Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU022219\

Quantitation Report (Not Reviewed)

Data File : VU029619.D
Acq On : 22 Feb 2019 14:35
Operator : JC/SP
Sample : K1581-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB5Y8

Quant Time: Feb 22 22:18:29 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Feb 22 22:13:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	482886	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	474414	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	253968	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.40	65	136353	38.53	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 77.06%			
7) Chloroethane-d5	1.67	69	124873	39.70	ug/L	-0.01
Spiked Amount 50.000	Range 70 - 130		Recovery = 79.40%			
11) 1,1-Dichloroethene-d2	2.27	63	301543	43.60	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 87.20%			
21) 2-Butanone-d5	4.18	46	211626	98.28	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 98.28%			
24) Chloroform-d	4.64	84	268886	46.85	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 93.70%			
26) 1,2-Dichloroethane-d4	5.31	65	169118	46.54	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 93.08%			
32) Benzene-d6	5.34	84	542145	45.41	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 90.82%			
36) 1,2-Dichloropropane-d6	6.32	67	172831	48.12	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 96.24%			
41) Toluene-d8	7.56	98	518684	42.58	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 85.16%			
43) trans-1,3-Dichloropropene-	7.85	79	84075	44.13	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 88.26%			
47) 2-Hexanone-d5	8.31	63	190105	95.05	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 95.05%			
57) 1,1,2,2-Tetrachloroethane-	10.43	84	286716	47.25	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 94.50%			
64) 1,2-Dichlorobenzene-d4	11.86	152	240952	44.02	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 88.04%			

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	97215	29.361	ug/L	99
3) Chloromethane	1.32	50	80454	27.699	ug/L	99
5) Vinyl chloride	1.40	62	217078	55.030	ug/L	100
6) Bromomethane	1.61	94	40929	22.734	ug/L	99
8) Chloroethane	1.68	64	67761	25.826	ug/L	96
9) Trichlorofluoromethane	1.88	101	251121	39.935	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	68221	20.282	ug/L	99
12) 1,1-Dichloroethene	2.28	96	200825	62.802	ug/L	83
13) Acetone	2.32	43	1697	0.738	ug/L	67
16) Methylene chloride	2.70	84	137777	44.526	ug/L	99
17) trans-1,2-Dichloroethene	2.98	96	63003	21.346	ug/L	100
19) 1,1-Dichloroethane	3.44	63	345692	67.736	ug/L	100
20) cis-1,2-Dichloroethene	4.22	96	145082	42.304	ug/L	98
23) Bromochloromethane	4.54	128	76954	40.932	ug/L	94
25) Chloroform	4.67	83	342248	60.106	ug/L	99
27) 1,2-Dichloroethane	5.40	62	310798	70.993	ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	100848	20.048	ug/L	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU022219\

Quantitation Report (Not Reviewed)

Data File : VU029619.D
Acq On : 22 Feb 2019 14:35
Operator : JC/SP
Sample : K1581-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB5Y8

Quant Time: Feb 22 22:18:29 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Feb 22 22:13:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
31) Carbon tetrachloride	5.13	117	266940	58.631	ug/L	99
33) Benzene	5.39	78	589622	48.476	ug/L	100
34) Trichloroethene	6.18	95	280120	85.490	ug/L	96
37) 1,2-Dichloropropane	6.43	63	130809	40.969	ug/L	99
38) Bromodichloromethane	6.75	83	85610	19.889	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	128641	24.972	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	231755	47.736	ug/L	98
45) 1,1,2-Trichloroethane	8.06	97	87336	25.663	ug/L	97
46) Tetrachloroethene	8.22	164	217010	67.665	ug/L	99
49) Dibromochloromethane	8.47	129	152748	37.023	ug/L	97
50) 1,2-Dibromoethane	8.58	107	114293	30.312	ug/L	97
58) 1,1,2,2-Tetrachloroethane	10.45	83	227374	37.782	ug/L	98
59) 1,2,3-Trichloropropane	11.48	75	26022	5.716	ug/L	93
61) Bromoform	9.95	173	154864	45.280	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	50196	38.162	ug/L	90

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

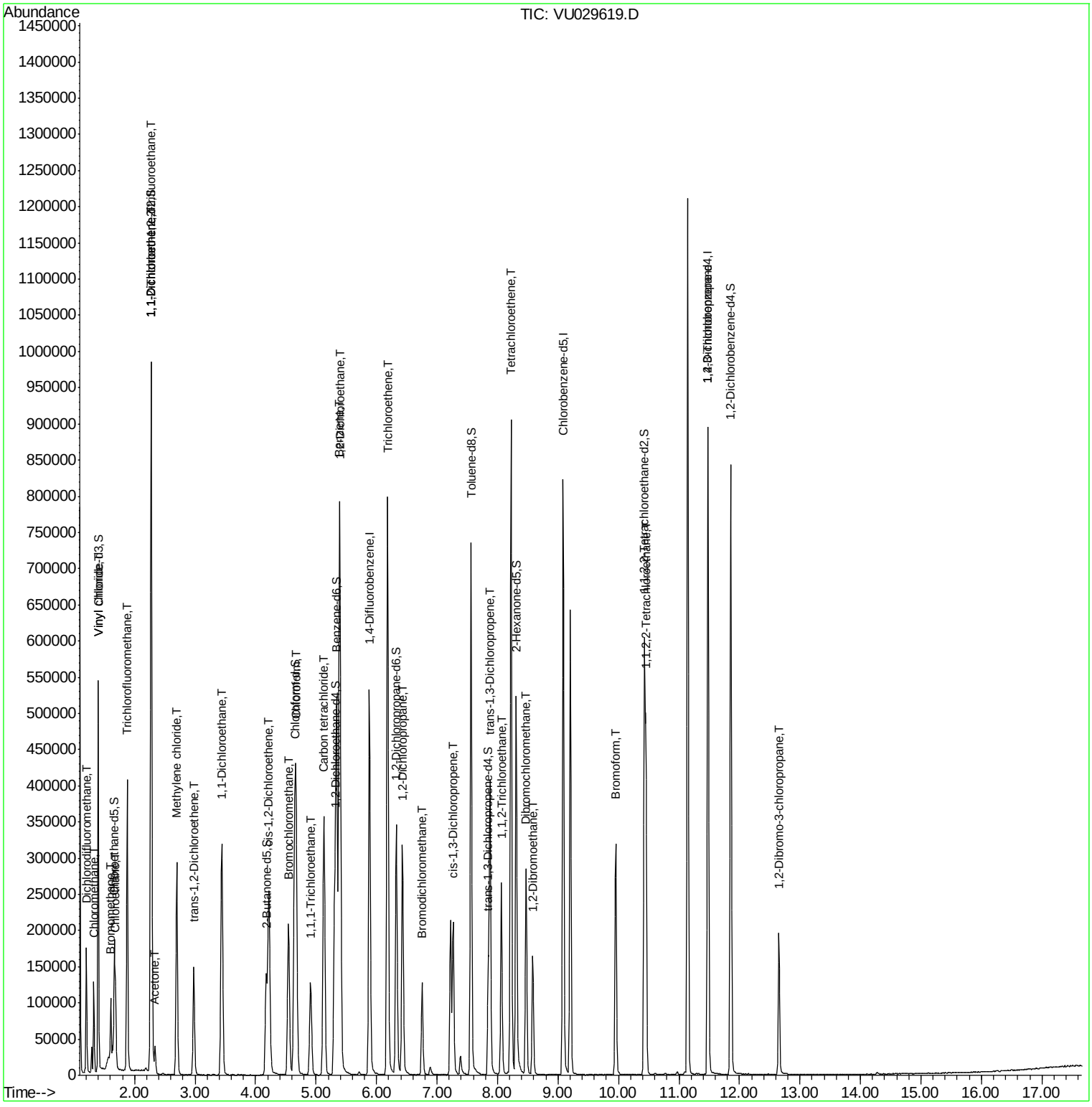
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU022219\

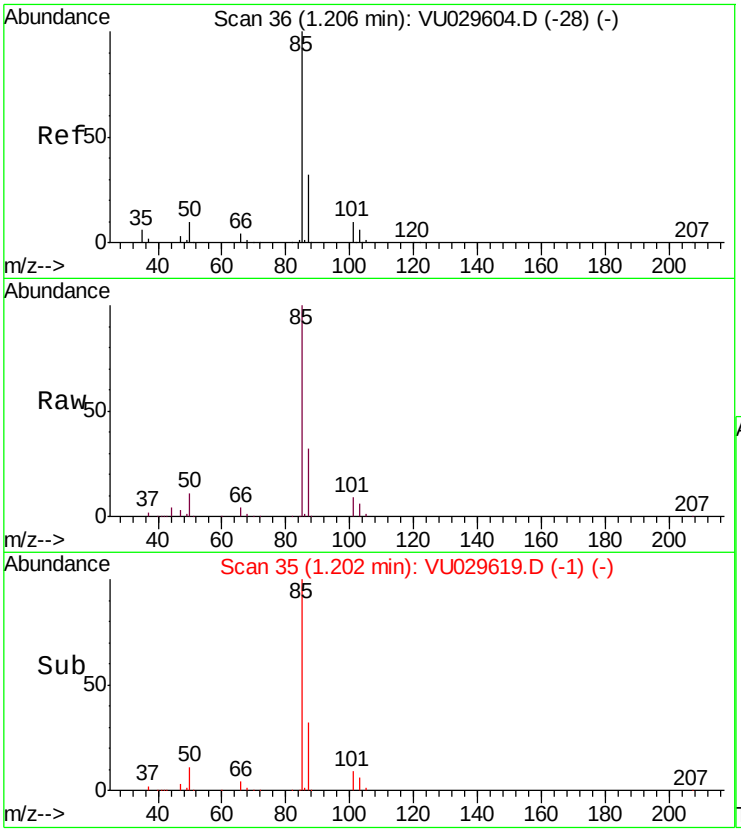
Quantitation Report (Not Reviewed)

Data File : VU029619.D
Acq On : 22 Feb 2019 14:35
Operator : JC/SP
Sample : K1581-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DB5Y8

Quant Time: Feb 22 22:18:29 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Feb 22 22:13:56 2019
Response via : Initial Calibration



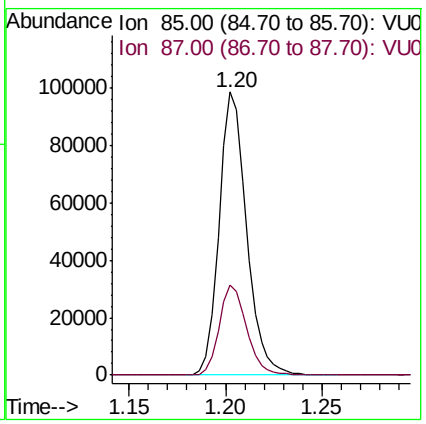


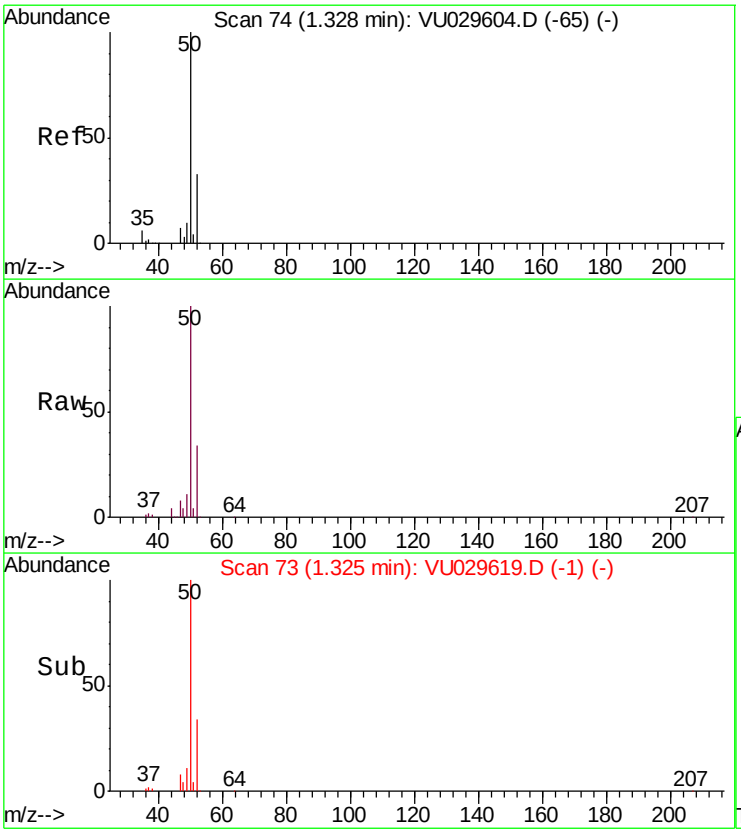
#2
Dichlorodifluoromethane
Concen: 29.361 ug/L
RT: 1.20 min Scan# 35
Delta R.T. -0.00 min
Lab File: VU029619.D
Acq: 22 Feb 2019 14:35

