Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102319\

Quantitation Report (Not Reviewed)

Data File : VU035420.D
Acq On : 23 Oct 2019 20:29
Operator : JC/SP
Sample : K5488-01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0G32

Quant Time: Oct 24 05:25:06 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Oct 24 05:20:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	215333	5.00	ug/L		0.00
28) Chlorobenzene-d5	9.45	117	224770	5.00	ug/L		0.00
60) 1,4-Dichlorobenzene-d4	11.85	152	70007	5.00	ug/L		0.00
System Monitoring Compounds							
4) Vinyl Chloride-d3	1.62	65	57185	4.35	ug/L		0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 87.00%				
7) Chloroethane-d5	1.93	69	59604	4.97	ug/L		0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 99.40%				
11) 1,1-Dichloroethene-d2	2.59	63	80483	3.32	ug/L		0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 66.40%				
20) 2-Butanone-d5	4.71	46	233918	61.99	ug/L		0.00
Spiked Amount 50.000	Range 40 - 130		Recovery = 123.98%				
24) Chloroform-d	5.11	84	127227	5.30	ug/L		0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 106.00%				
26) 1,2-Dichloroethane-d4	5.75	65	75446	5.67	ug/L		0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 113.40%				
32) Benzene-d6	5.77	84	241116	4.69	ug/L		0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 93.80%				
36) 1,2-Dichloropropane-d6	6.74	67	89068	5.46	ug/L		0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 109.20%				
41) Toluene-d8	7.93	98	196396	3.99	ug/L		0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 79.80%				
43) trans-1,3-Dichloropropene-	8.22	79	29931	3.78	ug/L		0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 75.60%				
46) 2-Hexanone-d5	8.70	63	168189	48.15	ug/L		0.02
Spiked Amount 50.000	Range 45 - 130		Recovery = 96.30%				
57) 1,1,2,2-Tetrachloroethane-	10.79	84	80186	5.51	ug/L		0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 110.20%				
64) 1,2-Dichlorobenzene-d4	12.22	152	65284	5.12	ug/L		0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 102.40%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.40	85	5216	0.285	ug/L		93
5) Vinyl chloride	1.62	62	2620	0.140	ug/L	#	1
12) 1,1-Dichloroethene	2.59	96	976	0.071	ug/L	#	1
17) Methyl tert-butyl Ether	3.43	73	9554	0.257	ug/L	#	95
18) trans-1,2-Dichloroethene	3.39	96	4157	0.278	ug/L		91
22) cis-1,2-Dichloroethene	4.72	96	39101	2.370	ug/L		96
25) Chloroform	5.14	83	12371	0.418	ug/L		96
34) Trichloroethene	6.58	95	15769	0.887	ug/L		93
35) Methylcyclohexane	6.74	83	20505	0.690	ug/L	#	19
37) 1,2-Dichloropropane	6.74	63	9300	0.554	ug/L	#	86
39) cis-1,3-Dichloropropene	7.60	75	2185	0.078	ug/L	#	29
45) 1,1,2-Trichloroethane	8.58	97	1739	0.140	ug/L	#	6
47) Tetrachloroethene	8.58	164	195704	13.212	ug/L		99
49) Dibromochloromethane	8.58	129	176358	11.161	ug/L	#	11
62) 1,3-Dichlorobenzene	11.78	146	1474	0.062	ug/L		96
63) 1,4-Dichlorobenzene	11.87	146	1862	0.079	ug/L		89
65) 1,2-Dichlorobenzene	12.24	146	1848	0.082	ug/L	#	89

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102319\

Quantitation Report (Not Reviewed)

Data File : VU035420.D
Acq On : 23 Oct 2019 20:29
Operator : JC/SP
Sample : K5488-01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0G32

Quant Time: Oct 24 05:25:06 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Oct 24 05:20:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
67) 1,3,5-Trichlorobenzene	13.24	180	1420	0.096 ug/L	92
68) 1,2,4-trichlorobenzene	13.87	180	1831	0.186 ug/L	96
69) Naphthalene	14.11	128	2388	0.177 ug/L	96
70) 1,2,3-Trichlorobenzene	14.36	180	2016	0.219 ug/L	99

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

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102319\

Quantitation Report (Not Reviewed)

Data File : VU035420.D
Acq On : 23 Oct 2019 20:29
Operator : JC/SP
Sample : K5488-01
Misc : 25.0mL/MSVOA_U/WATER
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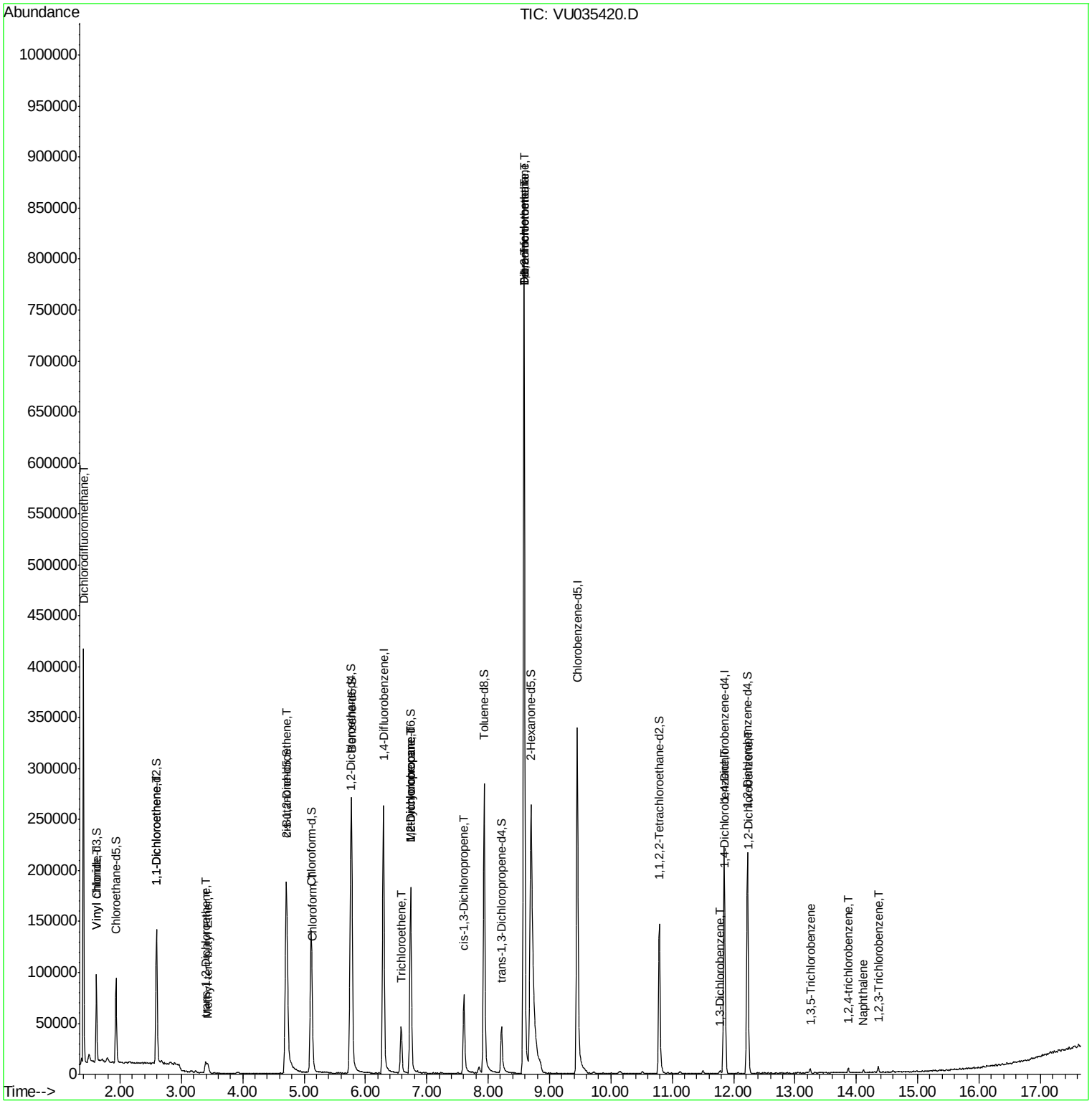
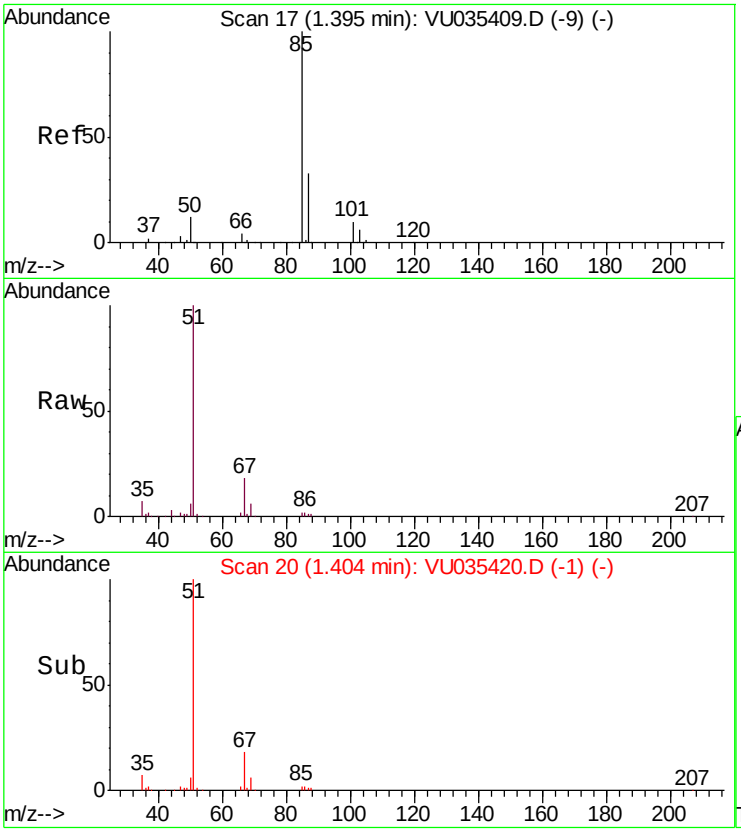
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Oct 24 05:20:56 2019
Response via : Initial Calibration



