Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU021619\

Quantitation Report (Not Reviewed)

Data File : VU029513.D
Acq On : 15 Feb 2019 22:05
Operator : JC/SP
Sample : K1489-02
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ESXG0

Quant Time: Feb 16 00:19:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Feb 16 00:13:53 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	186205	5.00	ug/L		0.00
28) Chlorobenzene-d5	9.09	117	178822	5.00	ug/L		0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	96487	5.00	ug/L		0.00
System Monitoring Compounds							
4) Vinyl Chloride-d3	1.40	65	63201	5.05	ug/L		0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 101.00%				
7) Chloroethane-d5	1.68	69	54015	4.89	ug/L		0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 97.80%				
11) 1,1-Dichloroethene-d2	2.27	63	95399	3.51	ug/L		0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 70.20%				
20) 2-Butanone-d5	4.19	46	130541	50.19	ug/L		0.00
Spiked Amount 50.000	Range 40 - 130		Recovery = 100.38%				
24) Chloroform-d	4.65	84	98302	4.94	ug/L		0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 98.80%				
26) 1,2-Dichloroethane-d4	5.31	65	53583	5.06	ug/L		0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 101.20%				
32) Benzene-d6	5.34	84	216237	5.03	ug/L		0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 100.60%				
36) 1,2-Dichloropropane-d6	6.33	67	65124	5.12	ug/L		0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 102.40%				
41) Toluene-d8	7.56	98	214304	5.05	ug/L		0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 101.00%				
43) trans-1,3-Dichloropropene-	7.85	79	25478	4.49	ug/L		0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 89.80%				
46) 2-Hexanone-d5	8.31	63	134823	51.59	ug/L		0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 103.18%				
57) 1,1,2,2-Tetrachloroethane-	10.43	84	54768	4.96	ug/L		0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 99.20%				
64) 1,2-Dichlorobenzene-d4	11.86	152	95047	5.34	ug/L		0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 106.80%				
Target Compounds							Qvalue
5) Vinyl chloride	1.40	62	555881	30.998	ug/L		93
8) Chloroethane	1.55	64	124887	10.695	ug/L	#	52
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	1280	0.079	ug/L	#	1
12) 1,1-Dichloroethene	2.28	96	4695	0.306	ug/L	#	1
13) Acetone	2.32	43	3368	1.425	ug/L		94
14) Carbon disulfide	2.48	76	6419	0.127	ug/L	#	77
17) Methyl tert-butyl Ether	3.01	73	19073	0.497	ug/L	#	91
18) trans-1,2-Dichloroethene	2.98	96	18552	1.135	ug/L		94
19) 1,1-Dichloroethane	3.44	63	1389	0.056	ug/L	#	82
22) cis-1,2-Dichloroethene	4.22	96	1394458	92.773	ug/L		99
25) Chloroform	4.68	83	2981	0.121	ug/L		92
27) 1,2-Dichloroethane	5.41	62	760	0.053	ug/L	#	72
34) Trichloroethene	6.18	95	17503	1.183	ug/L		97
37) 1,2-Dichloropropane	6.33	63	7045	0.534	ug/L	#	87
39) cis-1,3-Dichloropropene	7.22	75	1644	0.079	ug/L	#	74
40) 4-Methyl-2-pentanone	7.40	43	4798	0.631	ug/L	#	41
47) Tetrachloroethene	8.22	164	13010	0.960	ug/L		92

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU021619\

Quantitation Report (Not Reviewed)

Data File : VU029513.D
Acq On : 15 Feb 2019 22:05
Operator : JC/SP
Sample : K1489-02
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ESXG0

Quant Time: Feb 16 00:19:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Feb 16 00:13:53 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	8.22	129	10927	0.803	ug/L #	11
53) m,p-xylene	9.38	106	1425	0.053	ug/L	88
59) 1,2,3-Trichloropropane	11.48	75	8915	1.054	ug/L #	86

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

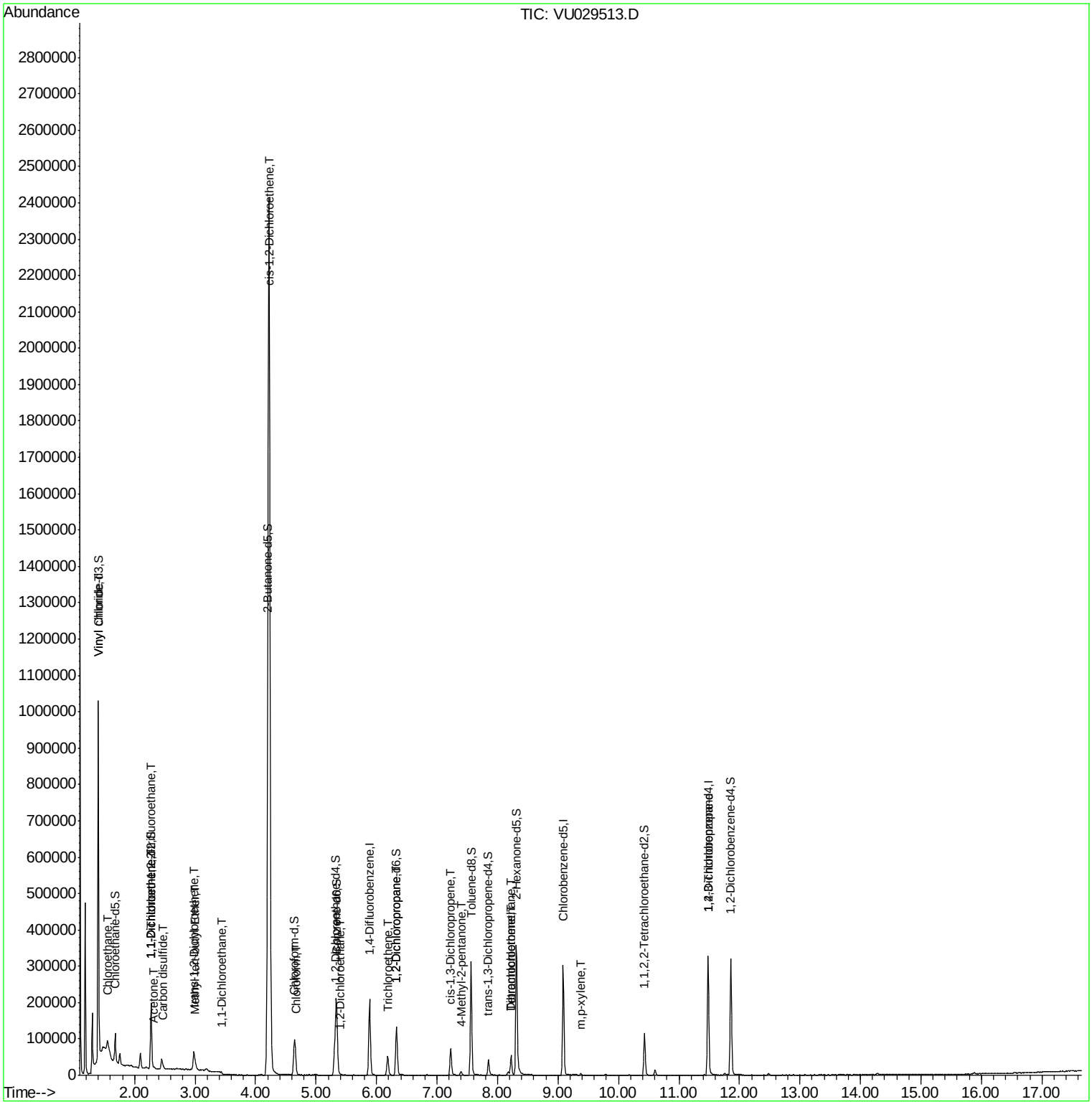
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU021619\

