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

Quantitation Report (Not Reviewed)

Data File : VU029541.D
Acq On : 18 Feb 2019 19:42
Operator : JC/SP
Sample : K1489-06
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ESXG4

Quant Time: Feb 19 00:25:40 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	210650	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	203087	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	109157	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.40	65	69795	4.93	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 98.60%			
7) Chloroethane-d5	1.68	69	51937	4.15	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 83.00%			
11) 1,1-Dichloroethene-d2	2.27	63	94104	3.06	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 61.20%			
20) 2-Butanone-d5	4.19	46	152507	51.83	ug/L	0.00
Spiked Amount 50.000	Range 40 - 130		Recovery = 103.66%			
24) Chloroform-d	4.65	84	103488	4.60	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 92.00%			
26) 1,2-Dichloroethane-d4	5.31	65	58735	4.90	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 98.00%			
32) Benzene-d6	5.34	84	221793	4.54	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 90.80%			
36) 1,2-Dichloropropane-d6	6.33	67	67460	4.67	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 93.40%			
41) Toluene-d8	7.56	98	209097	4.34	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 86.80%			
43) trans-1,3-Dichloropropene-	7.85	79	27096	4.20	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 84.00%			
46) 2-Hexanone-d5	8.31	63	154905	52.20	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 104.40%			
57) 1,1,2,2-Tetrachloroethane-	10.43	84	62394	4.98	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 99.60%			
64) 1,2-Dichlorobenzene-d4	11.86	152	94453	4.69	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 93.80%			
Target Compounds						Qvalue
5) Vinyl chloride	1.40	62	1455065	71.725	ug/L	97
8) Chloroethane	1.54	64	107268	8.120	ug/L #	52
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	989	0.054	ug/L #	1
12) 1,1-Dichloroethene	2.28	96	2638	0.152	ug/L #	1
13) Acetone	2.32	43	5158	1.929	ug/L	98
17) Methyl tert-butyl Ether	3.00	73	7311	0.168	ug/L #	88
18) trans-1,2-Dichloroethene	2.98	96	3057	0.165	ug/L	90
22) cis-1,2-Dichloroethene	4.22	96	459066	26.997	ug/L	94
25) Chloroform	4.67	83	1830	0.066	ug/L	99
34) Trichloroethene	6.18	95	13304	0.792	ug/L	96
35) Methylcyclohexane	6.33	83	16465	0.582	ug/L #	22
37) 1,2-Dichloropropane	6.33	63	7398	0.494	ug/L #	87
47) Tetrachloroethene	8.22	164	10663	0.693	ug/L	95
48) 2-Hexanone	8.36	43	2398	0.381	ug/L #	85
49) Dibromochloromethane	8.22	129	9127	0.590	ug/L #	11
53) m,p-xylene	9.37	106	1554	0.051	ug/L	79
59) 1,2,3-Trichloropropane	11.48	75	10375	1.080	ug/L	91

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

Quantitation Report (Not Reviewed)

Data File : VU029541.D
Acq On : 18 Feb 2019 19:42
Operator : JC/SP
Sample : K1489-06
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ESXG4

Quant Time: Feb 19 00:25:40 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)
66) 1,2-Dibromo-3-chloropropan	12.48	75	543	0.238	ug/L	#	1

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

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

Quantitation Report (Not Reviewed)

Data File : VU029541.D
Acq On : 18 Feb 2019 19:42
Operator : JC/SP
Sample : K1489-06
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_U
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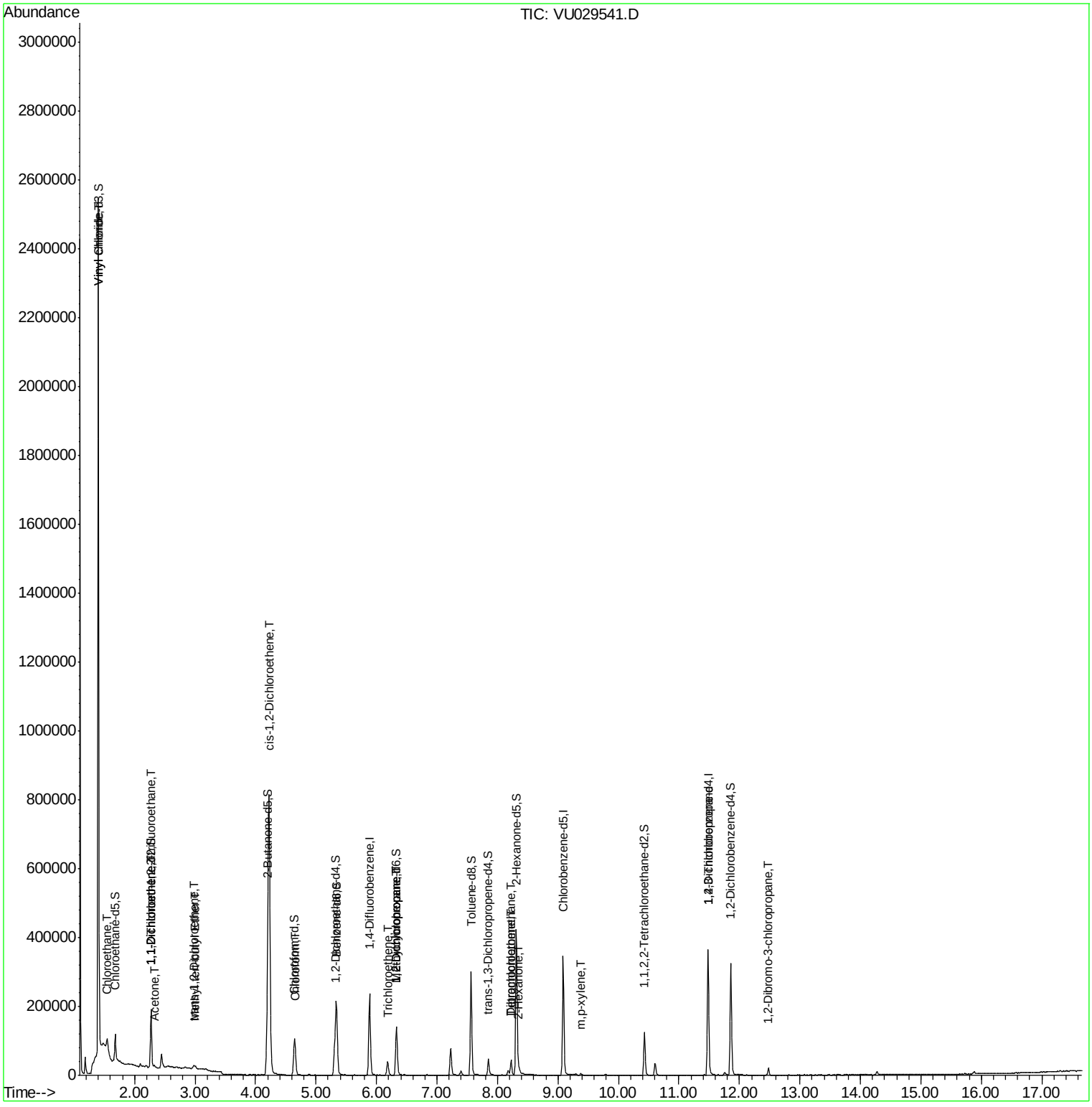
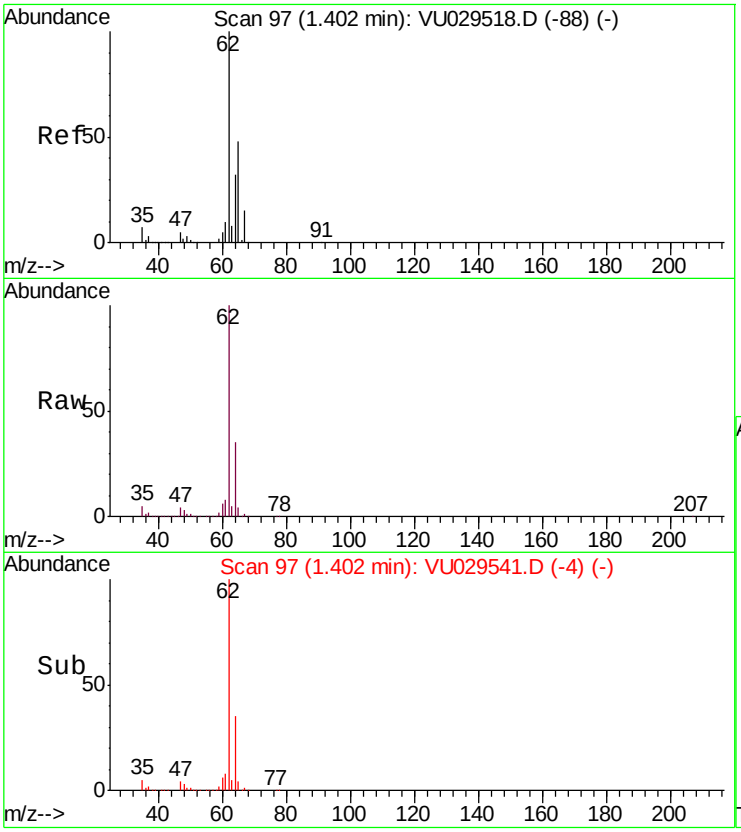
Quant Time: Feb 19 00:25:40 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Feb 19 00:19:12 2019
Response via : Initial Calibration



