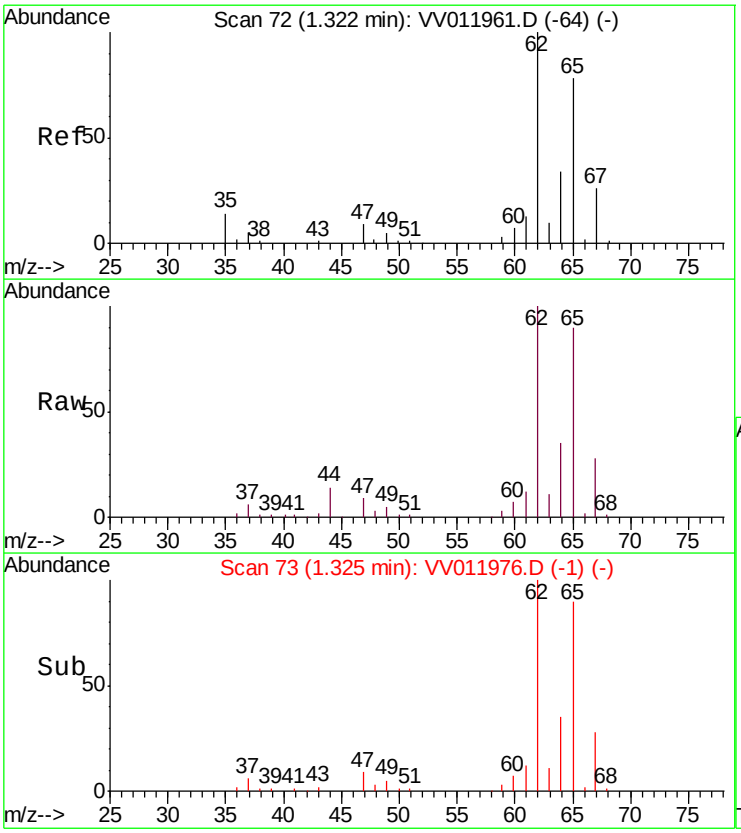
#3
Chloromethane
Concen: 0.083 ug/L
RT: 1.25 min Scan# 51
Delta R.T. -0.00 min
Lab File: VV011976.D
Acq: 23 Jul 2019 20:25

Instrument :
MSVOA_V
ClientSampleId :
A52K2

Tgt Ion: 50 Resp: 672

Ion	Ratio	Lower	Upper
50	100		
52	35.6	21.6	40.2

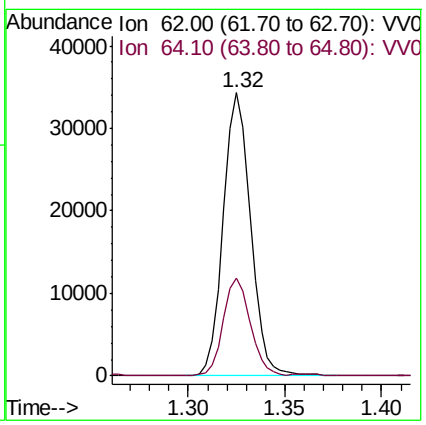


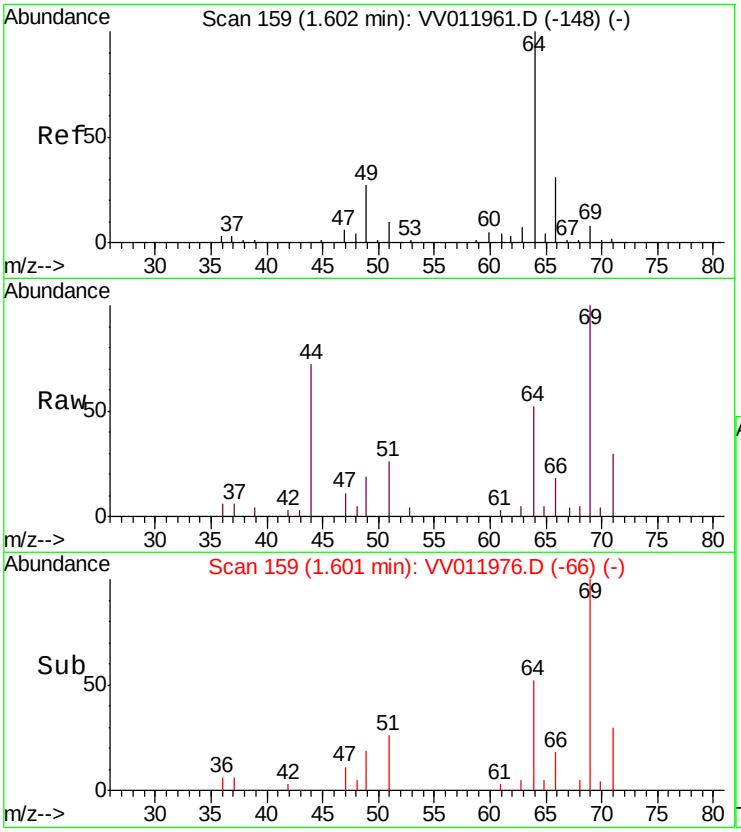


#5
Vinyl chloride
Concen: 4.059 ug/L
RT: 1.32 min Scan# 73
Delta R.T. 0.00 min
Lab File: VV011976.D
Acq: 23 Jul 2019 20:25

Tgt Ion: 62 Resp: 33634

Ion	Ratio	Lower	Upper
62	100		
64	34.7	24.3	45.1



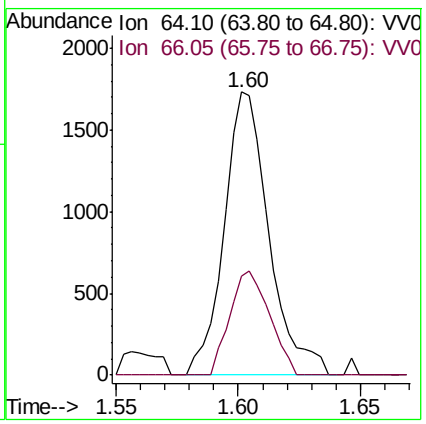


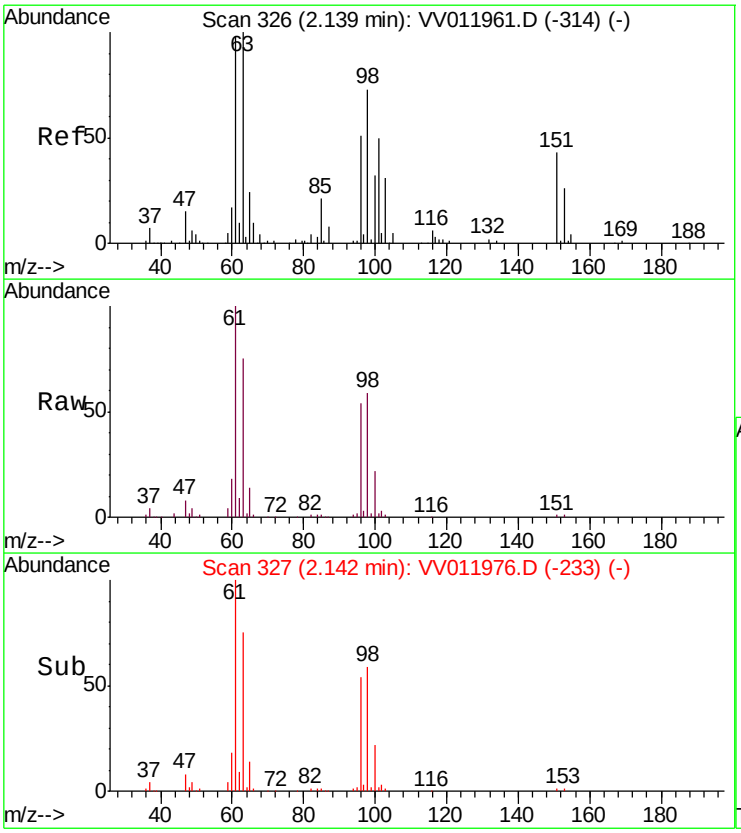
#8
Chloroethane
Concen: 0.452 ug/L
RT: 1.60 min Scan# 159
Delta R.T. -0.00 min
Lab File: VV011976.D
Acq: 23 Jul 2019 20:25