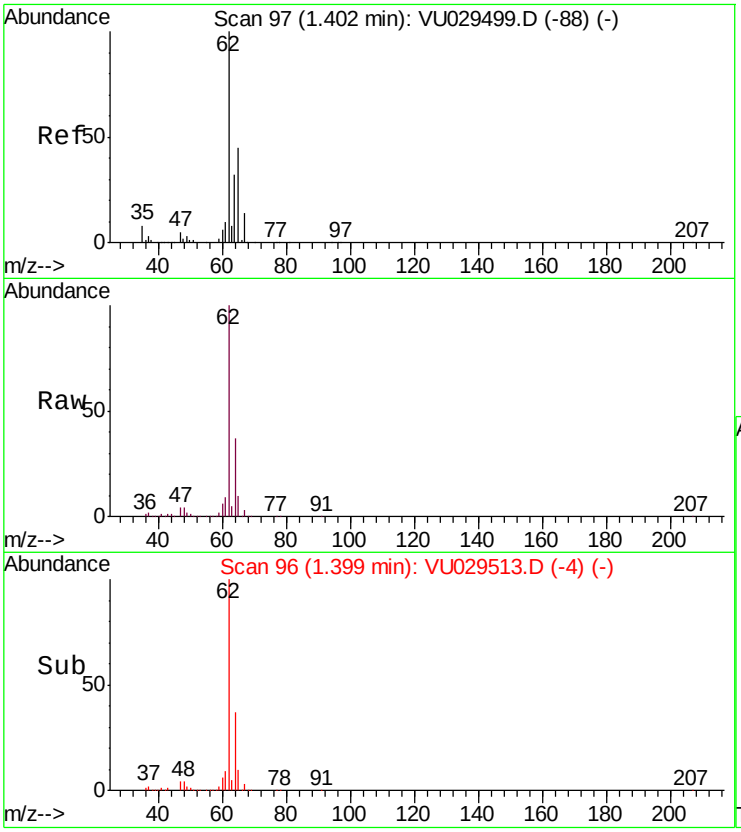
Quantitation Report (Not Reviewed)

Data File : VU029513.D
Acq On : 15 Feb 2019 22:05
Operator : JC/SP
Sample : K1489-02
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ESXG0

Quant Time: Feb 16 00:19:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Feb 16 00:13:53 2019
Response via : Initial Calibration



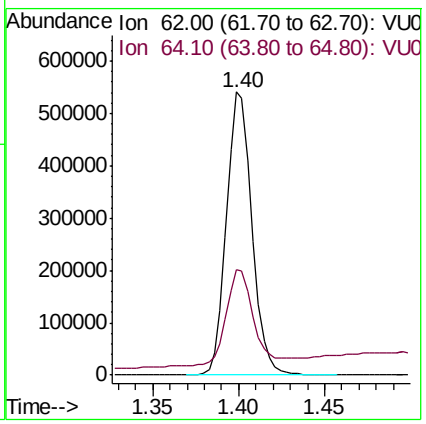


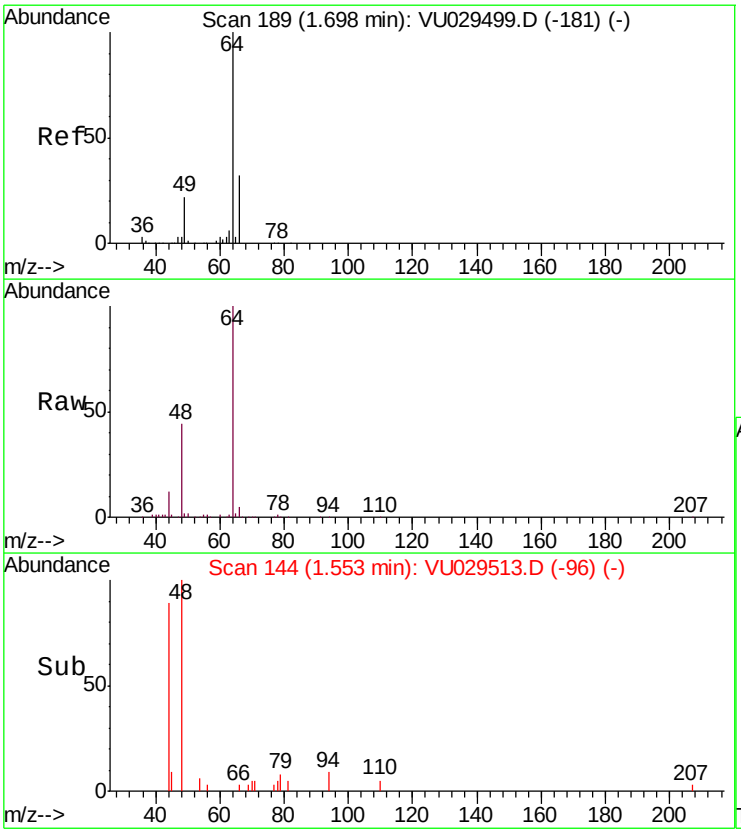
#5
Vinyl chloride
Concen: 30.998 ug/L
RT: 1.40 min Scan# 96
Delta R.T. -0.00 min
Lab File: VU029513.D
Acq: 15 Feb 2019 22:05

Instrument :
MSVOA_U
ClientSampleId :
ESXG0

Tgt Ion: 62 Resp: 555881

Ion	Ratio	Lower	Upper
62	100		
64	37.3	23.5	43.7

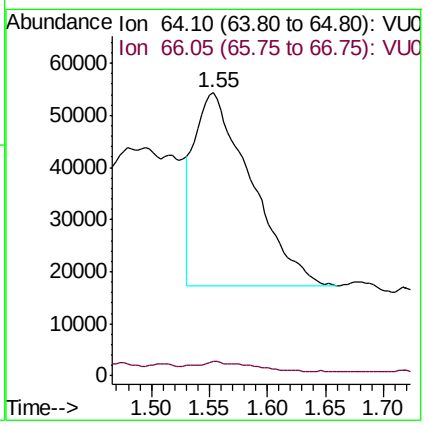


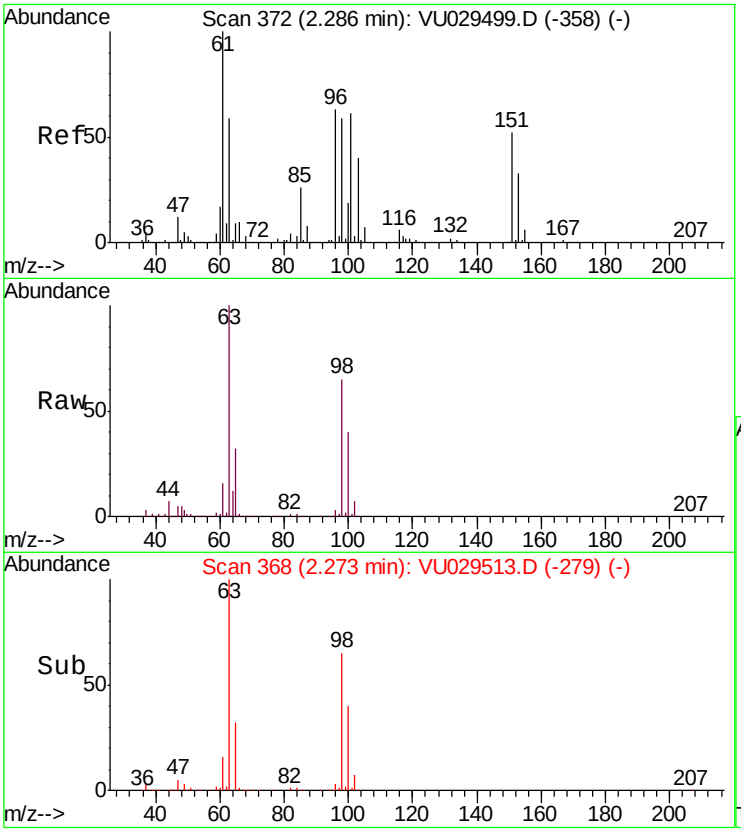


#8
Chloroethane
Concen: 10.695 ug/L
RT: 1.55 min Scan# 144
Delta R.T. -0.14 min
Lab File: VU029513.D
Acq: 15 Feb 2019 22:05