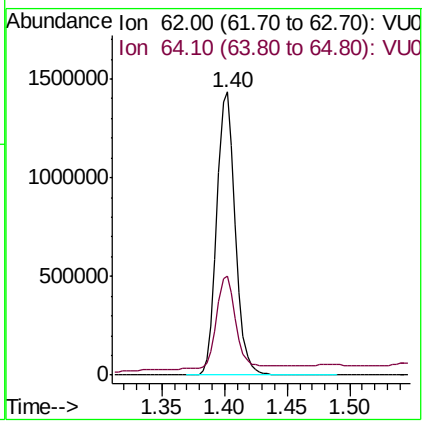


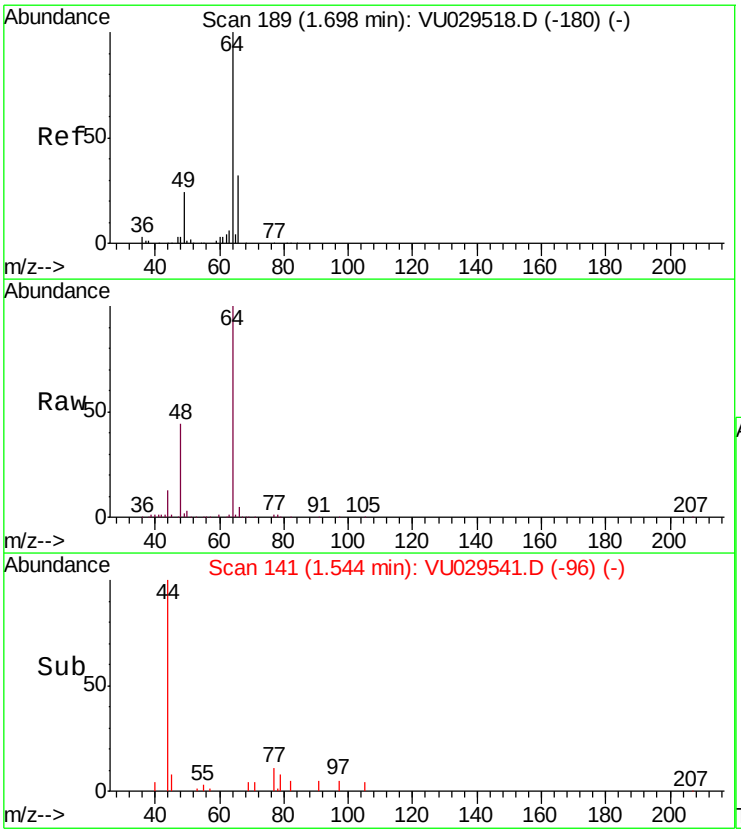
#5
Vinyl chloride
Concen: 71.725 ug/L
RT: 1.40 min Scan# 97
Delta R.T. 0.00 min
Lab File: VU029541.D
Acq: 18 Feb 2019 19:42

Instrument :
MSVOA_U
ClientSampleId :
ESXG4

Tgt Ion: 62 Resp: 1455065

Ion	Ratio	Lower	Upper
62	100		
64	35.2	23.5	43.7

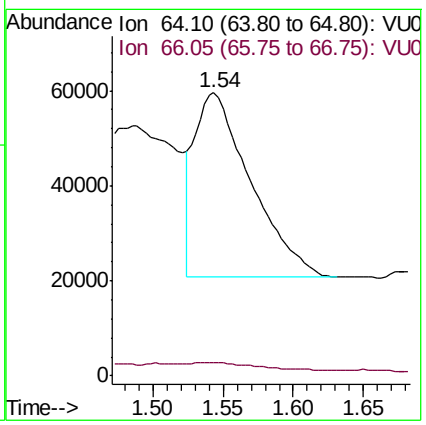


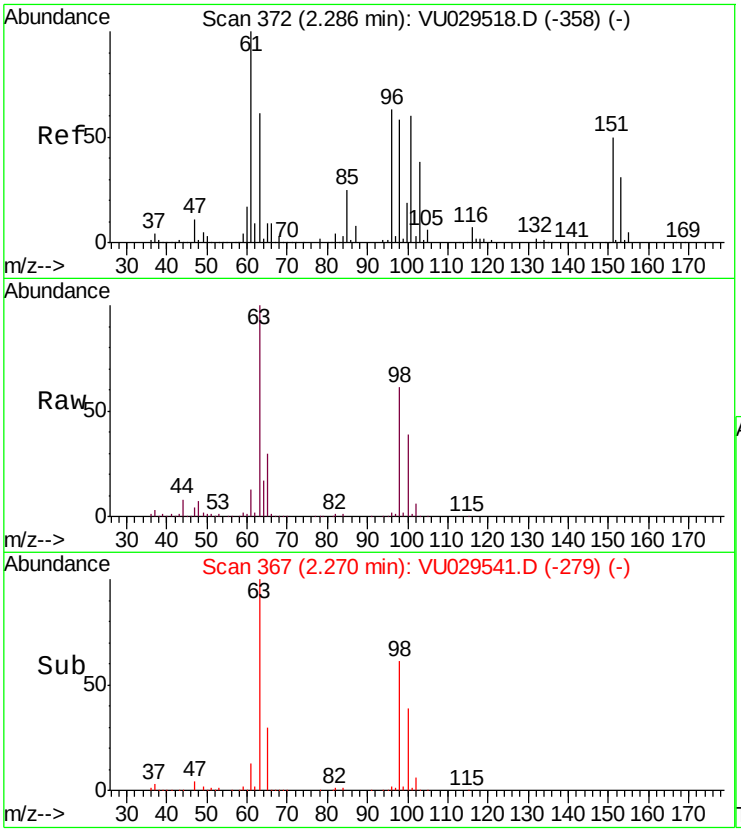


#8
Chloroethane
Concen: 8.120 ug/L
RT: 1.54 min Scan# 141
Delta R.T. -0.15 min
Lab File: VU029541.D
Acq: 18 Feb 2019 19:42

