Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU021819\

Quantitation Report (Not Reviewed)

Data File : VU029524.D
Acq On : 18 Feb 2019 12:57
Operator : JC/SP
Sample : K1489-01DL 5X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ESXF9DL

Quant Time: Feb 19 00:22:43 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Feb 19 00:19:12 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	210187	5.00	ug/L		0.00
28) Chlorobenzene-d5	9.09	117	204153	5.00	ug/L		0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	109597	5.00	ug/L		0.00
System Monitoring Compounds							
4) Vinyl Chloride-d3	1.40	65	62332	4.41	ug/L		0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 88.20%				
7) Chloroethane-d5	1.68	69	63742	5.11	ug/L		0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 102.20%				
11) 1,1-Dichloroethene-d2	2.27	63	103625	3.38	ug/L		0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 67.60%				
20) 2-Butanone-d5	4.20	46	153773	52.37	ug/L		0.01
Spiked Amount 50.000	Range 40 - 130		Recovery = 104.74%				
24) Chloroform-d	4.65	84	112504	5.01	ug/L		0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 100.20%				
26) 1,2-Dichloroethane-d4	5.31	65	60141	5.03	ug/L		0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 100.60%				
32) Benzene-d6	5.34	84	235486	4.80	ug/L		0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 96.00%				
36) 1,2-Dichloropropane-d6	6.33	67	71687	4.94	ug/L		0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 98.80%				
41) Toluene-d8	7.56	98	232387	4.80	ug/L		0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 96.00%				
43) trans-1,3-Dichloropropene-	7.85	79	30306	4.68	ug/L		0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 93.60%				
46) 2-Hexanone-d5	8.31	63	158145	53.01	ug/L		0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 106.02%				
57) 1,1,2,2-Tetrachloroethane-	10.43	84	61858	4.91	ug/L		0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 98.20%				
64) 1,2-Dichlorobenzene-d4	11.86	152	99555	4.92	ug/L		0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 98.40%				
Target Compounds							Qvalue
5) Vinyl chloride	1.40	62	107666	5.319	ug/L		99
6) Bromomethane	1.63	94	656	0.056	ug/L	#	70
8) Chloroethane	1.73	64	1264	0.096	ug/L	#	54
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	1250	0.068	ug/L	#	27
12) 1,1-Dichloroethene	2.27	96	1657	0.096	ug/L	#	1
13) Acetone	2.34	43	3019	1.132	ug/L		82
16) Methylene chloride	2.70	84	6636	0.341	ug/L		94
17) Methyl tert-butyl Ether	3.01	73	4187	0.097	ug/L	#	80
18) trans-1,2-Dichloroethene	2.98	96	4221	0.229	ug/L		98
22) cis-1,2-Dichloroethene	4.22	96	199133	11.737	ug/L		97
25) Chloroform	4.67	83	2905	0.104	ug/L		96
34) Trichloroethene	6.18	95	1666	0.099	ug/L		87
35) Methylcyclohexane	6.33	83	17628	0.620	ug/L	#	21
37) 1,2-Dichloropropane	6.33	63	7455	0.495	ug/L	#	87
40) 4-Methyl-2-pentanone	7.47	43	3426	0.395	ug/L	#	77
48) 2-Hexanone	8.37	43	2576	0.407	ug/L	#	87
49) Dibromochloromethane	8.22	129	920	0.059	ug/L	#	11

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU021819\

Quantitation Report (Not Reviewed)

Data File : VU029524.D
Acq On : 18 Feb 2019 12:57
Operator : JC/SP
Sample : K1489-01DL 5X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ESXF9DL

Quant Time: Feb 19 00:22:43 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Feb 19 00:19:12 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
59) 1,2,3-Trichloropropane	11.48	75	11078	1.147	ug/L	90
67) 1,3,5-Trichlorobenzene	12.89	180	2071	0.064	ug/L	92
68) 1,2,4-trichlorobenzene	13.51	180	2205	0.081	ug/L	85

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

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU021819\

Quantitation Report (Not Reviewed)

Data File : VU029524.D
Acq On : 18 Feb 2019 12:57
Operator : JC/SP
Sample : K1489-01DL 5X
Misc : 25.0mL/MSVOA_U/WATER
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ClientSampleId :
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Quant Time: Feb 19 00:22:43 2019
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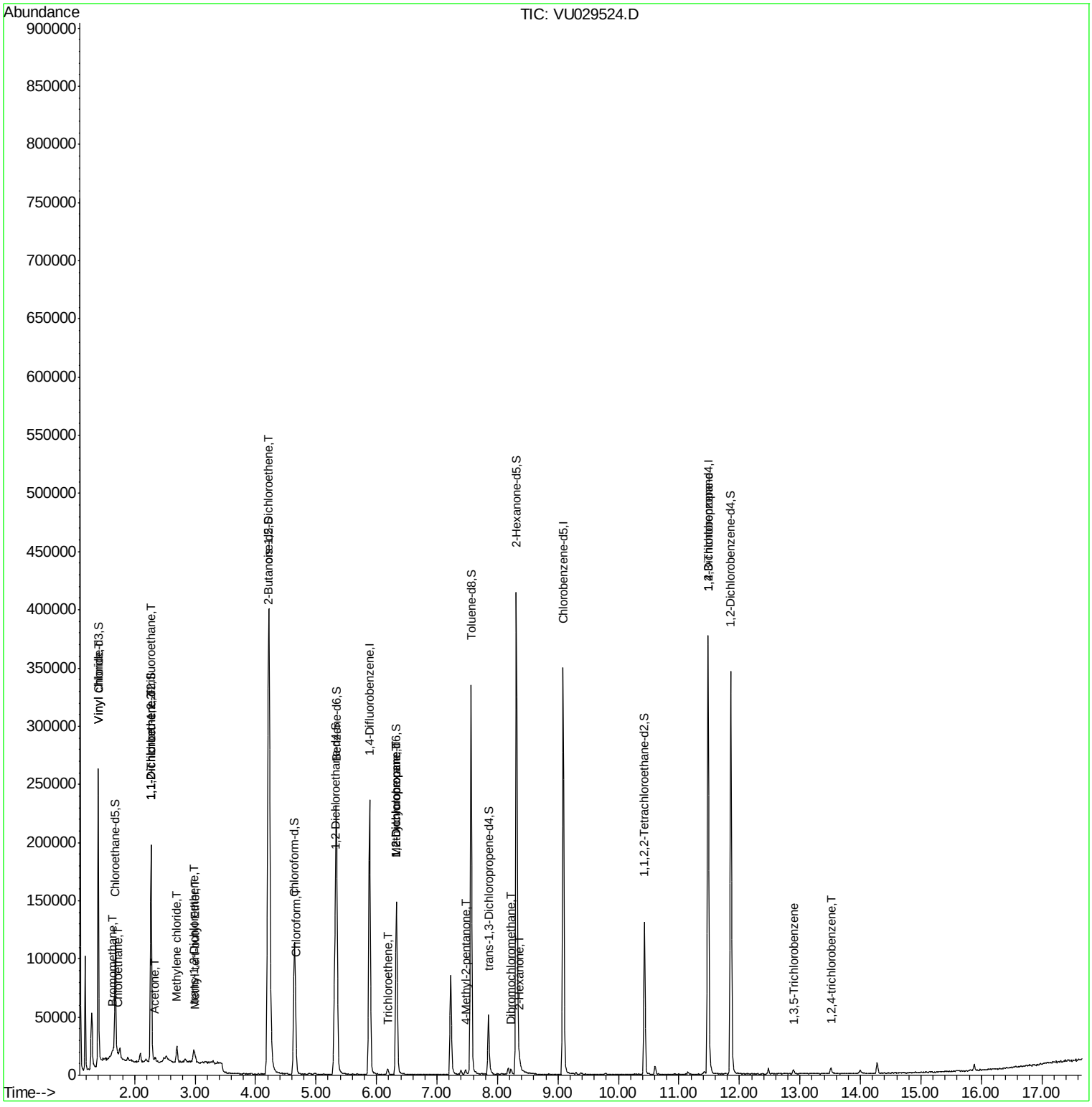
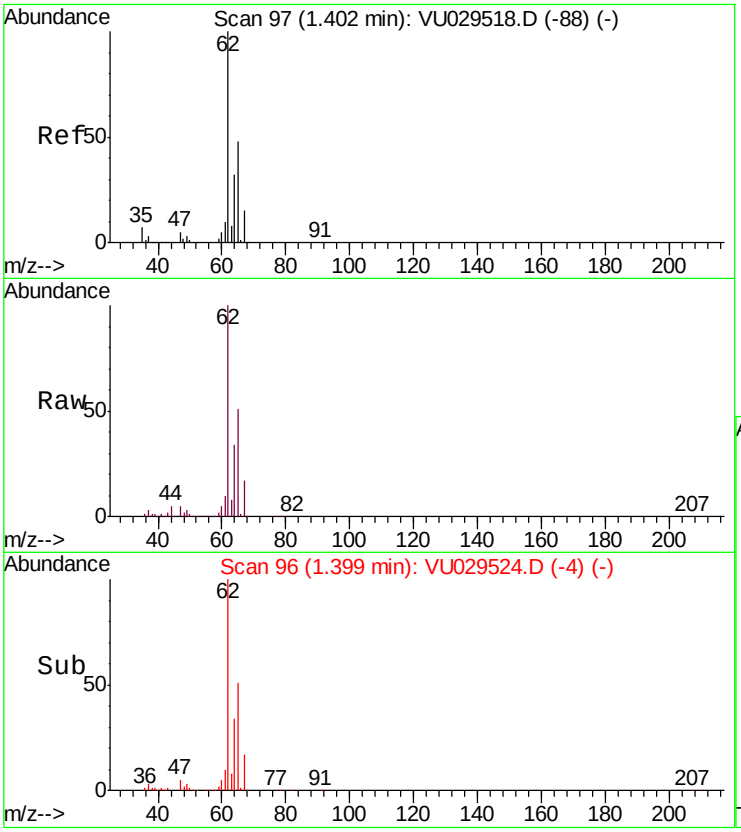
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Feb 19 00:19:12 2019
Response via : Initial Calibration