Instrument :
MSVOA_V
ClientSampleId :
A52K2

Tgt Ion: 64 Resp: 2214

Ion	Ratio	Lower	Upper
64	100		
66	32.1	21.8	40.6

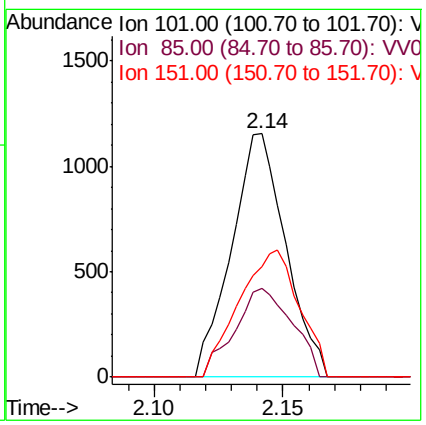


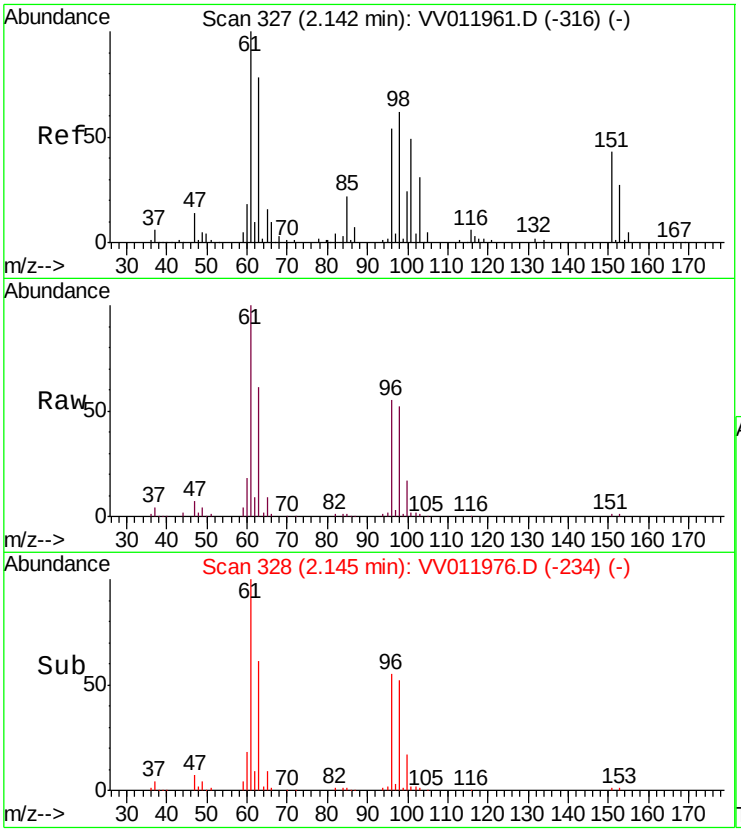


#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.247 ug/L
RT: 2.14 min Scan# 327
Delta R.T. 0.00 min
Lab File: VV011976.D
Acq: 23 Jul 2019 20:25

Tgt Ion:101 Resp: 1693

Ion	Ratio	Lower	Upper
101	100		
85	38.7	37.0	55.6
151	57.9	68.3	102.5#



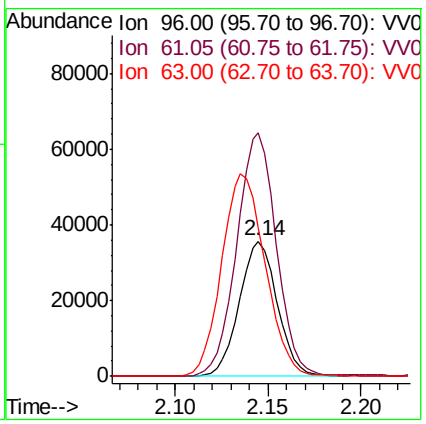


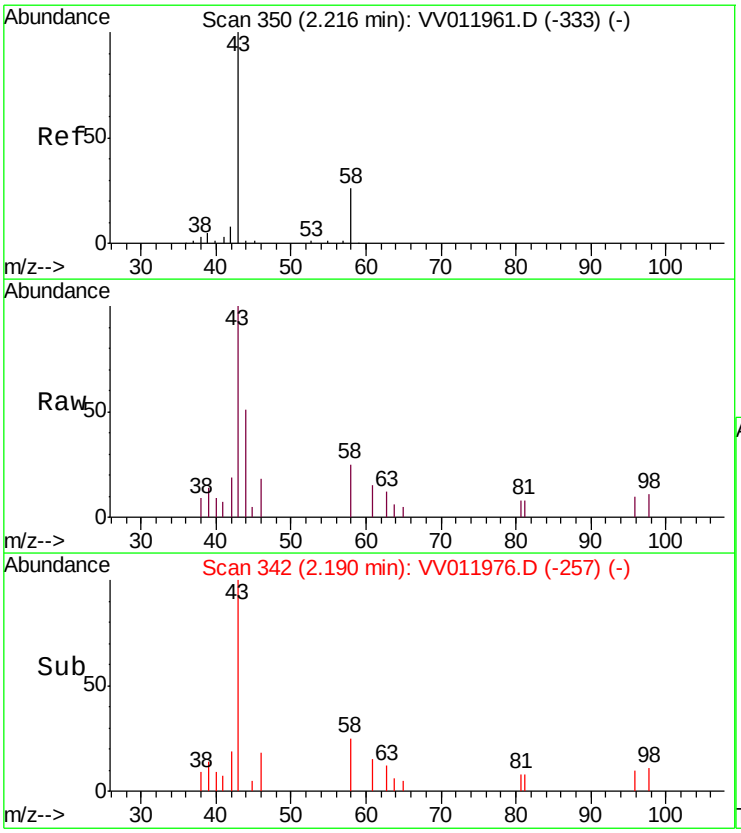
#12
1,1-Dichloroethene
Concen: 8.249 ug/L
RT: 2.14 min Scan# 328
Delta R.T. 0.00 min
Lab File: VV011976.D
Acq: 23 Jul 2019 20:25

Instrument :
MSVOA_V
ClientSampleId :
A52K2

Tgt Ion: 96 Resp: 50651

Ion	Ratio	Lower	Upper
96	100		
61	180.5	132.7	246.5
63	110.6	104.0	193.1

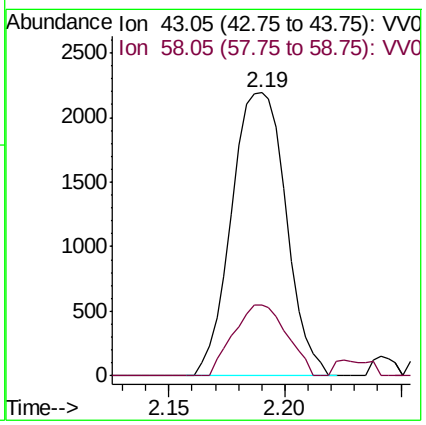


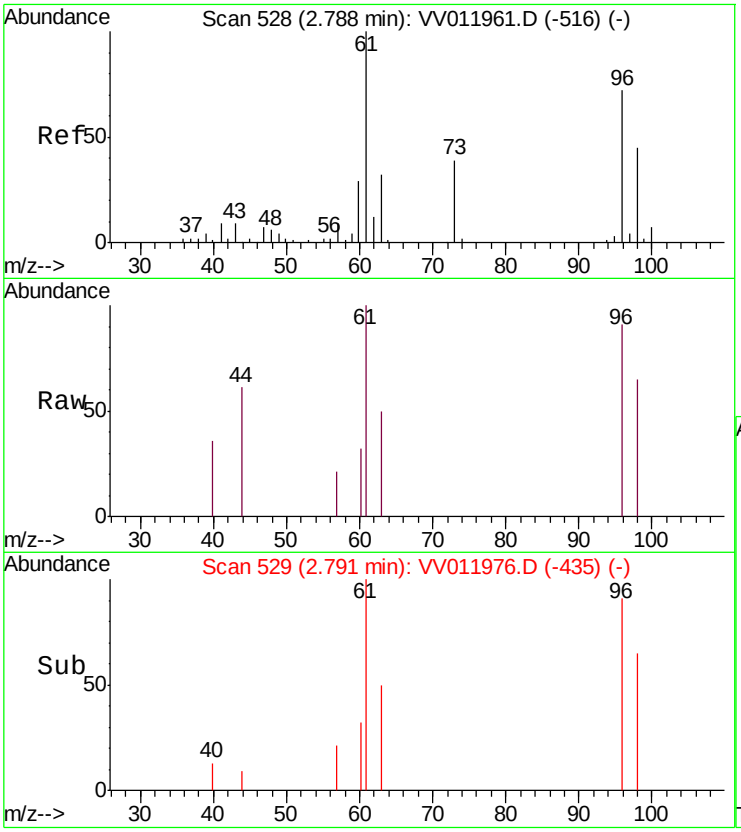


#13
Acetone
Concen: 3.245 ug/L
RT: 2.19 min Scan# 342
Delta R.T. -0.03 min
Lab File: VV011976.D
Acq: 23 Jul 2019 20:25

