Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU021119\

Quantitation Report (Not Reviewed)

Data File : VU029390.D
Acq On : 11 Feb 2019 11:19
Operator : JC/SP
Sample : VSTD00546
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : VSTD00546

Quant Time: Feb 12 01:00:56 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Feb 12 00:57:02 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	231279	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	221180	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	127821	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.40	65	85582	4.05	ug/L	0.00
7) Chloroethane-d5	1.68	69	68857	4.40	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	171980	4.51	ug/L	0.00
20) 2-Butanone-d5	4.19	46	159026	37.62	ug/L	0.00
24) Chloroform-d	4.65	84	133845	3.92	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	66279	3.55	ug/L	0.00
32) Benzene-d6	5.34	84	273729	4.47	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	80022	4.35	ug/L	0.00
41) Toluene-d8	7.56	98	271730	4.71	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	37943	4.65	ug/L	0.00
46) 2-Hexanone-d5	8.31	63	162155	43.57	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	67648	4.21	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	116528	4.66	ug/L	0.00
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.21	85	95187	3.229	ug/L	100
3) Chloromethane	1.32	50	88659	3.375	ug/L	100
5) Vinyl chloride	1.40	62	102814	3.829	ug/L	100
6) Bromomethane	1.63	94	66885	4.489	ug/L	100
8) Chloroethane	1.70	64	61352	4.037	ug/L	100
9) Trichlorofluoromethane	1.89	101	155887	4.299	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	90518	4.788	ug/L	100
12) 1,1-Dichloroethene	2.29	96	84064	4.818	ug/L	100
13) Acetone	2.32	43	121641	37.537	ug/L	100
14) Carbon disulfide	2.48	76	282692	4.679	ug/L	100
15) Methyl Acetate	2.62	43	33990	4.283	ug/L	100
16) Methylene chloride	2.70	84	88866	4.345	ug/L	100
17) Methyl tert-butyl Ether	3.00	73	215315	4.773	ug/L	100
18) trans-1,2-Dichloroethene	2.98	96	92167	4.832	ug/L	100
19) 1,1-Dichloroethane	3.44	63	157672	4.683	ug/L	100
21) 2-Butanone	4.28	43	161980	35.375	ug/L	100
22) cis-1,2-Dichloroethene	4.22	96	84304	4.526	ug/L	100
23) Bromochloromethane	4.55	128	39049	4.589	ug/L	100
25) Chloroform	4.67	83	136502	4.026	ug/L	100
27) 1,2-Dichloroethane	5.41	62	81383	3.593	ug/L	100
29) 1,1,1-Trichloroethane	4.91	97	124652	4.264	ug/L	100
30) Cyclohexane	4.99	56	117241	4.414	ug/L	100
31) Carbon tetrachloride	5.13	117	113211	4.508	ug/L	100
33) Benzene	5.39	78	291070	4.333	ug/L	100
34) Trichloroethene	6.18	95	82558	4.566	ug/L	100
35) Methylcyclohexane	6.41	83	139054	4.743	ug/L	100
37) 1,2-Dichloropropane	6.43	63	70994	4.033	ug/L	100
38) Bromodichloromethane	6.76	83	99576	4.235	ug/L	100
39) cis-1,3-Dichloropropene	7.27	75	115100	4.479	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	416246	39.624	ug/L	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU021119\

Quantitation Report (Not Reviewed)

Data File : VU029390.D
Acq On : 11 Feb 2019 11:19
Operator : JC/SP
Sample : VSTD00546
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : VSTD00546

Quant Time: Feb 12 01:00:56 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Feb 12 00:57:02 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.63	91	329996	4.514	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	99632	4.494	ug/L	100
45) 1,1,2-Trichloroethane	8.07	97	56395	4.396	ug/L	100
47) Tetrachloroethene	8.22	164	76292	4.771	ug/L	100
48) 2-Hexanone	8.36	43	291594	38.480	ug/L	100
49) Dibromochloromethane	8.47	129	79227	4.861	ug/L	100
50) 1,2-Dibromoethane	8.59	107	54622	4.385	ug/L	100
51) Chlorobenzene	9.12	112	225544	4.637	ug/L	100
52) Ethylbenzene	9.25	91	374874	4.636	ug/L	100
53) m,p-xylene	9.37	106	149353	4.828	ug/L	100
54) o-xylene	9.78	106	145080	4.889	ug/L	100
55) Styrene	9.79	104	244271	4.797	ug/L	100
56) Isopropylbenzene	10.16	105	391858	4.913	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	70562	4.229	ug/L	100
59) 1,2,3-Trichloropropane	10.49	75	45764	3.806	ug/L	100
61) Bromoform	9.95	173	49889	4.712	ug/L	100
62) 1,3-Dichlorobenzene	11.41	146	198554	4.672	ug/L	100
63) 1,4-Dichlorobenzene	11.50	146	200871	4.461	ug/L	100
65) 1,2-Dichlorobenzene	11.87	146	186014	4.500	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.66	75	12540	4.334	ug/L	100
67) 1,3,5-Trichlorobenzene	12.88	180	163180	4.578	ug/L	100
68) 1,2,4-trichlorobenzene	13.50	180	143692	4.754	ug/L	100
69) Naphthalene	13.74	128	232878	4.851	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	131757	4.730	ug/L	100

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

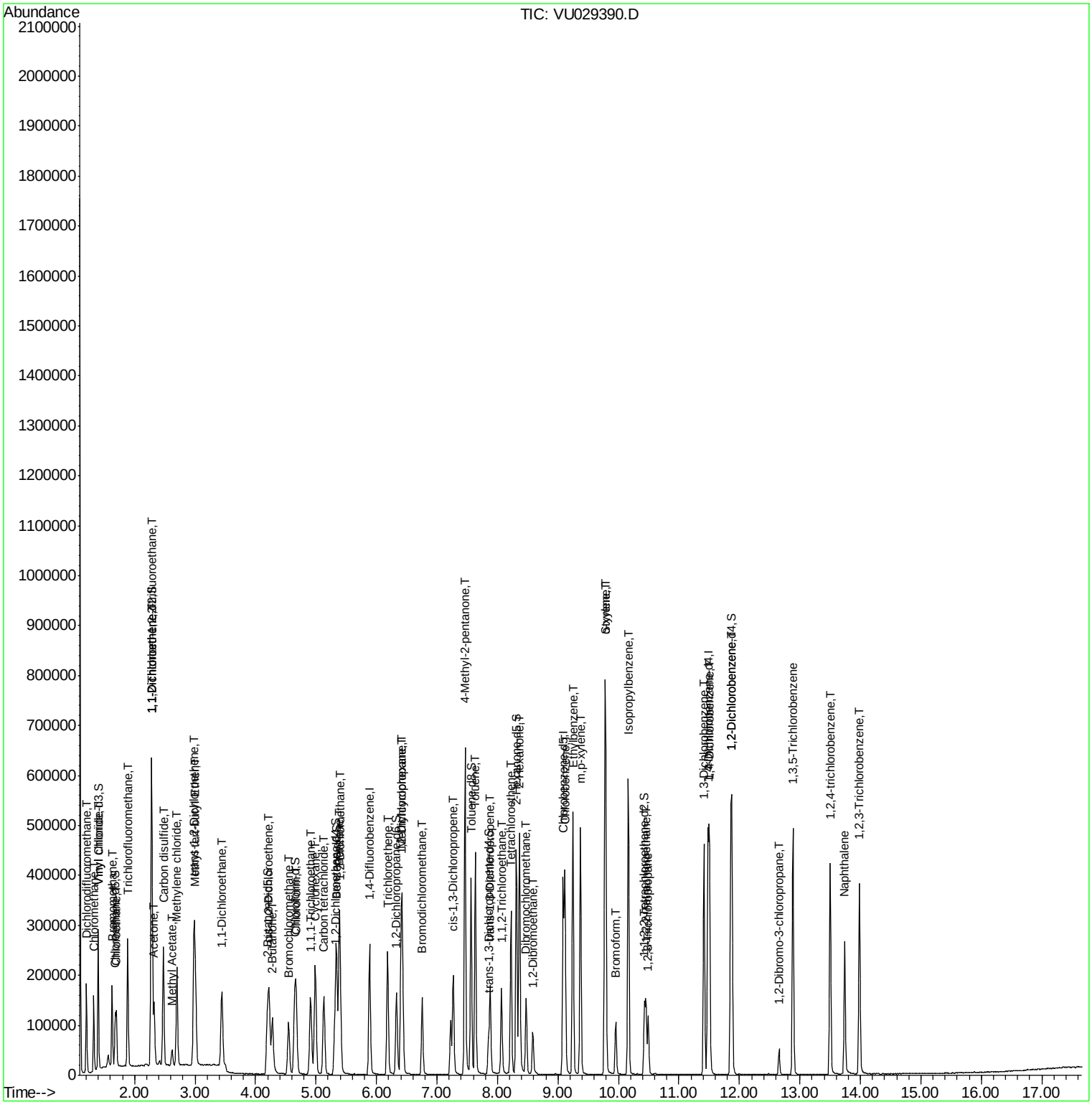
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU021119\

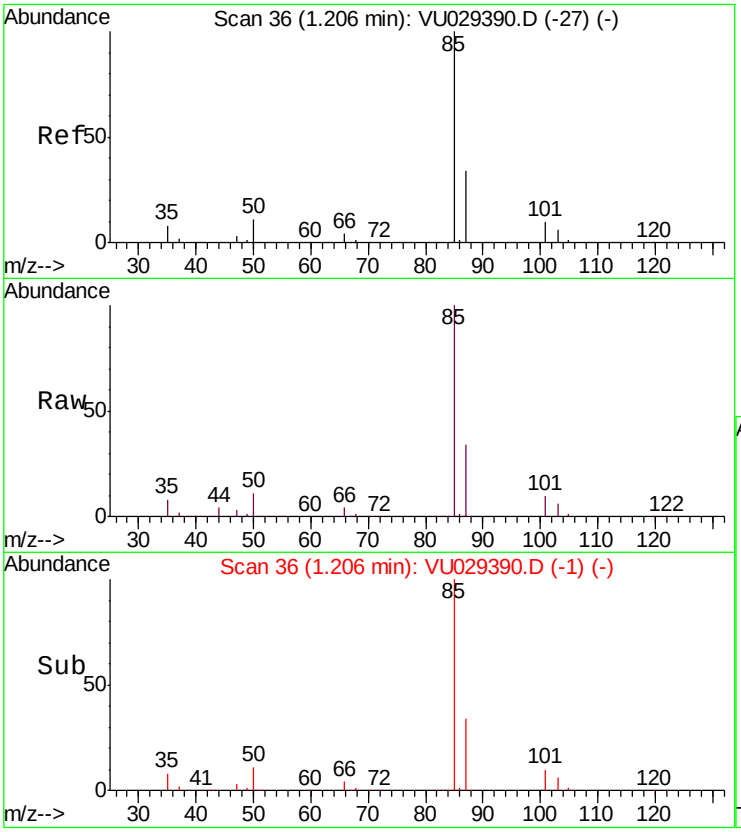
Quantitation Report (Not Reviewed)

Data File : VU029390.D
Acq On : 11 Feb 2019 11:19
Operator : JC/SP
Sample : VSTD00546
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00546

Quant Time: Feb 12 01:00:56 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Feb 12 00:57:02 2019
Response via : Initial Calibration



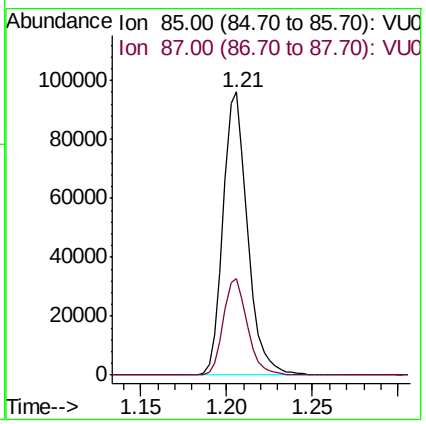


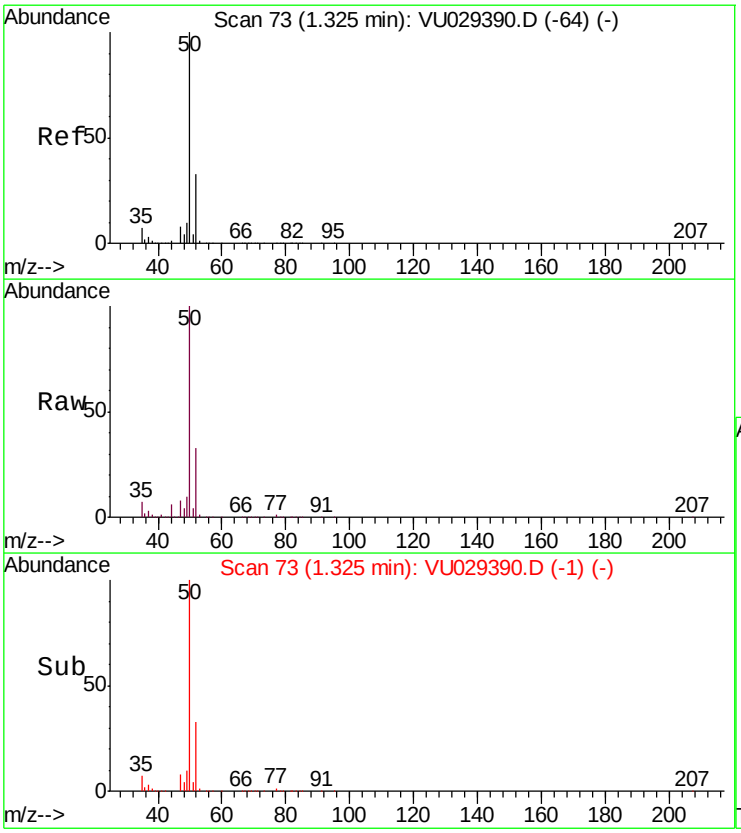
#2
Dichlorodifluoromethane
Concen: 3.229 ug/L
RT: 1.21 min Scan# 36
Delta R.T. 0.00 min
Lab File: VU029390.D
Acq: 11 Feb 2019 11:19

