Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU111920\

Quantitation Report (Not Reviewed)

Data File : VU041326.D
Acq On : 18 Nov 2020 21:00
Operator : SY/MD
Sample : L4790-10
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H4430

Quant Time: Nov 19 00:53:06 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111620WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Nov 19 00:50:13 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Difluorobenzene	6.38	114	64093	5.00	ug/L		0.13
28) Chlorobenzene-d5	9.45	117	64241	5.00	ug/L		0.03
60) 1,4-Dichlorobenzene-d4	11.82	152	31869	5.00	ug/L		0.00
System Monitoring Compounds							
4) Vinyl Chloride-d3	1.69	65	23248	4.93	ug/L		0.09
Spiked Amount 5.000	Range 40 - 130		Recovery = 98.60%				
7) Chloroethane-d5	2.04	69	20154	5.00	ug/L		0.12
Spiked Amount 5.000	Range 65 - 130		Recovery = 100.00%				
11) 1,1-Dichloroethene-d2	2.70	63	33694	3.46	ug/L		0.12
Spiked Amount 5.000	Range 60 - 125		Recovery = 69.20%				
20) 2-Butanone-d5	4.88	46	58237	29.96	ug/L		0.22
Spiked Amount 50.000	Range 40 - 130		Recovery = 59.92%				
24) Chloroform-d	5.20	84	49439	4.85	ug/L		0.12
Spiked Amount 5.000	Range 70 - 125		Recovery = 97.00%				
26) 1,2-Dichloroethane-d4	5.85	65	31277	4.70	ug/L		0.14
Spiked Amount 5.000	Range 70 - 130		Recovery = 94.00%				
32) Benzene-d6	5.87	84	86357	4.99	ug/L		0.13
Spiked Amount 5.000	Range 70 - 125		Recovery = 99.80%				
36) 1,2-Dichloropropane-d6	6.81	67	31093	5.21	ug/L		0.11
Spiked Amount 5.000	Range 60 - 140		Recovery = 104.20%				
41) Toluene-d8	7.97	98	70321	4.31	ug/L		0.06
Spiked Amount 5.000	Range 70 - 130		Recovery = 86.20%				
43) trans-1,3-Dichloropropene-	8.24	79	12033	4.68	ug/L		0.05
Spiked Amount 5.000	Range 55 - 130		Recovery = 93.60%				
46) 2-Hexanone-d5	8.69	63	58644	42.74	ug/L		0.05
Spiked Amount 50.000	Range 45 - 130		Recovery = 85.48%				
57) 1,1,2,2-Tetrachloroethane-	10.77	84	26882	4.64	ug/L		0.01
Spiked Amount 5.000	Range 65 - 120		Recovery = 92.80%				
64) 1,2-Dichlorobenzene-d4	12.20	152	31753	5.11	ug/L		0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 102.20%				
Target Compounds							Qvalue
5) Vinyl chloride	1.70	62	408144	73.353	ug/L		99
8) Chloroethane	2.07	64	24640	6.672	ug/L	#	55
10) 1,1,2-Trichloro-1,2,2-trif	2.70	101	337	0.071	ug/L	#	1
12) 1,1-Dichloroethene	2.71	96	1983	0.475	ug/L	#	1
13) Acetone	2.92	43	2087	1.618	ug/L		84
14) Carbon disulfide	2.93	76	4698	0.383	ug/L		98
15) Methyl Acetate	2.94	43	394	0.147	ug/L	#	53
17) Methyl tert-butyl Ether	3.55	73	1496	0.131	ug/L	#	76
18) trans-1,2-Dichloroethene	3.50	96	18698	4.602	ug/L		98
19) 1,1-Dichloroethane	4.03	63	5054	0.556	ug/L		94
22) cis-1,2-Dichloroethene	4.81	96	605258	131.890	ug/L		90
27) 1,2-Dichloroethane	5.87	62	580	0.082	ug/L	#	74
33) Benzene	5.92	78	58550	3.363	ug/L		100
34) Trichloroethene	6.66	95	74022	15.732	ug/L		98
35) Methylcyclohexane	6.81	83	7731	1.237	ug/L	#	18
37) 1,2-Dichloropropane	6.81	63	3910	0.768	ug/L	#	86
39) cis-1,3-Dichloropropene	7.65	75	820	0.116	ug/L	#	53

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU111920\

Quantitation Report (Not Reviewed)

Data File : VU041326.D
Acq On : 18 Nov 2020 21:00
Operator : SY/MD
Sample : L4790-10
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H4430

Quant Time: Nov 19 00:53:06 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111620WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Nov 19 00:50:13 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) Toluene	8.03	91	296510	15.937	ug/L		100
44) trans-1,3-Dichloropropene	8.23	75	465	0.069	ug/L	#	63
45) 1,1,2-Trichloroethane	8.33	97	2006	0.510	ug/L	#	11
47) Tetrachloroethene	8.60	164	988	0.284	ug/L		88
48) 2-Hexanone	8.69	43	8748	2.783	ug/L	#	70
49) Dibromochloromethane	8.60	129	1004	0.215	ug/L	#	11
51) Chlorobenzene	9.48	112	5075	0.412	ug/L		94
52) Ethylbenzene	9.60	91	65235	3.283	ug/L		100
53) m,p-Xylene	9.72	106	57733	8.040	ug/L		100
54) o-Xylene	10.12	106	69188	10.003	ug/L		99
55) Styrene	10.12	104	5187	0.424	ug/L	#	1
56) Isopropylbenzene	10.50	105	6492	0.354	ug/L	#	95
59) 1,2,3-Trichloropropane	11.41	75	322	0.080	ug/L	#	1
65) 1,2-Dichlorobenzene	12.21	146	533	0.056	ug/L	#	84
69) Naphthalene	14.08	128	13143	1.431	ug/L		99

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

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU111920\

Quantitation Report (Not Reviewed)

Data File : VU041326.D
Acq On : 18 Nov 2020 21:00
Operator : SY/MD
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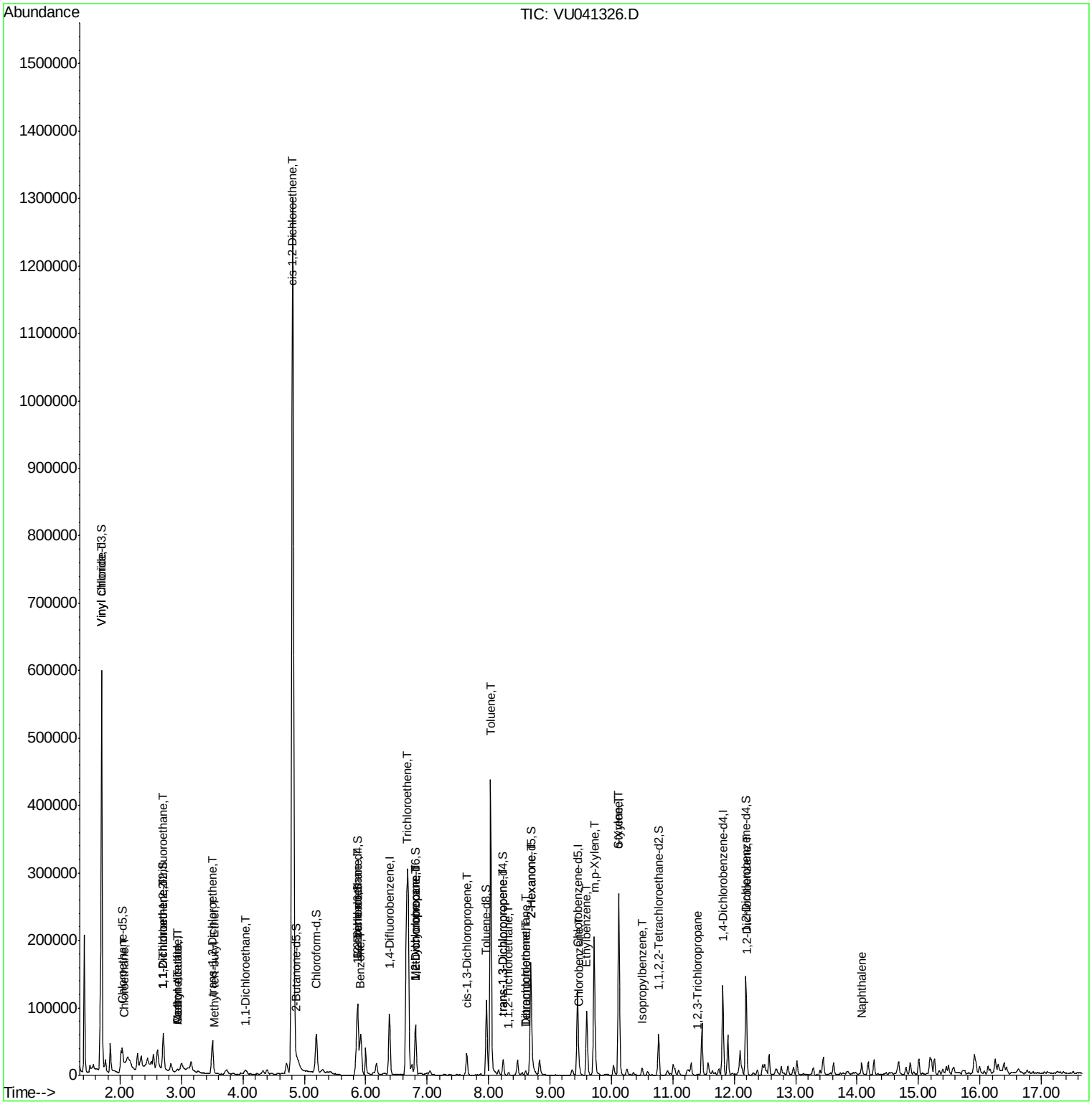
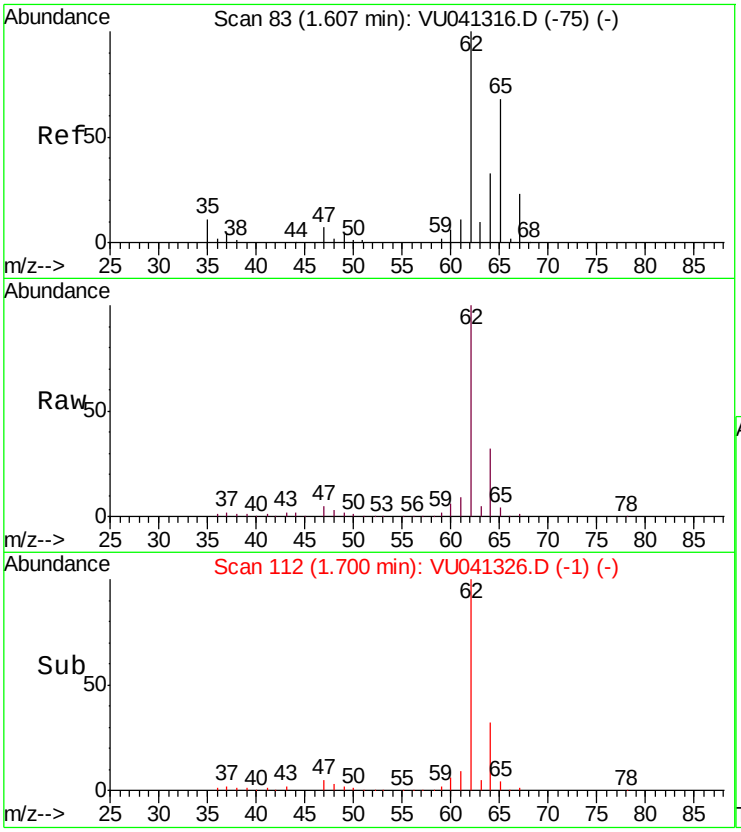
Quant Time: Nov 19 00:53:06 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111620WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Nov 19 00:50:13 2020
Response via : Initial Calibration



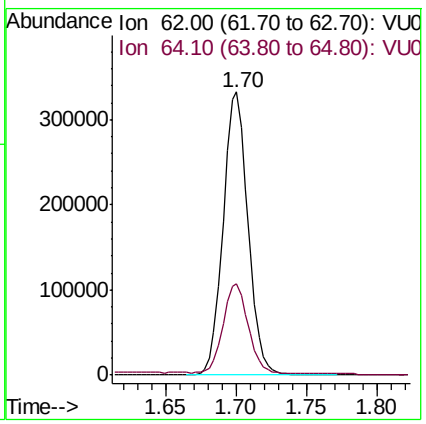


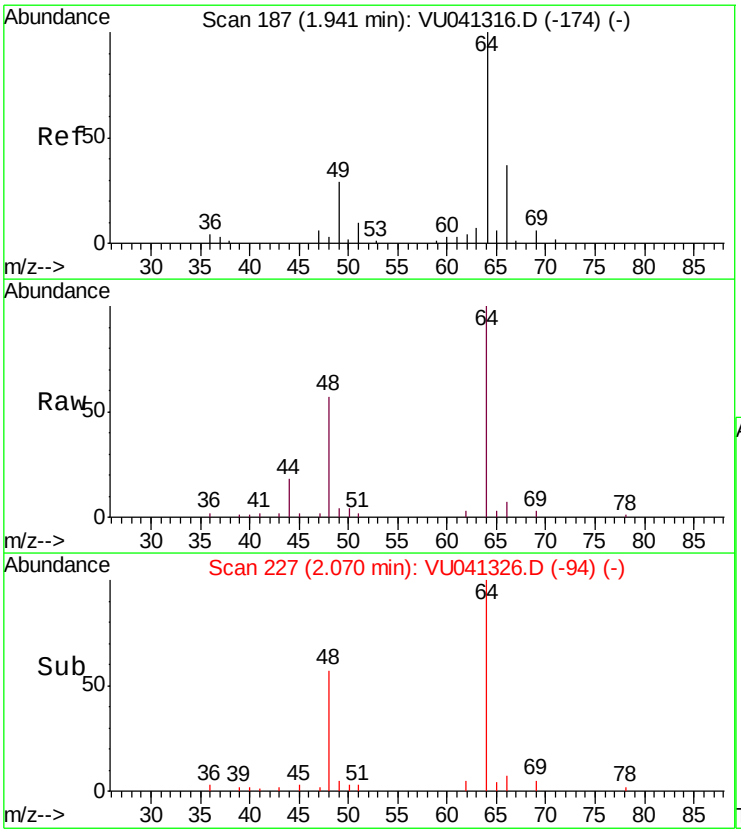
#5
Vinyl chloride
Concen: 73.353 ug/L
RT: 1.70 min Scan# 112
Delta R.T. 0.09 min
Lab File: VU041326.D
Acq: 18 Nov 2020 21:00

