Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV082919\

Quantitation Report (Not Reviewed)

Data File : VV012443.D
Acq On : 29 Aug 2019 21:03
Operator : SY/MD
Sample : VSTDICV005
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : VICV34

Quant Time: Aug 30 06:47:21 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR082919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Aug 30 06:44:27 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	240933	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	228532	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	109269	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.32	65	94637	4.41	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 88.20%			
7) Chloroethane-d5	1.58	69	68837	4.43	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 88.60%			
11) 1,1-Dichloroethene-d2	2.13	63	160187	4.55	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 91.00%			
20) 2-Butanone-d5	3.96	46	210631	48.13	ug/L	0.00
Spiked Amount 50.000	Range 40 - 130		Recovery = 96.26%			
24) Chloroform-d	4.40	84	170484	4.62	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 92.40%			
26) 1,2-Dichloroethane-d4	5.08	65	83164	4.64	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 92.80%			
32) Benzene-d6	5.10	84	334671	4.90	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 98.00%			
36) 1,2-Dichloropropane-d6	6.12	67	103394	4.77	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 95.40%			
41) Toluene-d8	7.36	98	312124	5.07	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 101.40%			
43) trans-1,3-Dichloropropene-	7.66	79	38562	5.04	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 100.80%			
46) 2-Hexanone-d5	8.14	63	159350	52.96	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 105.92%			
57) 1,1,2,2-Tetrachloroethane-	10.26	84	72631	4.73	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 94.60%			
64) 1,2-Dichlorobenzene-d4	11.67	152	102631	4.83	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 96.60%			

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.14	85	158679	4.904	ug/L	99
3) Chloromethane	1.25	50	151980	4.772	ug/L	98
5) Vinyl chloride	1.32	62	138973	4.620	ug/L	99
6) Bromomethane	1.54	94	76233	4.666	ug/L	99
8) Chloroethane	1.60	64	73246	4.539	ug/L	99
9) Trichlorofluoromethane	1.77	101	185582	4.762	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	91537	4.726	ug/L	99
12) 1,1-Dichloroethene	2.14	96	87733	4.805	ug/L	93
13) Acetone	2.23	43	146910	45.938	ug/L	98
14) Carbon disulfide	2.32	76	262233	4.698	ug/L	99
15) Methyl Acetate	2.47	43	39348	4.998	ug/L	98
16) Methylene chloride	2.53	84	91754	4.395	ug/L	96
17) Methyl tert-butyl Ether	2.81	73	253035	5.042	ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	112966	4.830	ug/L	97
19) 1,1-Dichloroethane	3.23	63	222581	4.862	ug/L	98
21) 2-Butanone	4.05	43	293637	49.947	ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	122442	5.002	ug/L	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV082919\

Quantitation Report (Not Reviewed)

Data File : VV012443.D
Acq On : 29 Aug 2019 21:03
Operator : SY/MD
Sample : VSTDICV005
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : VICV34

Quant Time: Aug 30 06:47:21 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR082919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Aug 30 06:44:27 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	52195	4.909	ug/L	97
25) Chloroform	4.42	83	220218	4.592	ug/L	99
27) 1,2-Dichloroethane	5.18	62	130934	4.868	ug/L	99
29) 1,1,1-Trichloroethane	4.66	97	185340	5.007	ug/L	97
30) Cyclohexane	4.72	56	199881	5.356	ug/L	97
31) Carbon tetrachloride	4.87	117	161602	4.962	ug/L	97
33) Benzene	5.14	78	486386	5.141	ug/L	100
34) Trichloroethene	5.96	95	120744	5.009	ug/L	98
35) Methylcyclohexane	6.17	83	195869	5.341	ug/L	98
37) 1,2-Dichloropropane	6.22	63	125532	5.088	ug/L	100
38) Bromodichloromethane	6.55	83	151653	4.943	ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	166580	5.218	ug/L	99
40) 4-Methyl-2-pentanone	7.28	43	756367	54.091	ug/L	99
42) Toluene	7.43	91	509468	5.261	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	126817	5.114	ug/L	96
45) 1,1,2-Trichloroethane	7.88	97	80297	4.906	ug/L	98
47) Tetrachloroethene	8.02	164	97308	5.043	ug/L	98
48) 2-Hexanone	8.19	43	533039	55.970	ug/L	99
49) Dibromochloromethane	8.29	129	96850	5.139	ug/L	99
50) 1,2-Dibromoethane	8.40	107	72653	5.026	ug/L	99
51) Chlorobenzene	8.92	112	314658	5.128	ug/L	97
52) Ethylbenzene	9.05	91	544565	5.321	ug/L	100
53) m,p-xylene	9.18	106	204868	5.461	ug/L	99
54) o-xylene	9.59	106	195634	5.341	ug/L	95
55) Styrene	9.60	104	341098	5.548	ug/L	97
56) Isopropylbenzene	9.97	105	527615	5.471	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	94182	4.892	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	66866	4.879	ug/L	95
61) Bromoform	9.77	173	51937	5.111	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	242305	5.299	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	240122	5.241	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	225492	5.230	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	14578	5.023	ug/L	97
67) 1,3,5-Trichlorobenzene	12.69	180	183491	5.379	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	136341	5.451	ug/L	99
69) Naphthalene	13.55	128	208392	5.757	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	133721	5.565	ug/L	100

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

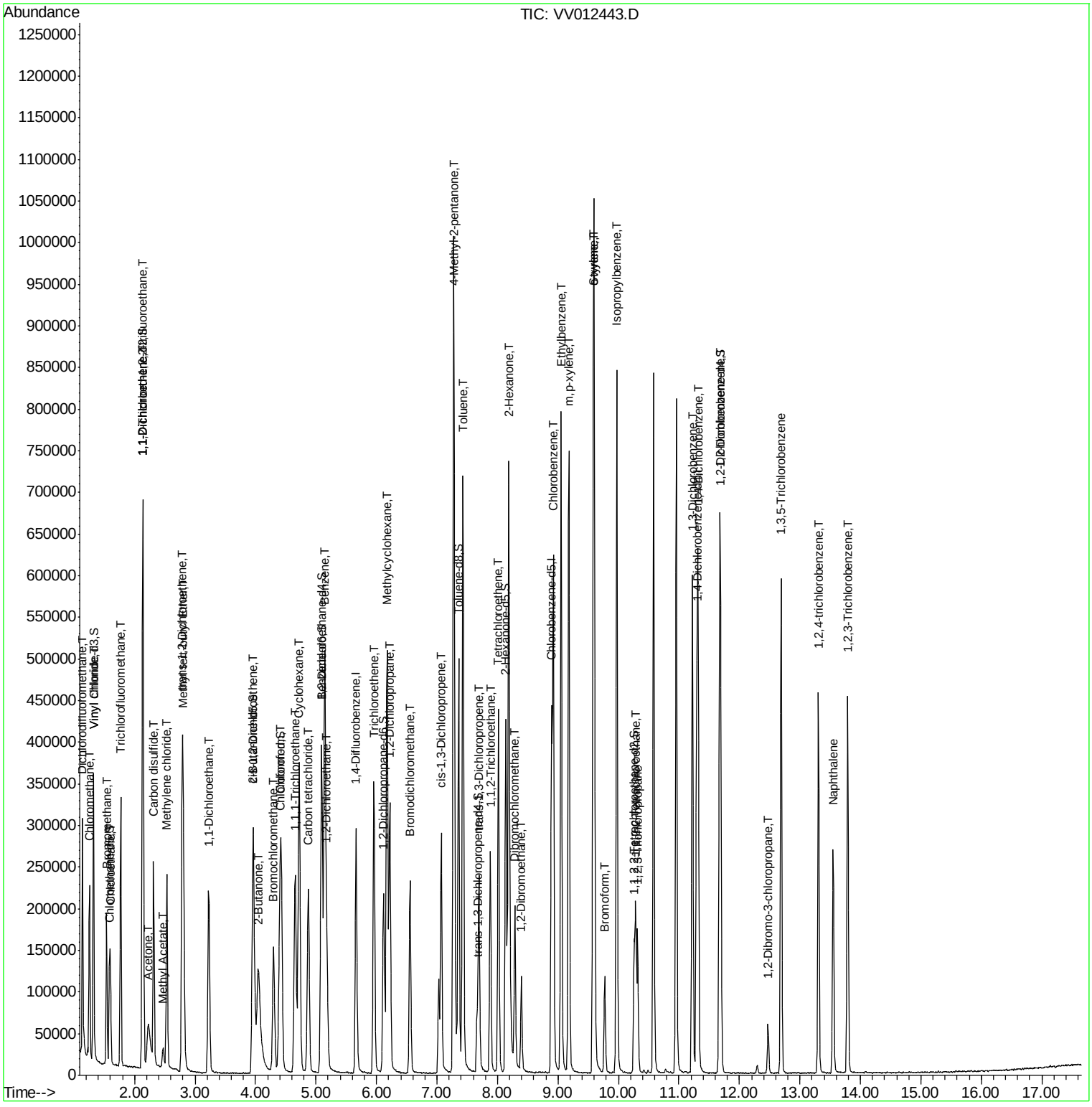
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV082919\

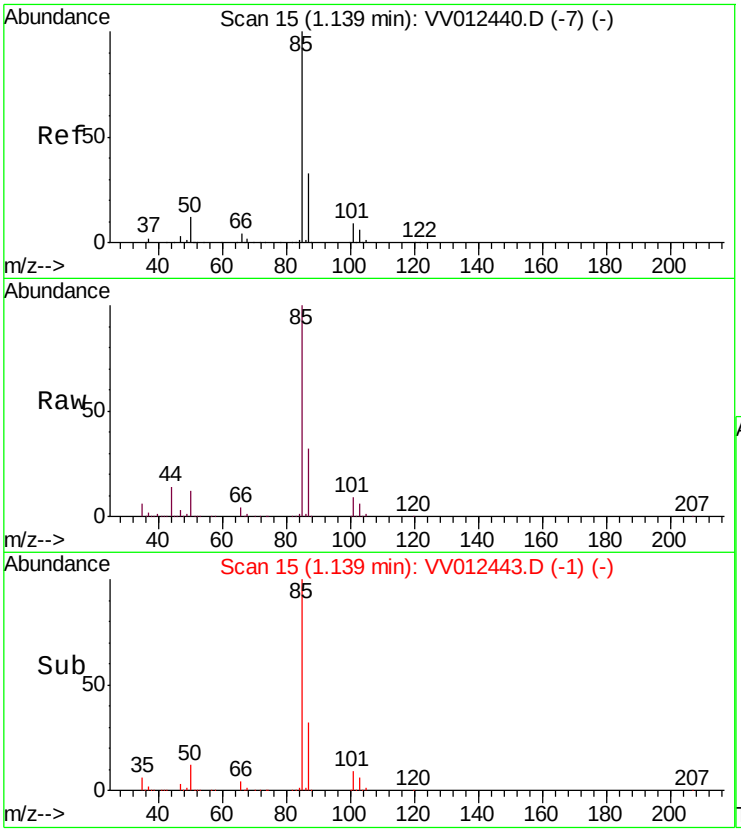
Quantitation Report (Not Reviewed)