Tgt Ion: 64 Resp: 107268

Ion	Ratio	Lower	Upper
64	100		
66	4.7	22.0	40.8#



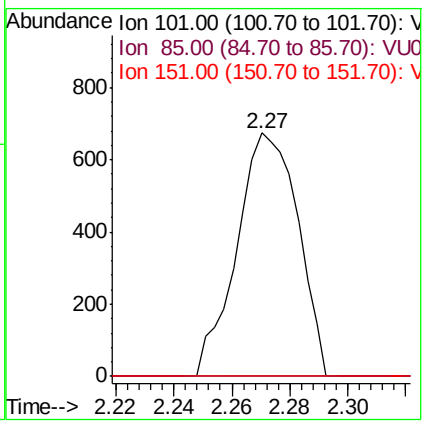


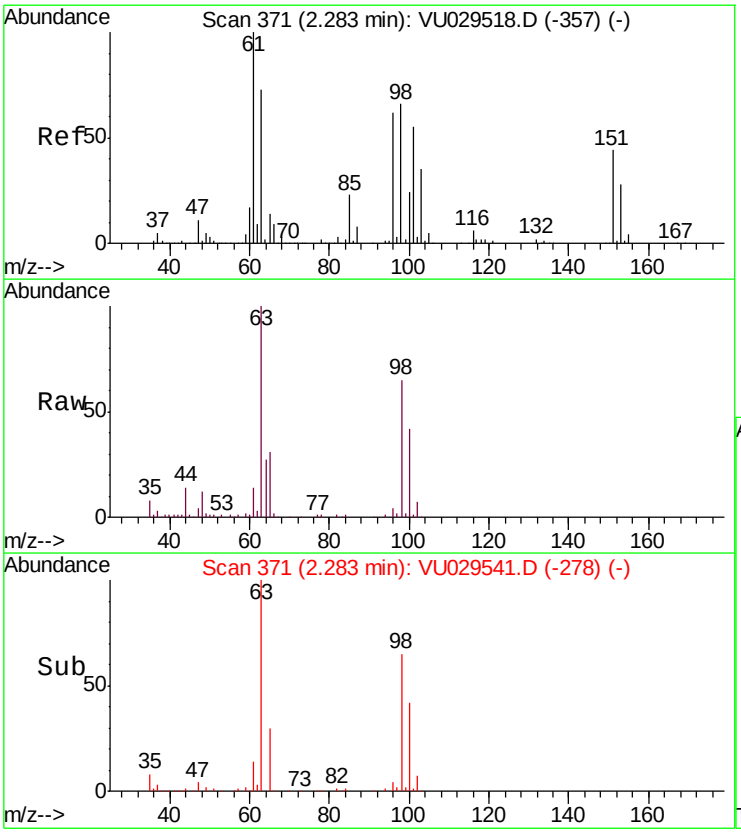
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.054 ug/L
RT: 2.27 min Scan# 367
Delta R.T. -0.02 min
Lab File: VU029541.D
Acq: 18 Feb 2019 19:42

Instrument :
MSVOA_U
ClientSampleId :
ESXG4

Tgt Ion:101 Resp: 989

Ion	Ratio	Lower	Upper
101	100		
85	128.6	35.1	52.7#
151	0.0	67.0	100.6#

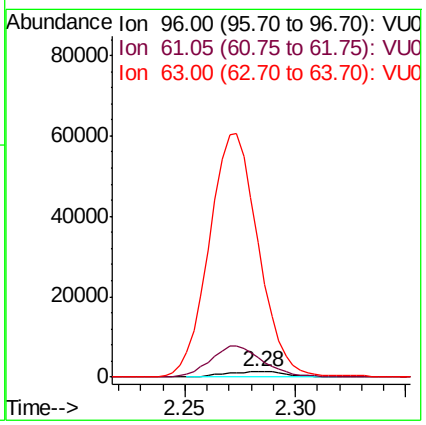


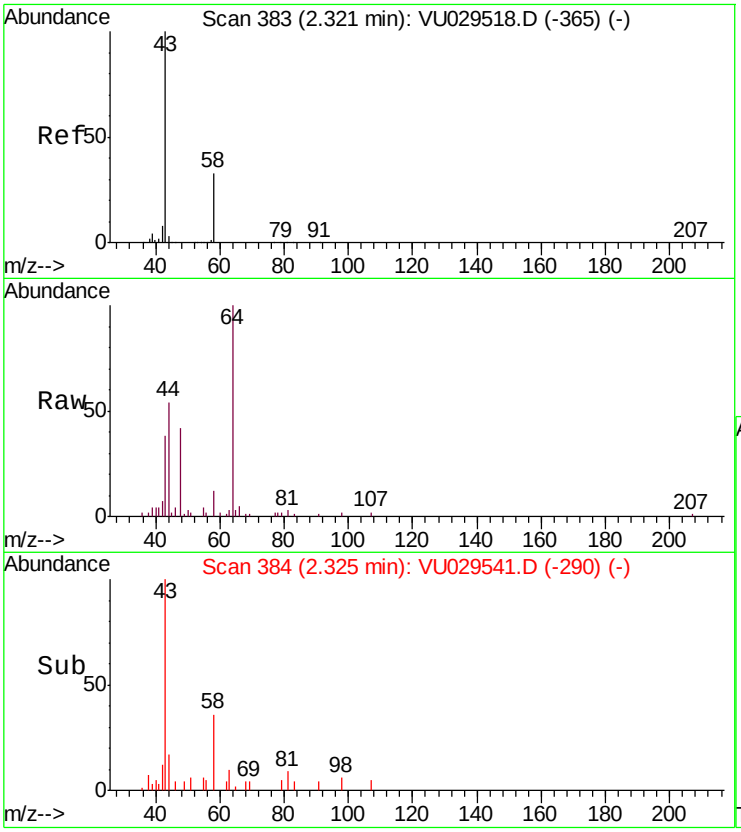


#12
1,1-Dichloroethene
Concen: 0.152 ug/L
RT: 2.28 min Scan# 371
Delta R.T. 0.00 min
Lab File: VU029541.D
Acq: 18 Feb 2019 19:42

