Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU022819\

Quantitation Report (Not Reviewed)

Data File : VU029741.D
Acq On : 28 Feb 2019 16:28
Operator : JC/SP
Sample : K1577-12
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : CWJX9

Quant Time: Mar 01 00:24:51 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR022119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Mar 01 00:18:18 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	245458	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	237756	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	124663	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.40	65	69949	4.36	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 87.20%			
7) Chloroethane-d5	1.68	69	69075	4.58	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 91.60%			
11) 1,1-Dichloroethene-d2	2.27	63	112957	3.28	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 65.60%			
20) 2-Butanone-d5	4.22	46	242680	66.96	ug/L	0.03
Spiked Amount 50.000	Range 40 - 130		Recovery = 133.92%#			
24) Chloroform-d	4.65	84	120318	4.26	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 85.20%			
26) 1,2-Dichloroethane-d4	5.31	65	79998	5.24	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 104.80%			
32) Benzene-d6	5.34	84	316671	5.19	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 103.80%			
36) 1,2-Dichloropropane-d6	6.33	67	99012	5.58	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 111.60%			
41) Toluene-d8	7.56	98	279944	4.68	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 93.60%			
43) trans-1,3-Dichloropropene-	7.85	79	36564	5.01	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 100.20%			
46) 2-Hexanone-d5	8.31	63	226804	63.47	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 126.94%			
57) 1,1,2,2-Tetrachloroethane-	10.43	84	88899	5.57	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 111.40%			
64) 1,2-Dichlorobenzene-d4	11.86	152	125801	5.13	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 102.60%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.21	85	1156	0.060	ug/L	93
3) Chloromethane	1.32	50	2332	0.141	ug/L	97
5) Vinyl chloride	1.40	62	82536	3.943	ug/L	98
8) Chloroethane	1.70	64	7902	0.583	ug/L	88
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	1145	0.060	ug/L #	17
12) 1,1-Dichloroethene	2.28	96	8571	0.471	ug/L #	1
13) Acetone	2.37	43	33961	13.043	ug/L	93
15) Methyl Acetate	2.37	43	26674	3.511	ug/L #	48
18) trans-1,2-Dichloroethene	2.98	96	17610	0.889	ug/L	99
19) 1,1-Dichloroethane	3.45	63	2847	0.092	ug/L	91
22) cis-1,2-Dichloroethene	4.22	96	679748	37.456	ug/L	93
25) Chloroform	4.67	83	33553	1.086	ug/L	98
30) Cyclohexane	4.99	56	1788	0.073	ug/L #	86
33) Benzene	5.39	78	95963	1.527	ug/L	100
34) Trichloroethene	6.18	95	457442	26.079	ug/L	98
35) Methylcyclohexane	6.41	83	2014	0.071	ug/L #	86
37) 1,2-Dichloropropane	6.33	63	10638	0.672	ug/L #	86

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU022819\

Quantitation Report (Not Reviewed)

Data File : VU029741.D
Acq On : 28 Feb 2019 16:28
Operator : JC/SP
Sample : K1577-12
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : CWJX9

Quant Time: Mar 01 00:24:51 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR022119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Mar 01 00:18:18 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
39) cis-1,3-Dichloropropene	7.23	75	2293	0.099	ug/L	#	50
42) Toluene	7.64	91	39915	0.560	ug/L		99
45) 1,1,2-Trichloroethane	8.04	97	1866	0.151	ug/L	#	21
47) Tetrachloroethene	8.22	164	38674	2.374	ug/L		96
48) 2-Hexanone	8.37	43	4506	0.693	ug/L	#	78
49) Dibromochloromethane	8.22	129	35564	2.369	ug/L	#	12
51) Chlorobenzene	9.12	112	436719	8.920	ug/L		99
52) Ethylbenzene	9.25	91	2849	0.036	ug/L		95
53) m,p-xylene	9.37	106	2736	0.086	ug/L		93
56) Isopropylbenzene	10.16	105	15960	0.193	ug/L		96
59) 1,2,3-Trichloropropane	11.42	75	1496	0.142	ug/L	#	43
62) 1,3-Dichlorobenzene	11.42	146	5567	0.141	ug/L		97
63) 1,4-Dichlorobenzene	11.50	146	32896	0.820	ug/L		99
65) 1,2-Dichlorobenzene	11.87	146	12655	0.331	ug/L		95

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

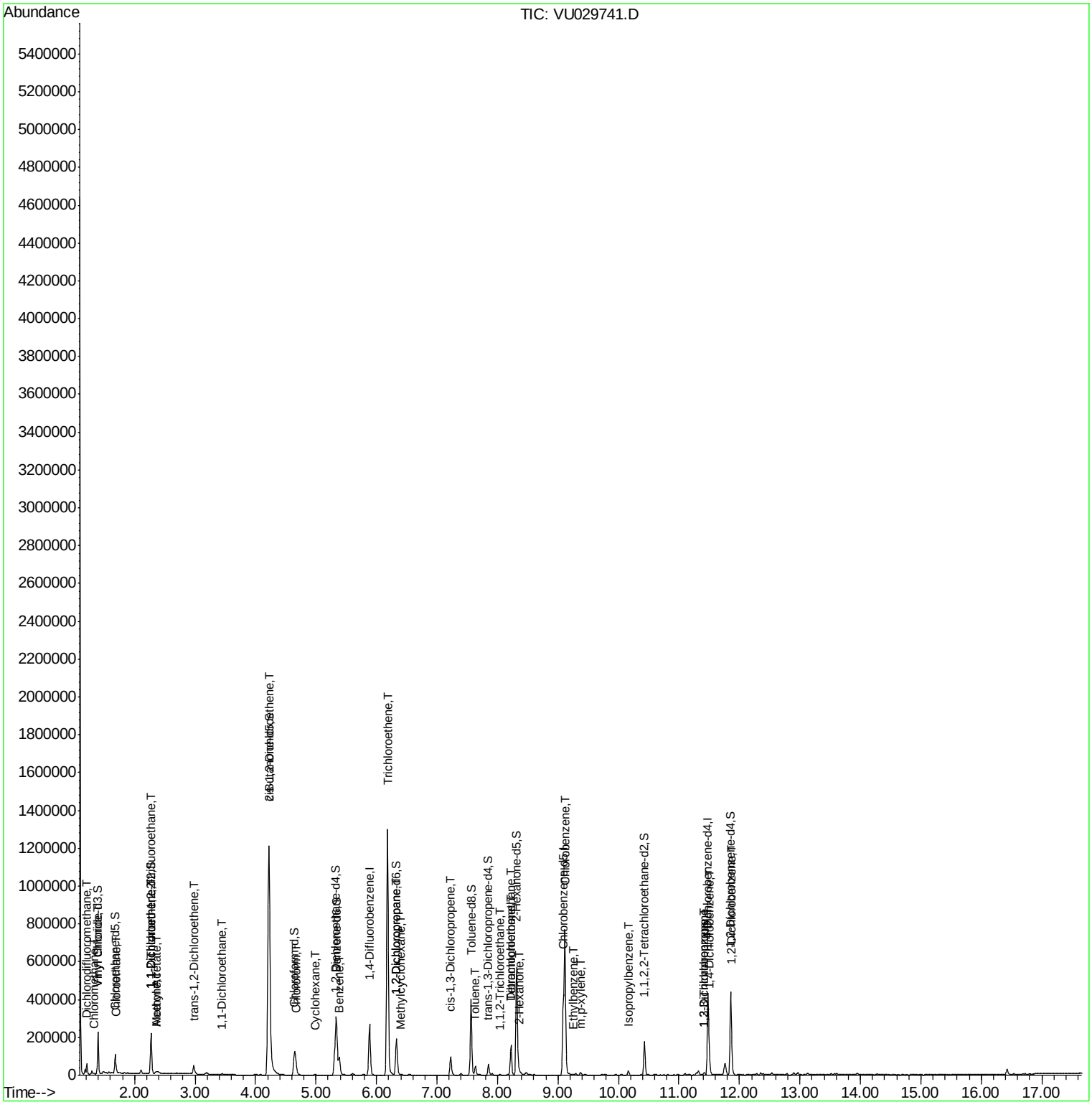
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU022819\

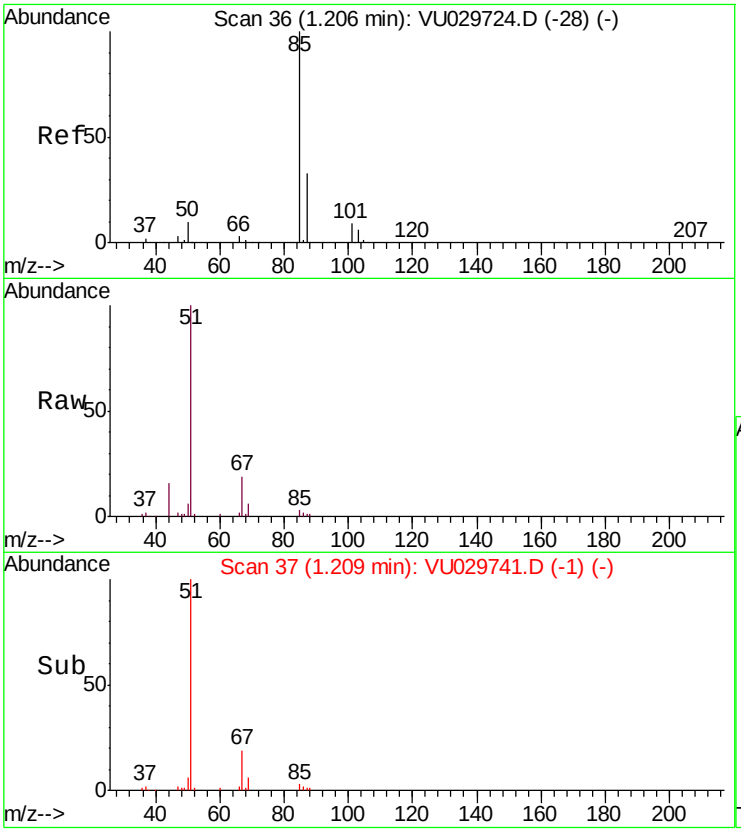
Quantitation Report (Not Reviewed)

Data File : VU029741.D
Acq On : 28 Feb 2019 16:28
Operator : JC/SP
Sample : K1577-12
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : CWJX9

Quant Time: Mar 01 00:24:51 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR022119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Mar 01 00:18:18 2019
Response via : Initial Calibration



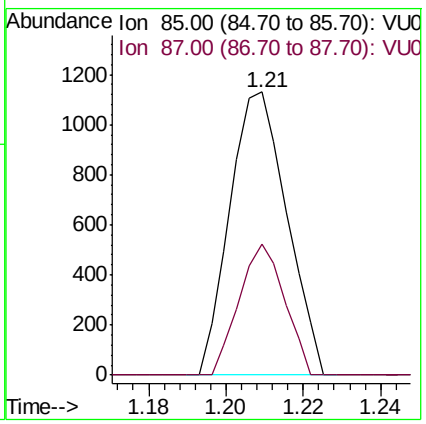


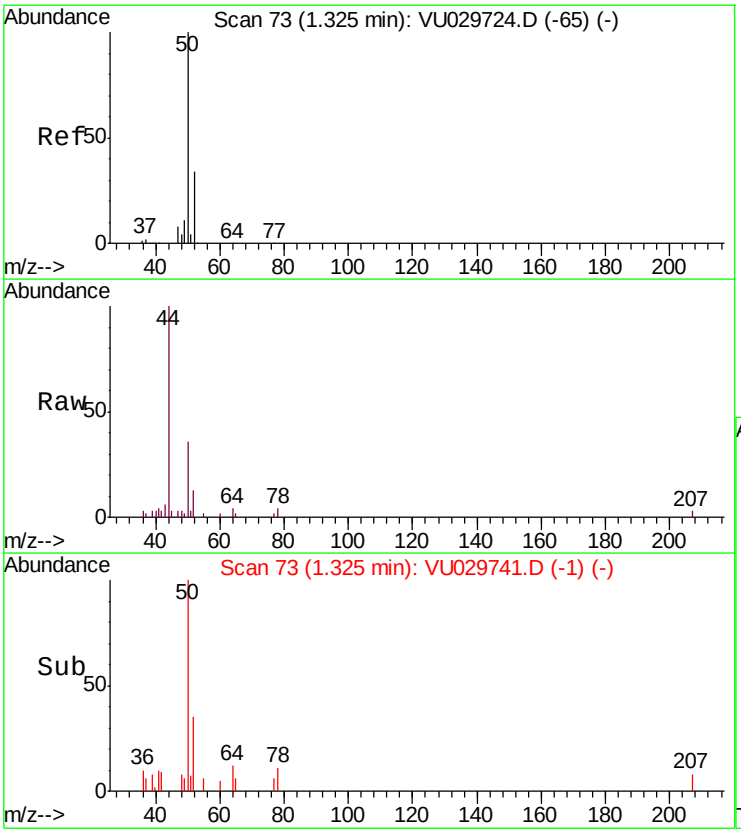
#2
Dichlorodifluoromethane
Concen: 0.060 ug/L
RT: 1.21 min Scan# 37
Delta R.T. 0.00 min
Lab File: VU029741.D
Acq: 28 Feb 2019 16:28