Instrument : MSVOA_U
ClientSampleId : DB5Y8

Tgt Ion: 85 Resp: 97215

Ion	Ratio	Lower	Upper
85	100		
87	31.8	25.9	38.9

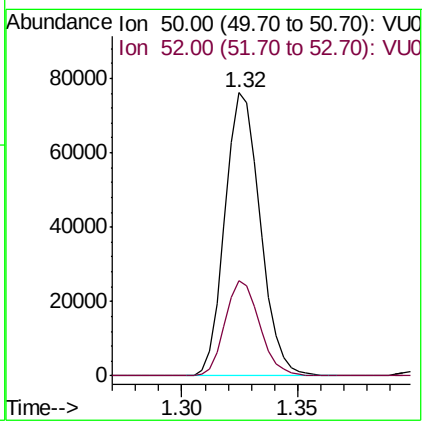


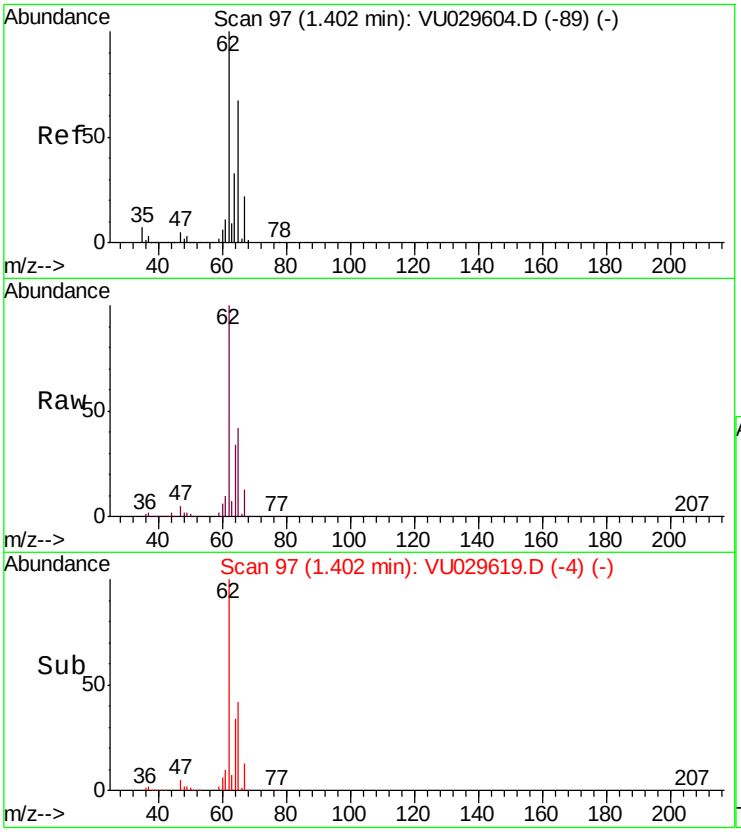


#3
Chloromethane
Concen: 27.699 ug/L
RT: 1.32 min Scan# 73
Delta R.T. -0.00 min
Lab File: VU029619.D
Acq: 22 Feb 2019 14:35

Tgt Ion: 50 Resp: 80454

Ion	Ratio	Lower	Upper
50	100		
52	33.6	23.9	44.3



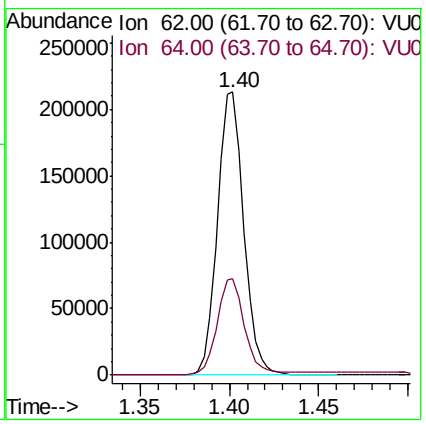


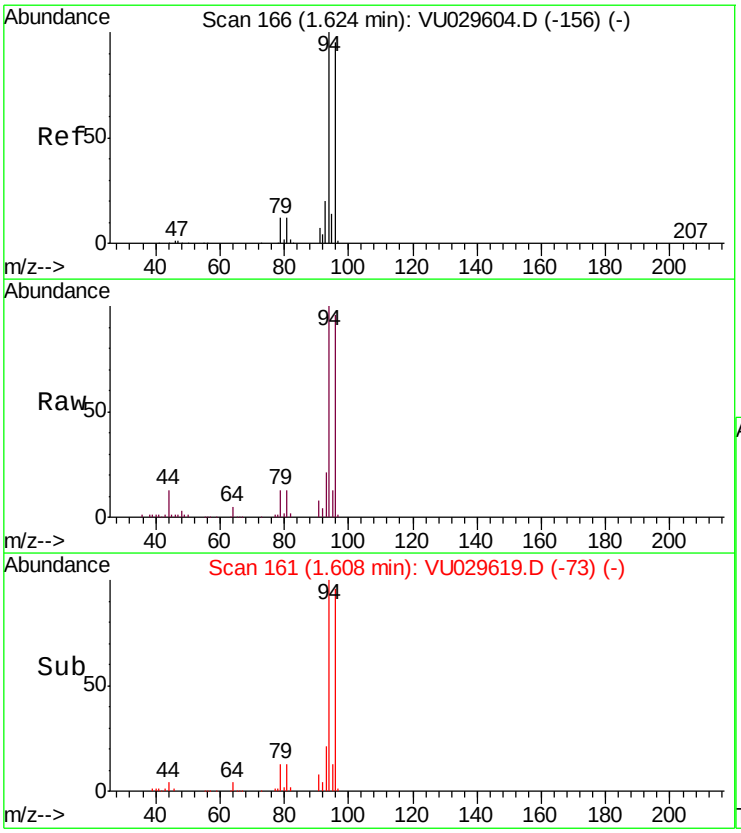
#5
Vinyl chloride
Concen: 55.030 ug/L
RT: 1.40 min Scan# 97
Delta R.T. -0.00 min
Lab File: VU029619.D
Acq: 22 Feb 2019 14:35

Instrument :
MSVOA_U
ClientSampleId :
DB5Y8

Tgt Ion: 62 Resp: 217078

Ion	Ratio	Lower	Upper
62	100		
64	34.1	23.7	43.9

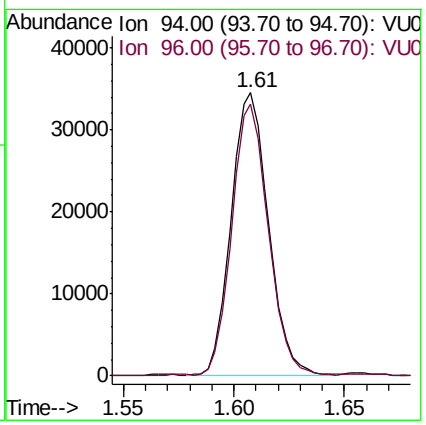


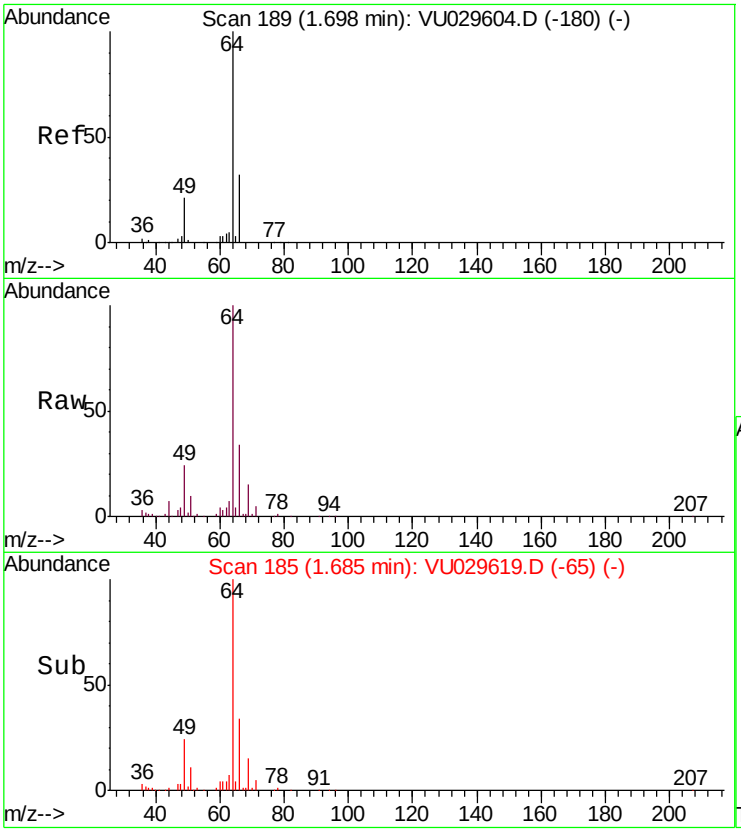


#6
Bromomethane
Concen: 22.734 ug/L
RT: 1.61 min Scan# 161
Delta R.T. -0.02 min
Lab File: VU029619.D
Acq: 22 Feb 2019 14:35

Tgt Ion: 94 Resp: 40929

Ion	Ratio	Lower	Upper
94	100		
96	96.0	66.4	123.2



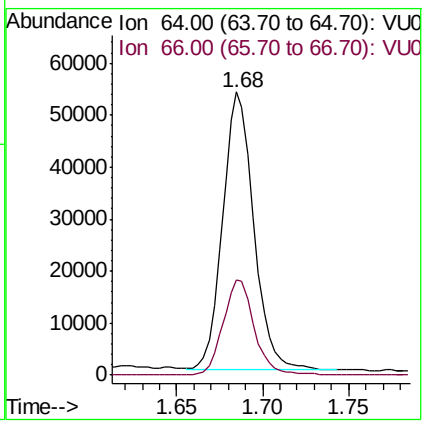


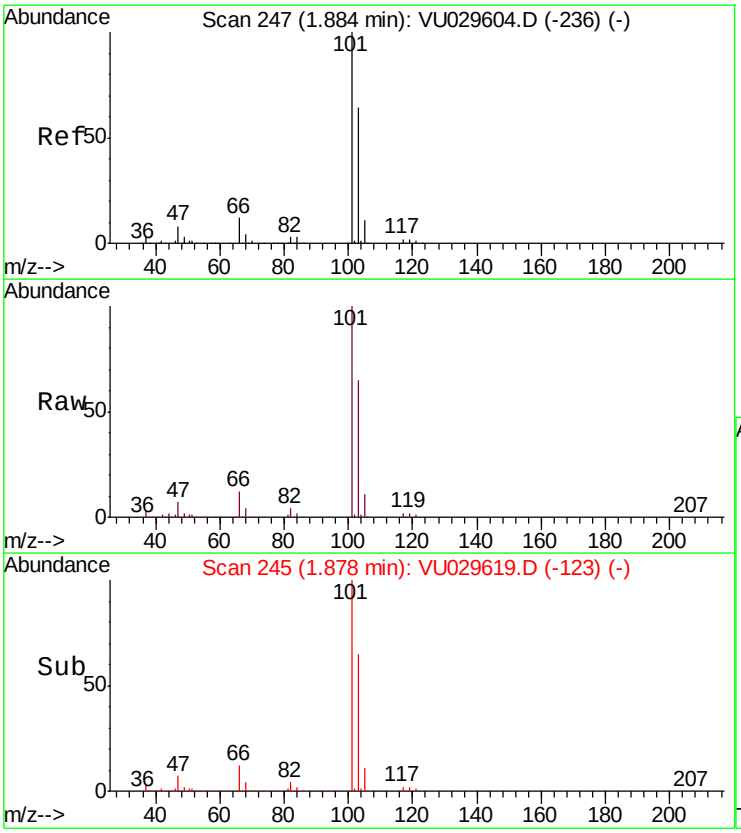
#8
Chloroethane
Concen: 25.826 ug/L
RT: 1.68 min Scan# 185
Delta R.T. -0.01 min
Lab File: VU029619.D
Acq: 22 Feb 2019 14:35