Tgt Ion: 96 Resp: 2638

Ion	Ratio	Lower	Upper
96	100		
61	364.8	115.1	213.7#
63	2549.2	83.5	155.1#



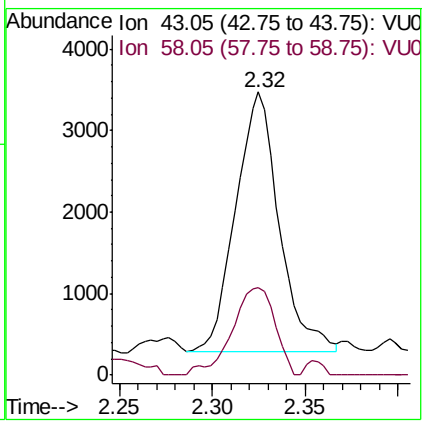


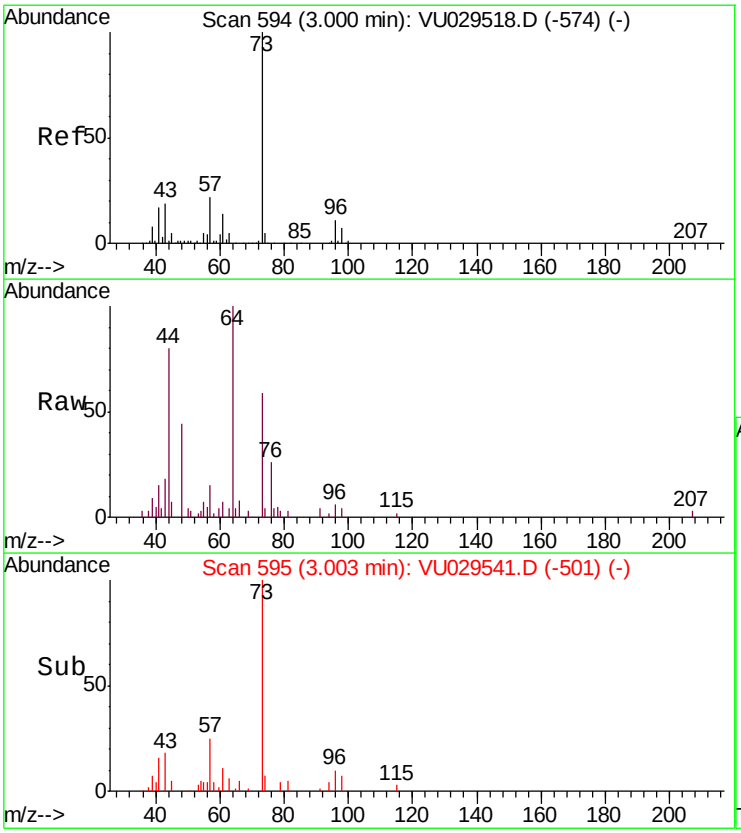
#13
Acetone
Concen: 1.929 ug/L
RT: 2.32 min Scan# 384
Delta R.T. 0.00 min
Lab File: VU029541.D
Acq: 18 Feb 2019 19:42

Instrument :
MSVOA_U
ClientSampleId :
ESXG4

Tgt Ion: 43 Resp: 5158

Ion	Ratio	Lower	Upper
43	100		
58	33.4	0.0	65.0

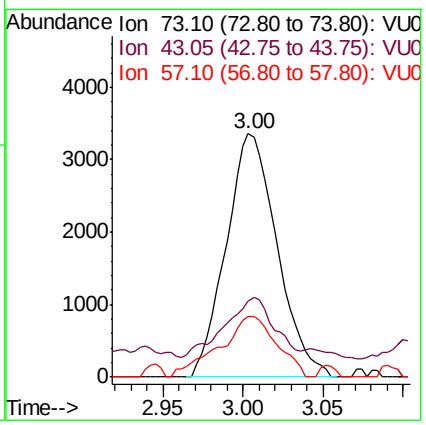


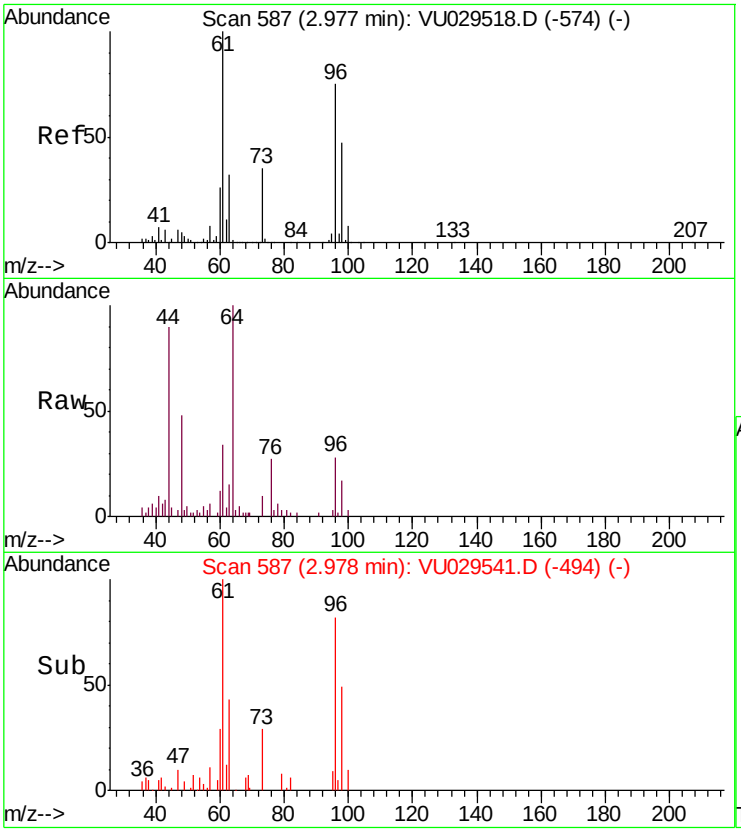


#17
Methyl tert-butyl Ether
Concen: 0.168 ug/L
RT: 3.00 min Scan# 595
Delta R.T. 0.00 min
Lab File: VU029541.D
Acq: 18 Feb 2019 19:42

Tgt Ion: 73 Resp: 7311

Ion	Ratio	Lower	Upper
73	100		
43	23.9	16.0	24.0
57	28.2	16.9	25.3#



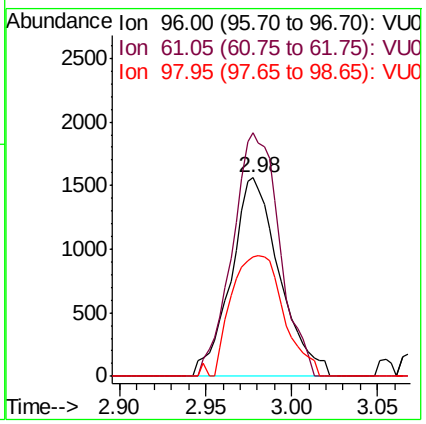


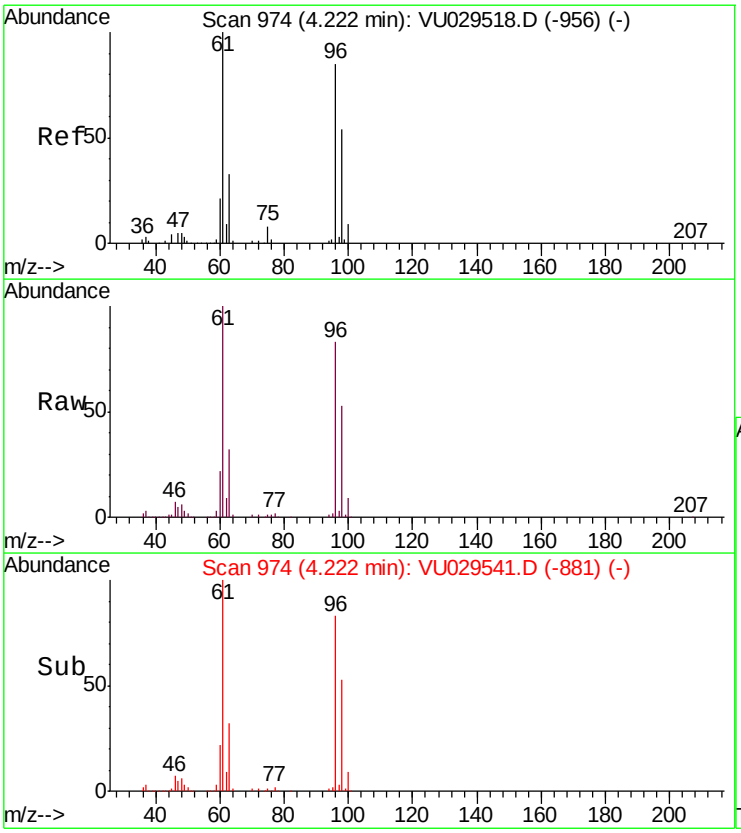
#18
trans-1,2-Dichloroethene
Concen: 0.165 ug/L
RT: 2.98 min Scan# 587
Delta R.T. 0.00 min
Lab File: VU029541.D
Acq: 18 Feb 2019 19:42