Instrument :
MSVOA_U
ClientSampleId :
VSTD00546

Tgt Ion: 85 Resp: 95187

Ion	Ratio	Lower	Upper
85	100		
87	33.5	26.8	40.2

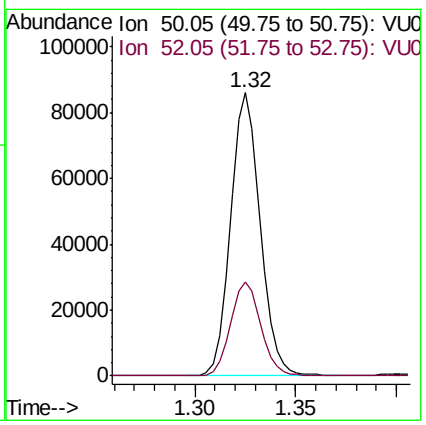


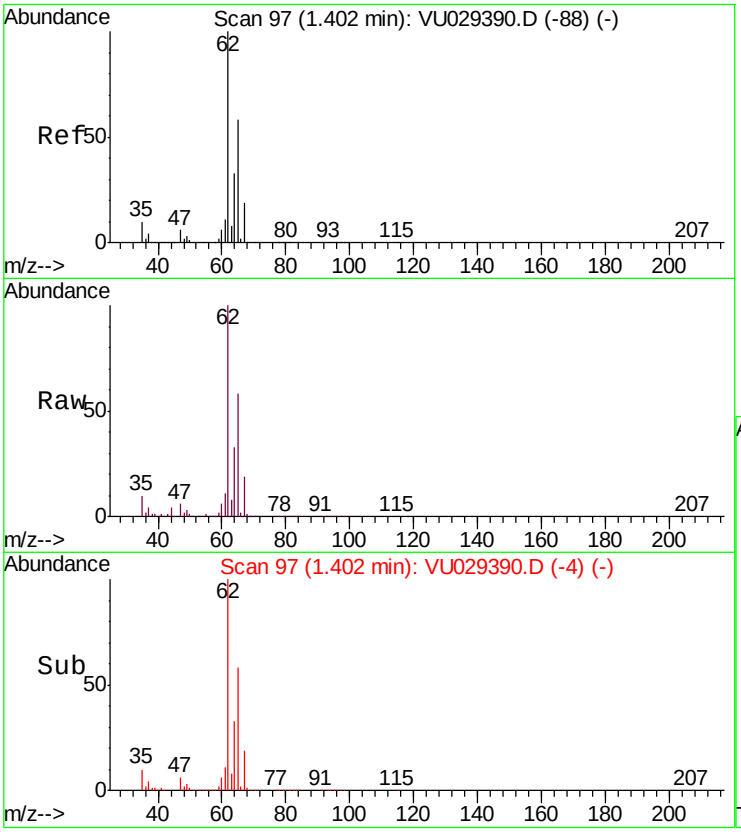


#3
Chloromethane
Concen: 3.375 ug/L
RT: 1.32 min Scan# 73
Delta R.T. 0.00 min
Lab File: VU029390.D
Acq: 11 Feb 2019 11:19

Tgt Ion: 50 Resp: 88659

Ion	Ratio	Lower	Upper
50	100		
52	33.4	23.4	43.4



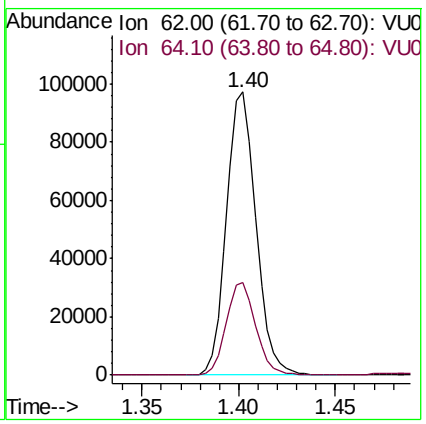


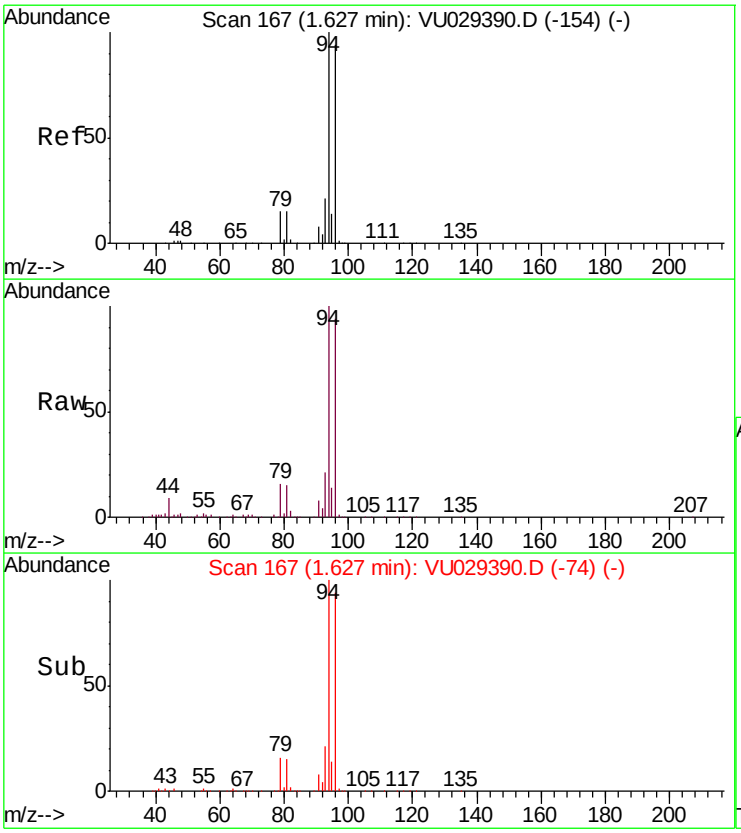
#5
Vinyl chloride
Concen: 3.829 ug/L
RT: 1.40 min Scan# 97
Delta R.T. 0.00 min
Lab File: VU029390.D
Acq: 11 Feb 2019 11:19

Instrument :
MSVOA_U
ClientSampleId :
VSTD00546

Tgt Ion: 62 Resp: 102814

Ion	Ratio	Lower	Upper
62	100		
64	32.8	23.0	42.6

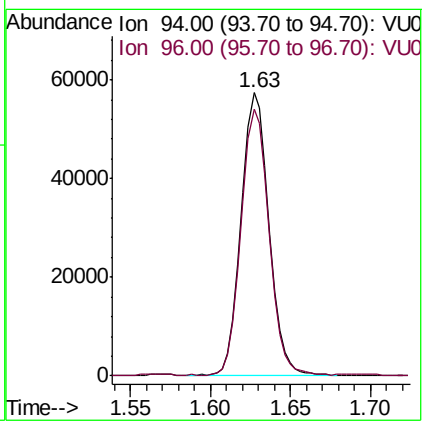


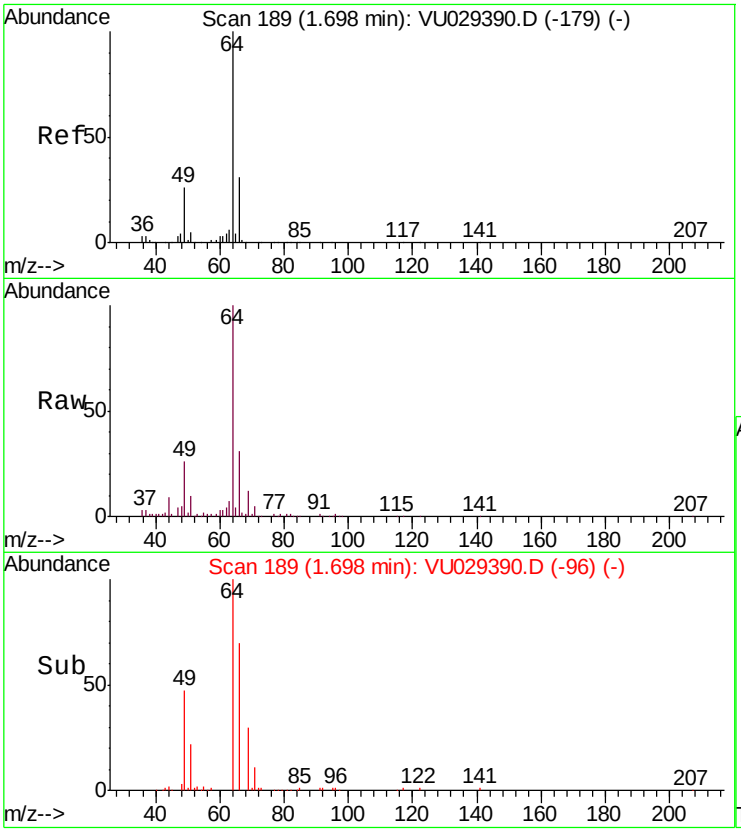


#6
Bromomethane
Concen: 4.489 ug/L
RT: 1.63 min Scan# 167
Delta R.T. 0.00 min
Lab File: VU029390.D
Acq: 11 Feb 2019 11:19

Tgt Ion: 94 Resp: 66885

Ion	Ratio	Lower	Upper
94	100		
96	94.4	66.1	122.7



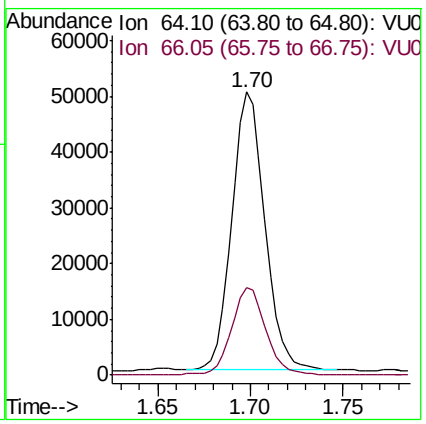


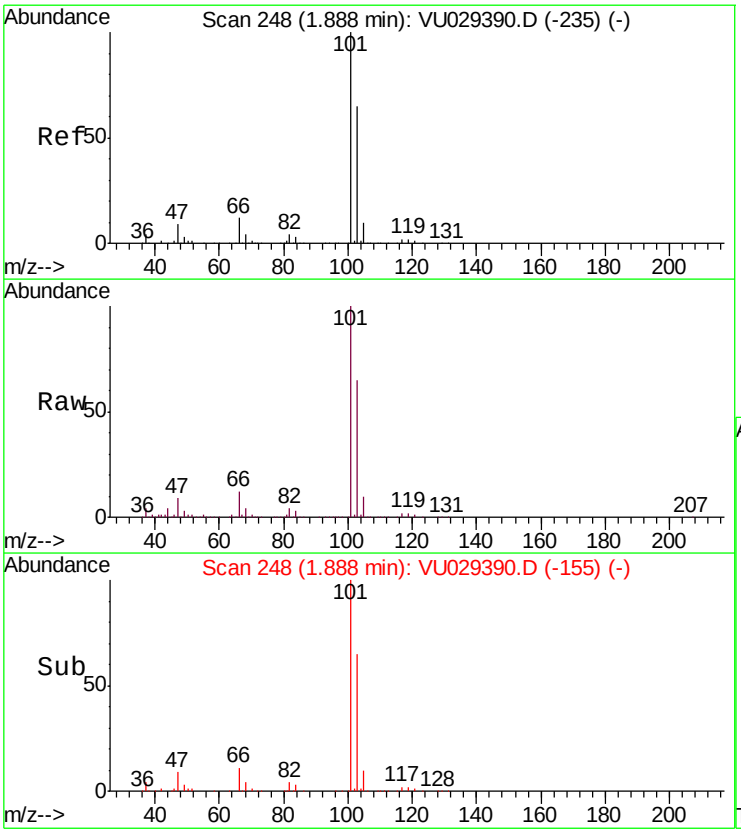
#8
Chloroethane
Concen: 4.037 ug/L
RT: 1.70 min Scan# 189
Delta R.T. 0.00 min
Lab File: VU029390.D
Acq: 11 Feb 2019 11:19

Instrument :
MSVOA_U
ClientSampleId :
VSTD00546

Tgt Ion: 64 Resp: 61352

Ion	Ratio	Lower	Upper
64	100		
66	31.1	21.8	40.4

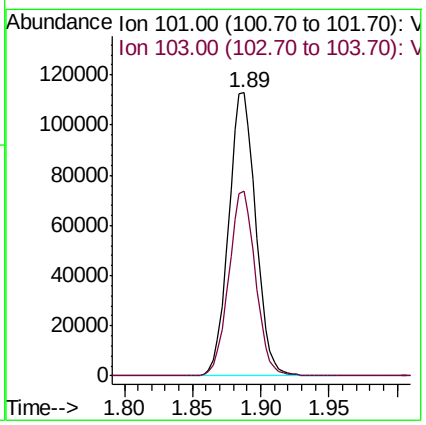


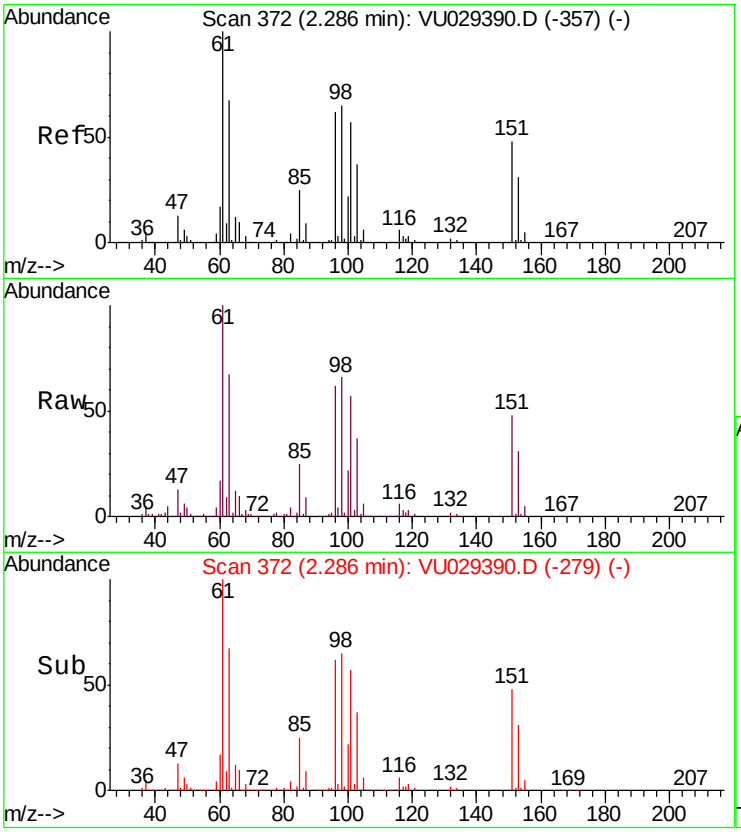


#9
Trichlorofluoromethane
Concen: 4.299 ug/L
RT: 1.89 min Scan# 248
Delta R.T. 0.00 min
Lab File: VU029390.D
Acq: 11 Feb 2019 11:19

