Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102419\

Quantitation Report (Not Reviewed)

Data File : VU035463.D
Acq On : 24 Oct 2019 16:55
Operator : JC/SP
Sample : K5488-20DL 4X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0G28DL

Quant Time: Oct 25 07:08:22 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Oct 25 07:04:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	223099	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	227539	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	65008	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.62	65	47938	3.52	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 70.40%			
7) Chloroethane-d5	1.93	69	52452	4.22	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 84.40%			
11) 1,1-Dichloroethene-d2	2.60	63	67237	2.67	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 53.40%#			
20) 2-Butanone-d5	4.71	46	227854	58.29	ug/L	0.00
Spiked Amount 50.000	Range 40 - 130		Recovery = 116.58%			
24) Chloroform-d	5.12	84	119449	4.81	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 96.20%			
26) 1,2-Dichloroethane-d4	5.75	65	70344	5.11	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 102.20%			
32) Benzene-d6	5.77	84	206226	3.96	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 79.20%			
36) 1,2-Dichloropropane-d6	6.74	67	77660	4.70	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 94.00%			
41) Toluene-d8	7.93	98	155993	3.13	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 62.60%#			
43) trans-1,3-Dichloropropene-	8.22	79	26568	3.31	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 66.20%			
46) 2-Hexanone-d5	8.68	63	142766	40.37	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 80.74%			
57) 1,1,2,2-Tetrachloroethane-	10.79	84	72841	4.95	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 99.00%			
64) 1,2-Dichlorobenzene-d4	12.22	152	50991	4.31	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 86.20%			
Target Compounds						Qvalue
5) Vinyl chloride	1.62	62	59155	3.058	ug/L	92
8) Chloroethane	1.95	64	970	0.078	ug/L #	74
13) Acetone	2.67	43	3602	1.325	ug/L	97
16) Methylene chloride	3.08	84	8534	0.495	ug/L	93
17) Methyl tert-butyl Ether	3.43	73	13251	0.344	ug/L	96
18) trans-1,2-Dichloroethene	3.39	96	68628	4.437	ug/L	94
19) 1,1-Dichloroethane	3.92	63	16222	0.580	ug/L	96
22) cis-1,2-Dichloroethene	4.72	96	4887	0.286	ug/L	96
25) Chloroform	5.14	83	6035	0.197	ug/L	99
33) Benzene	5.82	78	11934	0.178	ug/L	100
35) Methylcyclohexane	6.74	83	18393	0.611	ug/L #	19
37) 1,2-Dichloropropane	6.74	63	8972	0.528	ug/L #	87
48) 2-Hexanone	8.74	43	16798	2.088	ug/L #	93
62) 1,3-Dichlorobenzene	11.77	146	1667	0.075	ug/L	92
63) 1,4-Dichlorobenzene	11.87	146	1890	0.087	ug/L	93
65) 1,2-Dichlorobenzene	12.24	146	1982	0.095	ug/L	92
66) 1,2-Dibromo-3-chloropropan	13.25	75	378	0.257	ug/L #	1

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102419\

Quantitation Report (Not Reviewed)

Data File : VU035463.D
Acq On : 24 Oct 2019 16:55
Operator : JC/SP
Sample : K5488-20DL 4X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0G28DL

Quant Time: Oct 25 07:08:22 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Oct 25 07:04:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
67) 1,3,5-Trichlorobenzene	13.24	180	1801	0.131	ug/L		97
68) 1,2,4-trichlorobenzene	13.86	180	1997	0.218	ug/L	#	95
69) Naphthalene	14.11	128	2837	0.226	ug/L	#	90
70) 1,2,3-Trichlorobenzene	14.36	180	2550	0.298	ug/L		89