Instrument : MSVOA_U
ClientSampleId : DB5Y8

Tgt Ion: 64 Resp: 67761

Ion	Ratio	Lower	Upper
64	100		
66	33.8	22.0	41.0

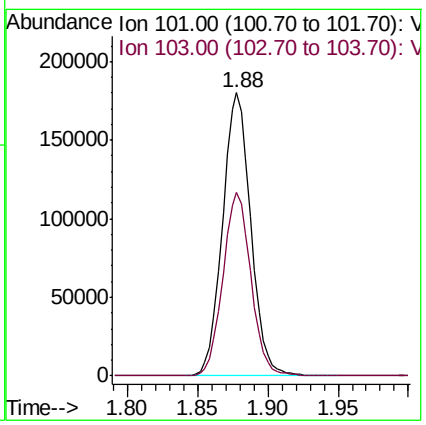


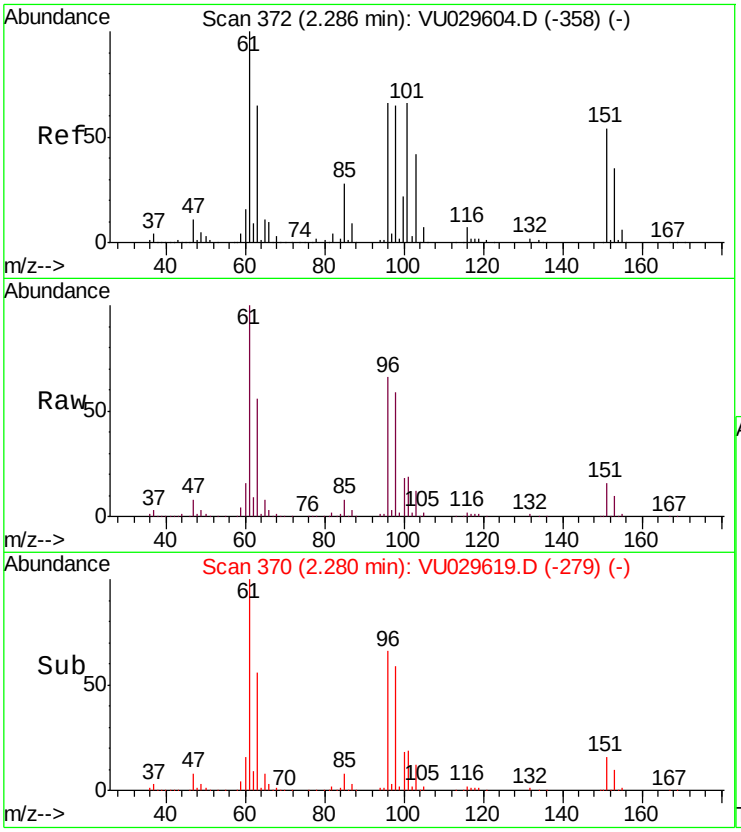


#9
Trichlorofluoromethane
Concen: 39.935 ug/L
RT: 1.88 min Scan# 245
Delta R.T. -0.01 min
Lab File: VU029619.D
Acq: 22 Feb 2019 14:35

Tgt Ion:101 Resp: 251121

Ion	Ratio	Lower	Upper
101	100		
103	64.4	51.4	77.2



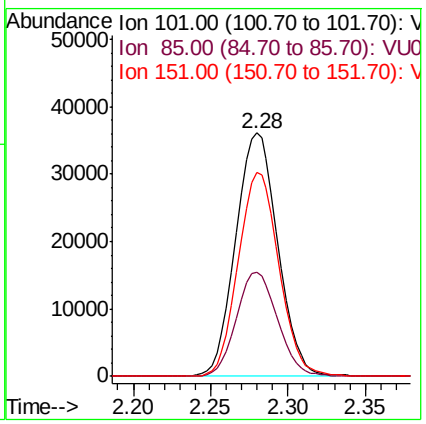


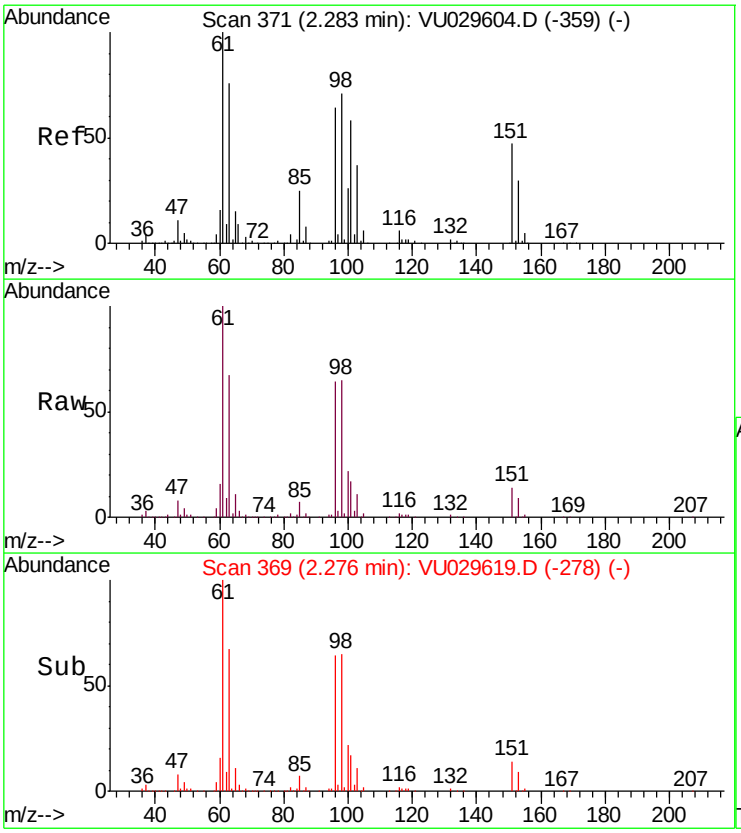
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 20.282 ug/L
RT: 2.28 min Scan# 370
Delta R.T. -0.01 min
Lab File: VU029619.D
Acq: 22 Feb 2019 14:35

Instrument :
MSVOA_U
ClientSampleId :
DB5Y8

Tgt Ion:101 Resp: 68221

Ion	Ratio	Lower	Upper
101	100		
85	41.8	33.0	49.6
151	81.3	65.7	98.5

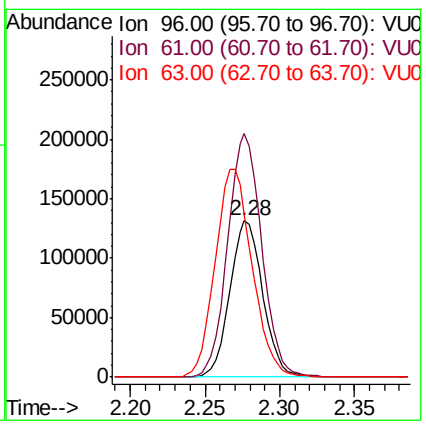


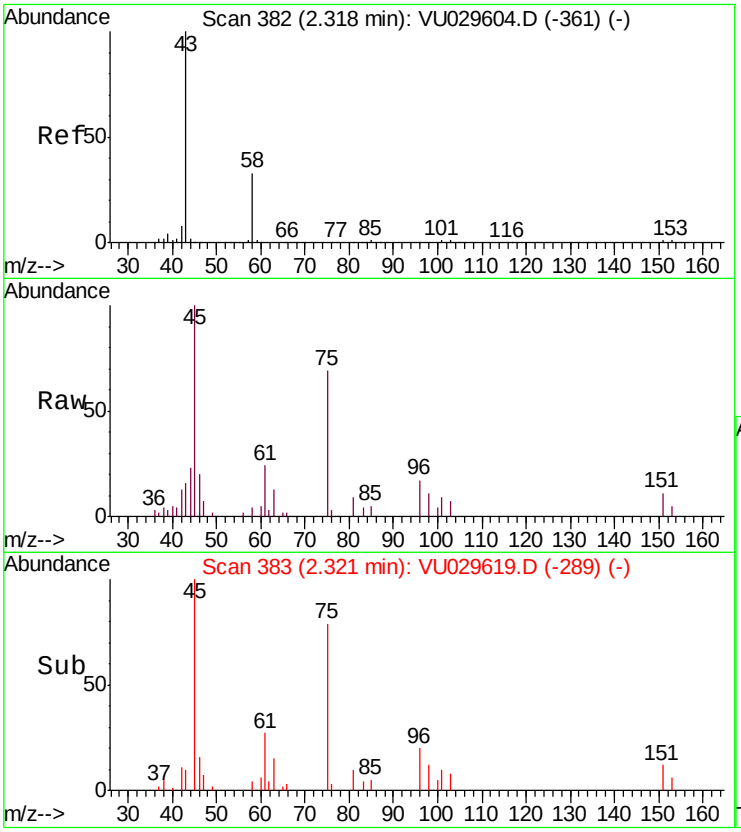


#12
1,1-Dichloroethene
Concen: 62.802 ug/L
RT: 2.28 min Scan# 369
Delta R.T. -0.01 min
Lab File: VU029619.D
Acq: 22 Feb 2019 14:35

Tgt Ion: 96 Resp: 200825

Ion	Ratio	Lower	Upper
96	100		
61	155.5	114.0	211.8
63	104.1	98.7	183.3



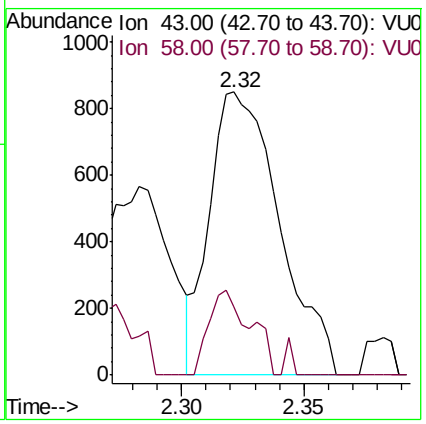


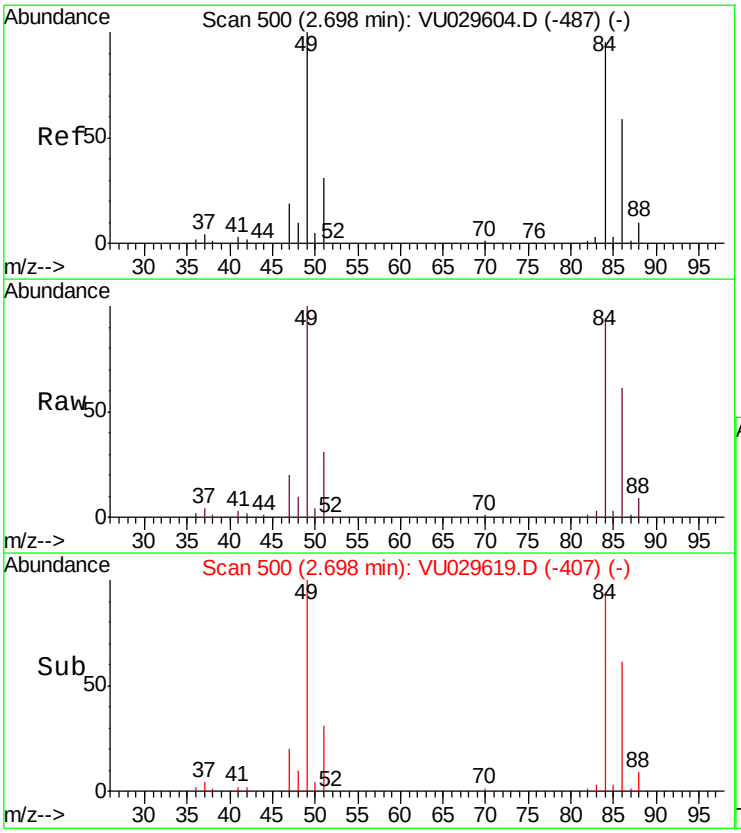
#13
Acetone
Concen: 0.738 ug/L
RT: 2.32 min Scan# 383
Delta R.T. 0.00 min
Lab File: VU029619.D
Acq: 22 Feb 2019 14:35

Instrument :
MSVOA_U
ClientSampleId :
DB5Y8

Tgt Ion: 43 Resp: 1697

Ion	Ratio	Lower	Upper
43	100		
58	14.4	0.0	66.8

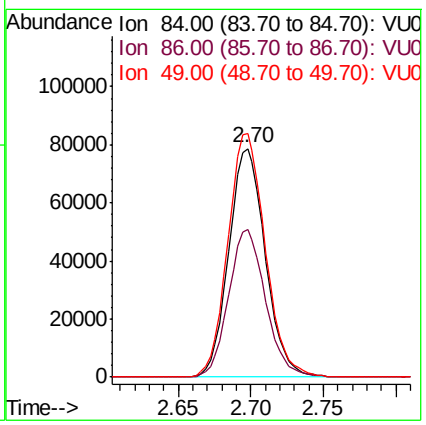


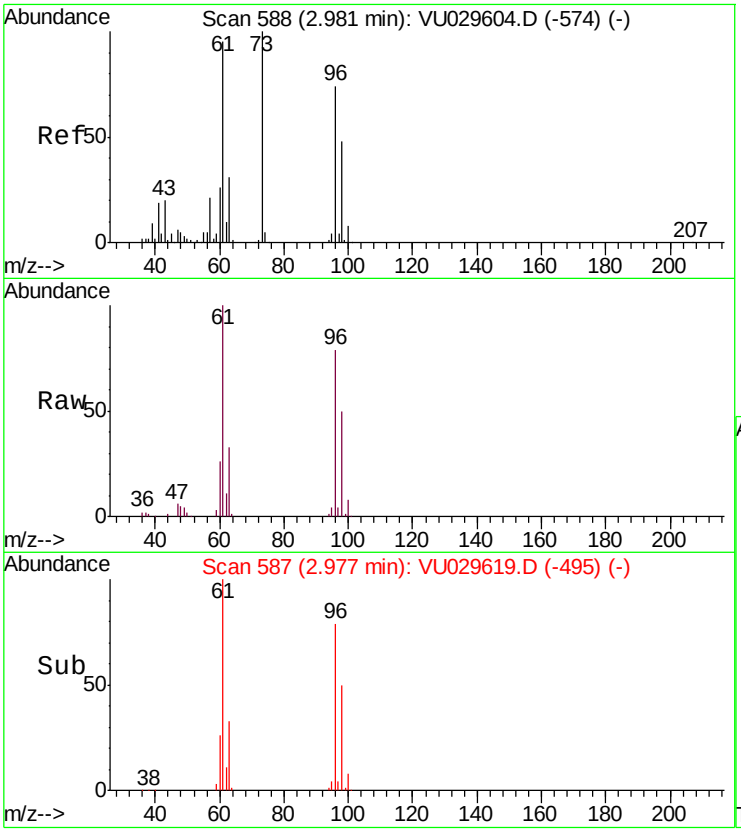


#16
Methylene chloride
Concen: 44.526 ug/L
RT: 2.70 min Scan# 500
Delta R.T. -0.00 min
Lab File: VU029619.D
Acq: 22 Feb 2019 14:35