Tgt Ion: 43 Resp: 3585

Ion	Ratio	Lower	Upper
43	100		
58	24.5	0.0	51.8



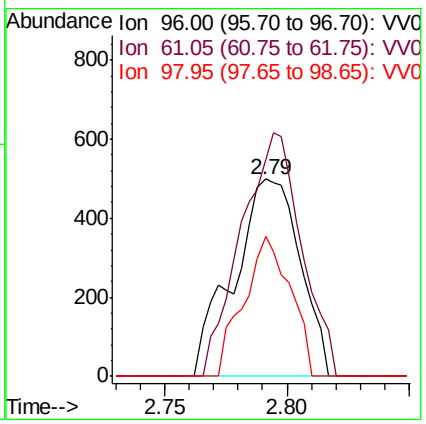


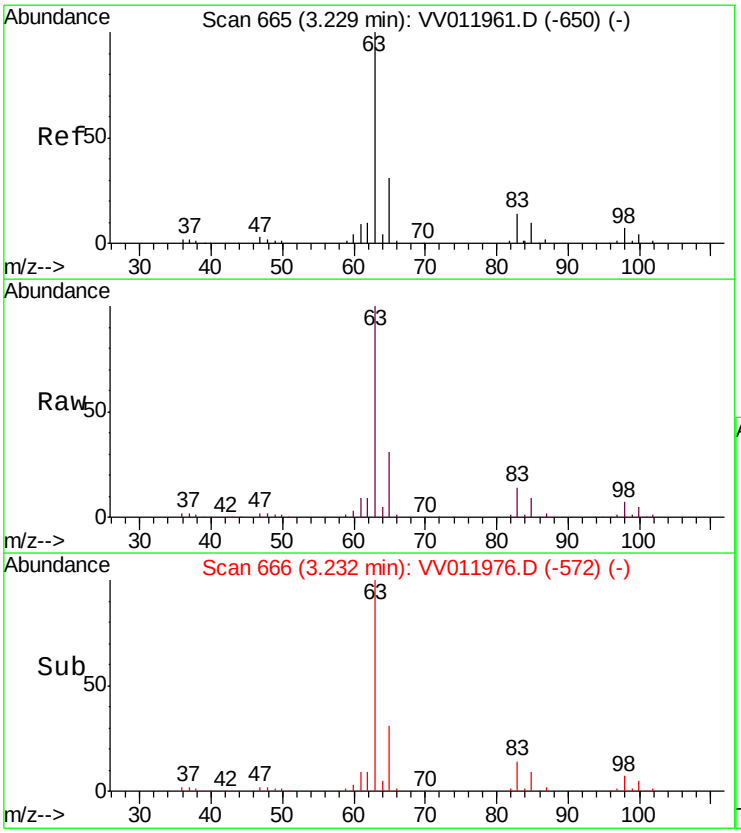
#18
trans-1,2-Dichloroethene
Concen: 0.099 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV011976.D
Acq: 23 Jul 2019 20:25

Instrument :
MSVOA_V
ClientSampleId :
A52K2

Tgt Ion: 96 Resp: 944

Ion	Ratio	Lower	Upper
96	100		
61	109.8	95.4	177.2
98	71.1	44.4	82.5

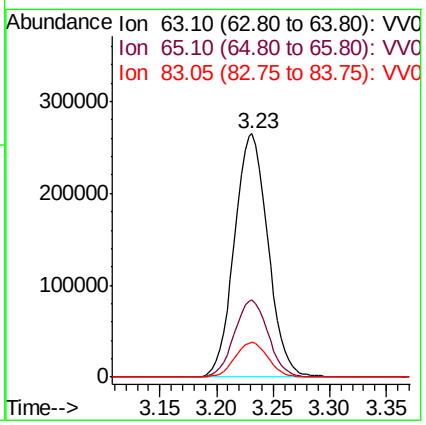


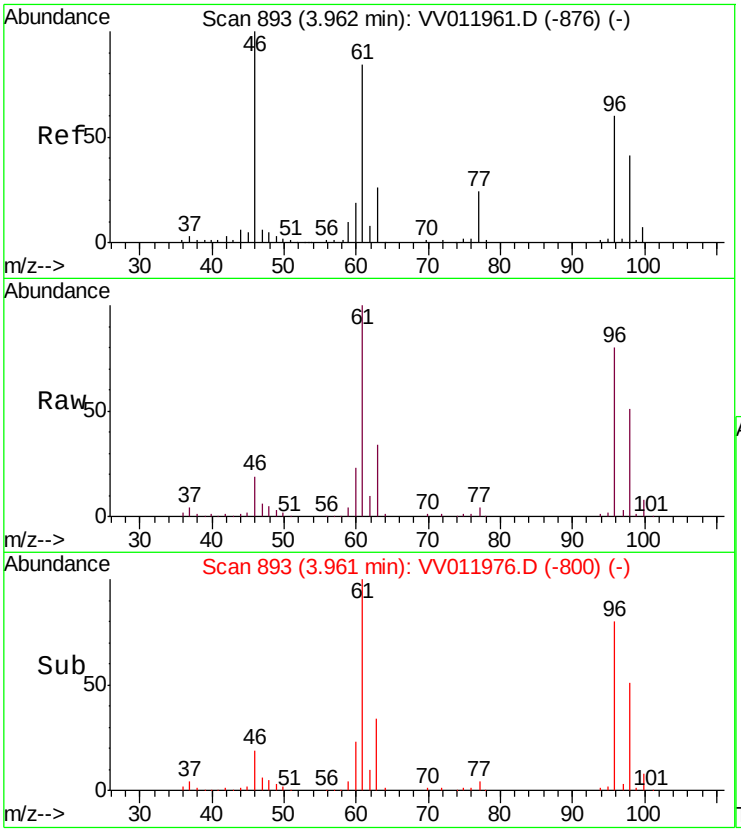


#19
1,1-Dichloroethane
Concen: 32.491 ug/L
RT: 3.23 min Scan# 666
Delta R.T. 0.00 min
Lab File: VV011976.D
Acq: 23 Jul 2019 20:25