Instrument :
MSVOA_U
ClientSampleId :
H4430

Tgt Ion: 62 Resp: 408144

Ion	Ratio	Lower	Upper
62	100		
64	32.2	22.7	42.3

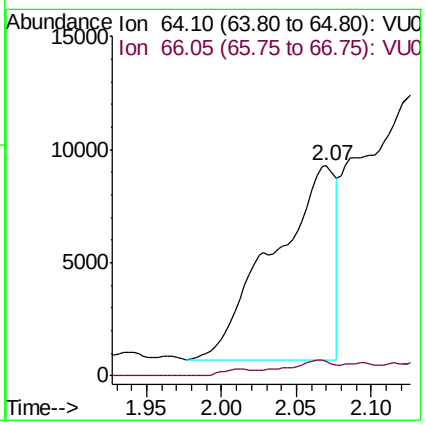


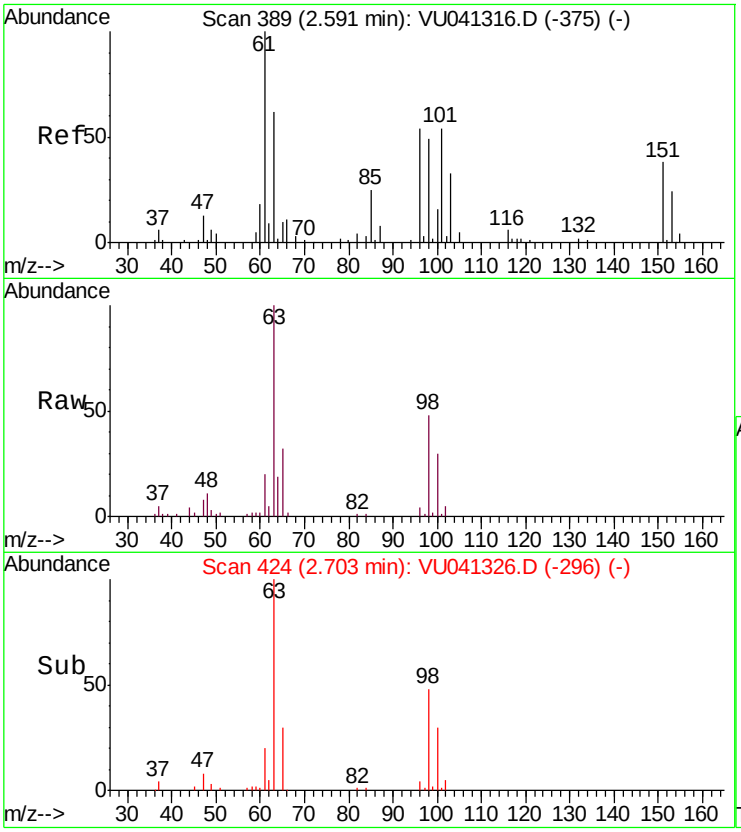


#8
Chloroethane
Concen: 6.672 ug/L
RT: 2.07 min Scan# 227
Delta R.T. 0.13 min
Lab File: VU041326.D
Acq: 18 Nov 2020 21:00

Tgt Ion: 64 Resp: 24640

Ion	Ratio	Lower	Upper
64	100		
66	7.1	22.3	41.5#



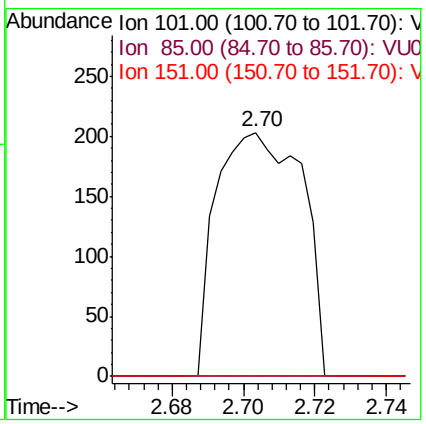


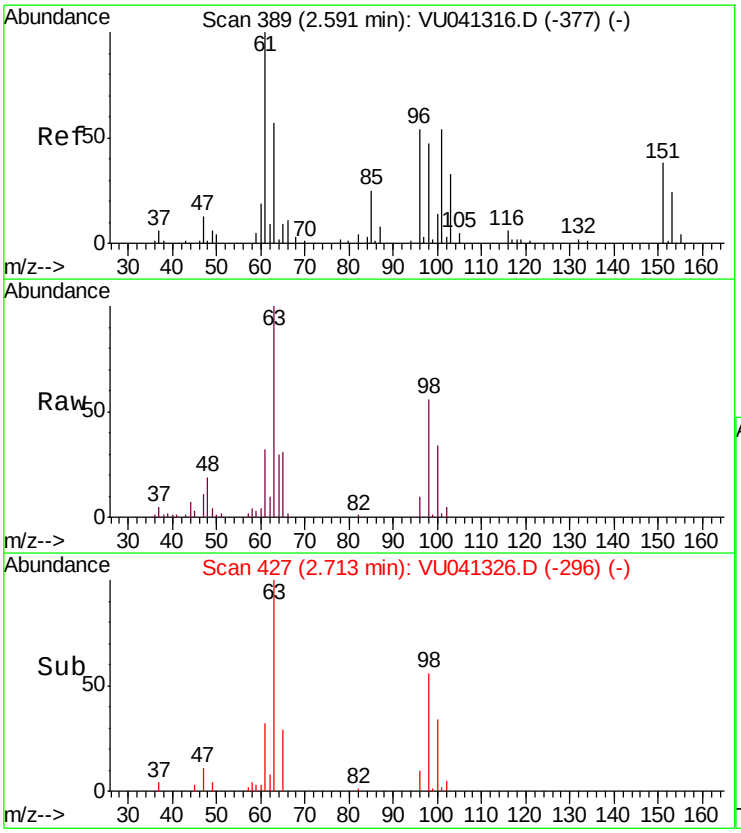
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.071 ug/L
RT: 2.70 min Scan# 424
Delta R.T. 0.11 min
Lab File: VU041326.D
Acq: 18 Nov 2020 21:00

Instrument :
MSVOA_U
ClientSampleId :
H4430

Tgt Ion:101 Resp: 337

Ion	Ratio	Lower	Upper
101	100		
85	340.1	35.0	52.4#
151	0.0	55.3	82.9#

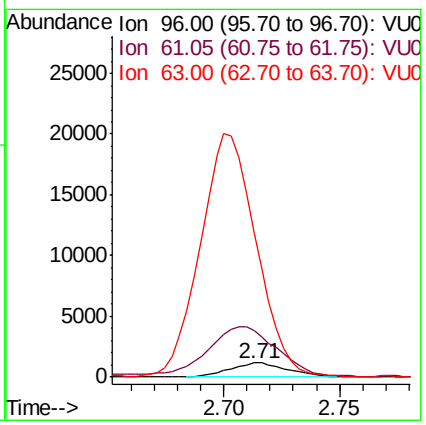


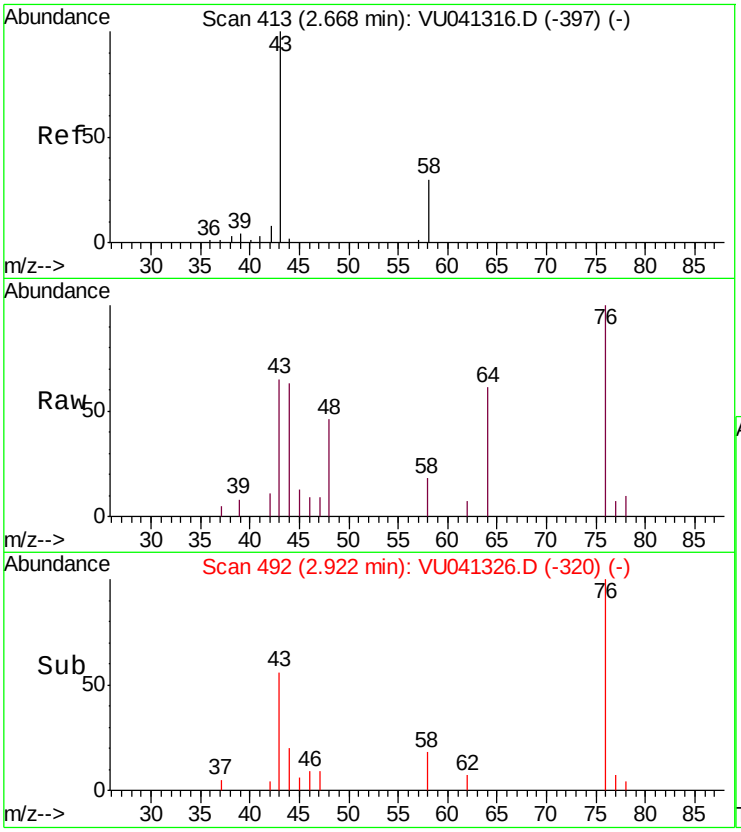


#12
1,1-Dichloroethene
Concen: 0.475 ug/L
RT: 2.71 min Scan# 427
Delta R.T. 0.12 min
Lab File: VU041326.D
Acq: 18 Nov 2020 21:00

Tgt Ion: 96 Resp: 1983

Ion	Ratio	Lower	Upper
96	100		
61	330.4	134.3	249.5#
63	1030.5	95.0	176.4#



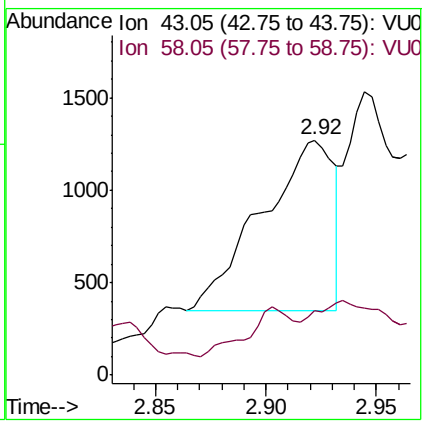


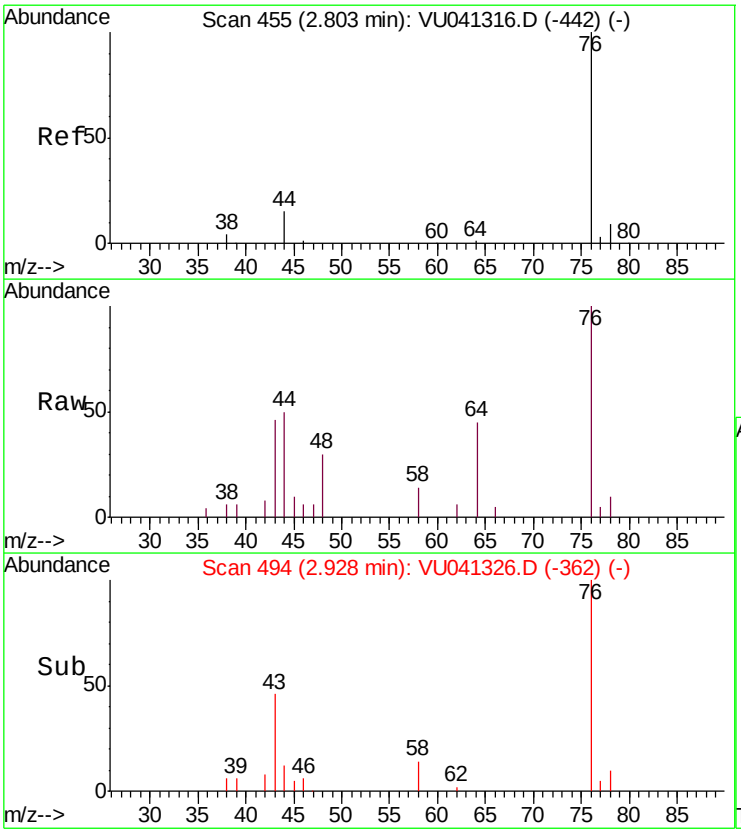
#13
Acetone
Concen: 1.618 ug/L
RT: 2.92 min Scan# 492
Delta R.T. 0.25 min
Lab File: VU041326.D
Acq: 18 Nov 2020 21:00