Instrument :
MSVOA_U
ClientSampleId :
ESXG4

Tgt Ion: 96 Resp: 3057

Ion	Ratio	Lower	Upper
96	100		
61	122.6	95.4	177.2
98	60.3	45.8	85.2

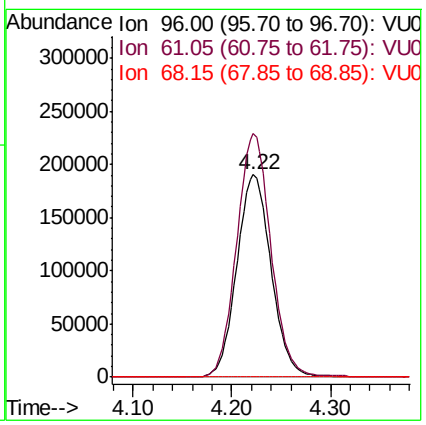


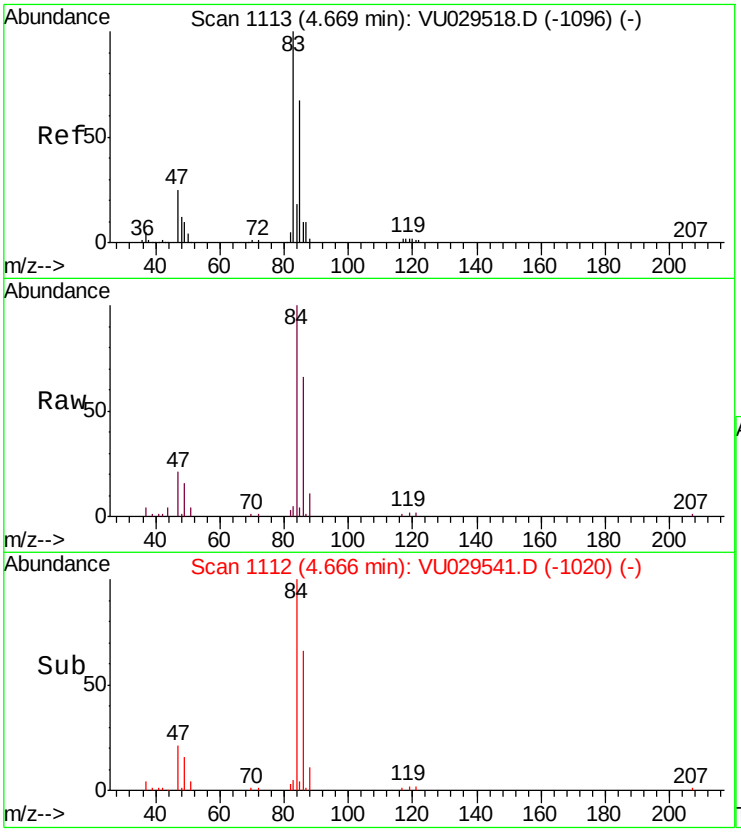


#22
cis-1,2-Dichloroethene
Concen: 26.997 ug/L
RT: 4.22 min Scan# 974
Delta R.T. 0.00 min
Lab File: VU029541.D
Acq: 18 Feb 2019 19:42

Tgt Ion: 96 Resp: 459066

Ion	Ratio	Lower	Upper
96	100		
61	120.3	79.9	148.5
68	0.0	0.0	0.0



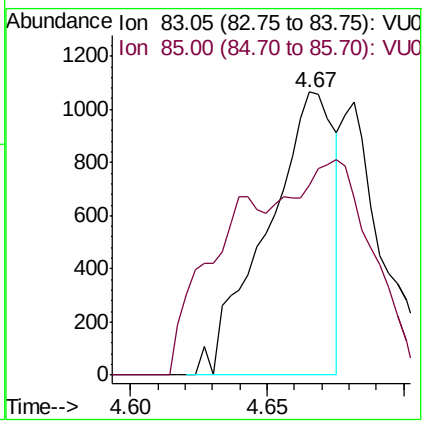


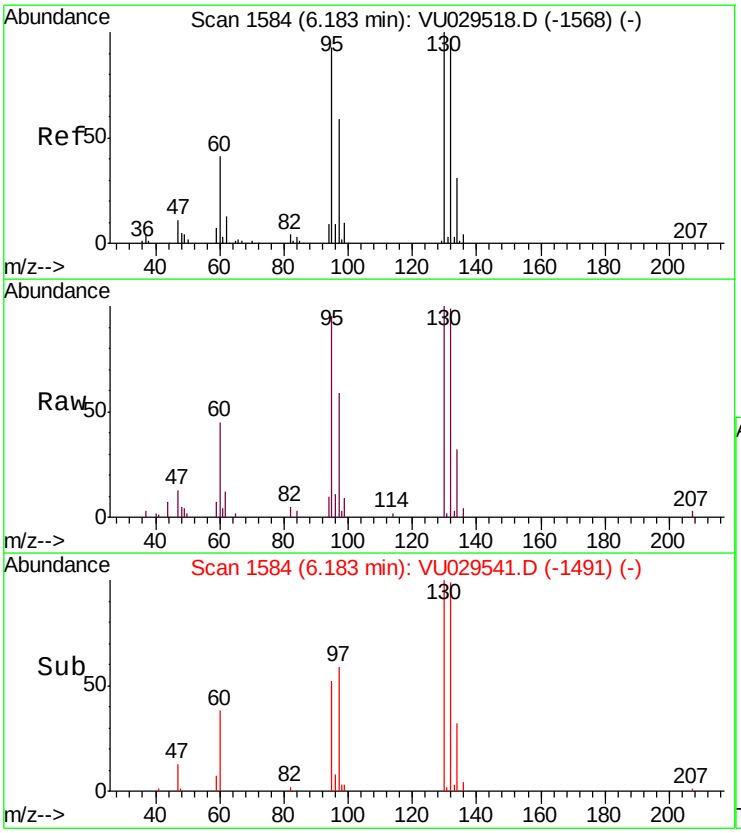
#25
Chloroform
Concen: 0.066 ug/L
RT: 4.67 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VU029541.D
Acq: 18 Feb 2019 19:42

Instrument : MSVOA_U
ClientSampleId : ESXG4

Tgt Ion: 83 Resp: 1830

Ion	Ratio	Lower	Upper
83	100		
85	67.1	47.8	88.8

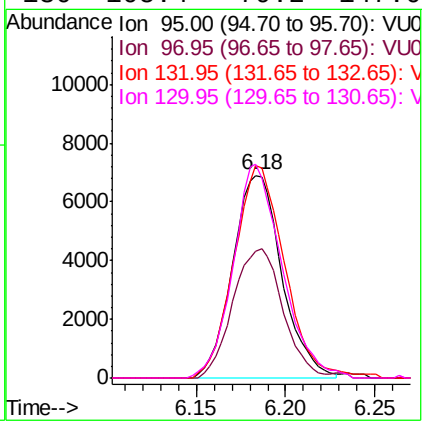


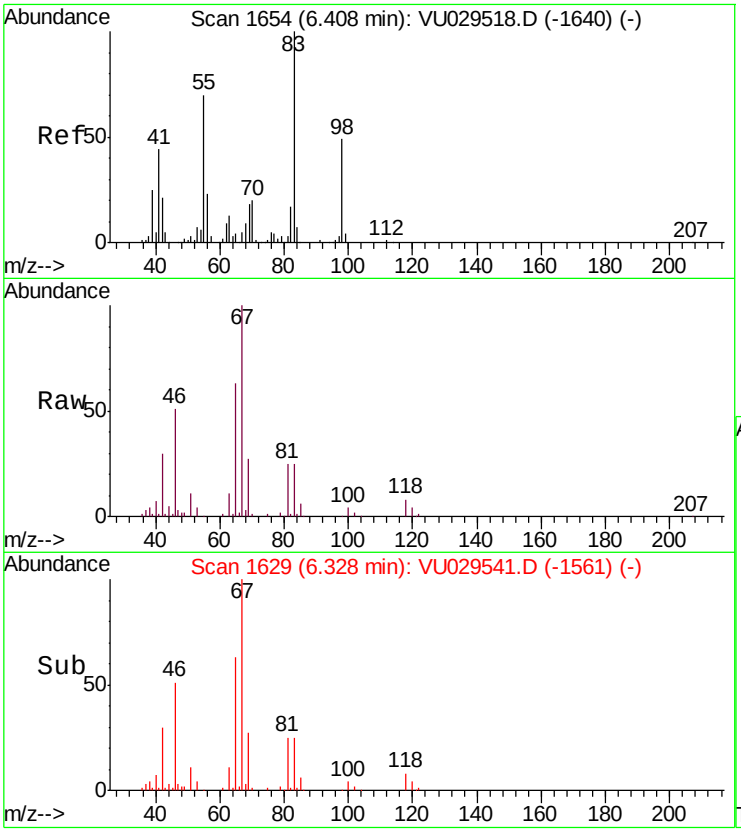


#34
Trichloroethene
Concen: 0.792 ug/L
RT: 6.18 min Scan# 1584
Delta R.T. 0.00 min
Lab File: VU029541.D
Acq: 18 Feb 2019 19:42