Tgt Ion: 64 Resp: 124887

Ion	Ratio	Lower	Upper
64	100		
66	5.1	22.0	40.8#



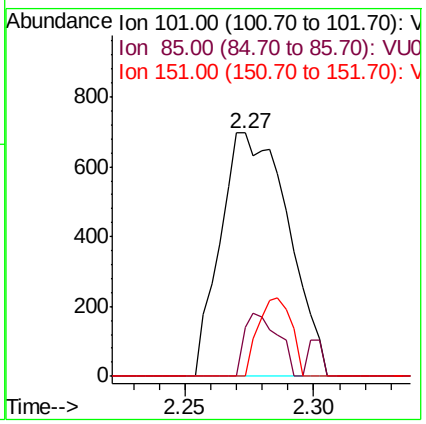


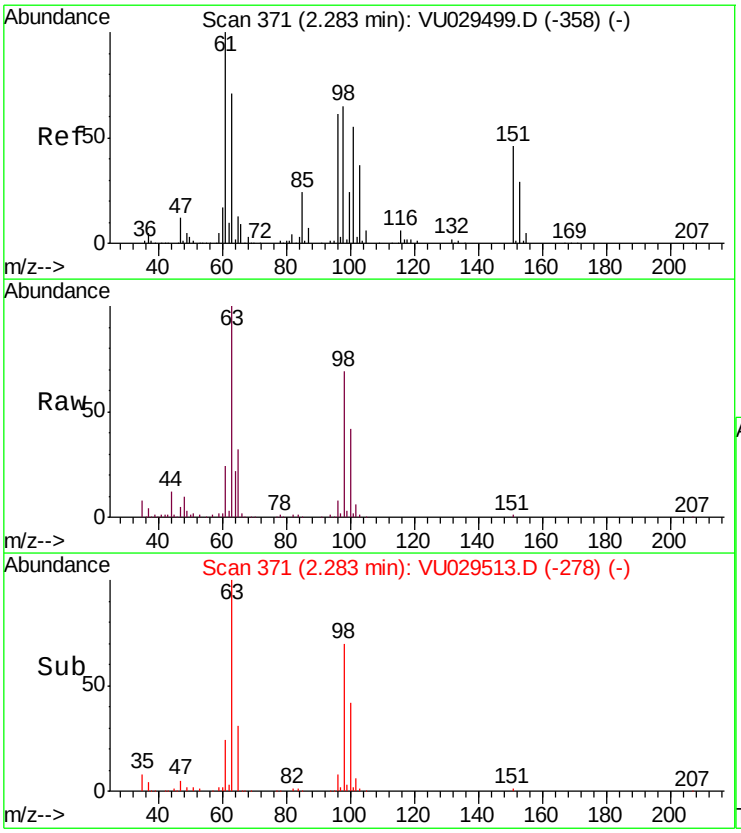
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.079 ug/L
RT: 2.27 min Scan# 368
Delta R.T. -0.01 min
Lab File: VU029513.D
Acq: 15 Feb 2019 22:05

Instrument :
MSVOA_U
ClientSampleId :
ESXG0

Tgt Ion:101 Resp: 1280

Ion	Ratio	Lower	Upper
101	100		
85	563.8	35.1	52.7#
151	15.7	67.0	100.6#

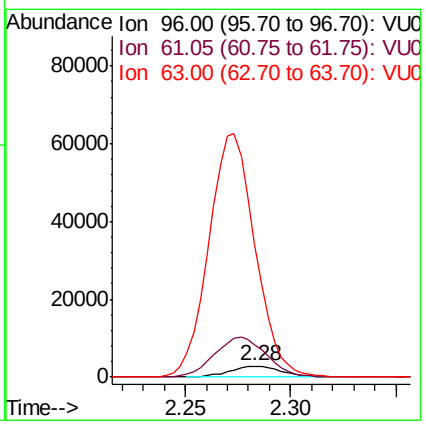


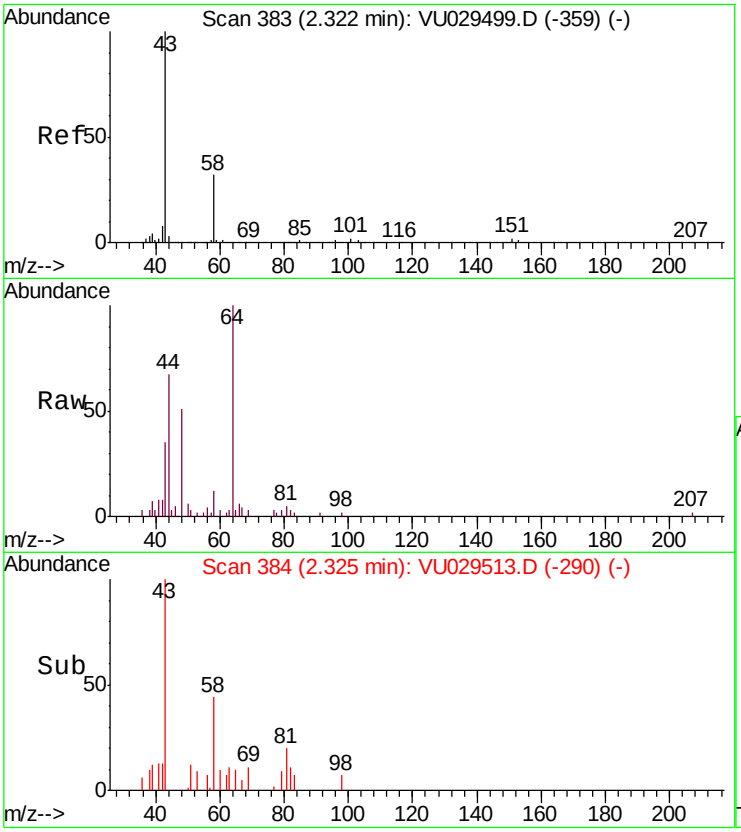


#12
1,1-Dichloroethene
Concen: 0.306 ug/L
RT: 2.28 min Scan# 371
Delta R.T. -0.00 min
Lab File: VU029513.D
Acq: 15 Feb 2019 22:05

Tgt Ion: 96 Resp: 4695

Ion	Ratio	Lower	Upper
96	100		
61	302.9	115.1	213.7#
63	1255.6	83.5	155.1#



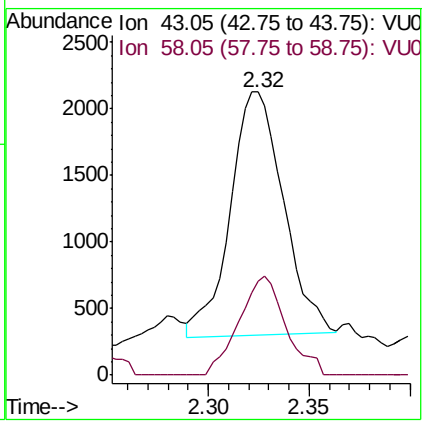


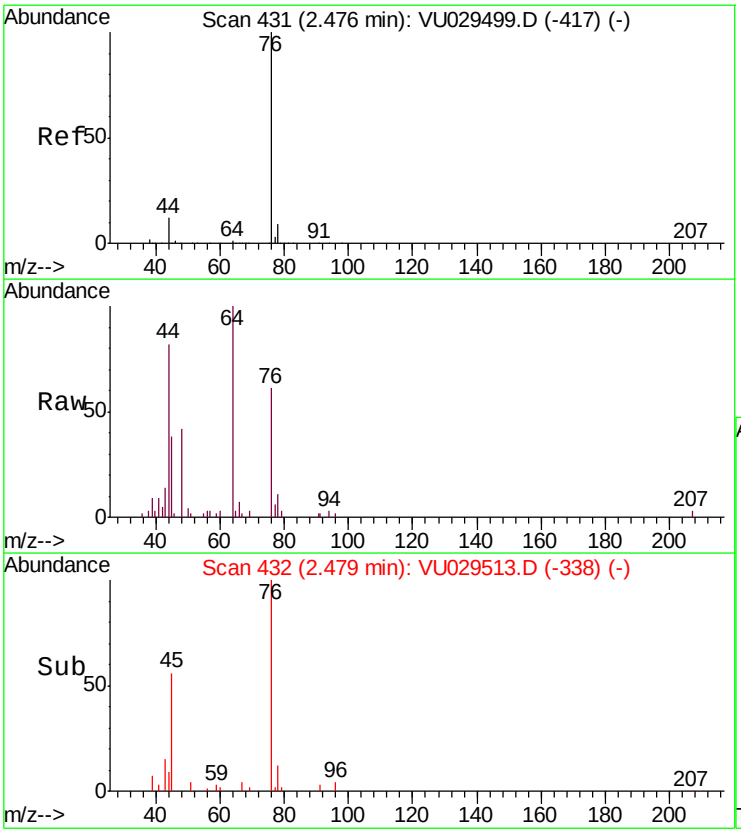
#13
Acetone
Concen: 1.425 ug/L
RT: 2.32 min Scan# 384
Delta R.T. 0.00 min
Lab File: VU029513.D
Acq: 15 Feb 2019 22:05