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

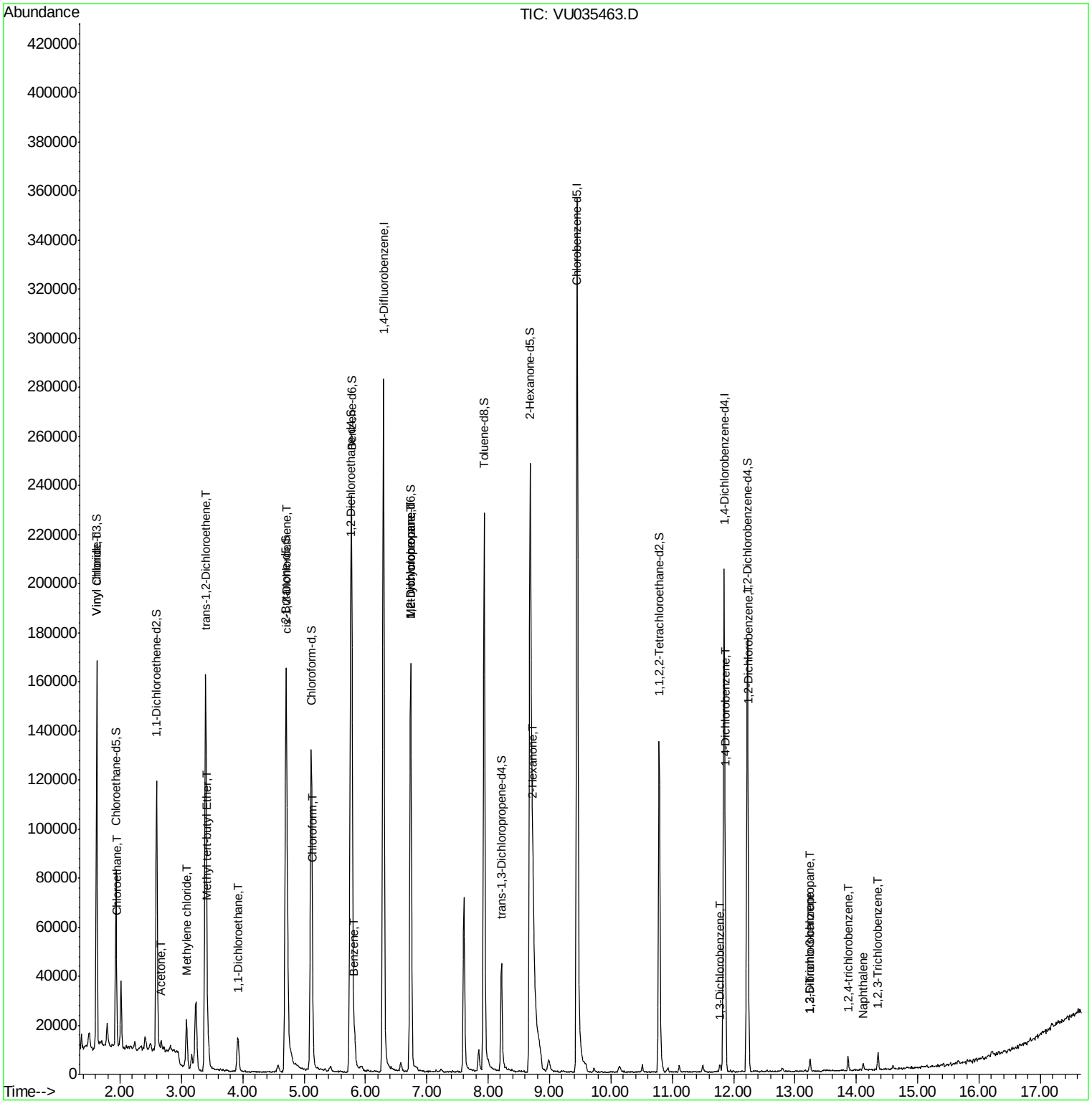
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102419\

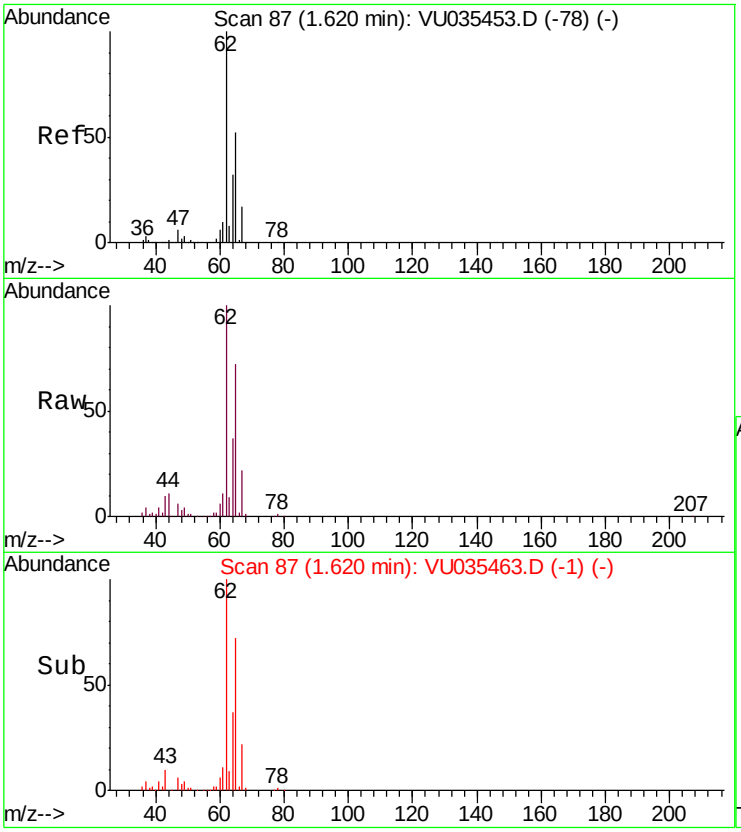
Quantitation Report (Not Reviewed)