Tgt Ion:101 Resp: 155887

Ion	Ratio	Lower	Upper
101	100		
103	64.7	51.8	77.6



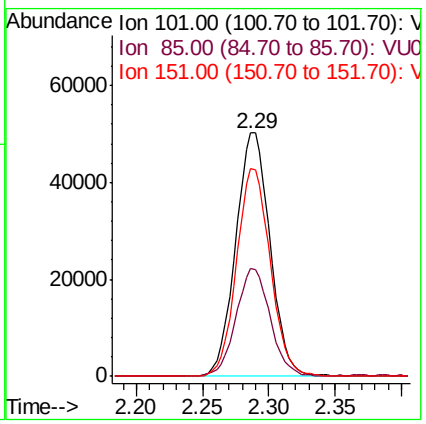


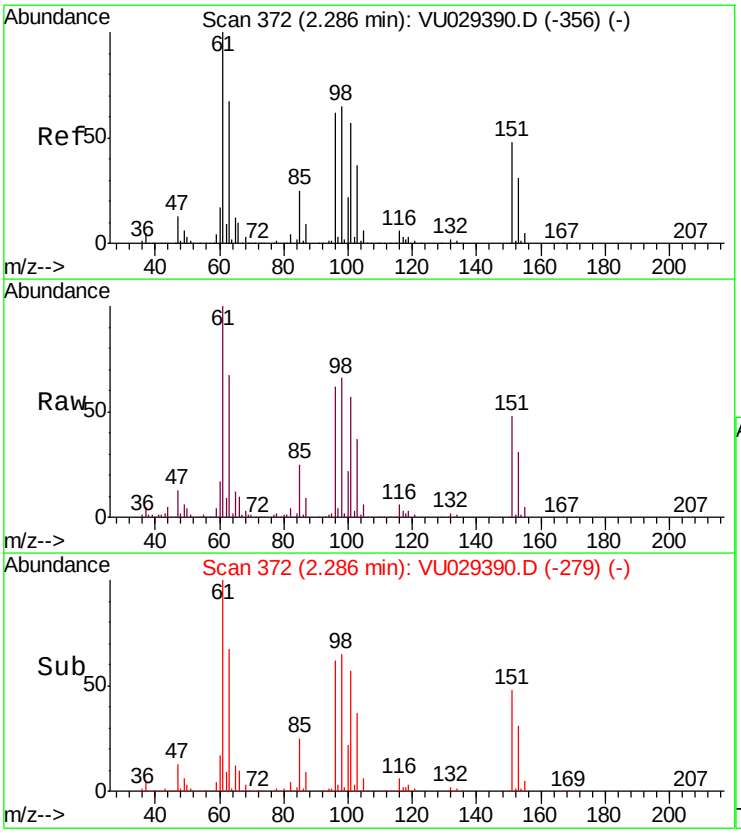
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 4.788 ug/L
RT: 2.29 min Scan# 372
Delta R.T. 0.00 min
Lab File: VU029390.D
Acq: 11 Feb 2019 11:19

Instrument :
MSVOA_U
ClientSampleId :
VSTD00546

Tgt Ion:101 Resp: 90518

Ion	Ratio	Lower	Upper
101	100		
85	43.6	34.9	52.3
151	83.7	67.0	100.4

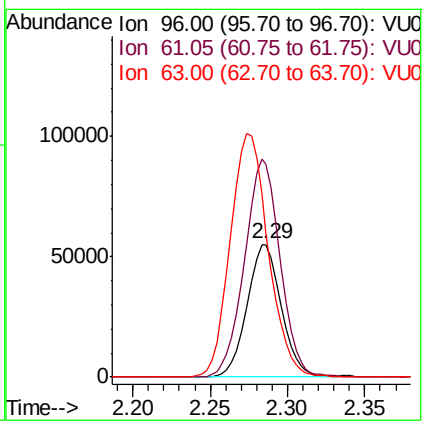


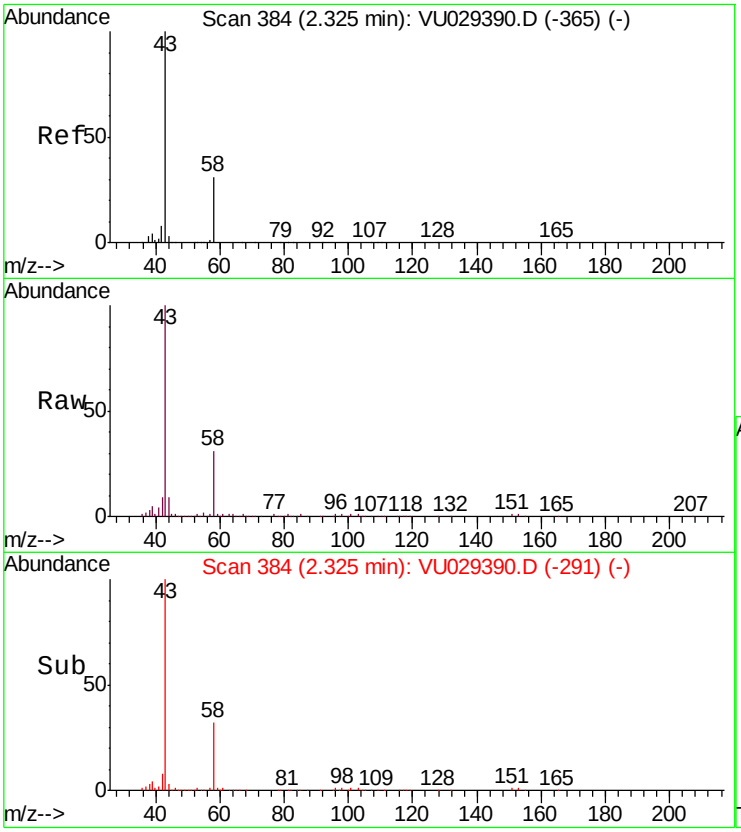


#12
1,1-Dichloroethene
Concen: 4.818 ug/L
RT: 2.29 min Scan# 372
Delta R.T. 0.00 min
Lab File: VU029390.D
Acq: 11 Feb 2019 11:19

Tgt Ion: 96 Resp: 84064

Ion	Ratio	Lower	Upper
96	100		
61	160.6	112.4	208.8
63	107.9	75.5	140.3



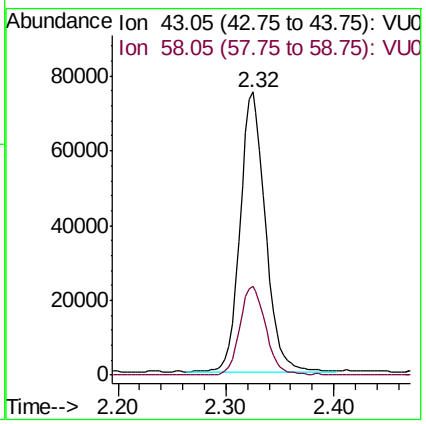


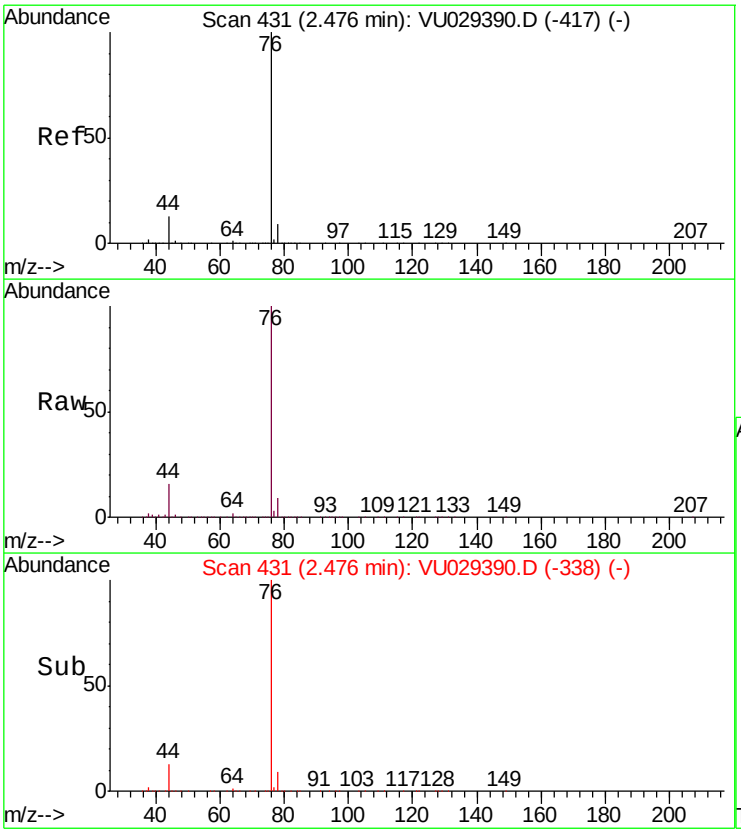
#13
Acetone
Concen: 37.537 ug/L
RT: 2.32 min Scan# 384
Delta R.T. 0.00 min
Lab File: VU029390.D
Acq: 11 Feb 2019 11:19

Instrument : MSVOA_U
ClientSampleId : VSTD00546

Tgt Ion: 43 Resp: 121641

Ion	Ratio	Lower	Upper
43	100		
58	32.1	0.0	64.2

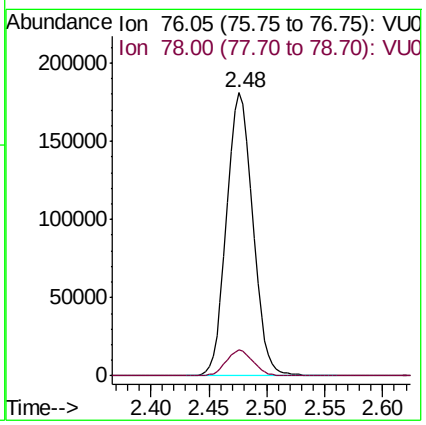


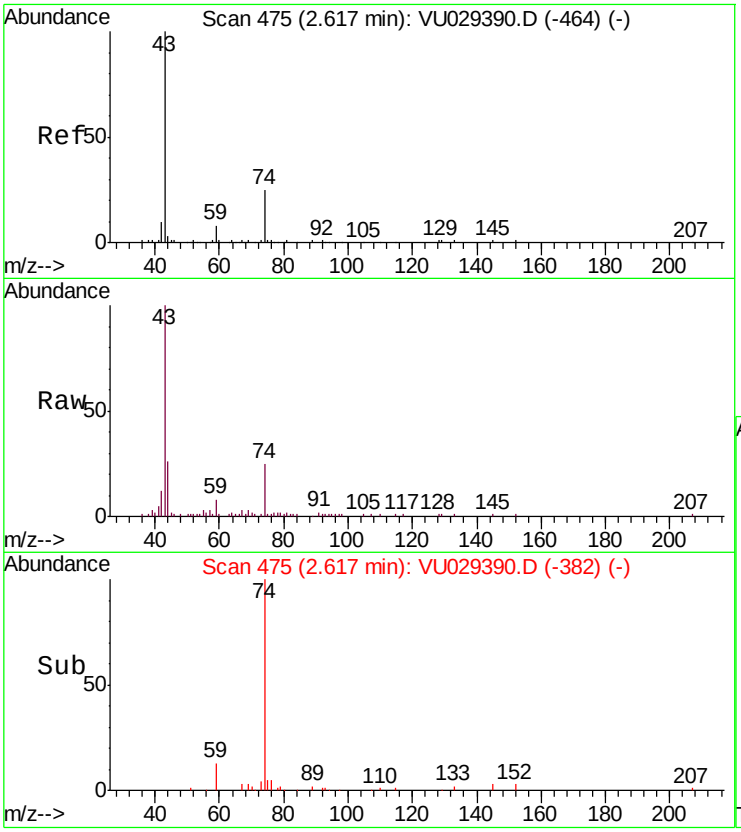


#14
Carbon disulfide
Concen: 4.679 ug/L
RT: 2.48 min Scan# 431
Delta R.T. 0.00 min
Lab File: VU029390.D
Acq: 11 Feb 2019 11:19