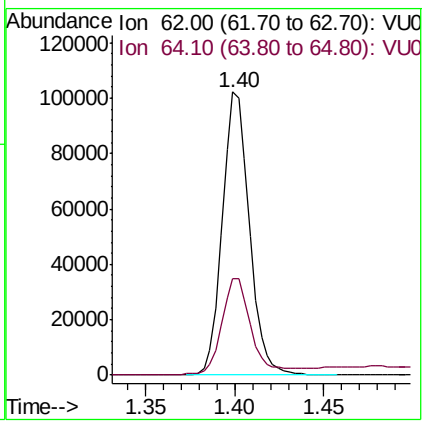


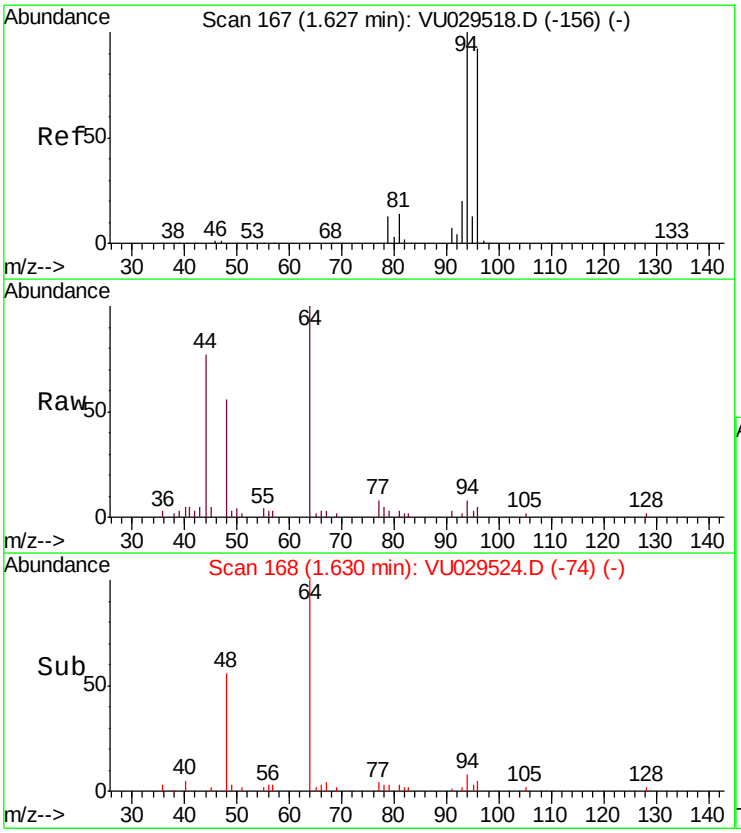
#5
Vinyl chloride
Concen: 5.319 ug/L
RT: 1.40 min Scan# 96
Delta R.T. -0.00 min
Lab File: VU029524.D
Acq: 18 Feb 2019 12:57

Instrument :
MSVOA_U
ClientSampleId :
ESXF9DL

Tgt Ion: 62 Resp: 107666

Ion	Ratio	Lower	Upper
62	100		
64	34.2	23.5	43.7

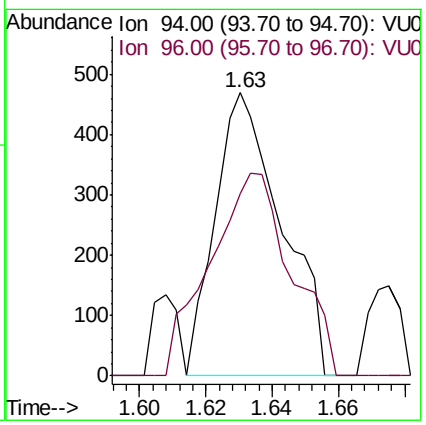


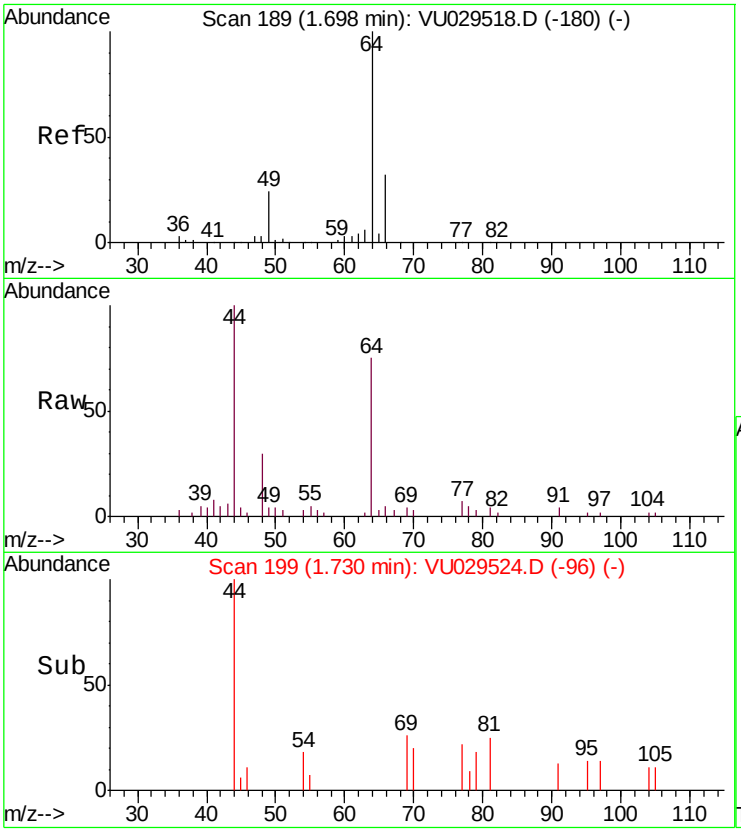


#6
Bromomethane
Concen: 0.056 ug/L
RT: 1.63 min Scan# 168
Delta R.T. 0.00 min
Lab File: VU029524.D
Acq: 18 Feb 2019 12:57