Tgt Ion: 63 Resp: 548761

Ion	Ratio	Lower	Upper
63	100		
65	31.5	23.5	43.7
83	14.2	9.7	18.1



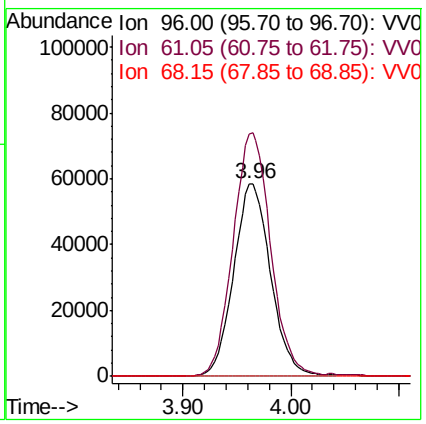


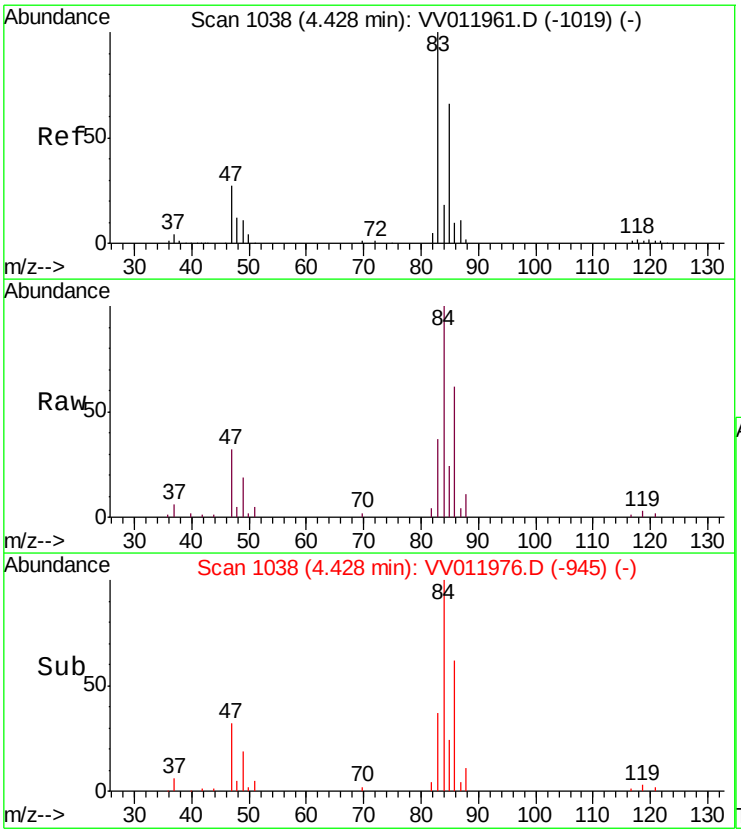
#22
cis-1,2-Dichloroethene
Concen: 13.589 ug/L
RT: 3.96 min Scan# 893
Delta R.T. -0.00 min
Lab File: VV011976.D
Acq: 23 Jul 2019 20:25

Instrument :
MSVOA_V
ClientSampleId :
A52K2

Tgt Ion: 96 Resp: 139649

Ion	Ratio	Lower	Upper
96	100		
61	125.6	89.0	165.2
68	0.0	0.0	0.0

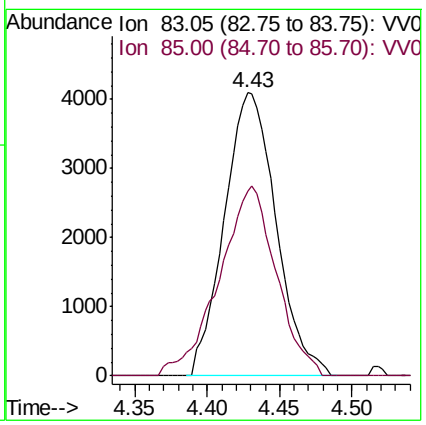


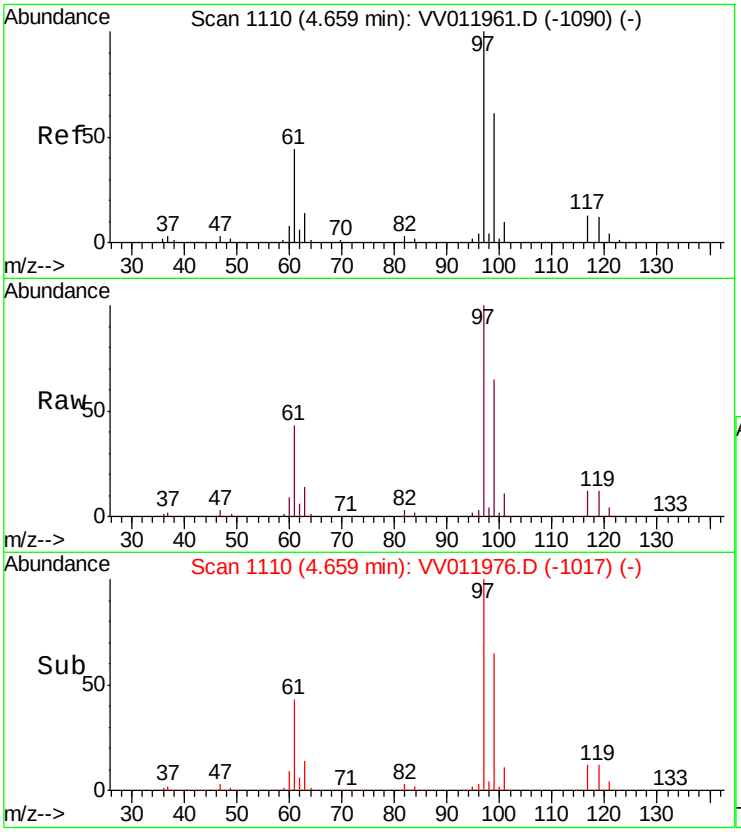


#25
Chloroform
Concen: 0.498 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. -0.00 min
Lab File: VV011976.D
Acq: 23 Jul 2019 20:25

Tgt Ion: 83 Resp: 10160

Ion	Ratio	Lower	Upper
83	100		
85	65.2	46.5	86.3



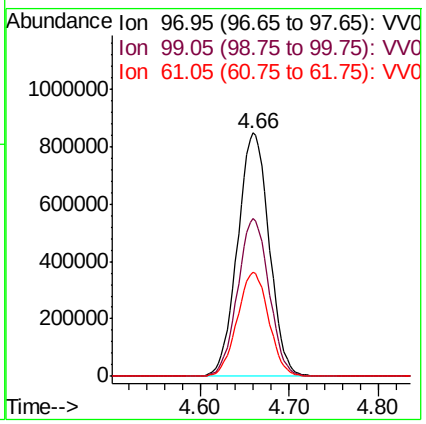


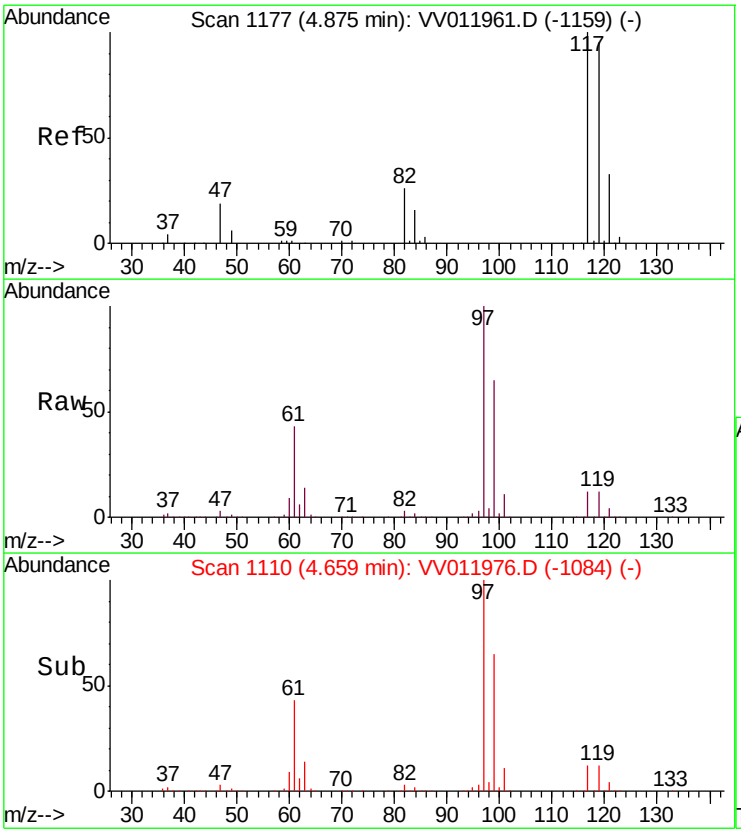
#29
1,1,1-Trichloroethane
Concen: 127.262 ug/L
RT: 4.66 min Scan# 1110
Delta R.T. -0.00 min
Lab File: VV011976.D
Acq: 23 Jul 2019 20:25