Instrument : MSVOA_U
ClientSampleId : H4430

Tgt Ion: 43 Resp: 2087

Ion	Ratio	Lower	Upper
43	100		
58	19.0	0.0	25.4

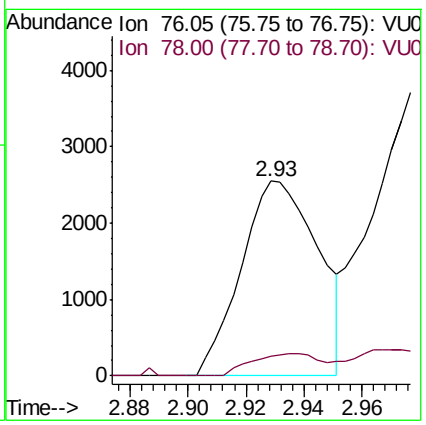


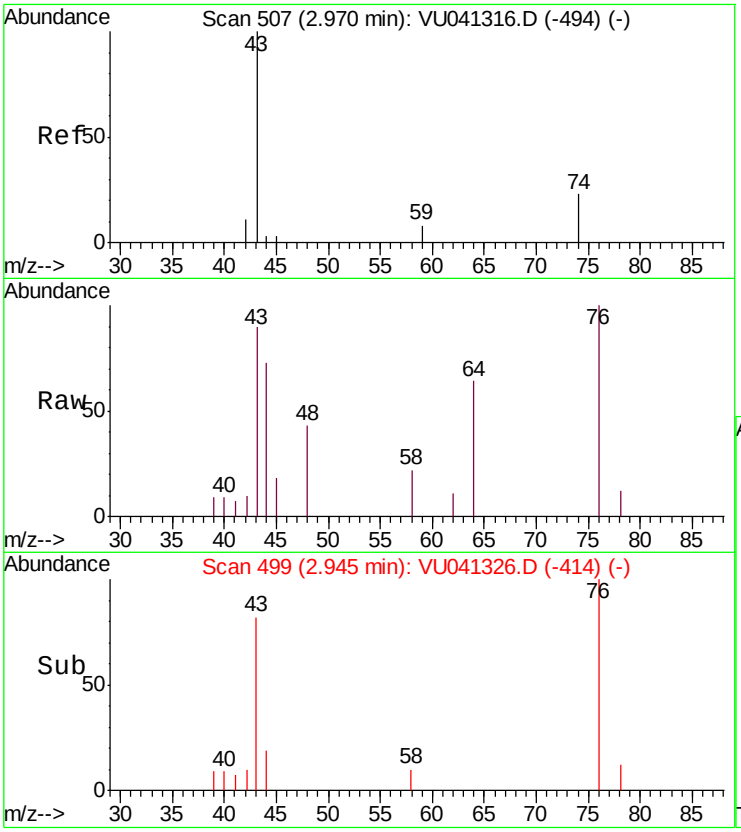


#14
Carbon disulfide
Concen: 0.383 ug/L
RT: 2.93 min Scan# 494
Delta R.T. 0.13 min
Lab File: VU041326.D
Acq: 18 Nov 2020 21:00

Tgt Ion: 76 Resp: 4698

Ion	Ratio	Lower	Upper
76	100		
78	10.0	7.5	11.3



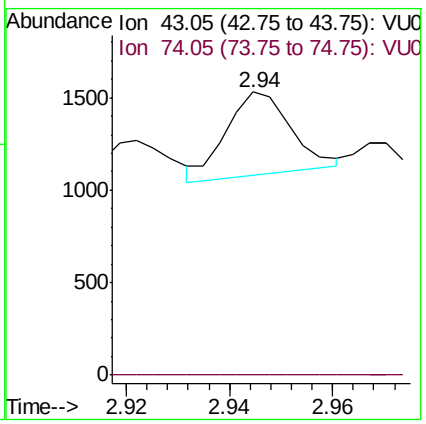


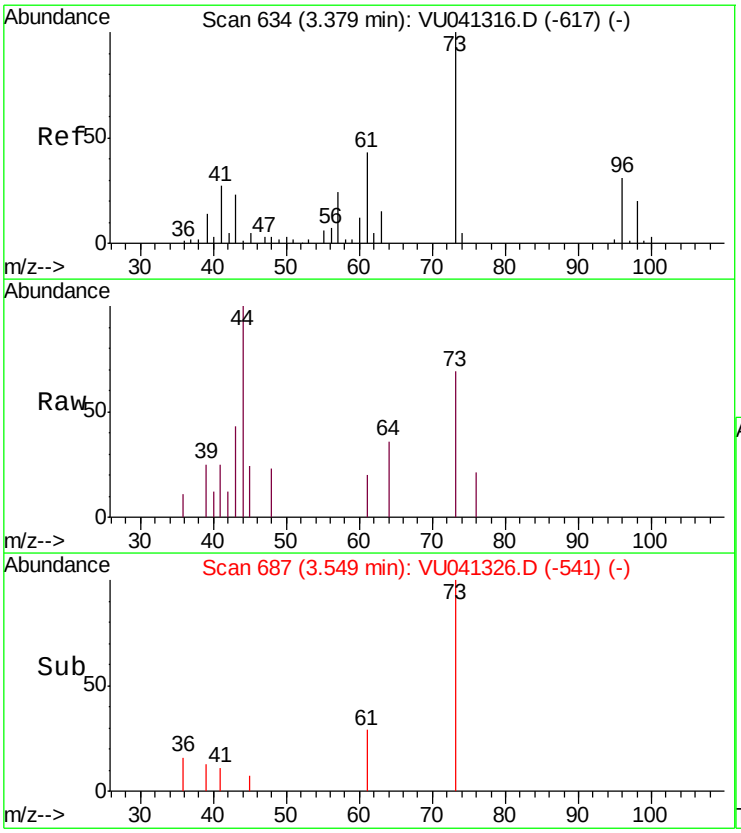
#15
Methyl Acetate
Concen: 0.147 ug/L
RT: 2.94 min Scan# 499
Delta R.T. -0.03 min
Lab File: VU041326.D
Acq: 18 Nov 2020 21:00

Instrument : MSVOA_U
ClientSampleId : H4430

Tgt Ion: 43 Resp: 394

Ion	Ratio	Lower	Upper
43	100		
74	0.0	18.3	27.5#

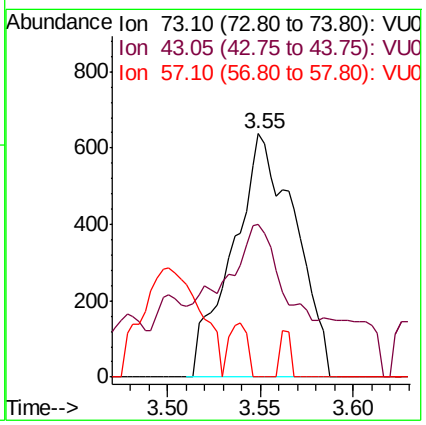


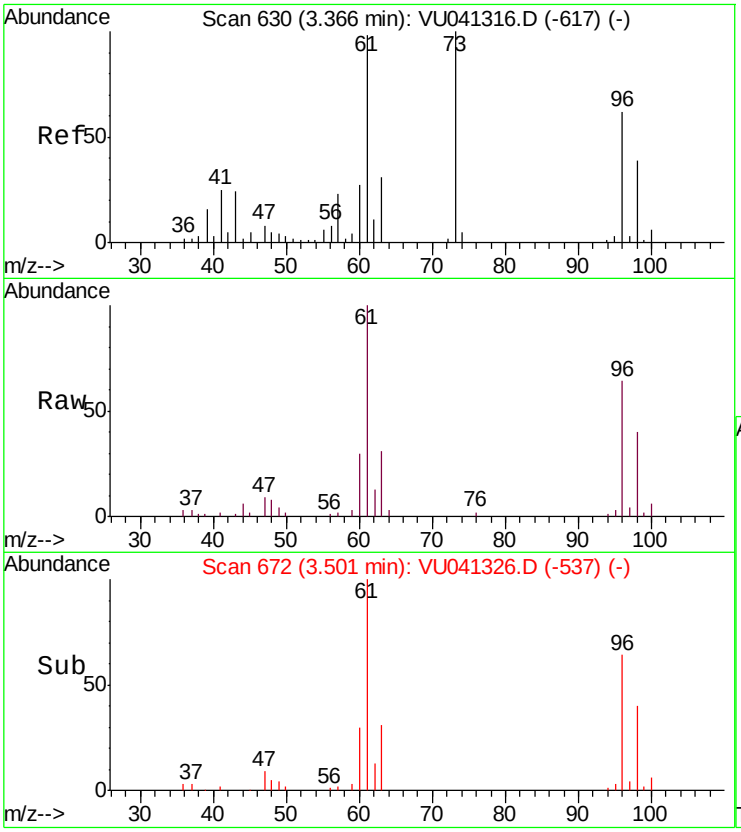


#17
Methyl tert-butyl Ether
Concen: 0.131 ug/L
RT: 3.55 min Scan# 687
Delta R.T. 0.17 min
Lab File: VU041326.D
Acq: 18 Nov 2020 21:00

Tgt Ion: 73 Resp: 1496

Ion	Ratio	Lower	Upper
73	100		
43	29.5	18.5	27.7#
57	6.4	18.4	27.6#



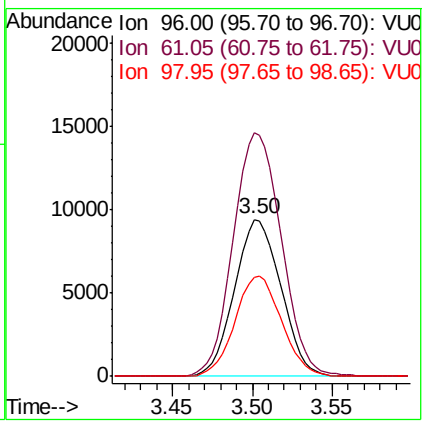


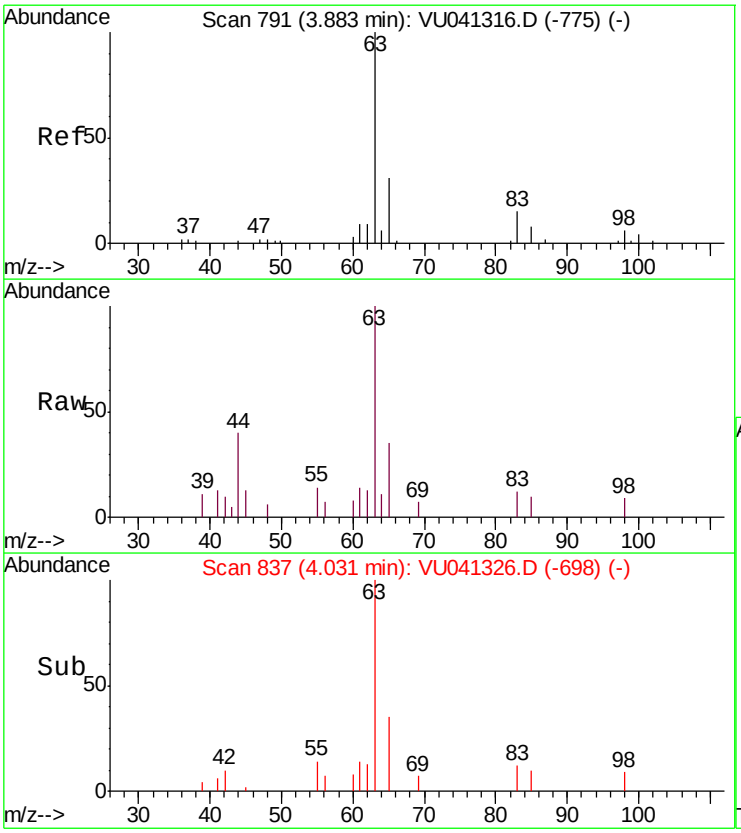
#18
trans-1,2-Dichloroethene
Concen: 4.602 ug/L
RT: 3.50 min Scan# 672
Delta R.T. 0.14 min
Lab File: VU041326.D
Acq: 18 Nov 2020 21:00