Tgt Ion: 84 Resp: 137777

Ion	Ratio	Lower	Upper
84	100		
86	64.6	45.8	85.0
49	106.4	75.1	139.5



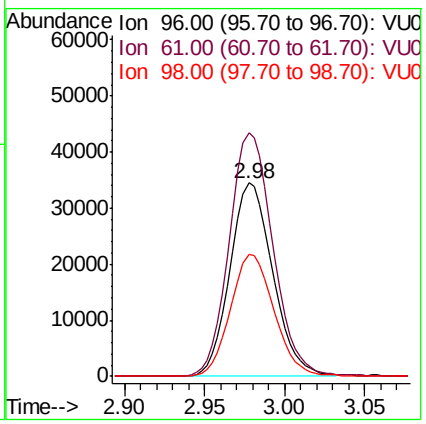


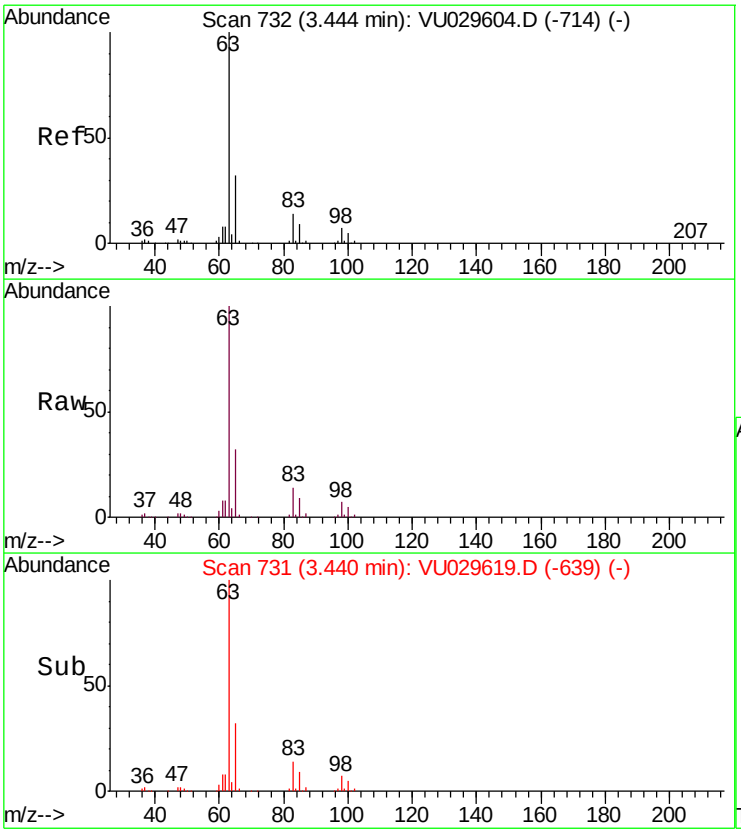
#17
trans-1,2-Dichloroethene
Concen: 21.346 ug/L
RT: 2.98 min Scan# 587
Delta R.T. -0.00 min
Lab File: VU029619.D
Acq: 22 Feb 2019 14:35

Instrument :
MSVOA_U
ClientSampleId :
DB5Y8

Tgt Ion: 96 Resp: 63003

Ion	Ratio	Lower	Upper
96	100		
61	125.8	88.3	163.9
98	63.2	44.8	83.2

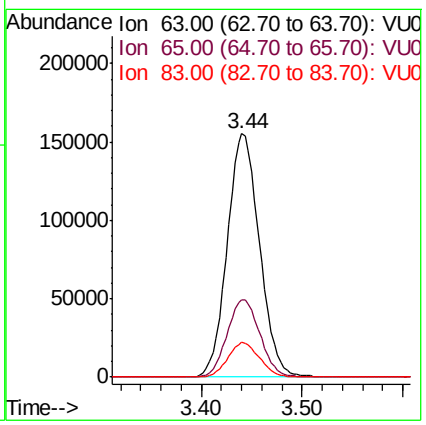


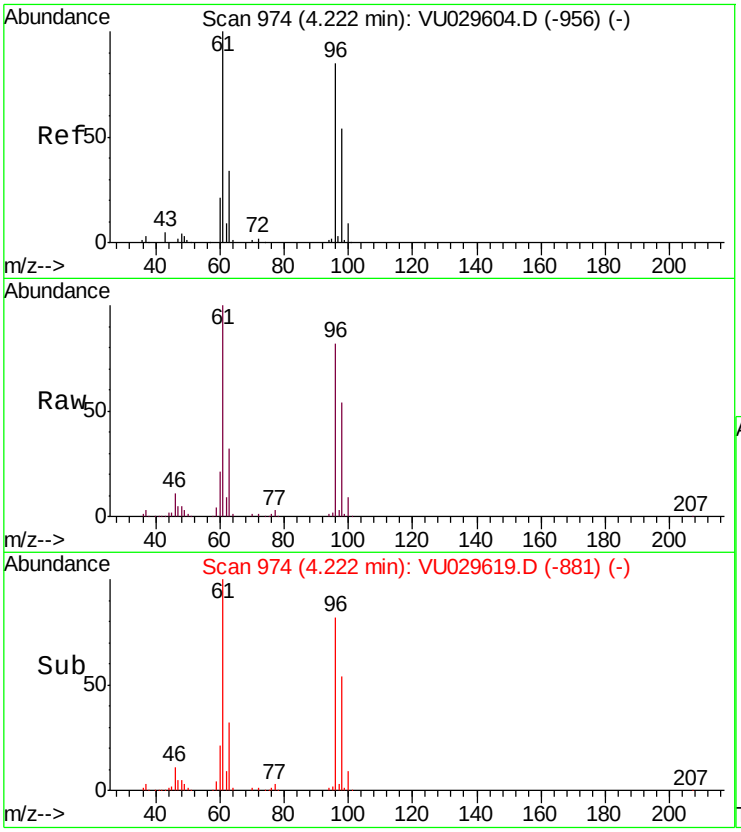


#19
1,1-Dichloroethane
Concen: 67.736 ug/L
RT: 3.44 min Scan# 731
Delta R.T. -0.00 min
Lab File: VU029619.D
Acq: 22 Feb 2019 14:35

Tgt Ion: 63 Resp: 345692

Ion	Ratio	Lower	Upper
63	100		
65	31.7	22.3	41.3
83	14.2	9.9	18.3



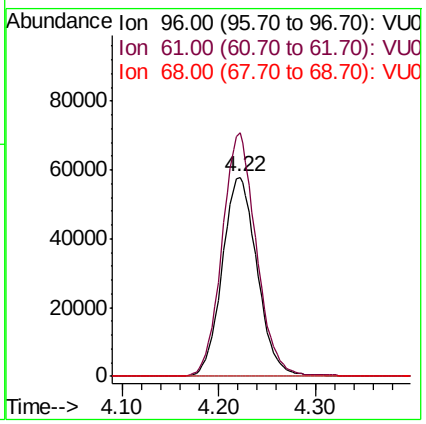


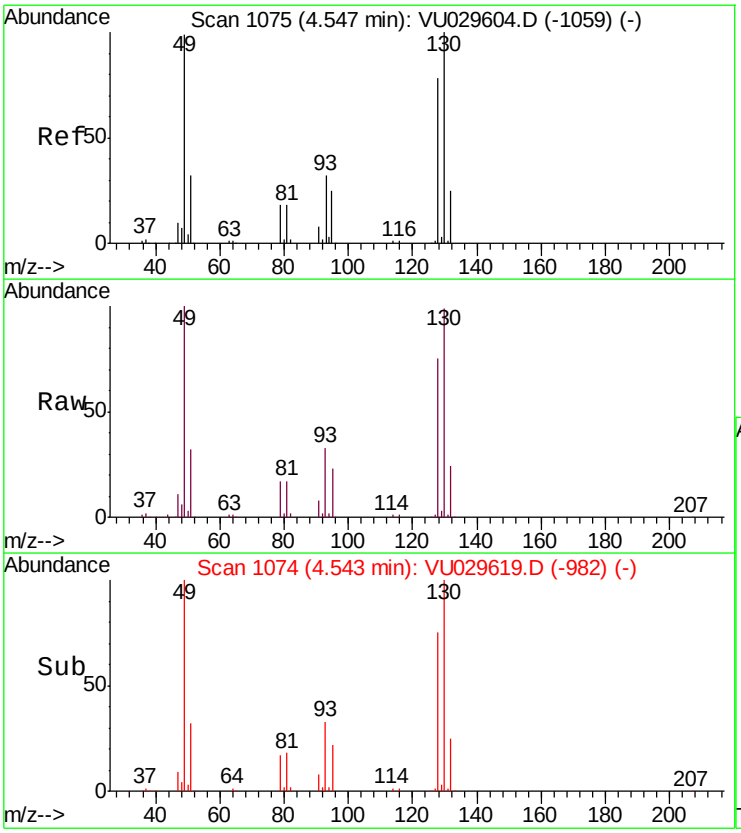
#20
cis-1,2-Dichloroethene
Concen: 42.304 ug/L
RT: 4.22 min Scan# 974
Delta R.T. -0.00 min
Lab File: VU029619.D
Acq: 22 Feb 2019 14:35

Instrument :
MSVOA_U
ClientSampleId :
DB5Y8

Tgt Ion: 96 Resp: 145082

Ion	Ratio	Lower	Upper
96	100		
61	122.2	83.9	155.7
68	0.0	0.0	0.0

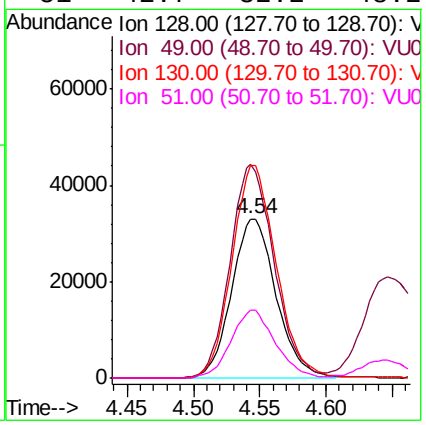


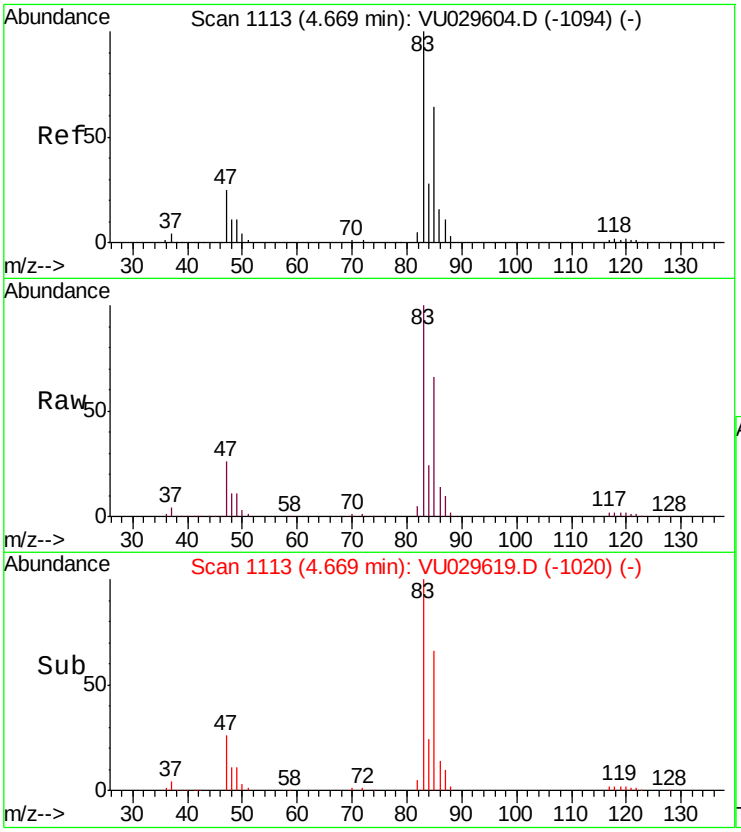


#23
Bromochloromethane
Concen: 40.932 ug/L
RT: 4.54 min Scan# 1074
Delta R.T. -0.00 min
Lab File: VU029619.D
Acq: 22 Feb 2019 14:35