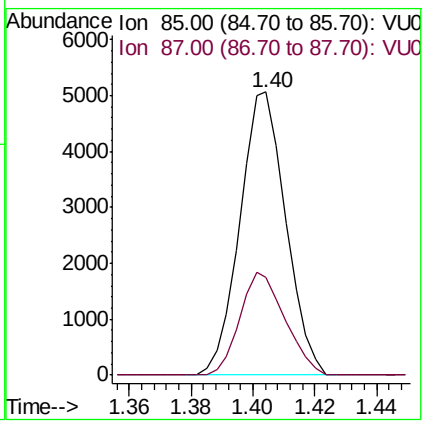


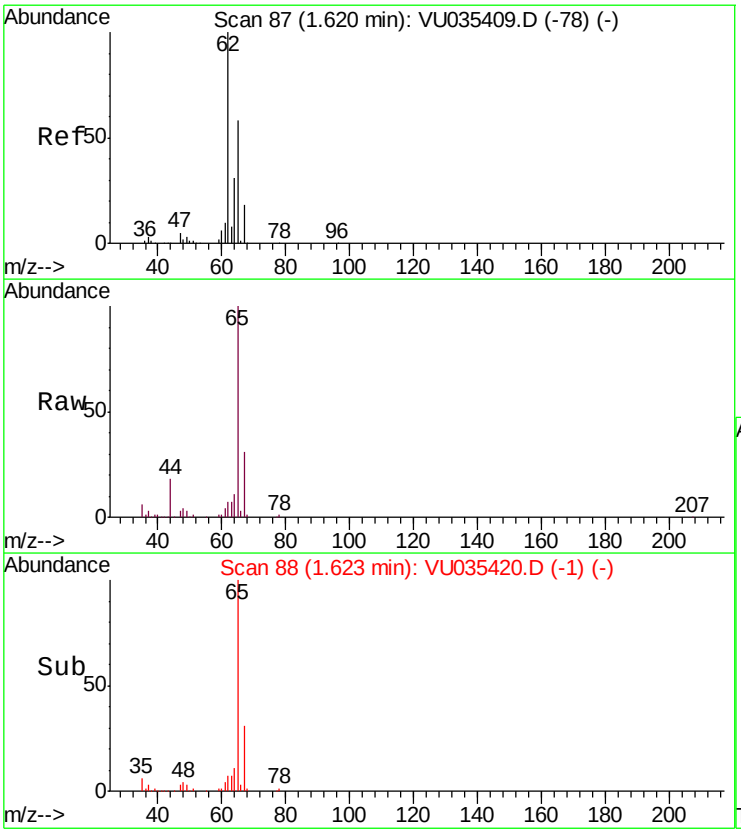
#2
Dichlorodifluoromethane
Concen: 0.285 ug/L
RT: 1.40 min Scan# 20
Delta R.T. 0.01 min
Lab File: VU035420.D
Acq: 23 Oct 2019 20:29

Instrument : MSVOA_U
ClientSampleId : H0G32

Tgt Ion: 85 Resp: 5216

Ion	Ratio	Lower	Upper
85	100		
87	35.8	25.5	38.3

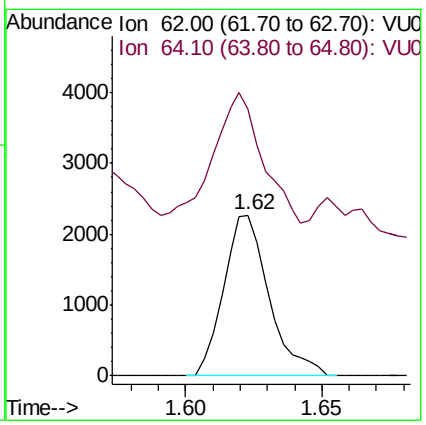


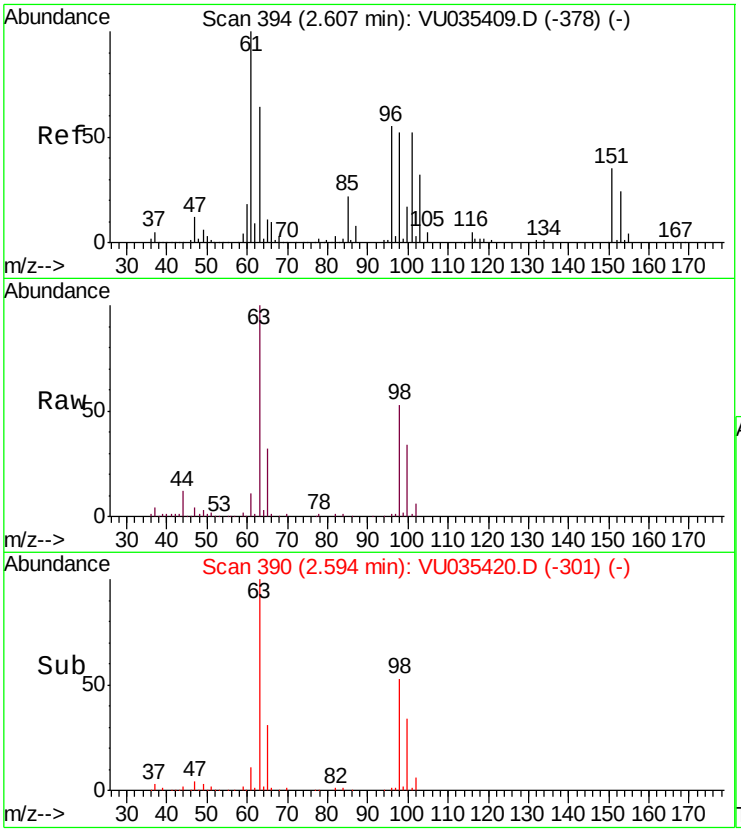


#5
Vinyl chloride
Concen: 0.140 ug/L
RT: 1.62 min Scan# 88
Delta R.T. 0.00 min
Lab File: VU035420.D
Acq: 23 Oct 2019 20:29

Tgt Ion: 62 Resp: 2620

Ion	Ratio	Lower	Upper
62	100		
64	166.1	22.9	42.5#



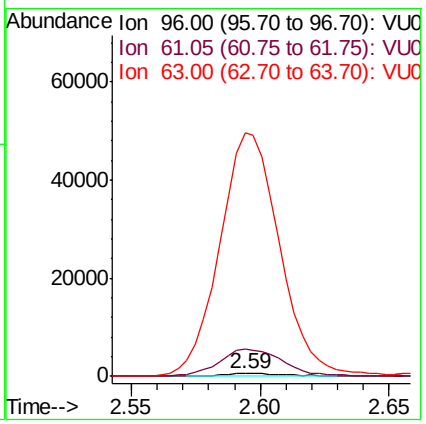


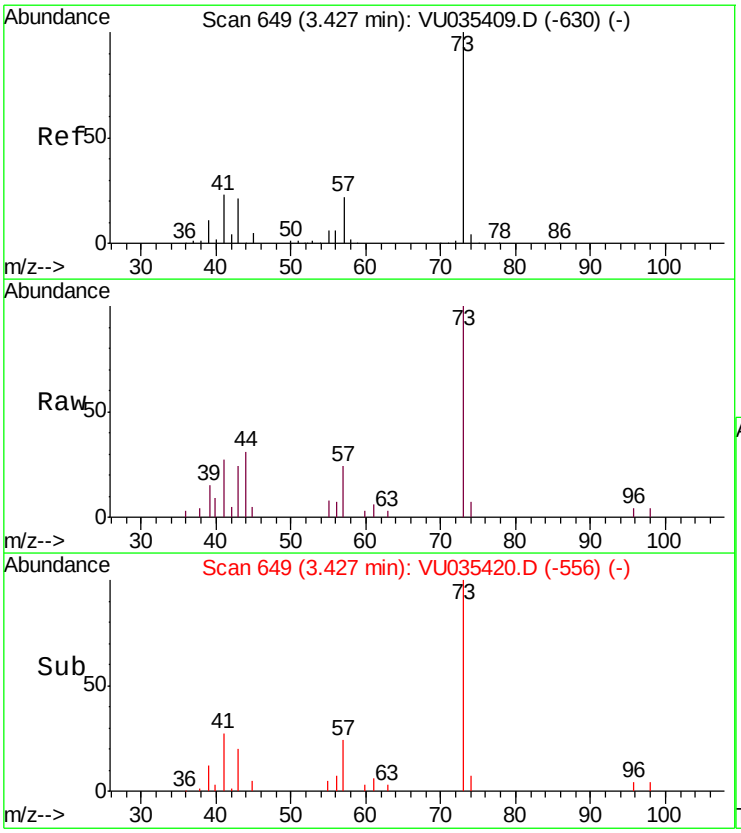
#12
1,1-Dichloroethene
Concen: 0.071 ug/L
RT: 2.59 min Scan# 390
Delta R.T. -0.01 min
Lab File: VU035420.D
Acq: 23 Oct 2019 20:29