Instrument : MSVOA_U
ClientSampleId : H4430

Tgt Ion: 96 Resp: 18698

Ion	Ratio	Lower	Upper
96	100		
61	155.5	110.9	205.9
98	62.9	45.4	84.2

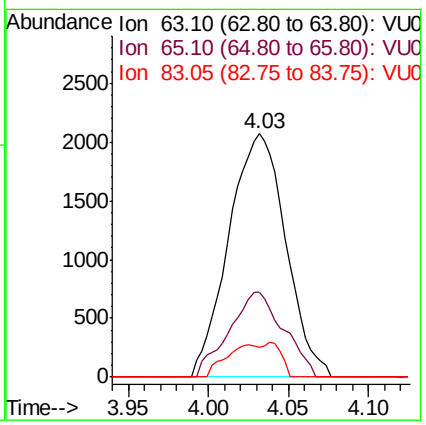


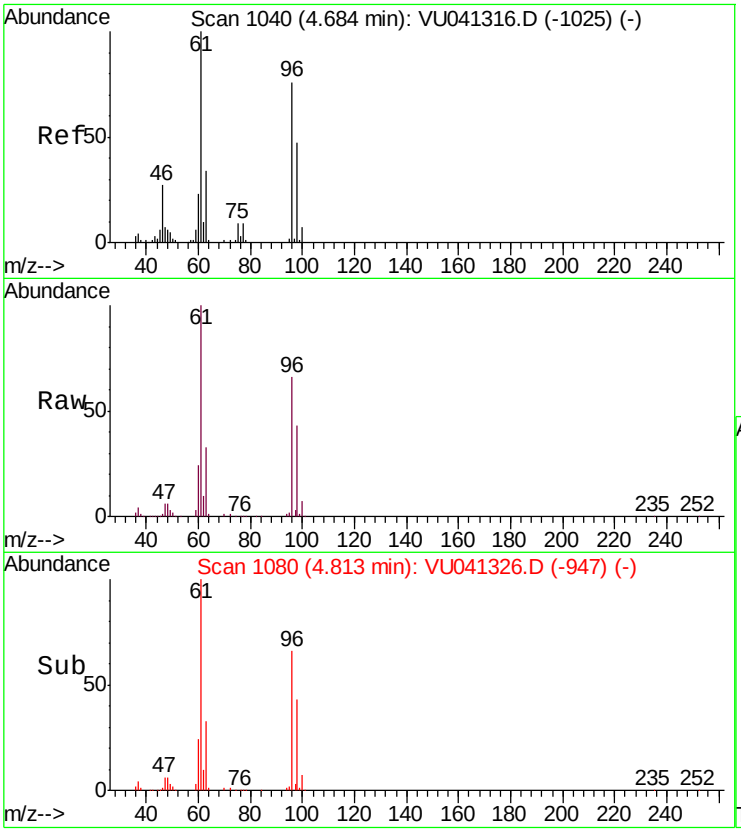


#19
1,1-Dichloroethane
Concen: 0.556 ug/L
RT: 4.03 min Scan# 837
Delta R.T. 0.15 min
Lab File: VU041326.D
Acq: 18 Nov 2020 21:00

Tgt Ion: 63 Resp: 5054

Ion	Ratio	Lower	Upper
63	100		
65	34.7	21.3	39.6
83	12.0	8.8	16.3



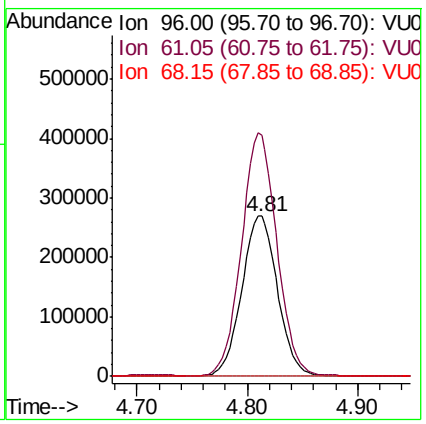


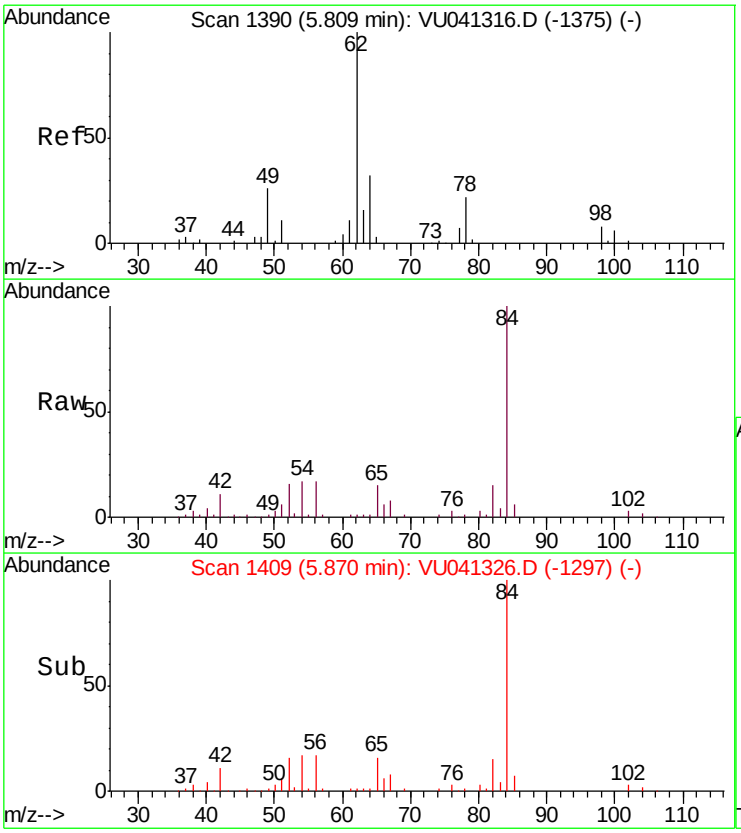
#22
cis-1,2-Dichloroethene
Concen: 131.890 ug/L
RT: 4.81 min Scan# 1080
Delta R.T. 0.13 min
Lab File: VU041326.D
Acq: 18 Nov 2020 21:00

Instrument : MSVOA_U
ClientSampleId : H4430

Tgt Ion: 96 Resp: 605258

Ion	Ratio	Lower	Upper
96	100		
61	150.4	97.2	180.4
68	0.0	0.0	0.0

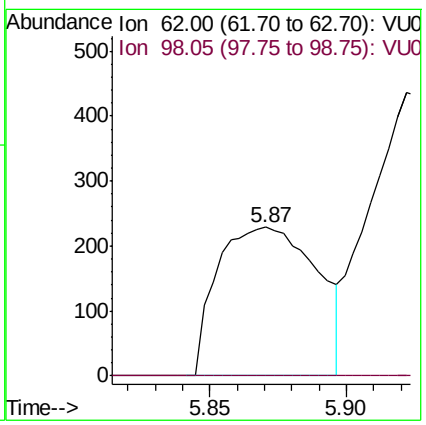


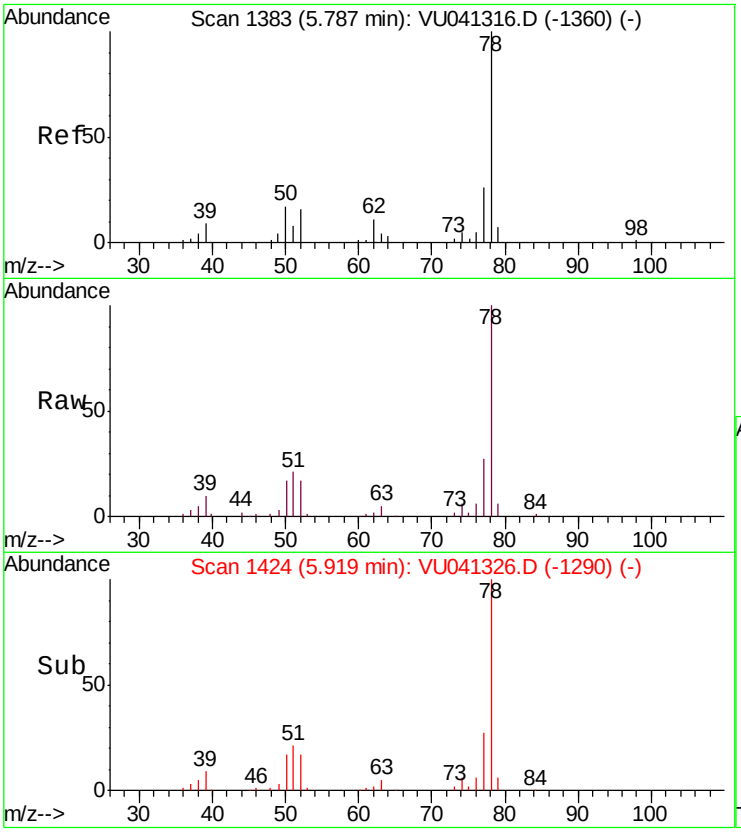


#27
1,2-Dichloroethane
Concen: 0.082 ug/L
RT: 5.87 min Scan# 1409
Delta R.T. 0.06 min
Lab File: VU041326.D
Acq: 18 Nov 2020 21:00

Tgt Ion: 62 Resp: 580

Ion	Ratio	Lower	Upper
62	100		
98	0.0	7.6	11.4#

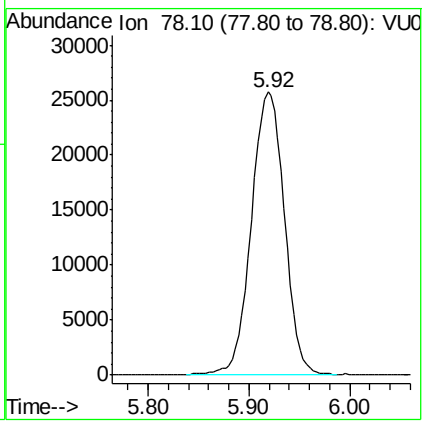


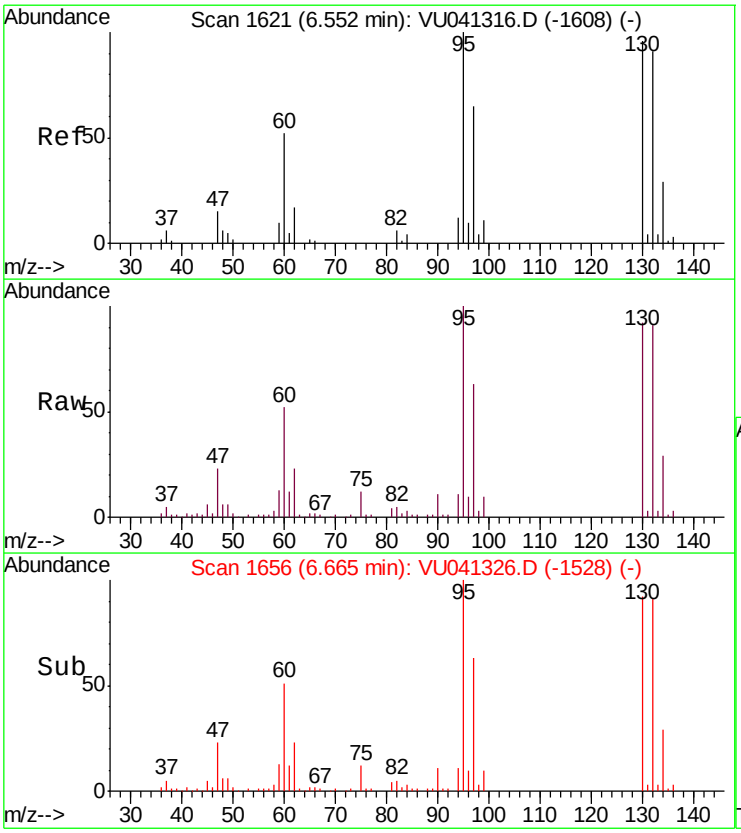


#33
Benzene
Concen: 3.363 ug/L
RT: 5.92 min Scan# 1424
Delta R.T. 0.13 min
Lab File: VU041326.D
Acq: 18 Nov 2020 21:00

Instrument :
MSVOA_U
ClientSampleId :
H4430

Tgt Ion: 78 Resp: 58550

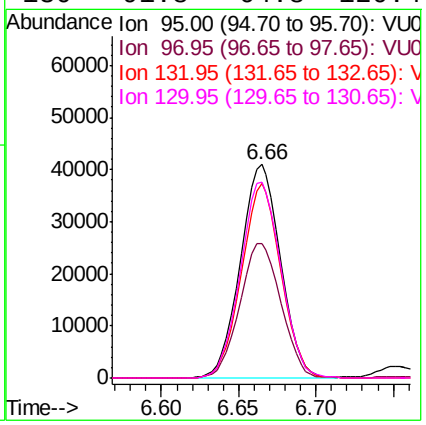


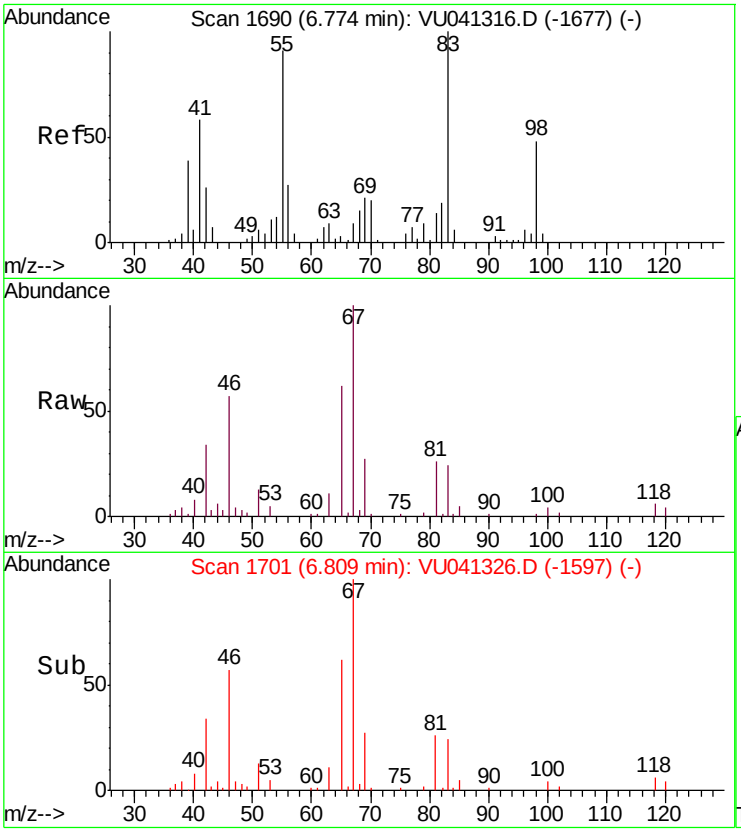


#34
Trichloroethene
Concen: 15.732 ug/L
RT: 6.66 min Scan# 1656
Delta R.T. 0.11 min
Lab File: VU041326.D
Acq: 18 Nov 2020 21:00