Tgt Ion:128 Resp: 76954

Ion	Ratio	Lower	Upper
128	100		
49	134.1	85.9	159.5
130	133.1	91.3	169.5
51	42.7	32.2	48.2



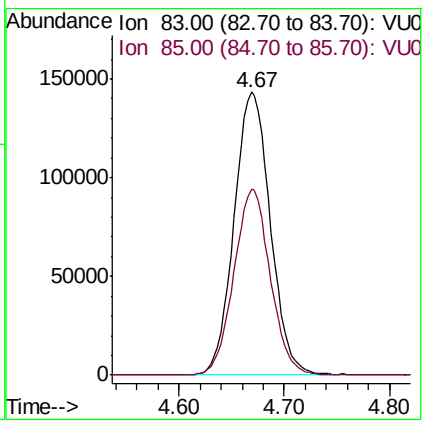


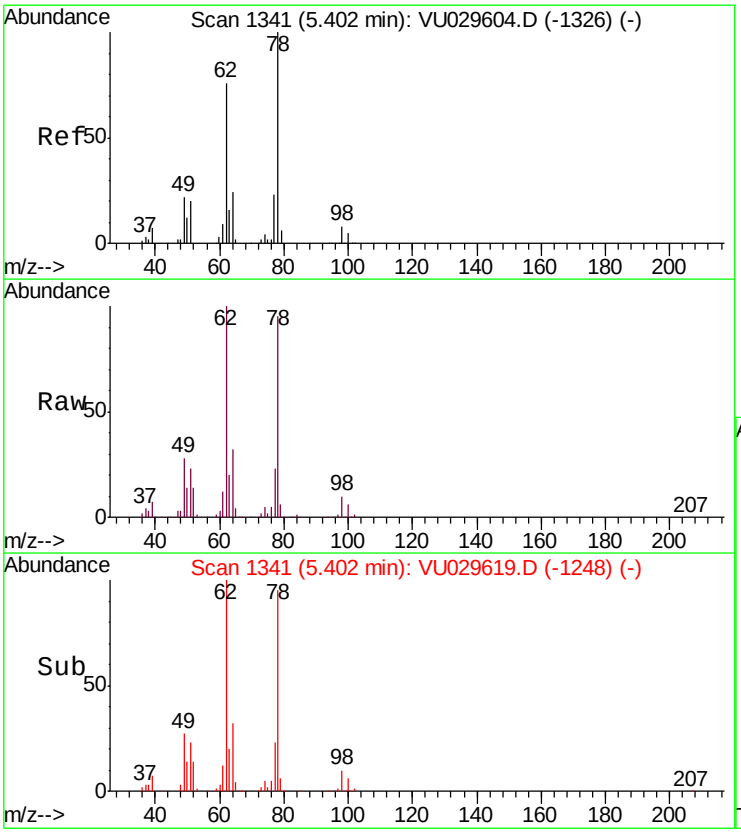
#25
Chloroform
Concen: 60.106 ug/L
RT: 4.67 min Scan# 1113
Delta R.T. -0.00 min
Lab File: VU029619.D
Acq: 22 Feb 2019 14:35

Instrument :
MSVOA_U
ClientSampleId :
DB5Y8

Tgt Ion: 83 Resp: 342248

Ion	Ratio	Lower	Upper
83	100		
85	65.8	45.4	84.2

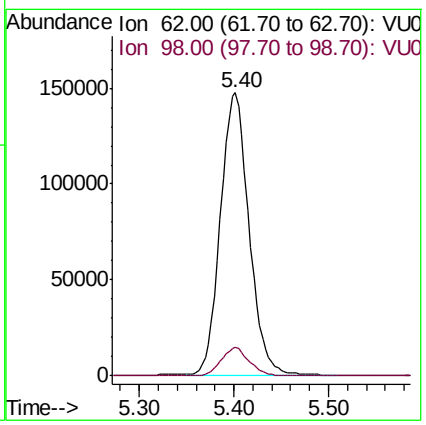


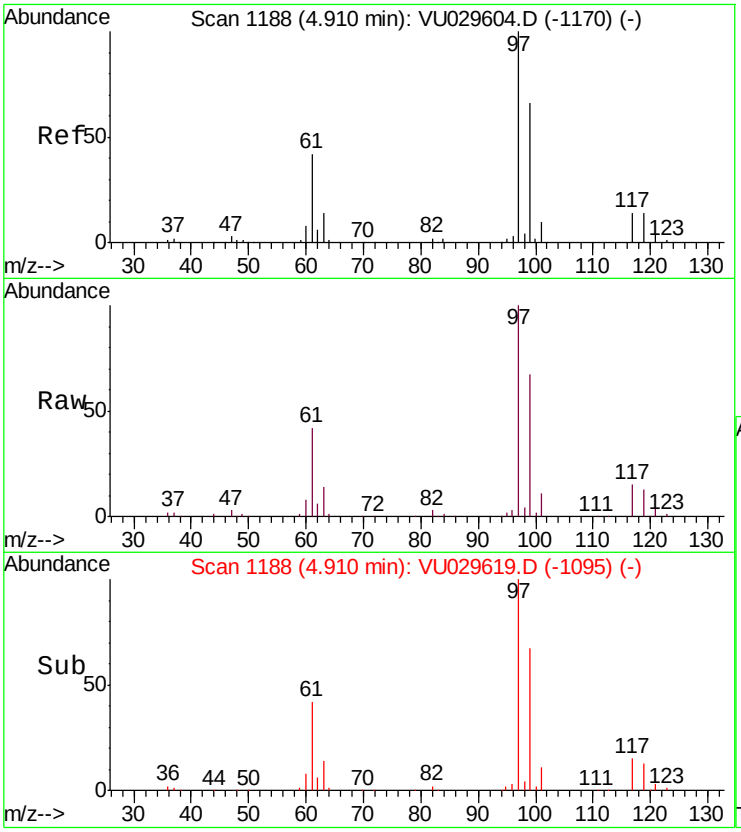


#27
1,2-Dichloroethane
Concen: 70.993 ug/L
RT: 5.40 min Scan# 1341
Delta R.T. -0.00 min
Lab File: VU029619.D
Acq: 22 Feb 2019 14:35

Tgt Ion: 62 Resp: 310798

Ion	Ratio	Lower	Upper
62	100		
98	10.1	7.8	11.8



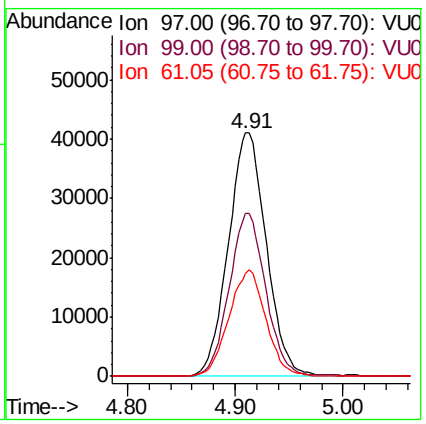


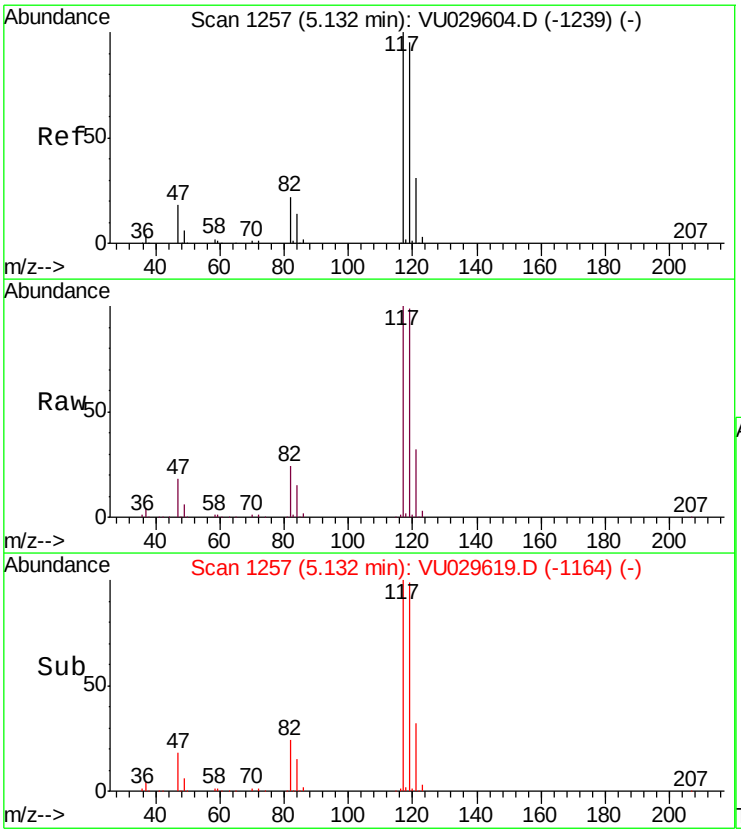
#30
1,1,1-Trichloroethane
Concen: 20.048 ug/L
RT: 4.91 min Scan# 1188
Delta R.T. -0.00 min
Lab File: VU029619.D
Acq: 22 Feb 2019 14:35

Instrument :
MSVOA_U
ClientSampleId :
DB5Y8

Tgt Ion: 97 Resp: 100848

Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.4	77.0
61	42.6	32.3	48.5

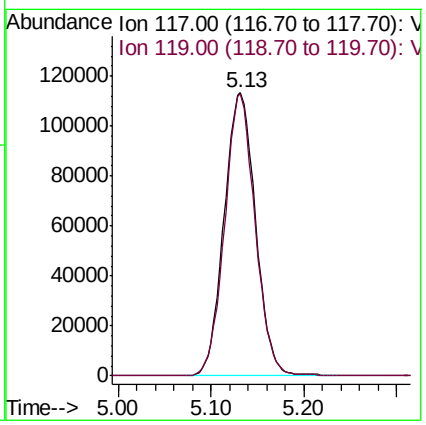


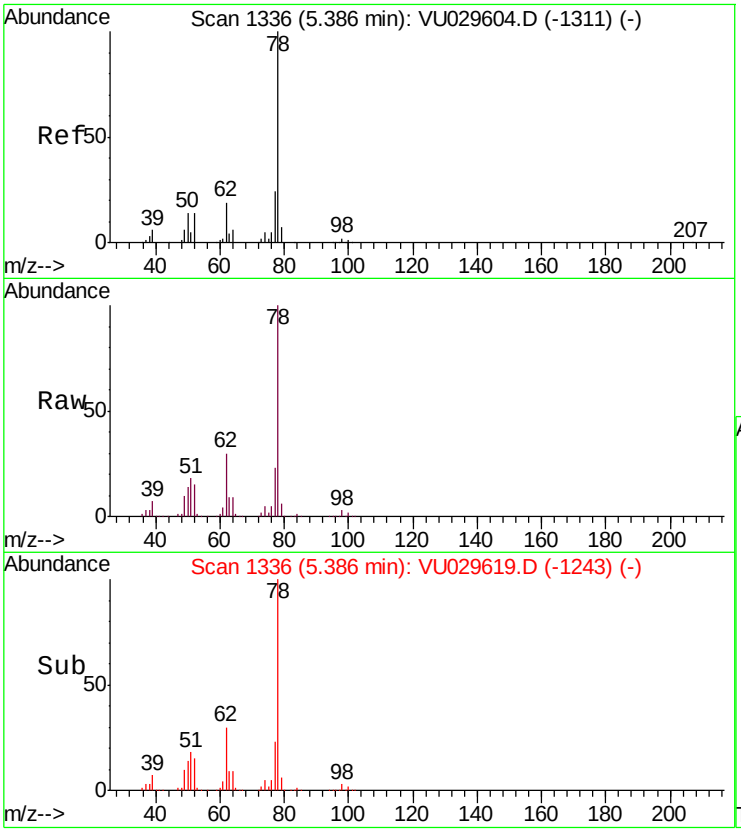


#31
Carbon tetrachloride
Concen: 58.631 ug/L
RT: 5.13 min Scan# 1257
Delta R.T. -0.00 min
Lab File: VU029619.D
Acq: 22 Feb 2019 14:35

