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

Quantitation Report (Not Reviewed)

Data File : VU041332.D
Acq On : 18 Nov 2020 23:23
Operator : SY/MD
Sample : L4790-16
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H4402

Quant Time: Nov 19 00:54:29 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	6.26	114	64559	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	65206	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	26078	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.60	65	21696	4.57	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 91.40%			
7) Chloroethane-d5	1.92	69	18108	4.46	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 89.20%			
11) 1,1-Dichloroethene-d2	2.58	63	34842	3.55	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 71.00%			
20) 2-Butanone-d5	4.67	46	96655	49.36	ug/L	0.00
Spiked Amount 50.000	Range 40 - 130		Recovery = 98.72%			
24) Chloroform-d	5.08	84	50166	4.88	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 97.60%			
26) 1,2-Dichloroethane-d4	5.72	65	31743	4.74	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 94.80%			
32) Benzene-d6	5.74	84	86418	4.92	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 98.40%			
36) 1,2-Dichloropropane-d6	6.70	67	29491	4.87	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 97.40%			
41) Toluene-d8	7.90	98	71385	4.31	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 86.20%			
43) trans-1,3-Dichloropropene-	8.19	79	11377	4.36	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 87.20%			
46) 2-Hexanone-d5	8.64	63	65808	47.25	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 94.50%			
57) 1,1,2,2-Tetrachloroethane-	10.75	84	26370	4.49	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 89.80%			
64) 1,2-Dichlorobenzene-d4	12.19	152	26939	5.29	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 105.80%			
Target Compounds						Qvalue
3) Chloromethane	1.52	50	461	0.080	ug/L #	74
5) Vinyl chloride	1.61	62	233258	41.620	ug/L	99
8) Chloroethane	1.82	64	14970	4.024	ug/L #	53
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	210	0.044	ug/L #	22
12) 1,1-Dichloroethene	2.58	96	391	0.093	ug/L #	1
14) Carbon disulfide	2.81	76	2879	0.233	ug/L #	93
15) Methyl Acetate	3.05	43	1845	0.684	ug/L #	53
17) Methyl tert-butyl Ether	3.38	73	2106	0.183	ug/L #	1
18) trans-1,2-Dichloroethene	3.37	96	2988	0.730	ug/L	89
19) 1,1-Dichloroethane	3.89	63	2394	0.262	ug/L #	88
22) cis-1,2-Dichloroethene	4.69	96	150183	32.490	ug/L	100
27) 1,2-Dichloroethane	5.74	62	515	0.072	ug/L #	74
30) Cyclohexane	5.40	56	1357	0.206	ug/L #	61
33) Benzene	5.79	78	5446	0.308	ug/L	100
34) Trichloroethene	6.56	95	1422	0.298	ug/L	90
35) Methylcyclohexane	6.70	83	7058	1.112	ug/L #	13
37) 1,2-Dichloropropane	6.70	63	3484	0.675	ug/L #	86

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

Quantitation Report (Not Reviewed)

Data File : VU041332.D
Acq On : 18 Nov 2020 23:23
Operator : SY/MD
Sample : L4790-16
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H4402

Quant Time: Nov 19 00:54:29 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)
39) cis-1,3-Dichloropropene	7.57	75	756	0.105	ug/L	#	76
42) Toluene	7.98	91	922	0.049	ug/L		90
44) trans-1,3-Dichloropropene	8.19	75	447	0.066	ug/L	#	52
59) 1,2,3-Trichloropropane	11.80	75	3341	0.820	ug/L	#	77

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

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

Quantitation Report (Not Reviewed)

Data File : VU041332.D
Acq On : 18 Nov 2020 23:23
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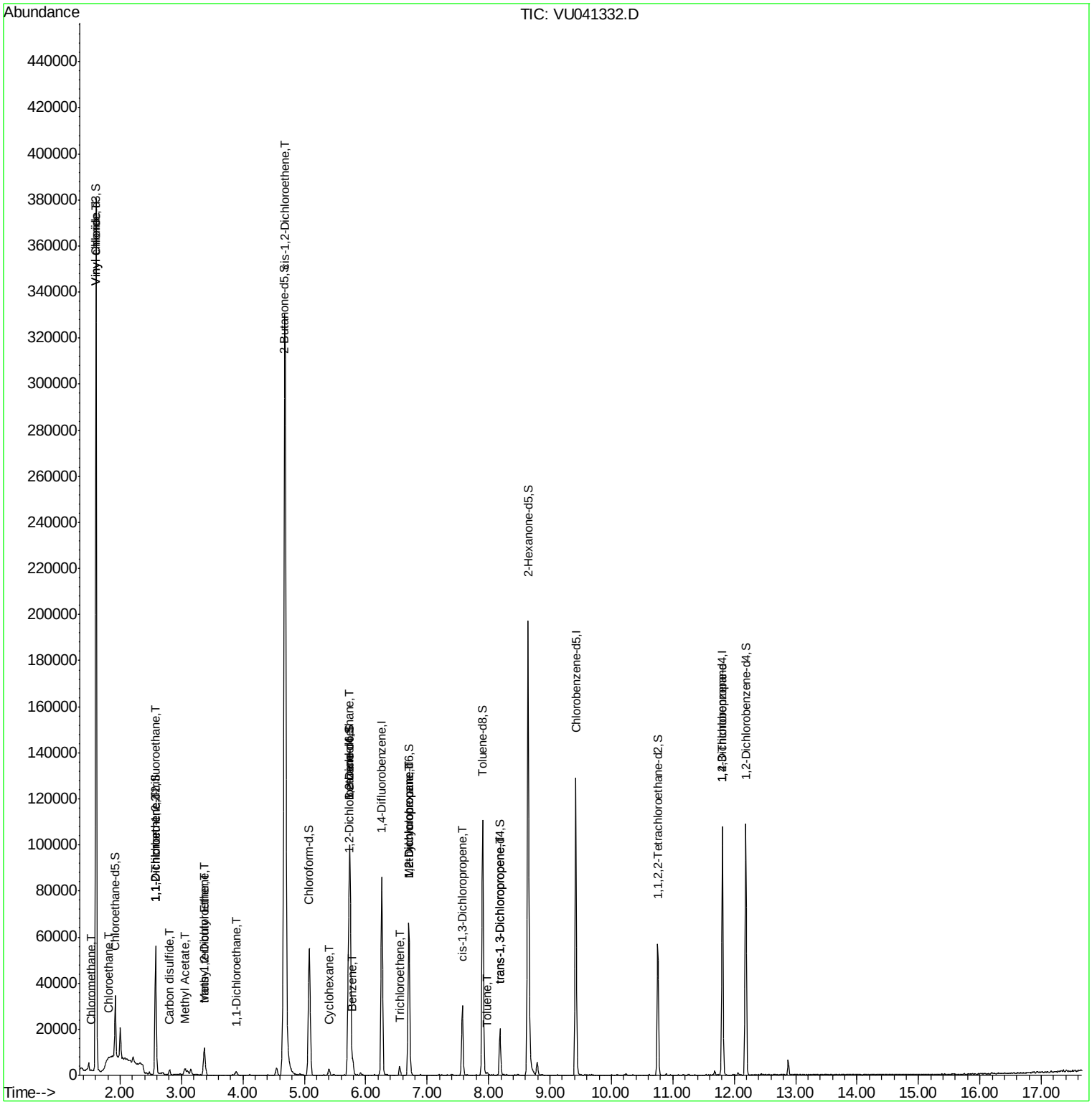
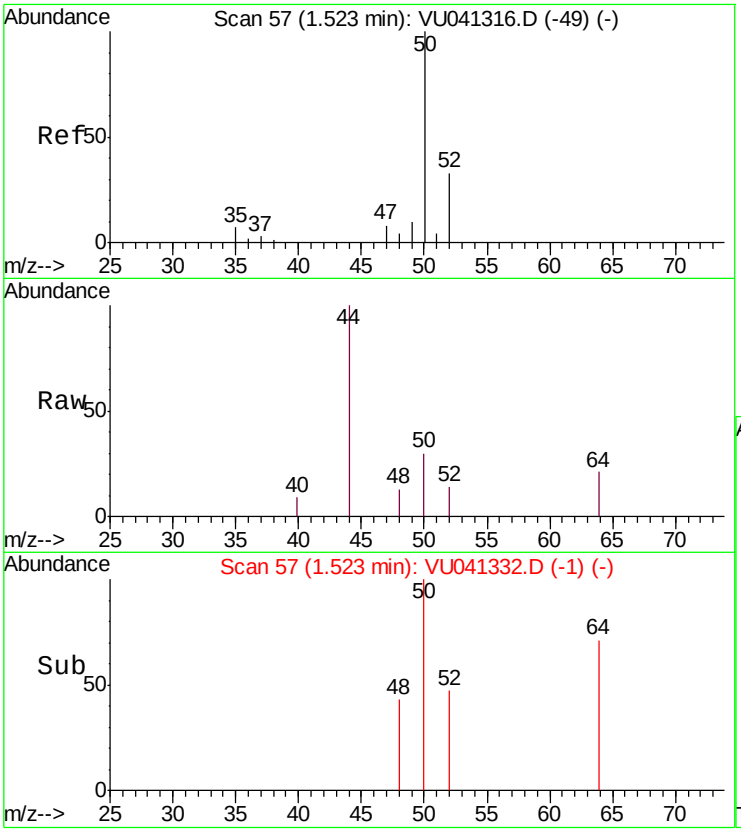
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Nov 19 00:50:13 2020
Response via : Initial Calibration