Data File : VU035463.D
Acq On : 24 Oct 2019 16:55
Operator : JC/SP
Sample : K5488-20DL 4X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0G28DL

Quant Time: Oct 25 07:08:22 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Oct 25 07:04:30 2019
Response via : Initial Calibration



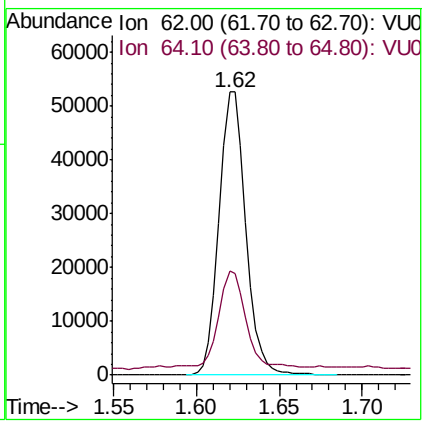


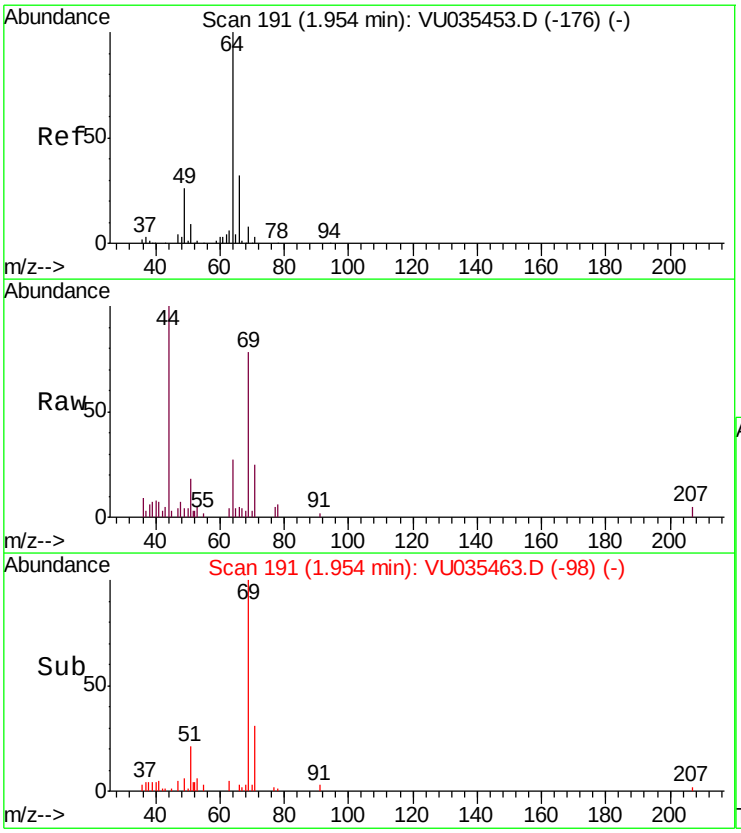
#5
Vinyl chloride
Concen: 3.058 ug/L
RT: 1.62 min Scan# 87
Delta R.T. 0.00 min
Lab File: VU035463.D
Acq: 24 Oct 2019 16:55