Data File : VV012443.D
Acq On : 29 Aug 2019 21:03
Operator : SY/MD
Sample : VSTDICV005
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VICV34

Quant Time: Aug 30 06:47:21 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR082919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Aug 30 06:44:27 2019
Response via : Initial Calibration



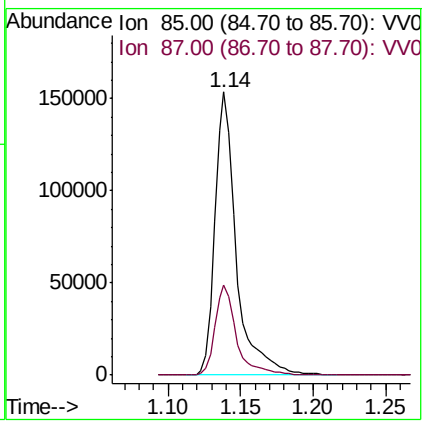


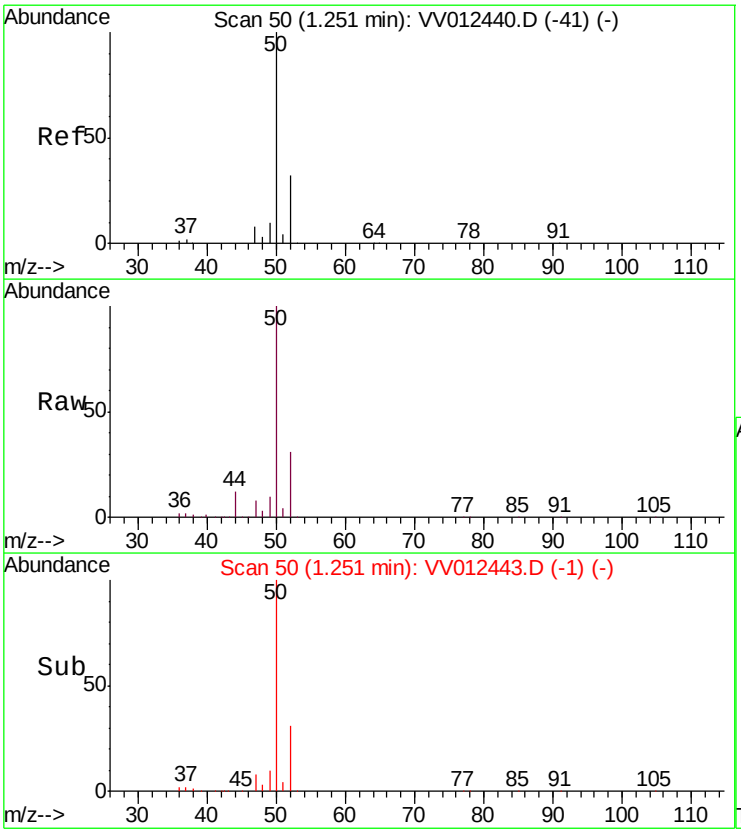
#2
Dichlorodifluoromethane
Concen: 4.904 ug/L
RT: 1.14 min Scan# 15
Delta R.T. 0.00 min
Lab File: VV012443.D
Acq: 29 Aug 2019 21:03

Instrument :
MSVOA_V
ClientSampleId :
VICV34

Tgt Ion: 85 Resp: 158679

Ion	Ratio	Lower	Upper
85	100		
87	32.2	26.3	39.5

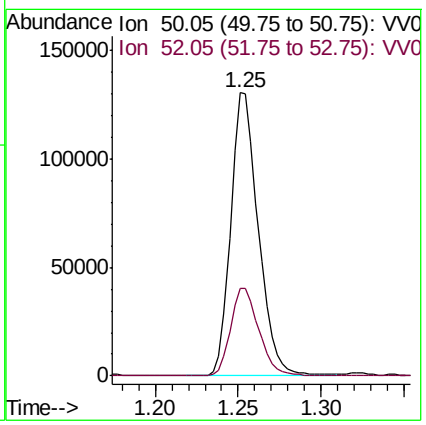


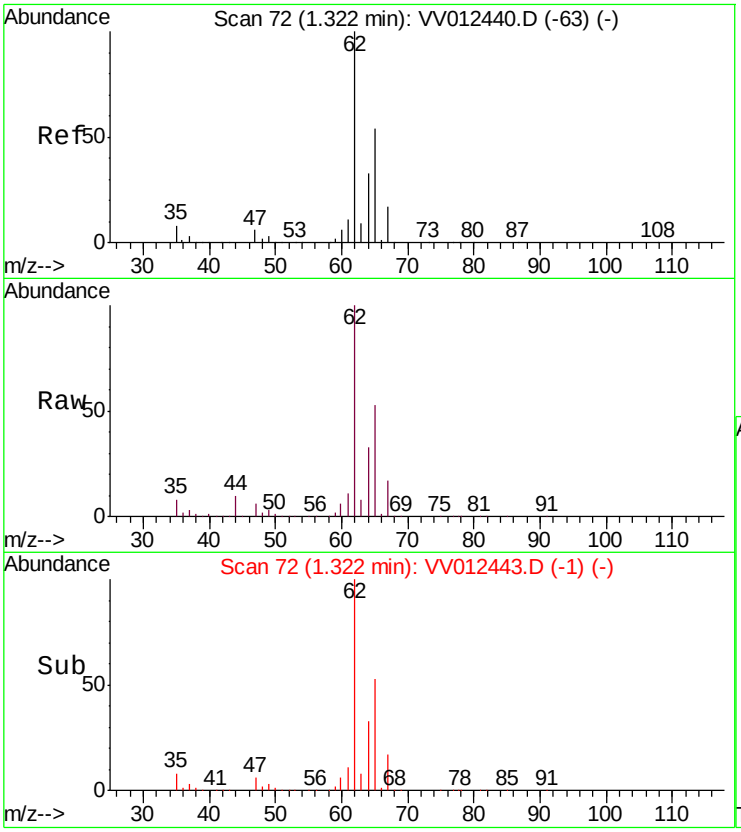


#3
Chloromethane
Concen: 4.772 ug/L
RT: 1.25 min Scan# 50
Delta R.T. 0.00 min
Lab File: VV012443.D
Acq: 29 Aug 2019 21:03

Tgt Ion: 50 Resp: 151980

Ion	Ratio	Lower	Upper
50	100		
52	31.0	22.5	41.9



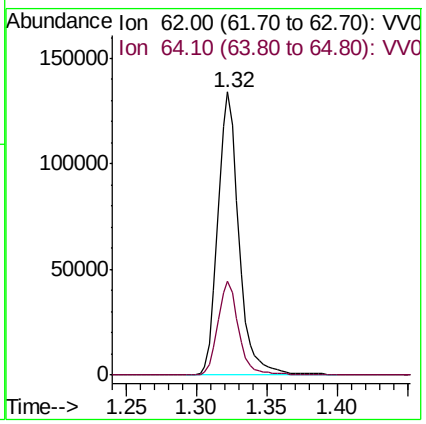


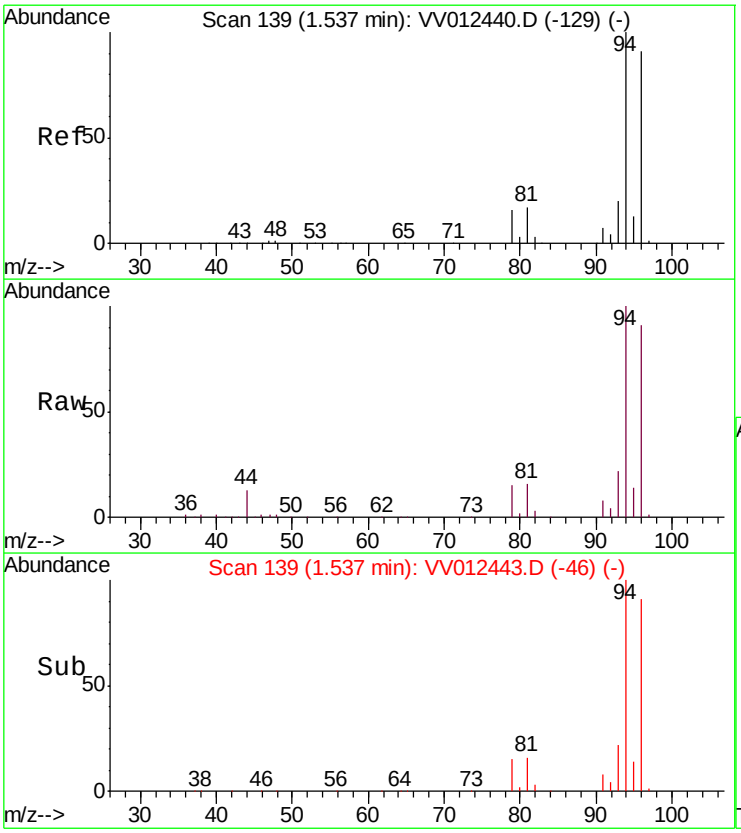
#5
Vinyl chloride
Concen: 4.620 ug/L
RT: 1.32 min Scan# 72
Delta R.T. 0.00 min
Lab File: VV012443.D
Acq: 29 Aug 2019 21:03