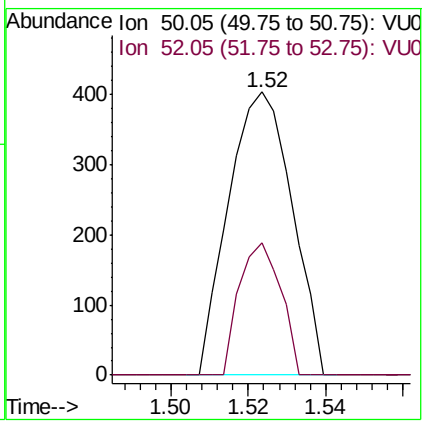


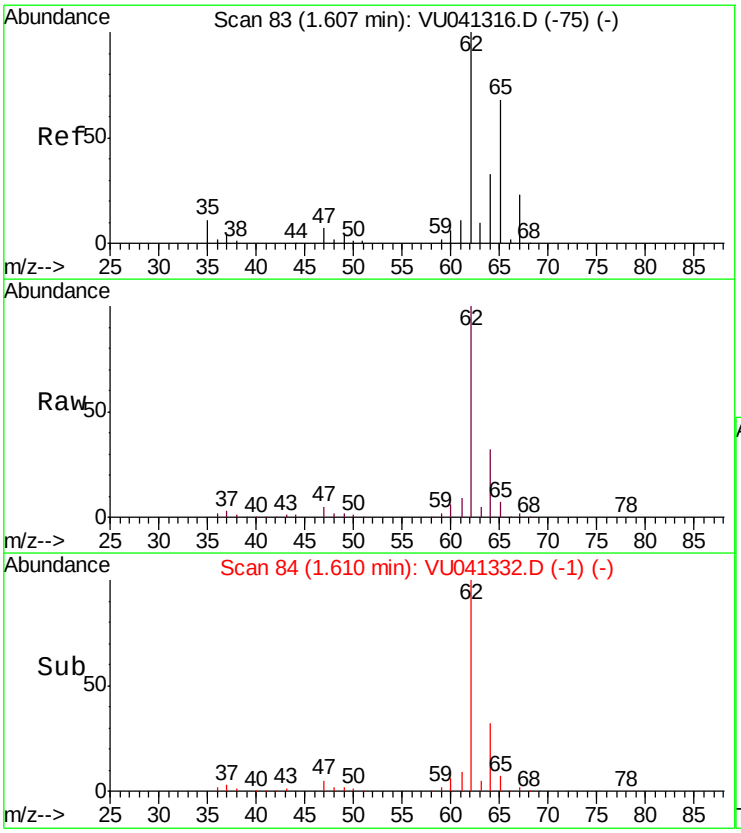
#3
Chloromethane
Concen: 0.080 ug/L
RT: 1.52 min Scan# 57
Delta R.T. -0.00 min
Lab File: VU041332.D
Acq: 18 Nov 2020 23:23

Instrument :
MSVOA_U
ClientSampleId :
H4402

Tgt Ion: 50 Resp: 461

Ion	Ratio	Lower	Upper
50	100		
52	46.7	22.4	41.6#

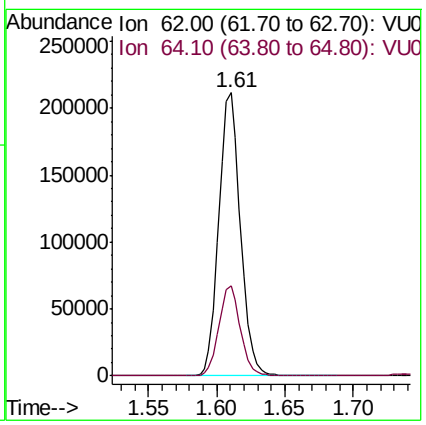


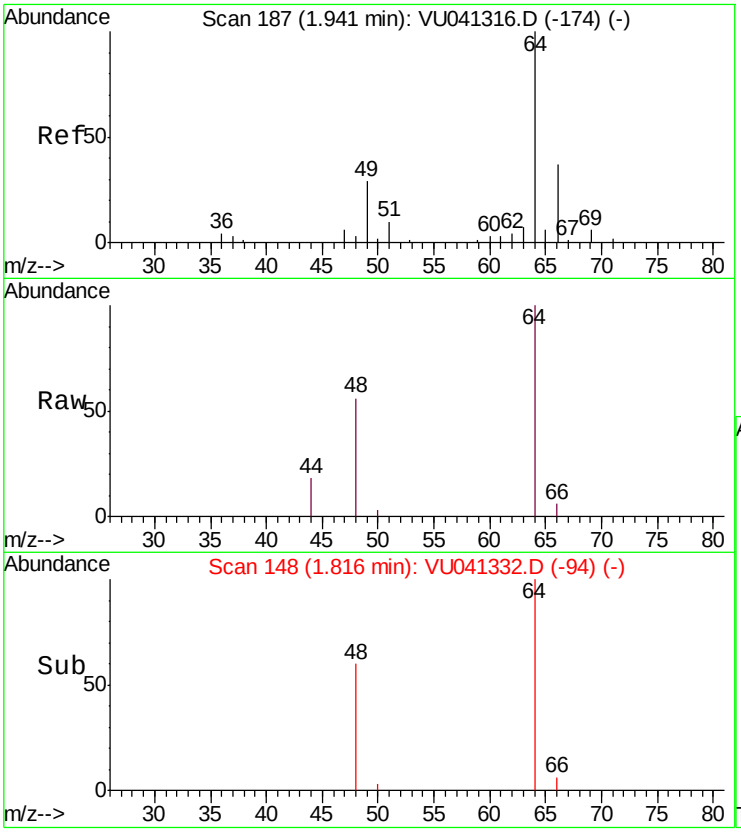


#5
Vinyl chloride
Concen: 41.620 ug/L
RT: 1.61 min Scan# 84
Delta R.T. 0.00 min
Lab File: VU041332.D
Acq: 18 Nov 2020 23:23

Tgt Ion: 62 Resp: 233258

Ion	Ratio	Lower	Upper
62	100		
64	31.7	22.7	42.3



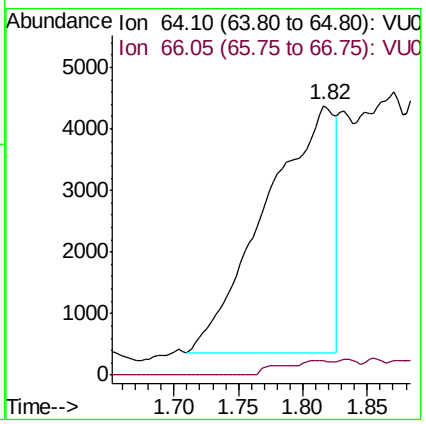


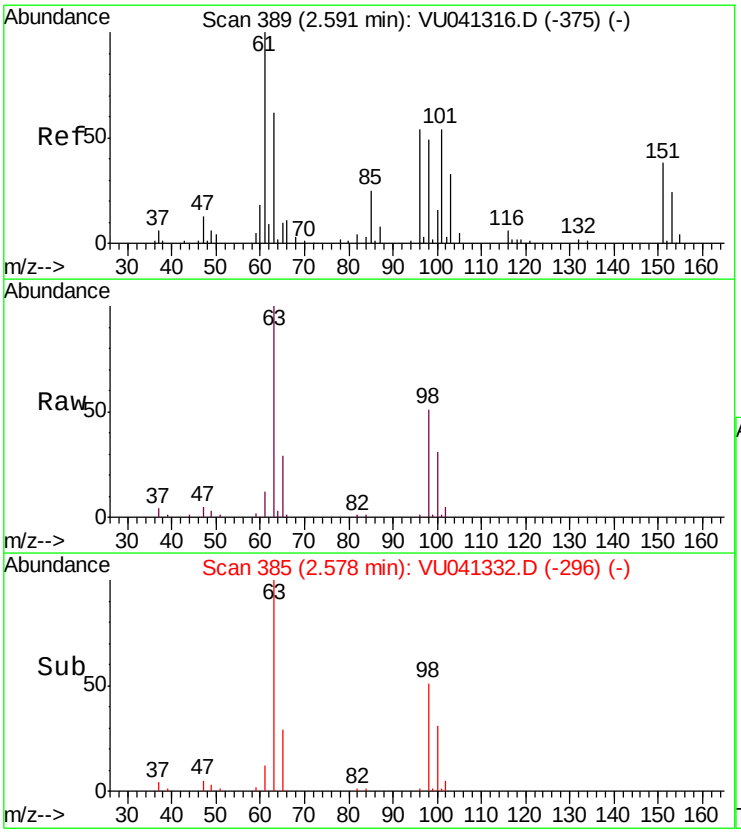
#8
Chloroethane
Concen: 4.024 ug/L
RT: 1.82 min Scan# 148
Delta R.T. -0.13 min
Lab File: VU041332.D
Acq: 18 Nov 2020 23:23