Instrument : MSVOA_U
ClientSampleId : H0G32

Tgt Ion: 96 Resp: 976

Ion	Ratio	Lower	Upper
96	100		
61	941.9	120.6	224.0#
63	8480.0	86.8	161.2#

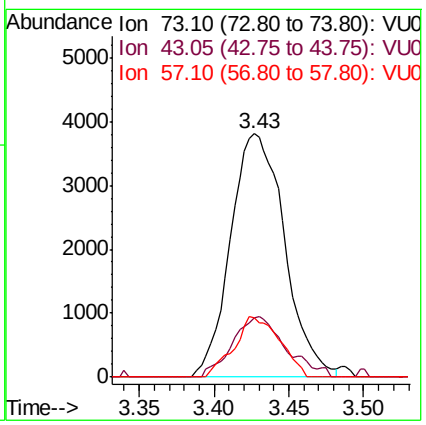


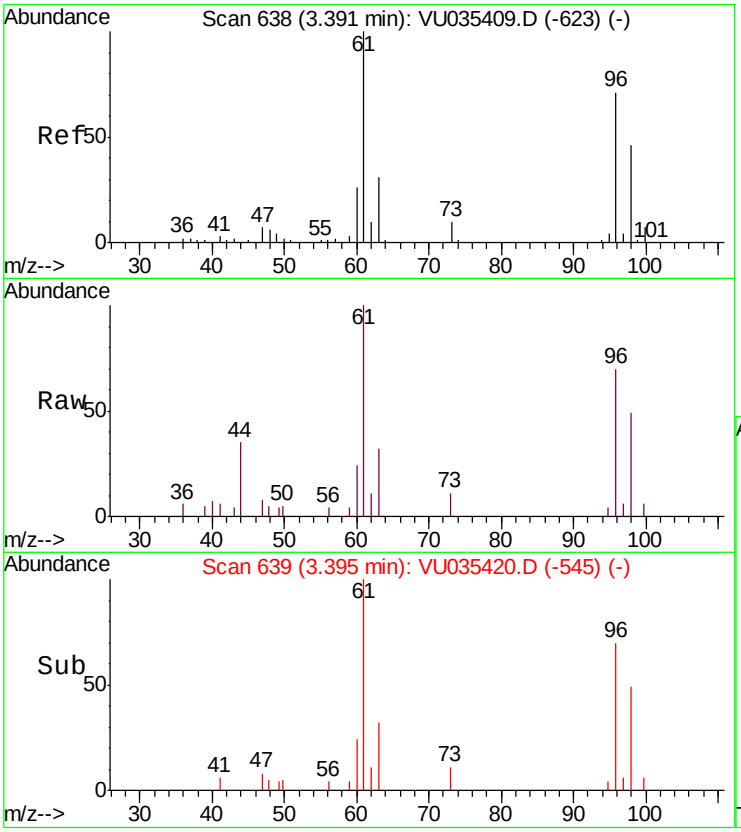


#17
Methyl tert-butyl Ether
Concen: 0.257 ug/L
RT: 3.43 min Scan# 649
Delta R.T. 0.00 min
Lab File: VU035420.D
Acq: 23 Oct 2019 20:29

Tgt Ion: 73 Resp: 9554

Ion	Ratio	Lower	Upper
73	100		
43	24.3	16.0	24.0#
57	21.0	17.4	26.2



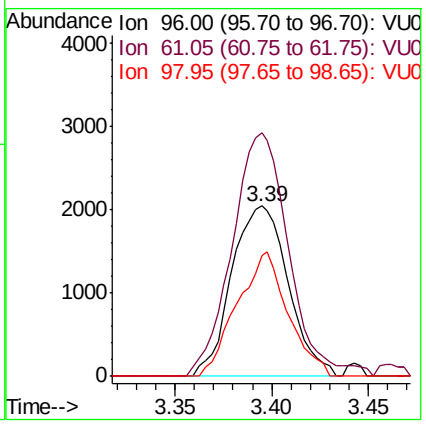


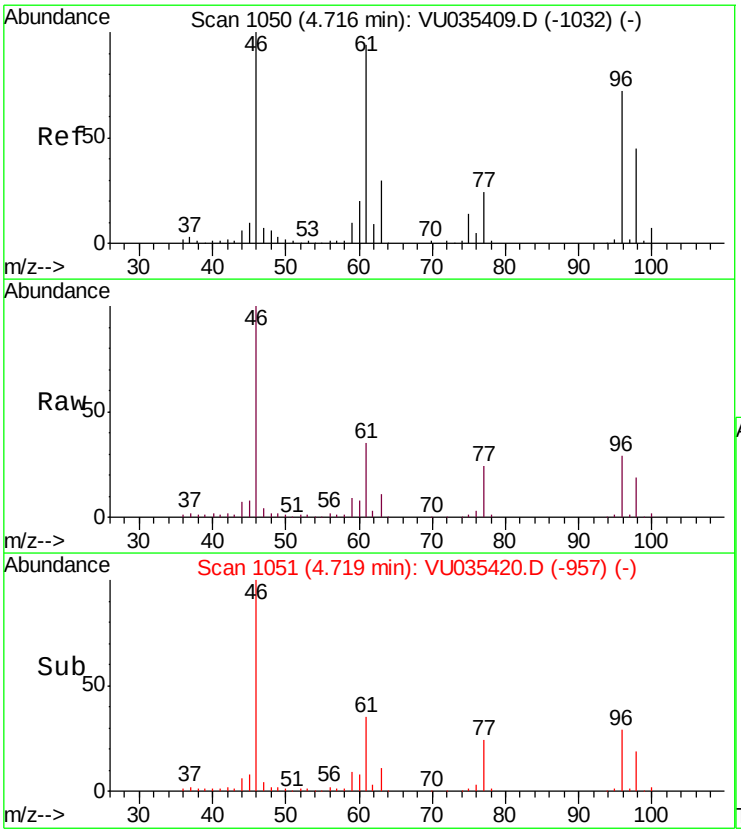
#18
trans-1,2-Dichloroethene
Concen: 0.278 ug/L
RT: 3.39 min Scan# 639
Delta R.T. 0.00 min
Lab File: VU035420.D
Acq: 23 Oct 2019 20:29