Tgt Ion: 94 Resp: 656

Ion	Ratio	Lower	Upper
94	100		
96	64.4	65.2	121.0#



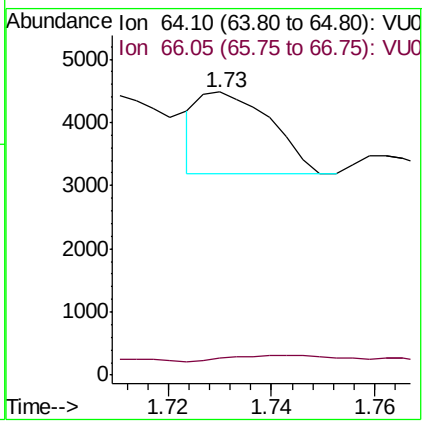


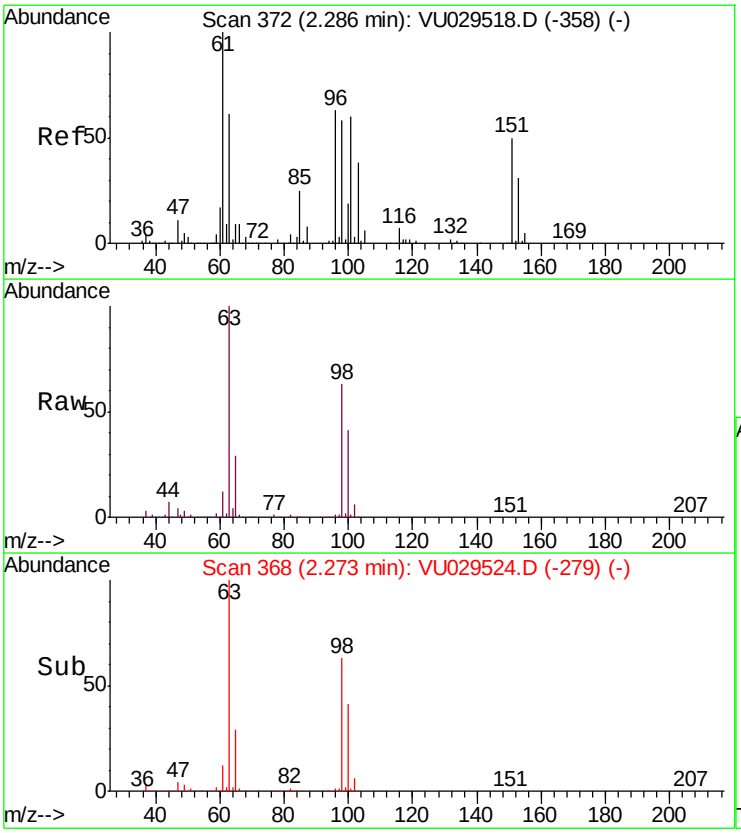
#8
Chloroethane
Concen: 0.096 ug/L
RT: 1.73 min Scan# 199
Delta R.T. 0.03 min
Lab File: VU029524.D
Acq: 18 Feb 2019 12:57

Instrument :
MSVOA_U
ClientSampleId :
ESXF9DL

Tgt Ion: 64 Resp: 1264

Ion	Ratio	Lower	Upper
64	100		
66	6.0	22.0	40.8#

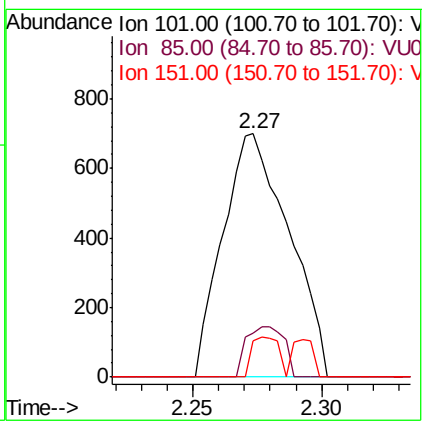


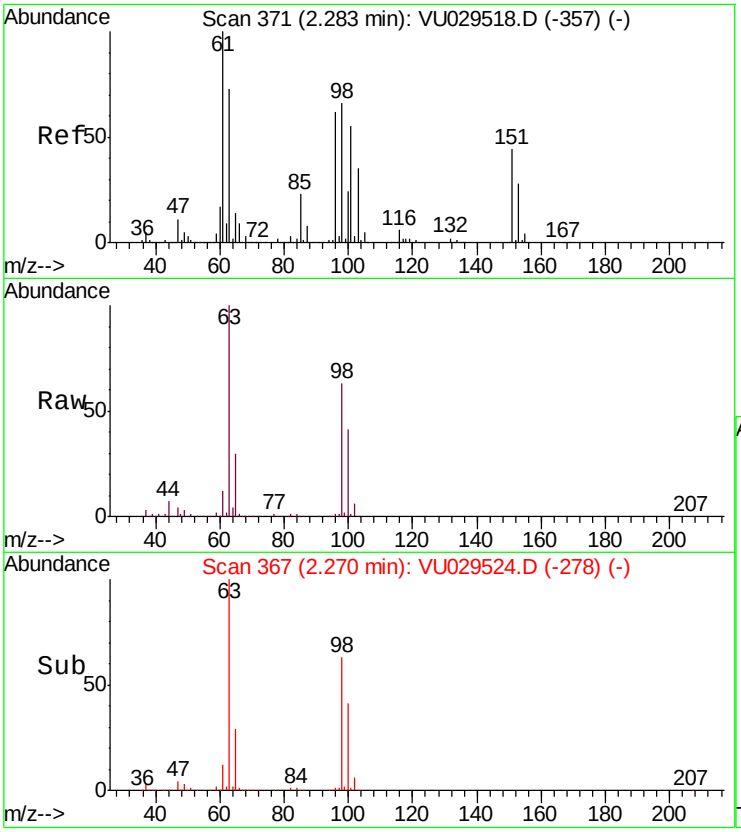


#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.068 ug/L
RT: 2.27 min Scan# 368
Delta R.T. -0.01 min
Lab File: VU029524.D
Acq: 18 Feb 2019 12:57

Tgt Ion:101 Resp: 1250

Ion	Ratio	Lower	Upper
101	100		
85	11.8	35.1	52.7#
151	6.6	67.0	100.6#



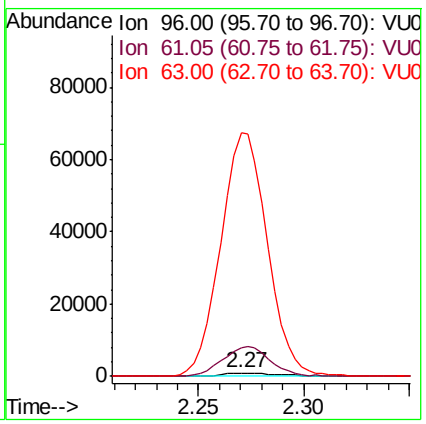


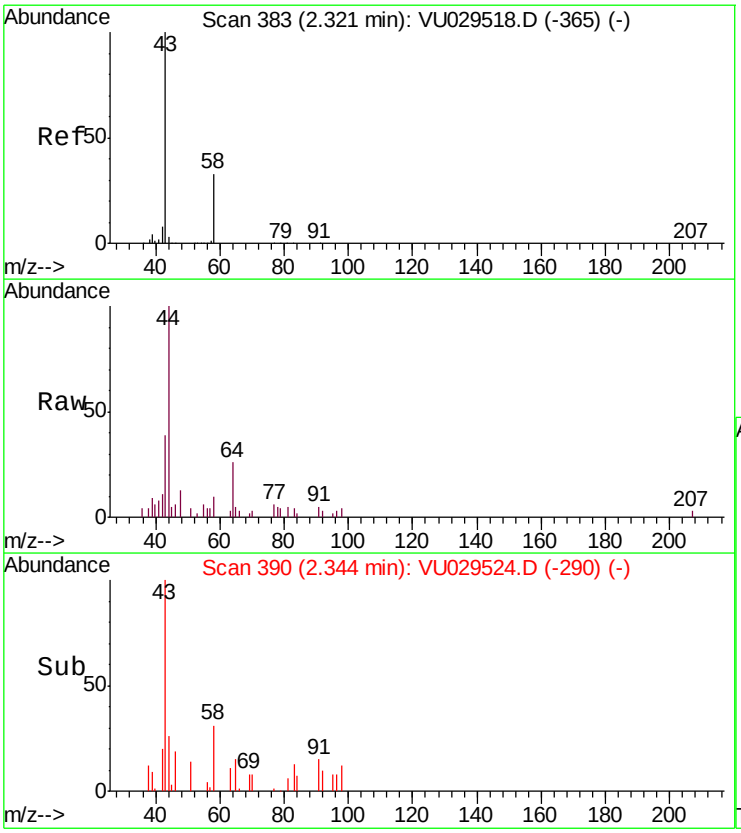
#12
1,1-Dichloroethene
Concen: 0.096 ug/L
RT: 2.27 min Scan# 367
Delta R.T. -0.01 min
Lab File: VU029524.D
Acq: 18 Feb 2019 12:57