Tgt Ion: 95 Resp: 74022

Ion	Ratio	Lower	Upper
95	100		
97	63.2	45.6	84.6
132	90.8	64.8	120.4
130	91.8	64.8	120.4



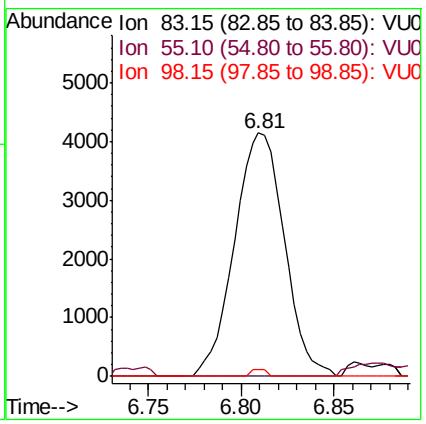


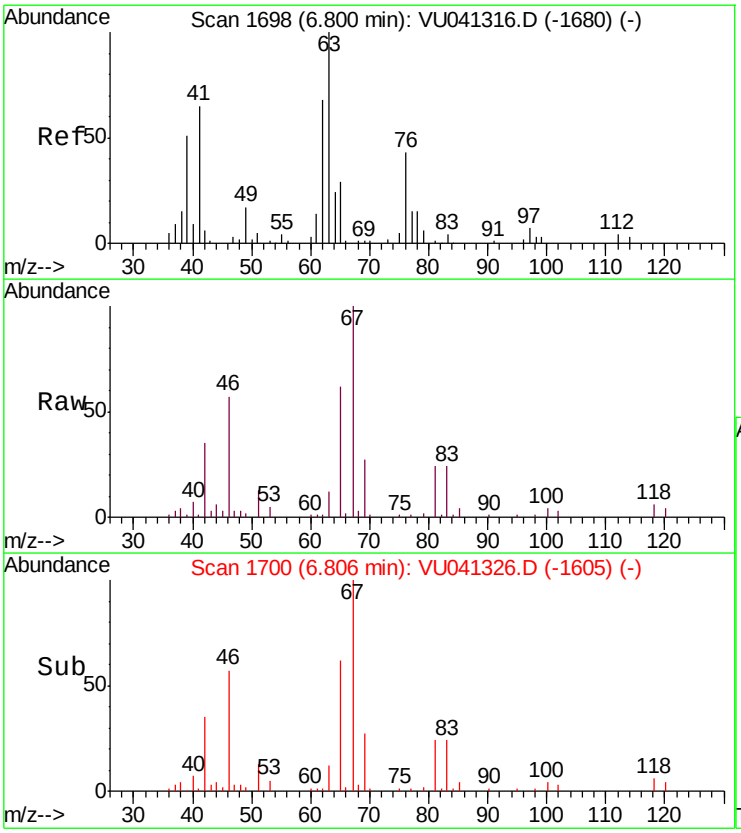
#35
Methylcyclohexane
Concen: 1.237 ug/L
RT: 6.81 min Scan# 1701
Delta R.T. 0.04 min
Lab File: VU041326.D
Acq: 18 Nov 2020 21:00

Instrument : MSVOA_U
ClientSampleId : H4430

Tgt Ion: 83 Resp: 7731

Ion	Ratio	Lower	Upper
83	100		
55	6.2	72.0	108.0#
98	0.0	36.6	55.0#

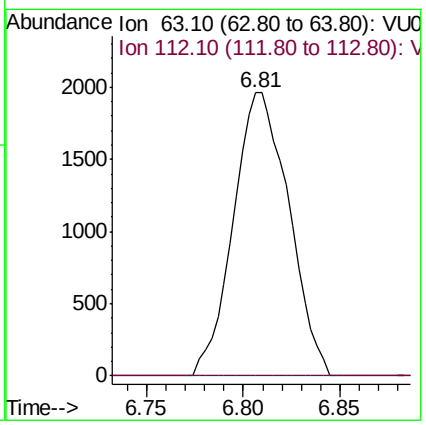


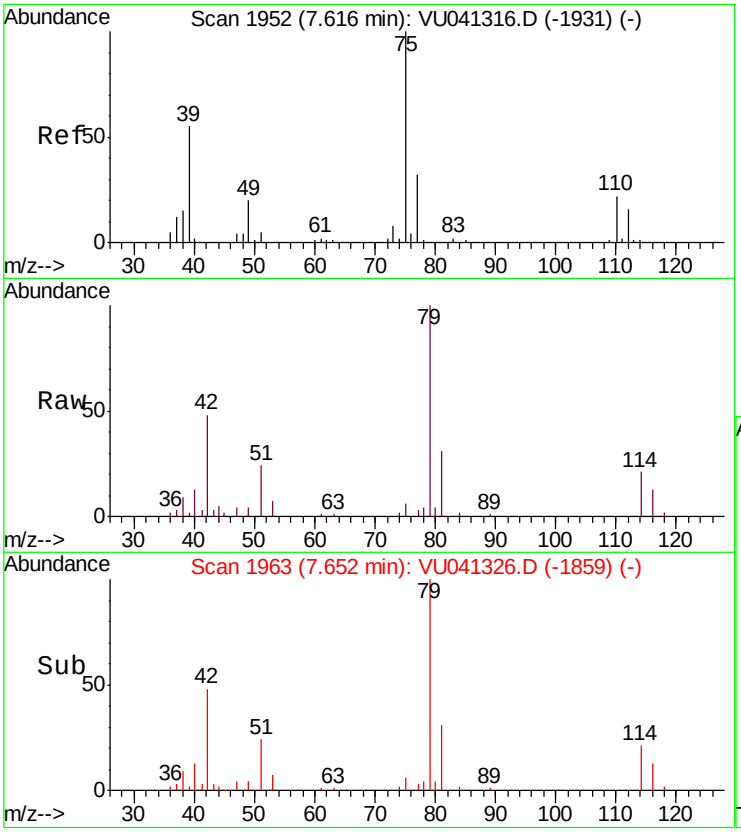


#37
1,2-Dichloropropane
Concen: 0.768 ug/L
RT: 6.81 min Scan# 1700
Delta R.T. 0.01 min
Lab File: VU041326.D
Acq: 18 Nov 2020 21:00

Tgt Ion: 63 Resp: 3910

Ion	Ratio	Lower	Upper
63	100		
112	0.0	3.6	5.4#



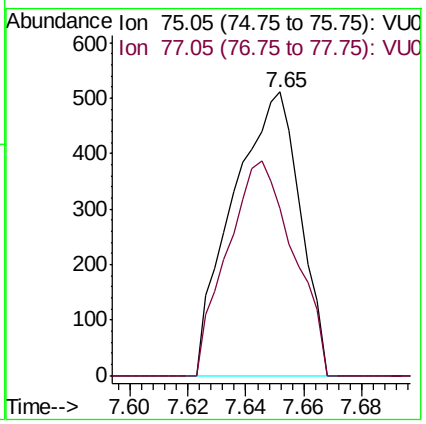


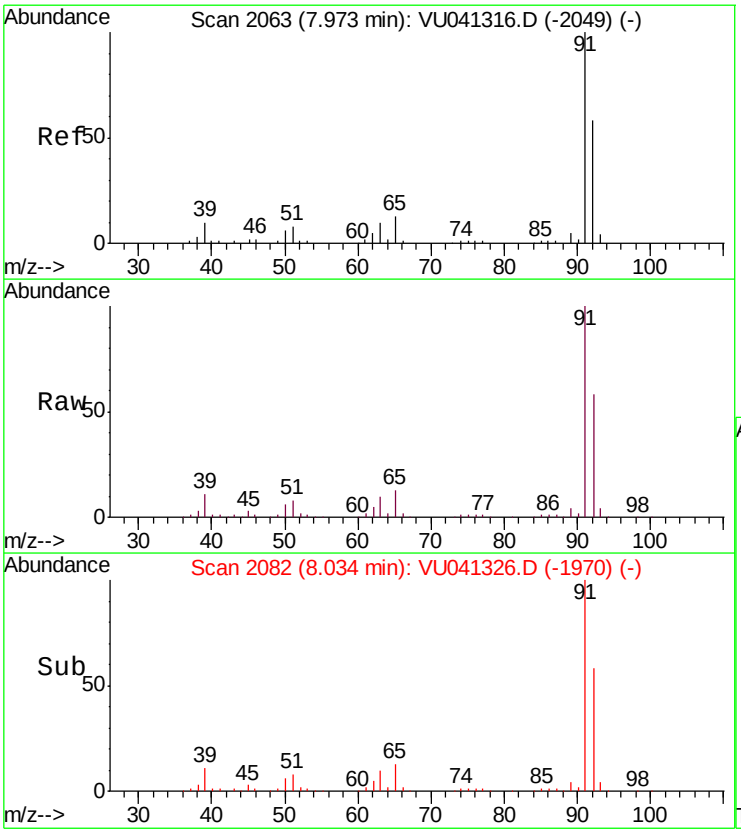
#39
cis-1,3-Dichloropropene
Concen: 0.116 ug/L
RT: 7.65 min Scan# 1963
Delta R.T. 0.04 min
Lab File: VU041326.D
Acq: 18 Nov 2020 21:00

Instrument : MSVOA_U
ClientSampleId : H4430

Tgt Ion: 75 Resp: 820

Ion	Ratio	Lower	Upper
75	100		
77	58.9	22.7	42.3#

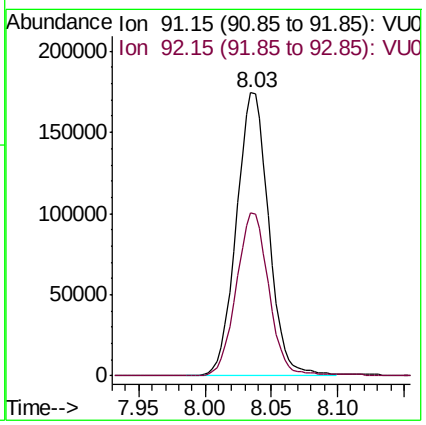


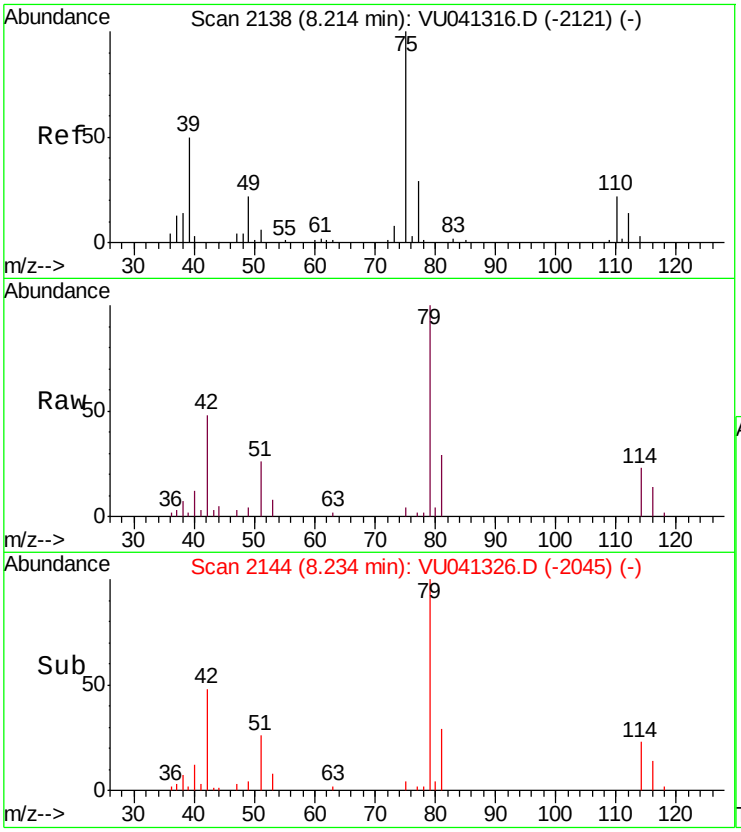


#42
Toluene
Concen: 15.937 ug/L
RT: 8.03 min Scan# 2082
Delta R.T. 0.06 min
Lab File: VU041326.D
Acq: 18 Nov 2020 21:00