Tgt Ion: 95 Resp: 13304

Ion	Ratio	Lower	Upper
95	100		
97	62.7	46.3	86.1
132	104.8	72.9	135.3
130	105.4	79.2	147.0



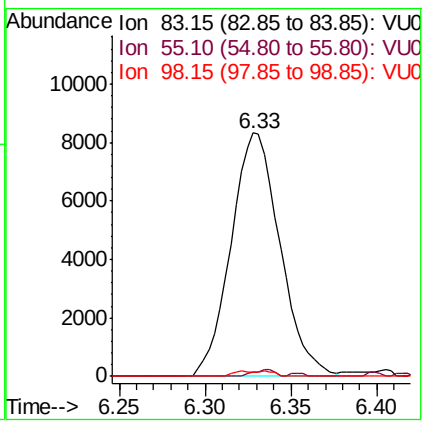


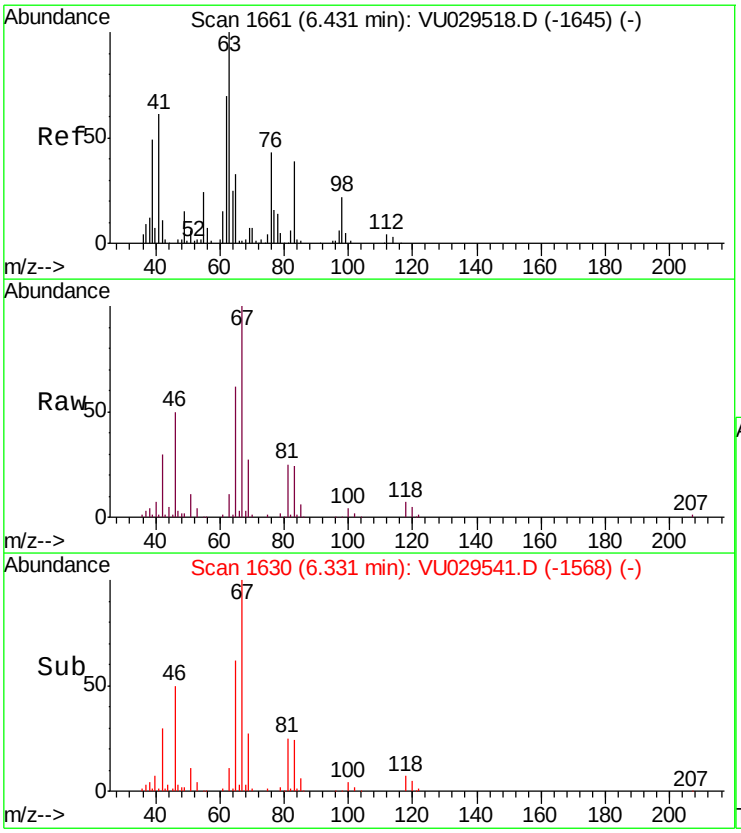
#35
Methylcyclohexane
Concen: 0.582 ug/L
RT: 6.33 min Scan# 1629
Delta R.T. -0.08 min
Lab File: VU029541.D
Acq: 18 Feb 2019 19:42

Instrument :
MSVOA_U
ClientSampleId :
ESXG4

Tgt Ion: 83 Resp: 16465

Ion	Ratio	Lower	Upper
83	100		
55	1.2	55.9	83.9#
98	0.9	38.6	57.8#

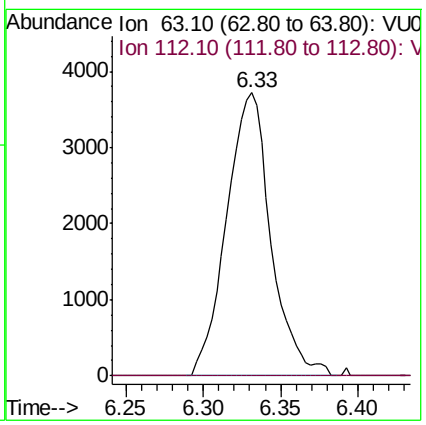


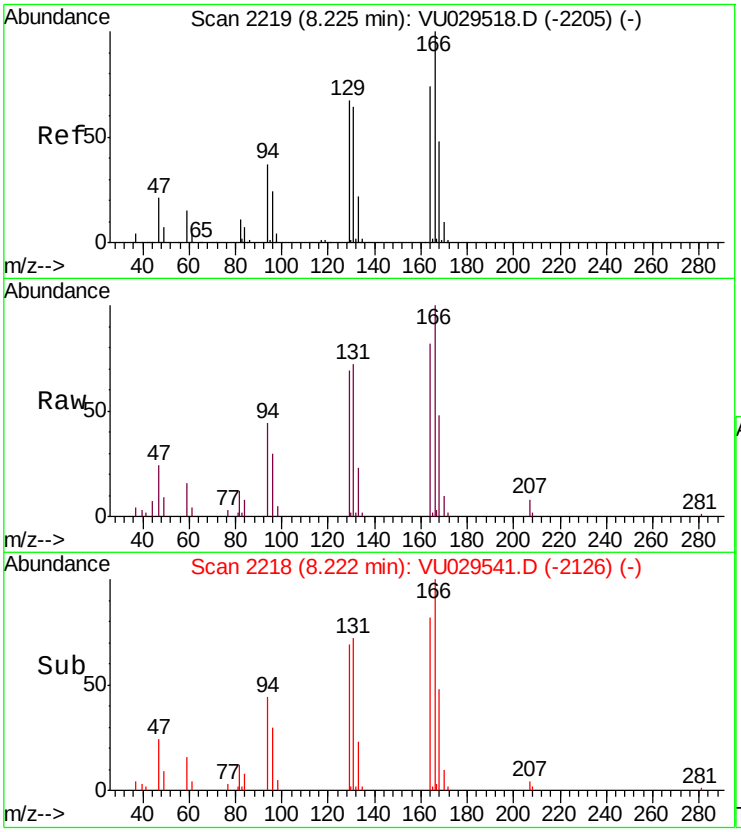


#37
1,2-Dichloropropane
Concen: 0.494 ug/L
RT: 6.33 min Scan# 1630
Delta R.T. -0.10 min
Lab File: VU029541.D
Acq: 18 Feb 2019 19:42