Tgt Ion:117 Resp: 266940

Ion	Ratio	Lower	Upper
117	100		
119	96.2	77.8	116.8

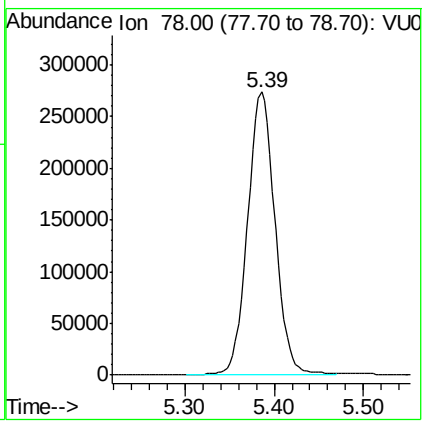


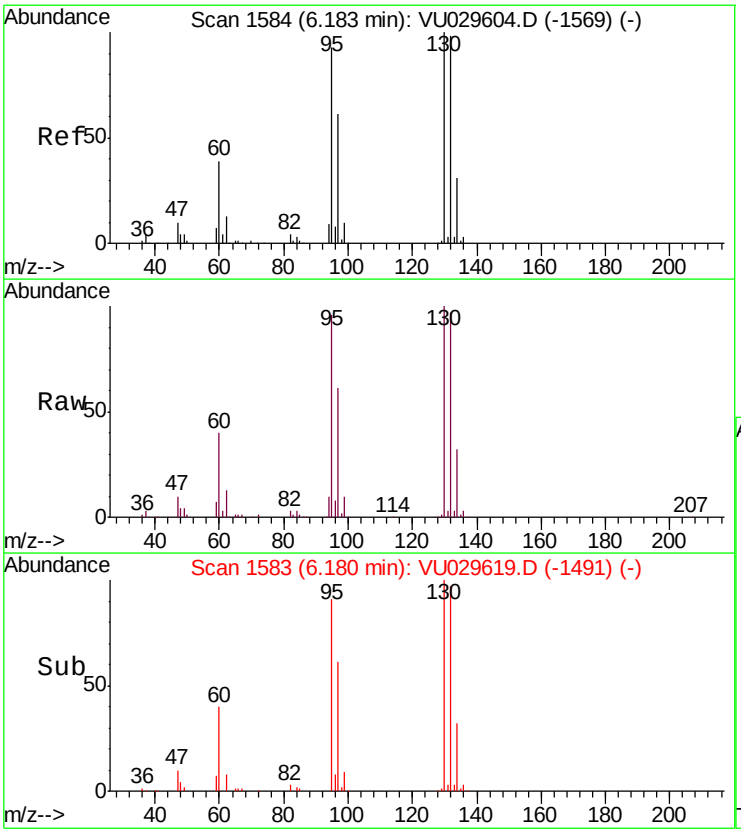


#33
Benzene
Concen: 48.476 ug/L
RT: 5.39 min Scan# 1336
Delta R.T. -0.00 min
Lab File: VU029619.D
Acq: 22 Feb 2019 14:35

Instrument :
MSVOA_U
ClientSampleId :
DB5Y8

Tgt Ion: 78 Resp: 589622

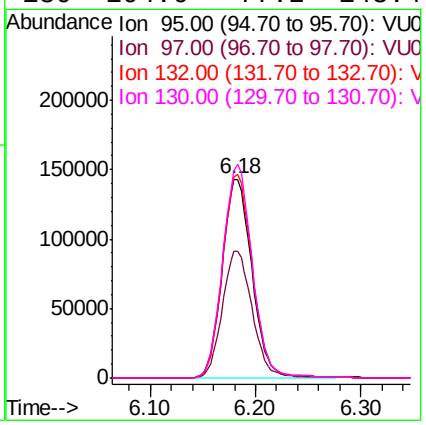


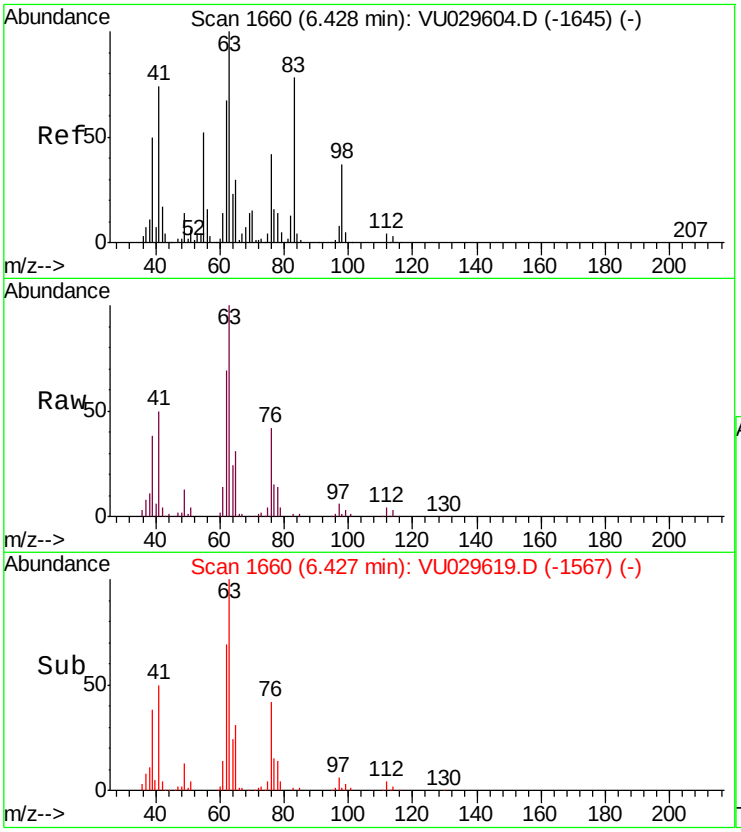


#34
Trichloroethene
Concen: 85.490 ug/L
RT: 6.18 min Scan# 1583
Delta R.T. -0.00 min
Lab File: VU029619.D
Acq: 22 Feb 2019 14:35

Tgt Ion: 95 Resp: 280120

Ion	Ratio	Lower	Upper
95	100		
97	63.8	44.6	82.8
132	101.1	74.6	138.6
130	104.6	77.2	143.4



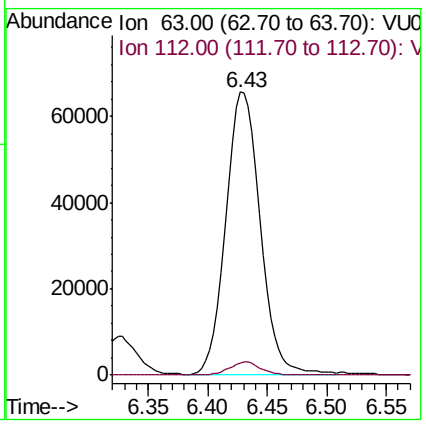


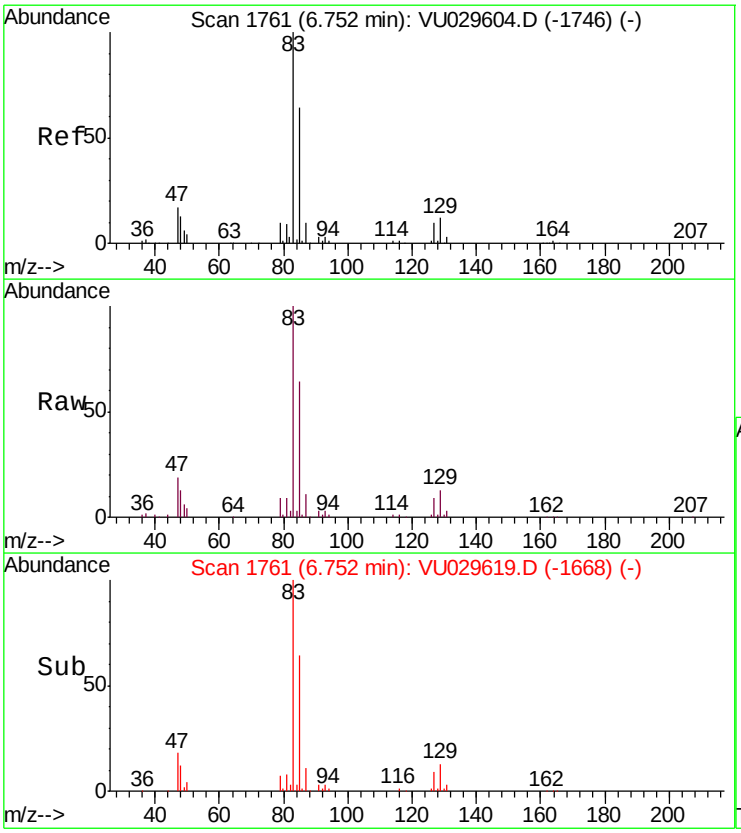
#37
1,2-Dichloropropane
Concen: 40.969 ug/L
RT: 6.43 min Scan# 1660
Delta R.T. -0.00 min
Lab File: VU029619.D
Acq: 22 Feb 2019 14:35

Instrument : MSVOA_U
ClientSampleId : DB5Y8

Tgt Ion: 63 Resp: 130809

Ion	Ratio	Lower	Upper
63	100		
112	4.3	3.6	5.4

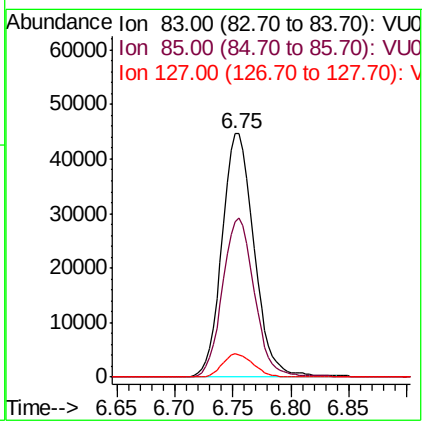


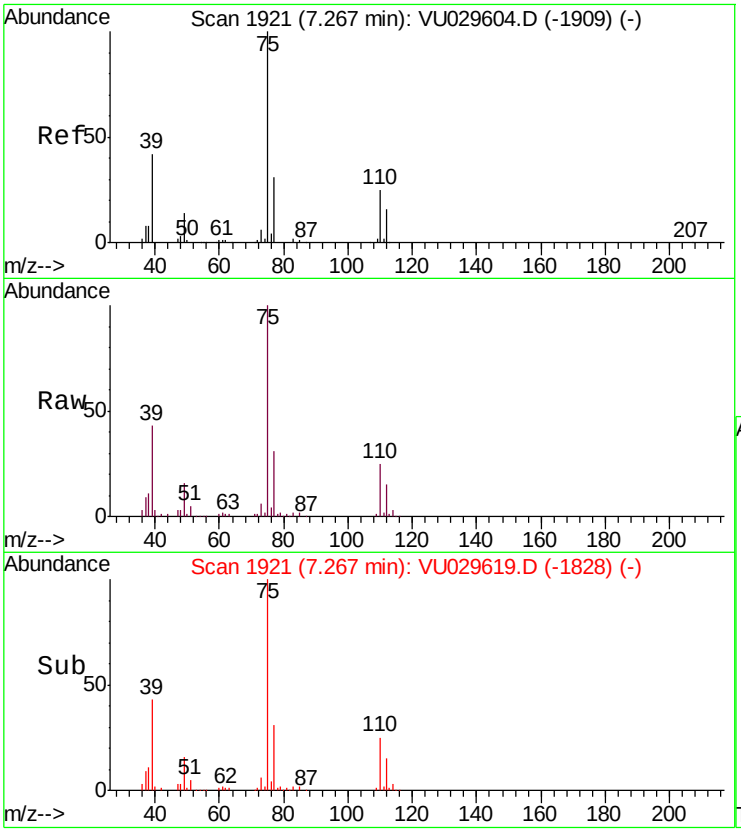


#38
Bromodichloromethane
Concen: 19.889 ug/L
RT: 6.75 min Scan# 1761
Delta R.T. -0.00 min
Lab File: VU029619.D
Acq: 22 Feb 2019 14:35

Tgt Ion: 83 Resp: 85610

Ion	Ratio	Lower	Upper
83	100		
85	63.8	44.2	82.0
127	9.4	8.3	12.5



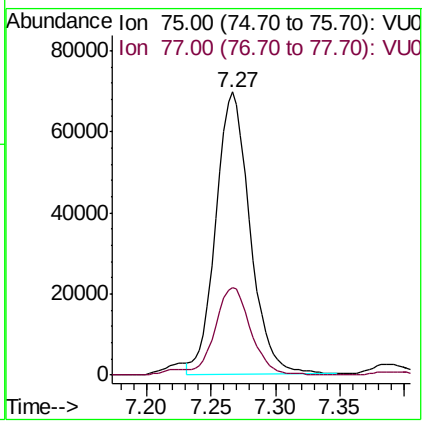


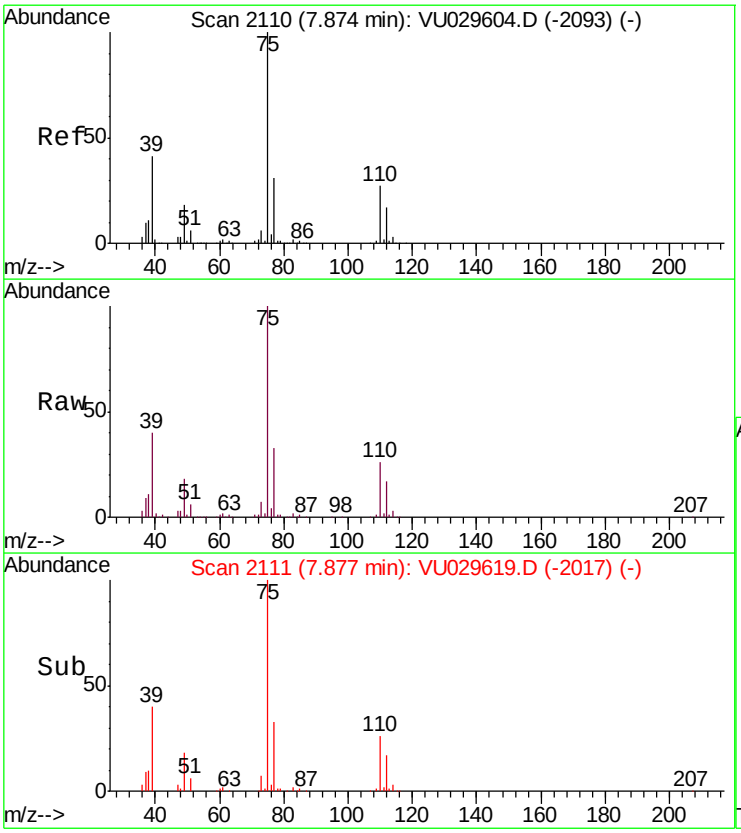
#39
cis-1,3-Dichloropropene
Concen: 24.972 ug/L
RT: 7.27 min Scan# 1921
Delta R.T. -0.00 min
Lab File: VU029619.D
Acq: 22 Feb 2019 14:35