Tgt Ion: 91 Resp: 296510

Ion	Ratio	Lower	Upper
91	100		
92	57.7	40.6	75.4



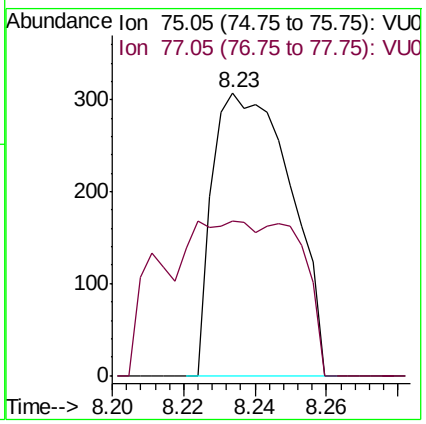


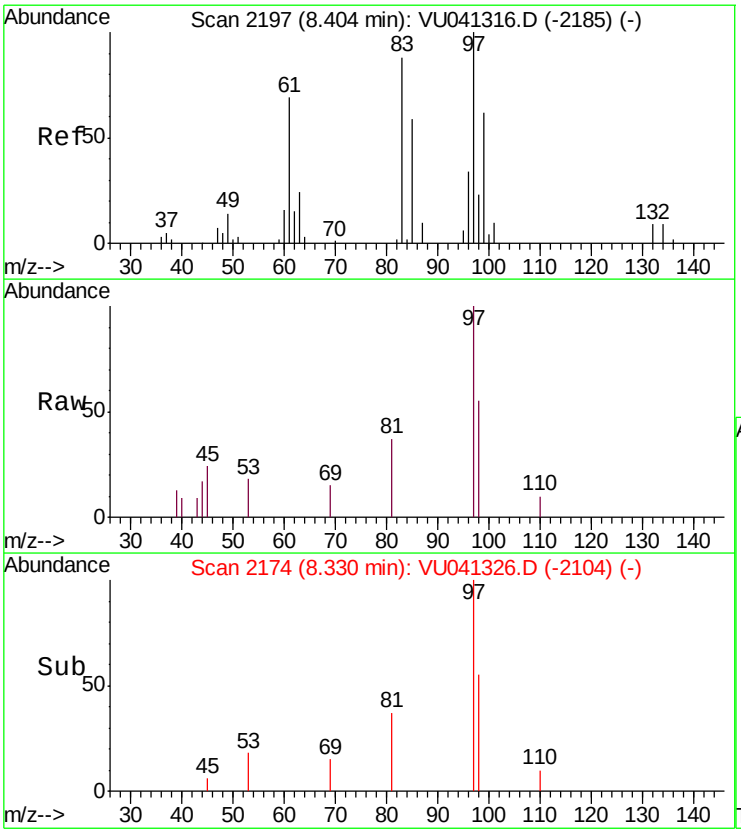
#44
trans-1,3-Dichloropropene
Concen: 0.069 ug/L
RT: 8.23 min Scan# 2144
Delta R.T. 0.02 min
Lab File: VU041326.D
Acq: 18 Nov 2020 21:00

Instrument : MSVOA_U
ClientSampleId : H4430

Tgt Ion: 75 Resp: 465

Ion	Ratio	Lower	Upper
75	100		
77	54.5	23.3	43.3#

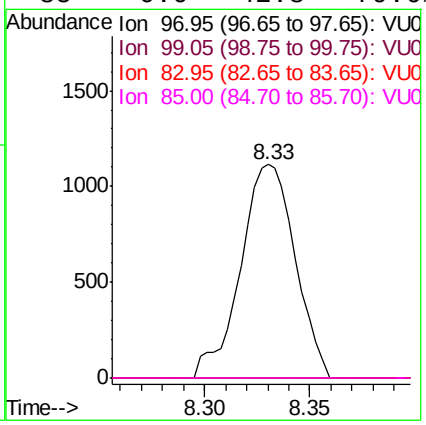


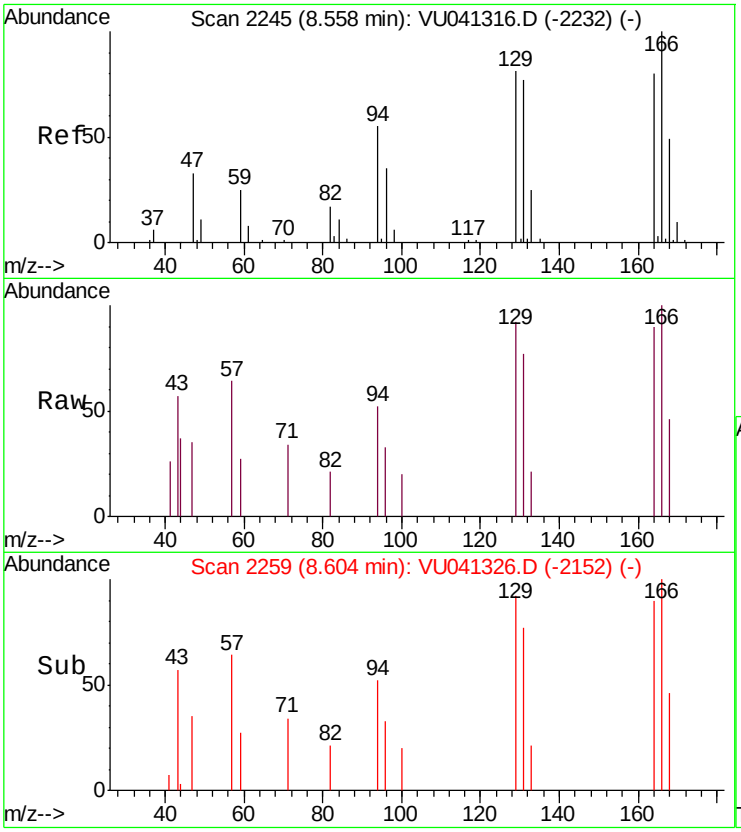


#45
1,1,2-Trichloroethane
Concen: 0.510 ug/L
RT: 8.33 min Scan# 2174
Delta R.T. -0.07 min
Lab File: VU041326.D
Acq: 18 Nov 2020 21:00

Tgt Ion: 97 Resp: 2006

Ion	Ratio	Lower	Upper
97	100		
99	0.0	45.8	85.2#
83	0.0	67.9	126.1#
85	0.0	42.8	79.6#



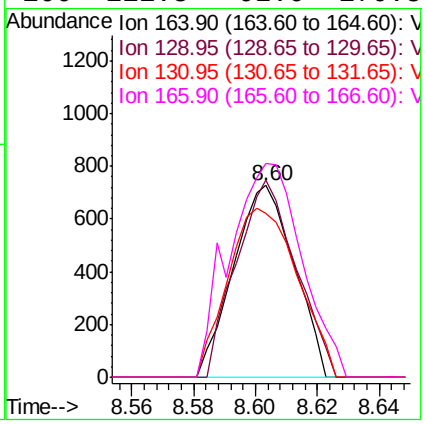


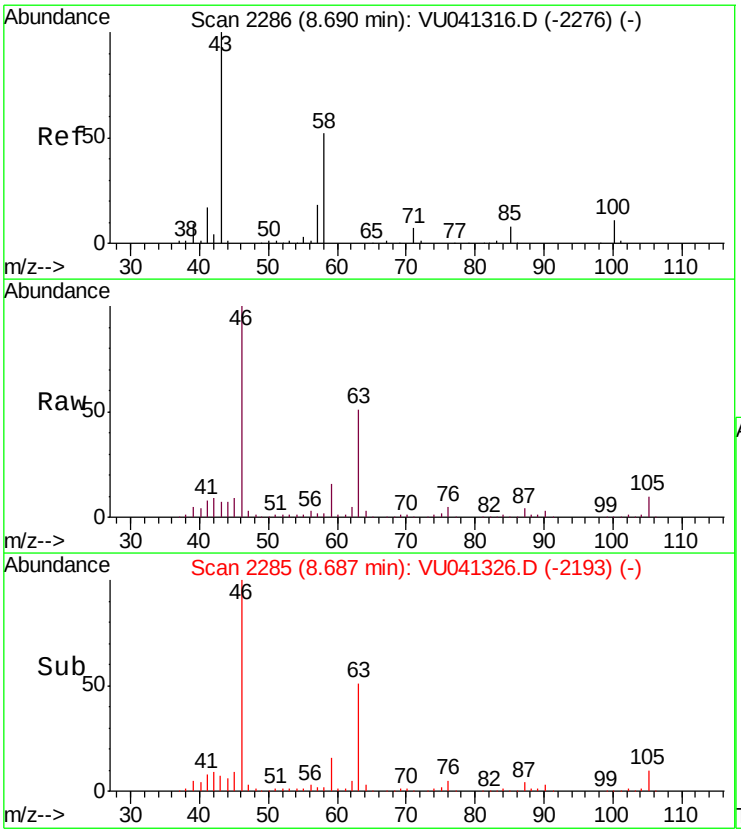
#47
Tetrachloroethene
Concen: 0.284 ug/L
RT: 8.60 min Scan# 2259
Delta R.T. 0.05 min
Lab File: VU041326.D
Acq: 18 Nov 2020 21:00

Instrument : MSVOA_U
ClientSampleId : H4430

Tgt Ion:164 Resp: 988

Ion	Ratio	Lower	Upper
164	100		
129	102.5	70.3	130.7
131	85.4	70.8	131.4
166	111.3	92.0	170.8

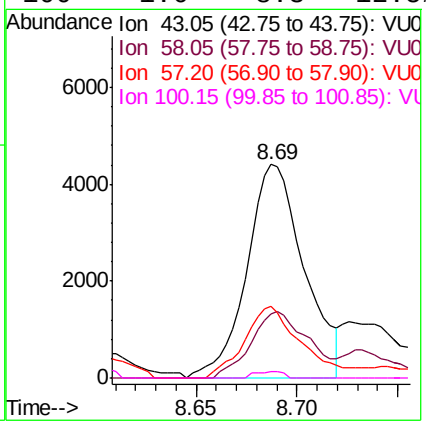


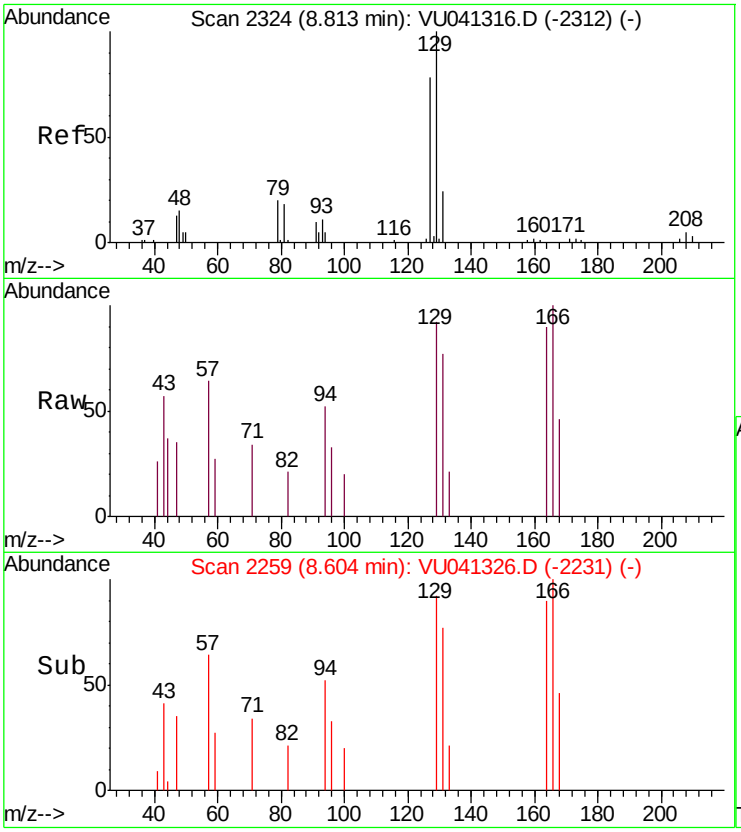


#48
2-Hexanone
Concen: 2.783 ug/L
RT: 8.69 min Scan# 2285
Delta R.T. -0.00 min
Lab File: VU041326.D
Acq: 18 Nov 2020 21:00

Tgt Ion: 43 Resp: 8748

Ion	Ratio	Lower	Upper
43	100		
58	31.1	41.4	62.2#
57	33.9	14.6	21.8#
100	1.6	8.3	12.5#