Instrument : MSVOA_U
ClientSampleId : H0G32

Tgt Ion: 96 Resp: 4157

Ion	Ratio	Lower	Upper
96	100		
61	142.7	93.0	172.6
98	70.6	43.7	81.1

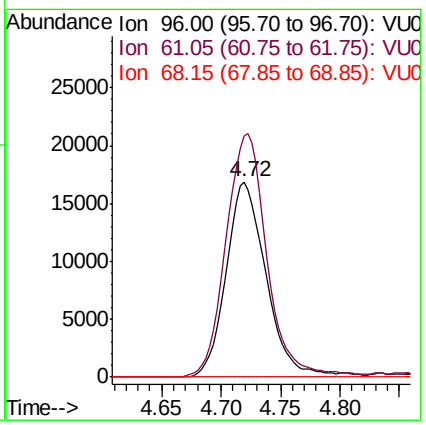


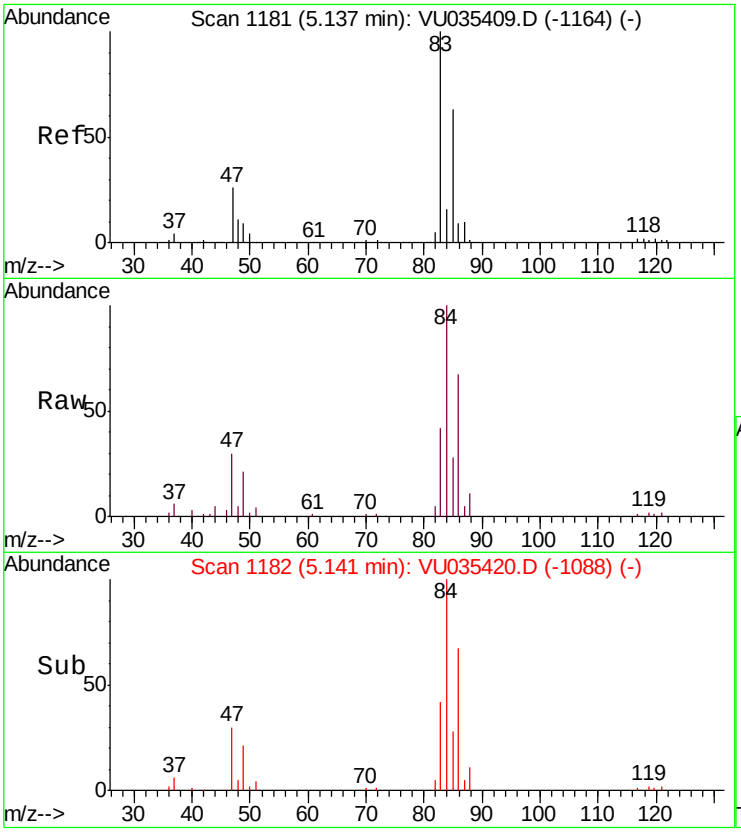


#22
cis-1,2-Dichloroethene
Concen: 2.370 ug/L
RT: 4.72 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VU035420.D
Acq: 23 Oct 2019 20:29

Tgt Ion: 96 Resp: 39101

Ion	Ratio	Lower	Upper
96	100		
61	123.3	89.7	166.5
68	0.0	0.0	0.0



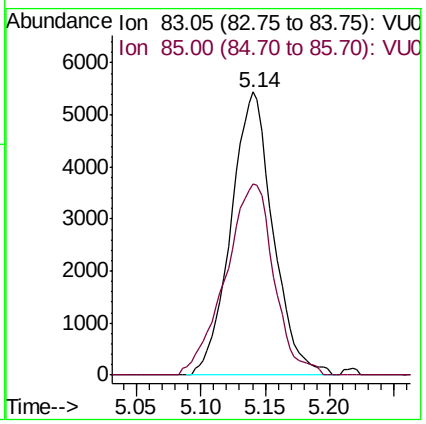


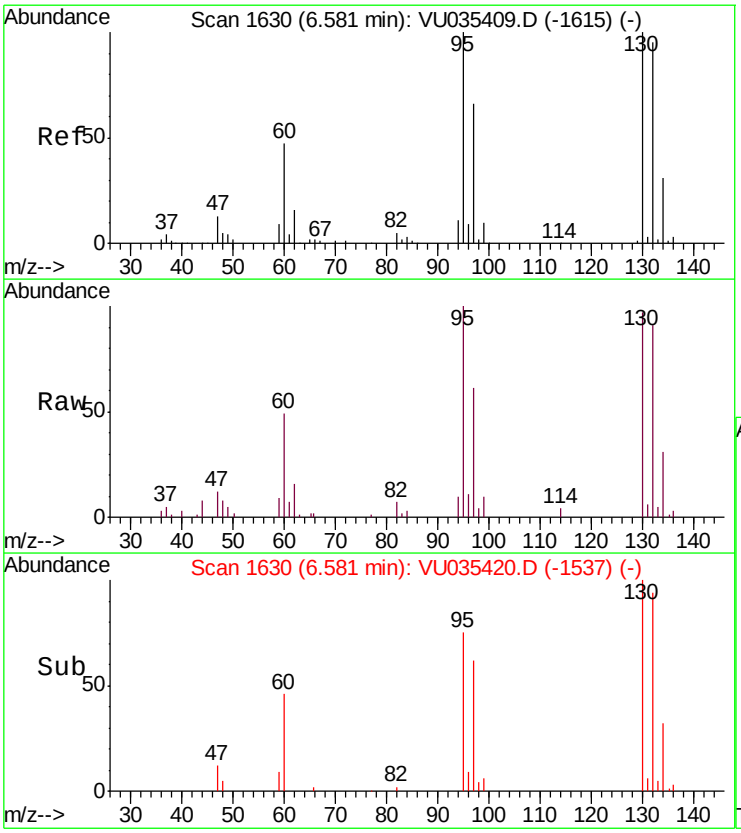
#25
Chloroform
Concen: 0.418 ug/L
RT: 5.14 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VU035420.D
Acq: 23 Oct 2019 20:29

Instrument : MSVOA_U
ClientSampleId : H0G32

Tgt Ion: 83 Resp: 12371

Ion	Ratio	Lower	Upper
83	100		
85	67.4	45.1	83.9

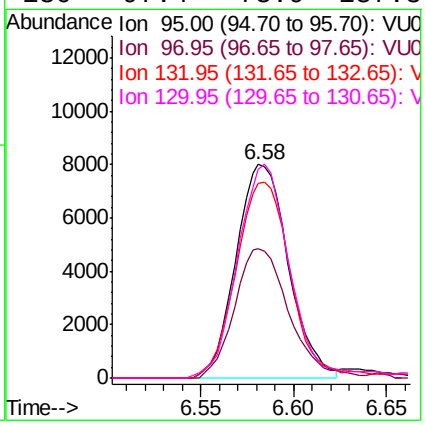


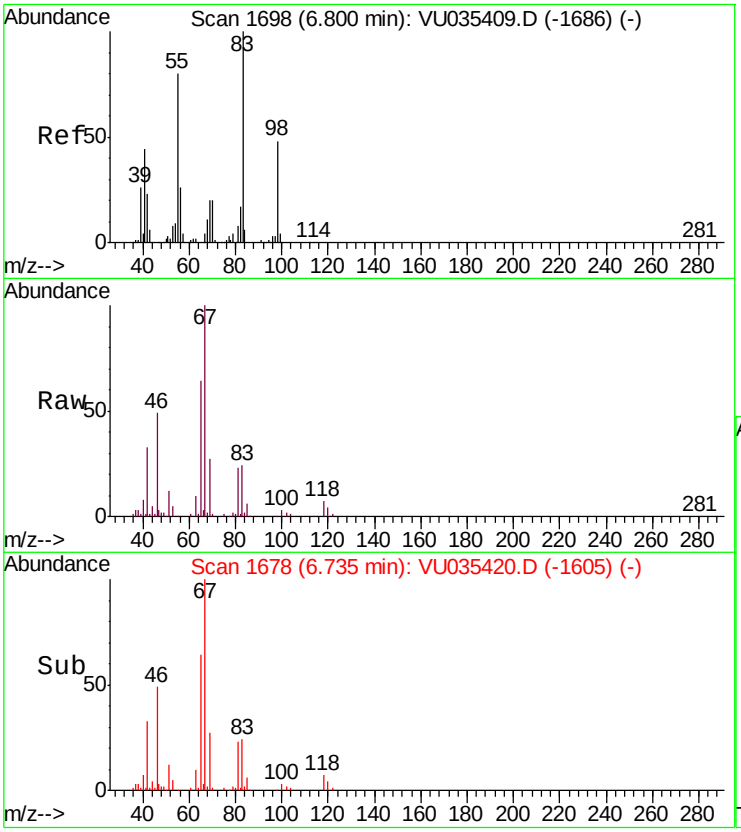


#34
Trichloroethene
Concen: 0.887 ug/L
RT: 6.58 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VU035420.D
Acq: 23 Oct 2019 20:29

Tgt Ion: 95 Resp: 15769

Ion	Ratio	Lower	Upper
95	100		
97	60.8	46.6	86.6
132	91.1	68.7	127.7
130	97.4	73.9	137.3