Instrument :
MSVOA_U
ClientSampleId :
DB5Y8

Tgt Ion: 75 Resp: 128641

Ion	Ratio	Lower	Upper
75	100		
77	31.1	22.3	41.5

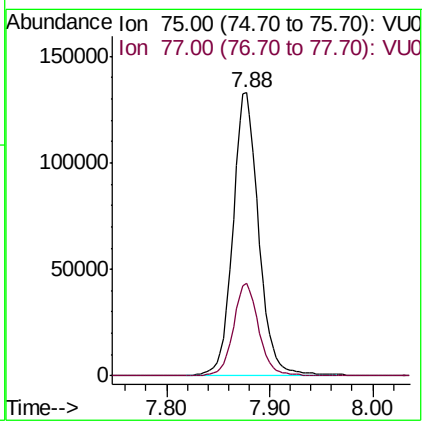


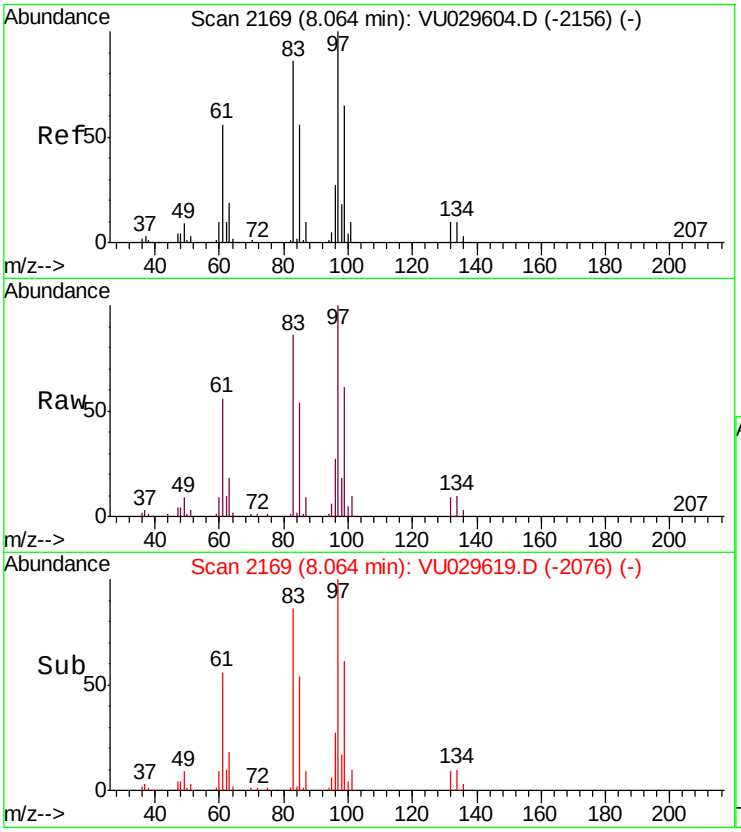


#44
trans-1,3-Dichloropropene
Concen: 47.736 ug/L
RT: 7.88 min Scan# 2111
Delta R.T. 0.00 min
Lab File: VU029619.D
Acq: 22 Feb 2019 14:35

Tgt Ion: 75 Resp: 231755

Ion	Ratio	Lower	Upper
75	100		
77	32.6	22.1	41.1



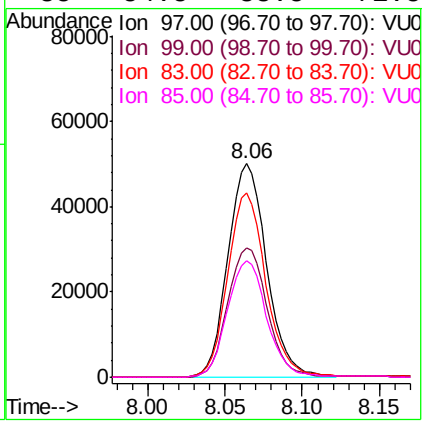


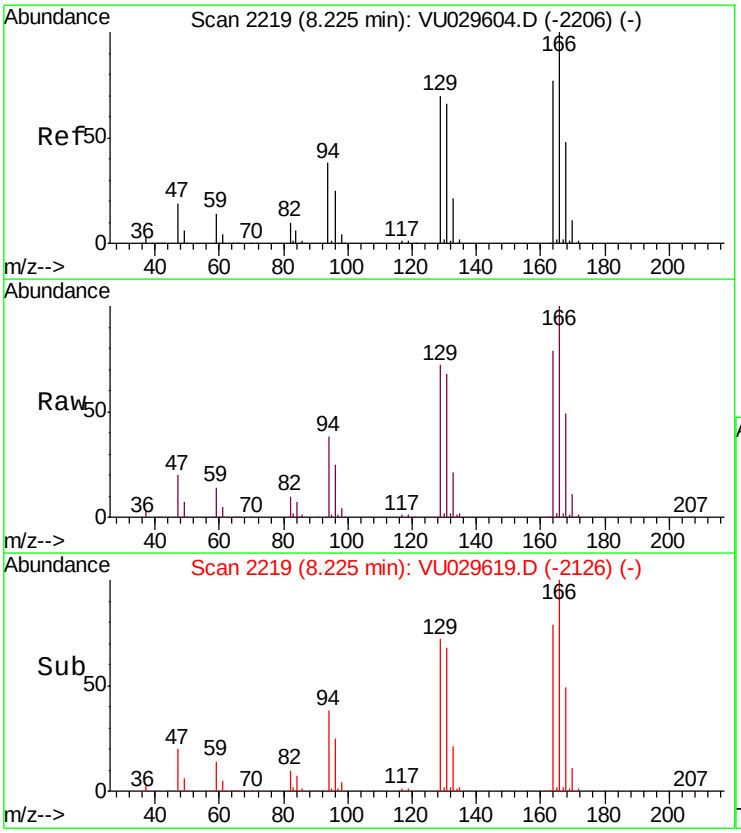
#45
1,1,2-Trichloroethane
Concen: 25.663 ug/L
RT: 8.06 min Scan# 2169
Delta R.T. -0.00 min
Lab File: VU029619.D
Acq: 22 Feb 2019 14:35

Instrument :
MSVOA_U
ClientSampleId :
DB5Y8

Tgt Ion: 97 Resp: 87336

Ion	Ratio	Lower	Upper
97	100		
99	60.5	43.8	81.3
83	86.1	57.7	107.1
85	54.5	38.5	71.5

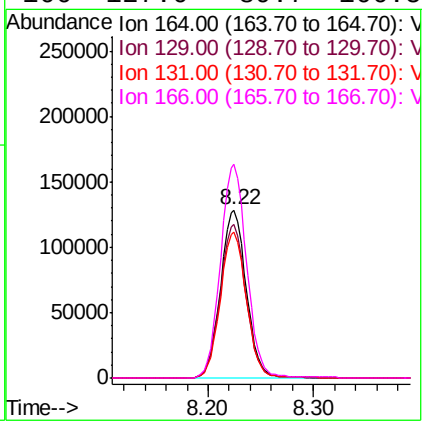


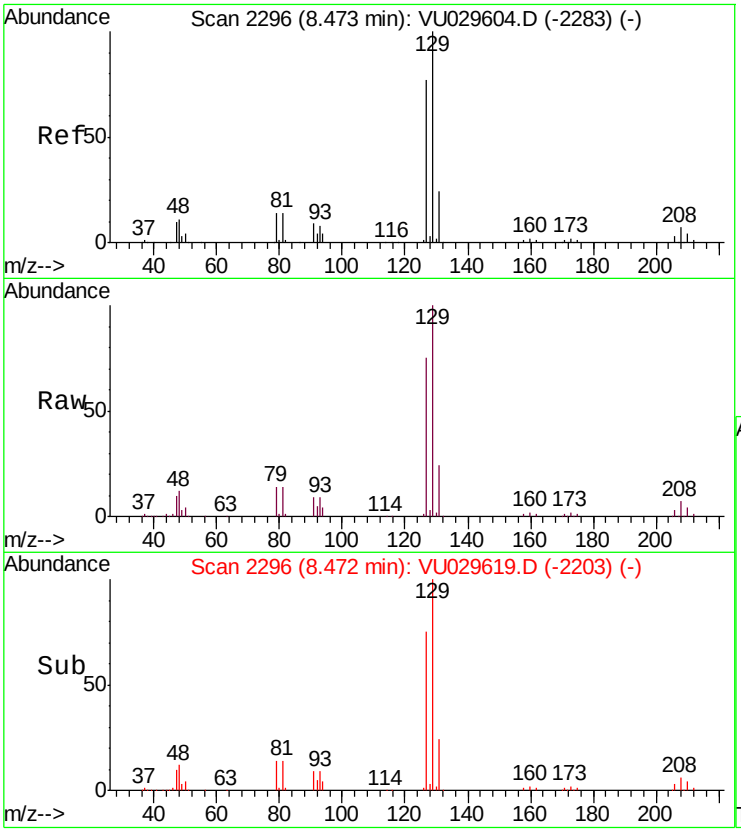


#46
Tetrachloroethene
Concen: 67.665 ug/L
RT: 8.22 min Scan# 2219
Delta R.T. -0.00 min
Lab File: VU029619.D
Acq: 22 Feb 2019 14:35

Tgt Ion:164 Resp: 217010

Ion	Ratio	Lower	Upper
164	100		
129	91.0	62.1	115.3
131	86.5	60.1	111.5
166	127.0	89.7	166.5



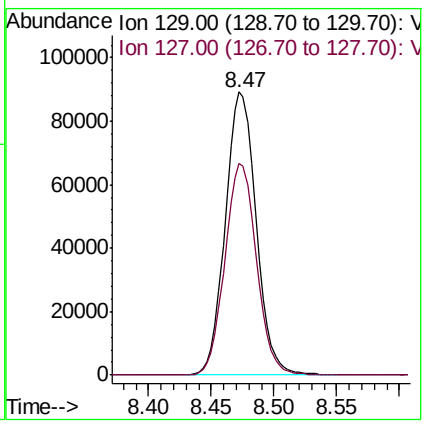


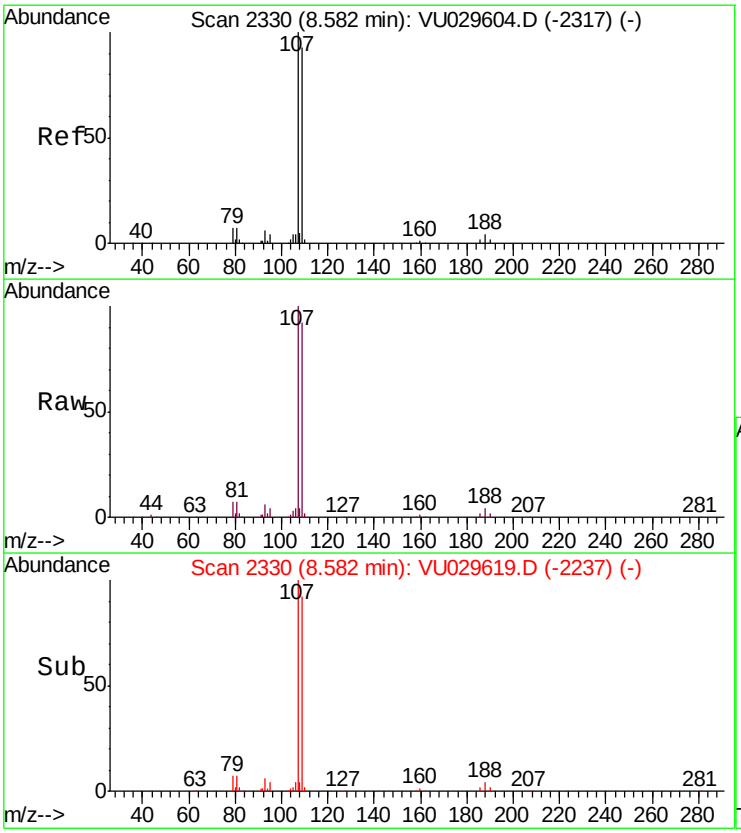
#49
Dibromochloromethane
Concen: 37.023 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. -0.00 min
Lab File: VU029619.D
Acq: 22 Feb 2019 14:35