Instrument :
MSVOA_U
ClientSampleId :
H4402

Tgt Ion: 64 Resp: 14970

Ion	Ratio	Lower	Upper
64	100		
66	5.5	22.3	41.5#

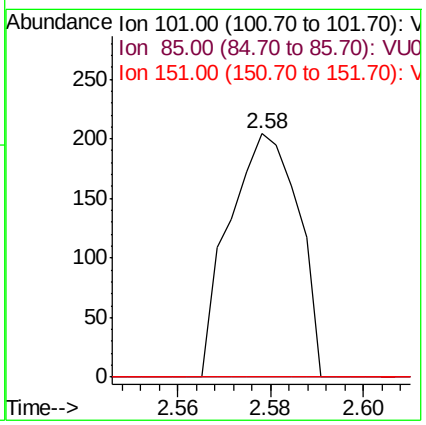


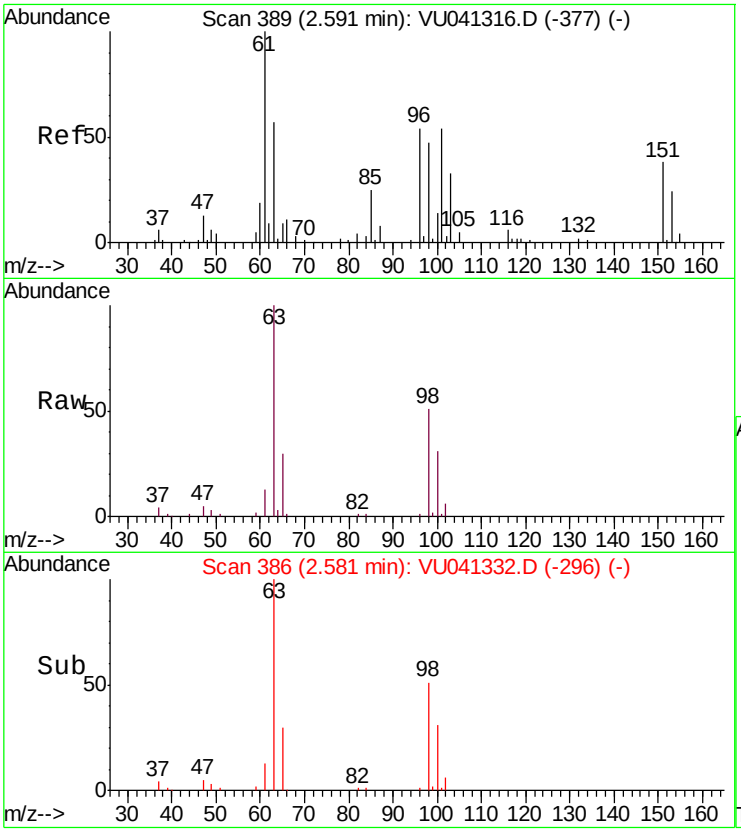


#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.044 ug/L
RT: 2.58 min Scan# 385
Delta R.T. -0.01 min
Lab File: VU041332.D
Acq: 18 Nov 2020 23:23

Tgt Ion:101 Resp: 210

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



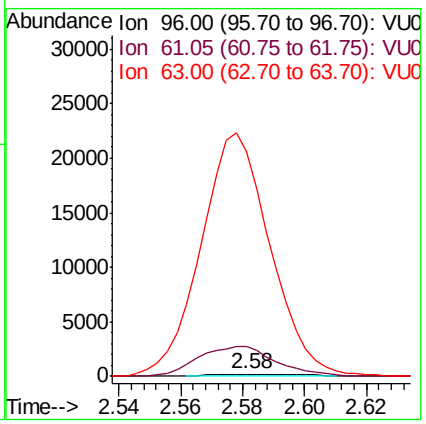


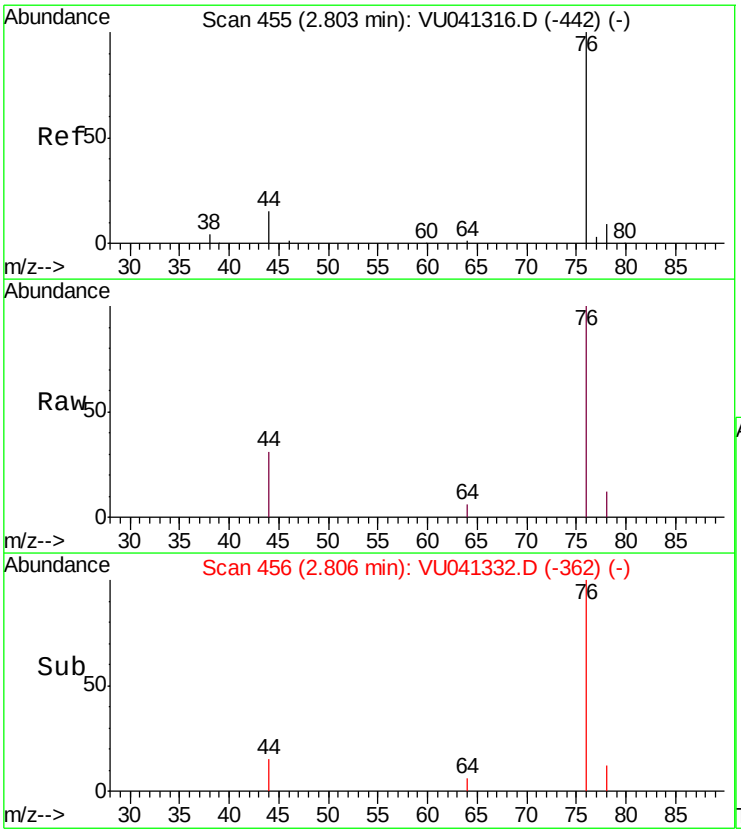
#12
1,1-Dichloroethene
Concen: 0.093 ug/L
RT: 2.58 min Scan# 386
Delta R.T. -0.01 min
Lab File: VU041332.D
Acq: 18 Nov 2020 23:23

Instrument : MSVOA_U
ClientSampleId : H4402

Tgt Ion: 96 Resp: 391

Ion	Ratio	Lower	Upper
96	100		
61	1302.8	134.3	249.5#
63	9675.1	95.0	176.4#

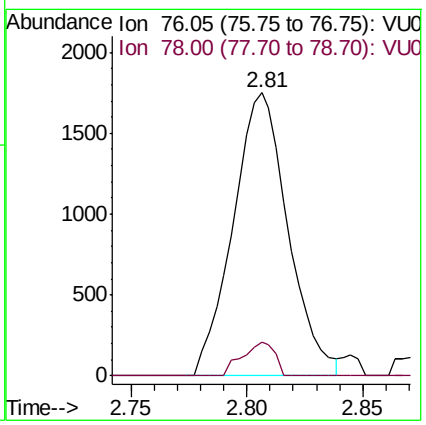


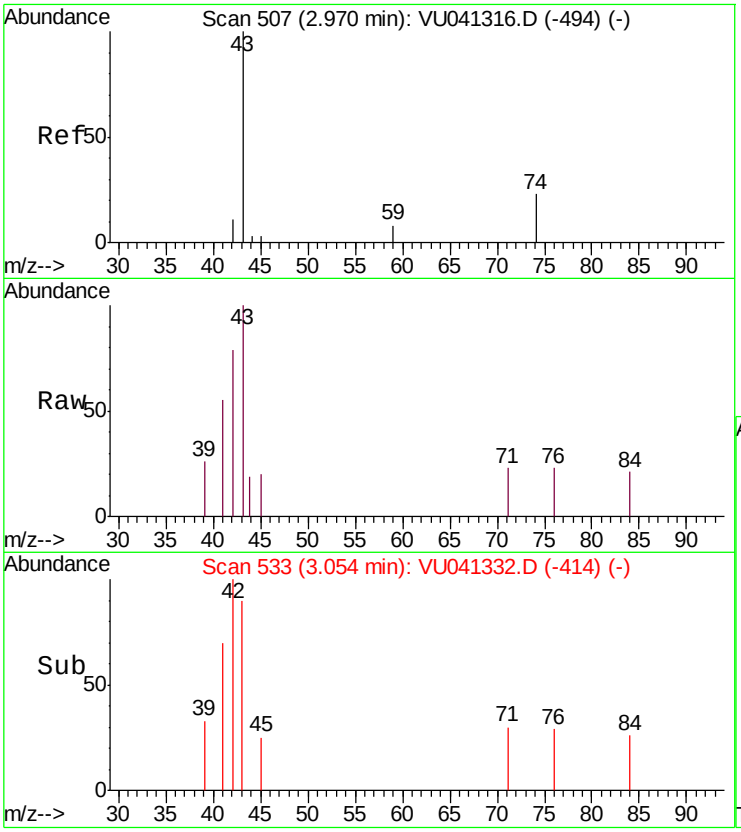


#14
Carbon disulfide
Concen: 0.233 ug/L
RT: 2.81 min Scan# 456
Delta R.T. 0.00 min
Lab File: VU041332.D
Acq: 18 Nov 2020 23:23