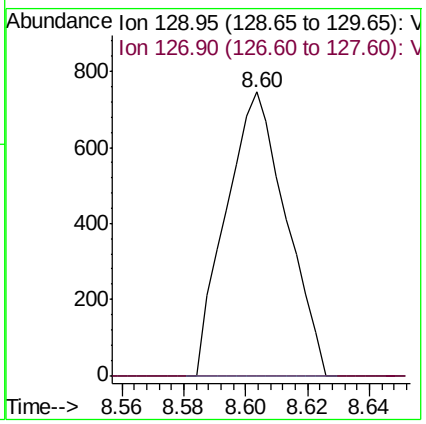


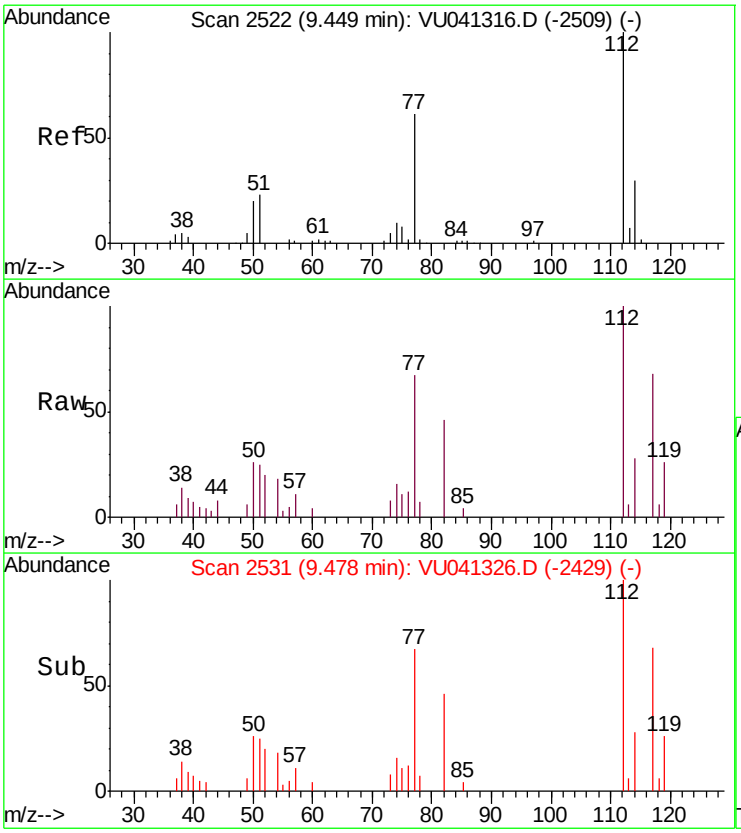
#49
Dibromochloromethane
Concen: 0.215 ug/L
RT: 8.60 min Scan# 2259
Delta R.T. -0.21 min
Lab File: VU041326.D
Acq: 18 Nov 2020 21:00

Instrument : MSVOA_U
ClientSampleId : H4430

Tgt Ion:129 Resp: 1004

Ion	Ratio	Lower	Upper
129	100		
127	0.0	53.4	99.2#

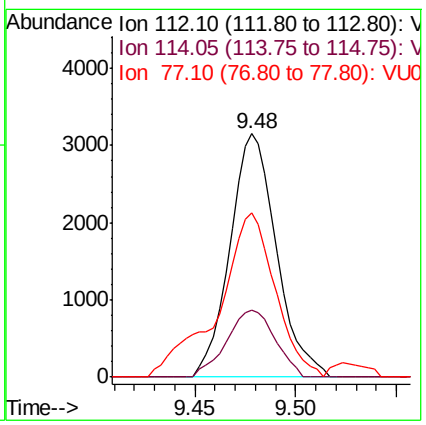


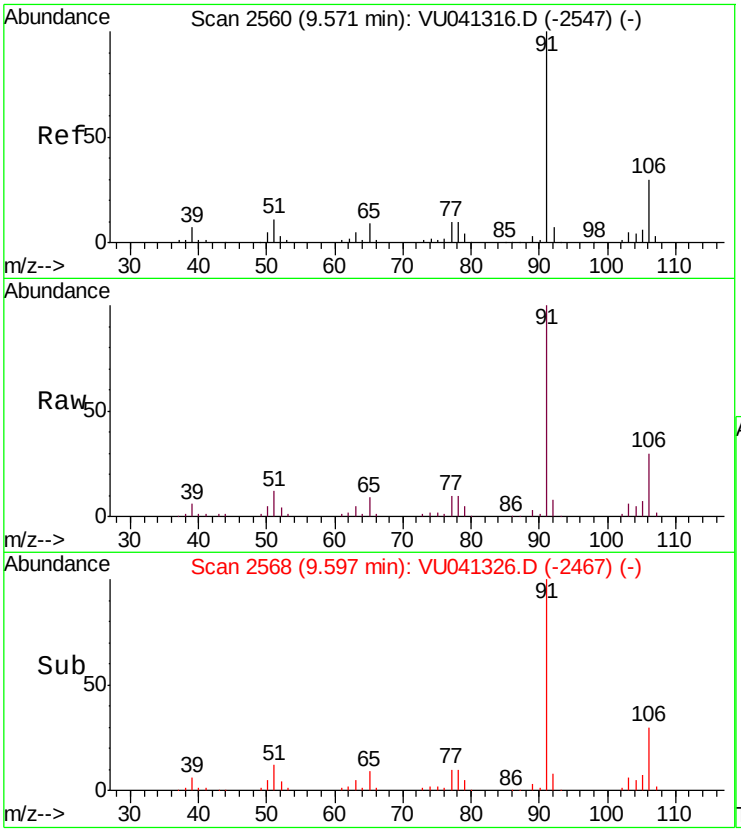


#51
Chlorobenzene
Concen: 0.412 ug/L
RT: 9.48 min Scan# 2531
Delta R.T. 0.03 min
Lab File: VU041326.D
Acq: 18 Nov 2020 21:00

Tgt Ion:112 Resp: 5075

Ion	Ratio	Lower	Upper
112	100		
114	27.5	22.4	41.6
77	67.4	51.2	76.8



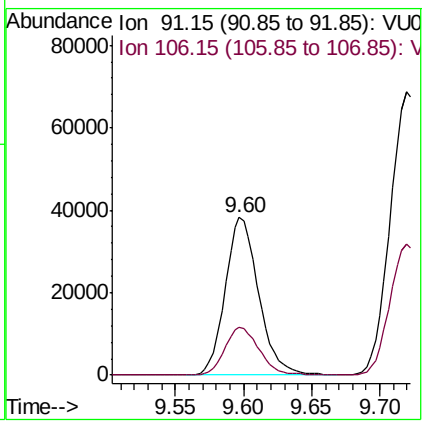


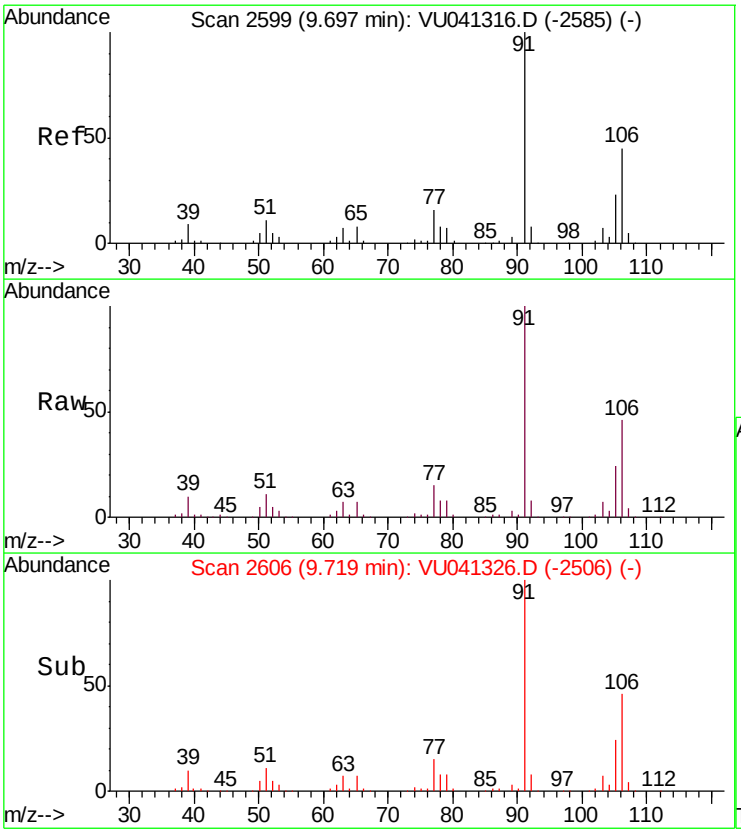
#52
Ethylbenzene
Concen: 3.283 ug/L
RT: 9.60 min Scan# 2568
Delta R.T. 0.03 min
Lab File: VU041326.D
Acq: 18 Nov 2020 21:00

Instrument :
MSVOA_U
ClientSampleId :
H4430

Tgt Ion: 91 Resp: 65235

Ion	Ratio	Lower	Upper
91	100		
106	30.1	21.0	39.0

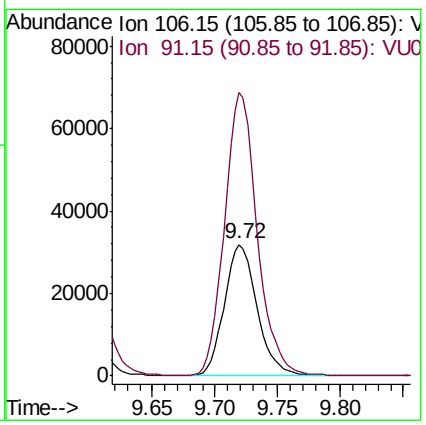


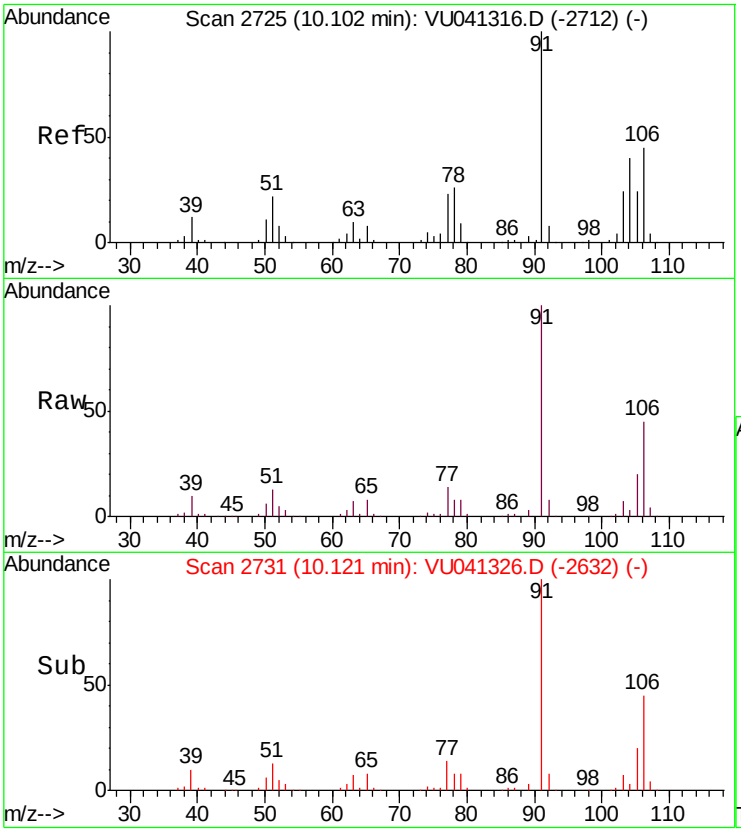


#53
m,p-Xylene
Concen: 8.040 ug/L
RT: 9.72 min Scan# 2606
Delta R.T. 0.02 min
Lab File: VU041326.D
Acq: 18 Nov 2020 21:00

Tgt Ion:106 Resp: 57733

Ion	Ratio	Lower	Upper
106	100		
91	215.9	150.9	280.3



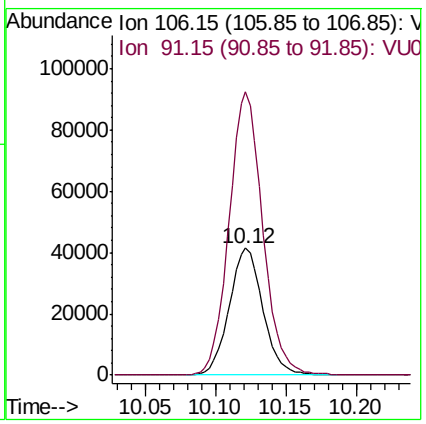


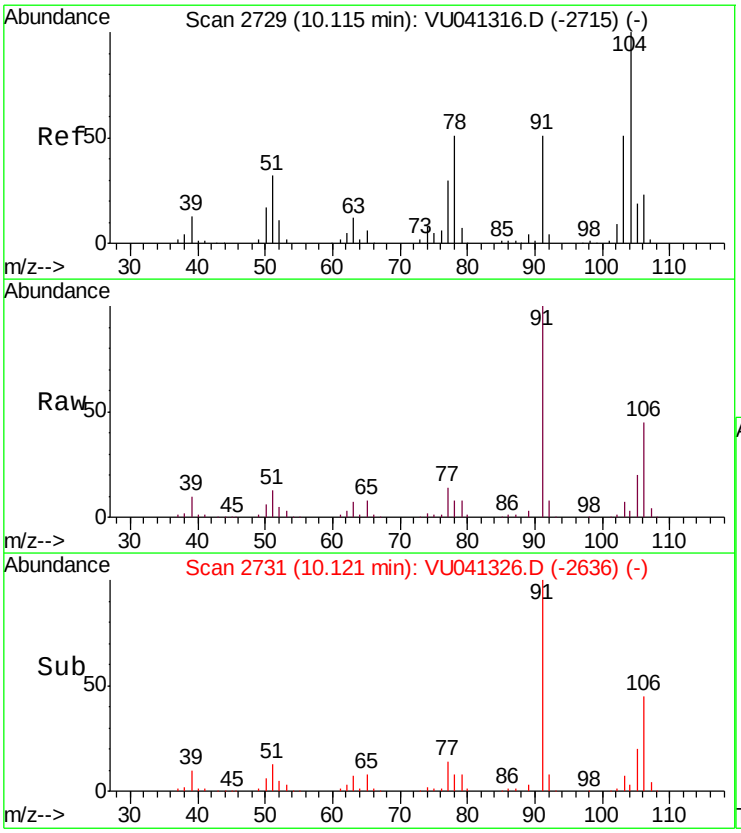
#54
o-Xylene
Concen: 10.003 ug/L
RT: 10.12 min Scan# 2731
Delta R.T. 0.02 min
Lab File: VU041326.D
Acq: 18 Nov 2020 21:00