Instrument :
MSVOA_V
ClientSampleId :
VICV34

Tgt Ion: 62 Resp: 138973

Ion	Ratio	Lower	Upper
62	100		
64	33.0	22.7	42.3

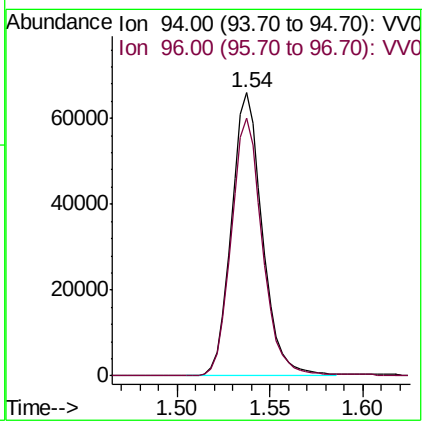


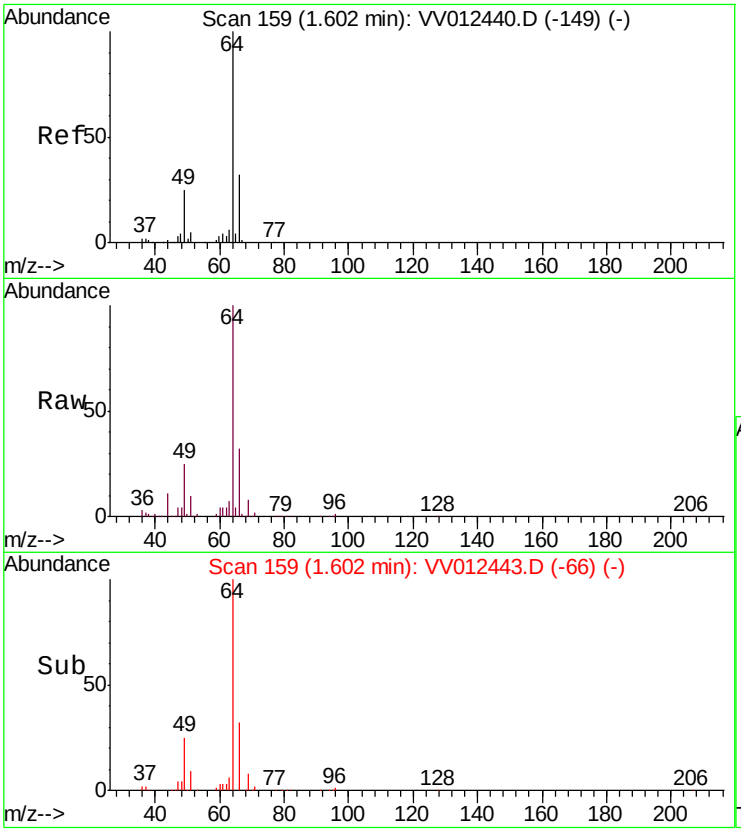


#6
Bromomethane
Concen: 4.666 ug/L
RT: 1.54 min Scan# 139
Delta R.T. 0.00 min
Lab File: VV012443.D
Acq: 29 Aug 2019 21:03

Tgt Ion: 94 Resp: 76233

Ion	Ratio	Lower	Upper
94	100		
96	90.9	64.0	119.0



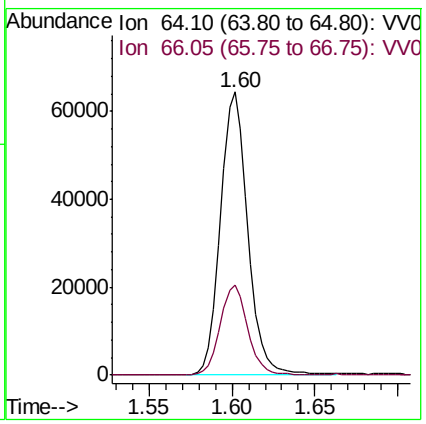


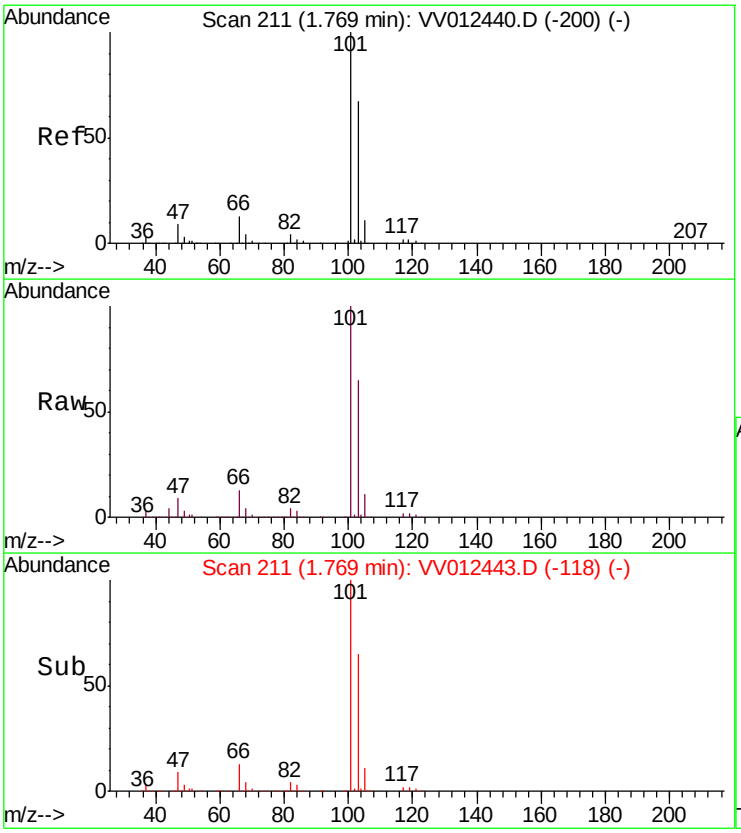
#8
Chloroethane
Concen: 4.539 ug/L
RT: 1.60 min Scan# 159
Delta R.T. 0.00 min
Lab File: VV012443.D
Acq: 29 Aug 2019 21:03

Instrument :
MSVOA_V
ClientSampleId :
VICV34

Tgt Ion: 64 Resp: 73246

Ion	Ratio	Lower	Upper
64	100		
66	31.7	22.5	41.7

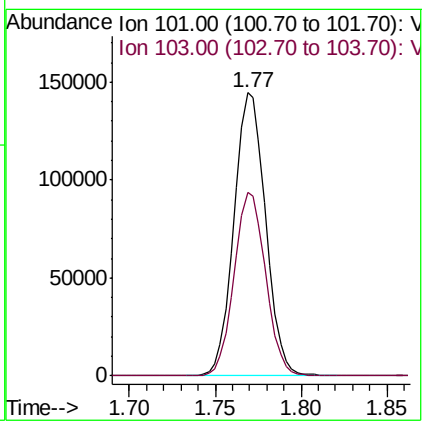


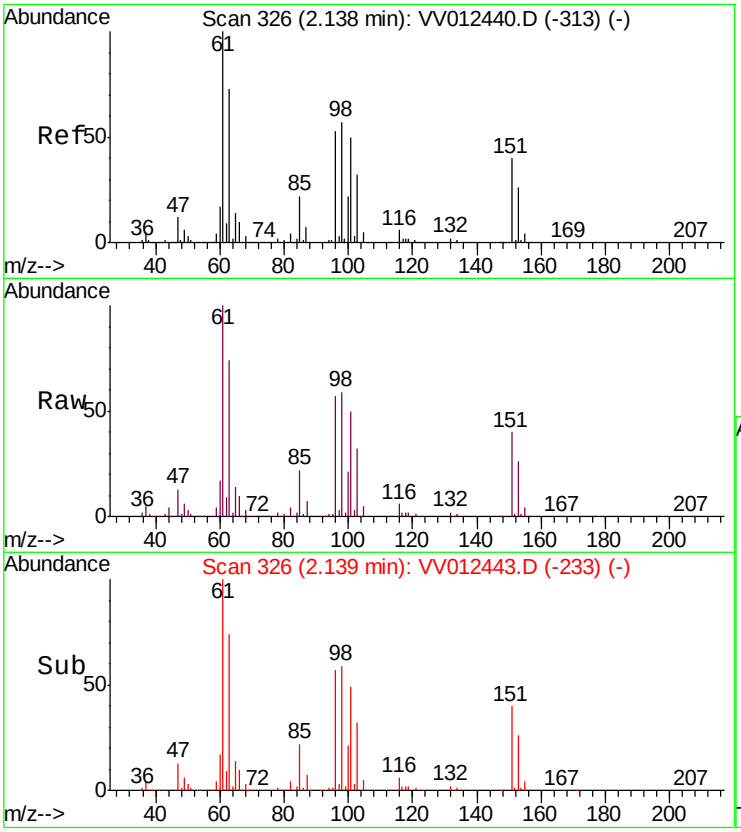


#9
Trichlorofluoromethane
Concen: 4.762 ug/L
RT: 1.77 min Scan# 211
Delta R.T. 0.00 min
Lab File: VV012443.D
Acq: 29 Aug 2019 21:03

Tgt Ion:101 Resp: 185582

Ion	Ratio	Lower	Upper
101	100		
103	64.4	53.0	79.4



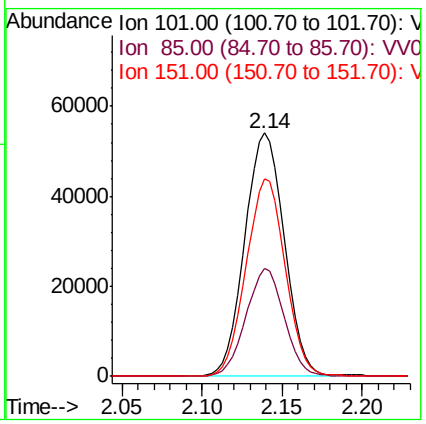


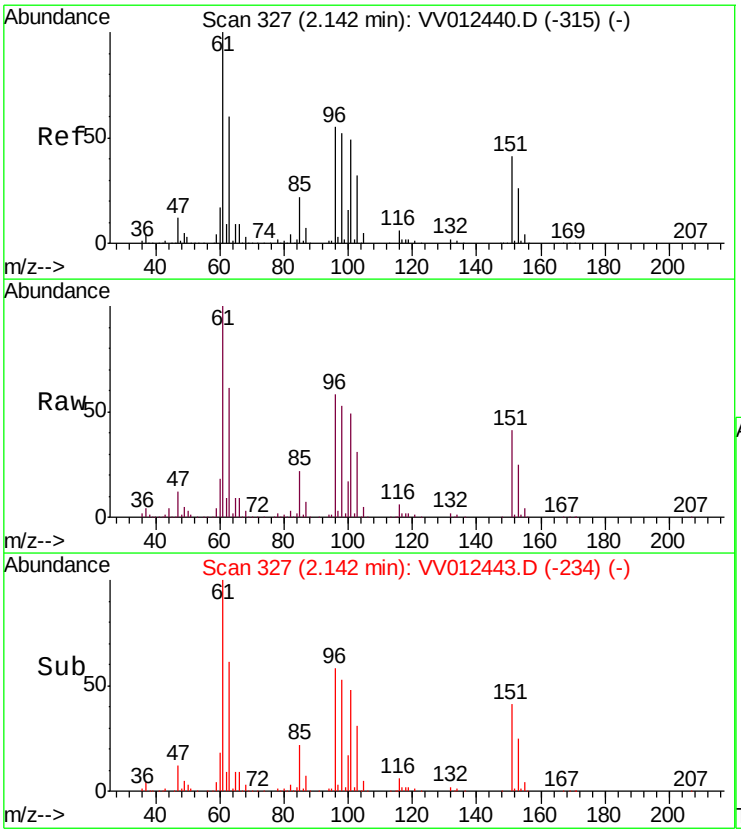
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 4.726 ug/L
RT: 2.14 min Scan# 326
Delta R.T. 0.00 min
Lab File: VV012443.D
Acq: 29 Aug 2019 21:03