Tgt Ion: 76 Resp: 282692

Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.3	10.9



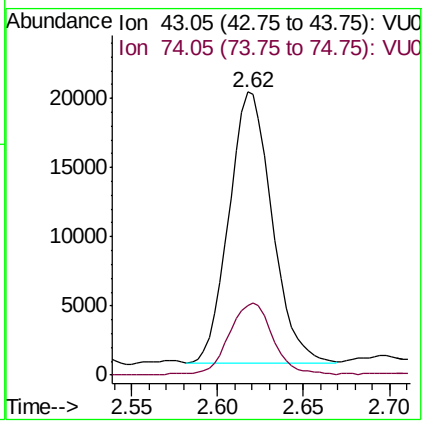


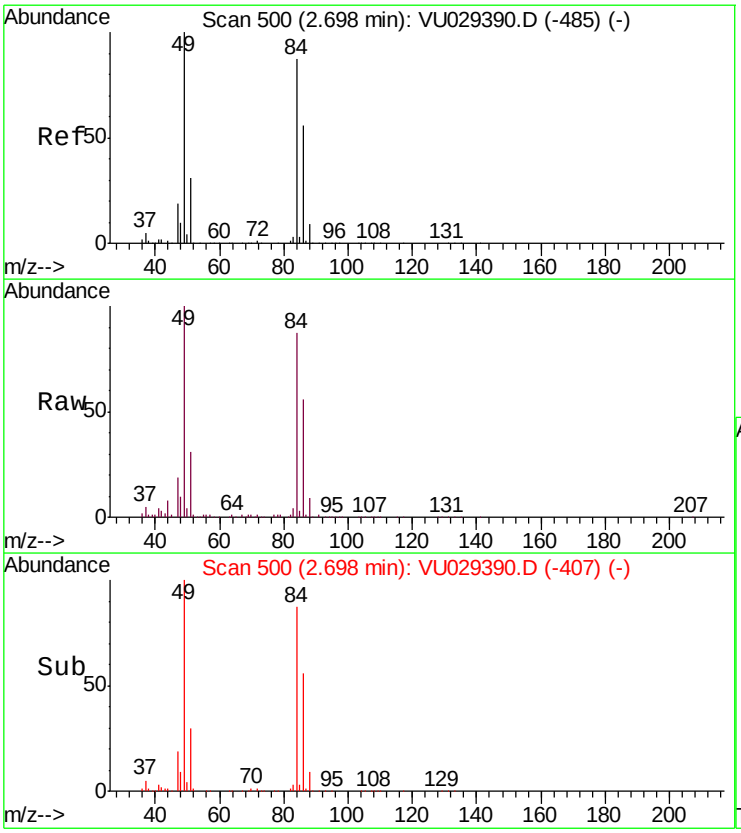
#15
Methyl Acetate
Concen: 4.283 ug/L
RT: 2.62 min Scan# 475
Delta R.T. 0.00 min
Lab File: VU029390.D
Acq: 11 Feb 2019 11:19

Instrument :
MSVOA_U
ClientSampleId :
VSTD00546

Tgt Ion: 43 Resp: 33990

Ion	Ratio	Lower	Upper
43	100		
74	27.3	21.8	32.8

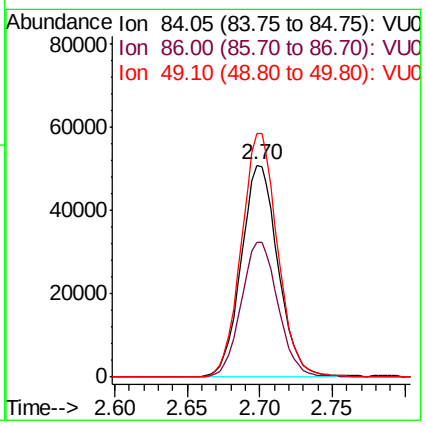


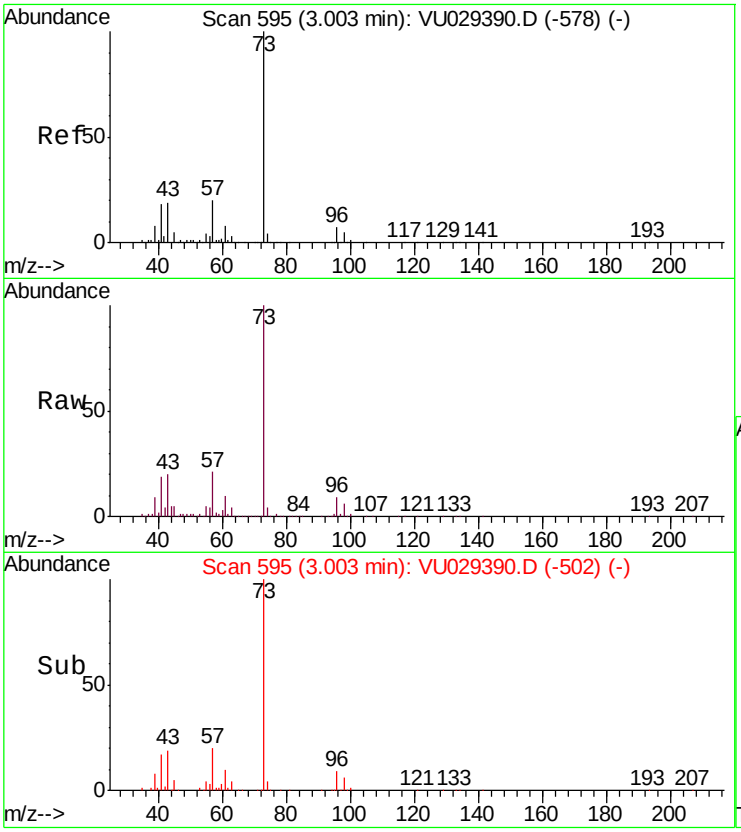


#16
Methylene chloride
Concen: 4.345 ug/L
RT: 2.70 min Scan# 500
Delta R.T. 0.00 min
Lab File: VU029390.D
Acq: 11 Feb 2019 11:19

Tgt Ion: 84 Resp: 88866

Ion	Ratio	Lower	Upper
84	100		
86	63.8	44.7	82.9
49	114.8	80.4	149.2



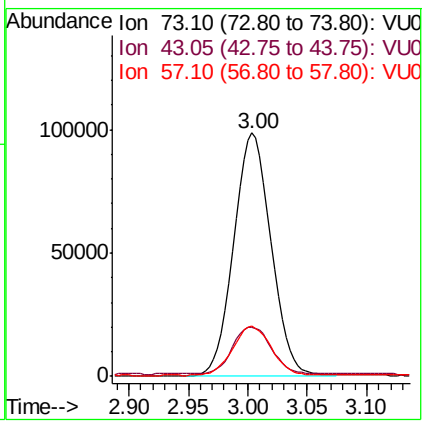


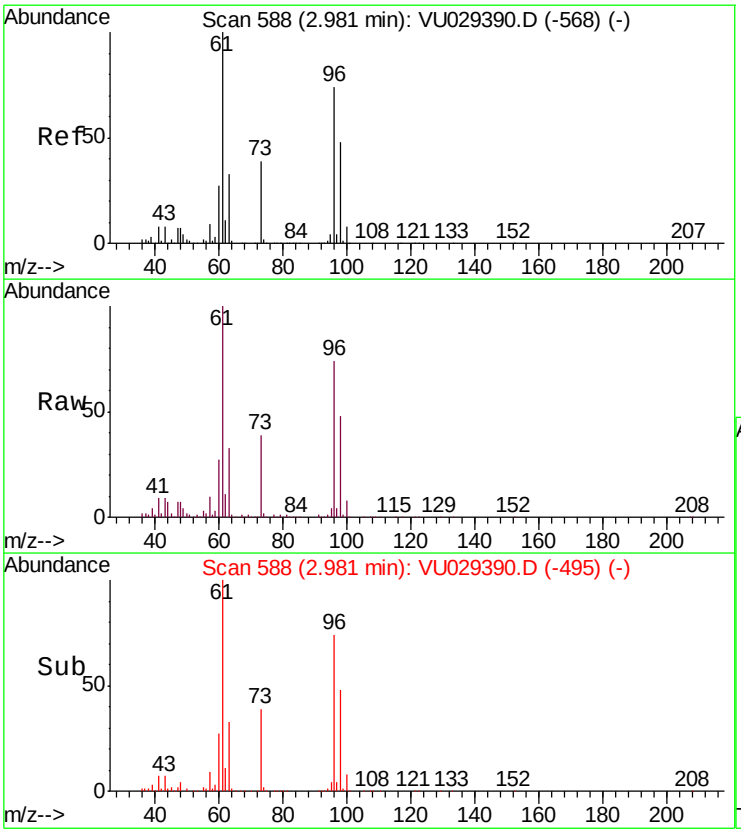
#17
Methyl tert-butyl Ether
Concen: 4.773 ug/L
RT: 3.00 min Scan# 595
Delta R.T. 0.00 min
Lab File: VU029390.D
Acq: 11 Feb 2019 11:19

Instrument :
MSVOA_U
ClientSampleId :
VSTD00546

Tgt Ion: 73 Resp: 215315

Ion	Ratio	Lower	Upper
73	100		
43	19.9	15.9	23.9
57	21.1	16.9	25.3

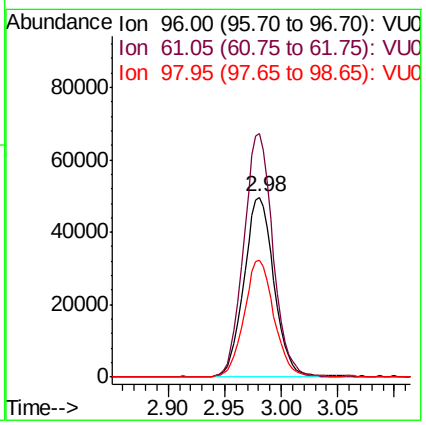


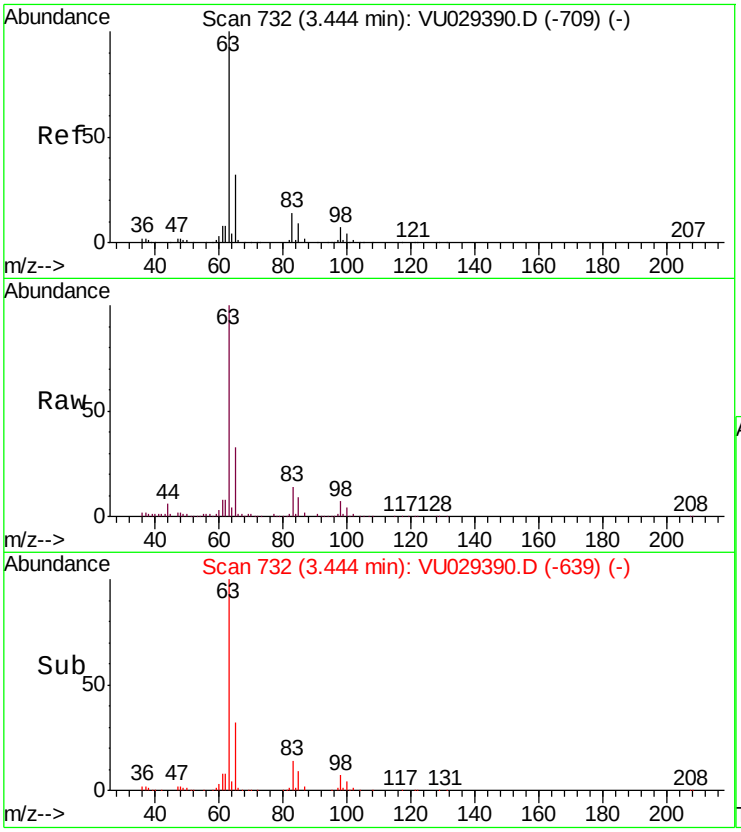


#18
trans-1,2-Dichloroethene
Concen: 4.832 ug/L
RT: 2.98 min Scan# 588
Delta R.T. 0.00 min
Lab File: VU029390.D
Acq: 11 Feb 2019 11:19

Tgt Ion: 96 Resp: 92167

Ion	Ratio	Lower	Upper
96	100		
61	135.4	94.8	176.0
98	65.0	45.5	84.5



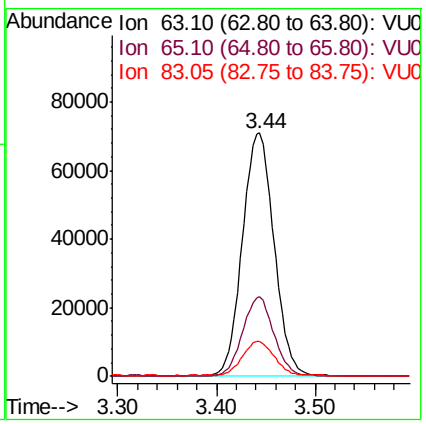


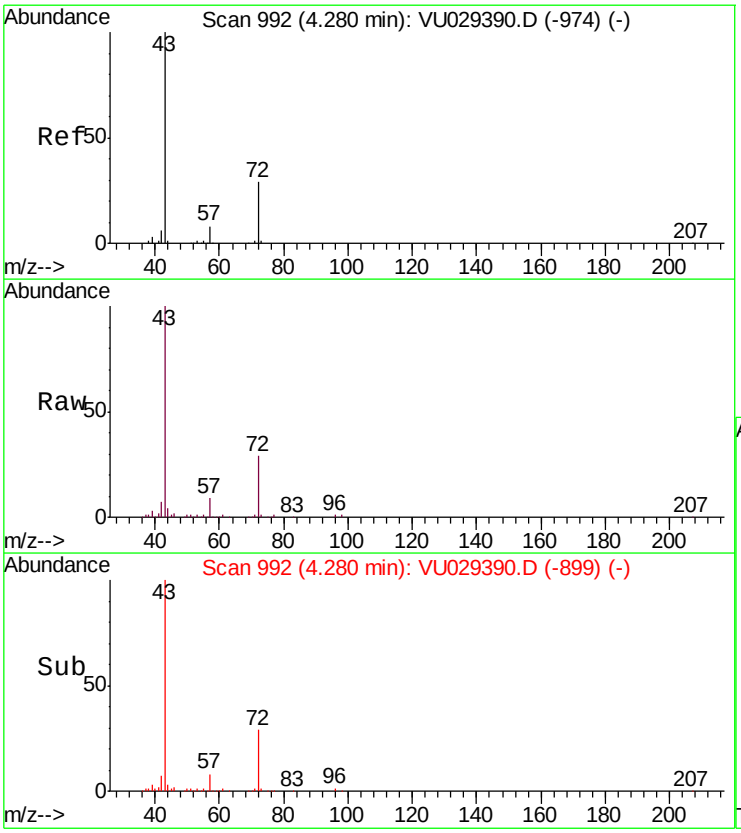
#19
1,1-Dichloroethane
Concen: 4.683 ug/L
RT: 3.44 min Scan# 732
Delta R.T. 0.00 min
Lab File: VU029390.D
Acq: 11 Feb 2019 11:19