Tgt Ion: 76 Resp: 2879

Ion	Ratio	Lower	Upper
76	100		
78	12.0	7.5	11.3#



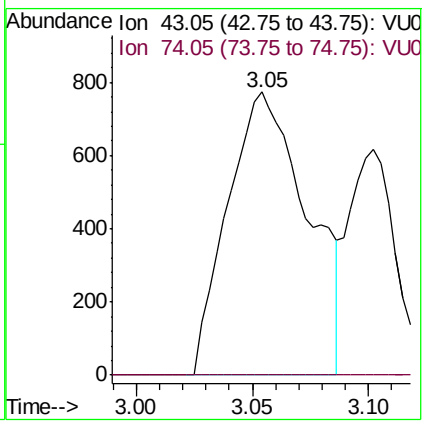


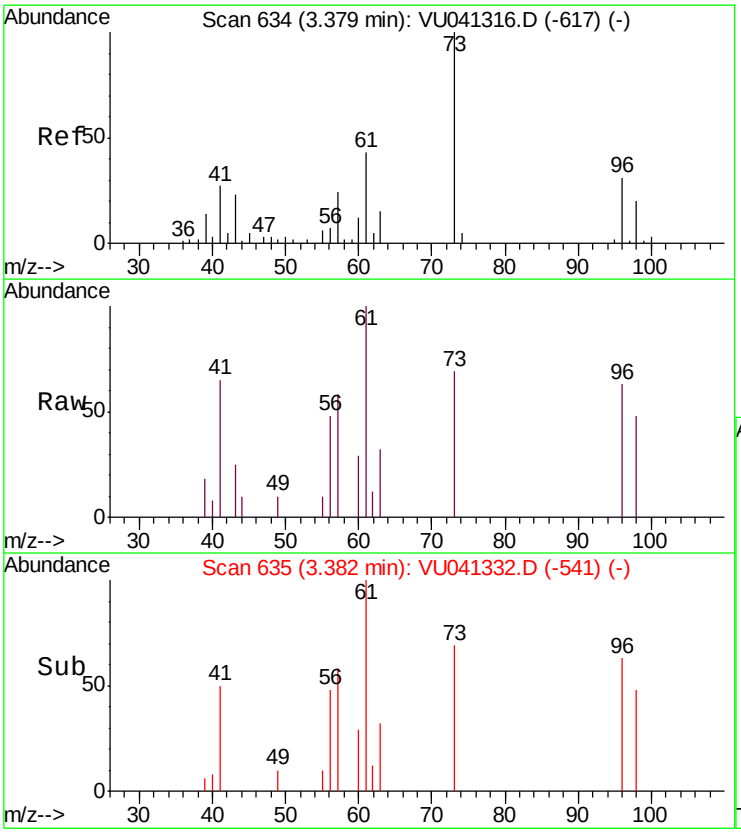
#15
Methyl Acetate
Concen: 0.684 ug/L
RT: 3.05 min Scan# 533
Delta R.T. 0.08 min
Lab File: VU041332.D
Acq: 18 Nov 2020 23:23

Instrument : MSVOA_U
ClientSampleId : H4402

Tgt Ion: 43 Resp: 1845

Ion	Ratio	Lower	Upper
43	100		
74	0.0	18.3	27.5#

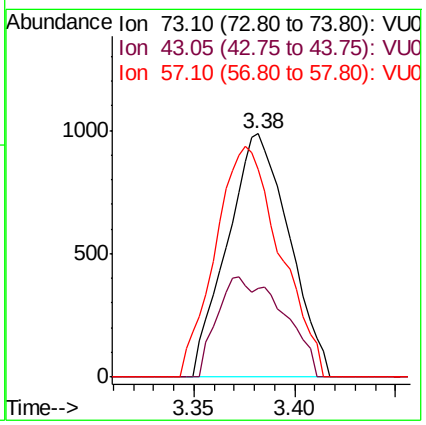


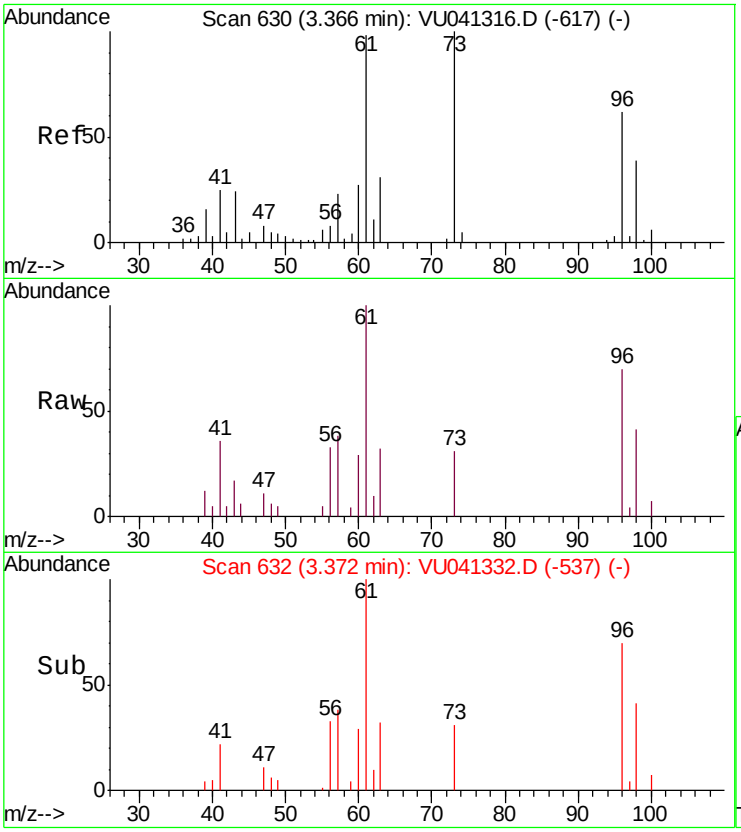


#17
Methyl tert-butyl Ether
Concen: 0.183 ug/L
RT: 3.38 min Scan# 635
Delta R.T. 0.00 min
Lab File: VU041332.D
Acq: 18 Nov 2020 23:23