Instrument :
MSVOA_V
ClientSampleId :
VICV34

Tgt Ion:101 Resp: 91537

Ion	Ratio	Lower	Upper
101	100		
85	42.9	35.4	53.2
151	80.4	64.4	96.6

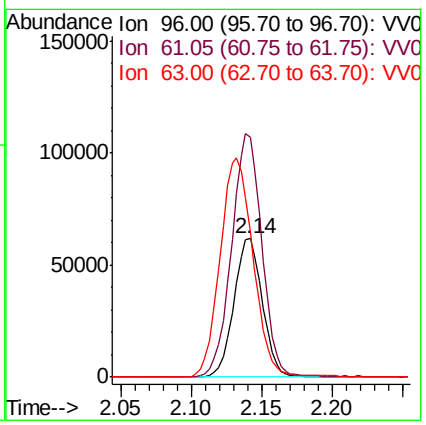


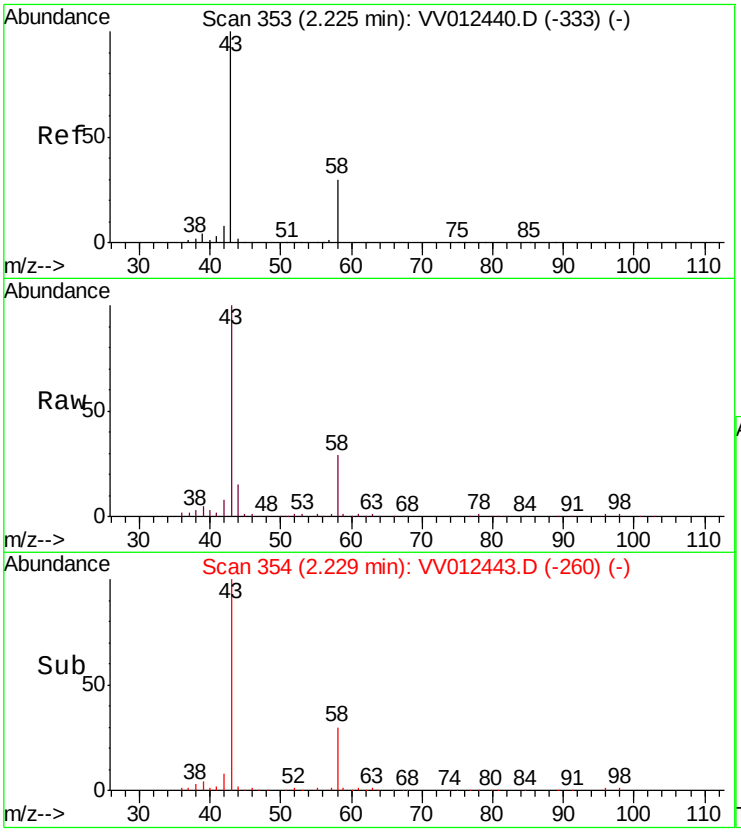


#12
1,1-Dichloroethene
Concen: 4.805 ug/L
RT: 2.14 min Scan# 327
Delta R.T. 0.00 min
Lab File: VV012443.D
Acq: 29 Aug 2019 21:03

Tgt Ion: 96 Resp: 87733

Ion	Ratio	Lower	Upper
96	100		
61	173.1	127.8	237.4
63	105.0	78.2	145.2



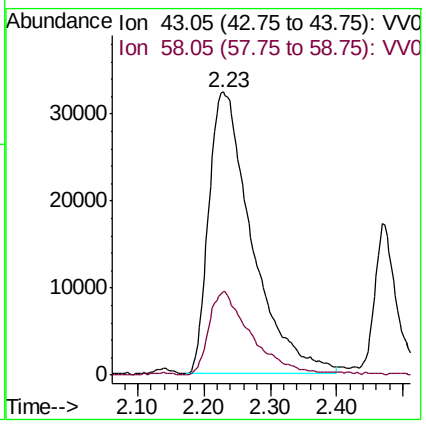


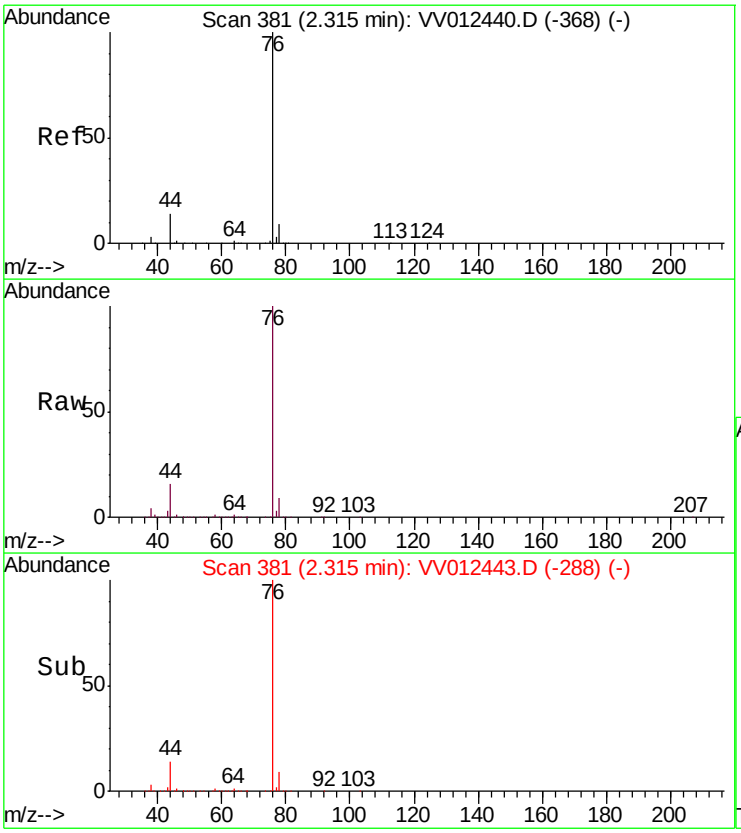
#13
Acetone
Concen: 45.938 ug/L
RT: 2.23 min Scan# 354
Delta R.T. 0.00 min
Lab File: VV012443.D
Acq: 29 Aug 2019 21:03

Instrument : MSVOA_V
ClientSampleId : VICV34

Tgt Ion: 43 Resp: 146910

Ion	Ratio	Lower	Upper
43	100		
58	29.2	0.0	56.8

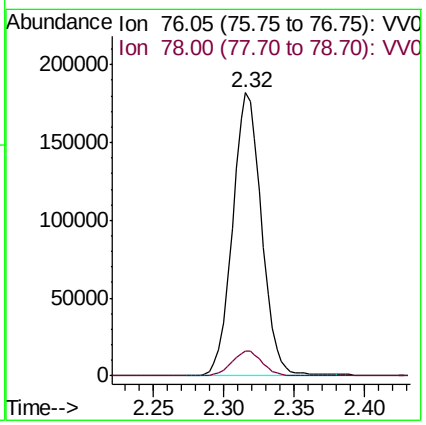


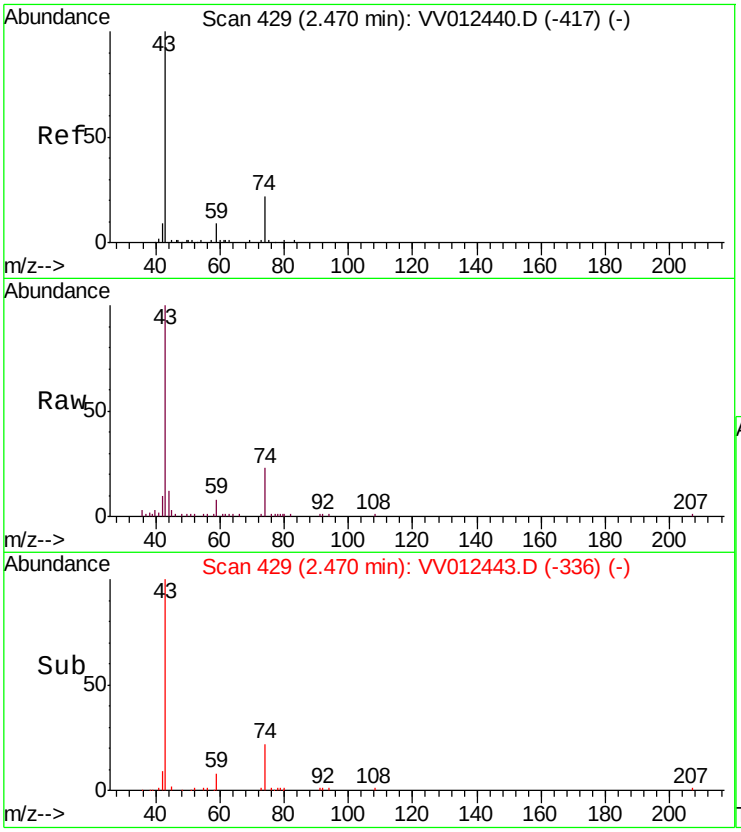


#14
Carbon disulfide
Concen: 4.698 ug/L
RT: 2.32 min Scan# 381
Delta R.T. 0.00 min
Lab File: VV012443.D
Acq: 29 Aug 2019 21:03

Tgt Ion: 76 Resp: 262233

Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.2	10.8



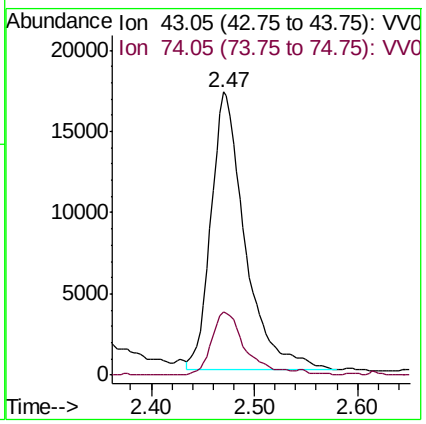


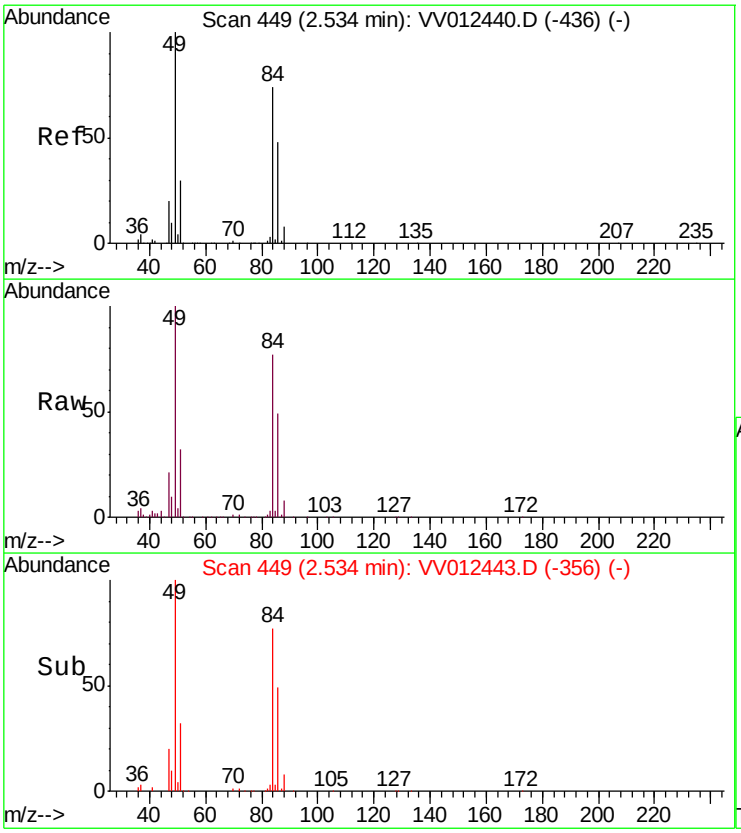
#15
Methyl Acetate
Concen: 4.998 ug/L
RT: 2.47 min Scan# 429
Delta R.T. 0.00 min
Lab File: VV012443.D
Acq: 29 Aug 2019 21:03