Instrument : MSVOA_U
ClientSampleId : VSTD00546

Tgt Ion: 63 Resp: 157672

Ion	Ratio	Lower	Upper
63	100		
65	32.6	22.8	42.4
83	14.3	10.0	18.6

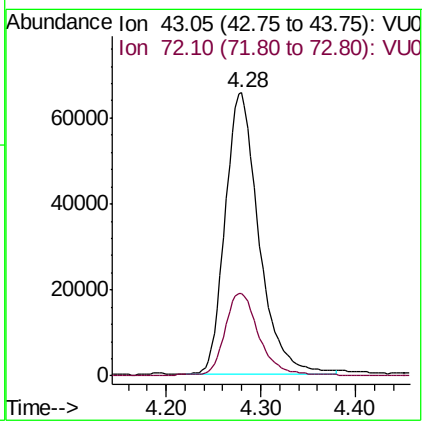


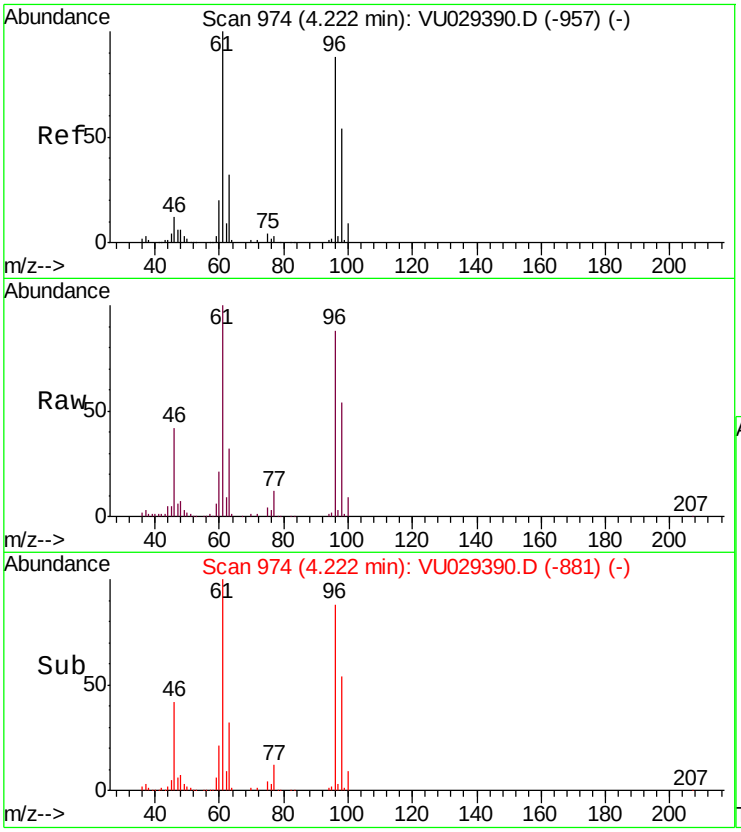


#21
2-Butanone
Concen: 35.375 ug/L
RT: 4.28 min Scan# 992
Delta R.T. 0.00 min
Lab File: VU029390.D
Acq: 11 Feb 2019 11:19

Tgt Ion: 43 Resp: 161980

Ion	Ratio	Lower	Upper
43	100		
72	30.1	15.0	45.1



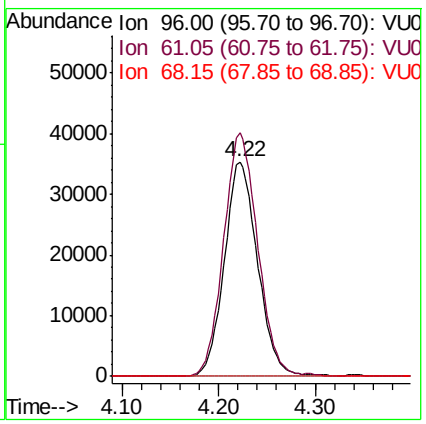


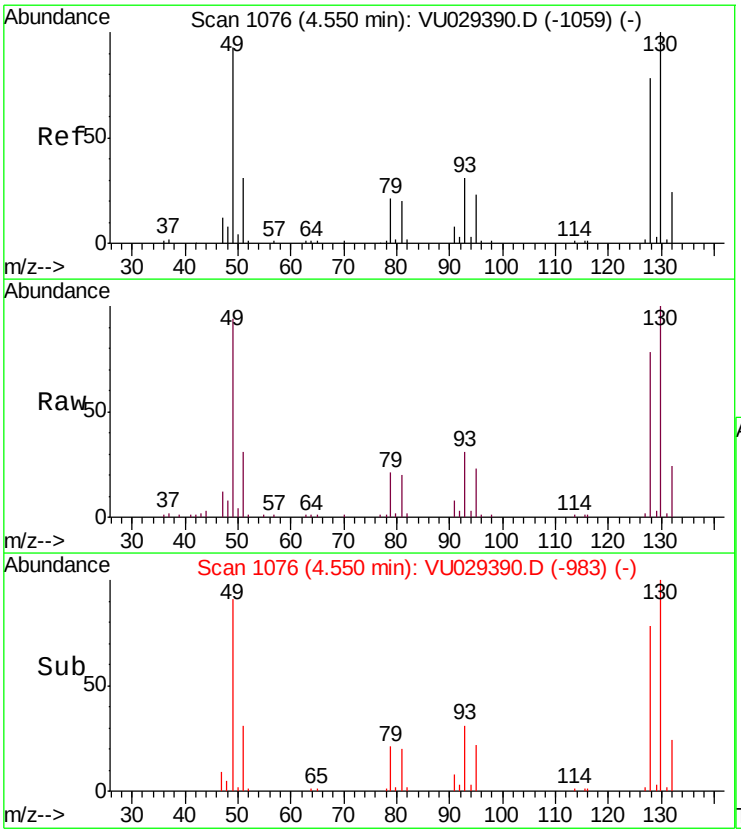
#22
cis-1,2-Dichloroethene
Concen: 4.526 ug/L
RT: 4.22 min Scan# 974
Delta R.T. 0.00 min
Lab File: VU029390.D
Acq: 11 Feb 2019 11:19

Instrument : MSVOA_U
ClientSampleId : VSTD00546

Tgt Ion: 96 Resp: 84304

Ion	Ratio	Lower	Upper
96	100		
61	113.4	79.4	147.4
68	0.0	0.0	0.0

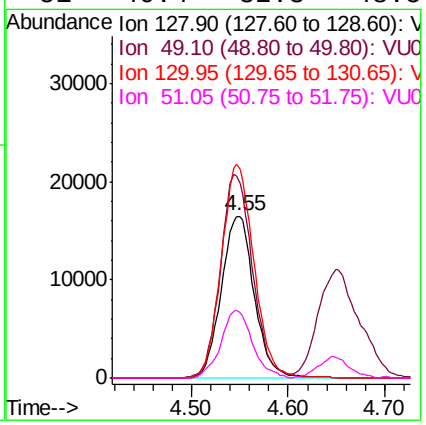


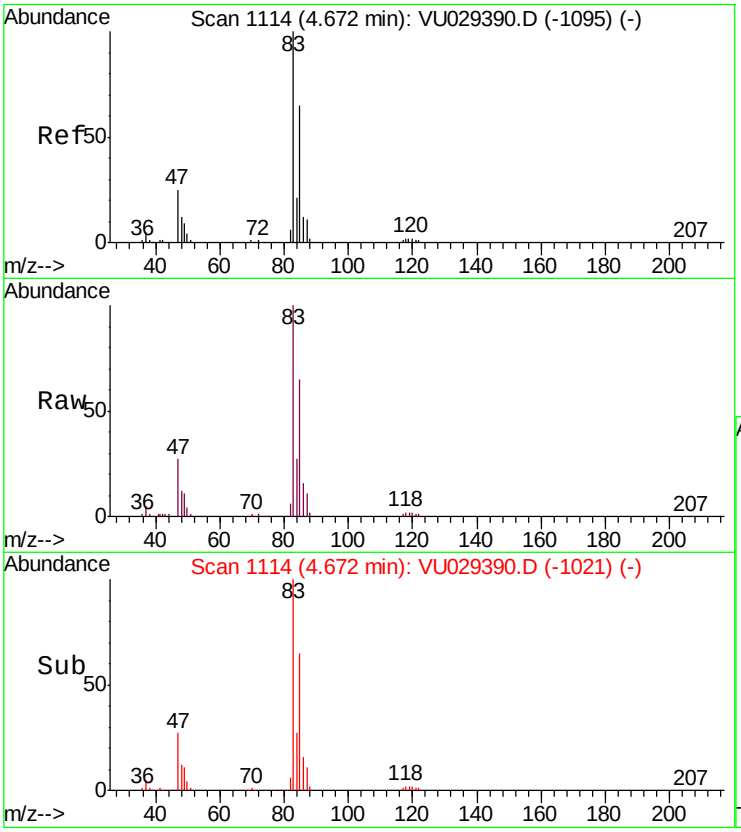


#23
Bromochloromethane
Concen: 4.589 ug/L
RT: 4.55 min Scan# 1076
Delta R.T. 0.00 min
Lab File: VU029390.D
Acq: 11 Feb 2019 11:19

Tgt Ion:128 Resp: 39049

Ion	Ratio	Lower	Upper
128	100		
49	120.5	84.4	156.7
130	128.7	90.1	167.3
51	40.4	32.3	48.5



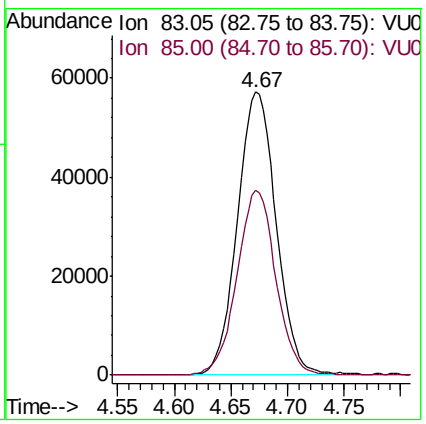


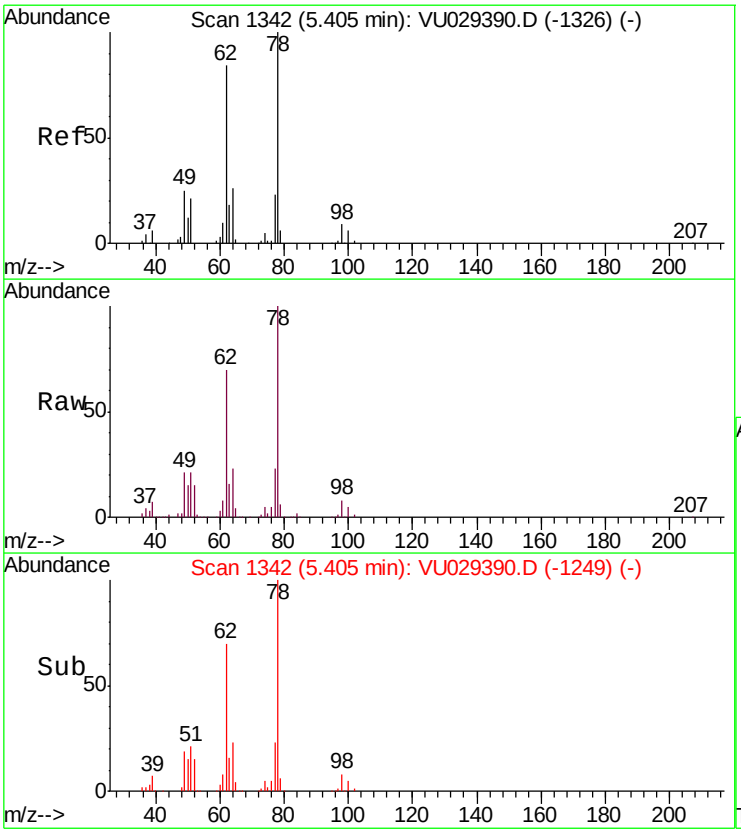
#25
Chloroform
Concen: 4.026 ug/L
RT: 4.67 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VU029390.D
Acq: 11 Feb 2019 11:19