Tgt Ion: 63 Resp: 7398

Ion	Ratio	Lower	Upper
63	100		
112	0.0	3.5	5.3#



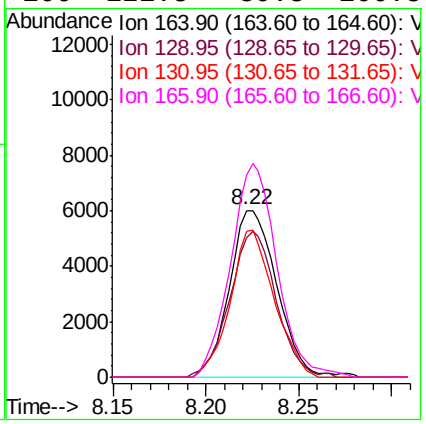


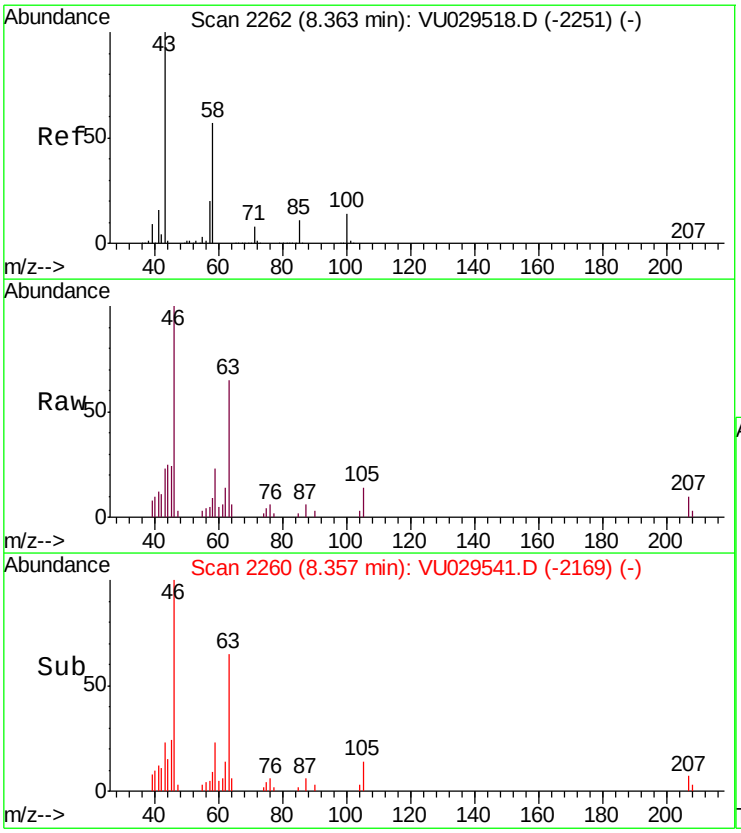
#47
Tetrachloroethene
Concen: 0.693 ug/L
RT: 8.22 min Scan# 2218
Delta R.T. -0.00 min
Lab File: VU029541.D
Acq: 18 Feb 2019 19:42

Instrument :
MSVOA_U
ClientSampleId :
ESXG4

Tgt Ion:164 Resp: 10663

Ion	Ratio	Lower	Upper
164	100		
129	83.9	62.9	116.9
131	87.0	62.1	115.3
166	121.3	89.8	166.8

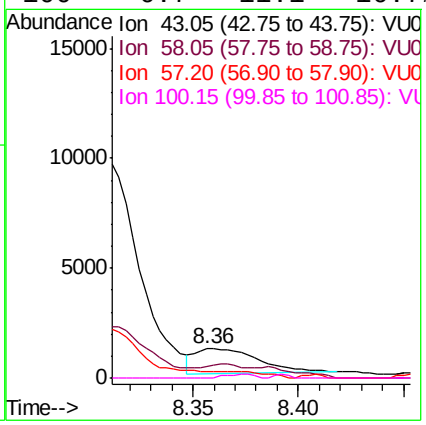


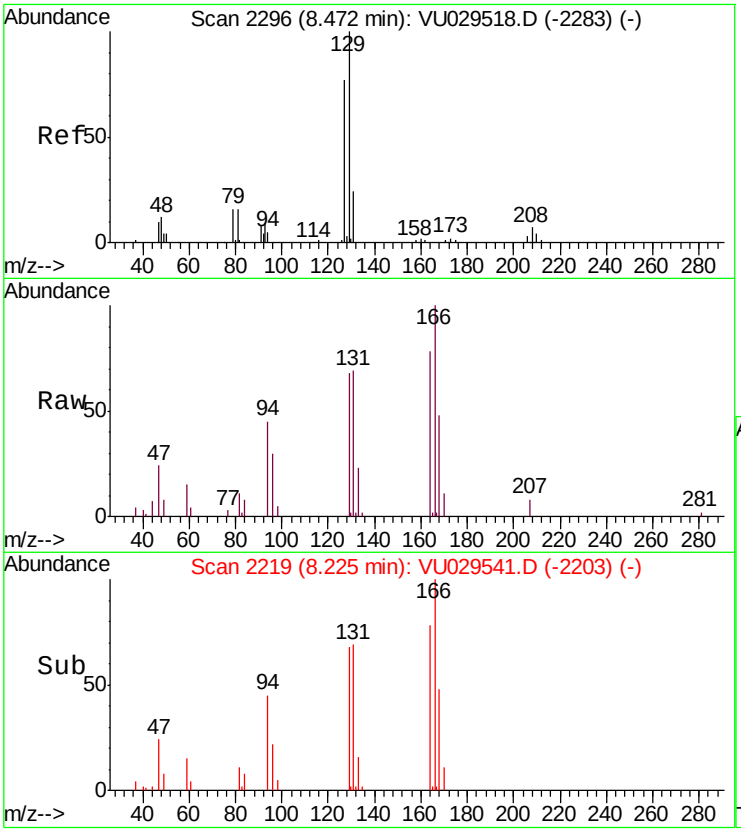


#48
2-Hexanone
Concen: 0.381 ug/L
RT: 8.36 min Scan# 2260
Delta R.T. -0.01 min
Lab File: VU029541.D
Acq: 18 Feb 2019 19:42

Tgt Ion: 43 Resp: 2398

Ion	Ratio	Lower	Upper
43	100		
58	43.1	45.7	68.5#
57	18.6	16.4	24.6
100	6.7	11.1	16.7#



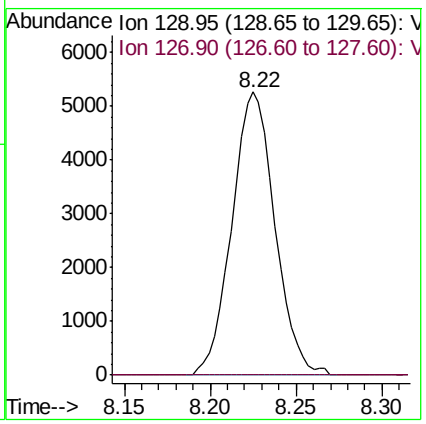


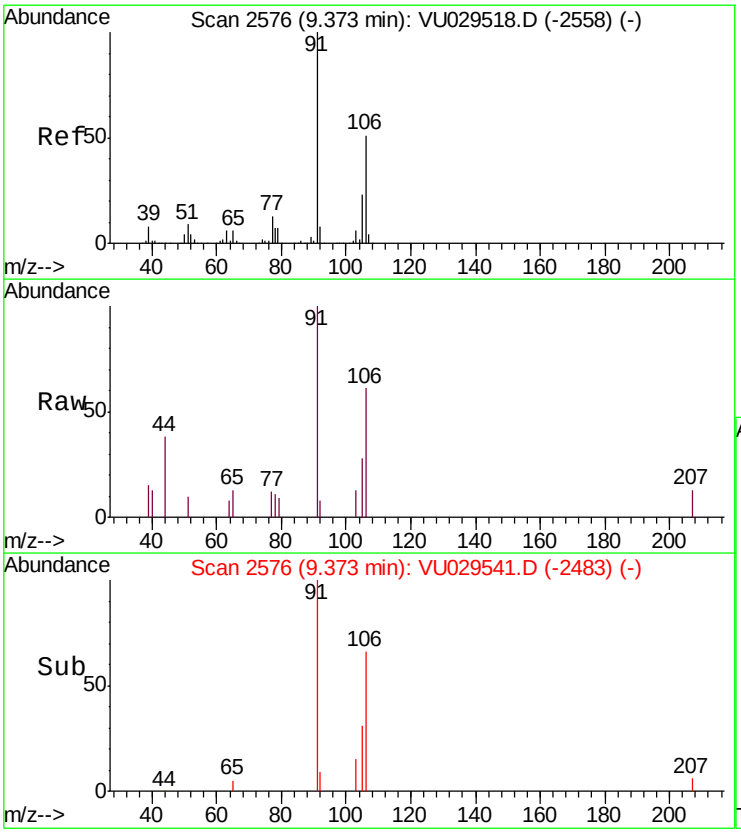
#49
Dibromochloromethane
Concen: 0.590 ug/L
RT: 8.22 min Scan# 2219
Delta R.T. -0.25 min
Lab File: VU029541.D
Acq: 18 Feb 2019 19:42