Instrument :
MSVOA_V
ClientSampleId :
VICV34

Tgt Ion: 43 Resp: 39348

Ion	Ratio	Lower	Upper
43	100		
74	21.5	18.1	27.1

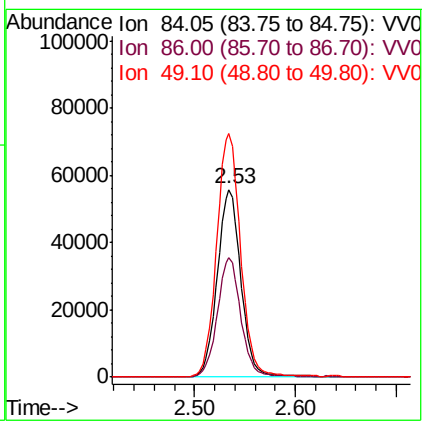


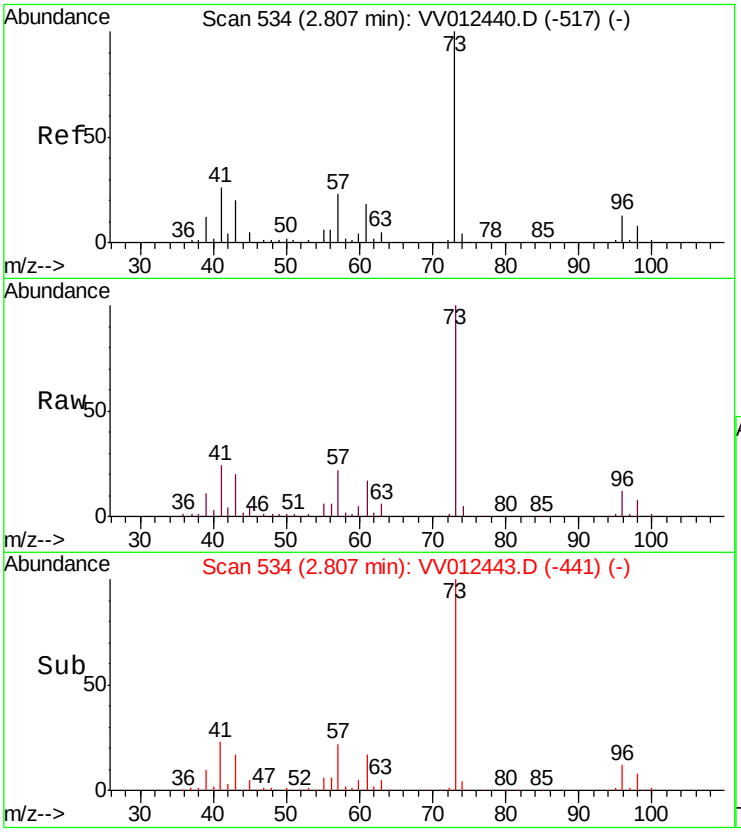


#16
Methylene chloride
Concen: 4.395 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV012443.D
Acq: 29 Aug 2019 21:03

Tgt Ion: 84 Resp: 91754

Ion	Ratio	Lower	Upper
84	100		
86	64.0	45.2	84.0
49	129.7	95.1	176.7



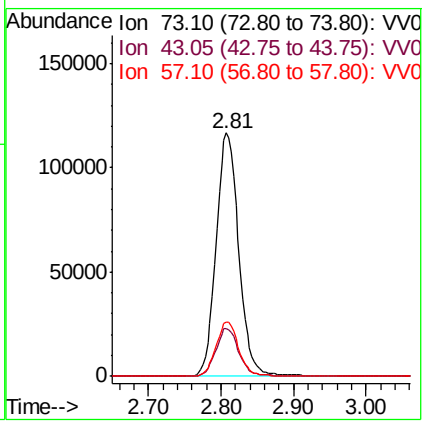


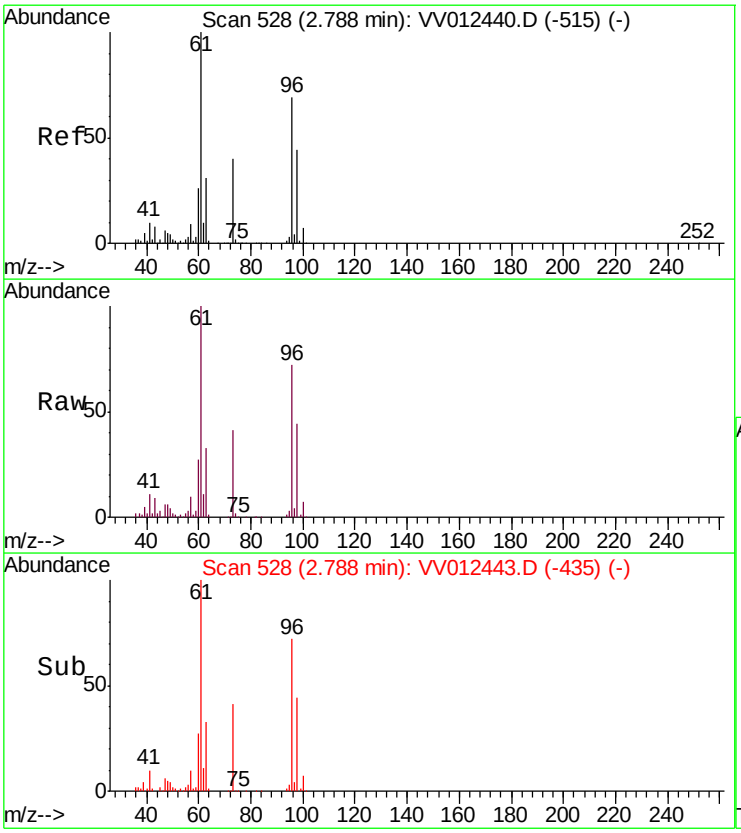
#17
Methyl tert-butyl Ether
Concen: 5.042 ug/L
RT: 2.81 min Scan# 534
Delta R.T. 0.00 min
Lab File: VV012443.D
Acq: 29 Aug 2019 21:03

Instrument :
MSVOA_V
ClientSampleId :
VICV34

Tgt Ion: 73 Resp: 253035

Ion	Ratio	Lower	Upper
73	100		
43	19.7	16.1	24.1
57	22.4	18.8	28.2

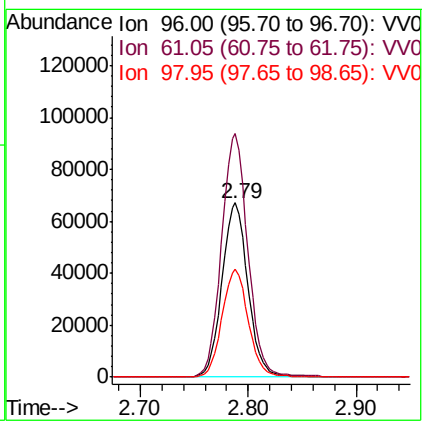


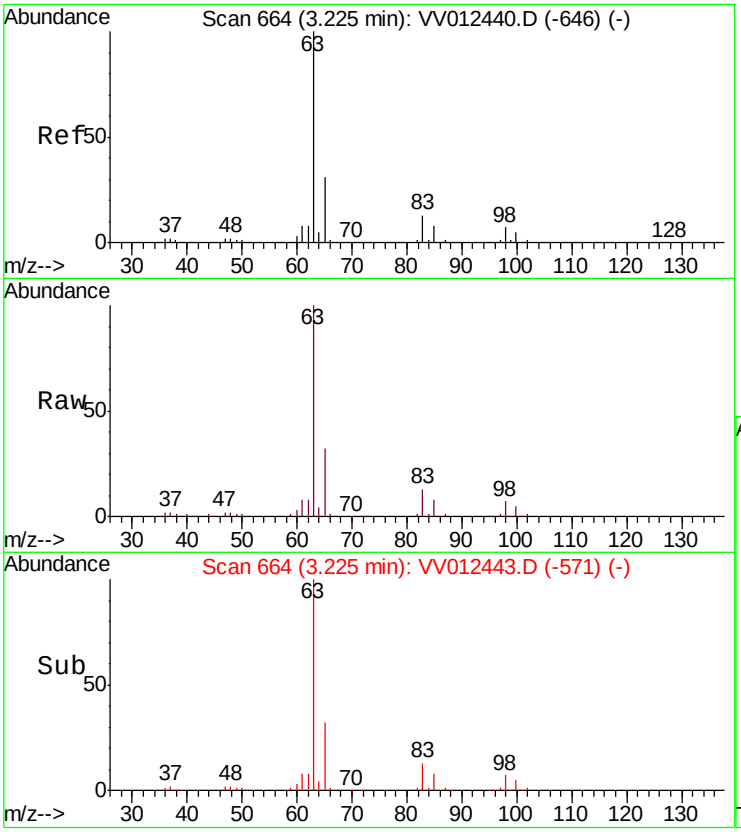


#18
trans-1,2-Dichloroethene
Concen: 4.830 ug/L
RT: 2.79 min Scan# 528
Delta R.T. 0.00 min
Lab File: VV012443.D
Acq: 29 Aug 2019 21:03