Instrument :
MSVOA_U
ClientSampleId :
VSTD00546

Tgt Ion: 83 Resp: 136502

Ion	Ratio	Lower	Upper
83	100		
85	65.3	45.7	84.9

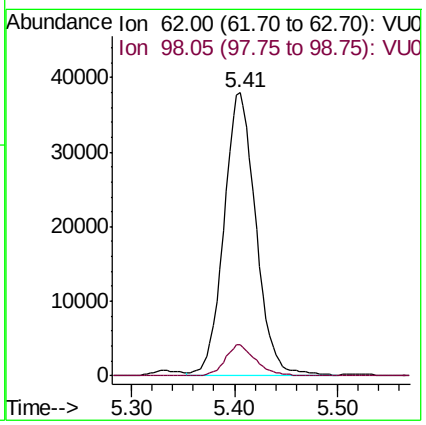


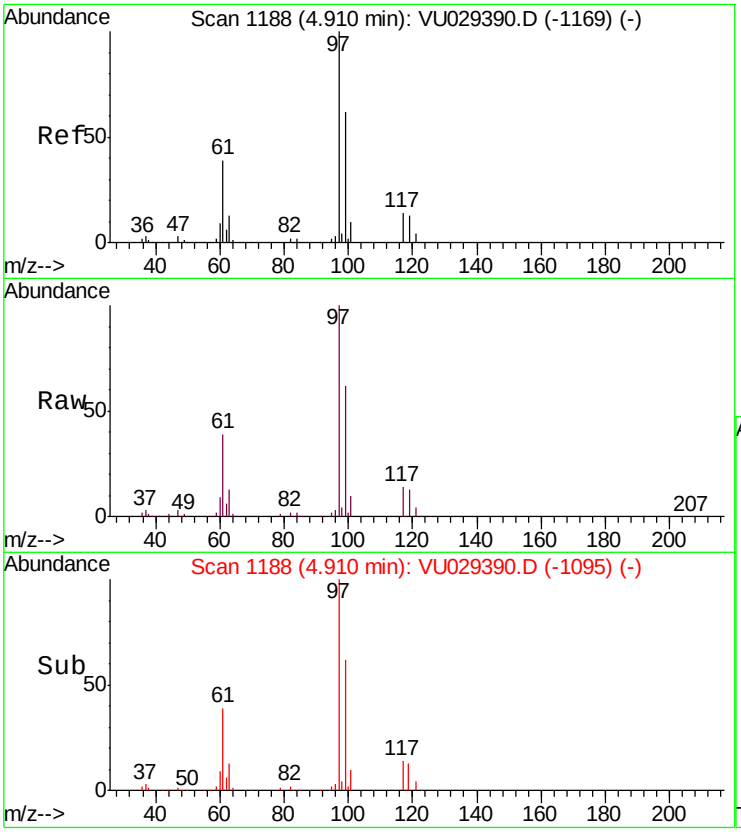


#27
1,2-Dichloroethane
Concen: 3.593 ug/L
RT: 5.41 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VU029390.D
Acq: 11 Feb 2019 11:19

Tgt Ion: 62 Resp: 81383

Ion	Ratio	Lower	Upper
62	100		
98	10.9	8.7	13.1



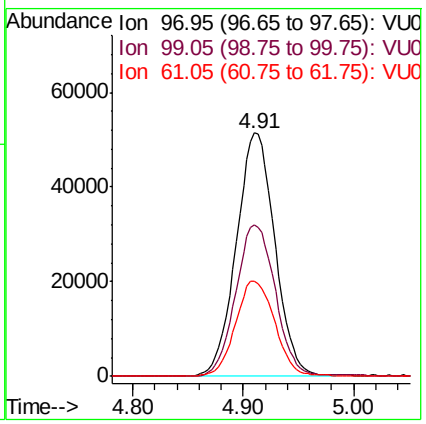


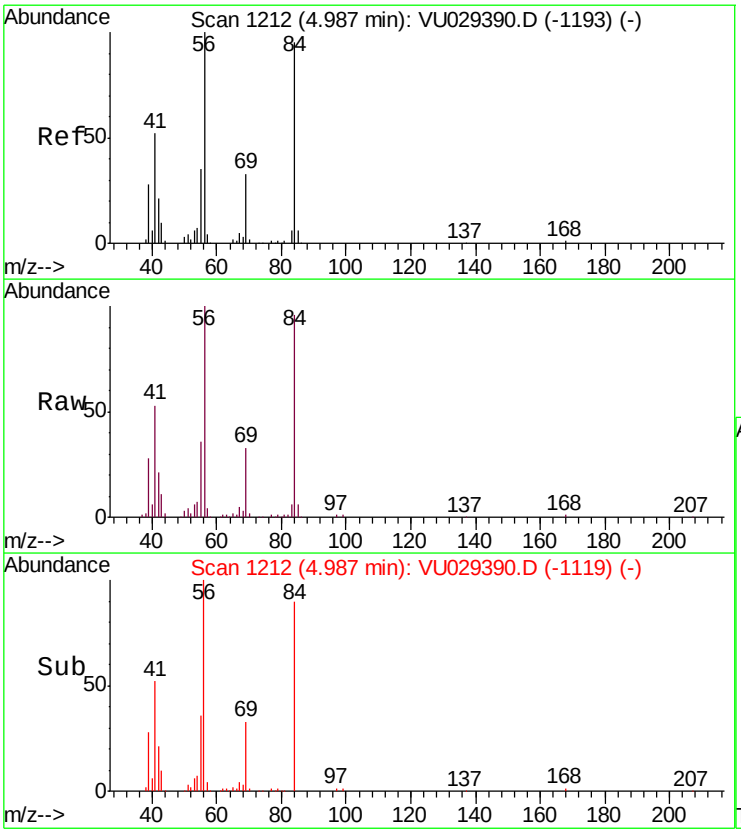
#29
1,1,1-Trichloroethane
Concen: 4.264 ug/L
RT: 4.91 min Scan# 1188
Delta R.T. 0.00 min
Lab File: VU029390.D
Acq: 11 Feb 2019 11:19

Instrument :
MSVOA_U
ClientSampleId :
VSTD00546

Tgt Ion: 97 Resp: 124652

Ion	Ratio	Lower	Upper
97	100		
99	63.6	50.9	76.3
61	40.0	32.0	48.0

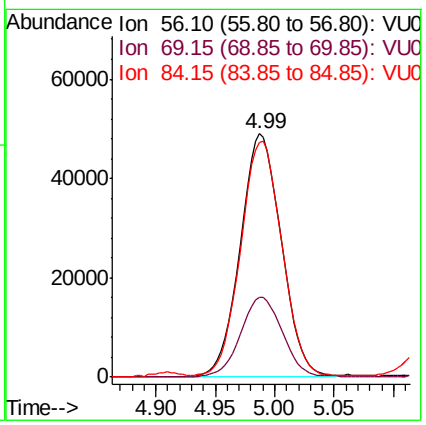


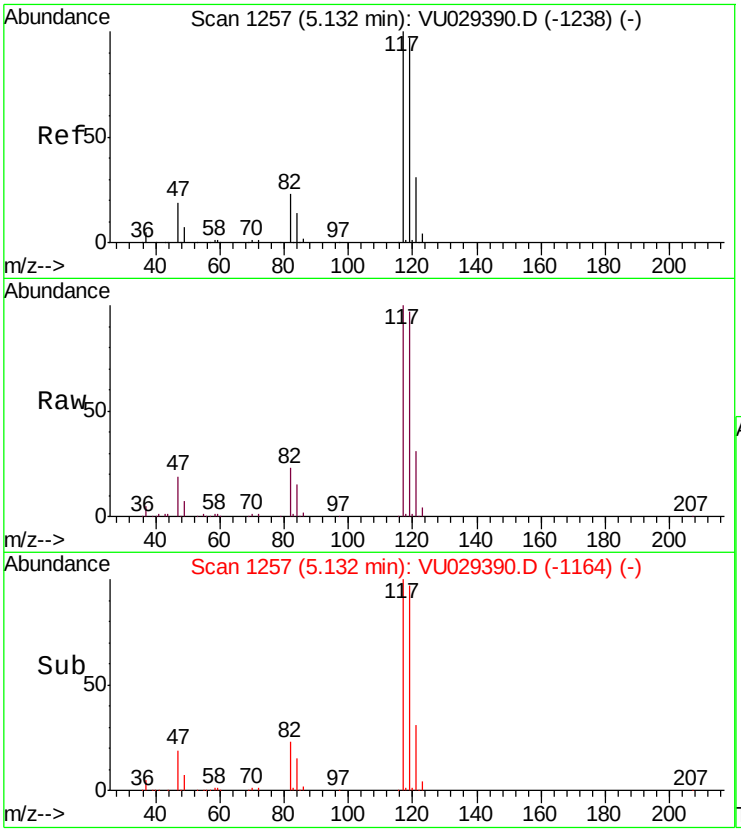


#30
Cyclohexane
Concen: 4.414 ug/L
RT: 4.99 min Scan# 1212
Delta R.T. 0.00 min
Lab File: VU029390.D
Acq: 11 Feb 2019 11:19

Tgt Ion: 56 Resp: 117241

Ion	Ratio	Lower	Upper
56	100		
69	33.5	26.8	40.2
84	98.4	78.7	118.1



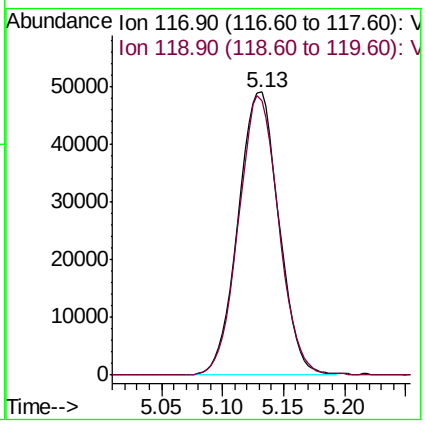


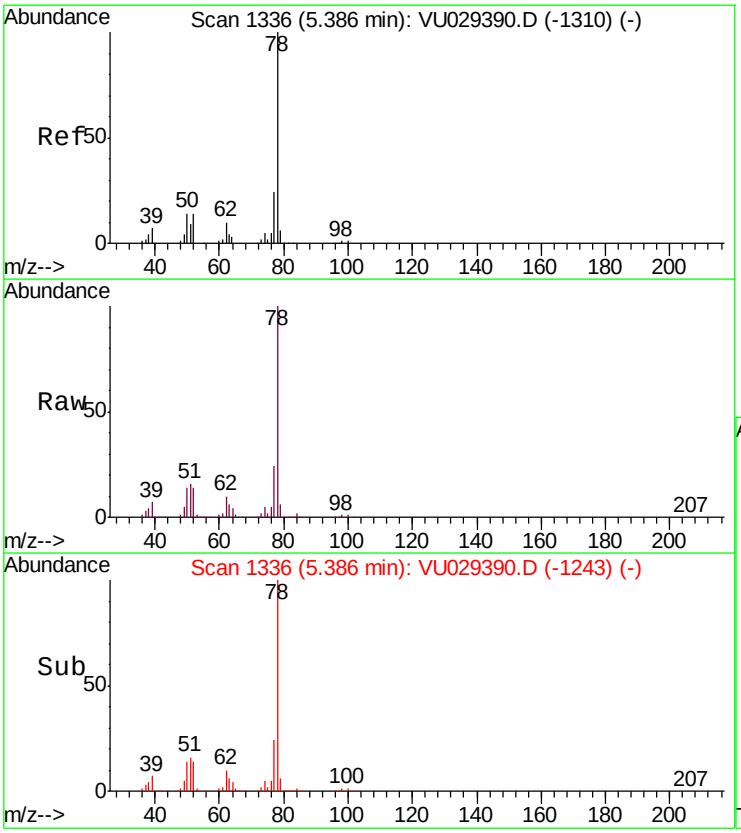
#31
Carbon tetrachloride
Concen: 4.508 ug/L
RT: 5.13 min Scan# 1257
Delta R.T. 0.00 min
Lab File: VU029390.D
Acq: 11 Feb 2019 11:19

Instrument :
MSVOA_U
ClientSampleId :
VSTD00546

Tgt Ion:117 Resp: 113211

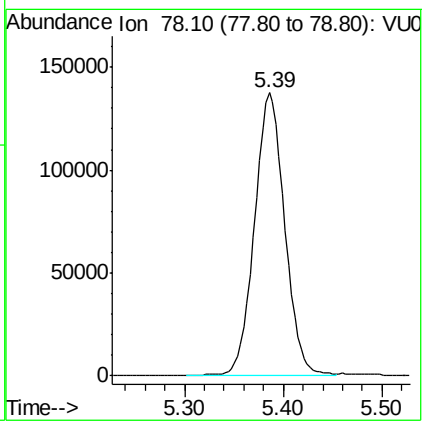
Ion	Ratio	Lower	Upper
117	100		
119	97.7	78.2	117.2

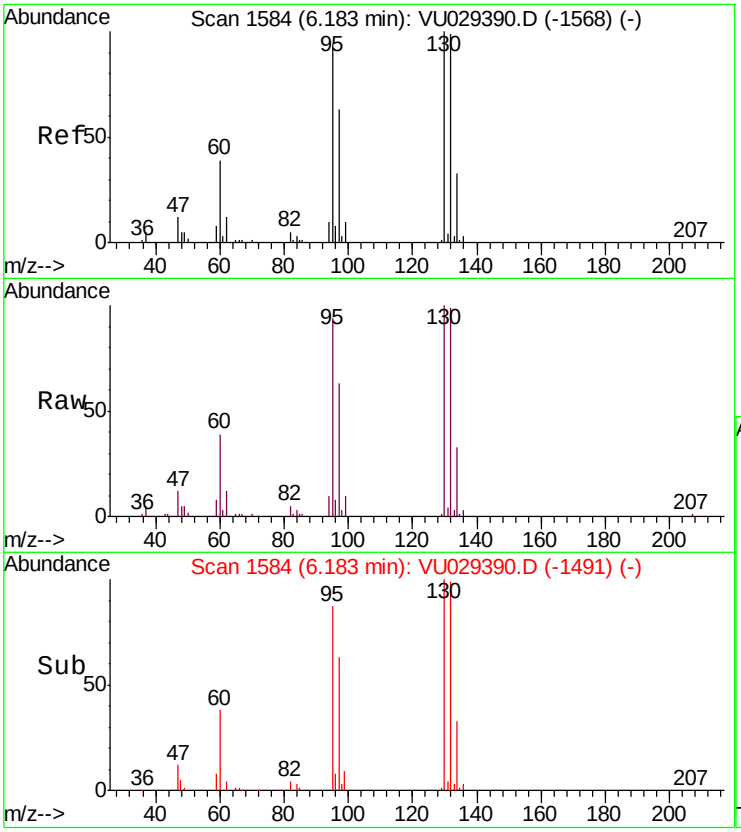




#33
Benzene
Concen: 4.333 ug/L
RT: 5.39 min Scan# 1336
Delta R.T. 0.00 min
Lab File: VU029390.D
Acq: 11 Feb 2019 11:19