Instrument :
MSVOA_U
ClientSampleId :
DB5Y8

Tgt Ion:129 Resp: 152748

Ion	Ratio	Lower	Upper
129	100		
127	74.8	54.4	101.0

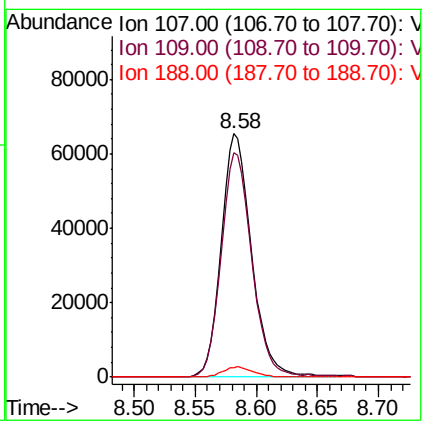


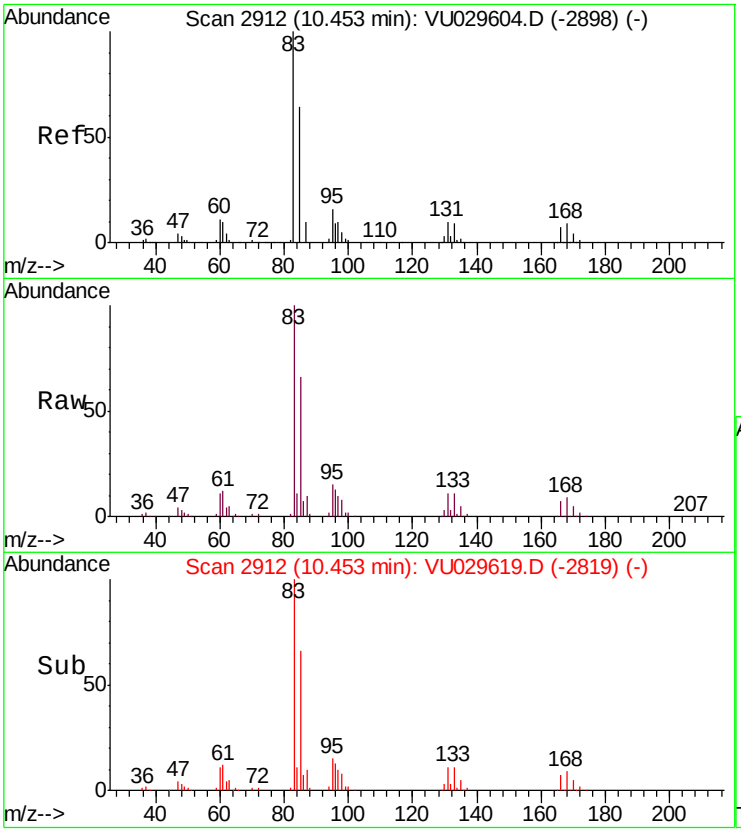


#50
1,2-Dibromoethane
Concen: 30.312 ug/L
RT: 8.58 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VU029619.D
Acq: 22 Feb 2019 14:35

Tgt Ion:107 Resp: 114293

Ion	Ratio	Lower	Upper
107	100		
109	92.1	66.4	123.4
188	4.1	3.5	5.3



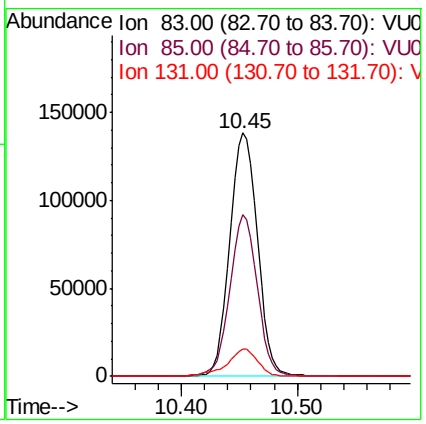


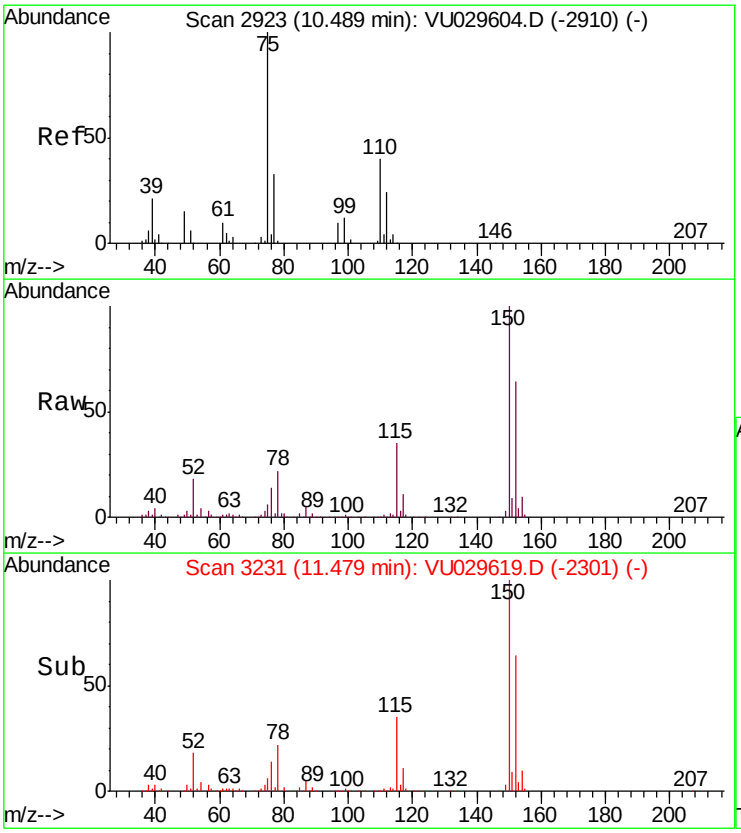
#58
1,1,2,2-Tetrachloroethane
Concen: 37.782 ug/L
RT: 10.45 min Scan# 2912
Delta R.T. -0.00 min
Lab File: VU029619.D
Acq: 22 Feb 2019 14:35

Instrument :
MSVOA_U
ClientSampleId :
DB5Y8

Tgt Ion: 83 Resp: 227374

Ion	Ratio	Lower	Upper
83	100		
85	66.5	45.5	84.5
131	11.2	8.6	12.8

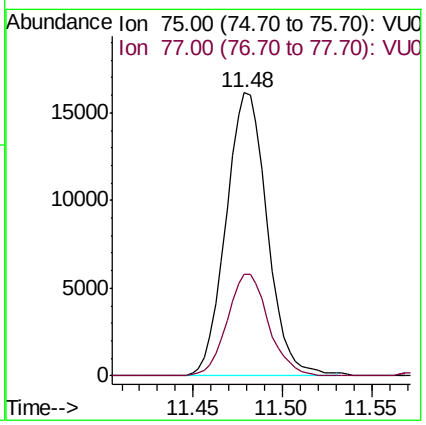


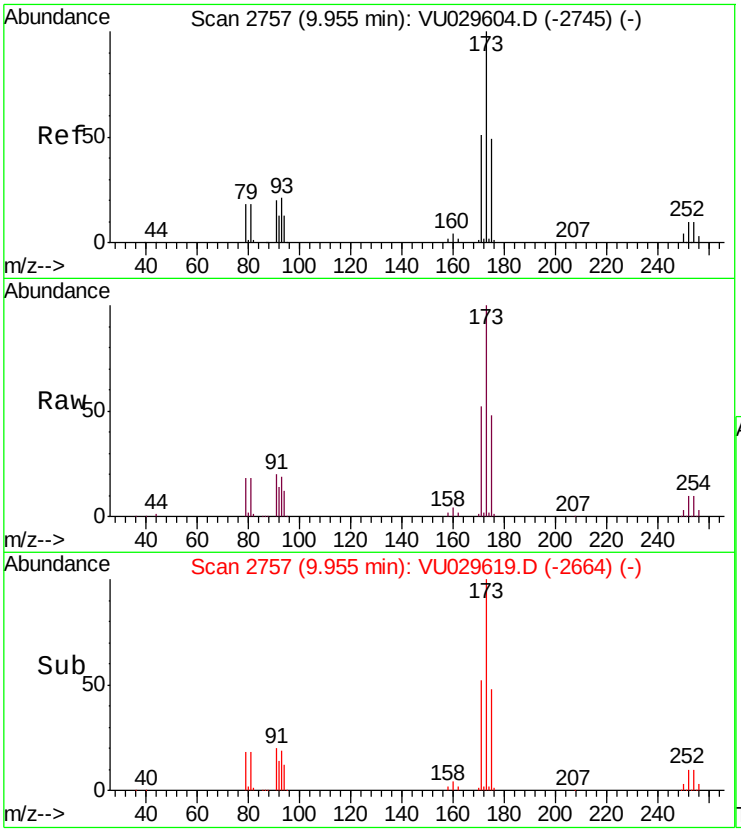


#59
1,2,3-Trichloropropane
Concen: 5.716 ug/L
RT: 11.48 min Scan# 3231
Delta R.T. 0.99 min
Lab File: VU029619.D
Acq: 22 Feb 2019 14:35

Tgt Ion: 75 Resp: 26022

Ion	Ratio	Lower	Upper
75	100		
77	35.9	25.7	38.5



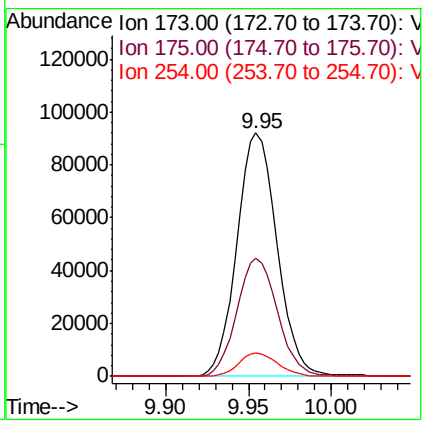


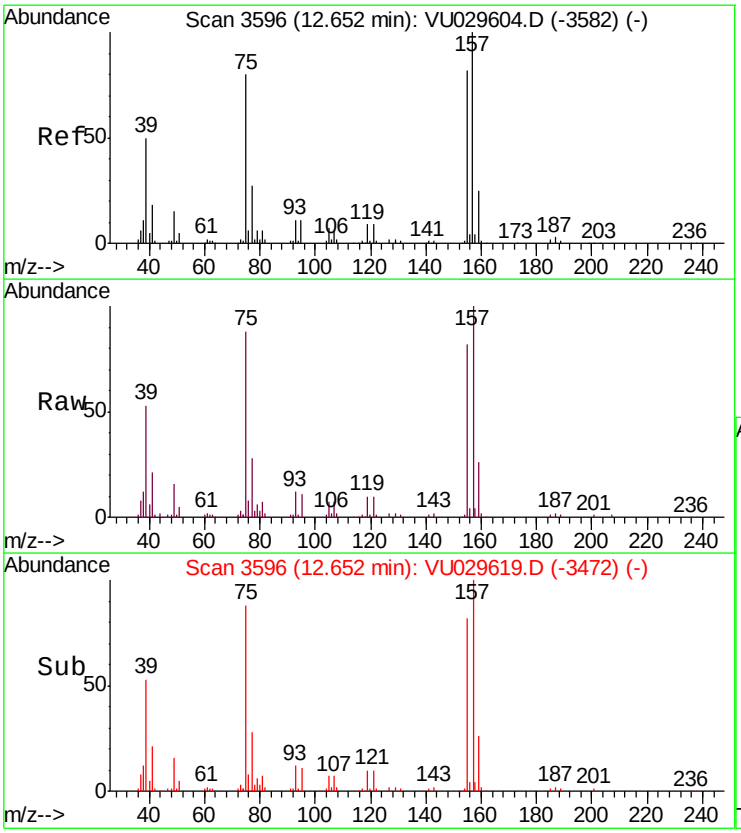
#61
Bromoform
Concen: 45.280 ug/L
RT: 9.95 min Scan# 2757
Delta R.T. -0.00 min
Lab File: VU029619.D
Acq: 22 Feb 2019 14:35

Instrument :
MSVOA_U
ClientSampleId :
DB5Y8

Tgt Ion:173 Resp: 154864

Ion	Ratio	Lower	Upper
173	100		
175	49.3	39.0	58.4
254	9.4	8.1	12.1





#66
1,2-Dibromo-3-chloropropane
Concen: 38.162 ug/L
RT: 12.65 min Scan# 3596
Delta R.T. -0.00 min
Lab File: VU029619.D
Acq: 22 Feb 2019 14:35

Tgt Ion: 75 Resp: 50196

Ion	Ratio	Lower	Upper
75	100		
155	93.6	79.5	119.3
157	114.1	103.4	155.0