Instrument :
MSVOA_V
ClientSampleId :
A52K2

Tgt Ion: 97 Resp: 2080953

Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.7	77.5
61	42.6	35.1	52.7

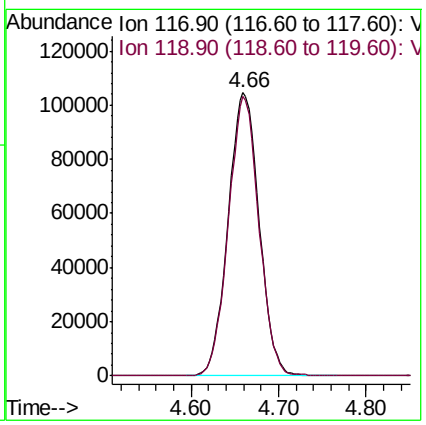


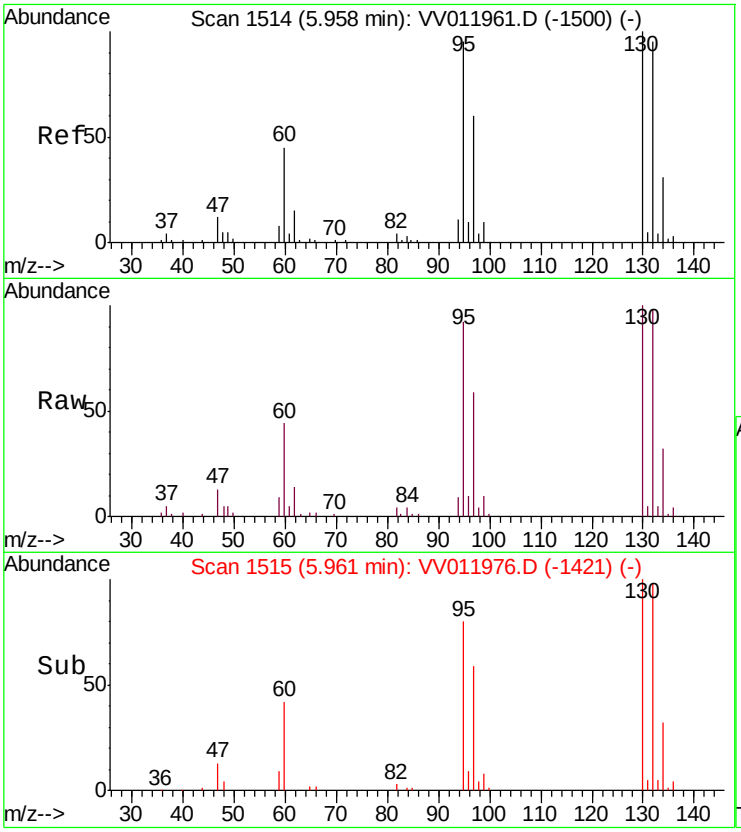


#31
Carbon tetrachloride
Concen: 17.480 ug/L
RT: 4.66 min Scan# 1110
Delta R.T. -0.22 min
Lab File: VV011976.D
Acq: 23 Jul 2019 20:25

Tgt Ion:117 Resp: 257310

Ion	Ratio	Lower	Upper
117	100		
119	97.0	76.4	114.6



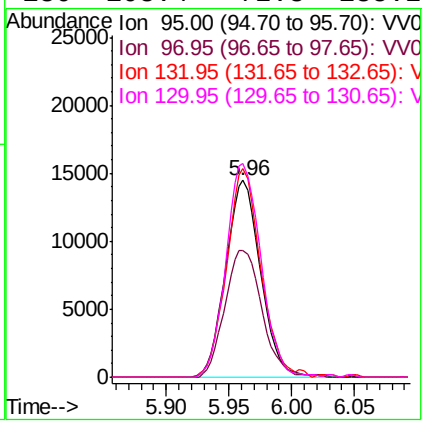


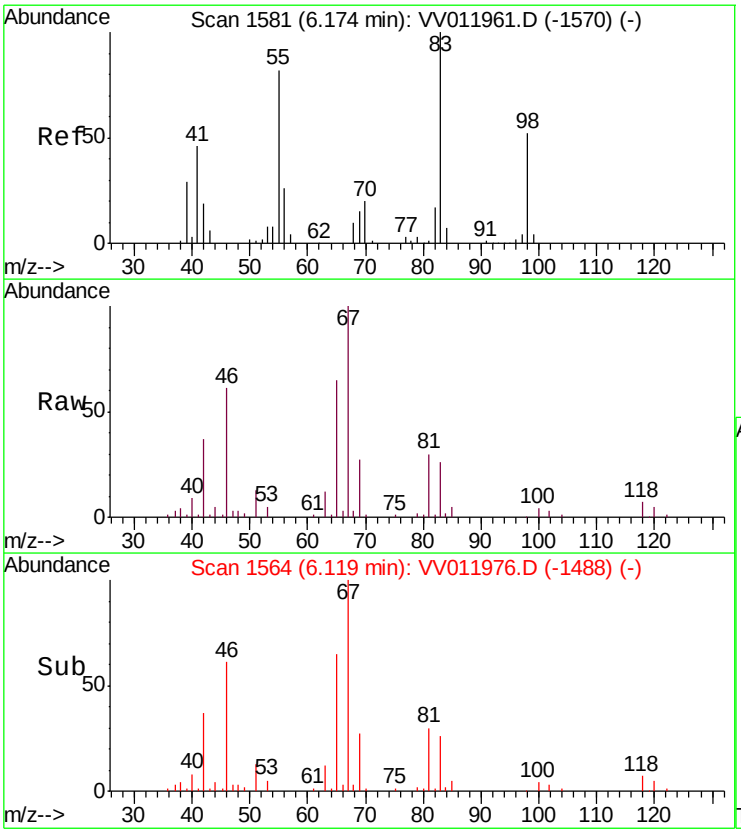
#34
Trichloroethene
Concen: 2.688 ug/L
RT: 5.96 min Scan# 1515
Delta R.T. 0.00 min
Lab File: VV011976.D
Acq: 23 Jul 2019 20:25

Instrument :
MSVOA_V
ClientSampleId :
A52K2

Tgt Ion: 95 Resp: 28055

Ion	Ratio	Lower	Upper
95	100		
97	64.2	45.6	84.6
132	105.8	71.3	132.3
130	108.4	72.8	135.2

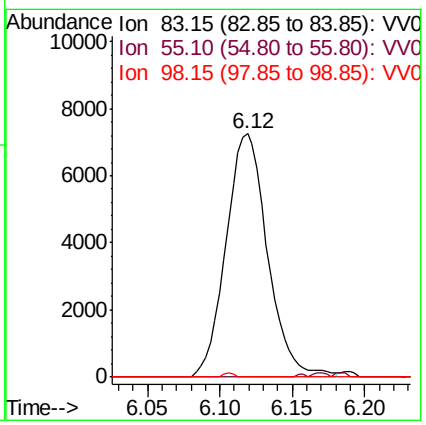


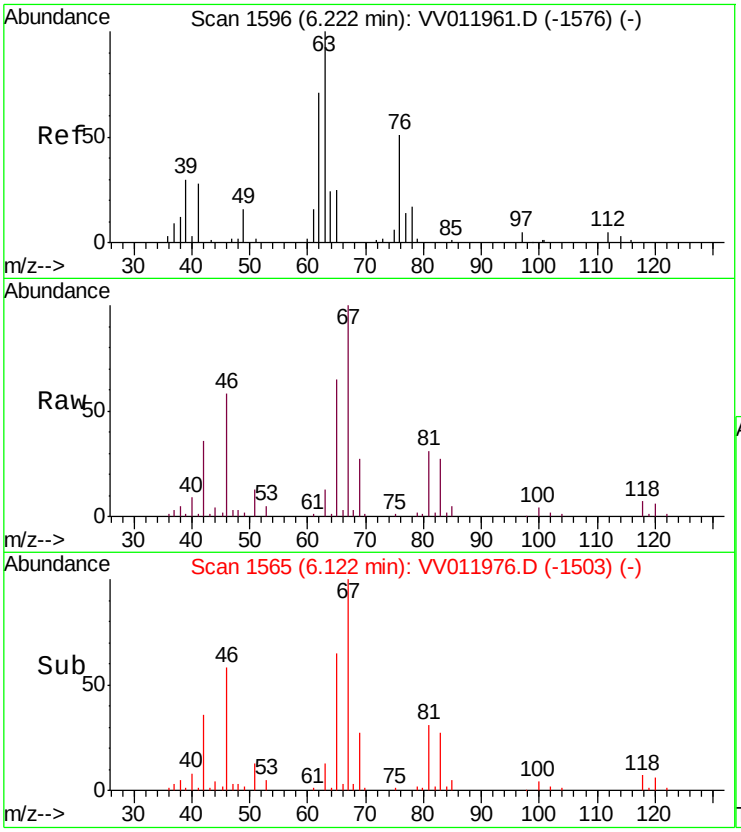


#35
Methylcyclohexane
Concen: 0.890 ug/L
RT: 6.12 min Scan# 1564
Delta R.T. -0.05 min
Lab File: VV011976.D
Acq: 23 Jul 2019 20:25