Tgt Ion: 78 Resp: 291070



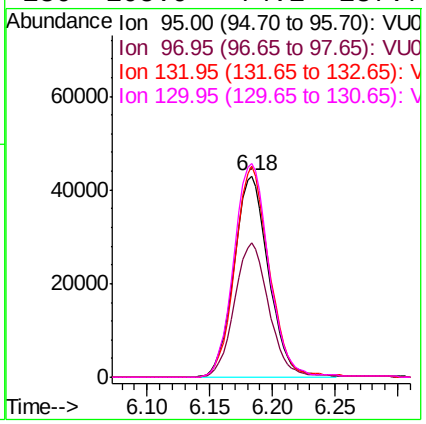


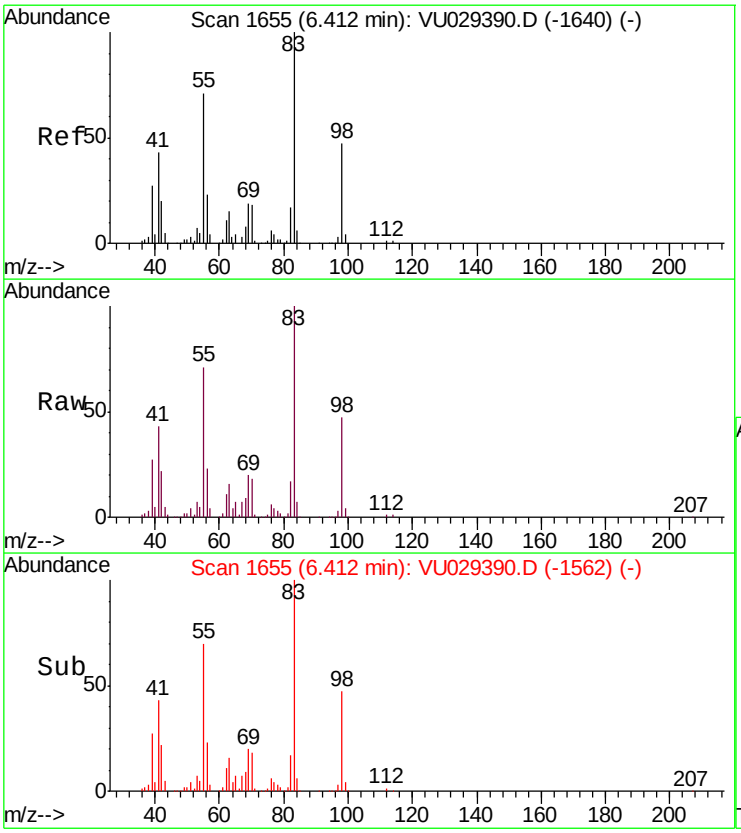
#34
Trichloroethene
Concen: 4.566 ug/L
RT: 6.18 min Scan# 1584
Delta R.T. 0.00 min
Lab File: VU029390.D
Acq: 11 Feb 2019 11:19

Instrument :
MSVOA_U
ClientSampleId :
VSTD00546

Tgt Ion: 95 Resp: 82558

Ion	Ratio	Lower	Upper
95	100		
97	66.5	46.5	86.5
132	104.7	73.3	136.1
130	105.9	74.1	137.7

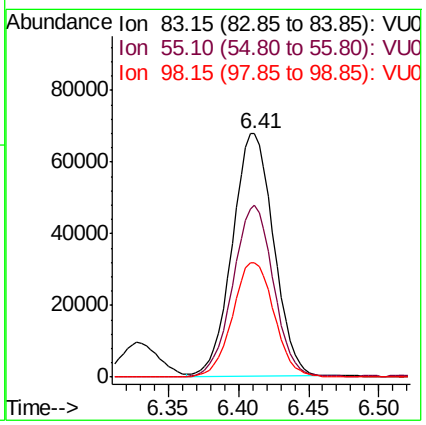


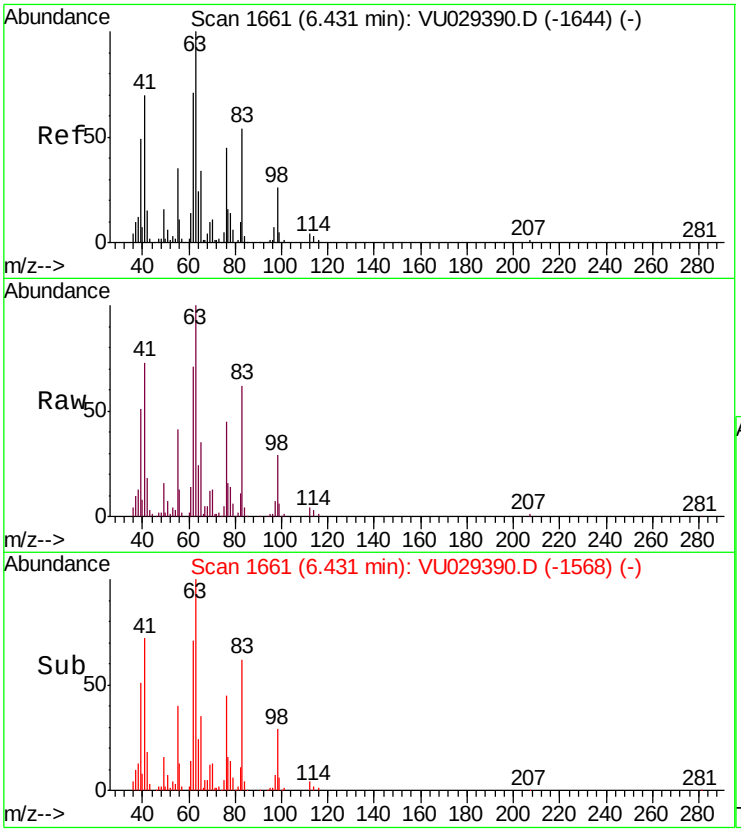


#35
Methylcyclohexane
Concen: 4.743 ug/L
RT: 6.41 min Scan# 1655
Delta R.T. 0.00 min
Lab File: VU029390.D
Acq: 11 Feb 2019 11:19

Tgt Ion: 83 Resp: 139054

Ion	Ratio	Lower	Upper
83	100		
55	69.1	55.3	82.9
98	47.4	37.9	56.9



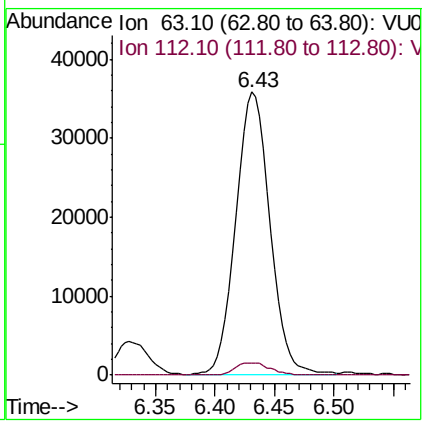


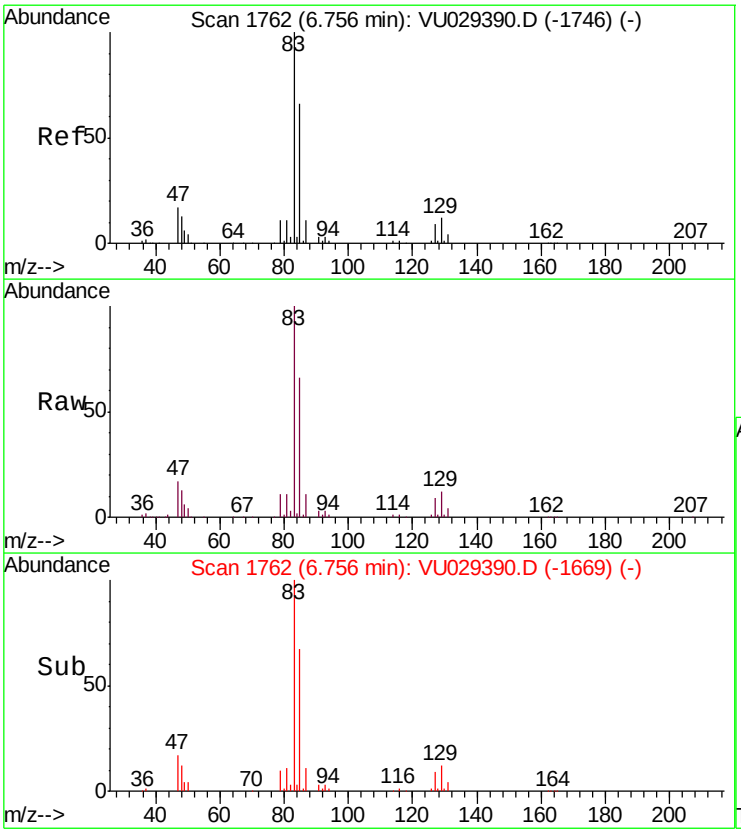
#37
1,2-Dichloropropane
Concen: 4.033 ug/L
RT: 6.43 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VU029390.D
Acq: 11 Feb 2019 11:19

Instrument : MSVOA_U
ClientSampleId : VSTD00546

Tgt Ion: 63 Resp: 70994

Ion	Ratio	Lower	Upper
63	100		
112	4.4	3.5	5.3

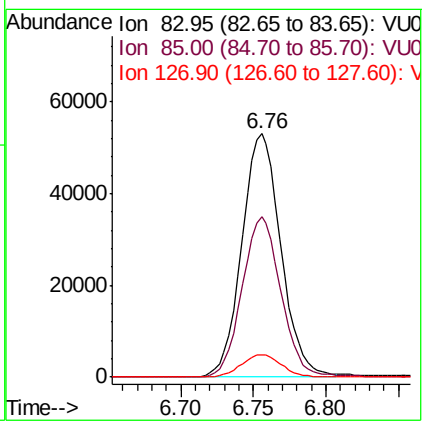


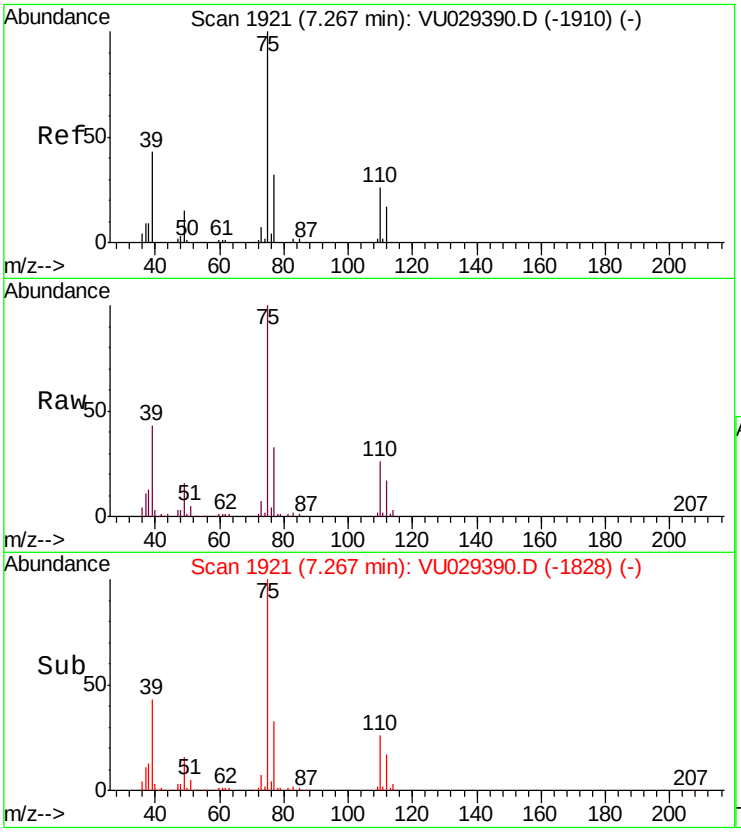


#38
Bromodichloromethane
Concen: 4.235 ug/L
RT: 6.76 min Scan# 1762
Delta R.T. 0.00 min
Lab File: VU029390.D
Acq: 11 Feb 2019 11:19

Tgt Ion: 83 Resp: 99576

Ion	Ratio	Lower	Upper
83	100		
85	65.7	46.0	85.4
127	9.2	7.4	11.0



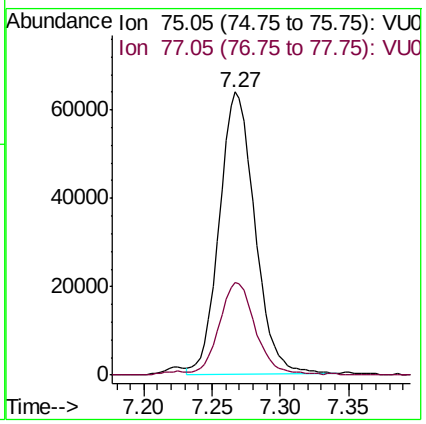


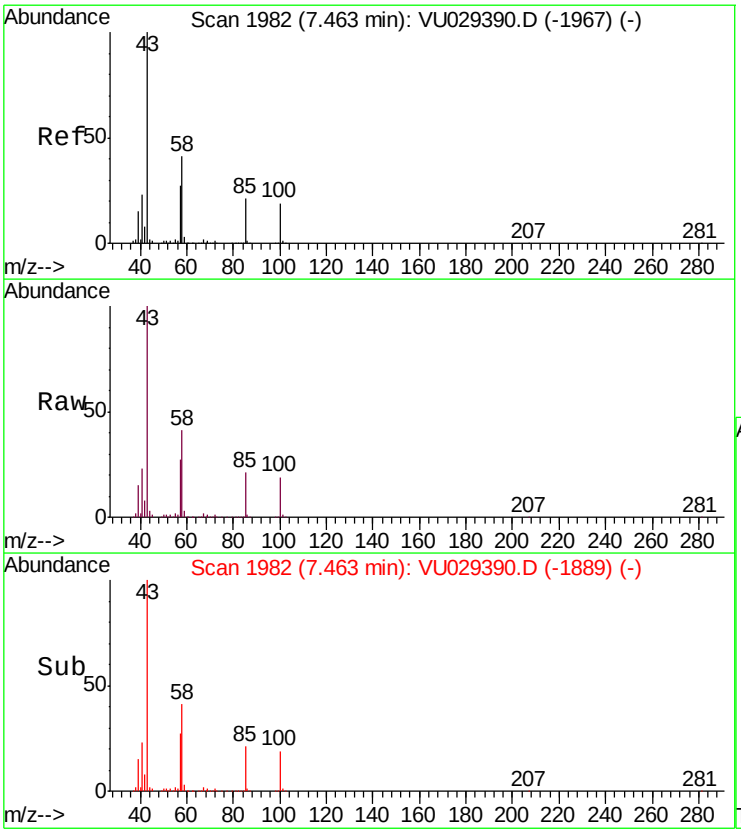
#39
cis-1,3-Dichloropropene
Concen: 4.479 ug/L
RT: 7.27 min Scan# 1921
Delta R.T. 0.00 min
Lab File: VU029390.D
Acq: 11 Feb 2019 11:19