Instrument : MSVOA_U
ClientSampleId : CWJX9

Tgt Ion: 85 Resp: 1156

Ion	Ratio	Lower	Upper
85	100		
87	36.9	26.2	39.4

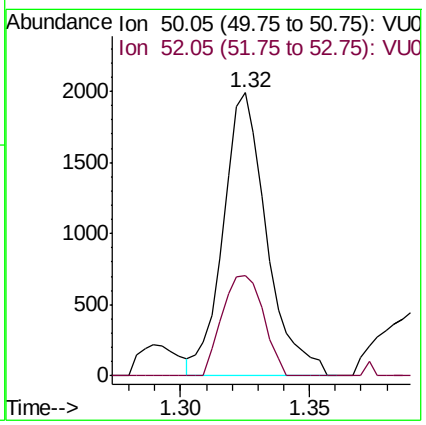


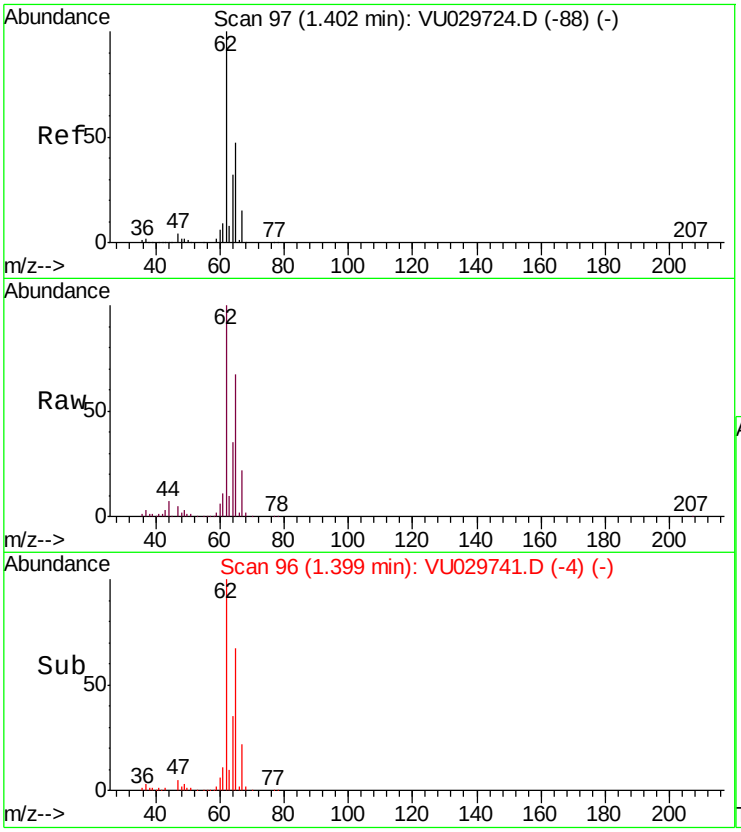


#3
Chloromethane
Concen: 0.141 ug/L
RT: 1.32 min Scan# 73
Delta R.T. 0.00 min
Lab File: VU029741.D
Acq: 28 Feb 2019 16:28

Tgt Ion: 50 Resp: 2332

Ion	Ratio	Lower	Upper
50	100		
52	35.3	23.5	43.7



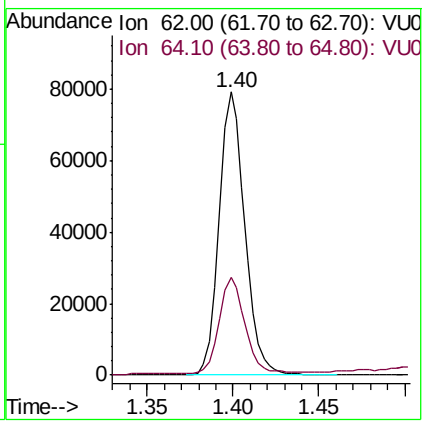


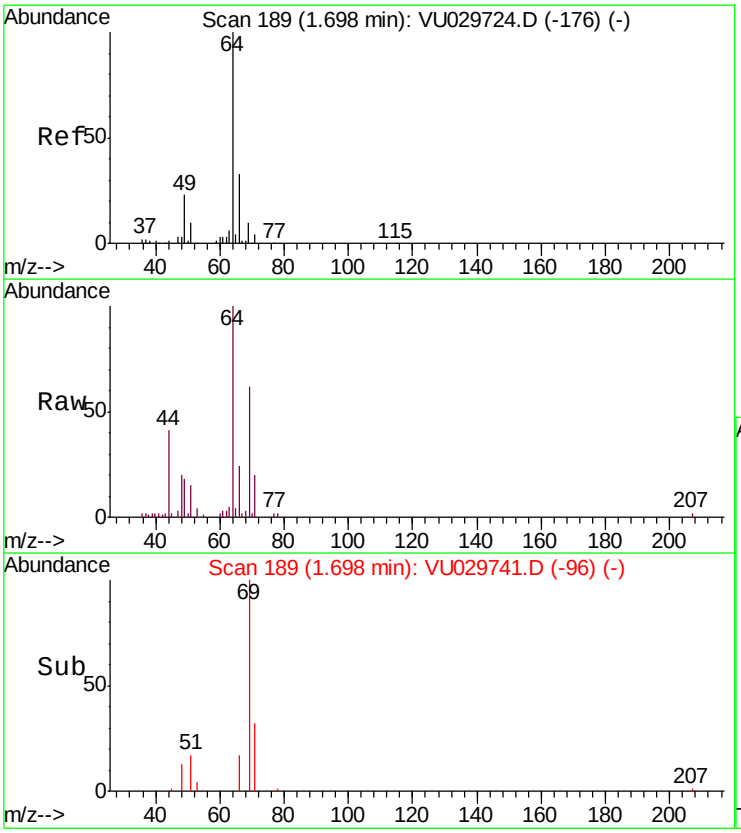
#5
Vinyl chloride
Concen: 3.943 ug/L
RT: 1.40 min Scan# 96
Delta R.T. -0.00 min
Lab File: VU029741.D
Acq: 28 Feb 2019 16:28

Instrument :
MSVOA_U
ClientSampleId :
CWJX9

Tgt Ion: 62 Resp: 82536

Ion	Ratio	Lower	Upper
62	100		
64	34.5	24.8	46.1

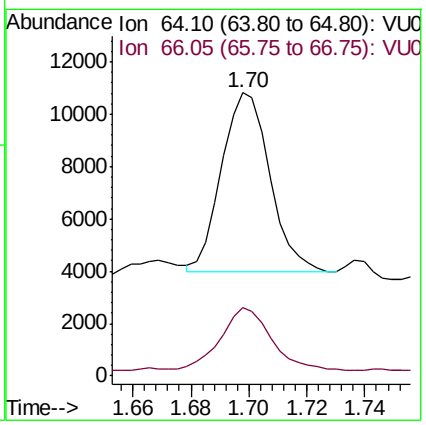


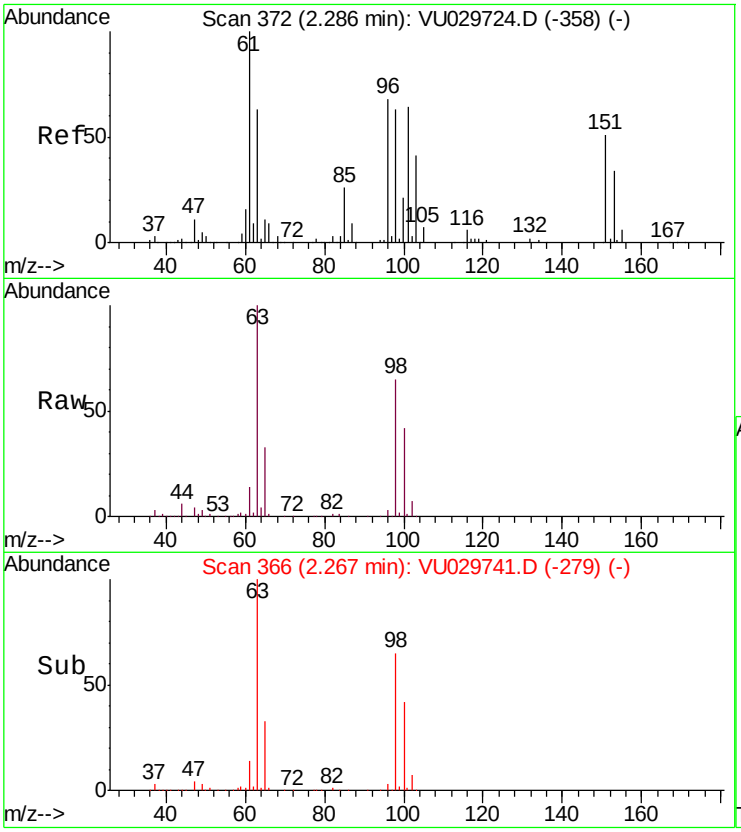


#8
Chloroethane
Concen: 0.583 ug/L
RT: 1.70 min Scan# 189
Delta R.T. 0.00 min
Lab File: VU029741.D
Acq: 28 Feb 2019 16:28

Tgt Ion: 64 Resp: 7902

Ion	Ratio	Lower	Upper
64	100		
66	24.2	21.4	39.8



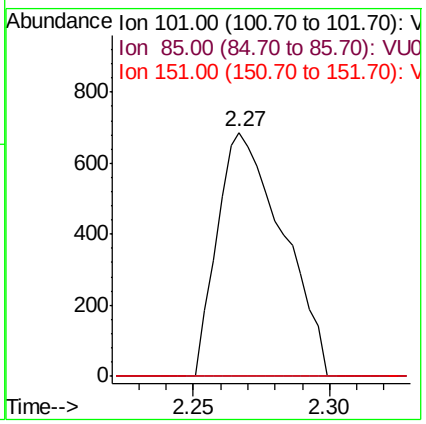


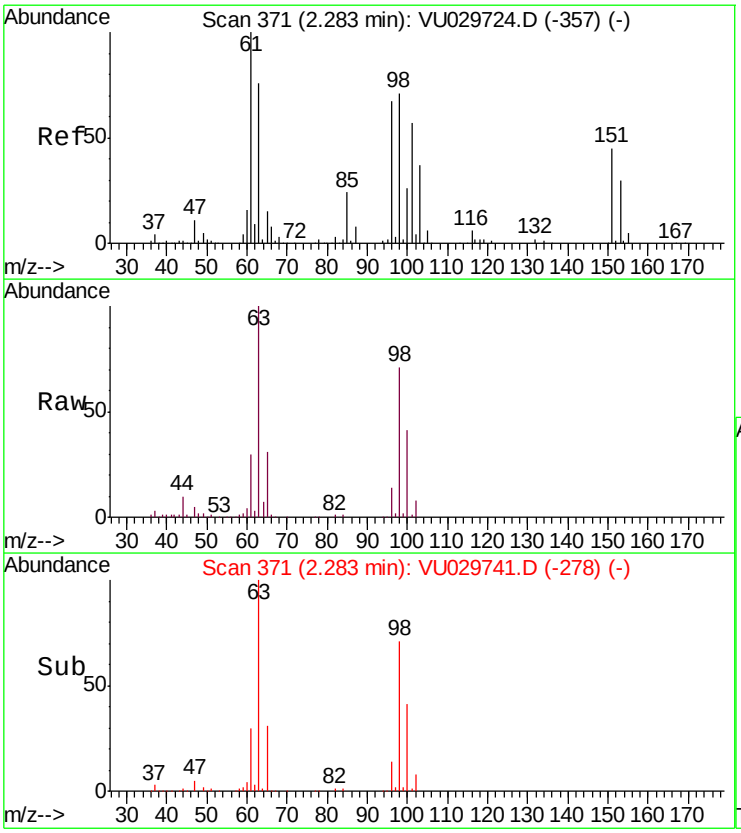
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.060 ug/L
RT: 2.27 min Scan# 366
Delta R.T. -0.02 min
Lab File: VU029741.D
Acq: 28 Feb 2019 16:28