Tgt Ion: 73 Resp: 2106

Ion	Ratio	Lower	Upper
73	100		
43	43.7	18.5	27.7#
57	99.4	18.4	27.6#



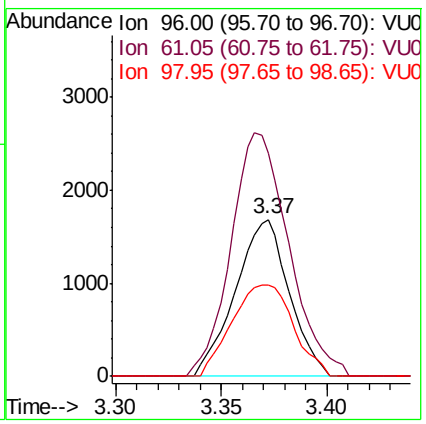


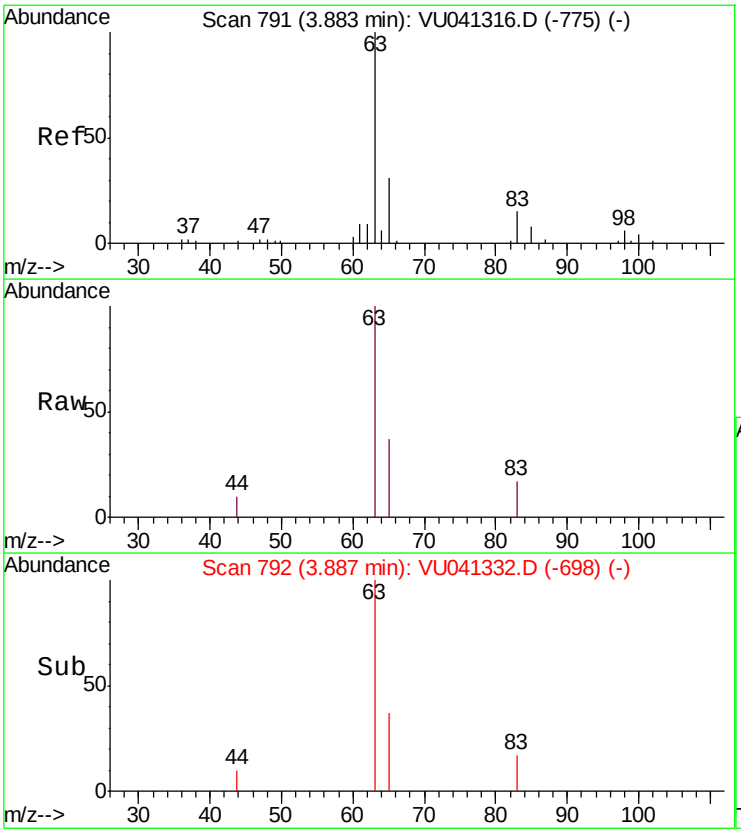
#18
trans-1,2-Dichloroethene
Concen: 0.730 ug/L
RT: 3.37 min Scan# 632
Delta R.T. 0.01 min
Lab File: VU041332.D
Acq: 18 Nov 2020 23:23

Instrument :
MSVOA_U
ClientSampleId :
H4402

Tgt Ion: 96 Resp: 2988

Ion	Ratio	Lower	Upper
96	100		
61	142.1	110.9	205.9
98	58.4	45.4	84.2

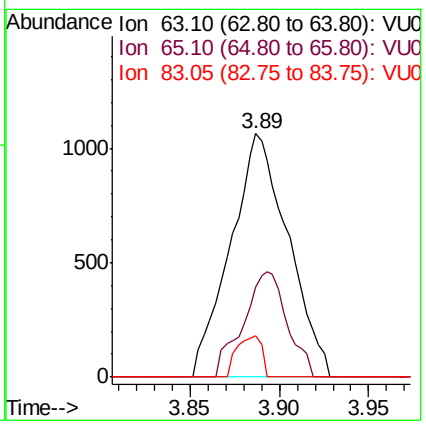


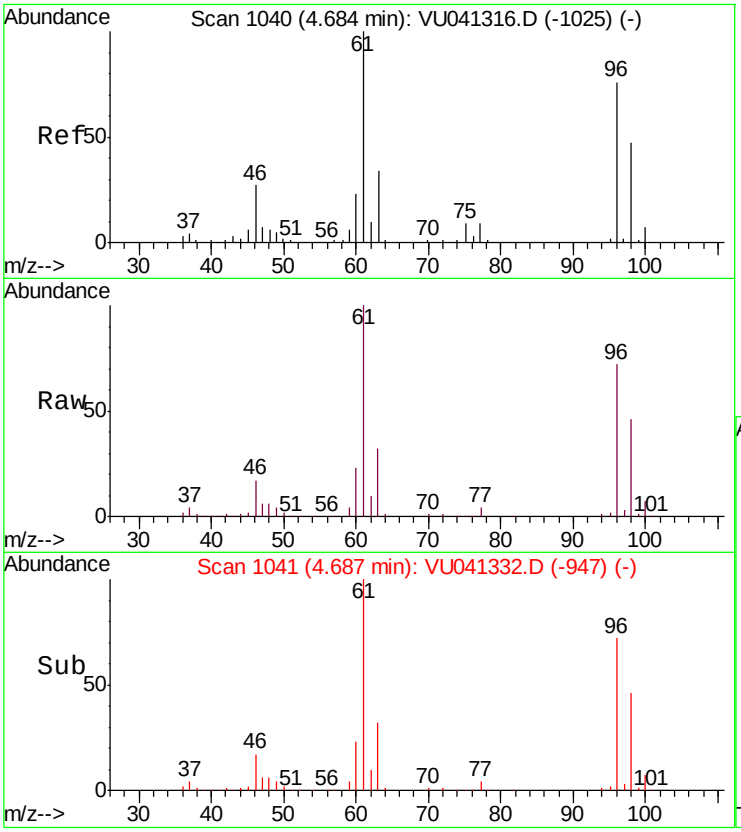


#19
1,1-Dichloroethane
Concen: 0.262 ug/L
RT: 3.89 min Scan# 792
Delta R.T. 0.00 min
Lab File: VU041332.D
Acq: 18 Nov 2020 23:23

Tgt Ion: 63 Resp: 2394

Ion	Ratio	Lower	Upper
63	100		
65	37.0	21.3	39.6
83	17.0	8.8	16.3#



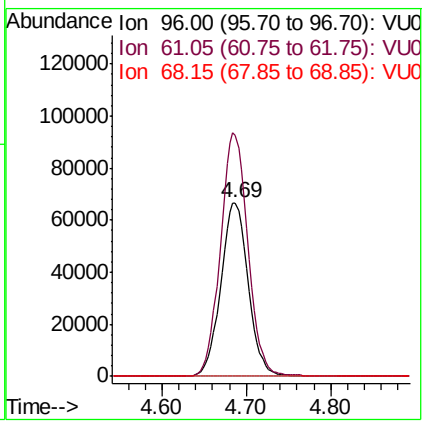


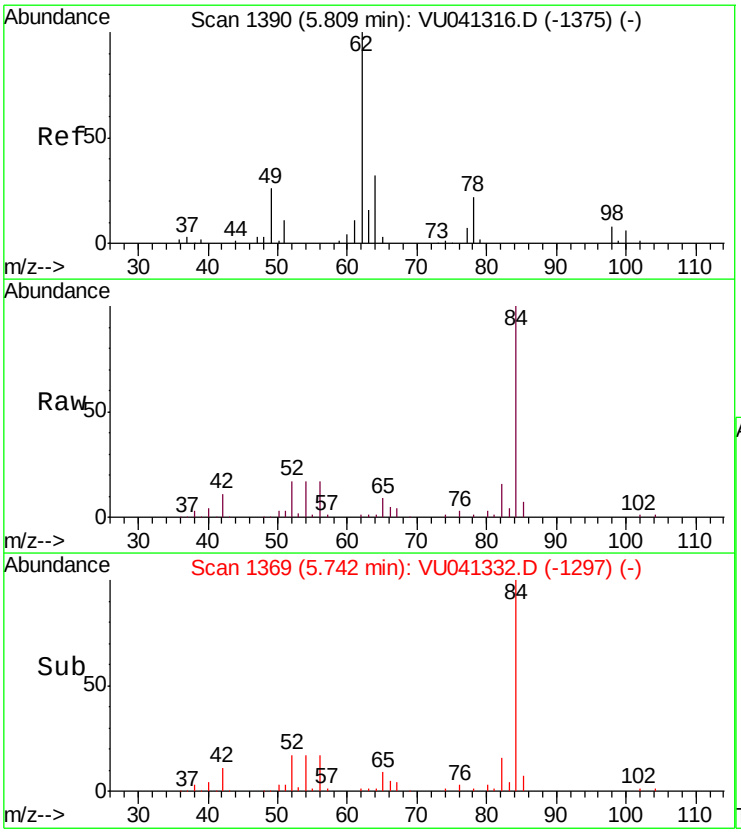
#22
cis-1,2-Dichloroethene
Concen: 32.490 ug/L
RT: 4.69 min Scan# 1041
Delta R.T. 0.00 min
Lab File: VU041332.D
Acq: 18 Nov 2020 23:23