Instrument :
MSVOA_U
ClientSampleId :
H0G28DL

Tgt Ion: 62 Resp: 59155

Ion	Ratio	Lower	Upper
62	100		
64	37.0	22.9	42.5

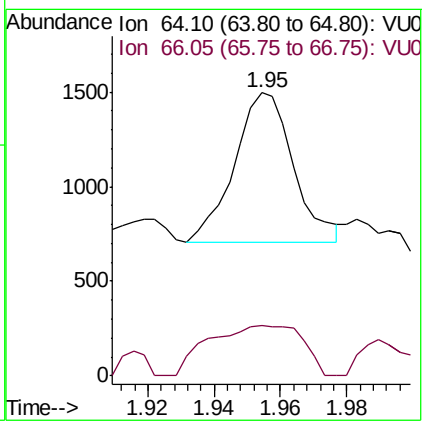


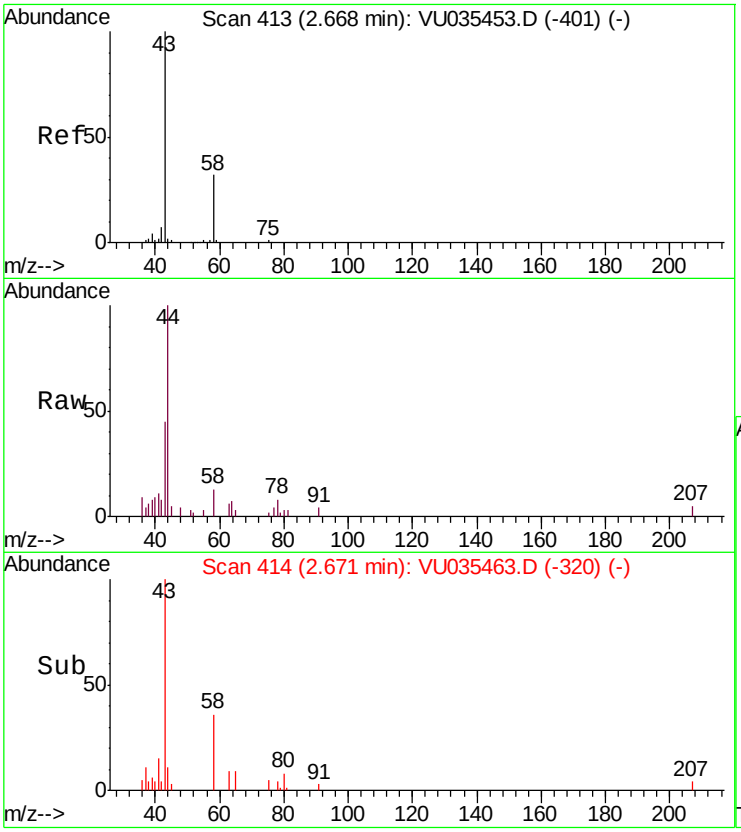


#8
Chloroethane
Concen: 0.078 ug/L
RT: 1.95 min Scan# 191
Delta R.T. 0.00 min
Lab File: VU035463.D
Acq: 24 Oct 2019 16:55