Instrument :
MSVOA_U
ClientSampleId :
ESXG0

Tgt Ion: 43 Resp: 3368

Ion	Ratio	Lower	Upper
43	100		
58	35.7	0.0	65.0

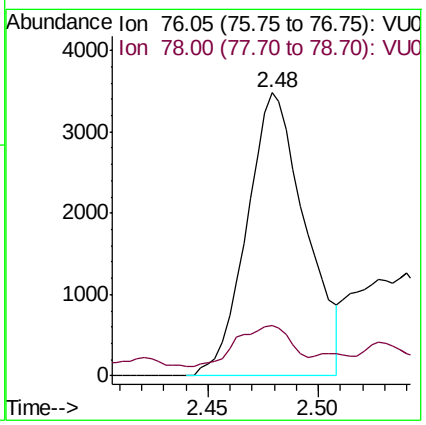


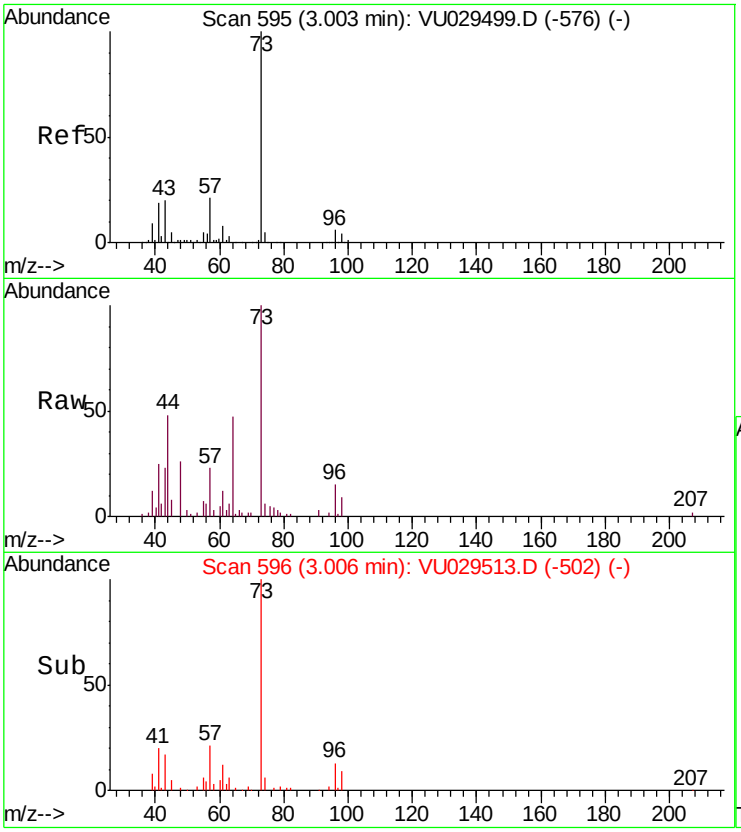


#14
Carbon disulfide
Concen: 0.127 ug/L
RT: 2.48 min Scan# 432
Delta R.T. 0.00 min
Lab File: VU029513.D
Acq: 15 Feb 2019 22:05

Tgt Ion: 76 Resp: 6419

Ion	Ratio	Lower	Upper
76	100		
78	17.9	7.5	11.3#



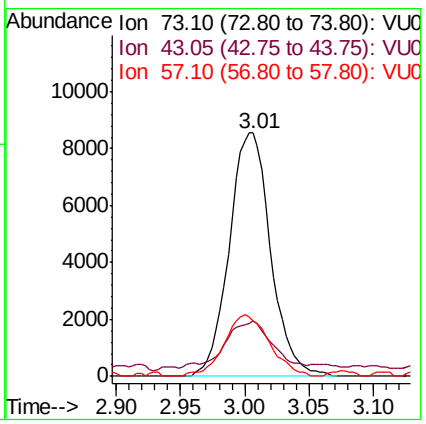


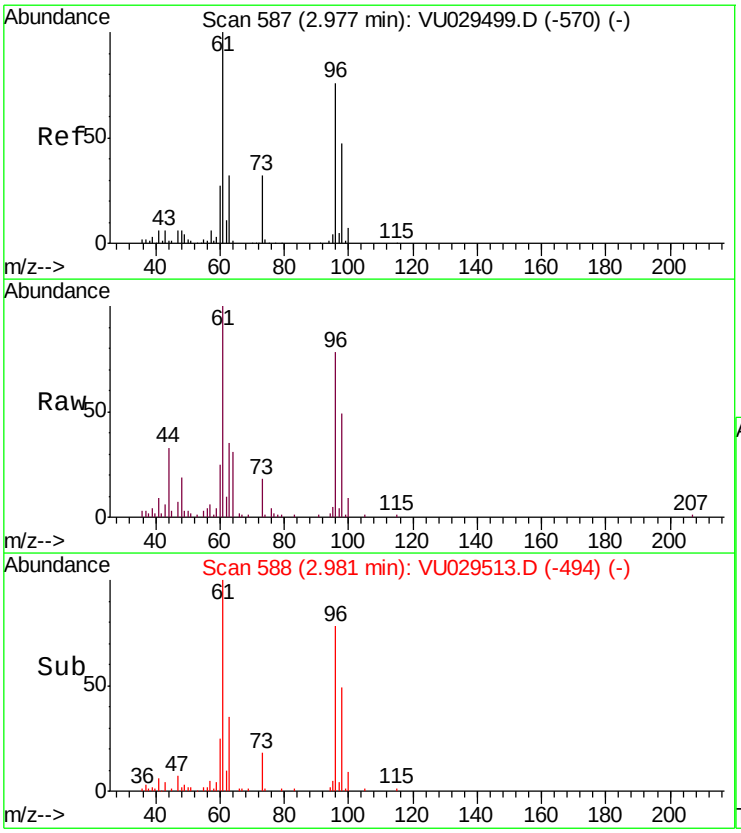
#17
Methyl tert-butyl Ether
Concen: 0.497 ug/L
RT: 3.01 min Scan# 596
Delta R.T. 0.00 min
Lab File: VU029513.D
Acq: 15 Feb 2019 22:05

Instrument : MSVOA_U
ClientSampleId : ESXG0

Tgt Ion: 73 Resp: 19073

Ion	Ratio	Lower	Upper
73	100		
43	21.2	16.0	24.0
57	27.7	16.9	25.3#

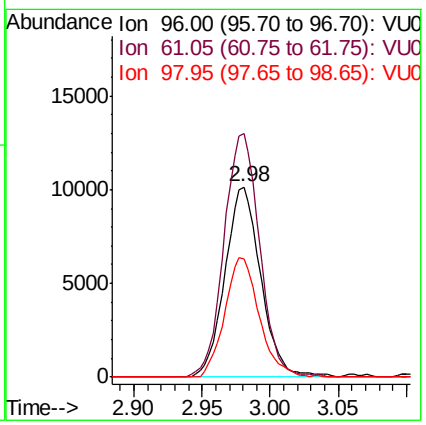


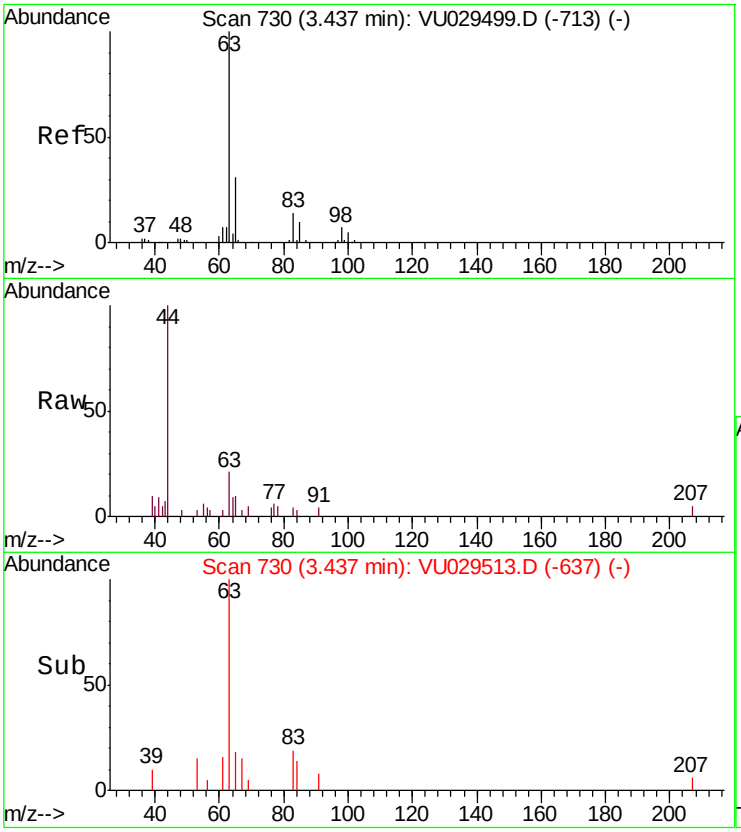


#18
trans-1,2-Dichloroethene
Concen: 1.135 ug/L
RT: 2.98 min Scan# 588
Delta R.T. 0.00 min
Lab File: VU029513.D
Acq: 15 Feb 2019 22:05