Instrument :
MSVOA_U
ClientSampleId :
ESXF9DL

Tgt Ion: 96 Resp: 1657

Ion	Ratio	Lower	Upper
96	100		
61	931.1	115.1	213.7#
63	7965.0	83.5	155.1#

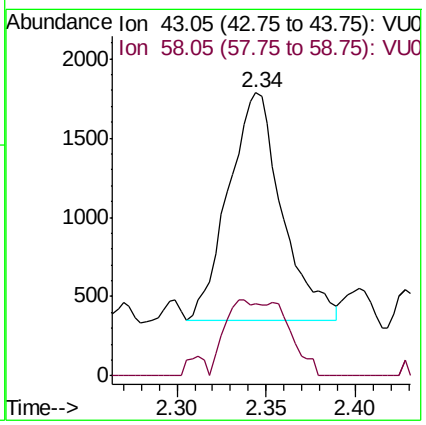


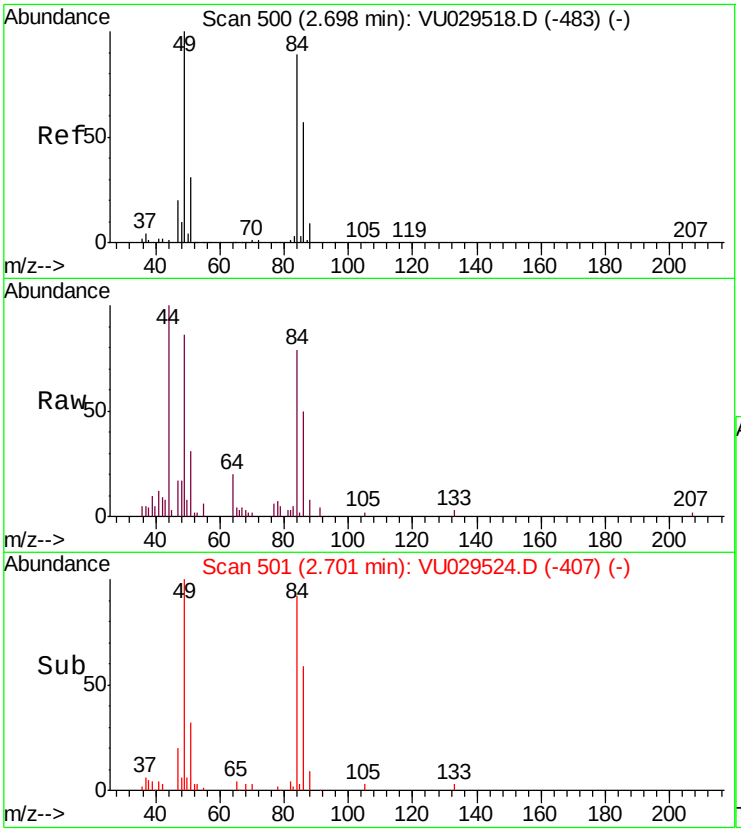


#13
Acetone
Concen: 1.132 ug/L
RT: 2.34 min Scan# 390
Delta R.T. 0.02 min
Lab File: VU029524.D
Acq: 18 Feb 2019 12:57

Tgt Ion: 43 Resp: 3019

Ion	Ratio	Lower	Upper
43	100		
58	22.2	0.0	65.0



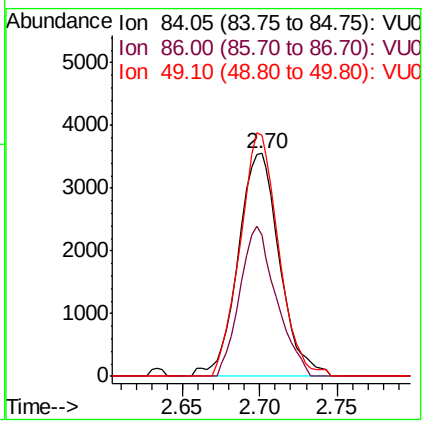


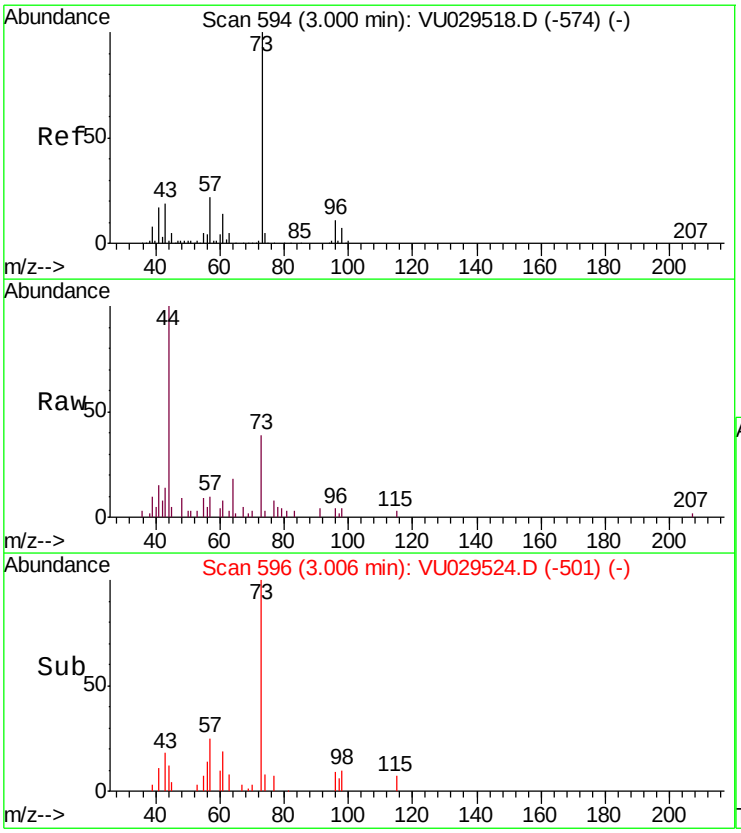
#16
Methylene chloride
Concen: 0.341 ug/L
RT: 2.70 min Scan# 501
Delta R.T. 0.00 min
Lab File: VU029524.D
Acq: 18 Feb 2019 12:57

Instrument :
MSVOA_U
ClientSampleId :
ESXF9DL

Tgt Ion: 84 Resp: 6636

Ion	Ratio	Lower	Upper
84	100		
86	63.4	45.1	83.9
49	108.2	81.8	151.8

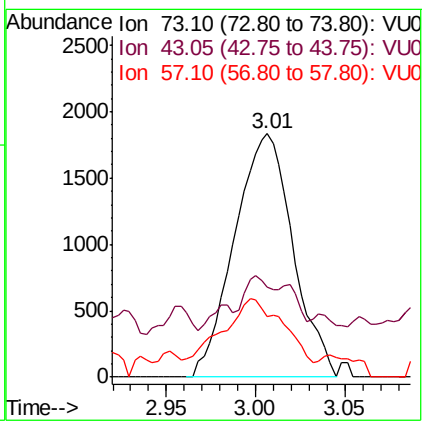


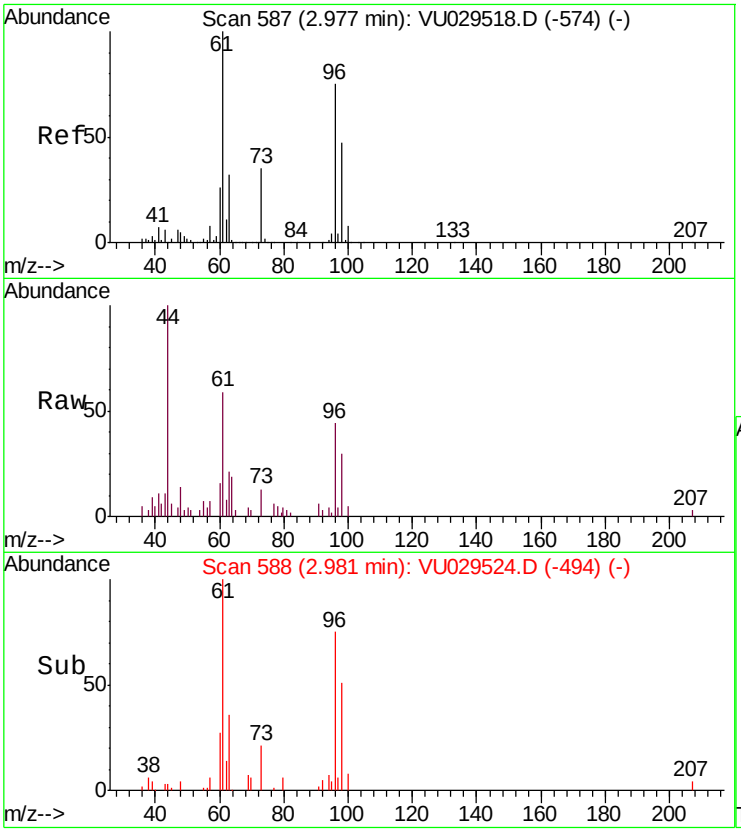


#17
Methyl tert-butyl Ether
Concen: 0.097 ug/L
RT: 3.01 min Scan# 596
Delta R.T. 0.01 min
Lab File: VU029524.D
Acq: 18 Feb 2019 12:57