Tgt Ion: 64 Resp: 970

Ion	Ratio	Lower	Upper
64	100		
66	18.0	22.7	42.1#



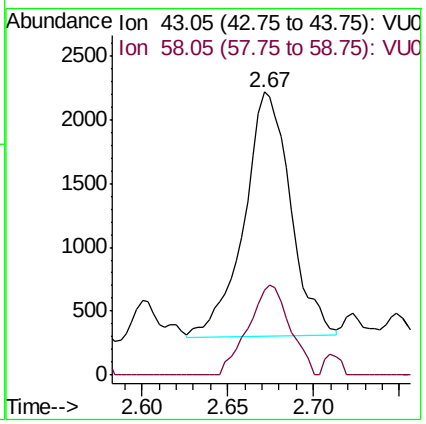


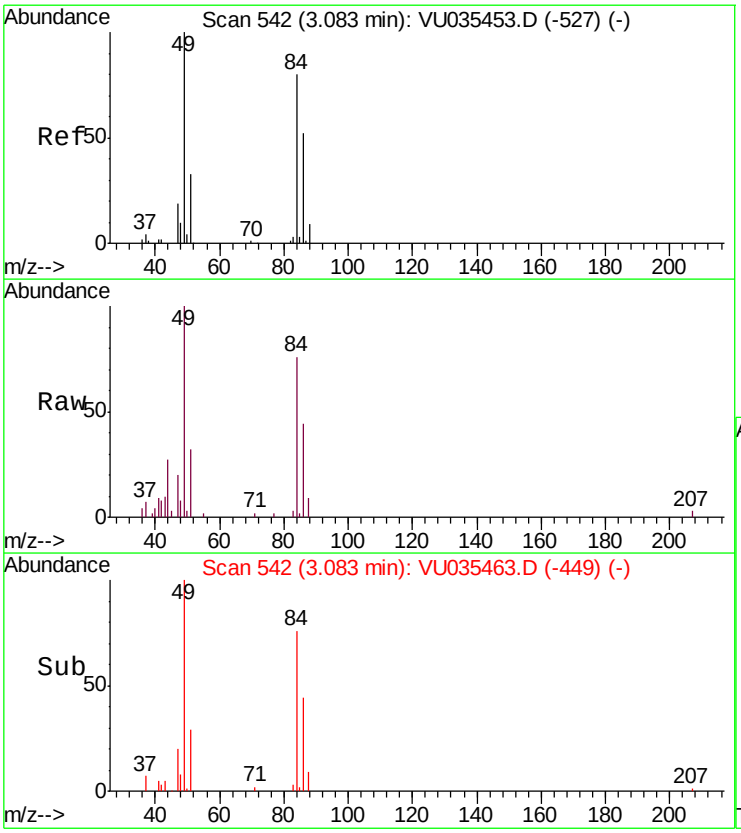
#13
Acetone
Concen: 1.325 ug/L
RT: 2.67 min Scan# 414
Delta R.T. 0.00 min
Lab File: VU035463.D
Acq: 24 Oct 2019 16:55

Instrument :
MSVOA_U
ClientSampleId :
H0G28DL

Tgt Ion: 43 Resp: 3602

Ion	Ratio	Lower	Upper
43	100		
58	32.7	0.0	61.8

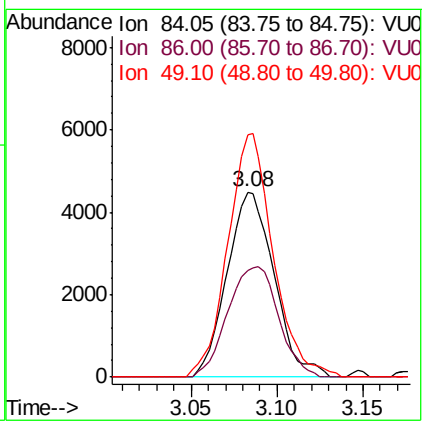


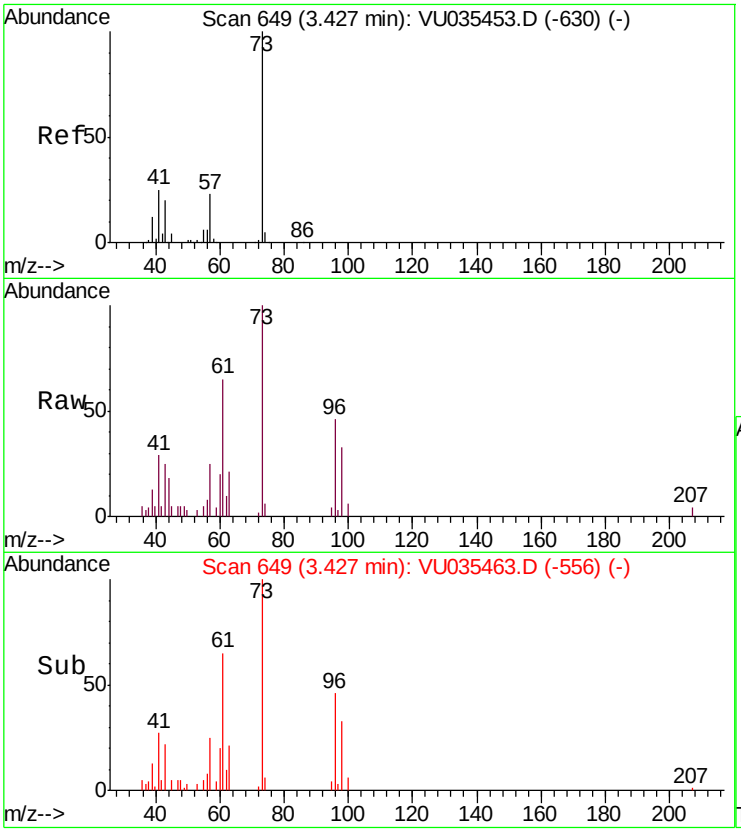


#16
Methylene chloride
Concen: 0.495 ug/L
RT: 3.08 min Scan# 542
Delta R.T. 0.00 min
Lab File: VU035463.D
Acq: 24 Oct 2019 16:55