Tgt Ion: 96 Resp: 18552

Ion	Ratio	Lower	Upper
96	100		
61	127.9	95.4	177.2
98	62.4	45.8	85.2



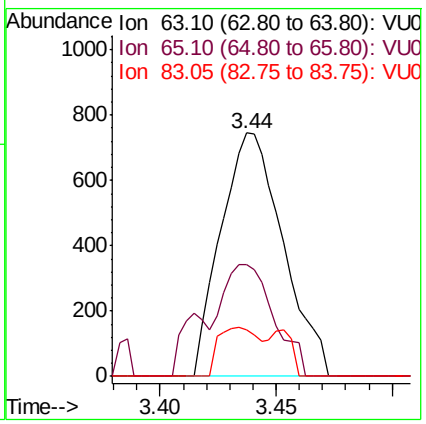


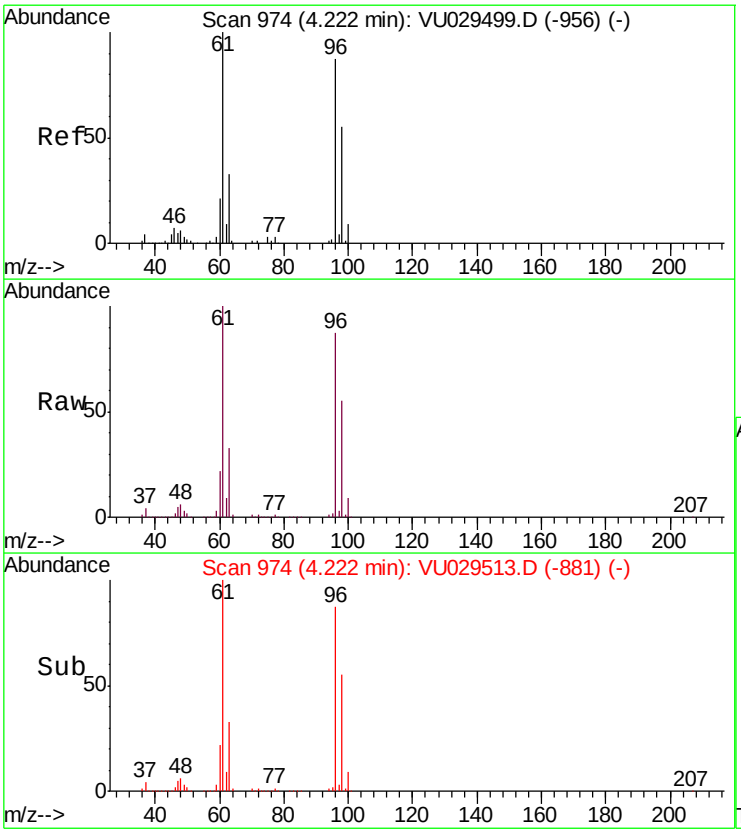
#19
1,1-Dichloroethane
Concen: 0.056 ug/L
RT: 3.44 min Scan# 730
Delta R.T. -0.00 min
Lab File: VU029513.D
Acq: 15 Feb 2019 22:05

Instrument : MSVOA_U
ClientSampleId : ESXG0

Tgt Ion: 63 Resp: 1389

Ion	Ratio	Lower	Upper
63	100		
65	45.8	23.5	43.7#
83	19.3	10.3	19.1#

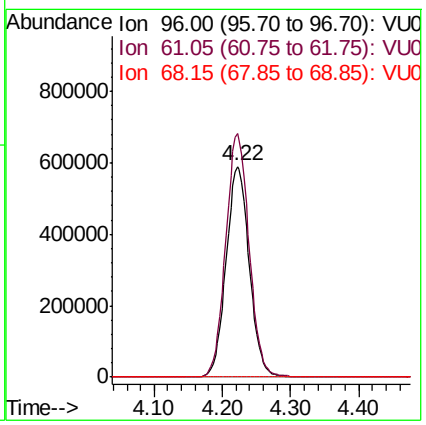


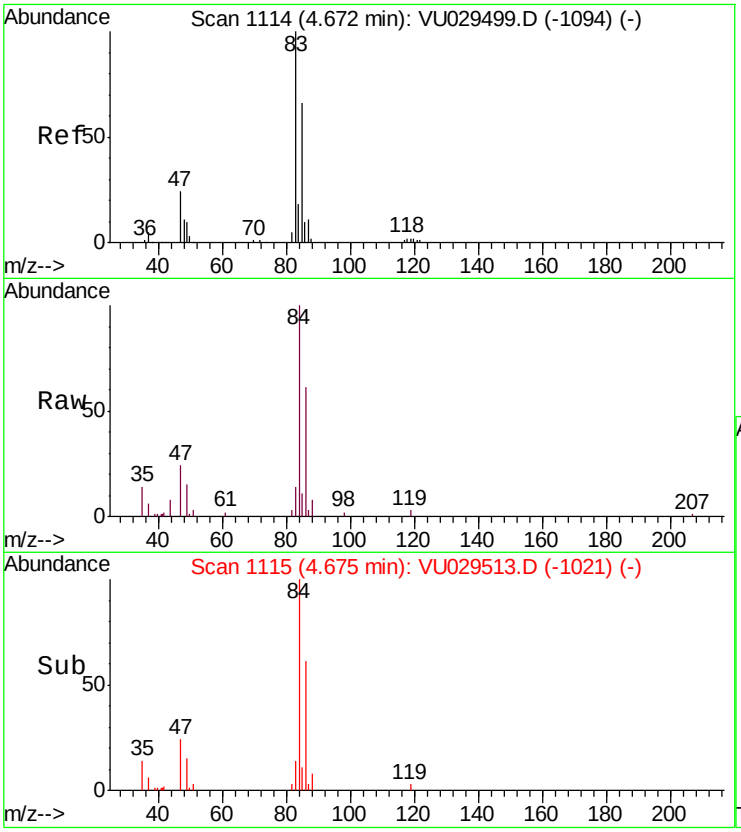


#22
cis-1,2-Dichloroethene
Concen: 92.773 ug/L
RT: 4.22 min Scan# 974
Delta R.T. -0.00 min
Lab File: VU029513.D
Acq: 15 Feb 2019 22:05

Tgt Ion: 96 Resp: 1394458

Ion	Ratio	Lower	Upper
96	100		
61	115.5	79.9	148.5
68	0.0	0.0	0.0



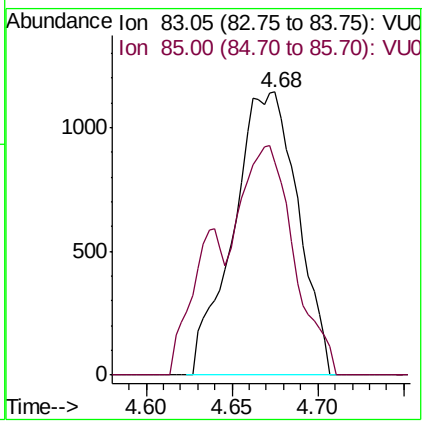


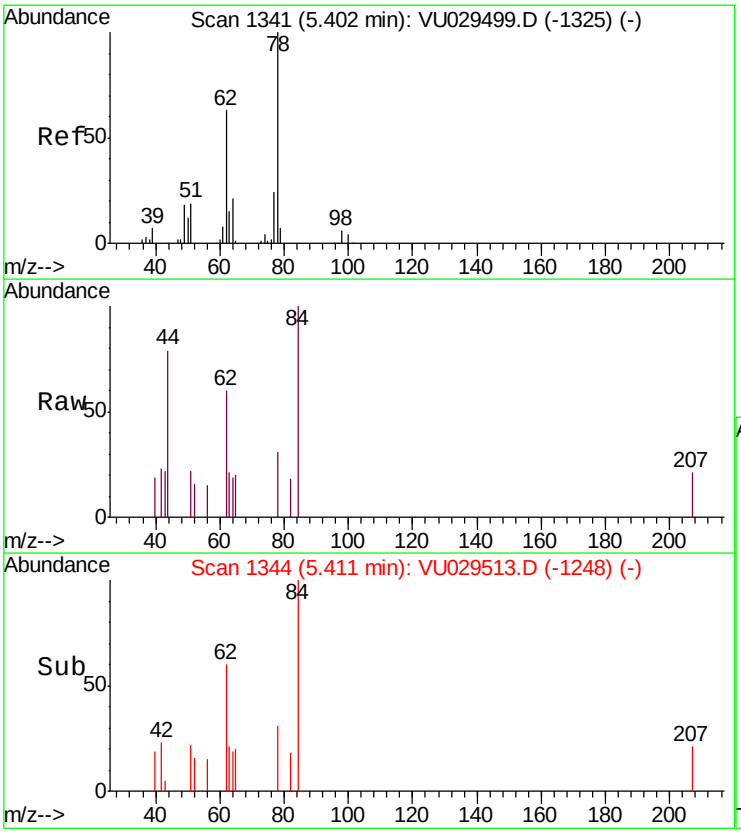
#25
Chloroform
Concen: 0.121 ug/L
RT: 4.68 min Scan# 1115
Delta R.T. 0.00 min
Lab File: VU029513.D
Acq: 15 Feb 2019 22:05