Instrument : MSVOA_U
ClientSampleId : H4402

Tgt Ion: 96 Resp: 150183

Ion	Ratio	Lower	Upper
96	100		
61	139.3	97.2	180.4
68	0.0	0.0	0.0

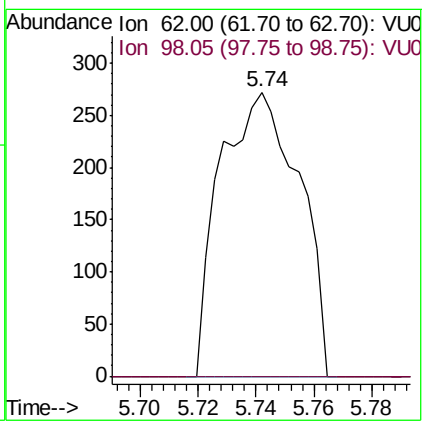


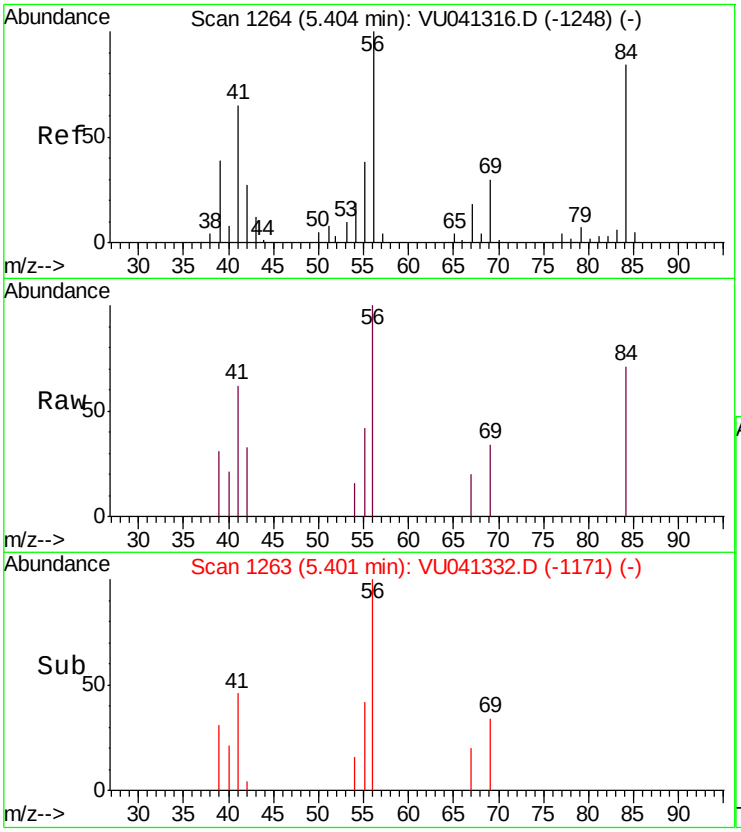


#27
1,2-Dichloroethane
Concen: 0.072 ug/L
RT: 5.74 min Scan# 1369
Delta R.T. -0.07 min
Lab File: VU041332.D
Acq: 18 Nov 2020 23:23

Tgt Ion: 62 Resp: 515

Ion	Ratio	Lower	Upper
62	100		
98	0.0	7.6	11.4#



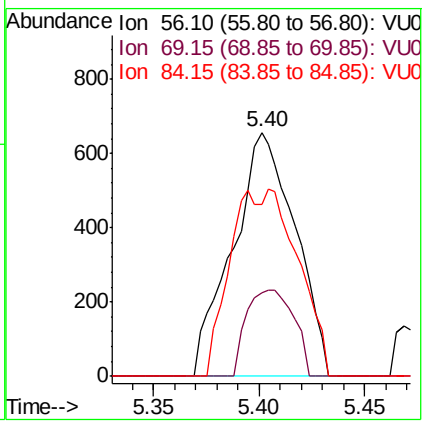


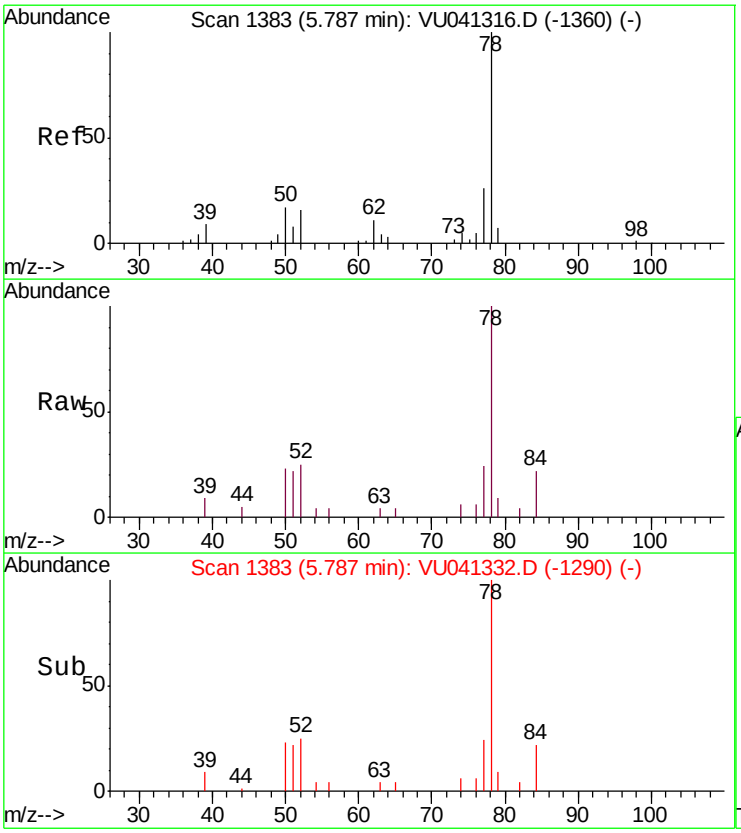
#30
Cyclohexane
Concen: 0.206 ug/L
RT: 5.40 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VU041332.D
Acq: 18 Nov 2020 23:23

Instrument : MSVOA_U
ClientSampleId : H4402

Tgt Ion: 56 Resp: 1357

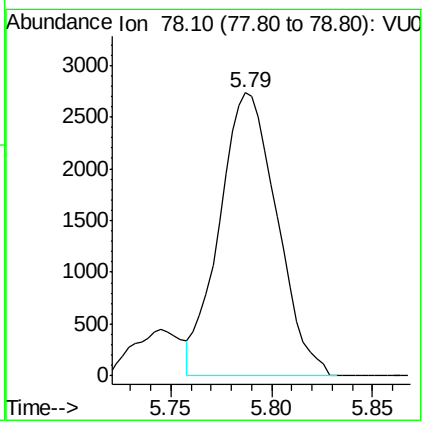
Ion	Ratio	Lower	Upper
56	100		
69	26.7	22.8	34.2
84	34.2	63.6	95.4#

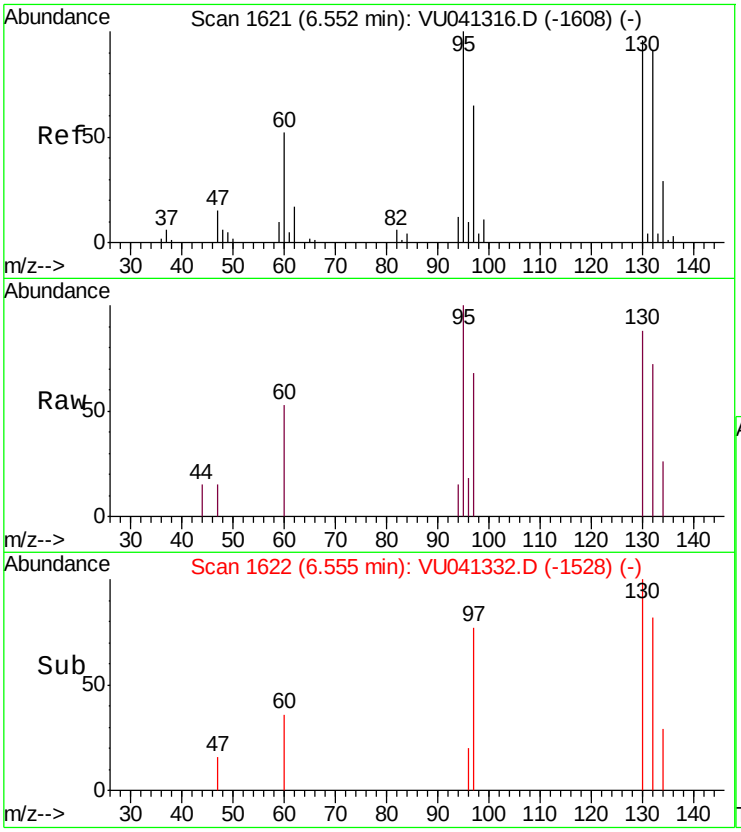




#33
Benzene
Concen: 0.308 ug/L
RT: 5.79 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VU041332.D
Acq: 18 Nov 2020 23:23