Tgt Ion: 83 Resp: 14456

Ion	Ratio	Lower	Upper
83	100		
55	0.3	63.0	94.4#
98	0.4	41.4	62.0#



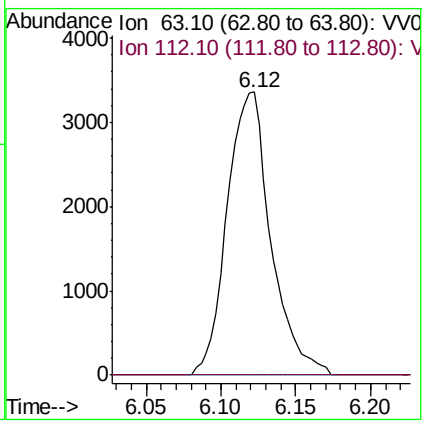


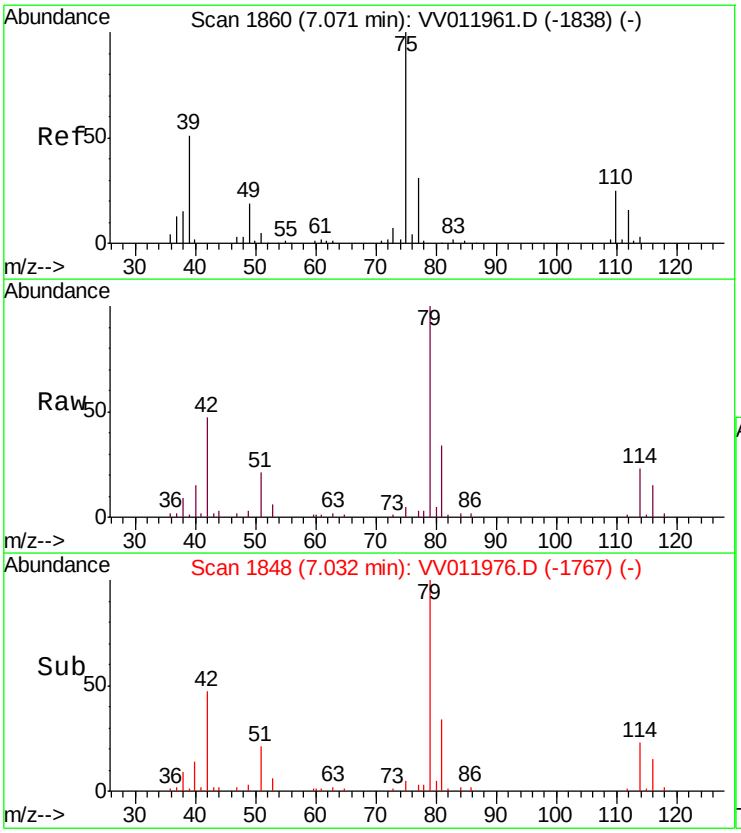
#37
1,2-Dichloropropane
Concen: 0.757 ug/L
RT: 6.12 min Scan# 1565
Delta R.T. -0.10 min
Lab File: VV011976.D
Acq: 23 Jul 2019 20:25

Instrument :
MSVOA_V
ClientSampleId :
A52K2

Tgt Ion: 63 Resp: 6840

Ion	Ratio	Lower	Upper
63	100		
112	0.0	4.2	6.4#

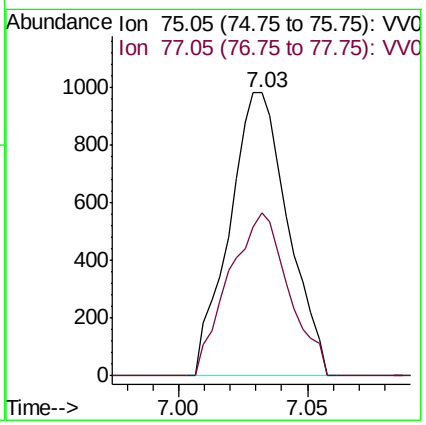


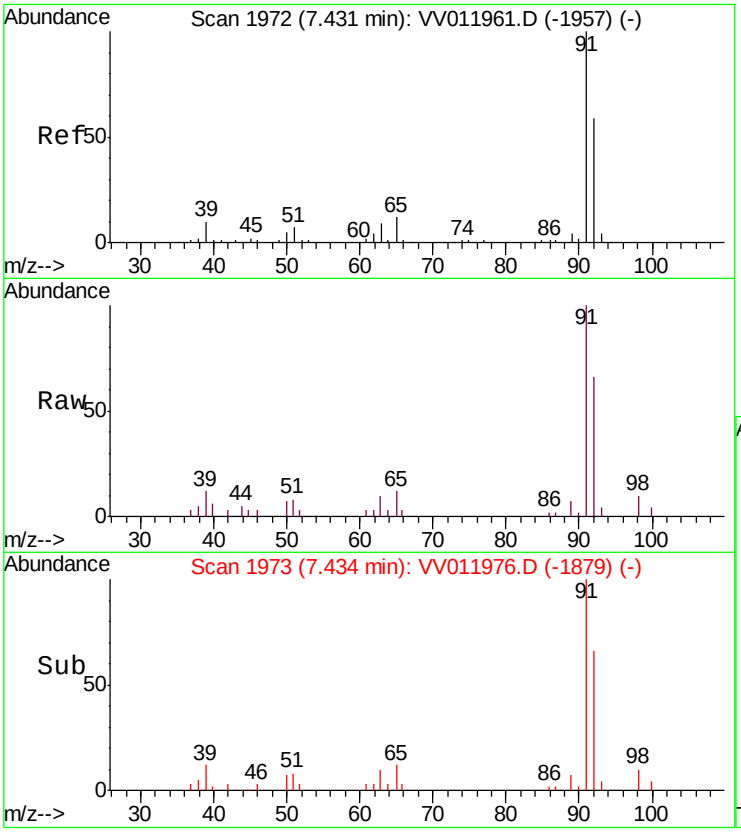


#39
cis-1,3-Dichloropropene
Concen: 0.116 ug/L
RT: 7.03 min Scan# 1848
Delta R.T. -0.04 min
Lab File: VV011976.D
Acq: 23 Jul 2019 20:25

Tgt Ion: 75 Resp: 1560

Ion	Ratio	Lower	Upper
75	100		
77	57.4	21.3	39.6#



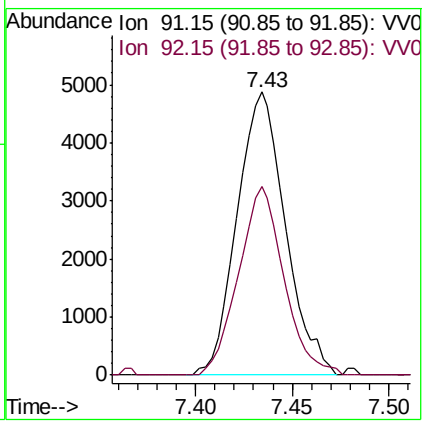


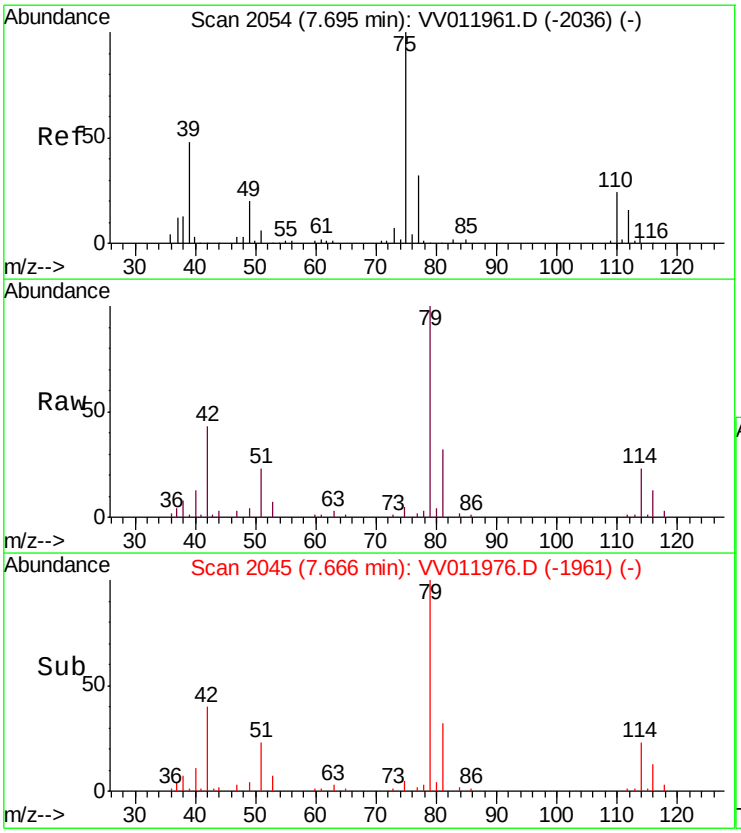
#42
Toluene
Concen: 0.210 ug/L
RT: 7.43 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VV011976.D
Acq: 23 Jul 2019 20:25