Tgt Ion: 73 Resp: 4187

Ion	Ratio	Lower	Upper
73	100		
43	5.9	16.0	24.0#
57	25.6	16.9	25.3#



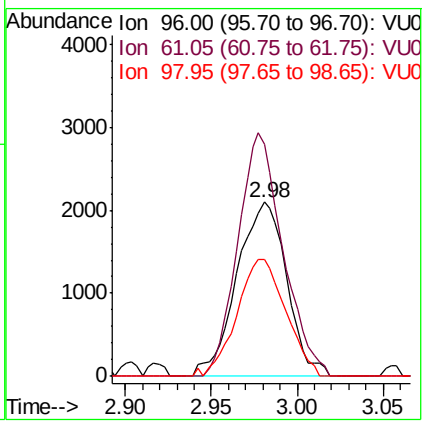


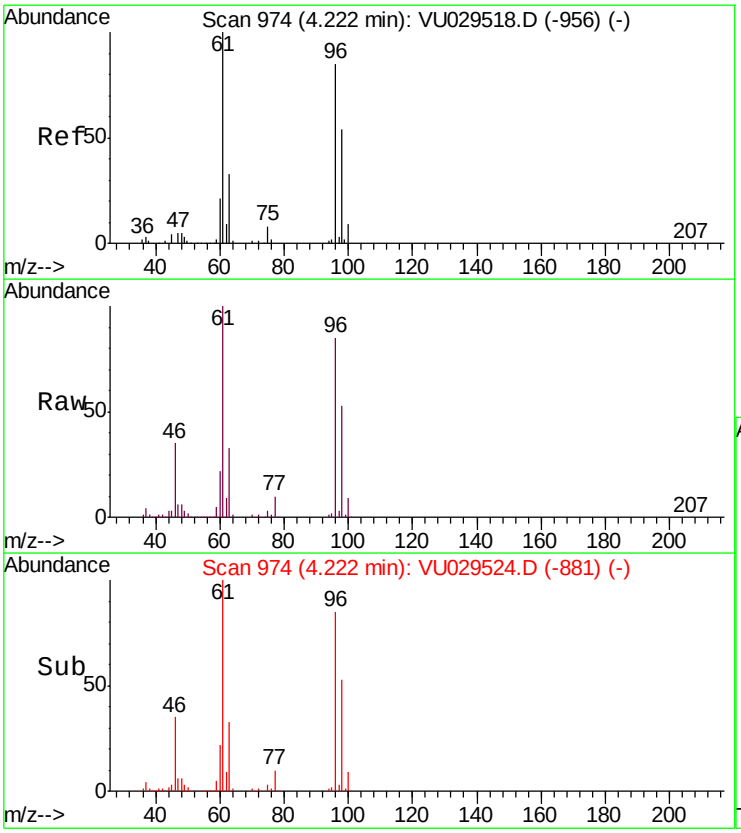
#18
trans-1,2-Dichloroethene
Concen: 0.229 ug/L
RT: 2.98 min Scan# 588
Delta R.T. 0.00 min
Lab File: VU029524.D
Acq: 18 Feb 2019 12:57

Instrument :
MSVOA_U
ClientSampleId :
ESXF9DL

Tgt Ion: 96 Resp: 4221

Ion	Ratio	Lower	Upper
96	100		
61	133.2	95.4	177.2
98	67.3	45.8	85.2

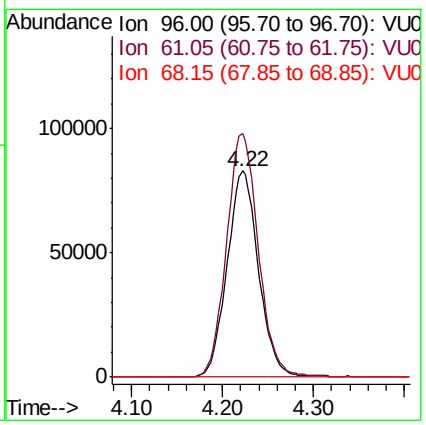


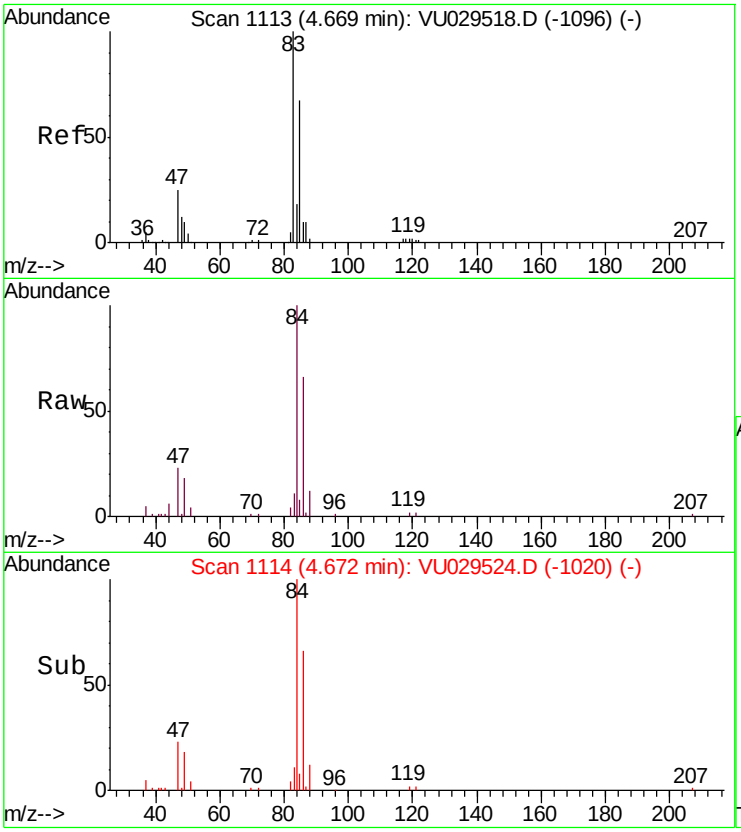


#22
cis-1,2-Dichloroethene
Concen: 11.737 ug/L
RT: 4.22 min Scan# 974
Delta R.T. 0.00 min
Lab File: VU029524.D
Acq: 18 Feb 2019 12:57

Tgt Ion: 96 Resp: 199133

Ion	Ratio	Lower	Upper
96	100		
61	118.0	79.9	148.5
68	0.0	0.0	0.0



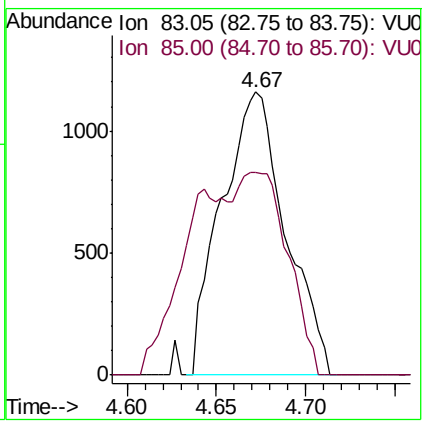


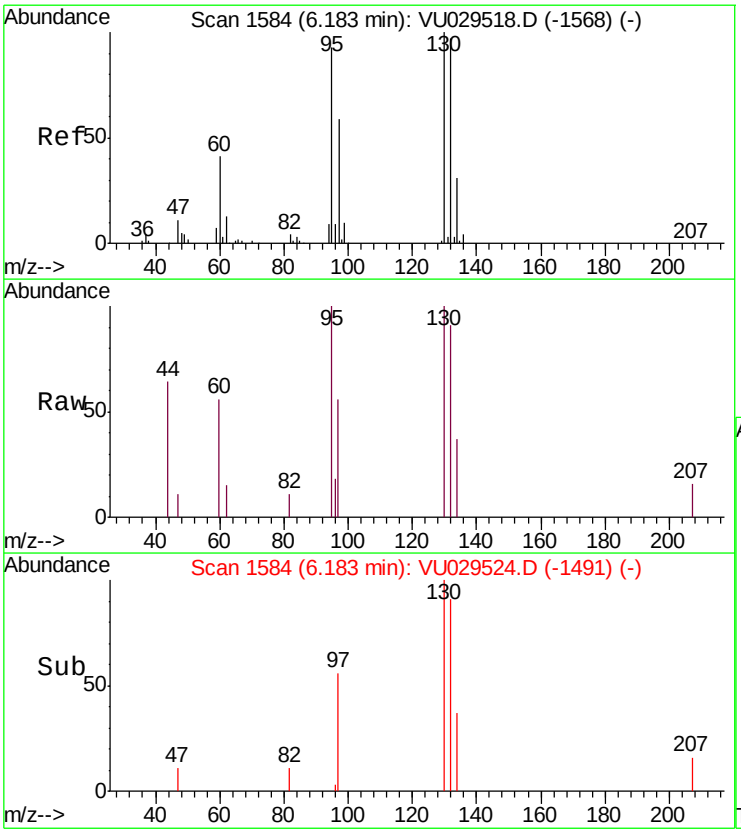
#25
Chloroform
Concen: 0.104 ug/L
RT: 4.67 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VU029524.D
Acq: 18 Feb 2019 12:57