Instrument :
MSVOA_U
ClientSampleId :
ESXG0

Tgt Ion: 83 Resp: 2981

Ion	Ratio	Lower	Upper
83	100		
85	75.1	47.8	88.8

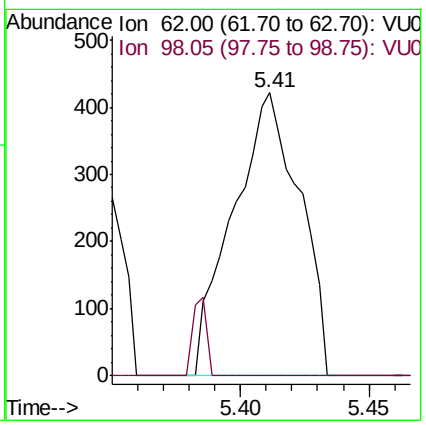


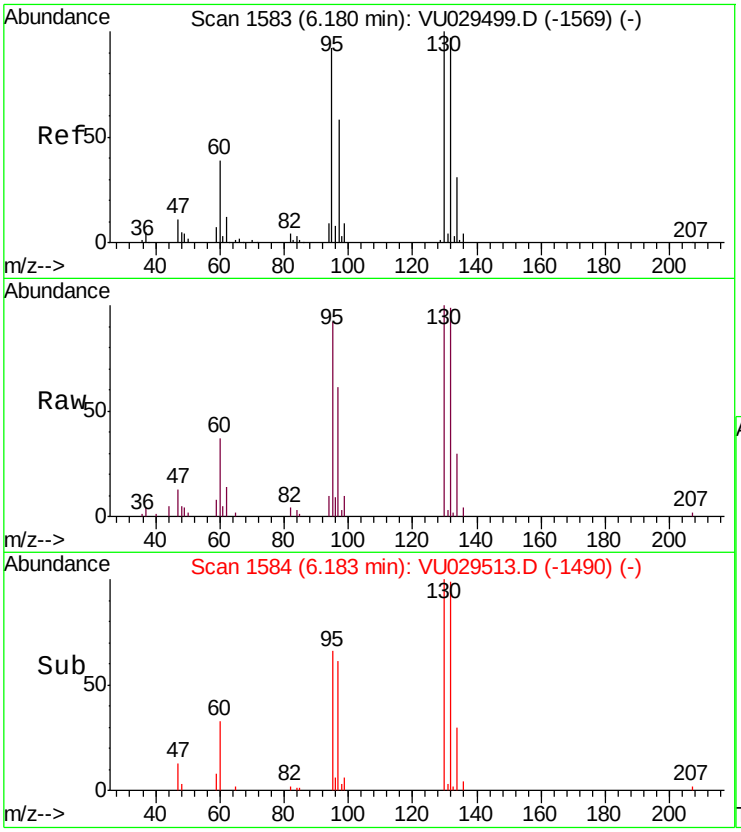


#27
1,2-Dichloroethane
Concen: 0.053 ug/L
RT: 5.41 min Scan# 1344
Delta R.T. 0.01 min
Lab File: VU029513.D
Acq: 15 Feb 2019 22:05

Tgt Ion: 62 Resp: 760

Ion	Ratio	Lower	Upper
62	100		
98	0.0	8.4	12.6#



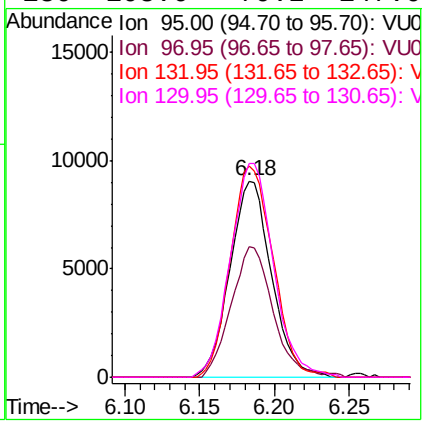


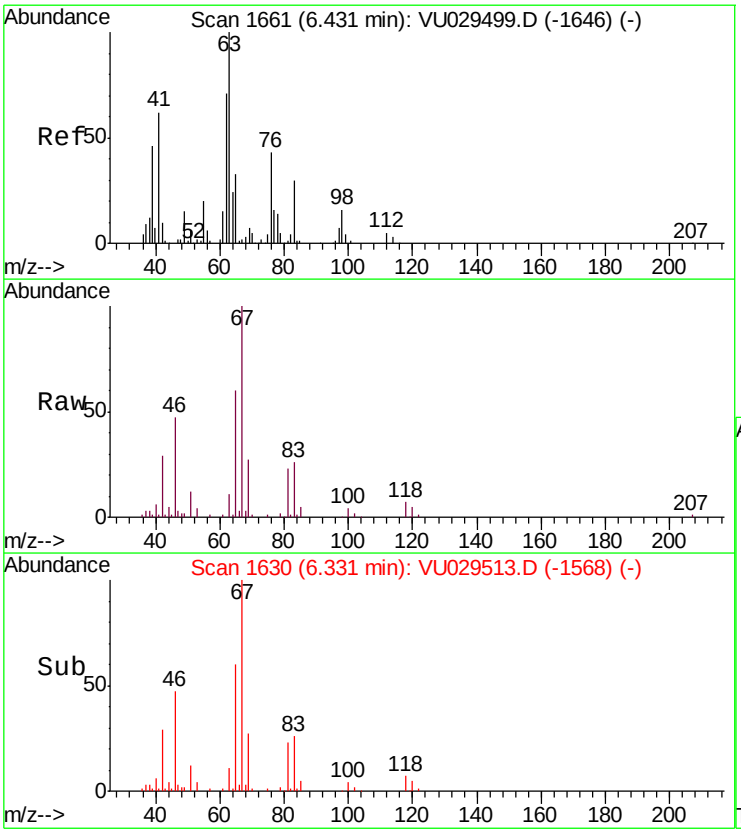
#34
Trichloroethene
Concen: 1.183 ug/L
RT: 6.18 min Scan# 1584
Delta R.T. 0.00 min
Lab File: VU029513.D
Acq: 15 Feb 2019 22:05

Instrument : MSVOA_U
ClientSampleId : ESXG0

Tgt Ion: 95 Resp: 17503

Ion	Ratio	Lower	Upper
95	100		
97	66.4	46.3	86.1
132	107.2	72.9	135.3
130	108.6	79.2	147.0