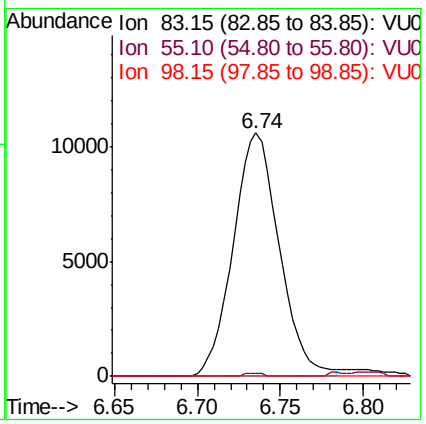


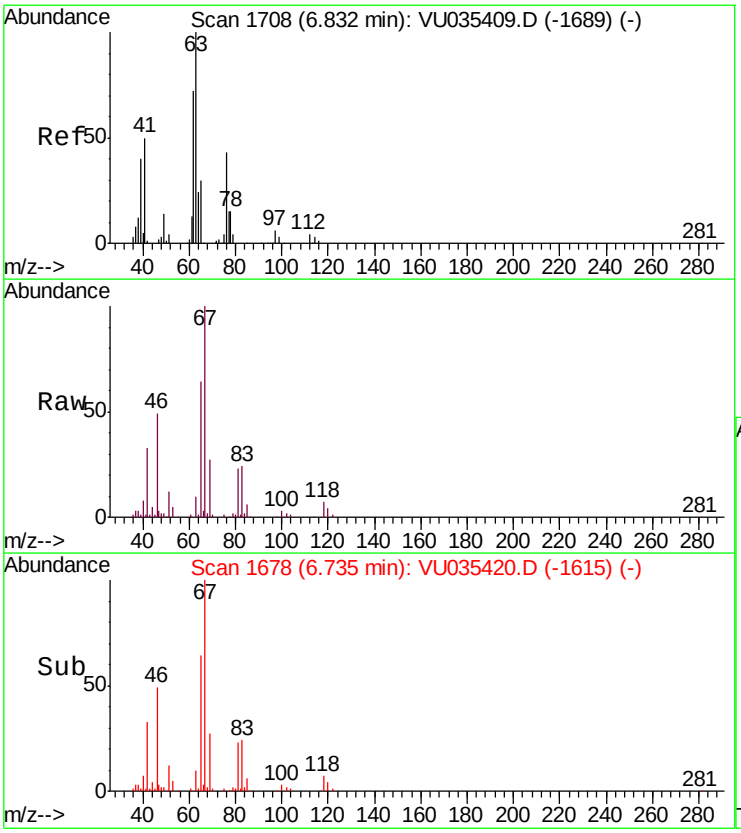
#35
Methylcyclohexane
Concen: 0.690 ug/L
RT: 6.74 min Scan# 1678
Delta R.T. -0.06 min
Lab File: VU035420.D
Acq: 23 Oct 2019 20:29

Instrument : MSVOA_U
ClientSampleId : H0G32

Tgt Ion: 83 Resp: 20505

Ion	Ratio	Lower	Upper
83	100		
55	0.5	60.4	90.6#
98	1.1	39.5	59.3#

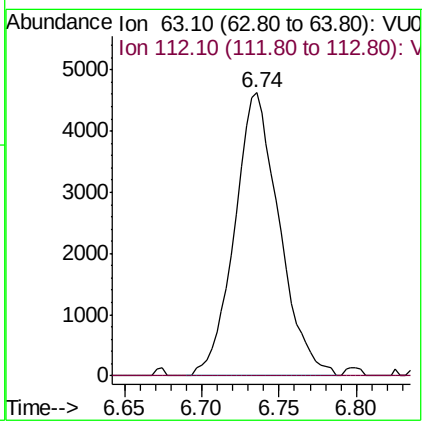


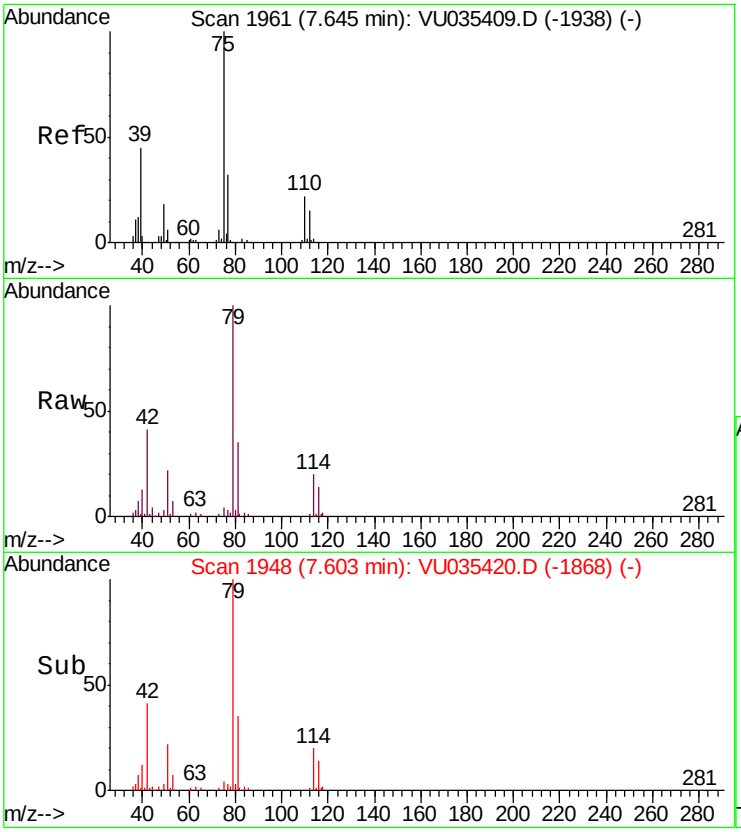


#37
1,2-Dichloropropane
Concen: 0.554 ug/L
RT: 6.74 min Scan# 1678
Delta R.T. -0.10 min
Lab File: VU035420.D
Acq: 23 Oct 2019 20:29

Tgt Ion: 63 Resp: 9300

Ion	Ratio	Lower	Upper
63	100		
112	0.0	3.7	5.5#



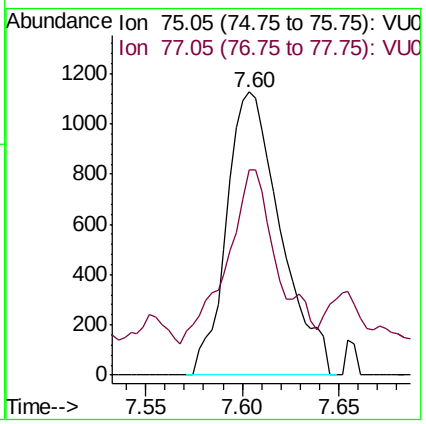


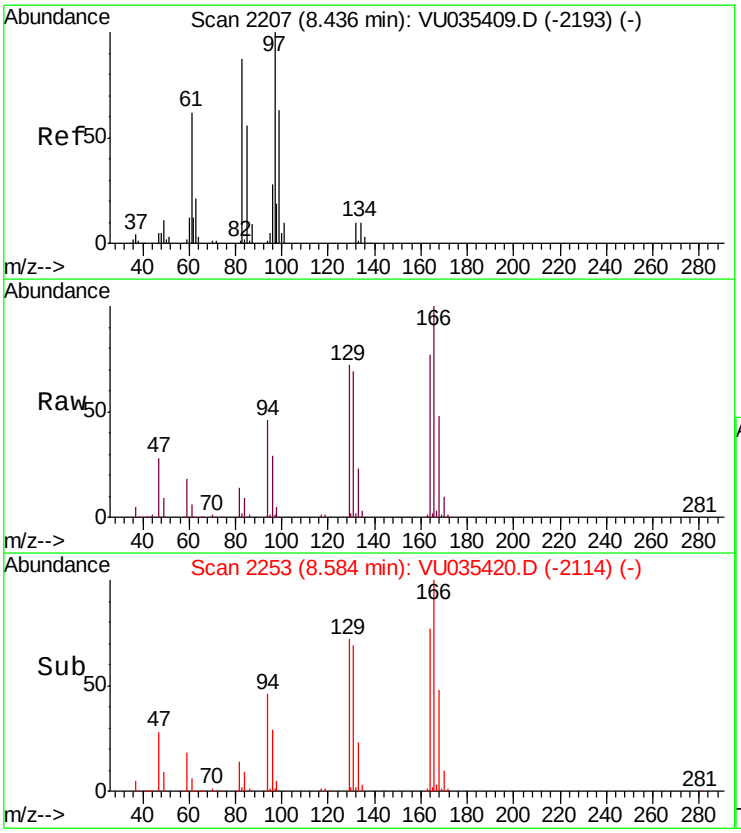
#39
cis-1,3-Dichloropropene
Concen: 0.078 ug/L
RT: 7.60 min Scan# 1948
Delta R.T. -0.04 min
Lab File: VU035420.D
Acq: 23 Oct 2019 20:29