Tgt Ion: 96 Resp: 112966

Ion	Ratio	Lower	Upper
96	100		
61	139.9	101.2	188.0
98	61.8	44.1	81.9



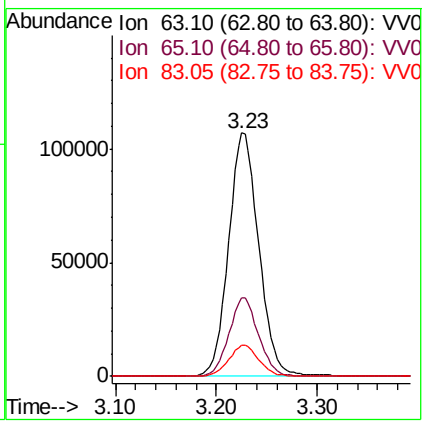


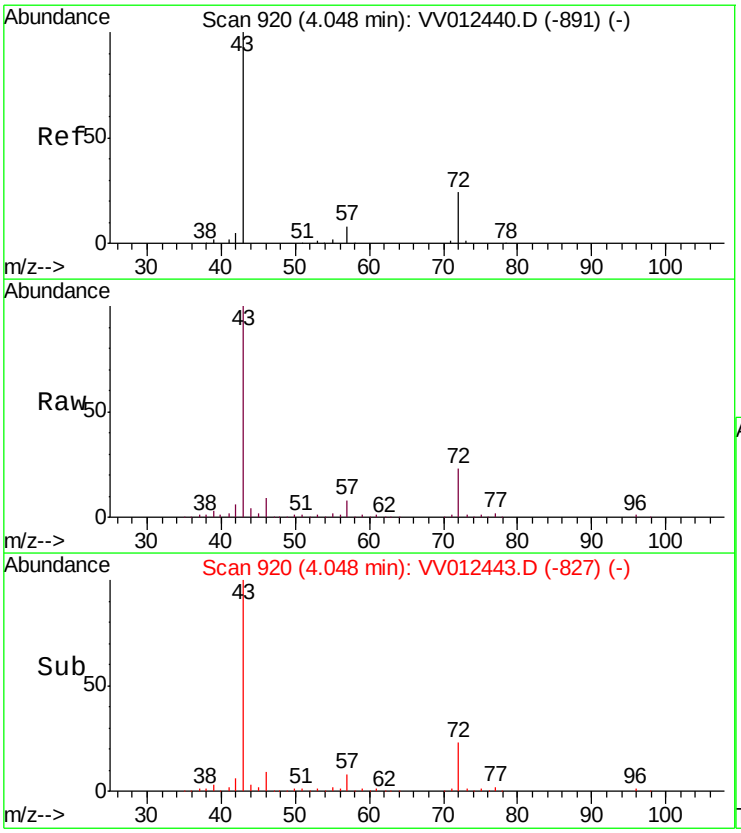
#19
1,1-Dichloroethane
Concen: 4.862 ug/L
RT: 3.23 min Scan# 664
Delta R.T. 0.00 min
Lab File: VV012443.D
Acq: 29 Aug 2019 21:03

Instrument :
MSVOA_V
ClientSampleId :
VICV34

Tgt Ion: 63 Resp: 222581

Ion	Ratio	Lower	Upper
63	100		
65	32.3	21.6	40.2
83	12.6	9.0	16.8

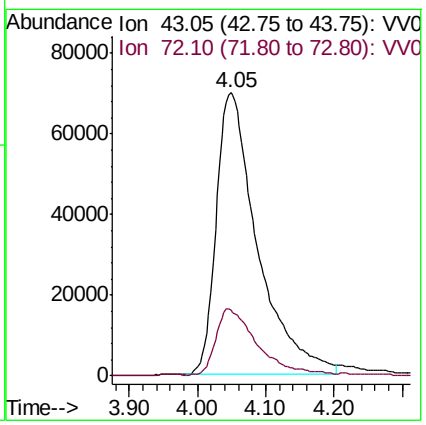


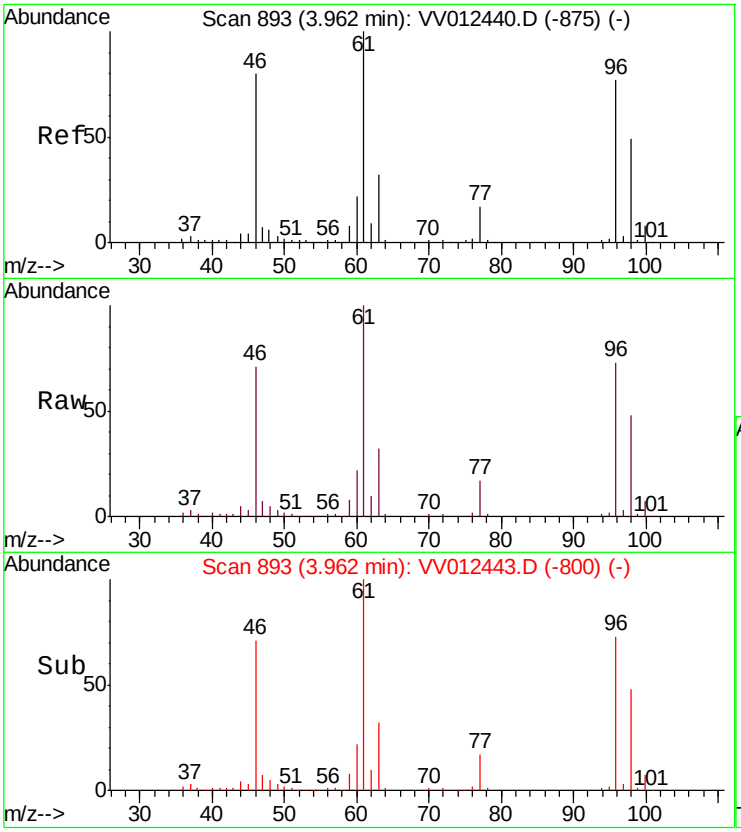


#21
2-Butanone
Concen: 49.947 ug/L
RT: 4.05 min Scan# 920
Delta R.T. 0.00 min
Lab File: VV012443.D
Acq: 29 Aug 2019 21:03

Tgt Ion: 43 Resp: 293637

Ion	Ratio	Lower	Upper
43	100		
72	22.4	11.8	35.3



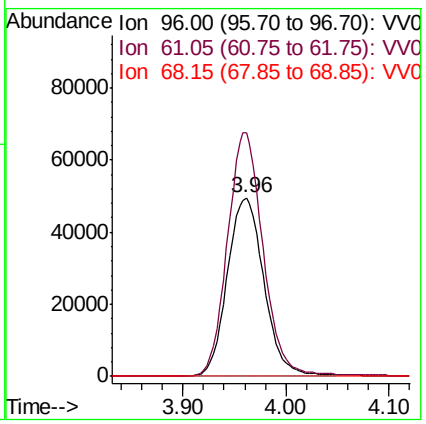


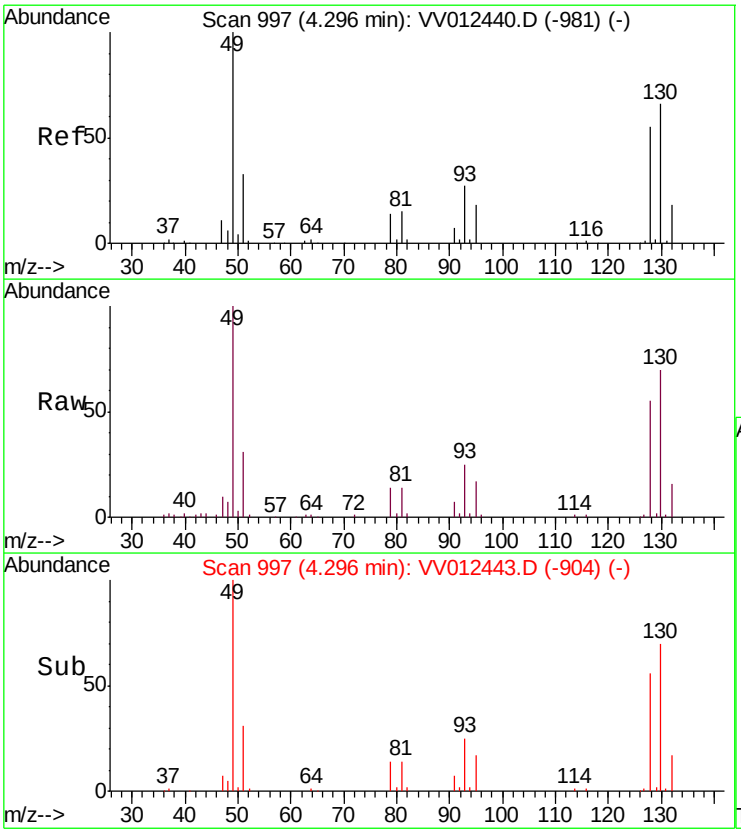
#22
cis-1,2-Dichloroethene
Concen: 5.002 ug/L
RT: 3.96 min Scan# 893
Delta R.T. 0.00 min
Lab File: VV012443.D
Acq: 29 Aug 2019 21:03

Instrument :
MSVOA_V
ClientSampleId :
VICV34

Tgt Ion: 96 Resp: 122442

Ion	Ratio	Lower	Upper
96	100		
61	136.4	91.5	169.9
68	0.0	0.0	0.0

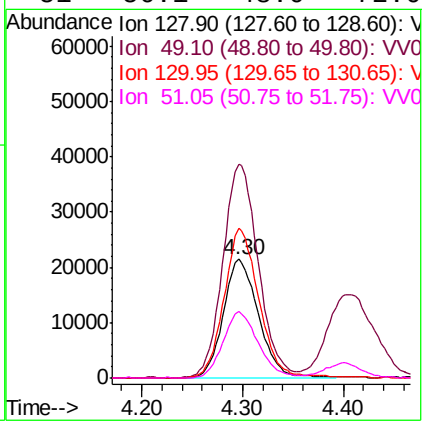


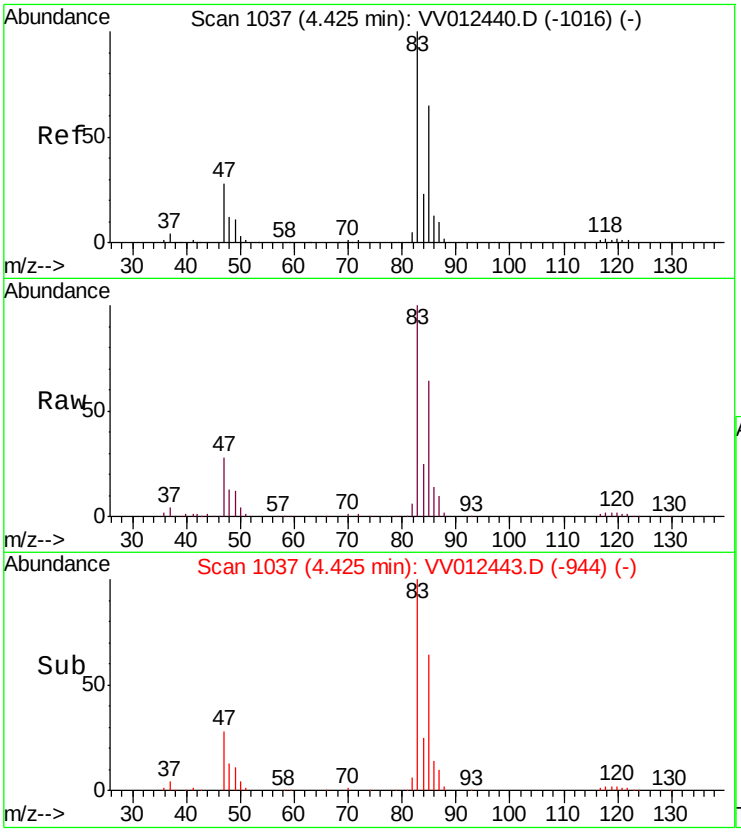


#23
Bromochloromethane
Concen: 4.909 ug/L
RT: 4.30 min Scan# 997
Delta R.T. 0.00 min
Lab File: VV012443.D
Acq: 29 Aug 2019 21:03