Instrument :
MSVOA_U
ClientSampleId :
CWJX9

Tgt Ion:101 Resp: 1145

Ion	Ratio	Lower	Upper
101	100		
85	0.0	32.8	49.2#
151	0.0	65.9	98.9#

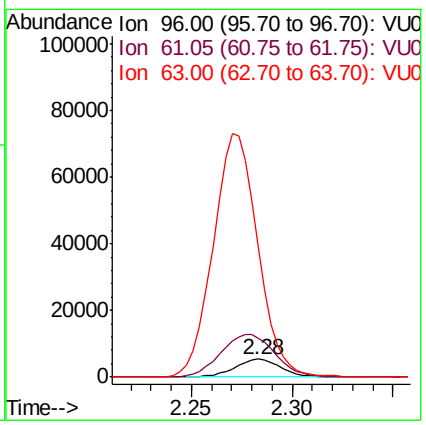


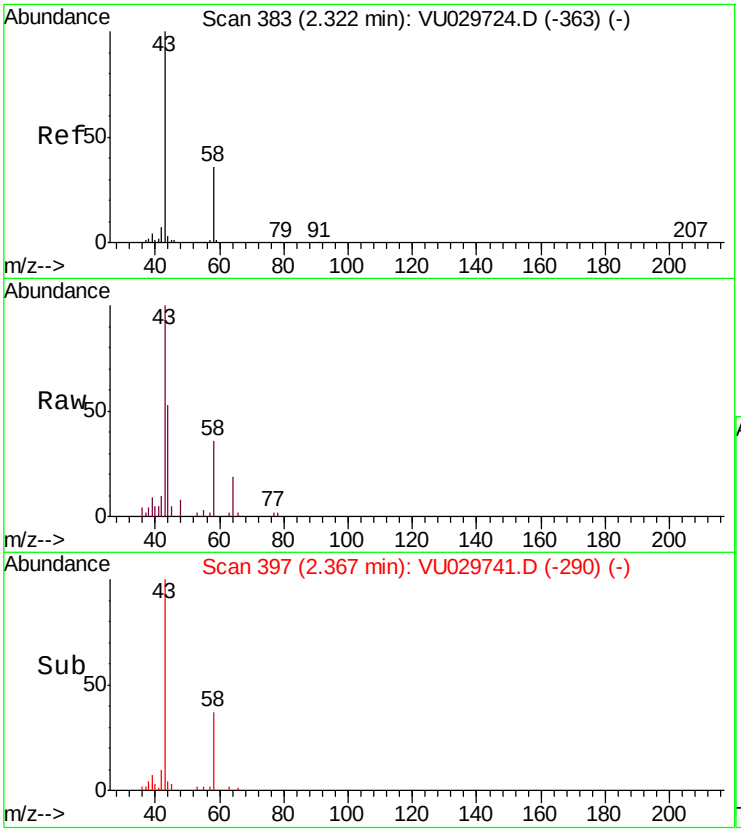


#12
1,1-Dichloroethene
Concen: 0.471 ug/L
RT: 2.28 min Scan# 371
Delta R.T. 0.00 min
Lab File: VU029741.D
Acq: 28 Feb 2019 16:28

Tgt Ion: 96 Resp: 8571

Ion	Ratio	Lower	Upper
96	100		
61	217.5	111.3	206.7#
63	725.3	88.5	164.3#



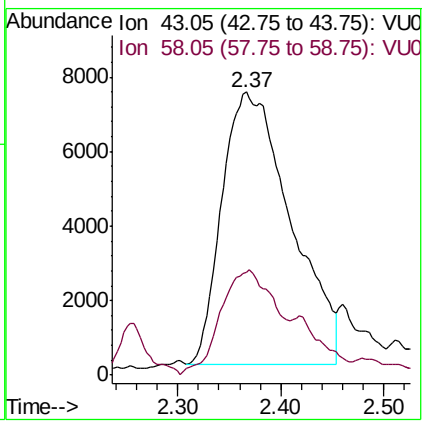


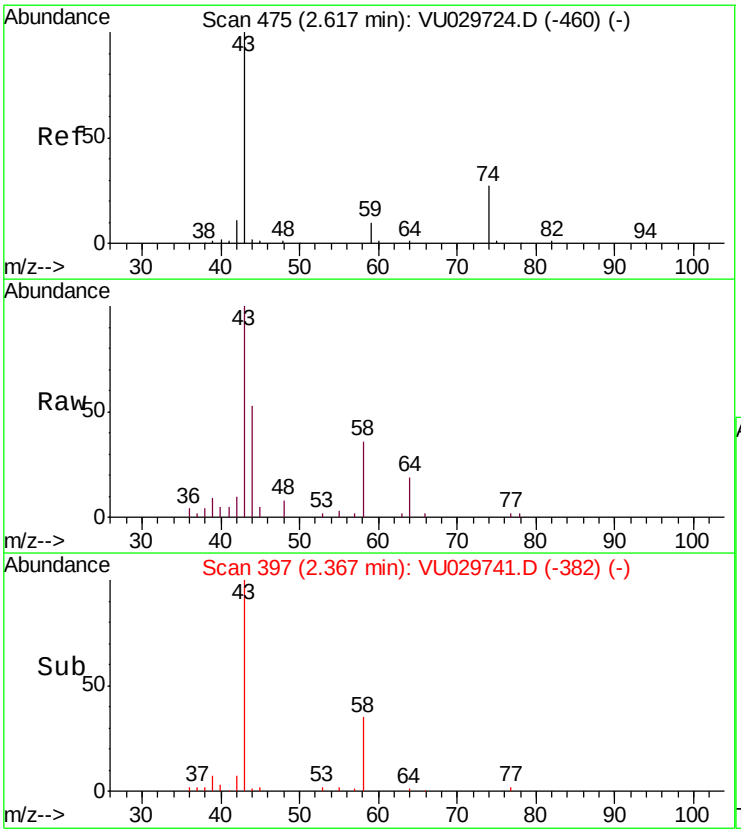
#13
Acetone
Concen: 13.043 ug/L
RT: 2.37 min Scan# 397
Delta R.T. 0.05 min
Lab File: VU029741.D
Acq: 28 Feb 2019 16:28

Instrument :
MSVOA_U
ClientSampleId :
CWJX9

Tgt Ion: 43 Resp: 33961

Ion	Ratio	Lower	Upper
43	100		
58	30.8	0.0	70.2

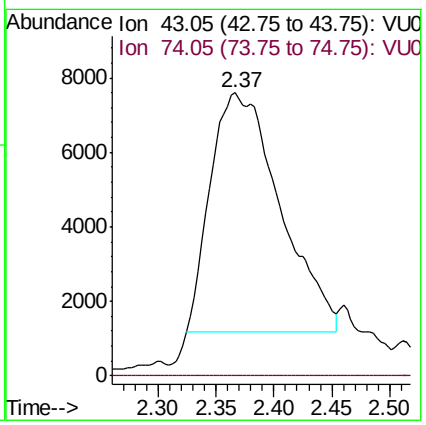


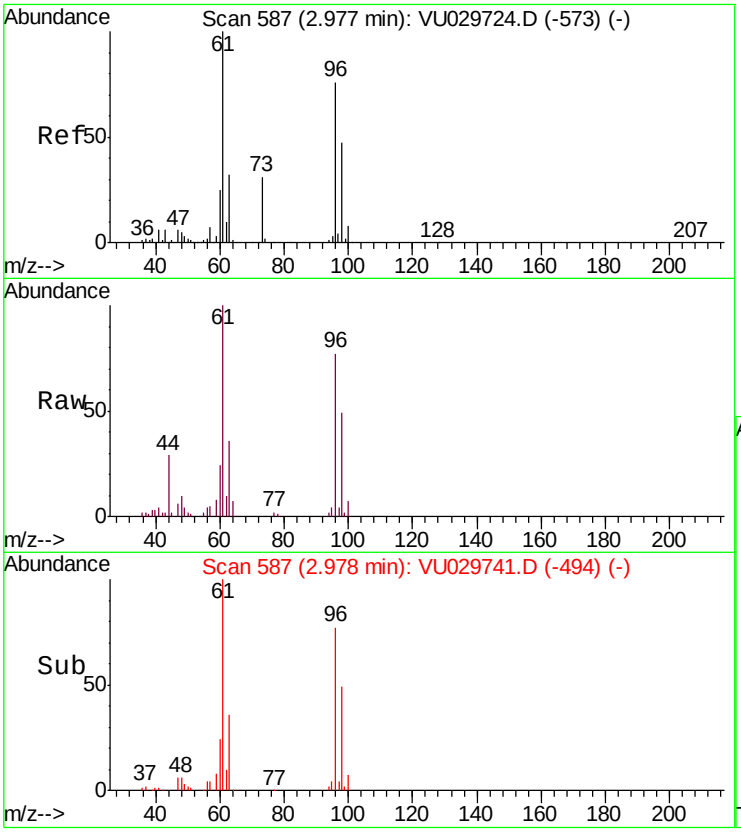


#15
Methyl Acetate
Concen: 3.511 ug/L
RT: 2.37 min Scan# 397
Delta R.T. -0.25 min
Lab File: VU029741.D
Acq: 28 Feb 2019 16:28

Tgt Ion: 43 Resp: 26674

Ion	Ratio	Lower	Upper
43	100		
74	0.0	21.6	32.4#



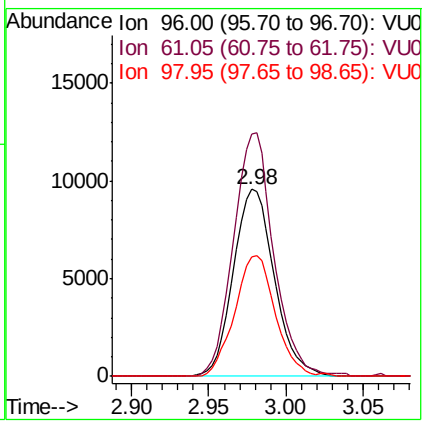


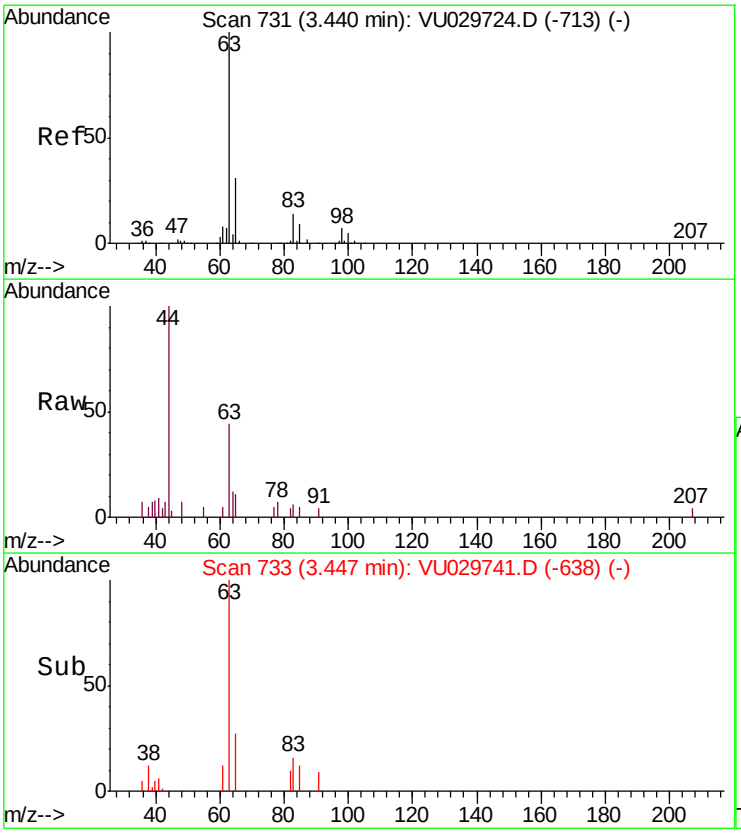
#18
trans-1,2-Dichloroethene
Concen: 0.889 ug/L
RT: 2.98 min Scan# 587
Delta R.T. 0.00 min
Lab File: VU029741.D
Acq: 28 Feb 2019 16:28