Instrument : MSVOA_U
ClientSampleId : H0G32

Tgt Ion: 75 Resp: 2185

Ion	Ratio	Lower	Upper
75	100		
77	72.3	22.7	42.1#

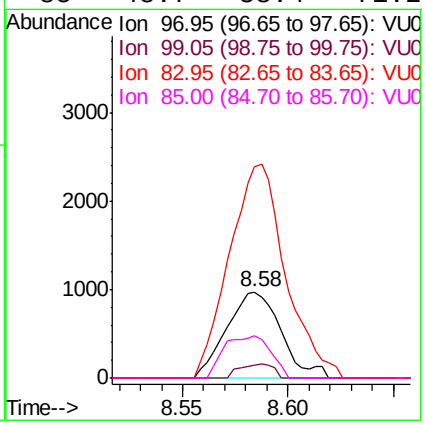


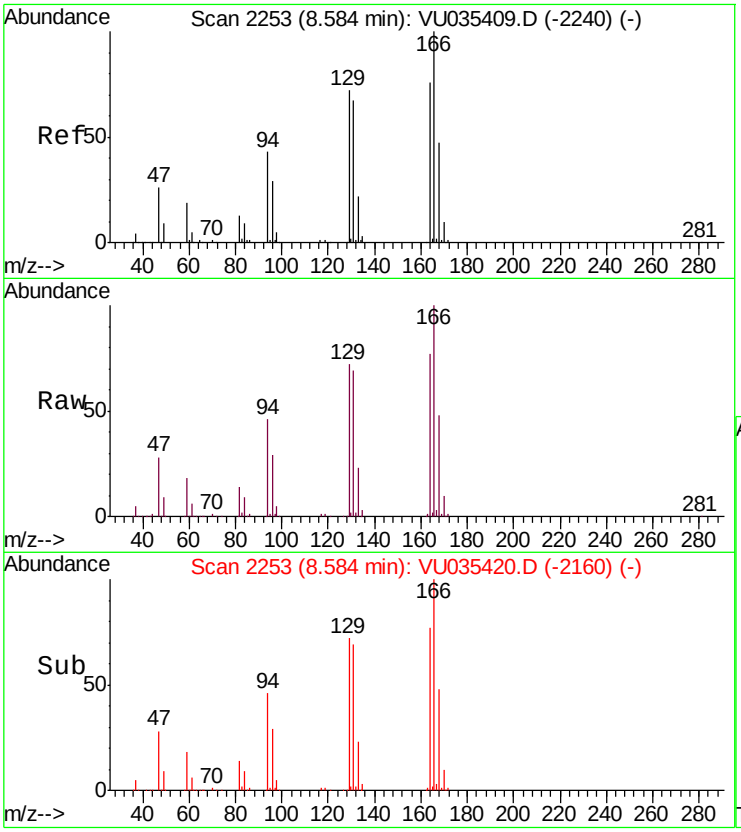


#45
1,1,2-Trichloroethane
Concen: 0.140 ug/L
RT: 8.58 min Scan# 2253
Delta R.T. 0.15 min
Lab File: VU035420.D
Acq: 23 Oct 2019 20:29

Tgt Ion: 97 Resp: 1739

Ion	Ratio	Lower	Upper
97	100		
99	15.6	42.9	79.7#
83	245.9	60.4	112.2#
85	48.7	38.4	71.2



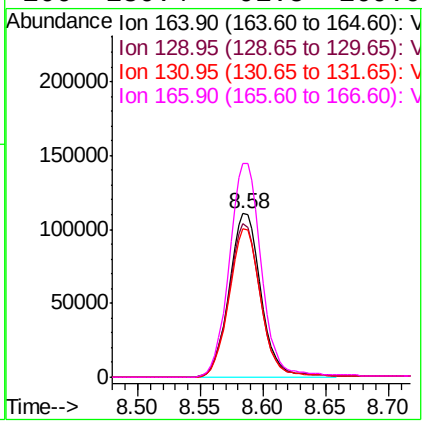


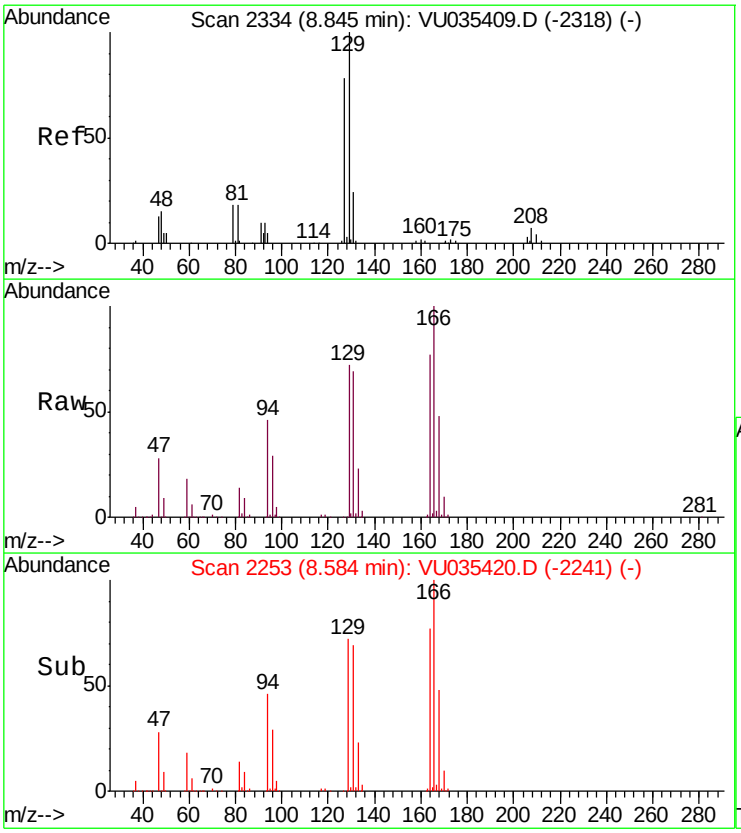
#47
Tetrachloroethene
Concen: 13.212 ug/L
RT: 8.58 min Scan# 2253
Delta R.T. 0.00 min
Lab File: VU035420.D
Acq: 23 Oct 2019 20:29

Instrument :
MSVOA_U
ClientSampleId :
H0G32

Tgt Ion:164 Resp: 195704

Ion	Ratio	Lower	Upper
164	100		
129	93.7	65.2	121.0
131	90.6	62.9	116.9
166	130.4	91.5	169.9

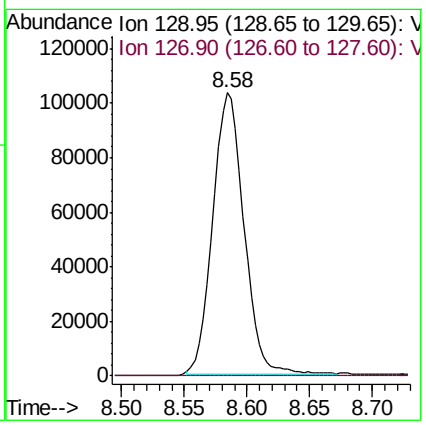


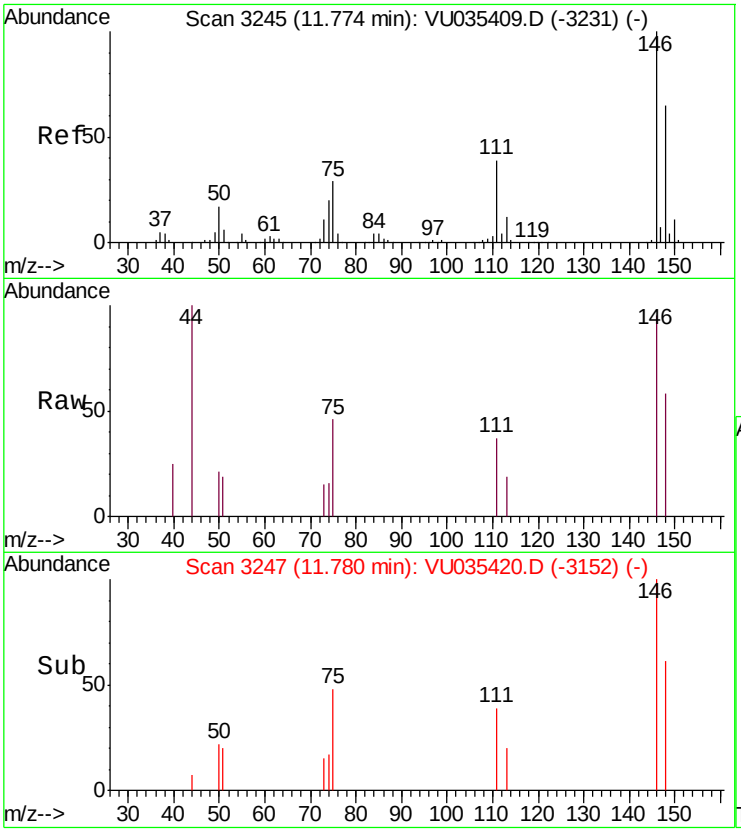


#49
Dibromochloromethane
Concen: 11.161 ug/L
RT: 8.58 min Scan# 2253
Delta R.T. -0.26 min
Lab File: VU035420.D
Acq: 23 Oct 2019 20:29