Tgt Ion:128 Resp: 52195

Ion	Ratio	Lower	Upper
128	100		
49	180.3	127.7	237.3
130	126.0	84.1	156.1
51	56.1	48.0	72.0



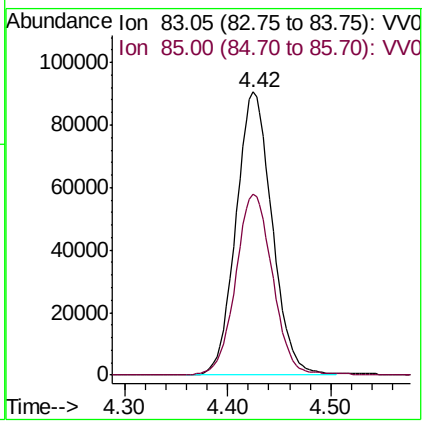


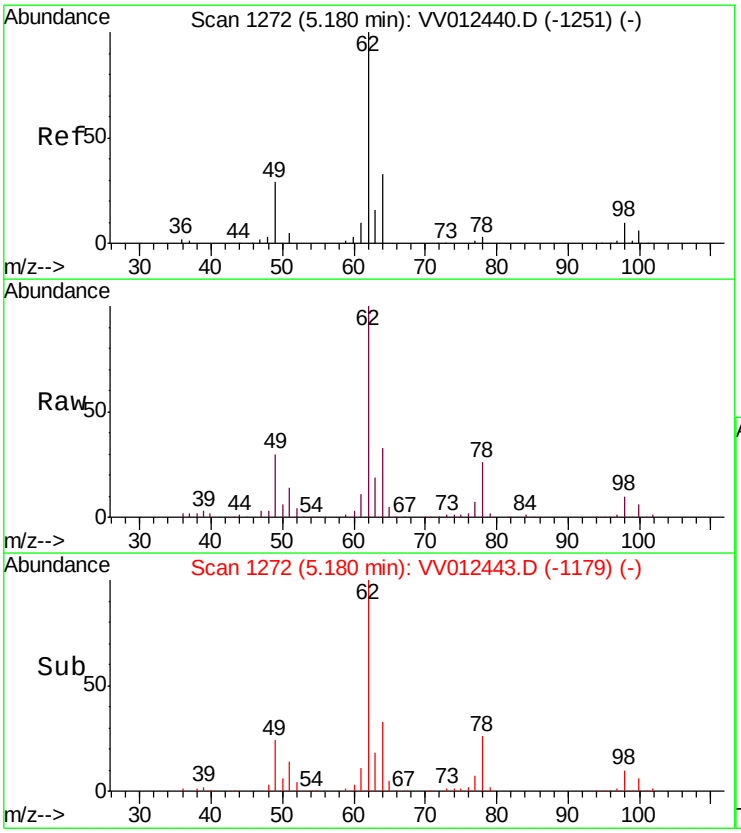
#25
Chloroform
Concen: 4.592 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV012443.D
Acq: 29 Aug 2019 21:03

Instrument :
MSVOA_V
ClientSampleId :
VICV34

Tgt Ion: 83 Resp: 220218

Ion	Ratio	Lower	Upper
83	100		
85	63.8	45.4	84.4

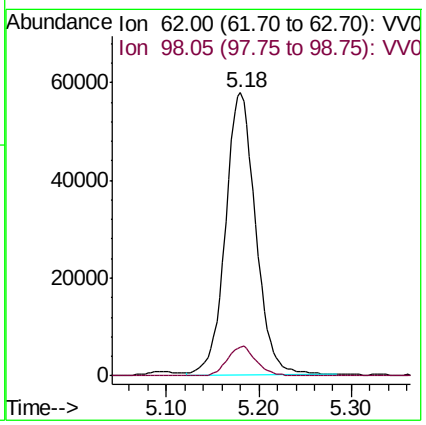


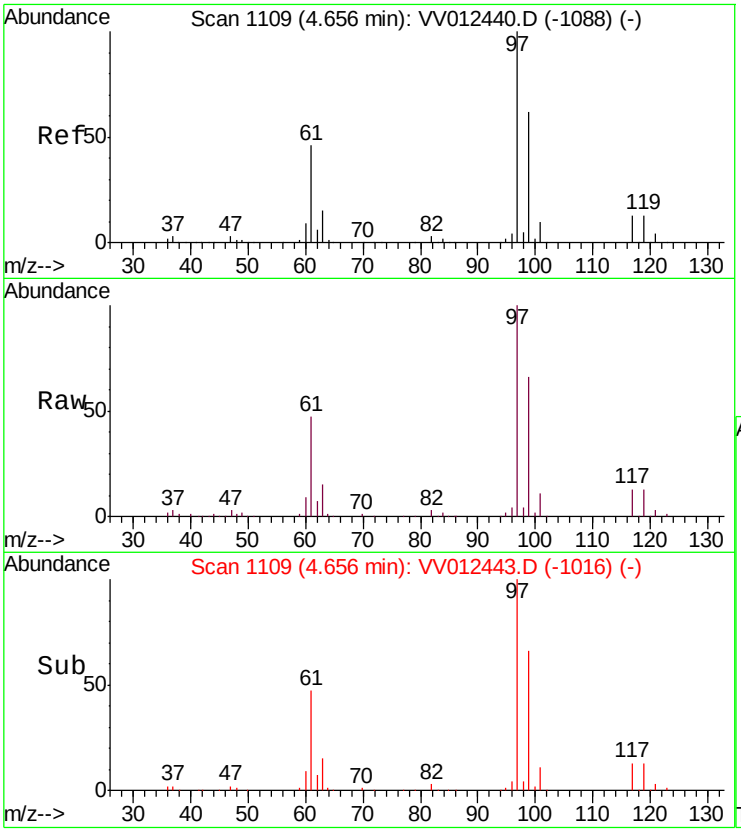


#27
1,2-Dichloroethane
Concen: 4.868 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VV012443.D
Acq: 29 Aug 2019 21:03

Tgt Ion: 62 Resp: 130934

Ion	Ratio	Lower	Upper
62	100		
98	10.1	8.3	12.5



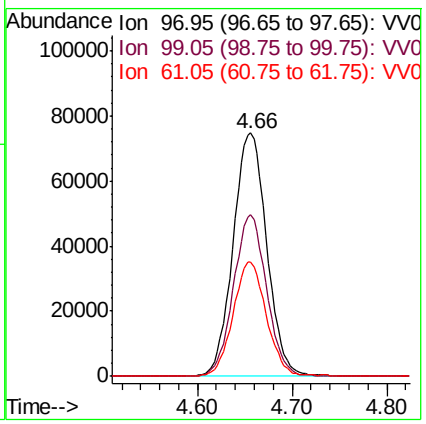


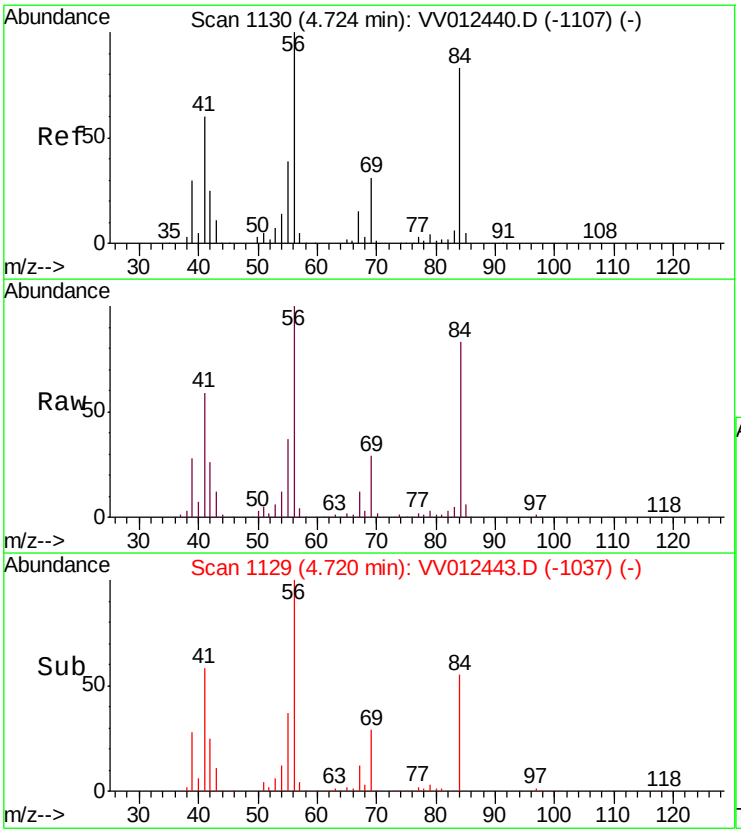
#29
1,1,1-Trichloroethane
Concen: 5.007 ug/L
RT: 4.66 min Scan# 1109
Delta R.T. 0.00 min
Lab File: VV012443.D
Acq: 29 Aug 2019 21:03

Instrument :
MSVOA_V
ClientSampleId :
VICV34

Tgt Ion: 97 Resp: 185340

Ion	Ratio	Lower	Upper
97	100		
99	65.3	49.8	74.6
61	46.4	36.7	55.1

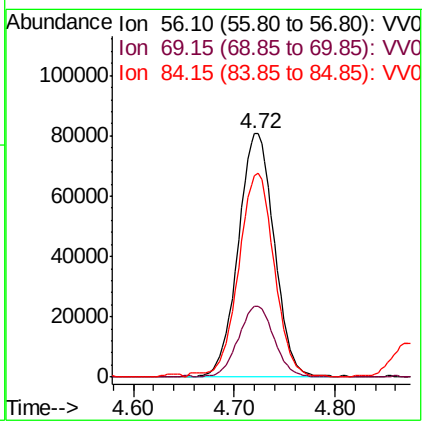


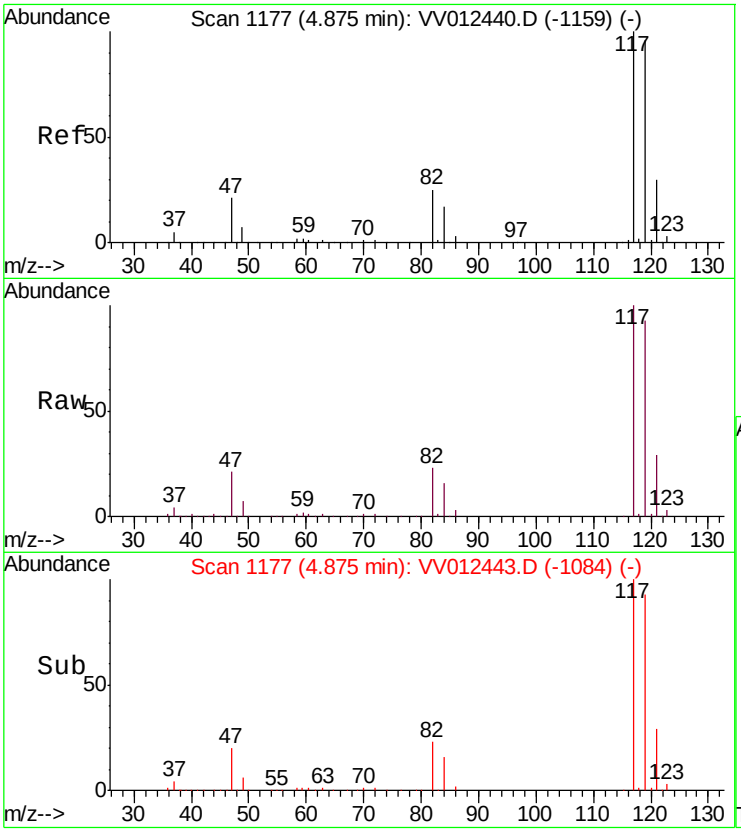


#30
Cyclohexane
Concen: 5.356 ug/L
RT: 4.72 min Scan# 1129
Delta R.T. -0.00 min
Lab File: VV012443.D
Acq: 29 Aug 2019 21:03