Instrument : MSVOA_U
ClientSampleId : H4430

Tgt Ion:106 Resp: 69188

Ion	Ratio	Lower	Upper
106	100		
91	222.6	154.3	286.5

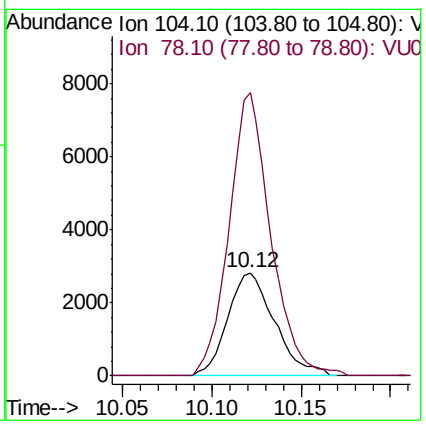


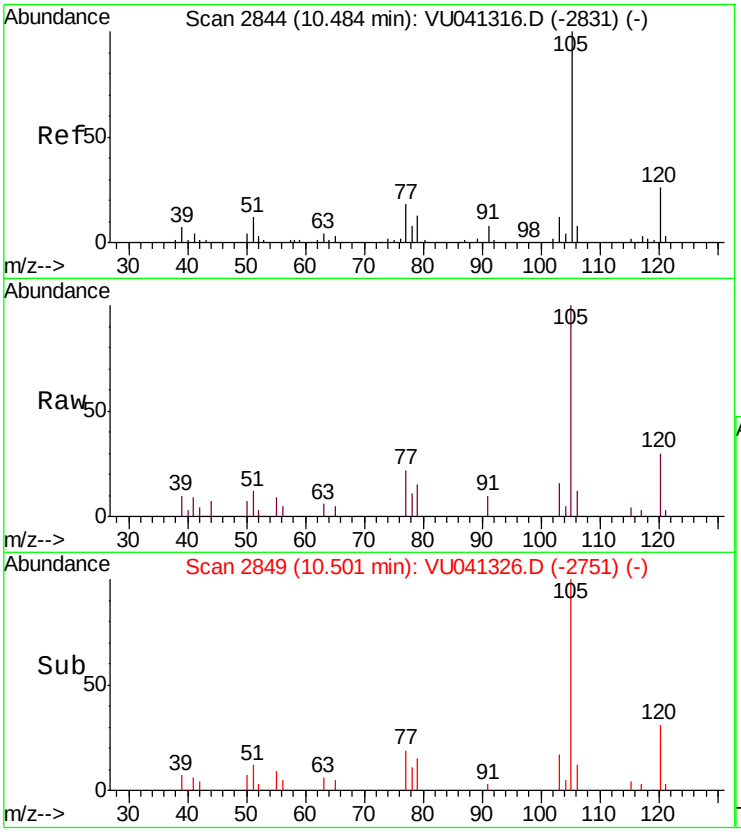


#55
Styrene
Concen: 0.424 ug/L
RT: 10.12 min Scan# 2731
Delta R.T. 0.01 min
Lab File: VU041326.D
Acq: 18 Nov 2020 21:00

Tgt Ion:104 Resp: 5187

Ion	Ratio	Lower	Upper
104	100		
78	274.0	35.5	65.9#



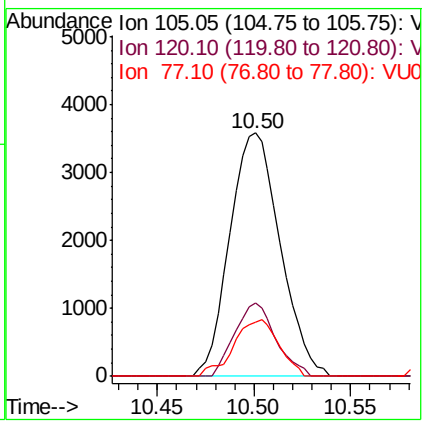


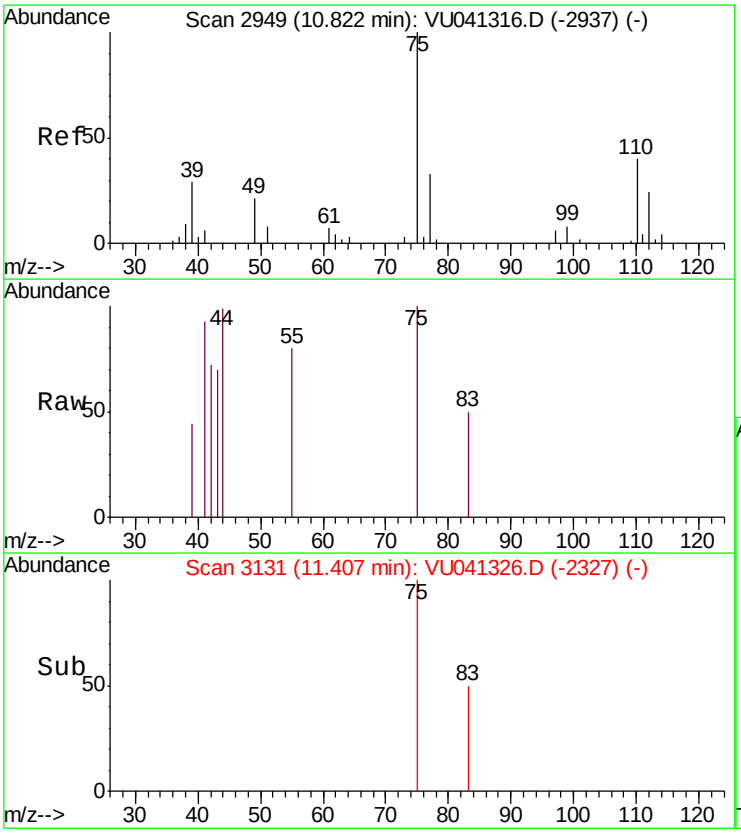
#56
Isopropylbenzene
Concen: 0.354 ug/L
RT: 10.50 min Scan# 2849
Delta R.T. 0.02 min
Lab File: VU041326.D
Acq: 18 Nov 2020 21:00

Instrument : MSVOA_U
ClientSampleId : H4430

Tgt Ion:105 Resp: 6492

Ion	Ratio	Lower	Upper
105	100		
120	24.6	20.7	31.1
77	20.8	13.8	20.6#

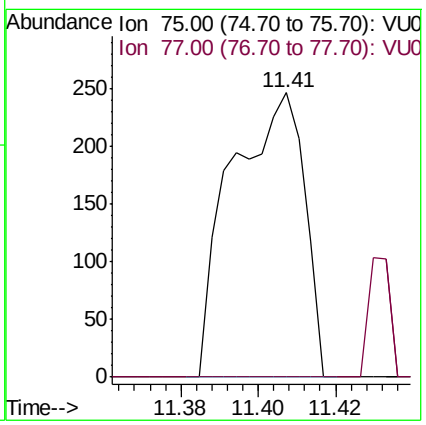


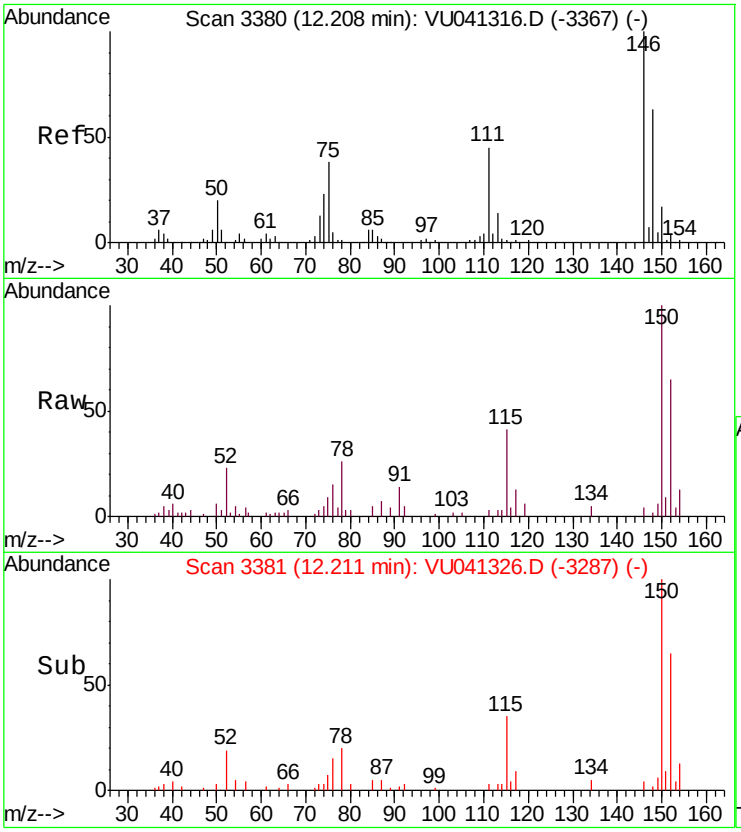


#59
1,2,3-Trichloropropane
Concen: 0.080 ug/L
RT: 11.41 min Scan# 3131
Delta R.T. 0.59 min
Lab File: VU041326.D
Acq: 18 Nov 2020 21:00

Tgt Ion: 75 Resp: 322

Ion	Ratio	Lower	Upper
75	100		
77	482.3	25.7	38.5#



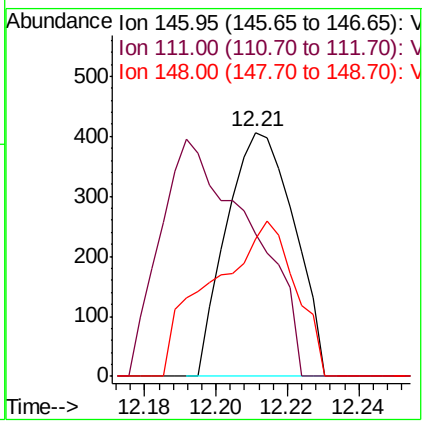


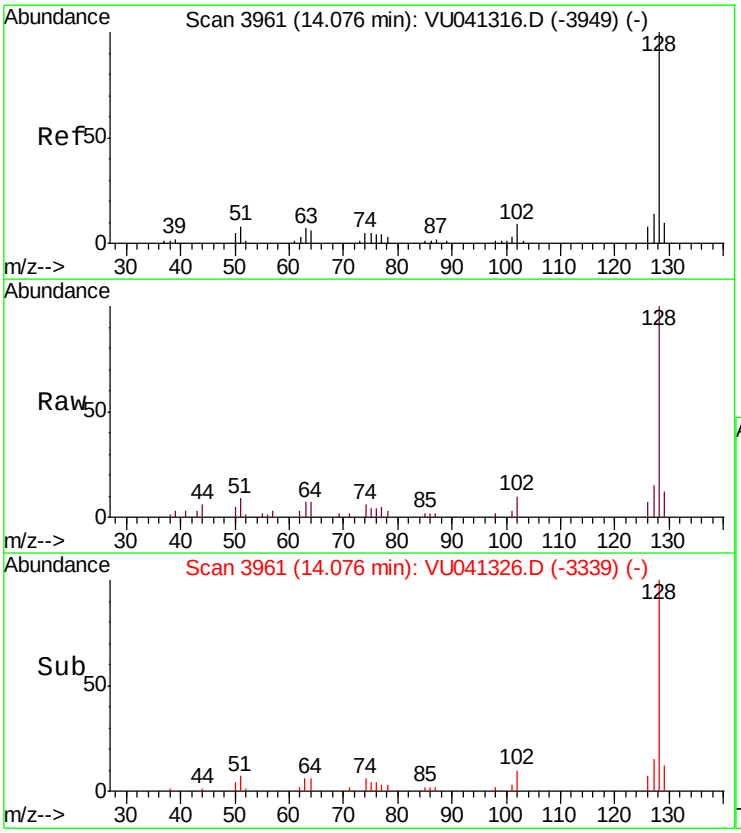
#65
1,2-Dichlorobenzene
Concen: 0.056 ug/L
RT: 12.21 min Scan# 3381
Delta R.T. 0.00 min
Lab File: VU041326.D
Acq: 18 Nov 2020 21:00

Instrument : MSVOA_U
ClientSampleId : H4430

Tgt Ion:146 Resp: 533

Ion	Ratio	Lower	Upper
146	100		
111	58.6	35.0	52.6#
148	56.4	52.0	78.0





#69
Naphthalene
Concen: 1.431 ug/L
RT: 14.08 min Scan# 3961
Delta R.T. 0.00 min
Lab File: VU041326.D
Acq: 18 Nov 2020 21:00

Tgt Ion:128 Resp: 13143

Ion	Ratio	Lower	Upper
128	100		
129	10.4	8.7	13.1
127	13.4	10.8	16.2