Tgt Ion:129 Resp: 176358

Ion	Ratio	Lower	Upper
129	100		
127	0.0	53.8	99.8#



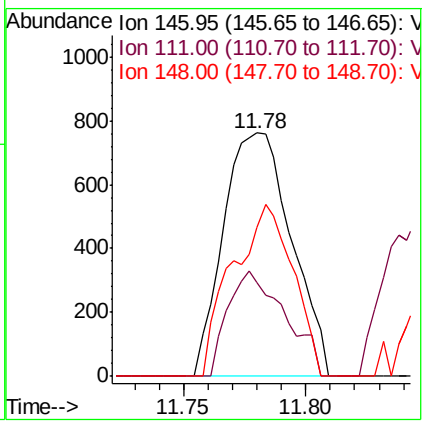


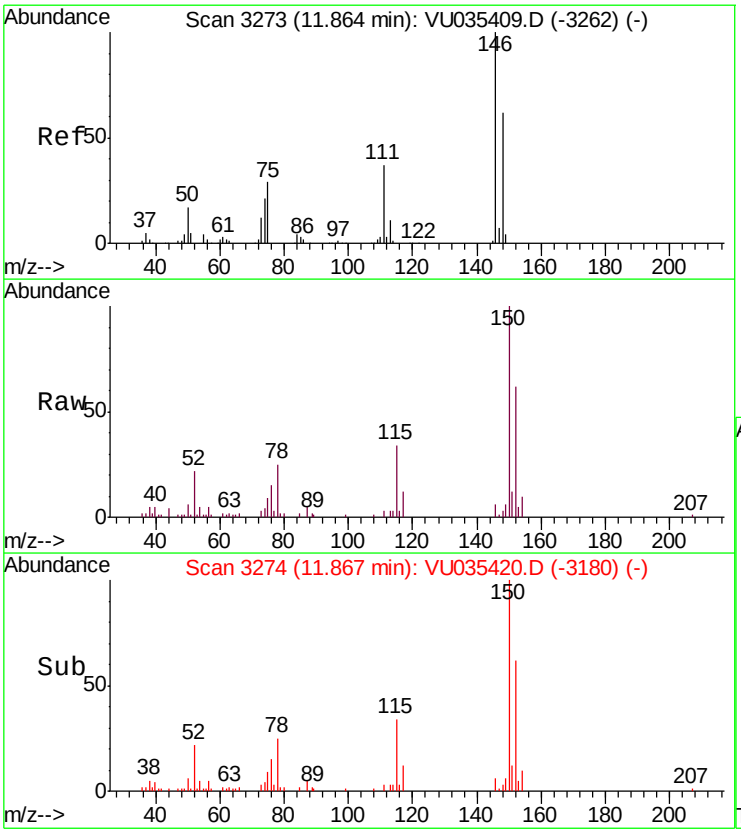
#62
1,3-Dichlorobenzene
Concen: 0.062 ug/L
RT: 11.78 min Scan# 3247
Delta R.T. 0.01 min
Lab File: VU035420.D
Acq: 23 Oct 2019 20:29

Instrument : MSVOA_U
ClientSampleId : H0G32

Tgt Ion:146 Resp: 1474

Ion	Ratio	Lower	Upper
146	100		
111	38.7	27.8	51.6
148	61.4	45.6	84.8

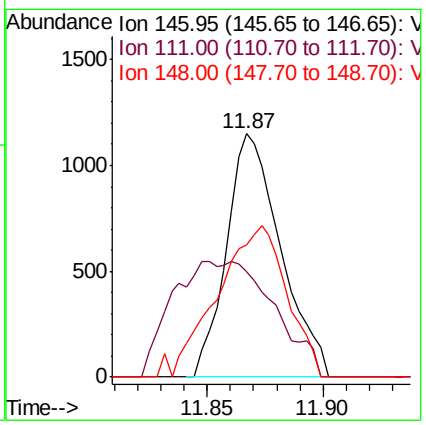


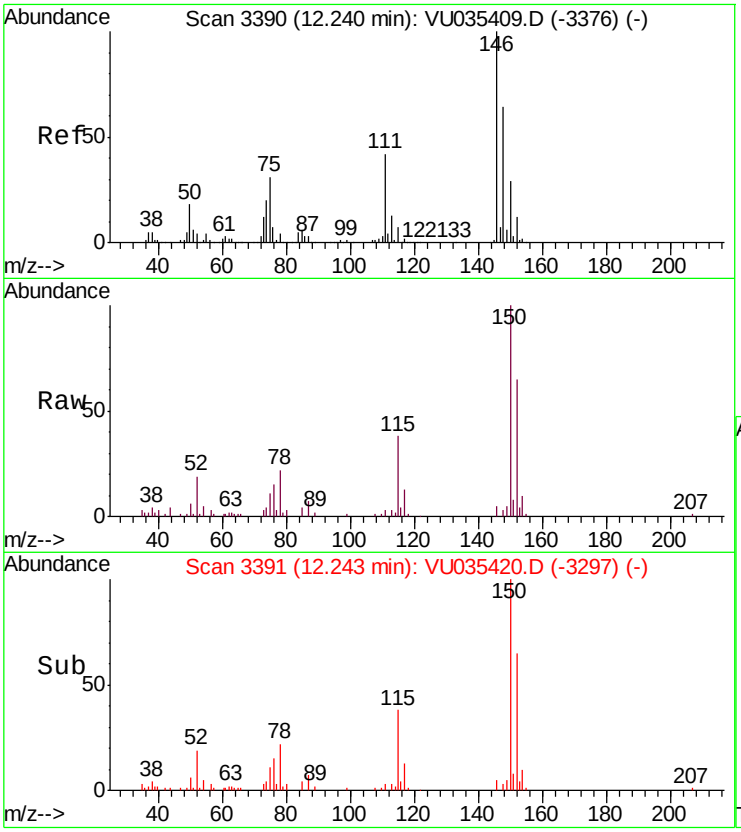


#63
1,4-Dichlorobenzene
Concen: 0.079 ug/L
RT: 11.87 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VU035420.D
Acq: 23 Oct 2019 20:29

Tgt Ion:146 Resp: 1862

Ion	Ratio	Lower	Upper
146	100		
111	43.2	26.4	49.0
148	54.1	44.7	83.1



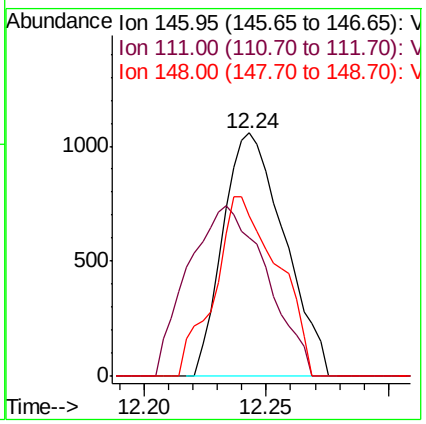


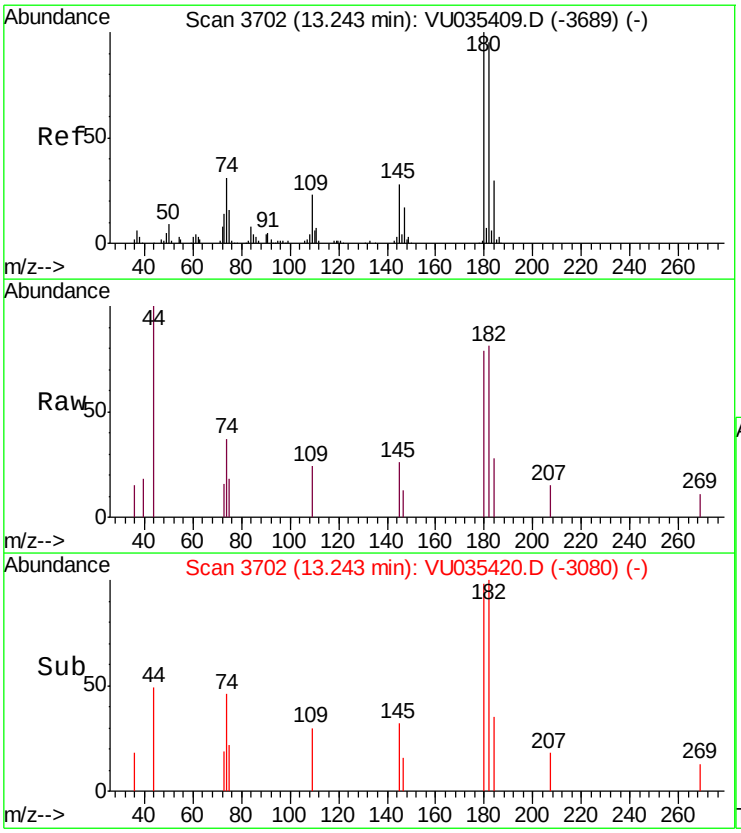
#65
1,2-Dichlorobenzene
Concen: 0.082 ug/L
RT: 12.24 min Scan# 3391
Delta R.T. 0.00 min
Lab File: VU035420.D
Acq: 23 Oct 2019 20:29