Instrument : MSVOA_U
ClientSampleId : ESXG4

Tgt Ion:129 Resp: 9127

Ion	Ratio	Lower	Upper
129	100		
127	0.0	53.3	99.1#

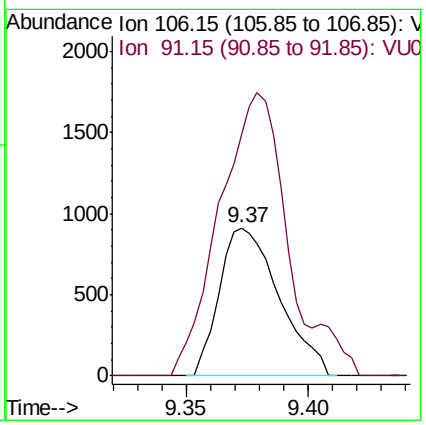


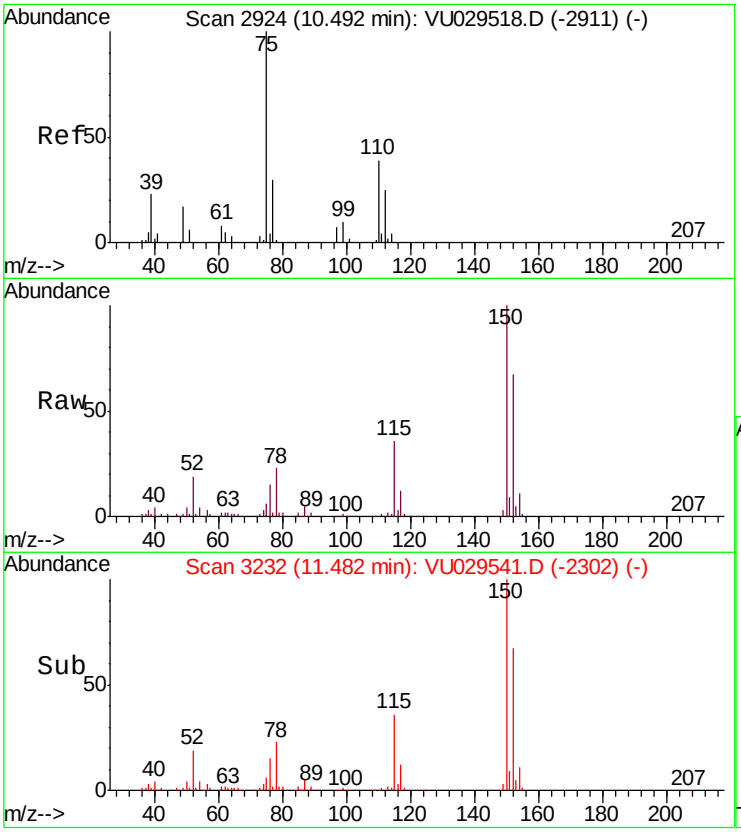


#53
m,p-xylene
Concen: 0.051 ug/L
RT: 9.37 min Scan# 2576
Delta R.T. 0.00 min
Lab File: VU029541.D
Acq: 18 Feb 2019 19:42

Tgt Ion:106 Resp: 1554

Ion	Ratio	Lower	Upper
106	100		
91	163.1	135.7	251.9



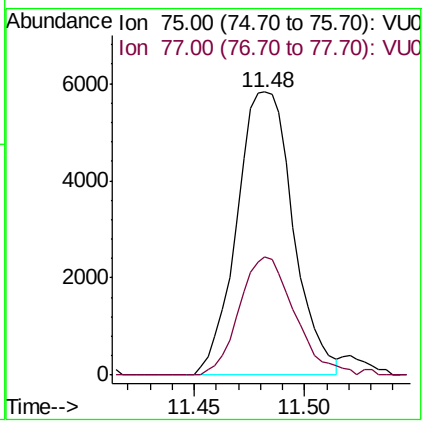


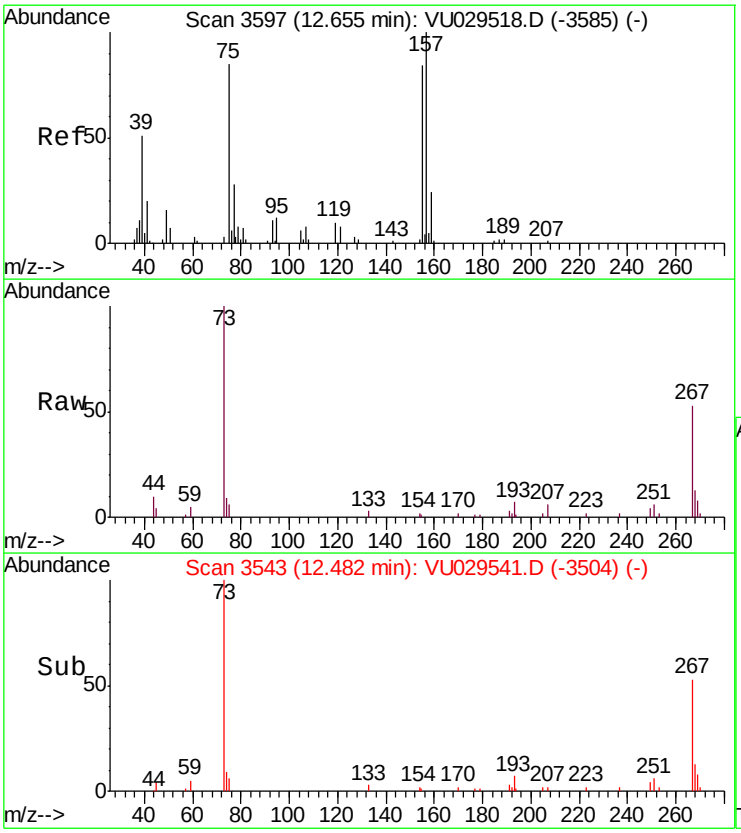
#59
1,2,3-Trichloropropane
Concen: 1.080 ug/L
RT: 11.48 min Scan# 3232
Delta R.T. 0.99 min
Lab File: VU029541.D
Acq: 18 Feb 2019 19:42

Instrument :
MSVOA_U
ClientSampleId :
ESXG4

Tgt Ion: 75 Resp: 10375

Ion	Ratio	Lower	Upper
75	100		
77	40.6	28.2	42.2





#66
1,2-Dibromo-3-chloropropane
Concen: 0.238 ug/L
RT: 12.48 min Scan# 3543
Delta R.T. -0.17 min
Lab File: VU029541.D
Acq: 18 Feb 2019 19:42

Tgt Ion: 75 Resp: 543

Ion	Ratio	Lower	Upper
75	100		
155	0.0	75.3	112.9#
157	0.0	103.0	154.4#