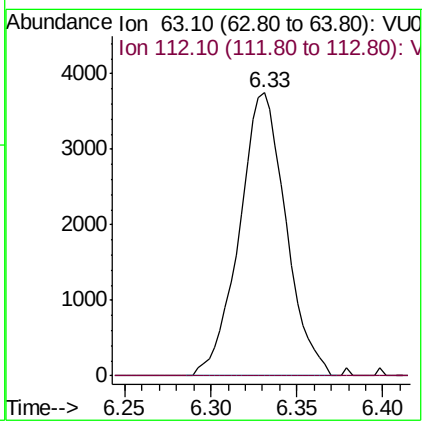


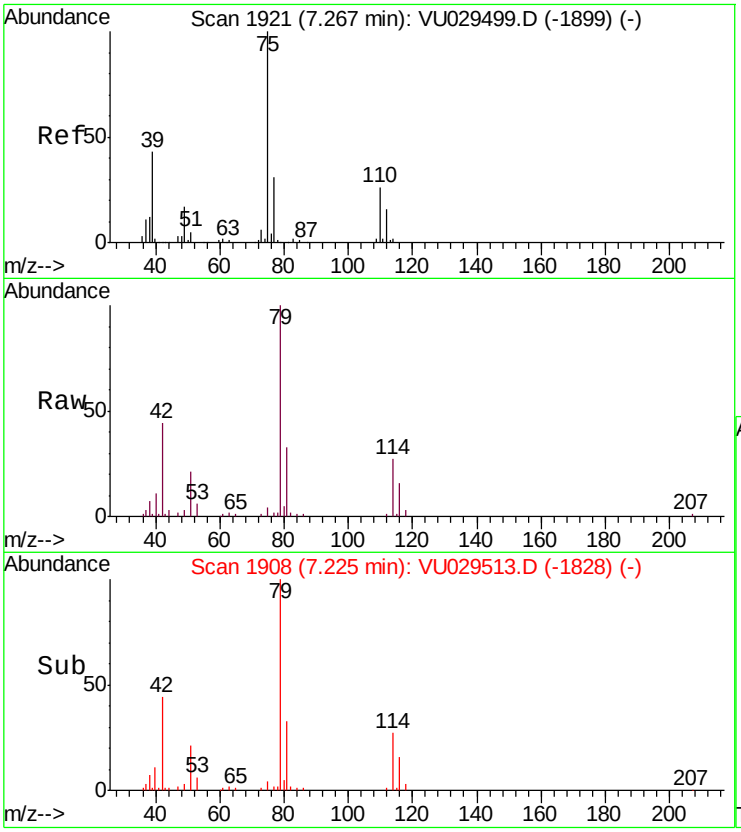


#37
1,2-Dichloropropane
Concen: 0.534 ug/L
RT: 6.33 min Scan# 1630
Delta R.T. -0.10 min
Lab File: VU029513.D
Acq: 15 Feb 2019 22:05

Tgt Ion: 63 Resp: 7045

Ion	Ratio	Lower	Upper
63	100		
112	0.0	3.5	5.3#



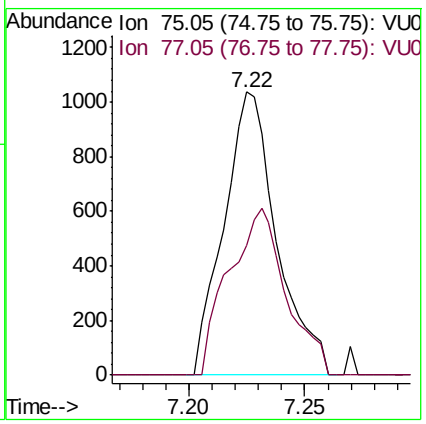


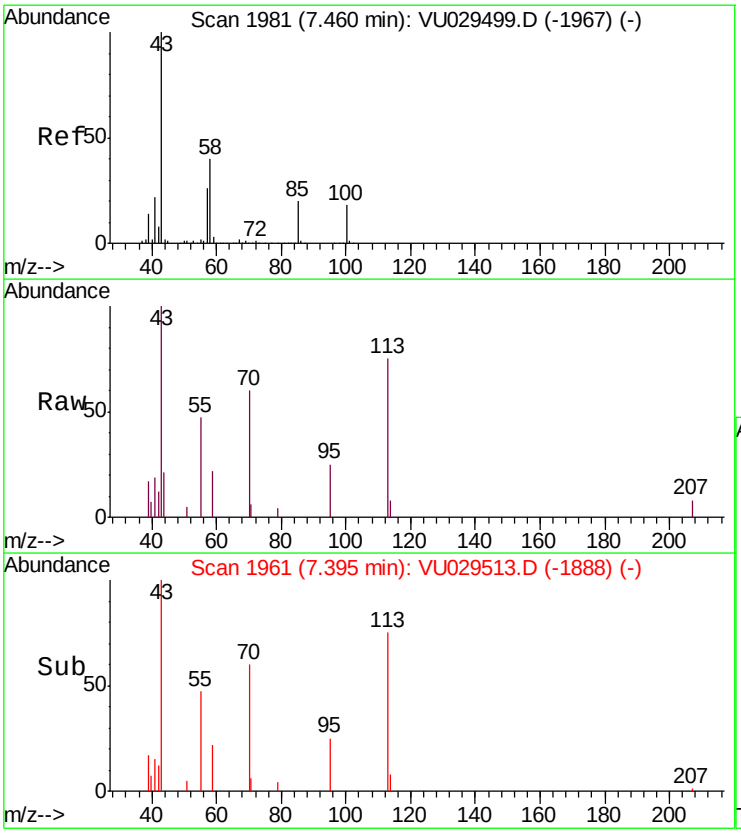
#39
cis-1,3-Dichloropropene
Concen: 0.079 ug/L
RT: 7.22 min Scan# 1908
Delta R.T. -0.04 min
Lab File: VU029513.D
Acq: 15 Feb 2019 22:05

Instrument : MSVOA_U
ClientSampleId : ESXG0

Tgt Ion: 75 Resp: 1644

Ion	Ratio	Lower	Upper
75	100		
77	46.0	22.3	41.3#

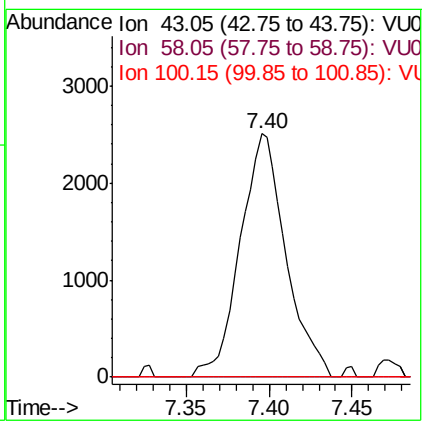


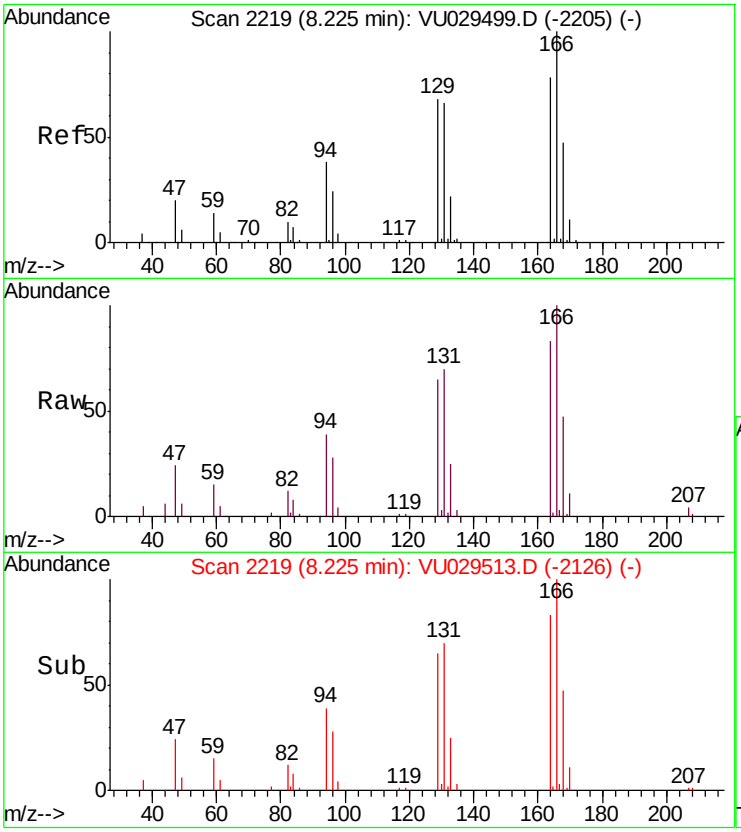


#40
4-Methyl-2-pentanone
Concen: 0.631 ug/L
RT: 7.40 min Scan# 1961
Delta R.T. -0.06 min
Lab File: VU029513.D
Acq: 15 Feb 2019 22:05