Instrument :
MSVOA_V
ClientSampleId :
A52K2

Tgt Ion: 91 Resp: 8463

Ion	Ratio	Lower	Upper
91	100		
92	66.5	41.9	77.9

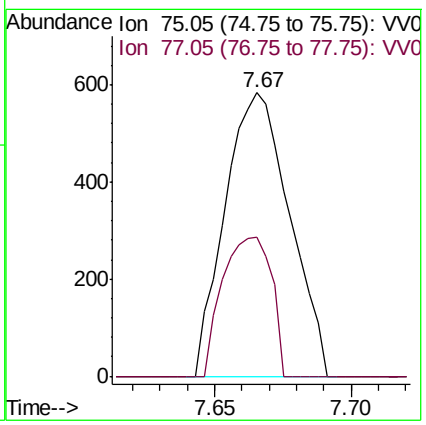


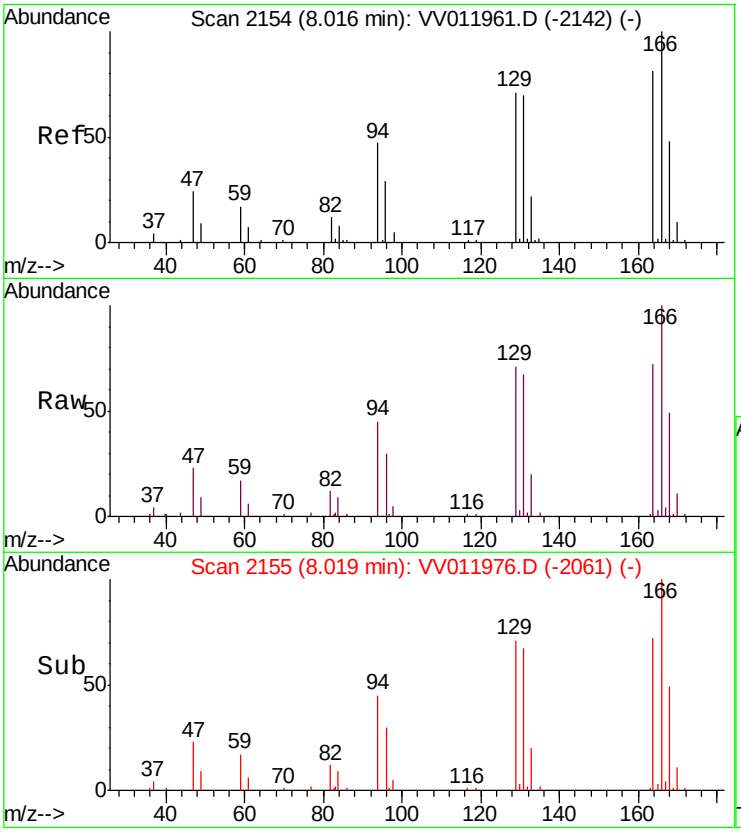


#44
trans-1,3-Dichloropropene
Concen: 0.090 ug/L
RT: 7.67 min Scan# 2045
Delta R.T. -0.03 min
Lab File: VV011976.D
Acq: 23 Jul 2019 20:25

Tgt Ion: 75 Resp: 958

Ion	Ratio	Lower	Upper
75	100		
77	49.1	22.0	40.8#



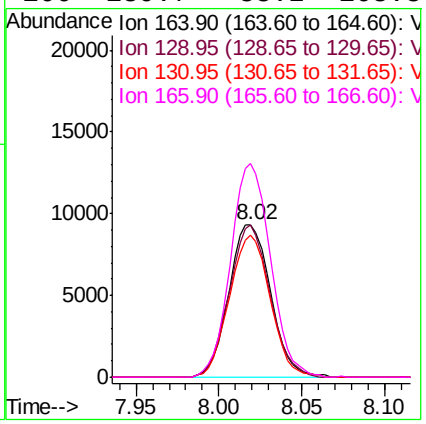


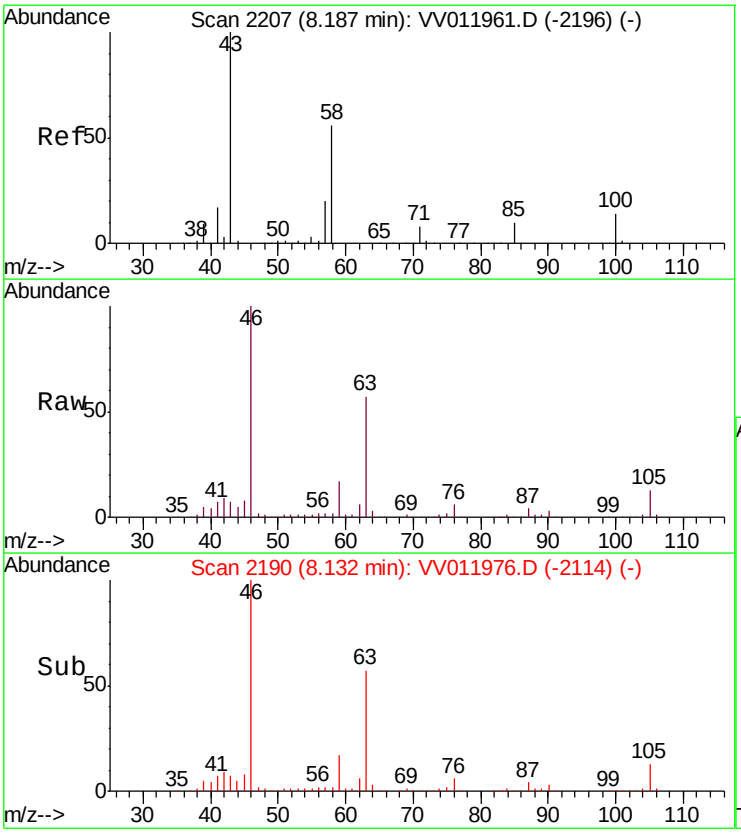
#47
Tetrachloroethene
Concen: 1.820 ug/L
RT: 8.02 min Scan# 2155
Delta R.T. 0.00 min
Lab File: VV011976.D
Acq: 23 Jul 2019 20:25

Instrument : MSVOA_V
ClientSampleId : A52K2

Tgt Ion:164 Resp: 16388

Ion	Ratio	Lower	Upper
164	100		
129	99.3	62.5	116.1
131	93.1	58.6	108.8
166	139.7	88.2	163.8