Instrument :
MSVOA_U
ClientSampleId :
VSTD00546

Tgt Ion: 75 Resp: 115100

Ion	Ratio	Lower	Upper
75	100		
77	32.7	22.9	42.5

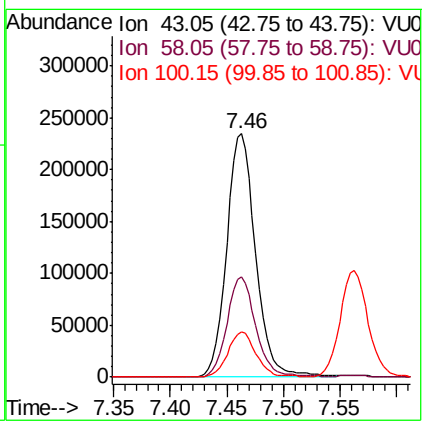


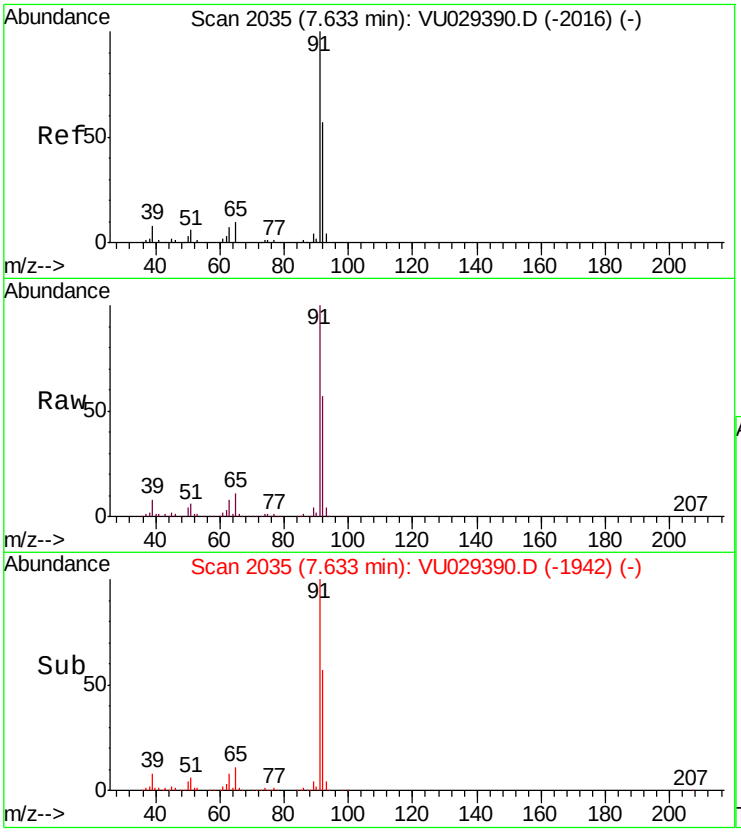


#40
4-Methyl-2-pentanone
Concen: 39.624 ug/L
RT: 7.46 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VU029390.D
Acq: 11 Feb 2019 11:19

Tgt Ion: 43 Resp: 416246

Ion	Ratio	Lower	Upper
43	100		
58	41.2	33.0	49.4
100	18.2	14.6	21.8



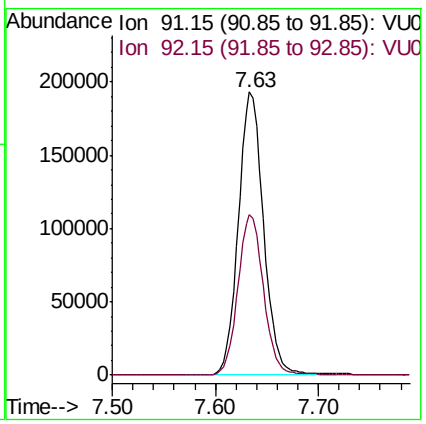


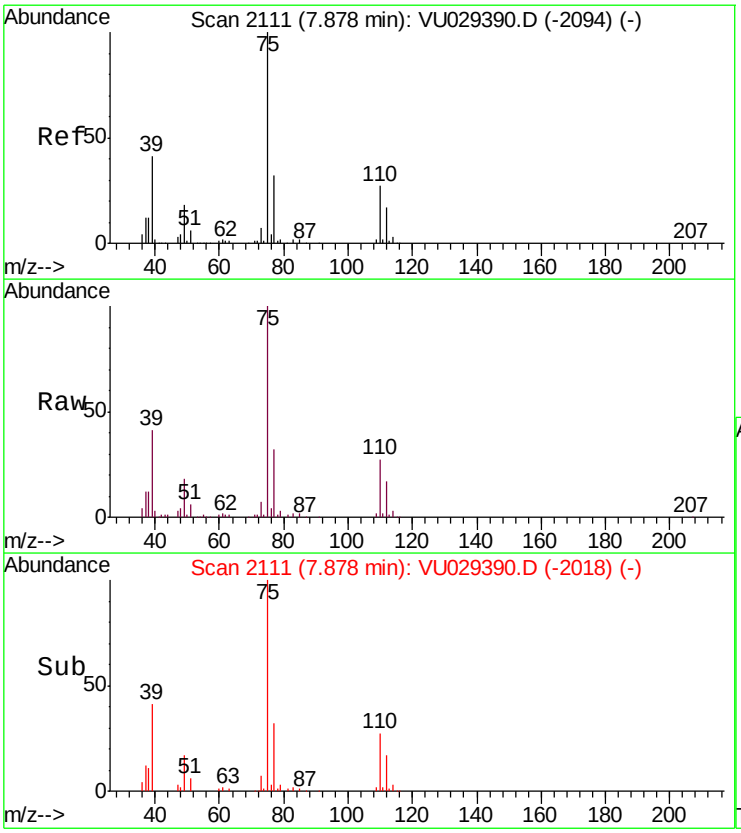
#42
Toluene
Concen: 4.514 ug/L
RT: 7.63 min Scan# 2035
Delta R.T. 0.00 min
Lab File: VU029390.D
Acq: 11 Feb 2019 11:19

Instrument :
MSVOA_U
ClientSampleId :
VSTD00546

Tgt Ion: 91 Resp: 329996

Ion	Ratio	Lower	Upper
91	100		
92	56.7	39.7	73.7

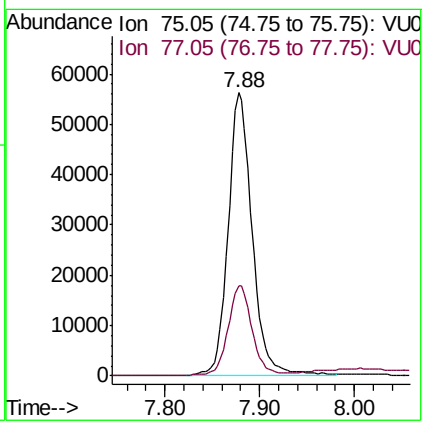


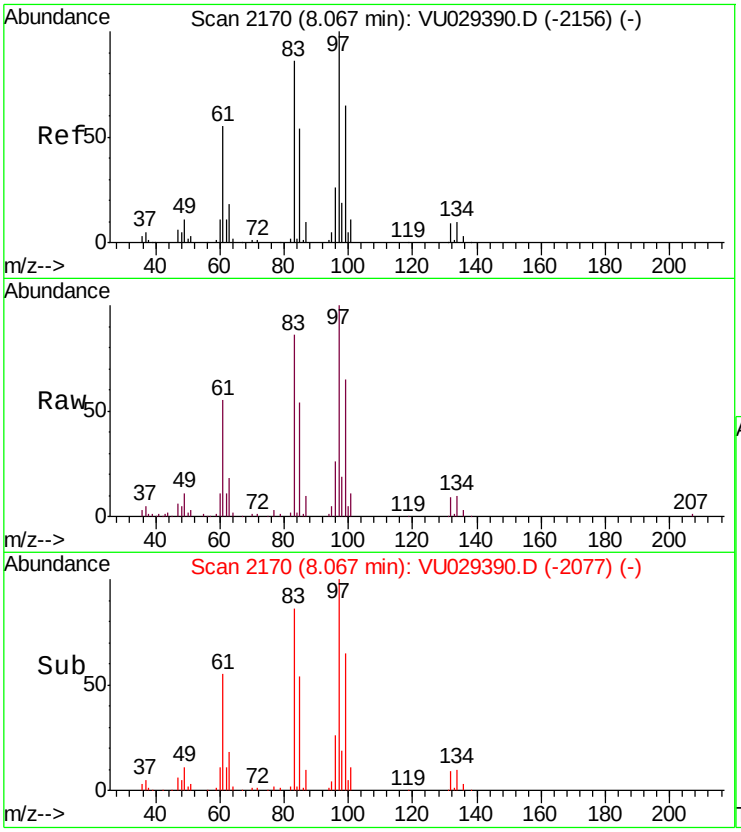


#44
trans-1,3-Dichloropropene
Concen: 4.494 ug/L
RT: 7.88 min Scan# 2111
Delta R.T. 0.00 min
Lab File: VU029390.D
Acq: 11 Feb 2019 11:19

Tgt Ion: 75 Resp: 99632

Ion	Ratio	Lower	Upper
75	100		
77	31.9	22.3	41.5



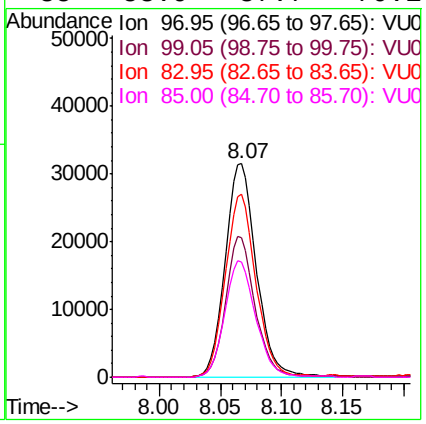


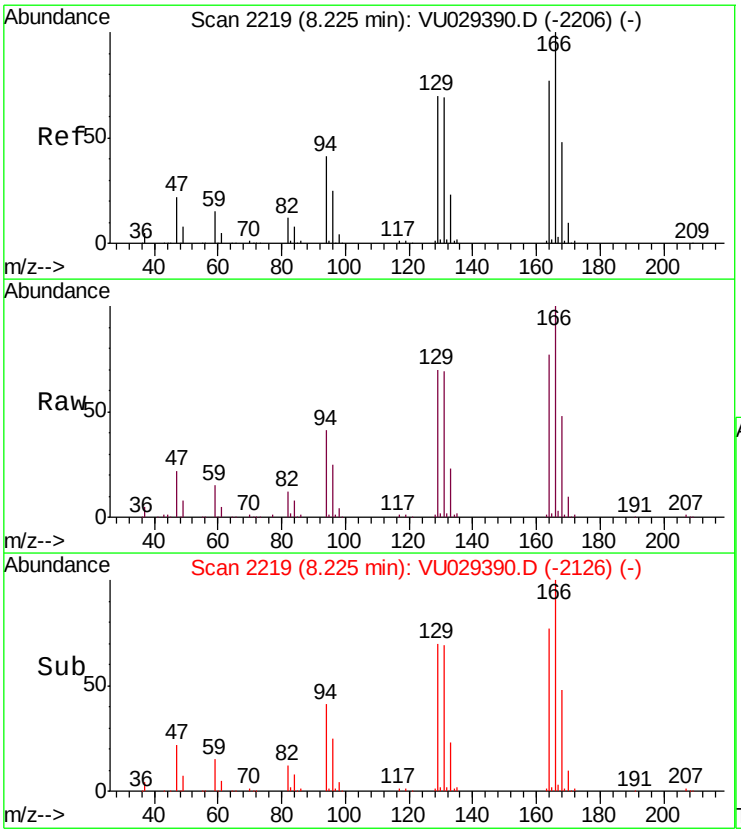
#45
1,1,2-Trichloroethane
Concen: 4.396 ug/L
RT: 8.07 min Scan# 2170
Delta R.T. 0.00 min
Lab File: VU029390.D
Acq: 11 Feb 2019 11:19

Instrument : MSVOA_U
ClientSampleId : VSTD00546

Tgt Ion: 97 Resp: 56395

Ion	Ratio	Lower	Upper
97	100		
99	65.3	45.7	84.9
83	86.0	60.2	111.8
85	53.9	37.7	70.1





#47
Tetrachloroethene
Concen: 4.771 ug/L
RT: 8.22 min Scan# 2219
Delta R.T. 0.00 min
Lab File: VU029390.D
Acq: 11 Feb 2019 11:19

Tgt Ion:164 Resp: 76292

Ion	Ratio	Lower	Upper
164	100		
129	90.6	63.4	117.8
131	88.8	62.2	115.4
166	129.2	90.4	168.0