Instrument : MSVOA_U
ClientSampleId : ESXF9DL

Tgt Ion: 83 Resp: 2905

Ion	Ratio	Lower	Upper
83	100		
85	71.4	47.8	88.8

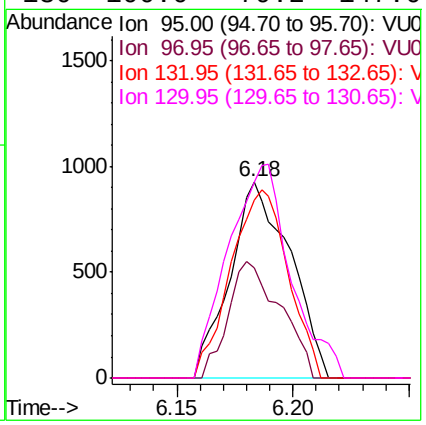


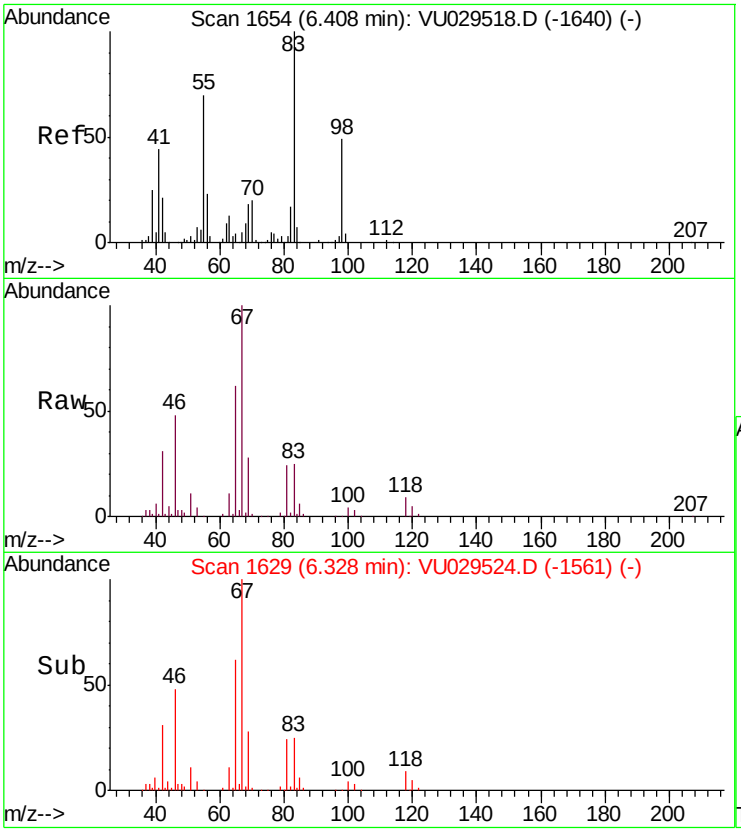


#34
Trichloroethene
Concen: 0.099 ug/L
RT: 6.18 min Scan# 1584
Delta R.T. 0.00 min
Lab File: VU029524.D
Acq: 18 Feb 2019 12:57

Tgt Ion: 95 Resp: 1666

Ion	Ratio	Lower	Upper
95	100		
97	56.2	46.3	86.1
132	90.5	72.9	135.3
130	100.0	79.2	147.0



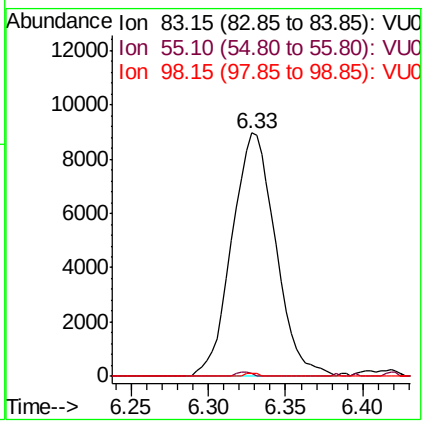


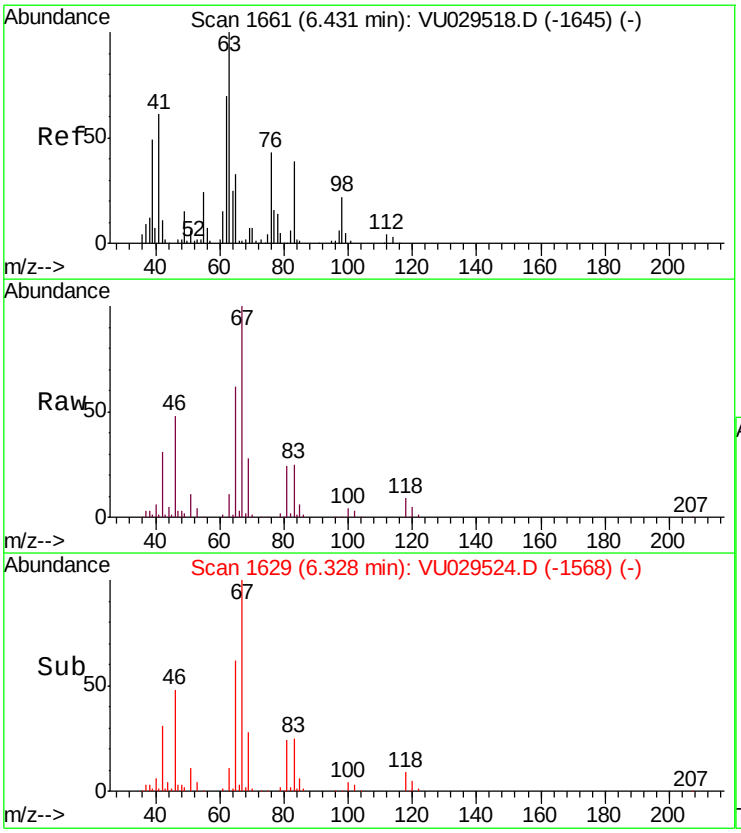
#35
Methylcyclohexane
Concen: 0.620 ug/L
RT: 6.33 min Scan# 1629
Delta R.T. -0.08 min
Lab File: VU029524.D
Acq: 18 Feb 2019 12:57

Instrument :
MSVOA_U
ClientSampleId :
ESXF9DL

Tgt Ion: 83 Resp: 17628

Ion	Ratio	Lower	Upper
83	100		
55	0.6	55.9	83.9#
98	0.4	38.6	57.8#

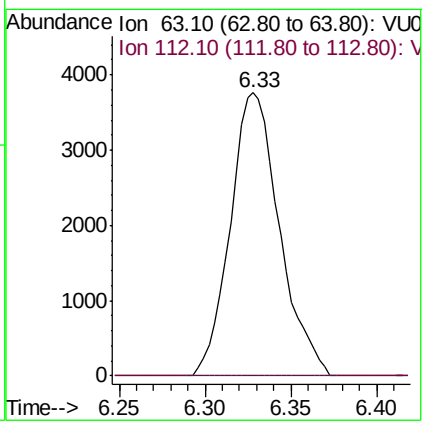


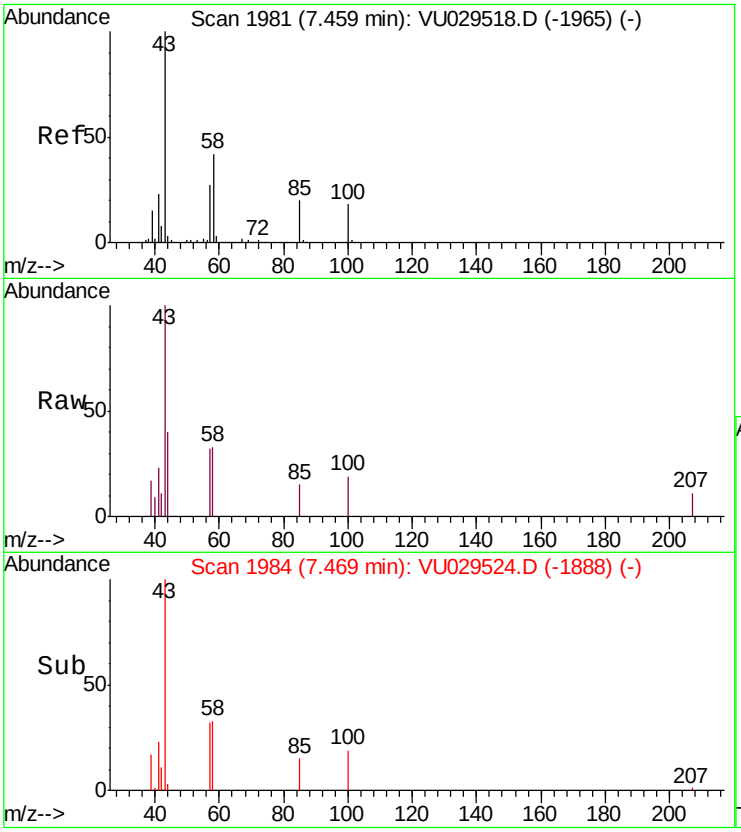


#37
1,2-Dichloropropane
Concen: 0.495 ug/L
RT: 6.33 min Scan# 1629
Delta R.T. -0.10 min
Lab File: VU029524.D
Acq: 18 Feb 2019 12:57