Tgt Ion: 78 Resp: 5446



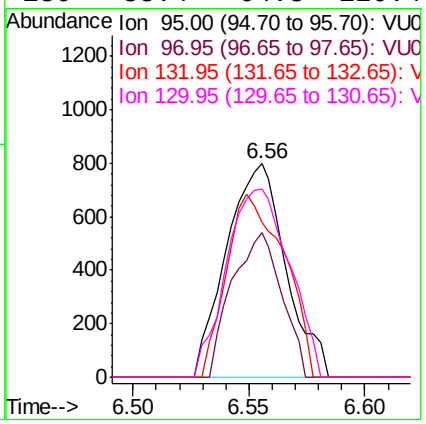


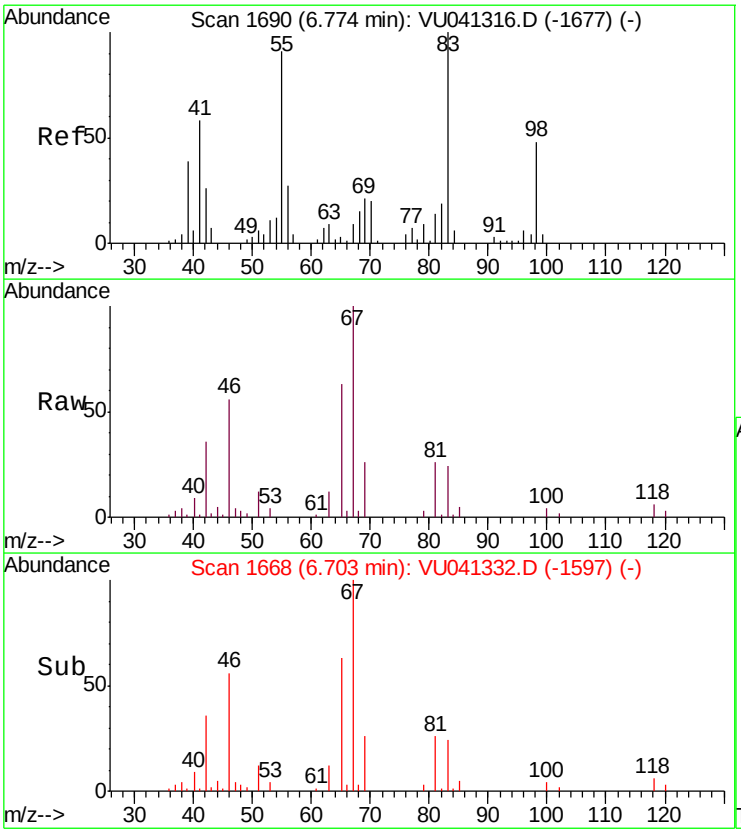
#34
Trichloroethene
Concen: 0.298 ug/L
RT: 6.56 min Scan# 1622
Delta R.T. 0.00 min
Lab File: VU041332.D
Acq: 18 Nov 2020 23:23

Instrument : MSVOA_U
ClientSampleId : H4402

Tgt Ion: 95 Resp: 1422

Ion	Ratio	Lower	Upper
95	100		
97	68.0	45.6	84.6
132	72.2	64.8	120.4
130	88.4	64.8	120.4

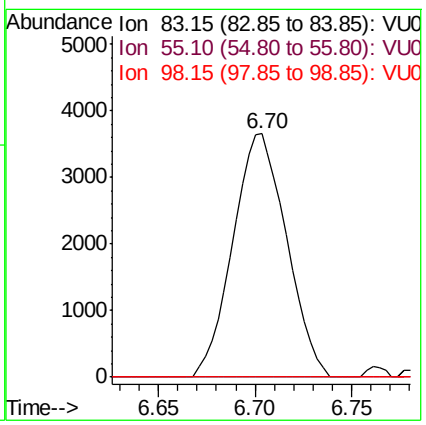


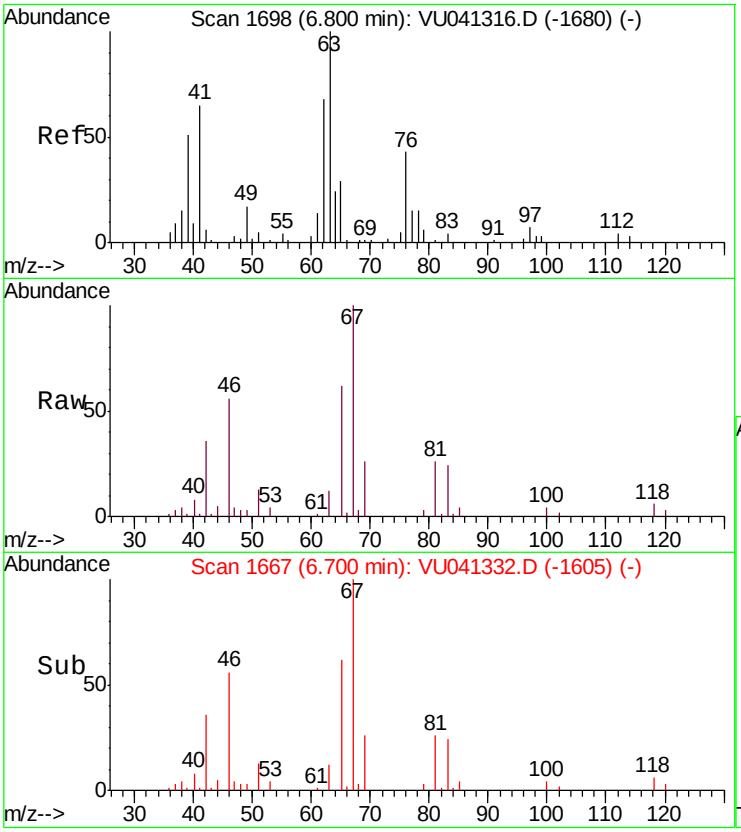


#35
Methylcyclohexane
Concen: 1.112 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU041332.D
Acq: 18 Nov 2020 23:23

Tgt Ion: 83 Resp: 7058

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



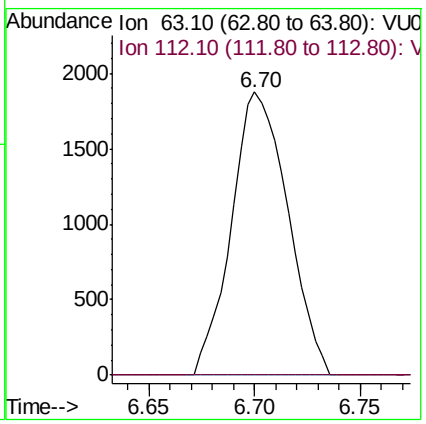


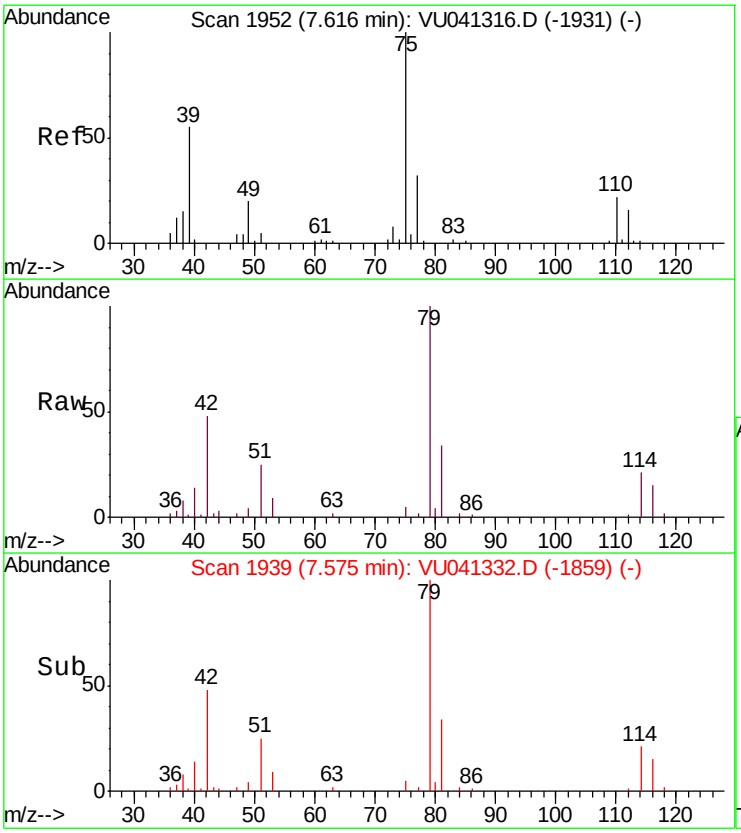
#37
1,2-Dichloropropane
Concen: 0.675 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.10 min
Lab File: VU041332.D
Acq: 18 Nov 2020 23:23