Instrument :
MSVOA_U
ClientSampleId :
CWJX9

Tgt Ion: 96 Resp: 17610

Ion	Ratio	Lower	Upper
96	100		
61	129.8	90.3	167.7
98	64.0	45.2	84.0

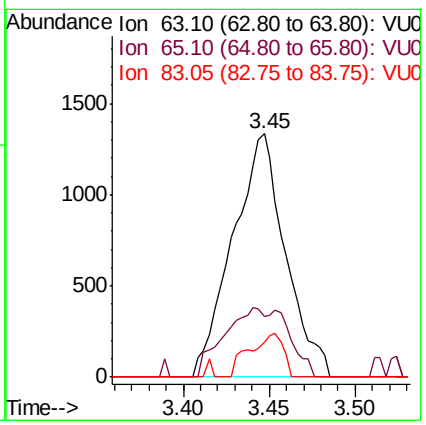


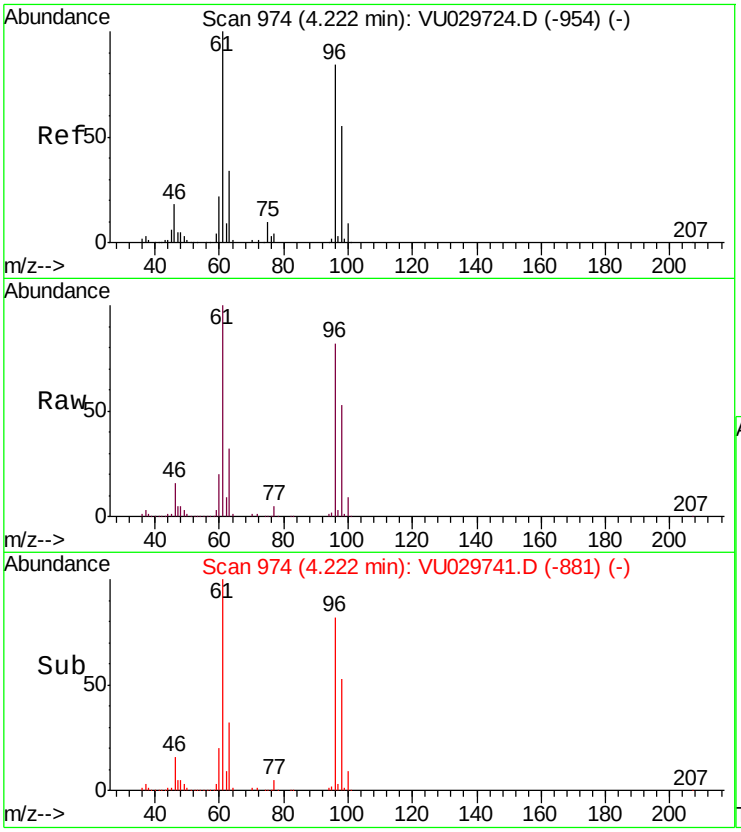


#19
1,1-Dichloroethane
Concen: 0.092 ug/L
RT: 3.45 min Scan# 733
Delta R.T. 0.01 min
Lab File: VU029741.D
Acq: 28 Feb 2019 16:28

Tgt Ion: 63 Resp: 2847

Ion	Ratio	Lower	Upper
63	100		
65	24.9	22.3	41.5
83	14.2	9.9	18.5



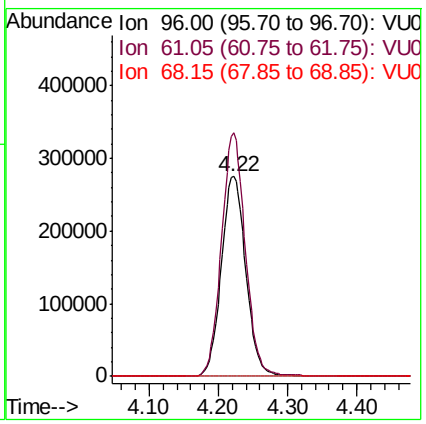


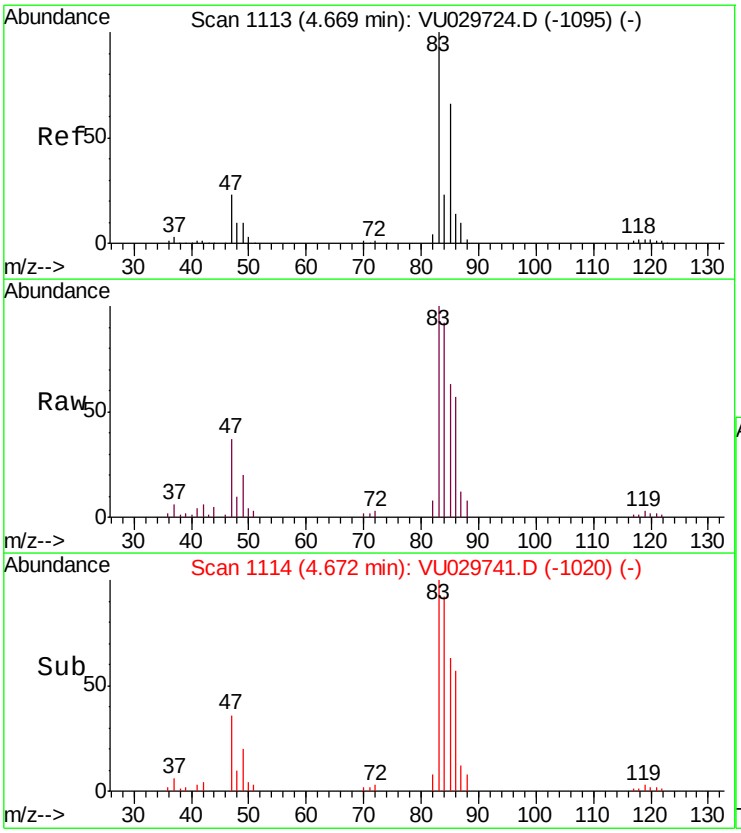
#22
cis-1,2-Dichloroethene
Concen: 37.456 ug/L
RT: 4.22 min Scan# 974
Delta R.T. 0.00 min
Lab File: VU029741.D
Acq: 28 Feb 2019 16:28

Instrument :
MSVOA_U
ClientSampleId :
CWJX9

Tgt Ion: 96 Resp: 679748

Ion	Ratio	Lower	Upper
96	100		
61	121.7	80.2	149.0
68	0.0	0.0	0.0

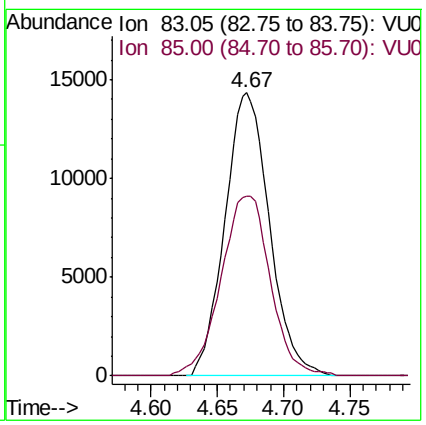


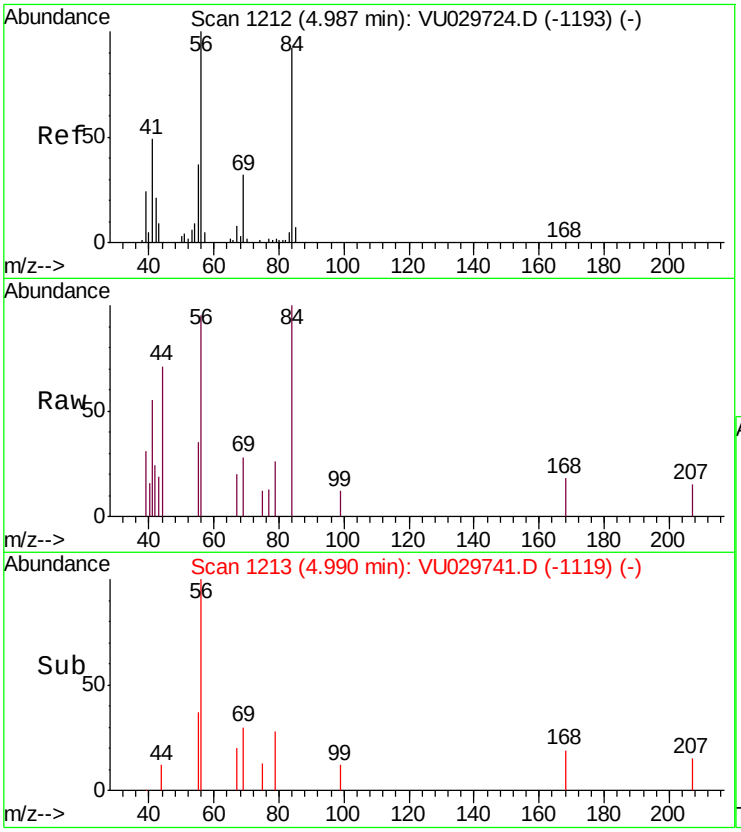


#25
Chloroform
Concen: 1.086 ug/L
RT: 4.67 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VU029741.D
Acq: 28 Feb 2019 16:28

Tgt Ion: 83 Resp: 33553

Ion	Ratio	Lower	Upper
83	100		
85	63.5	45.6	84.6



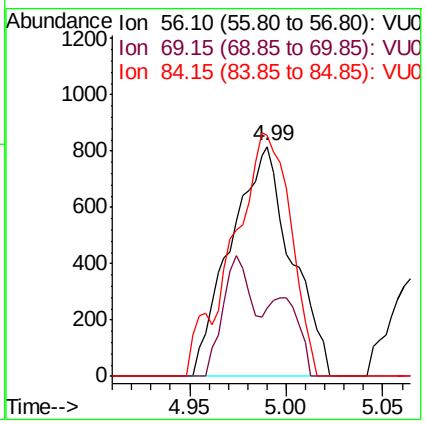


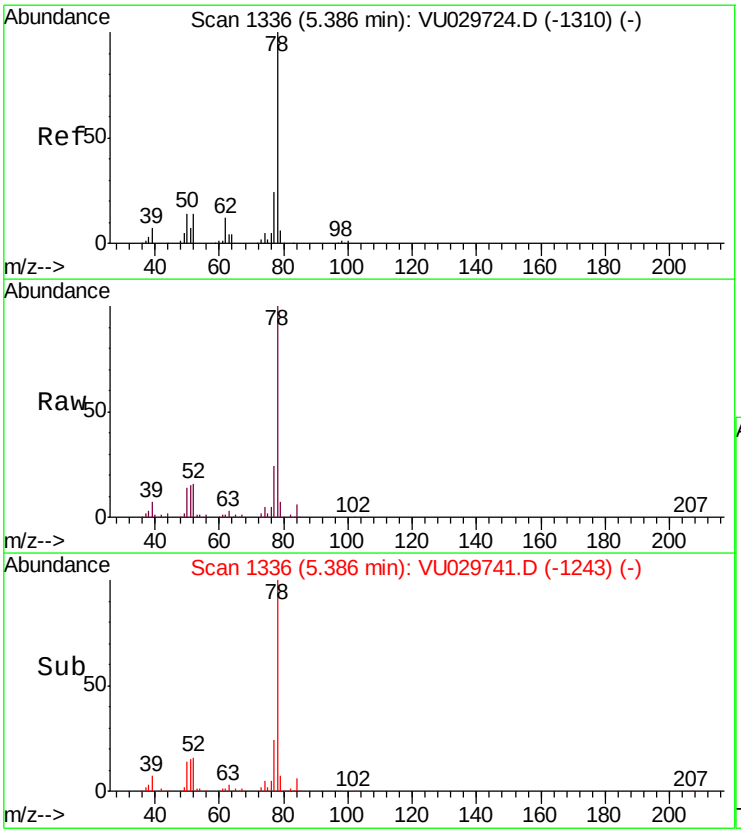
#30
Cyclohexane
Concen: 0.073 ug/L
RT: 4.99 min Scan# 1213
Delta R.T. 0.00 min
Lab File: VU029741.D
Acq: 28 Feb 2019 16:28

Instrument :
MSVOA_U
ClientSampleId :
CWJX9

Tgt Ion: 56 Resp: 1788

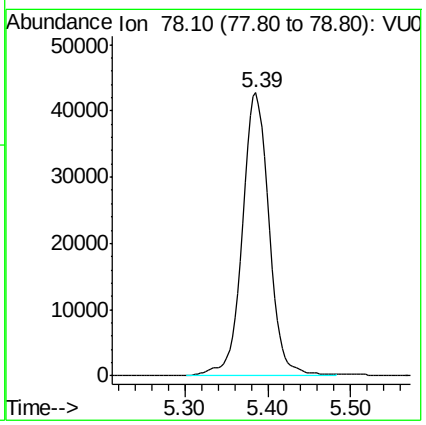
Ion	Ratio	Lower	Upper
56	100		
69	17.5	25.8	38.8#
84	101.1	73.5	110.3