Tgt Ion: 63 Resp: 7455

Ion	Ratio	Lower	Upper
63	100		
112	0.0	3.5	5.3#



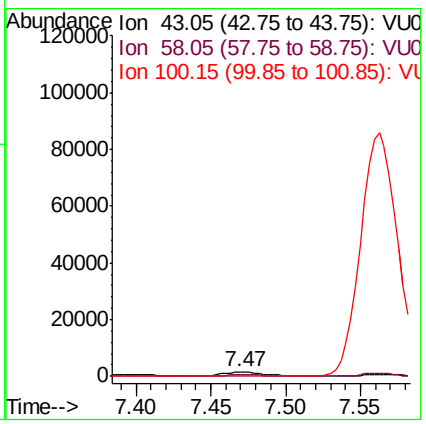


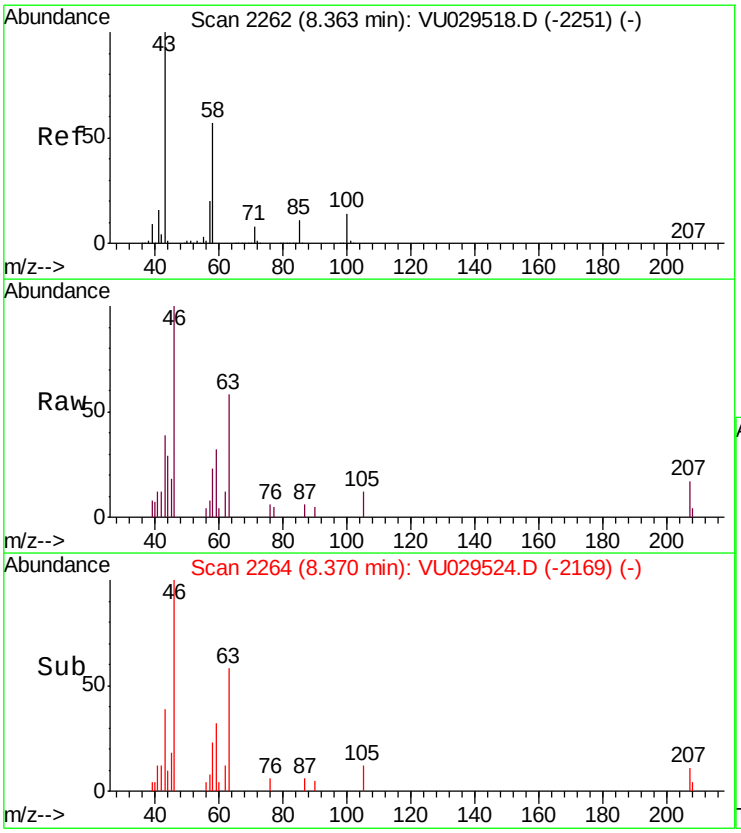
#40
4-Methyl-2-pentanone
Concen: 0.395 ug/L
RT: 7.47 min Scan# 1984
Delta R.T. 0.01 min
Lab File: VU029524.D
Acq: 18 Feb 2019 12:57

Instrument :
MSVOA_U
ClientSampleId :
ESXF9DL

Tgt Ion: 43 Resp: 3426

Ion	Ratio	Lower	Upper
43	100		
58	31.7	33.4	50.2#
100	0.0	14.4	21.6#

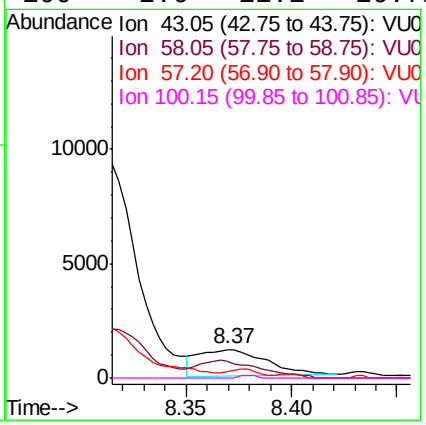


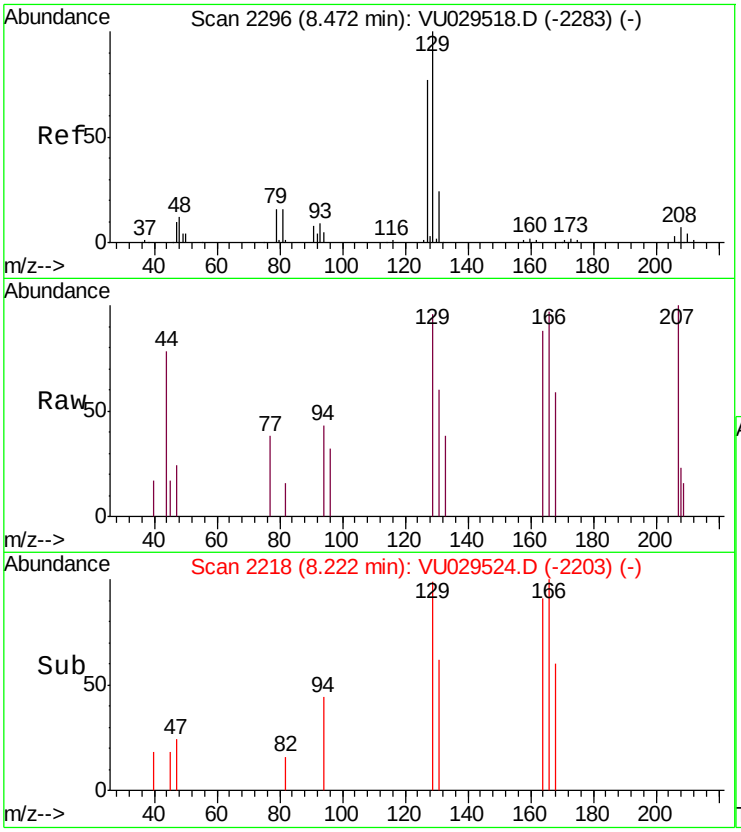


#48
2-Hexanone
Concen: 0.407 ug/L
RT: 8.37 min Scan# 2264
Delta R.T. 0.01 min
Lab File: VU029524.D
Acq: 18 Feb 2019 12:57

Tgt Ion: 43 Resp: 2576

Ion	Ratio	Lower	Upper
43	100		
58	63.5	45.7	68.5
57	14.6	16.4	24.6#
100	2.6	11.1	16.7#