Tgt Ion: 56 Resp: 199881

Ion	Ratio	Lower	Upper
56	100		
69	28.4	24.4	36.6
84	82.3	67.8	101.6



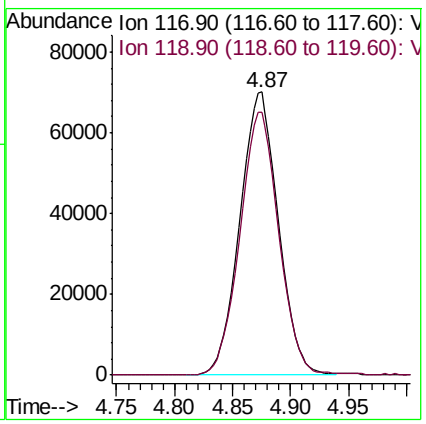


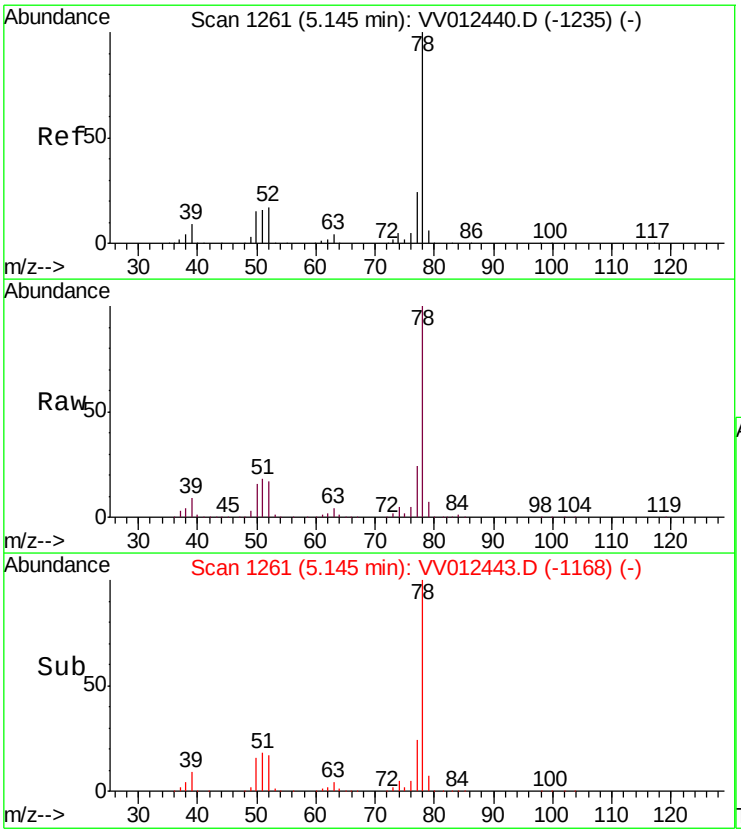
#31
Carbon tetrachloride
Concen: 4.962 ug/L
RT: 4.87 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VV012443.D
Acq: 29 Aug 2019 21:03

Instrument :
MSVOA_V
ClientSampleId :
VICV34

Tgt Ion:117 Resp: 161602

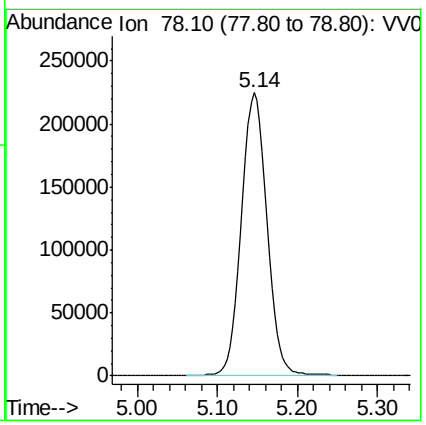
Ion	Ratio	Lower	Upper
117	100		
119	94.0	77.8	116.8

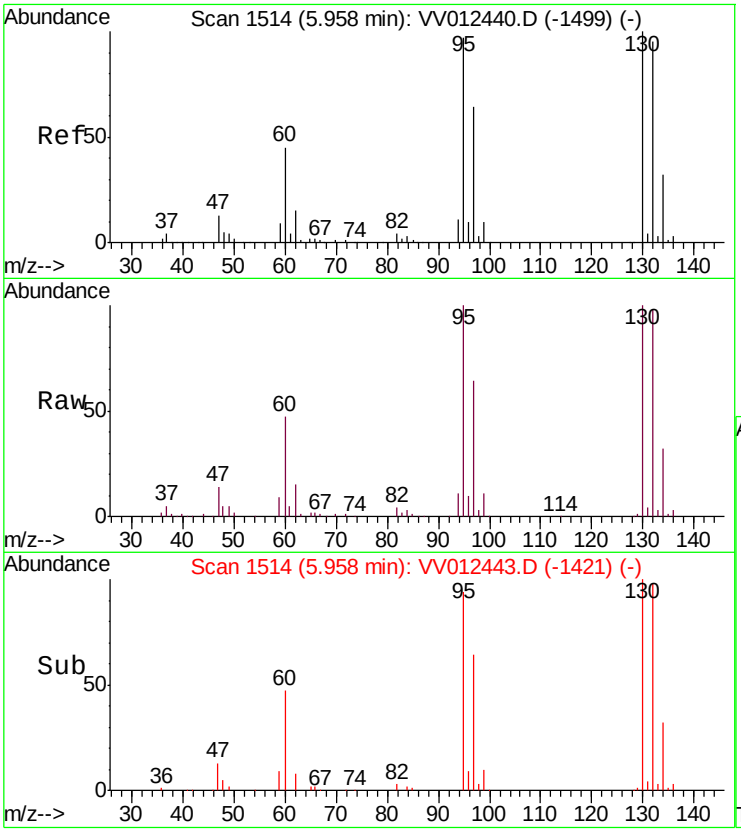




#33
Benzene
Concen: 5.141 ug/L
RT: 5.14 min Scan# 1261
Delta R.T. 0.00 min
Lab File: VV012443.D
Acq: 29 Aug 2019 21:03

Tgt Ion: 78 Resp: 486386



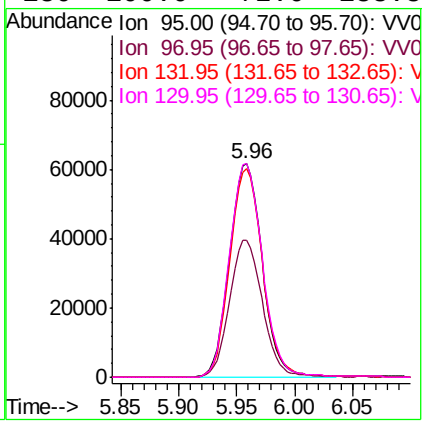


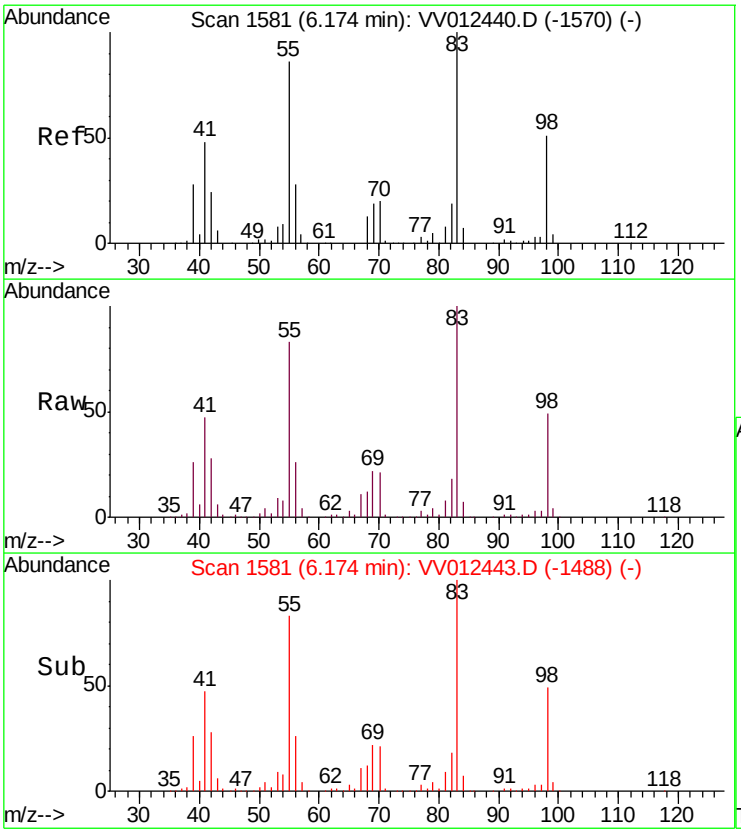
#34
Trichloroethene
Concen: 5.009 ug/L
RT: 5.96 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VV012443.D
Acq: 29 Aug 2019 21:03

Instrument :
MSVOA_V
ClientSampleId :
VICV34

Tgt Ion: 95 Resp: 120744

Ion	Ratio	Lower	Upper
95	100		
97	64.3	45.8	85.2
132	97.5	68.3	126.9
130	100.0	72.0	133.8





#35
Methylcyclohexane
Concen: 5.341 ug/L
RT: 6.17 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VV012443.D
Acq: 29 Aug 2019 21:03

Tgt Ion: 83 Resp: 195869

Ion	Ratio	Lower	Upper
83	100		
55	82.5	67.8	101.6
98	48.0	39.2	58.8