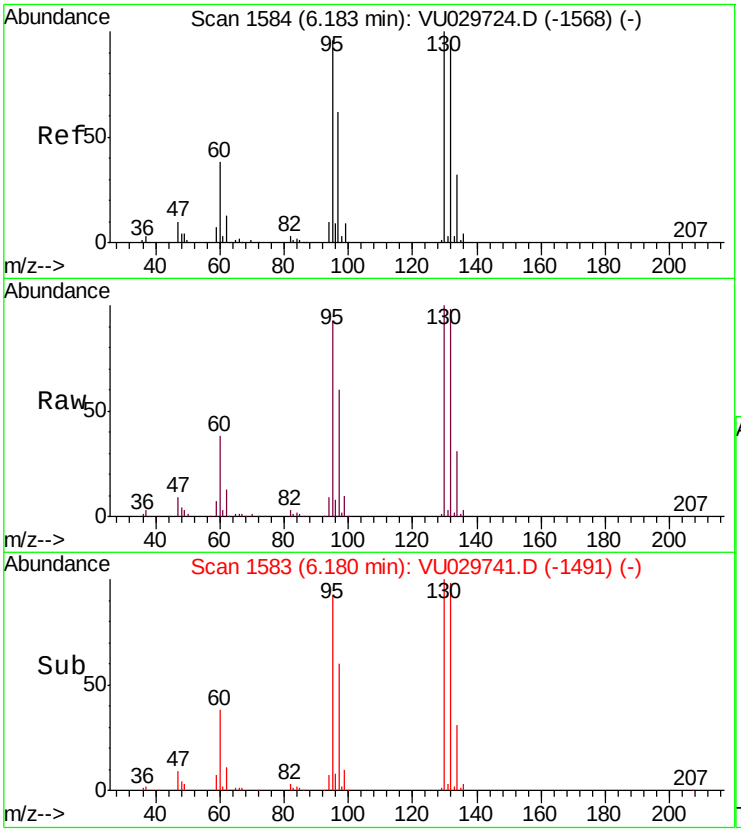




#33
Benzene
Concen: 1.527 ug/L
RT: 5.39 min Scan# 1336
Delta R.T. 0.00 min
Lab File: VU029741.D
Acq: 28 Feb 2019 16:28

Tgt Ion: 78 Resp: 95963



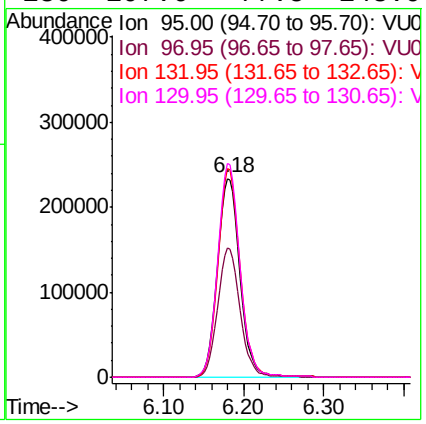


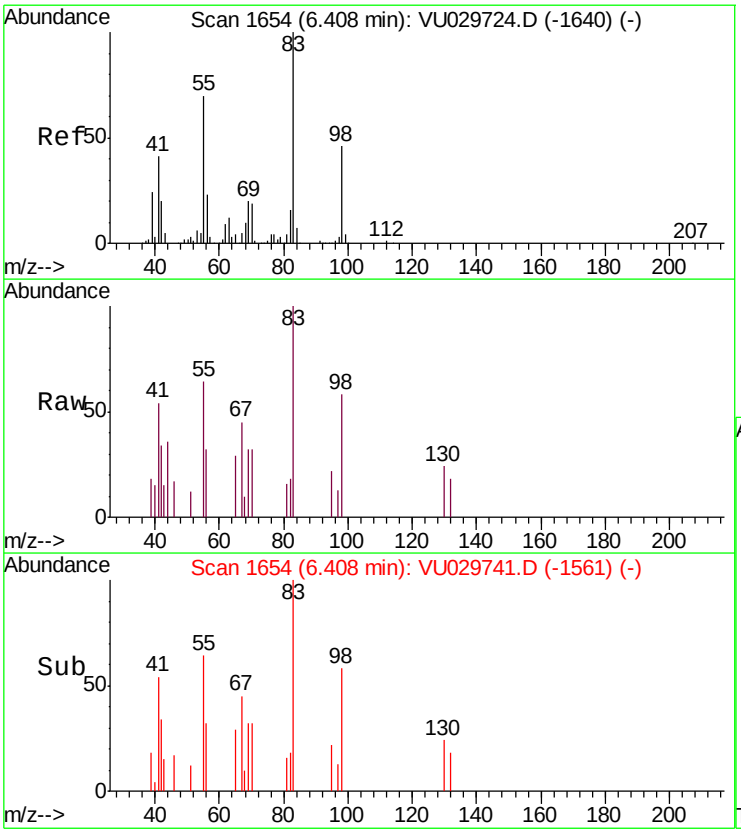
#34
Trichloroethene
Concen: 26.079 ug/L
RT: 6.18 min Scan# 1583
Delta R.T. -0.00 min
Lab File: VU029741.D
Acq: 28 Feb 2019 16:28

Instrument :
MSVOA_U
ClientSampleId :
CWJX9

Tgt Ion: 95 Resp: 457442

Ion	Ratio	Lower	Upper
95	100		
97	64.8	45.6	84.8
132	105.0	72.9	135.3
130	107.6	77.5	143.9

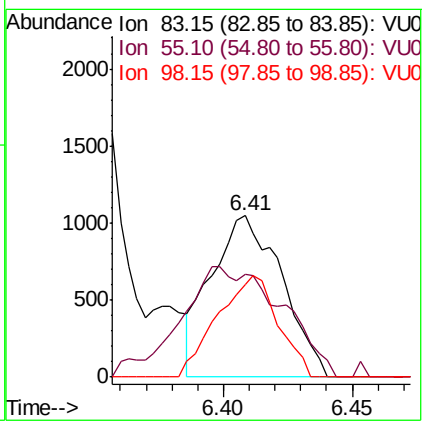


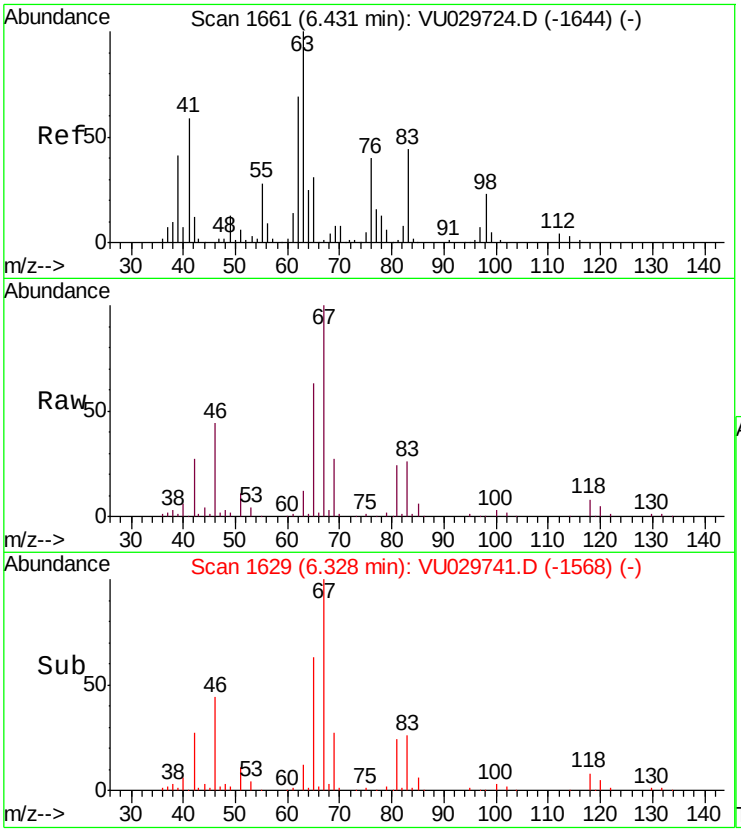


#35
Methylcyclohexane
Concen: 0.071 ug/L
RT: 6.41 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VU029741.D
Acq: 28 Feb 2019 16:28

Tgt Ion: 83 Resp: 2014

Ion	Ratio	Lower	Upper
83	100		
55	54.6	56.5	84.7#
98	53.5	39.4	59.2



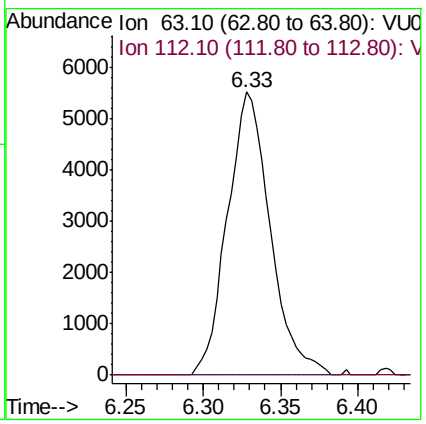


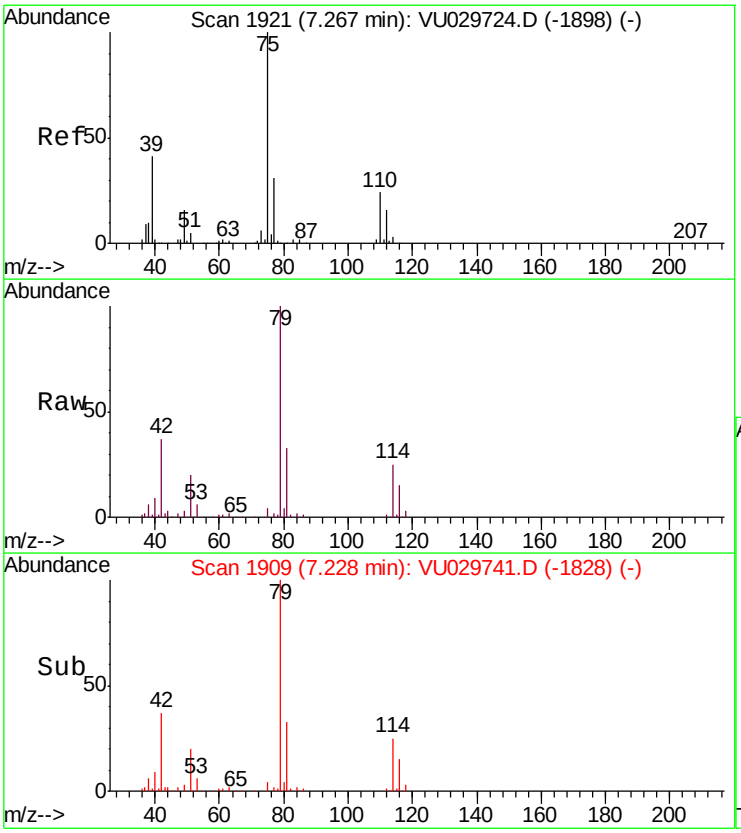
#37
1,2-Dichloropropane
Concen: 0.672 ug/L
RT: 6.33 min Scan# 1629
Delta R.T. -0.10 min
Lab File: VU029741.D
Acq: 28 Feb 2019 16:28

Instrument :
MSVOA_U
ClientSampleId :
CWJX9

Tgt Ion: 63 Resp: 10638

Ion	Ratio	Lower	Upper
63	100		
112	0.0	3.6	5.4#

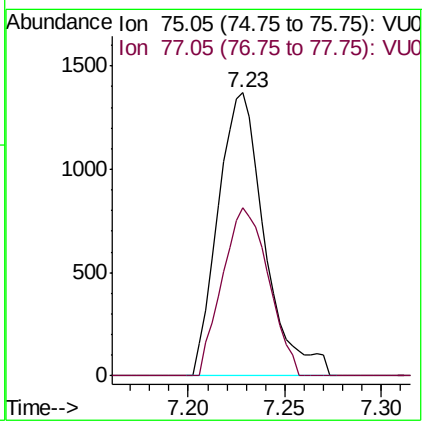


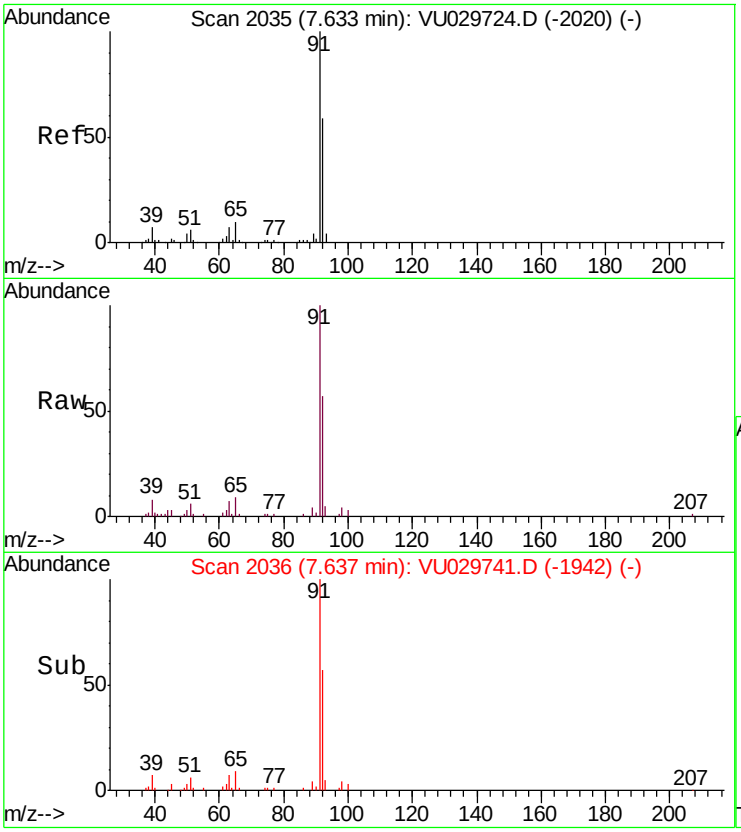


#39
cis-1,3-Dichloropropene
Concen: 0.099 ug/L
RT: 7.23 min Scan# 1909
Delta R.T. -0.04 min
Lab File: VU029741.D
Acq: 28 Feb 2019 16:28