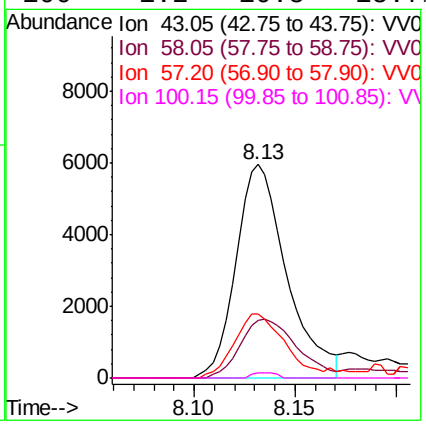


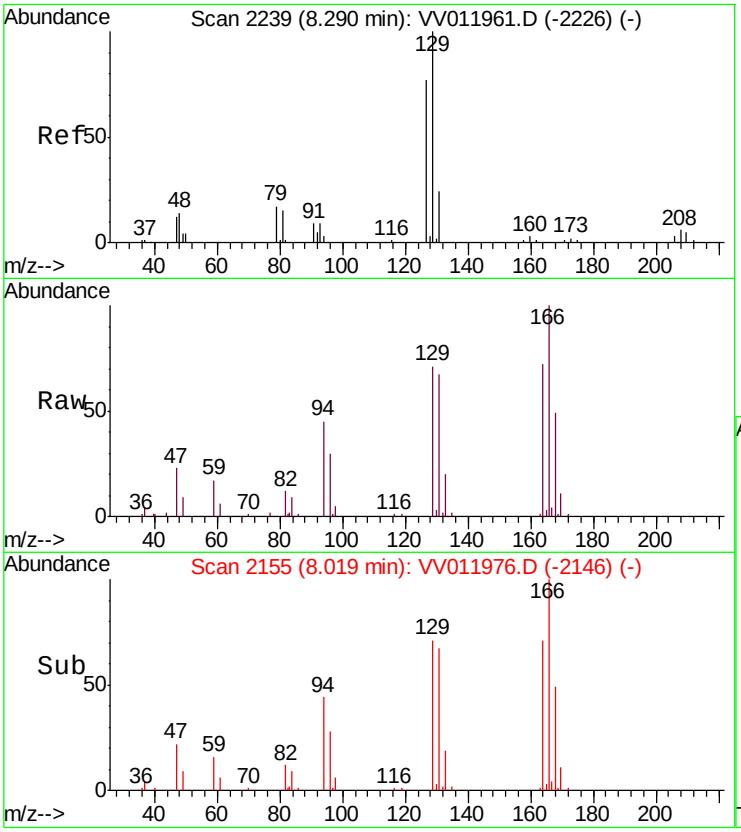


#48
2-Hexanone
Concen: 2.956 ug/L
RT: 8.13 min Scan# 2190
Delta R.T. -0.05 min
Lab File: VV011976.D
Acq: 23 Jul 2019 20:25

Tgt Ion: 43 Resp: 10466

Ion	Ratio	Lower	Upper
43	100		
58	30.6	43.7	65.5#
57	30.0	16.0	24.0#
100	1.2	10.5	15.7#



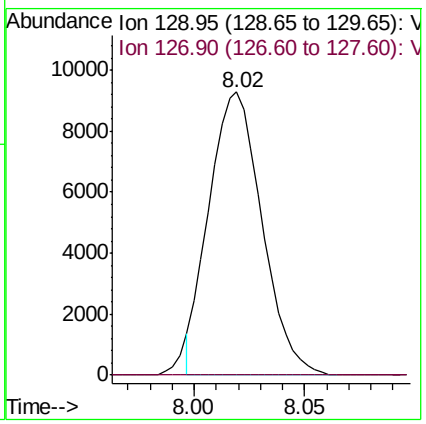


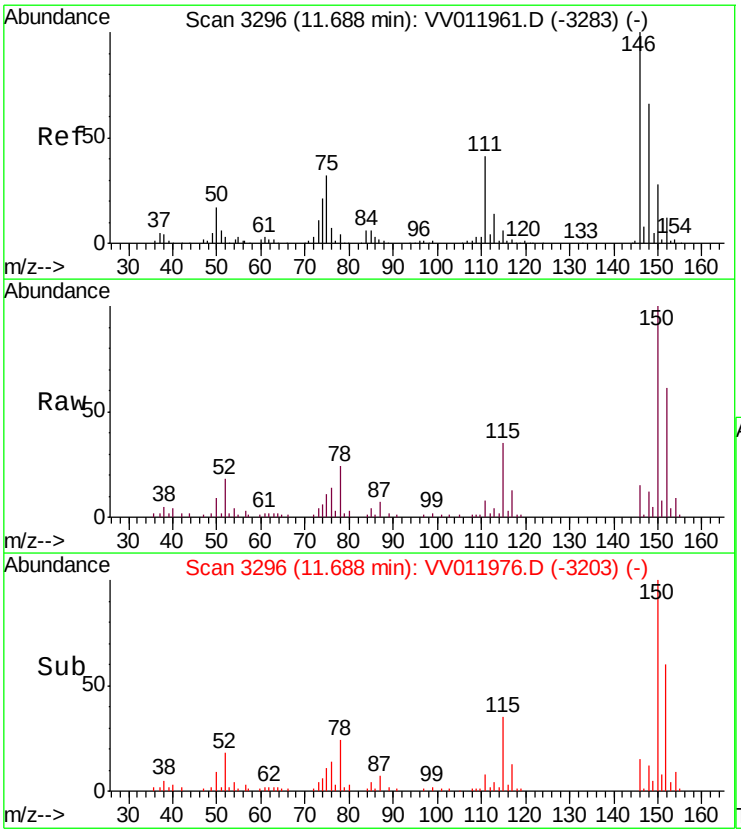
#49
Dibromochloromethane
Concen: 2.022 ug/L
RT: 8.02 min Scan# 2155
Delta R.T. -0.27 min
Lab File: VV011976.D
Acq: 23 Jul 2019 20:25

Instrument : MSVOA_V
ClientSampleId : A52K2

Tgt Ion:129 Resp: 15449

Ion	Ratio	Lower	Upper
129	100		
127	0.0	55.3	102.7#

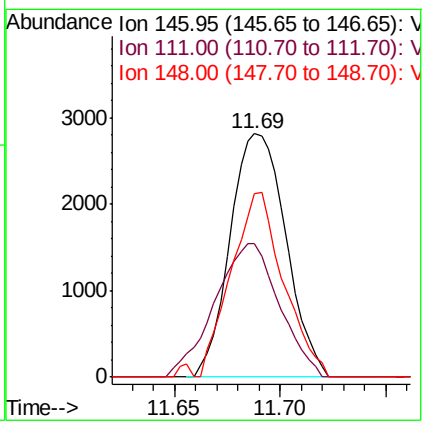


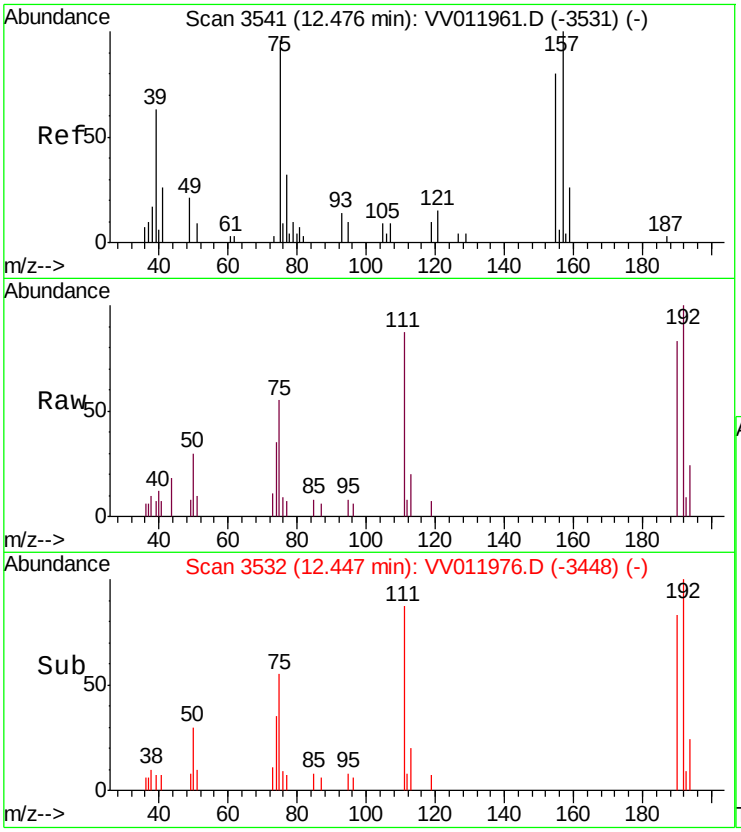


#65
1,2-Dichlorobenzene
Concen: 0.269 ug/L
RT: 11.69 min Scan# 3296
Delta R.T. -0.00 min
Lab File: VV011976.D
Acq: 23 Jul 2019 20:25

Tgt Ion:146 Resp: 5164

Ion	Ratio	Lower	Upper
146	100		
111	55.0	32.5	48.7#
148	75.2	51.4	77.0





#66
1,2-Dibromo-3-chloropropane
Concen: 1.601 ug/L
RT: 12.45 min Scan# 3532
Delta R.T. -0.03 min
Lab File: VV011976.D
Acq: 23 Jul 2019 20:25

Instrument :
MSVOA_V
ClientSampleId :
A52K2

Tgt Ion: 75 Resp: 1786

Ion	Ratio	Lower	Upper
75	100		
155	0.0	69.5	104.3#
157	0.0	96.2	144.2#