Tgt Ion: 43 Resp: 4798

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



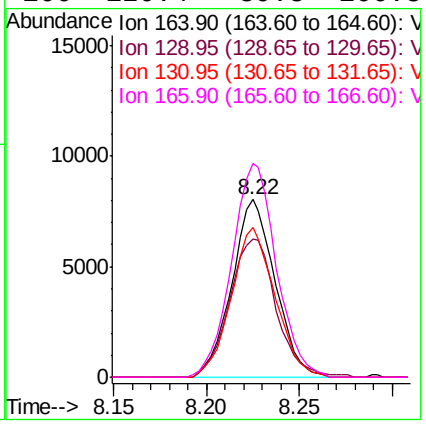


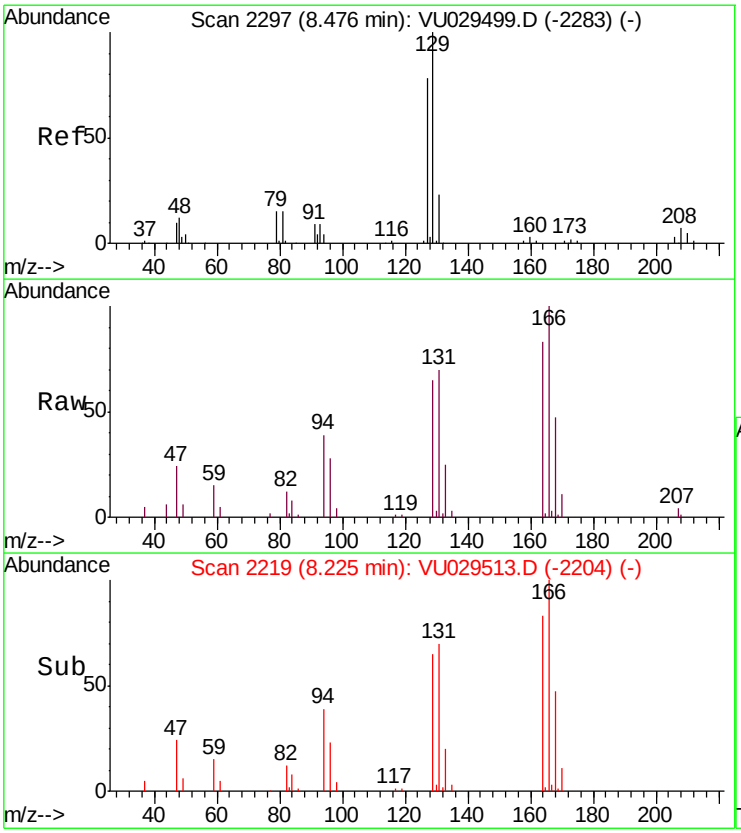
#47
Tetrachloroethene
Concen: 0.960 ug/L
RT: 8.22 min Scan# 2219
Delta R.T. -0.00 min
Lab File: VU029513.D
Acq: 15 Feb 2019 22:05

Instrument : MSVOA_U
ClientSampleId : ESXG0

Tgt Ion:164 Resp: 13010

Ion	Ratio	Lower	Upper
164	100		
129	77.9	62.9	116.9
131	84.6	62.1	115.3
166	120.4	89.8	166.8

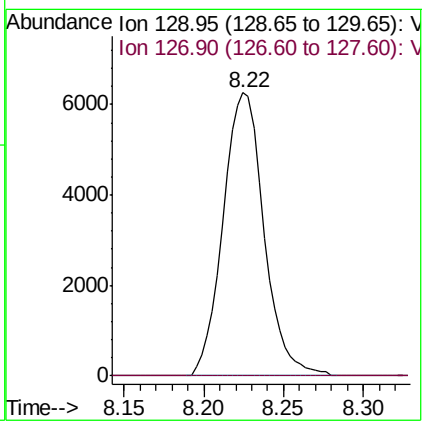


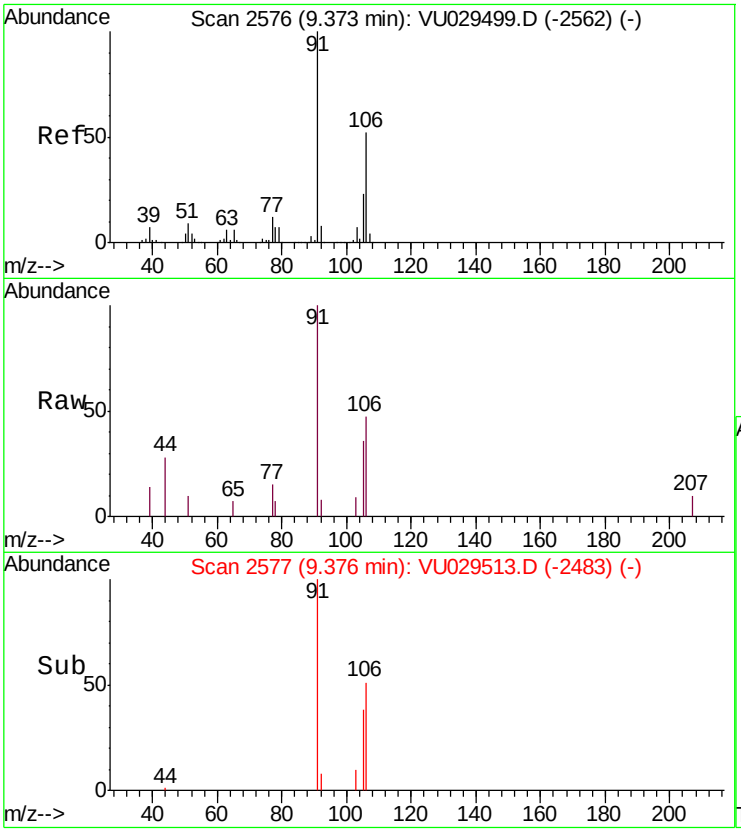


#49
Dibromochloromethane
Concen: 0.803 ug/L
RT: 8.22 min Scan# 2219
Delta R.T. -0.25 min
Lab File: VU029513.D
Acq: 15 Feb 2019 22:05

Tgt Ion:129 Resp: 10927

Ion	Ratio	Lower	Upper
129	100		
127	0.0	53.3	99.1#



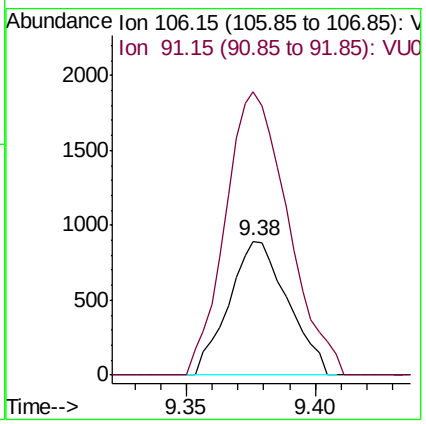


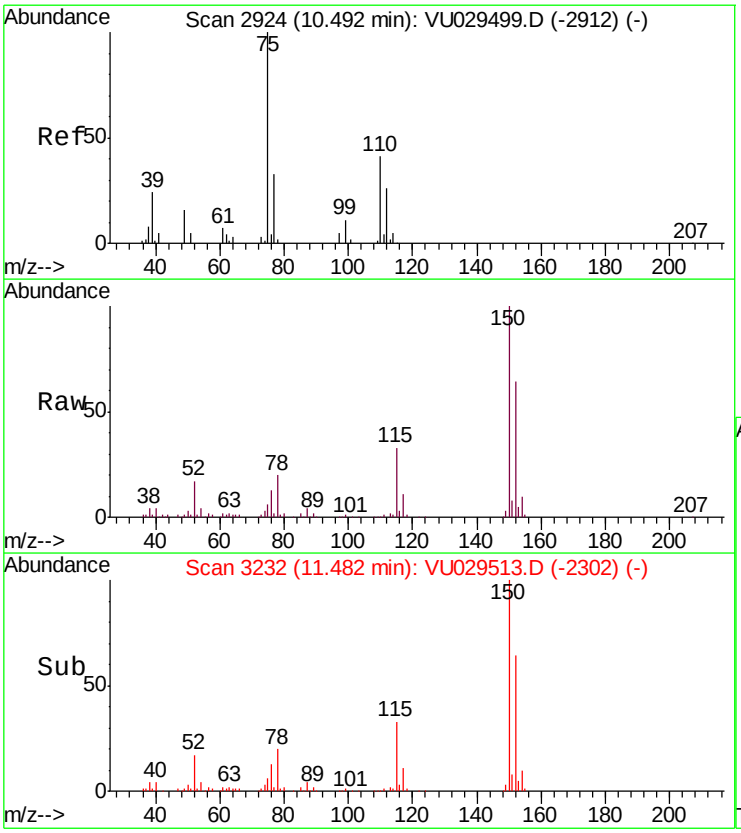
#53
m,p-xylene
Concen: 0.053 ug/L
RT: 9.38 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VU029513.D
Acq: 15 Feb 2019 22:05

Instrument :
MSVOA_U
ClientSampleId :
ESXG0

Tgt Ion:106 Resp: 1425

Ion	Ratio	Lower	Upper
106	100		
91	211.1	135.7	251.9





#59
1,2,3-Trichloropropane
Concen: 1.054 ug/L
RT: 11.48 min Scan# 3232
Delta R.T. 0.99 min
Lab File: VU029513.D
Acq: 15 Feb 2019 22:05

Tgt Ion: 75 Resp: 8915

Ion	Ratio	Lower	Upper
75	100		
77	43.4	28.2	42.2#