Tgt Ion: 75 Resp: 2293

Ion	Ratio	Lower	Upper
75	100		
77	59.6	22.3	41.5#



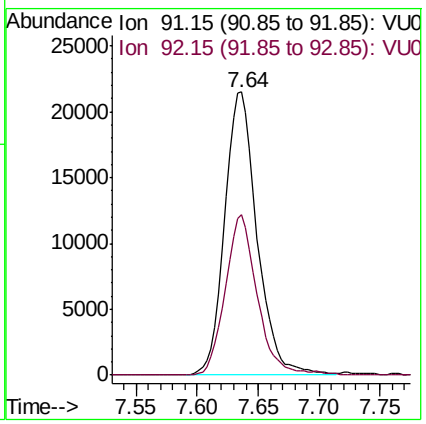


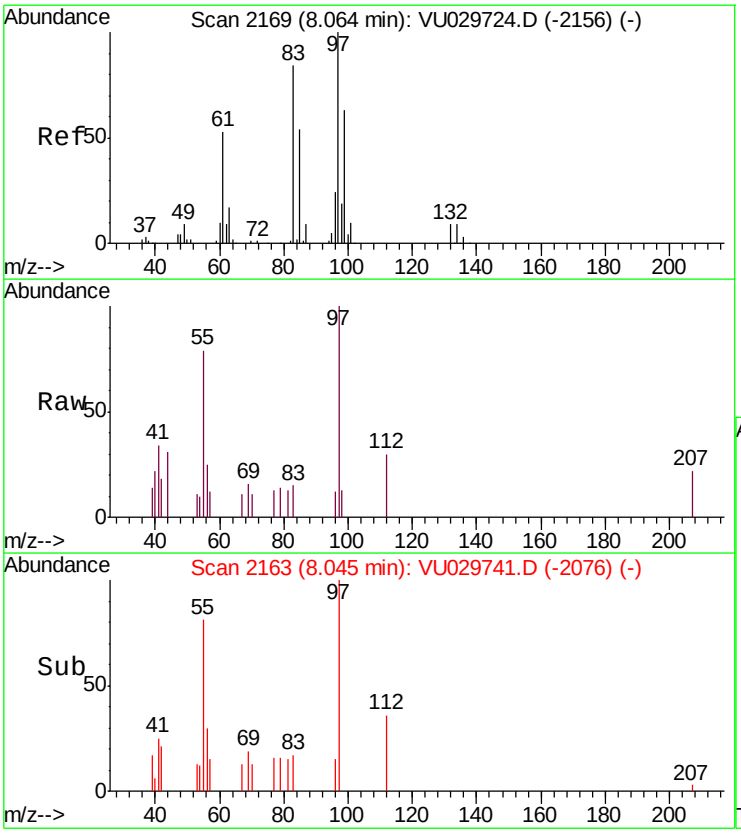
#42
Toluene
Concen: 0.560 ug/L
RT: 7.64 min Scan# 2036
Delta R.T. 0.00 min
Lab File: VU029741.D
Acq: 28 Feb 2019 16:28

Instrument :
MSVOA_U
ClientSampleId :
CWJX9

Tgt Ion: 91 Resp: 39915

Ion	Ratio	Lower	Upper
91	100		
92	56.6	40.1	74.5

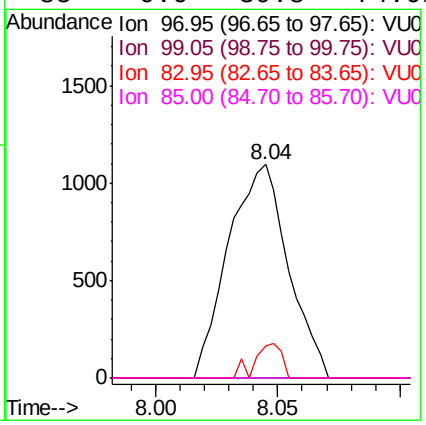


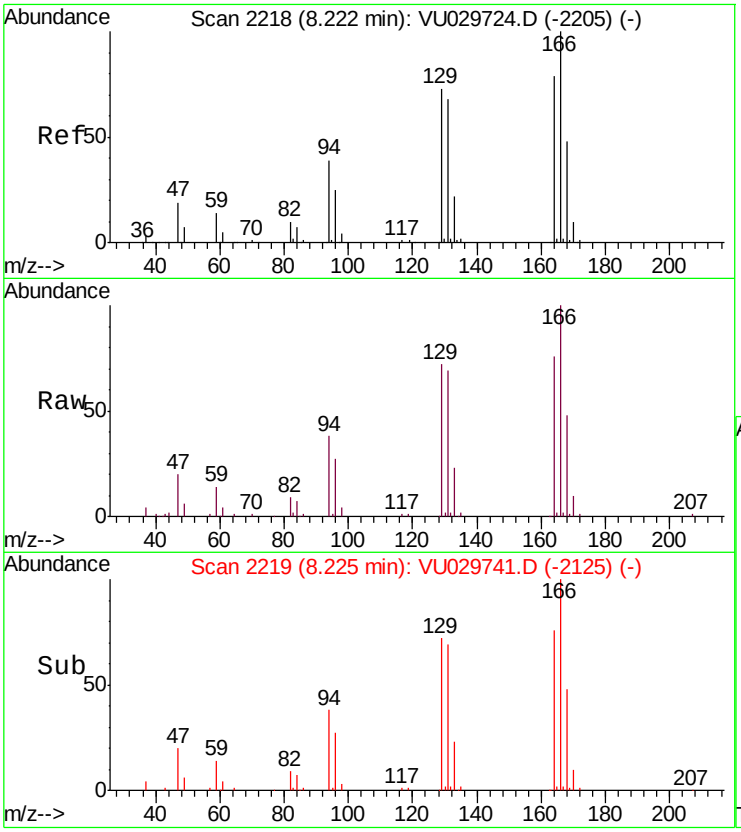


#45
1,1,2-Trichloroethane
Concen: 0.151 ug/L
RT: 8.04 min Scan# 2163
Delta R.T. -0.02 min
Lab File: VU029741.D
Acq: 28 Feb 2019 16:28

Tgt Ion: 97 Resp: 1866

Ion	Ratio	Lower	Upper
97	100		
99	0.0	45.3	84.1#
83	14.8	59.6	110.6#
85	0.0	39.8	74.0#



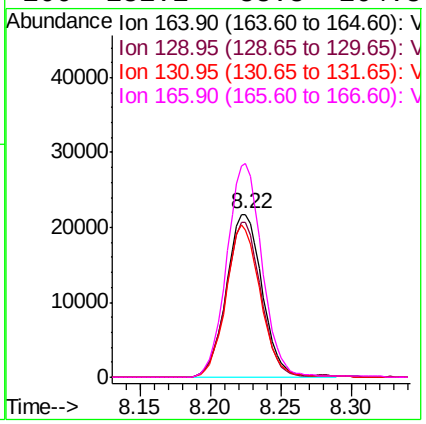


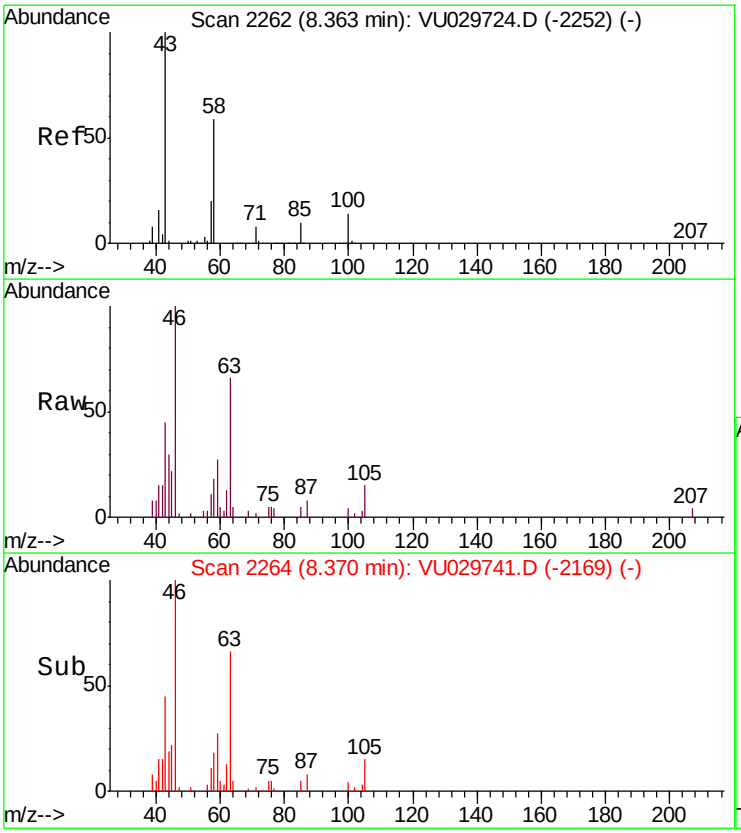
#47
Tetrachloroethene
Concen: 2.374 ug/L
RT: 8.22 min Scan# 2219
Delta R.T. 0.00 min
Lab File: VU029741.D
Acq: 28 Feb 2019 16:28

Instrument : MSVOA_U
ClientSampleId : CWJX9

Tgt Ion:164 Resp: 38674

Ion	Ratio	Lower	Upper
164	100		
129	95.0	62.9	116.7
131	90.3	61.8	114.8
166	131.1	88.8	164.8

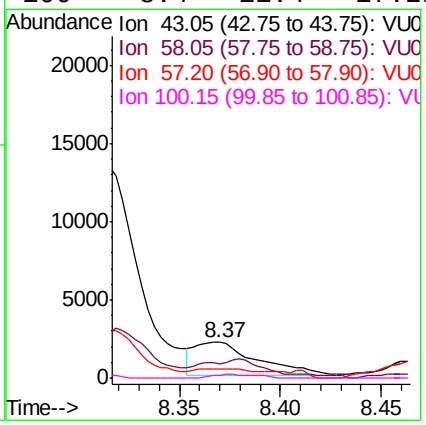


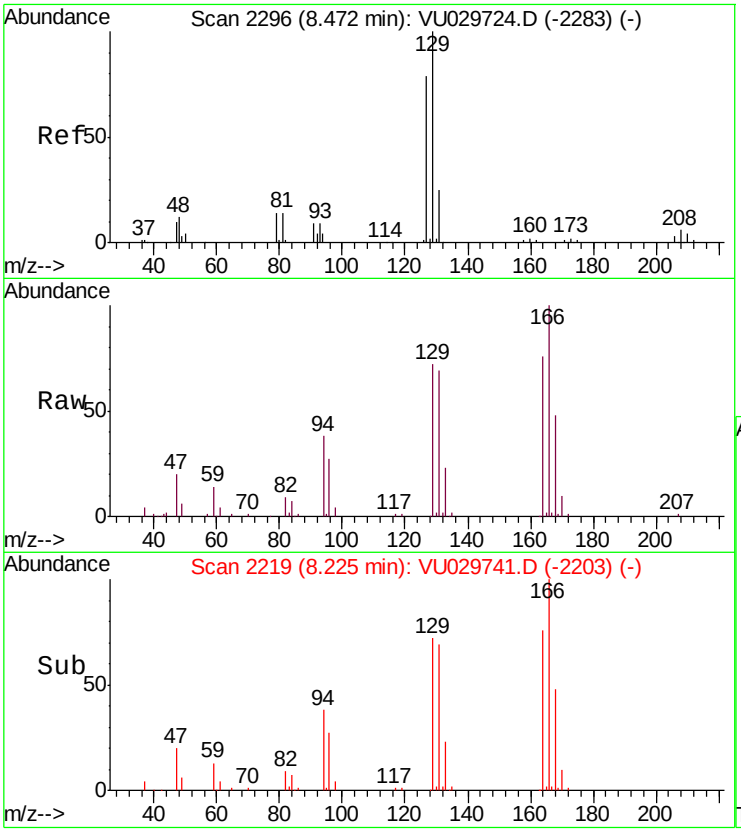


#48
2-Hexanone
Concen: 0.693 ug/L
RT: 8.37 min Scan# 2264
Delta R.T. 0.01 min
Lab File: VU029741.D
Acq: 28 Feb 2019 16:28