Instrument :
MSVOA_U
ClientSampleId :
H4402

Tgt Ion: 63 Resp: 3484

Ion	Ratio	Lower	Upper
63	100		
112	0.0	3.6	5.4#

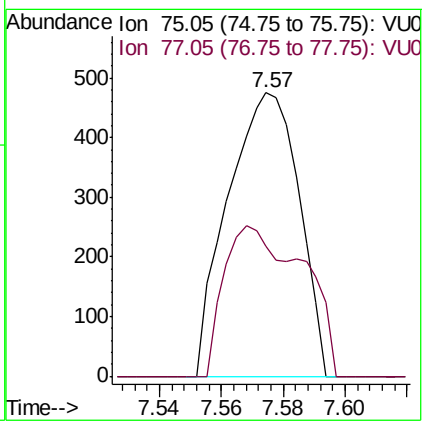


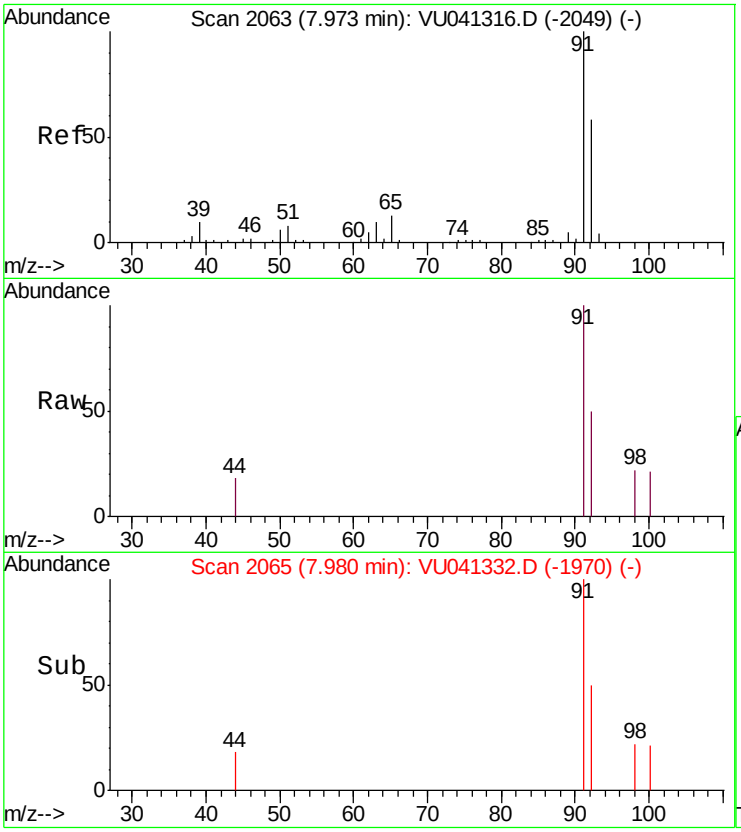


#39
cis-1,3-Dichloropropene
Concen: 0.105 ug/L
RT: 7.57 min Scan# 1939
Delta R.T. -0.04 min
Lab File: VU041332.D
Acq: 18 Nov 2020 23:23

Tgt Ion: 75 Resp: 756

Ion	Ratio	Lower	Upper
75	100		
77	46.1	22.7	42.3#



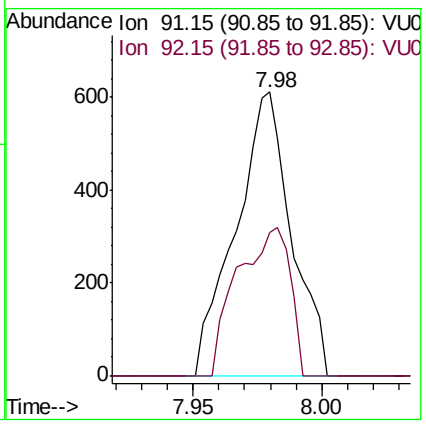


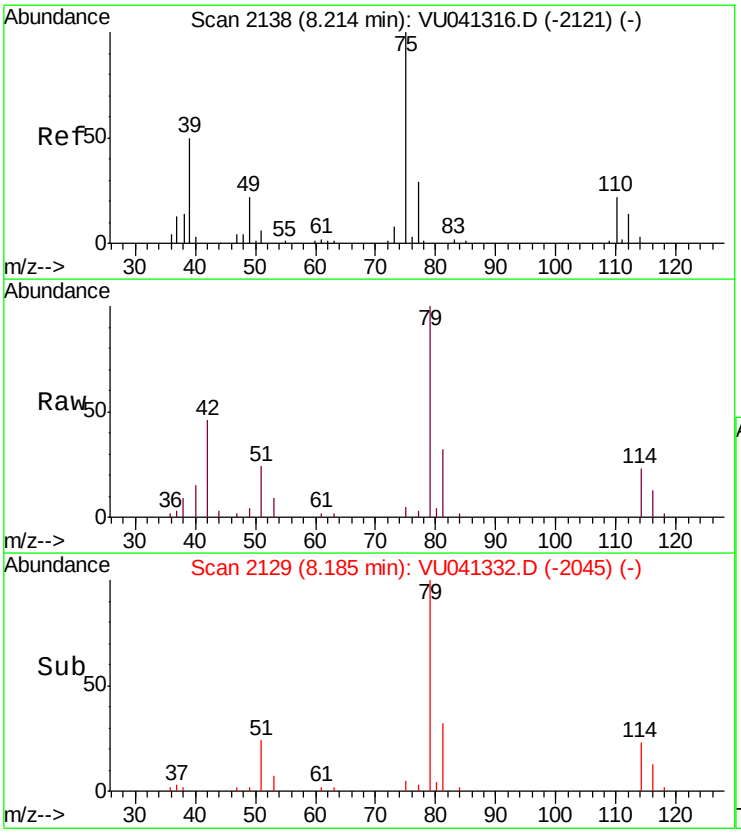
#42
Toluene
Concen: 0.049 ug/L
RT: 7.98 min Scan# 2065
Delta R.T. 0.01 min
Lab File: VU041332.D
Acq: 18 Nov 2020 23:23

Instrument : MSVOA_U
ClientSampleId : H4402

Tgt Ion: 91 Resp: 922

Ion	Ratio	Lower	Upper
91	100		
92	50.2	40.6	75.4

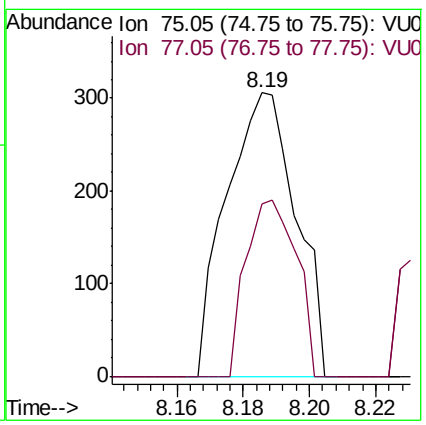


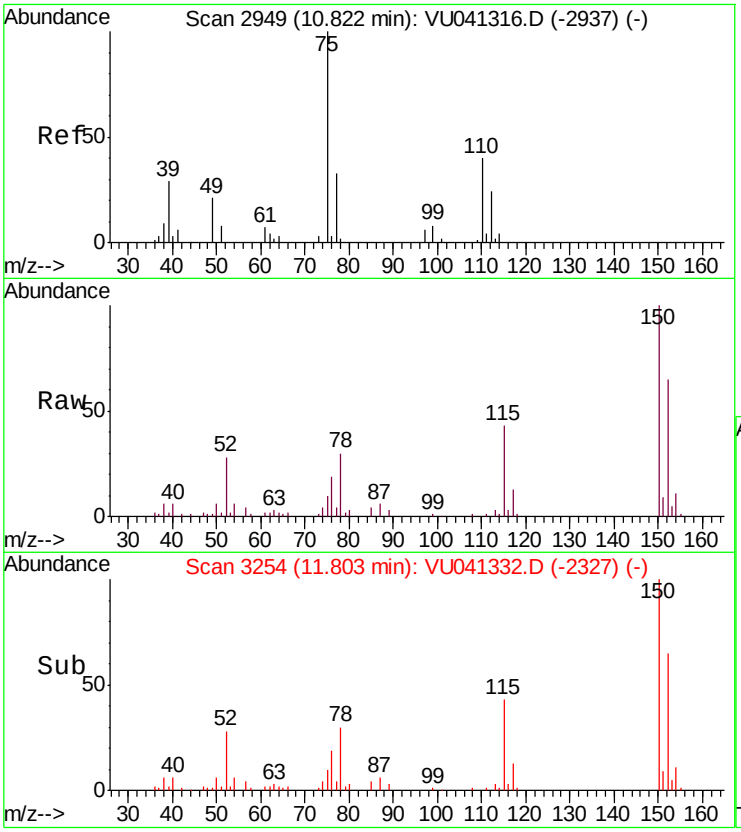


#44
trans-1,3-Dichloropropene
Concen: 0.066 ug/L
RT: 8.19 min Scan# 2129
Delta R.T. -0.03 min
Lab File: VU041332.D
Acq: 18 Nov 2020 23:23

Tgt Ion: 75 Resp: 447

Ion	Ratio	Lower	Upper
75	100		
77	60.8	23.3	43.3#





#59
1,2,3-Trichloropropane
Concen: 0.820 ug/L
RT: 11.80 min Scan# 3254
Delta R.T. 0.98 min
Lab File: VU041332.D
Acq: 18 Nov 2020 23:23

Instrument :
MSVOA_U
ClientSampleId :
H4402

Tgt Ion: 75 Resp: 3341

Ion	Ratio	Lower	Upper
75	100		
77	45.0	25.7	38.5#