Instrument :
MSVOA_U
ClientSampleId :
H0G32

Tgt Ion:146 Resp: 1848

Ion	Ratio	Lower	Upper
146	100		
111	56.7	33.0	49.6#
148	65.7	51.0	76.4

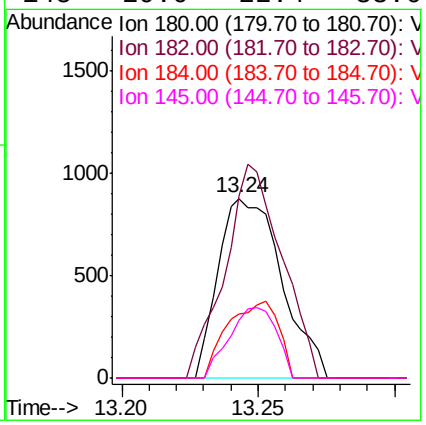


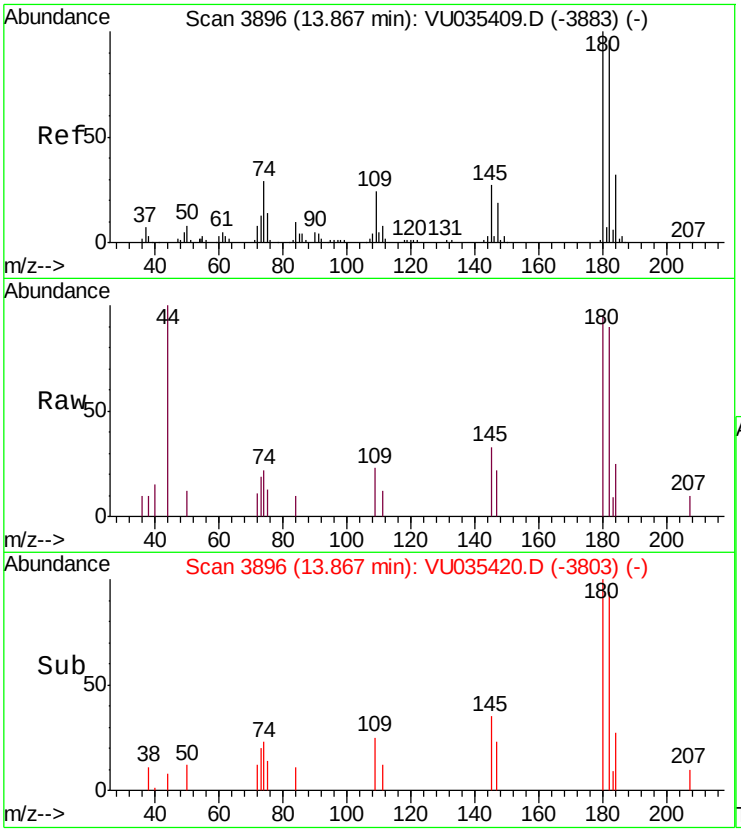


#67
1,3,5-Trichlorobenzene
Concen: 0.096 ug/L
RT: 13.24 min Scan# 3702
Delta R.T. 0.00 min
Lab File: VU035420.D
Acq: 23 Oct 2019 20:29

Tgt Ion:180 Resp: 1420

Ion	Ratio	Lower	Upper
180	100		
182	106.5	77.4	116.2
184	34.0	23.9	35.9
145	29.0	22.4	33.6



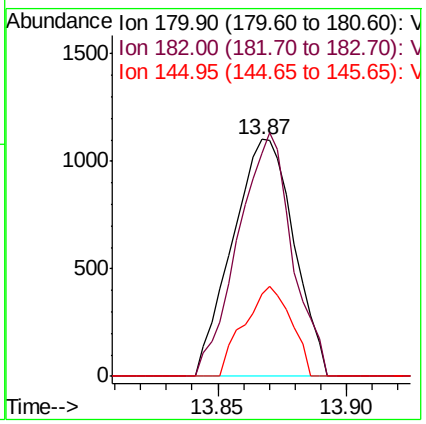


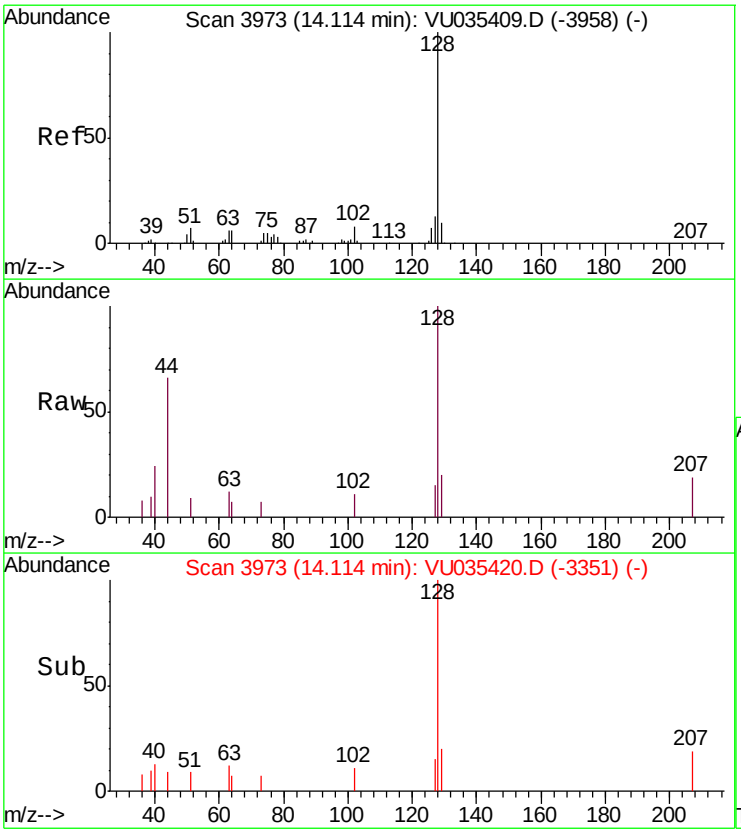
#68
1,2,4-trichlorobenzene
Concen: 0.186 ug/L
RT: 13.87 min Scan# 3896
Delta R.T. 0.00 min
Lab File: VU035420.D
Acq: 23 Oct 2019 20:29

Instrument :
MSVOA_U
ClientSampleId :
H0G32

Tgt Ion:180 Resp: 1831

Ion	Ratio	Lower	Upper
180	100		
182	90.3	75.9	113.9
145	29.1	23.4	35.2

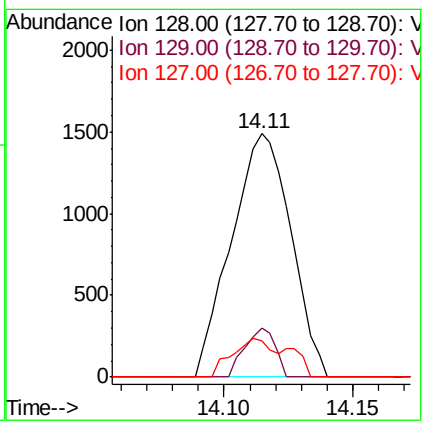


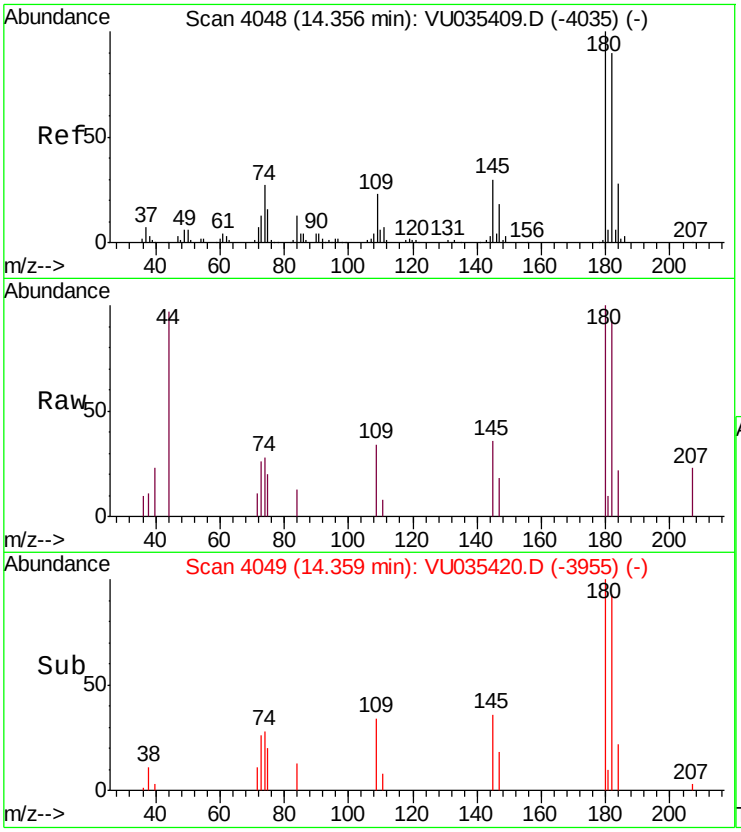


#69
Naphthalene
Concen: 0.177 ug/L
RT: 14.11 min Scan# 3973
Delta R.T. 0.00 min
Lab File: VU035420.D
Acq: 23 Oct 2019 20:29

Tgt Ion:128 Resp: 2388

Ion	Ratio	Lower	Upper
128	100		
129	10.1	8.6	13.0
127	10.9	10.7	16.1





#70
1,2,3-Trichlorobenzene
Concen: 0.219 ug/L
RT: 14.36 min Scan# 4049
Delta R.T. 0.00 min
Lab File: VU035420.D
Acq: 23 Oct 2019 20:29

Instrument :
MSVOA_U
ClientSampleId :
H0G32

Tgt Ion:180 Resp: 2016

Ion	Ratio	Lower	Upper
180	100		
182	94.6	76.0	114.0
145	32.4	24.6	37.0