Tgt Ion: 43 Resp: 4506

Ion	Ratio	Lower	Upper
43	100		
58	41.5	46.6	69.8#
57	7.2	15.9	23.9#
100	8.4	11.4	17.2#



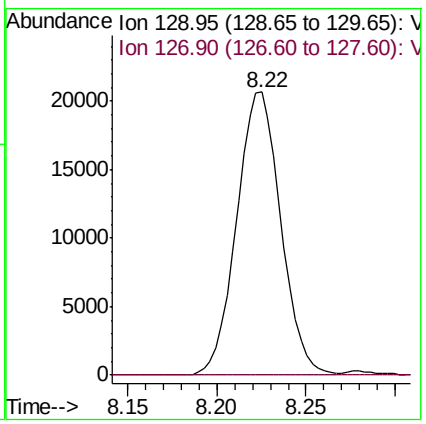


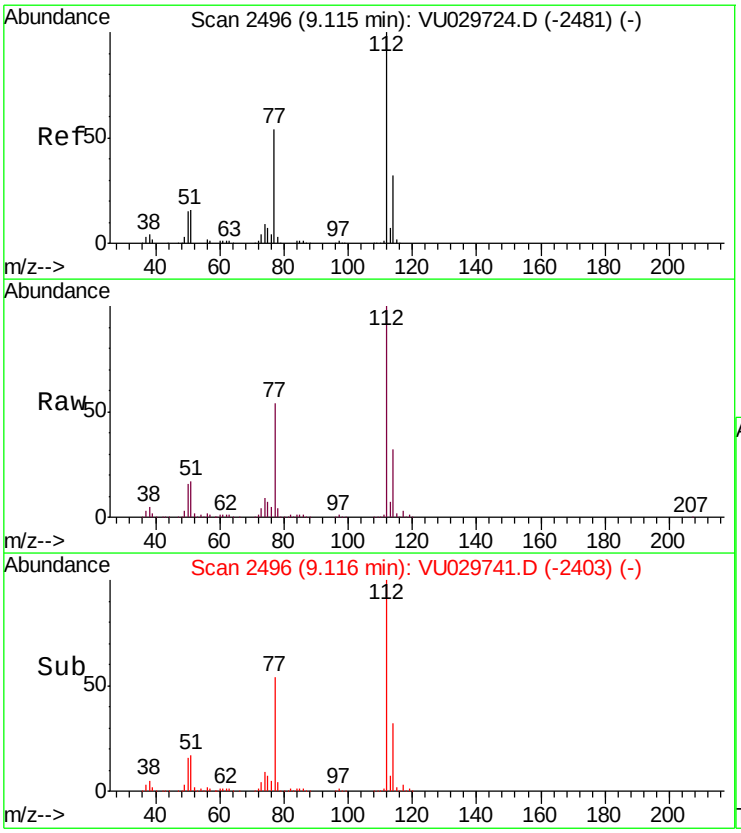
#49
Dibromochloromethane
Concen: 2.369 ug/L
RT: 8.22 min Scan# 2219
Delta R.T. -0.25 min
Lab File: VU029741.D
Acq: 28 Feb 2019 16:28

Instrument : MSVOA_U
ClientSampleId : CWJX9

Tgt Ion:129 Resp: 35564

Ion	Ratio	Lower	Upper
129	100		
127	0.0	52.5	97.5#

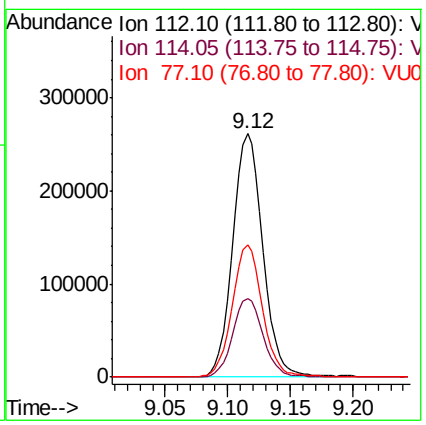


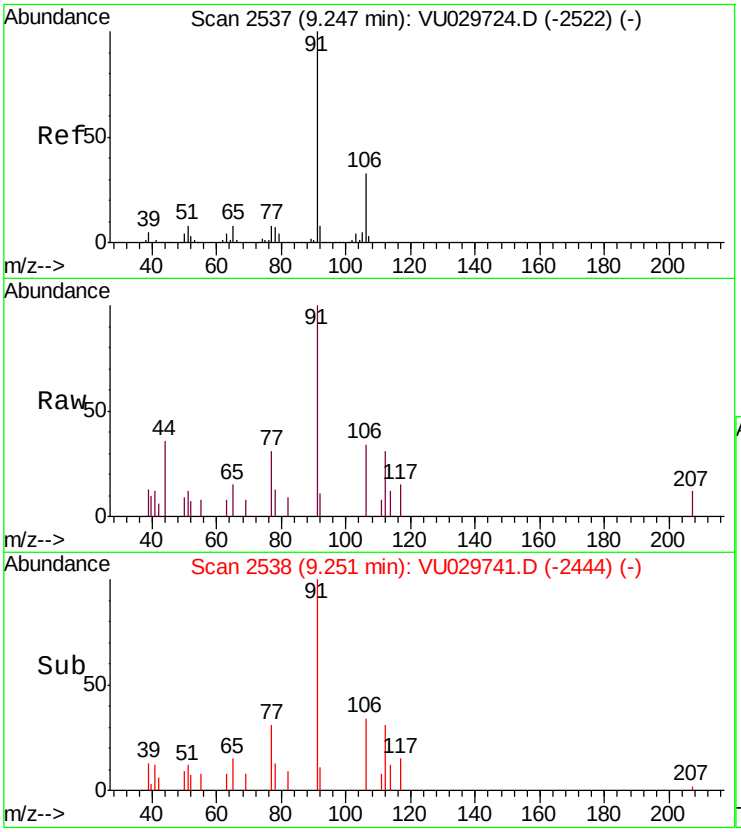


#51
Chlorobenzene
Concen: 8.920 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. 0.00 min
Lab File: VU029741.D
Acq: 28 Feb 2019 16:28

Tgt Ion:112 Resp: 436719

Ion	Ratio	Lower	Upper
112	100		
114	32.5	22.3	41.3
77	54.4	42.7	64.1



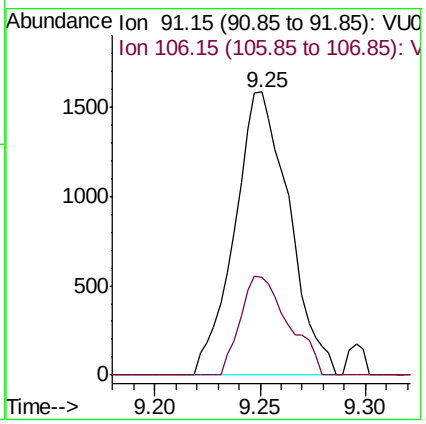


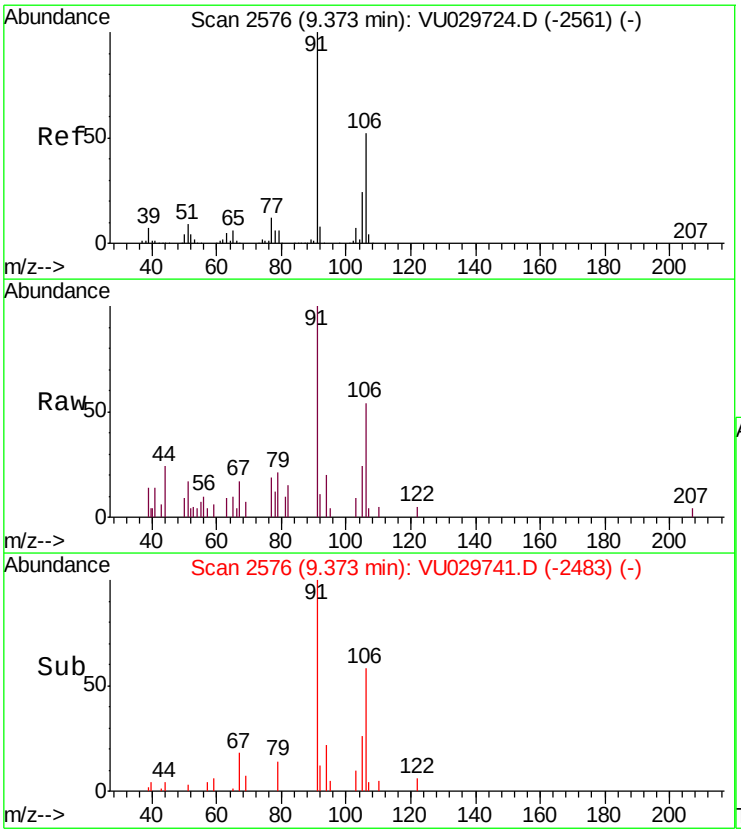
#52
Ethylbenzene
Concen: 0.036 ug/L
RT: 9.25 min Scan# 2538
Delta R.T. 0.00 min
Lab File: VU029741.D
Acq: 28 Feb 2019 16:28

Instrument :
MSVOA_U
ClientSampleId :
CWJX9

Tgt Ion: 91 Resp: 2849

Ion	Ratio	Lower	Upper
91	100		
106	34.5	22.1	41.1

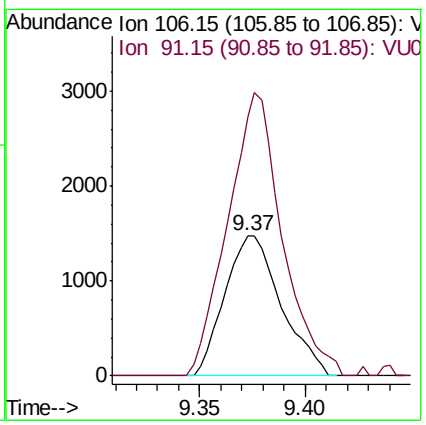


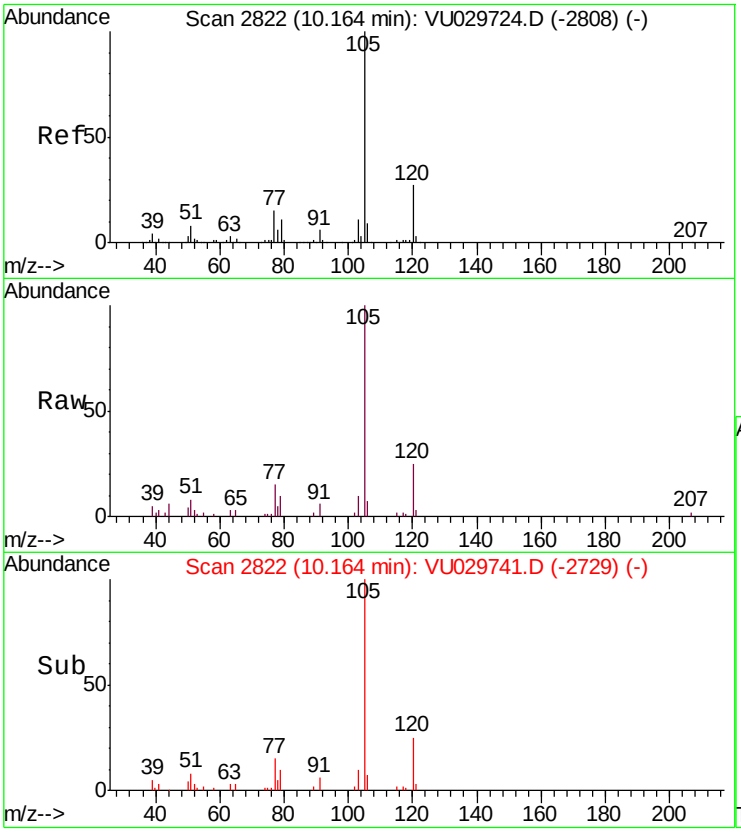


#53
m,p-xylene
Concen: 0.086 ug/L
RT: 9.37 min Scan# 2576
Delta R.T. 0.00 min
Lab File: VU029741.D
Acq: 28 Feb 2019 16:28