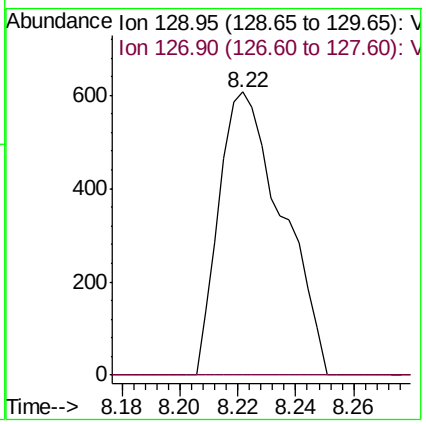


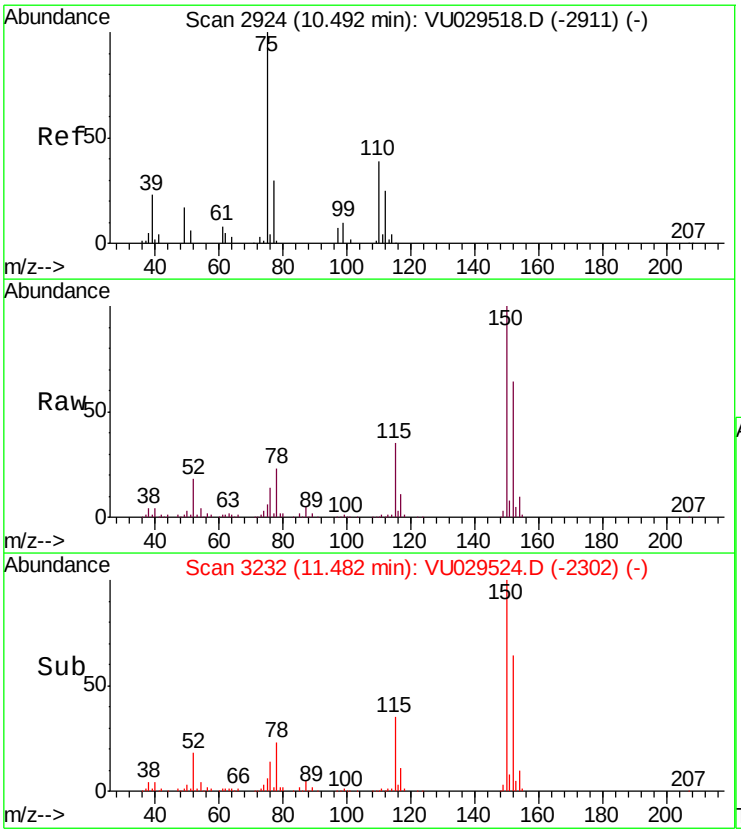
#49
Dibromochloromethane
Concen: 0.059 ug/L
RT: 8.22 min Scan# 2218
Delta R.T. -0.25 min
Lab File: VU029524.D
Acq: 18 Feb 2019 12:57

Instrument :
MSVOA_U
ClientSampleId :
ESXF9DL

Tgt Ion:129 Resp: 920

Ion	Ratio	Lower	Upper
129	100		
127	0.0	53.3	99.1#

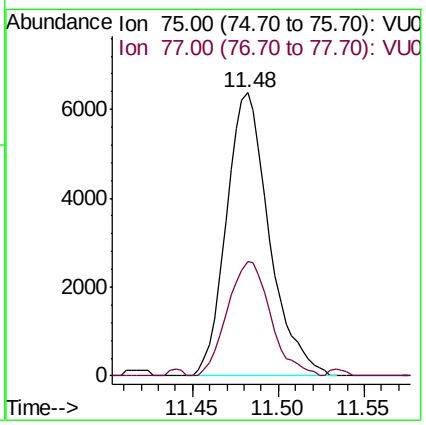


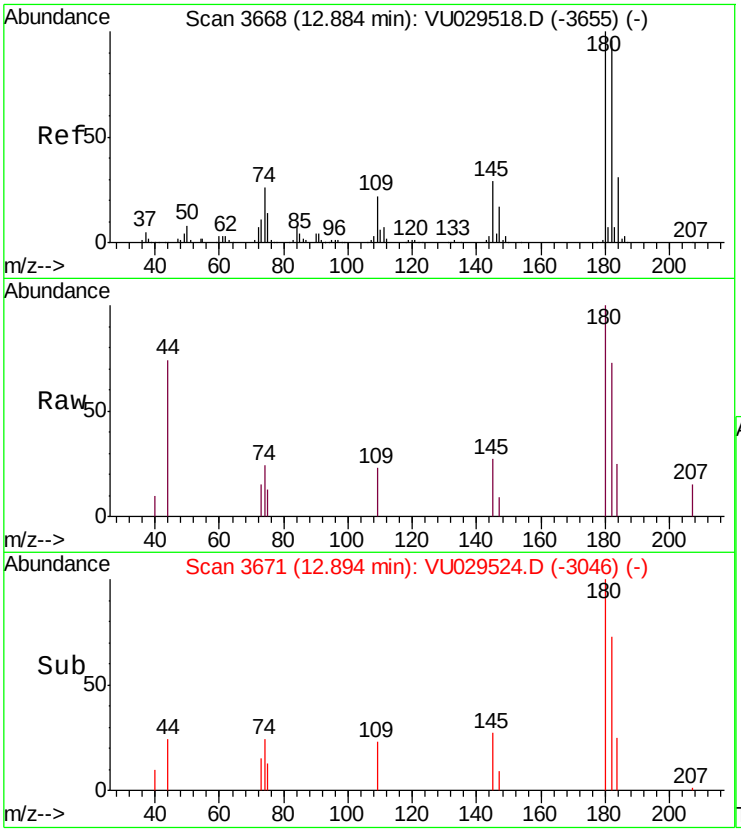


#59
1,2,3-Trichloropropane
Concen: 1.147 ug/L
RT: 11.48 min Scan# 3232
Delta R.T. 0.99 min
Lab File: VU029524.D
Acq: 18 Feb 2019 12:57

Tgt Ion: 75 Resp: 11078

Ion	Ratio	Lower	Upper
75	100		
77	40.7	28.2	42.2



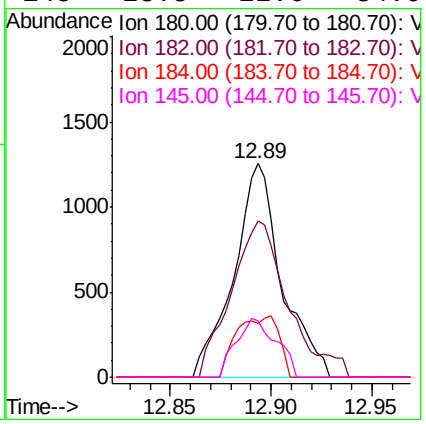


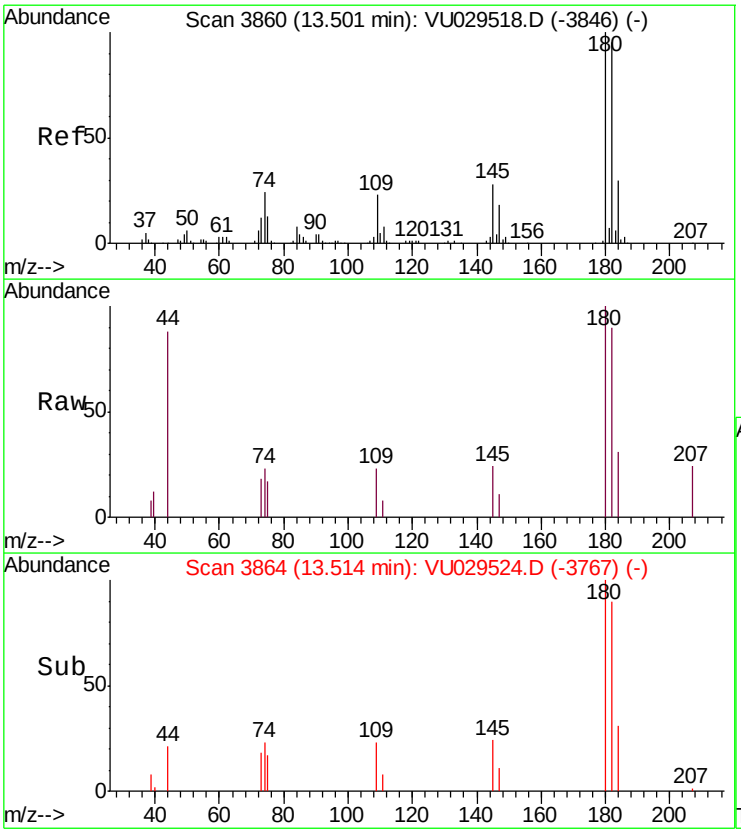
#67
1,3,5-Trichlorobenzene
Concen: 0.064 ug/L
RT: 12.89 min Scan# 3671
Delta R.T. 0.01 min
Lab File: VU029524.D
Acq: 18 Feb 2019 12:57

Instrument :
MSVOA_U
ClientSampleId :
ESXF9DL

Tgt Ion:180 Resp: 2071

Ion	Ratio	Lower	Upper
180	100		
182	87.0	76.0	114.0
184	25.8	24.1	36.1
145	23.5	22.6	34.0





#68
1,2,4-trichlorobenzene
Concen: 0.081 ug/L
RT: 13.51 min Scan# 3864
Delta R.T. 0.01 min
Lab File: VU029524.D
Acq: 18 Feb 2019 12:57

Tgt Ion:180 Resp: 2205

Ion	Ratio	Lower	Upper
180	100		
182	114.5	77.1	115.7
145	26.3	23.1	34.7