Tgt Ion:106 Resp: 2736

Ion	Ratio	Lower	Upper
106	100		
91	184.3	136.0	252.6



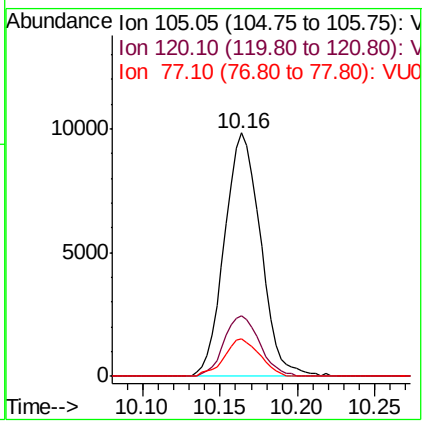


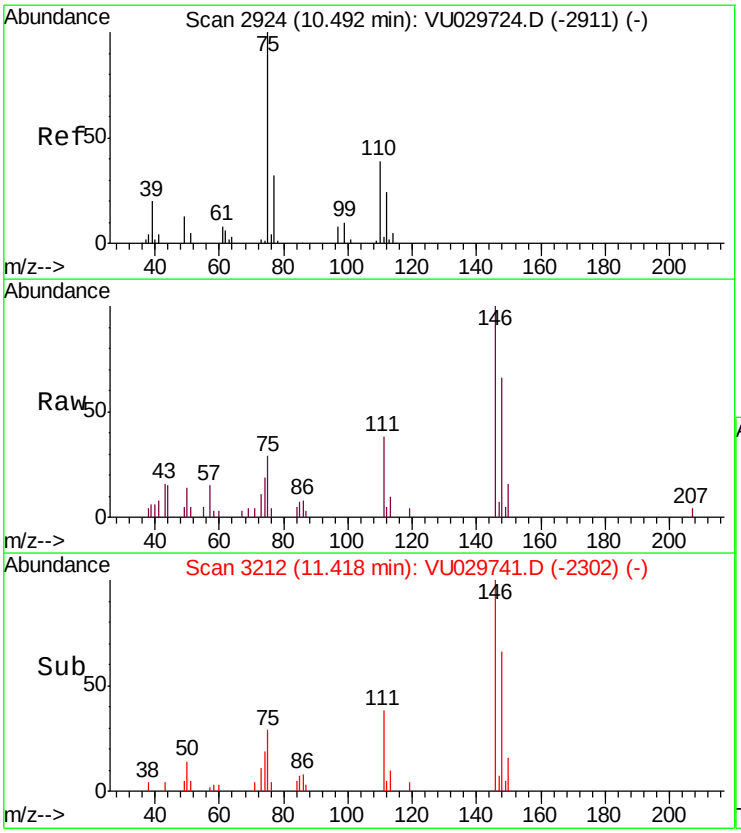
#56
Isopropylbenzene
Concen: 0.193 ug/L
RT: 10.16 min Scan# 2822
Delta R.T. 0.00 min
Lab File: VU029741.D
Acq: 28 Feb 2019 16:28

Instrument :
MSVOA_U
ClientSampleId :
CWJX9

Tgt Ion:105 Resp: 15960

Ion	Ratio	Lower	Upper
105	100		
120	24.5	21.8	32.6
77	15.1	11.5	17.3

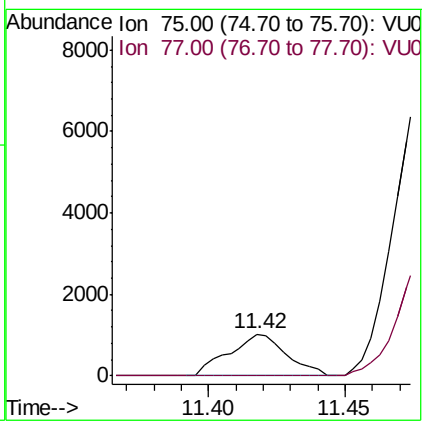


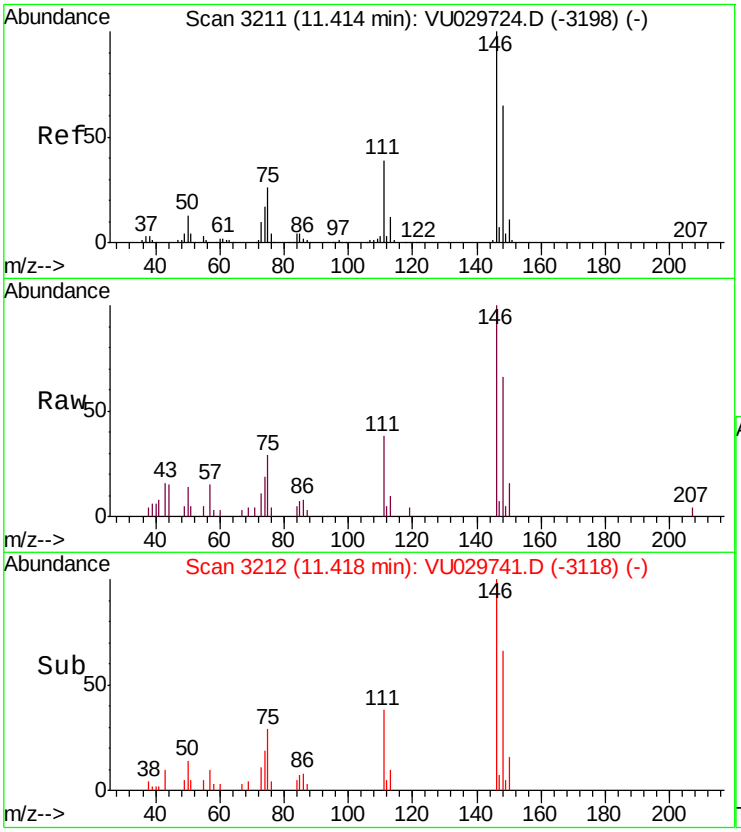


#59
1,2,3-Trichloropropane
Concen: 0.142 ug/L
RT: 11.42 min Scan# 3212
Delta R.T. 0.93 min
Lab File: VU029741.D
Acq: 28 Feb 2019 16:28

Tgt Ion: 75 Resp: 1496

Ion	Ratio	Lower	Upper
75	100		
77	0.0	25.6	38.4#



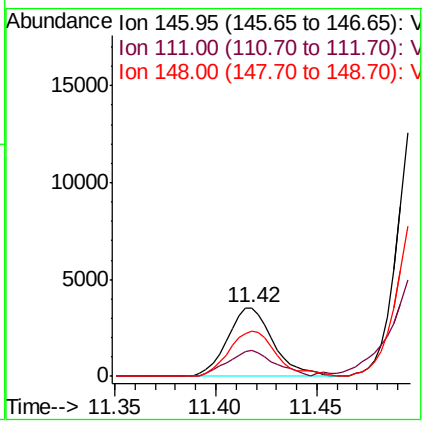


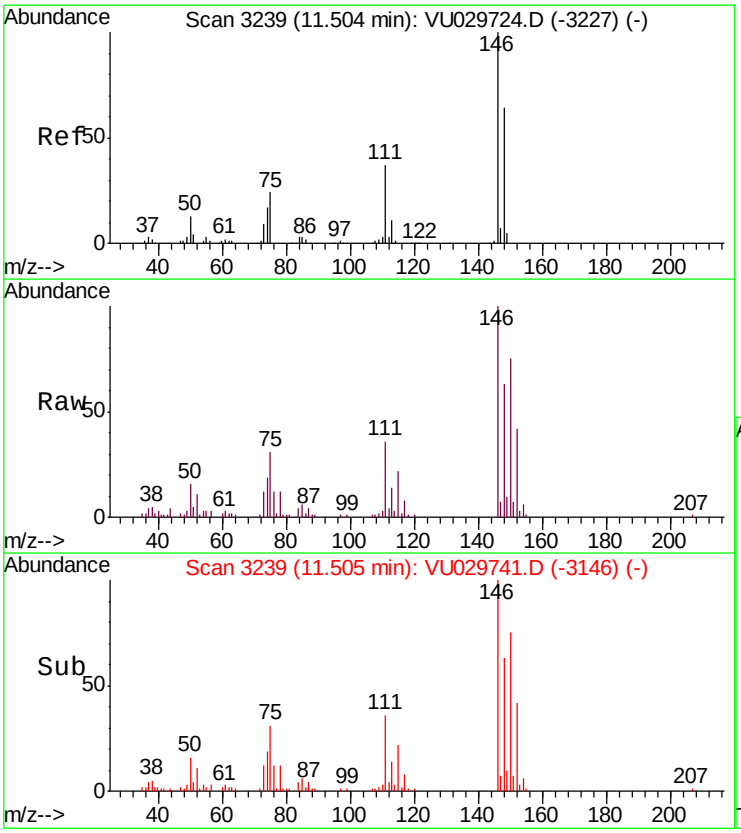
#62
1,3-Dichlorobenzene
Concen: 0.141 ug/L
RT: 11.42 min Scan# 3212
Delta R.T. 0.00 min
Lab File: VU029741.D
Acq: 28 Feb 2019 16:28

Instrument :
MSVOA_U
ClientSampleId :
CWJX9

Tgt Ion:146 Resp: 5567

Ion	Ratio	Lower	Upper
146	100		
111	37.6	25.7	47.7
148	65.9	44.0	81.8

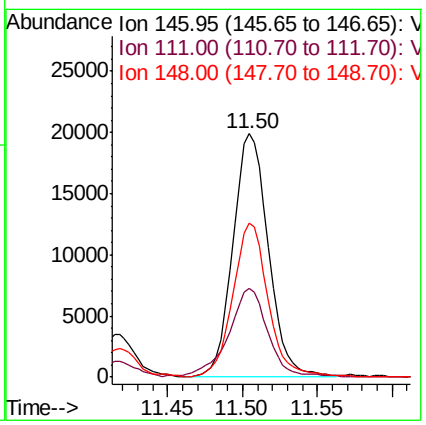


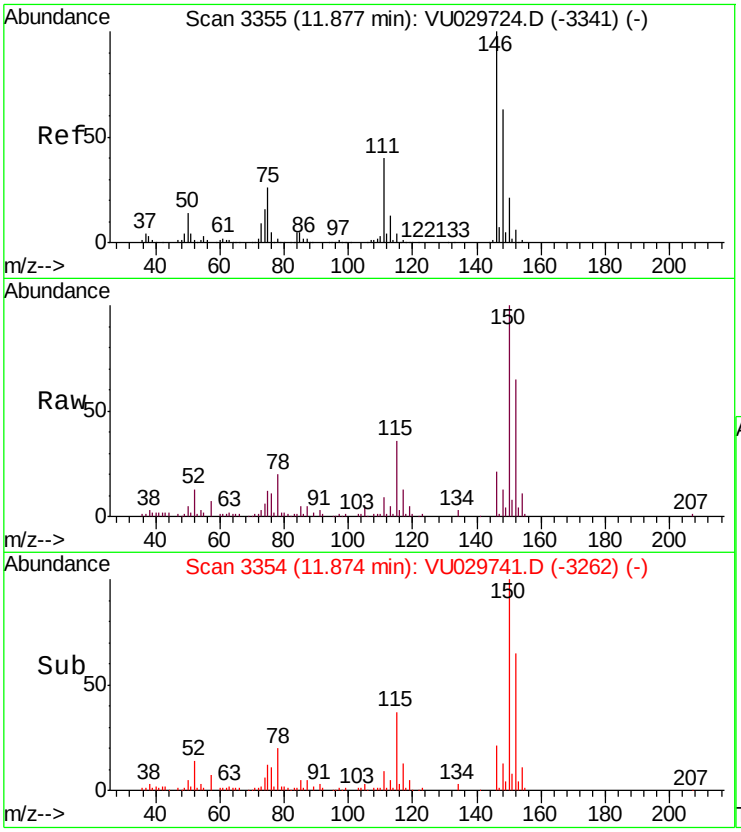


#63
1,4-Dichlorobenzene
Concen: 0.820 ug/L
RT: 11.50 min Scan# 3239
Delta R.T. 0.00 min
Lab File: VU029741.D
Acq: 28 Feb 2019 16:28

Tgt Ion:146 Resp: 32896

Ion	Ratio	Lower	Upper
146	100		
111	36.4	25.4	47.2
148	63.5	43.7	81.1





#65
1,2-Dichlorobenzene
Concen: 0.331 ug/L
RT: 11.87 min Scan# 3354
Delta R.T. -0.00 min
Lab File: VU029741.D
Acq: 28 Feb 2019 16:28

Instrument :
MSVOA_U
ClientSampleId :
CWJX9

Tgt Ion:146 Resp: 12655

Ion	Ratio	Lower	Upper
146	100		
111	41.5	32.2	48.2
148	59.7	52.2	78.4