Tgt Ion: 84 Resp: 8534

Ion	Ratio	Lower	Upper
84	100		
86	57.6	45.4	84.2
49	131.4	86.8	161.2



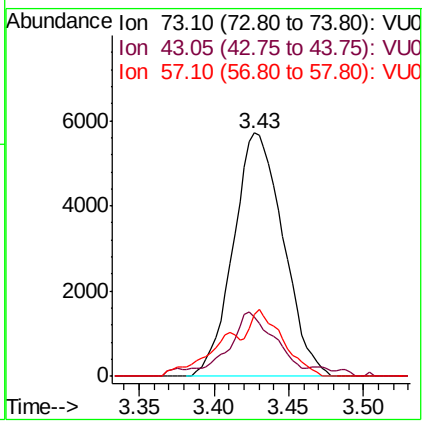


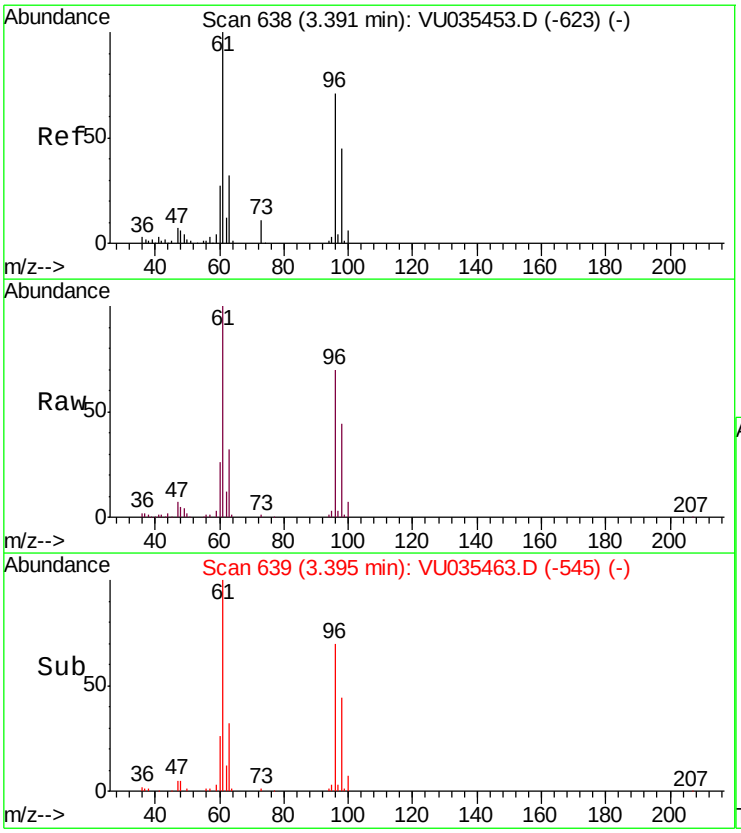
#17
Methyl tert-butyl Ether
Concen: 0.344 ug/L
RT: 3.43 min Scan# 649
Delta R.T. 0.00 min
Lab File: VU035463.D
Acq: 24 Oct 2019 16:55

Instrument : MSVOA_U
ClientSampleId : H0G28DL

Tgt Ion: 73 Resp: 13251

Ion	Ratio	Lower	Upper
73	100		
43	21.1	16.0	24.0
57	19.3	17.4	26.2

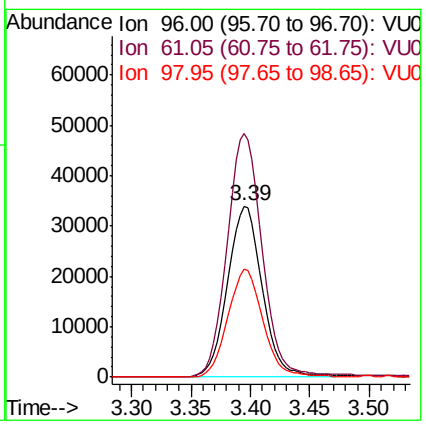


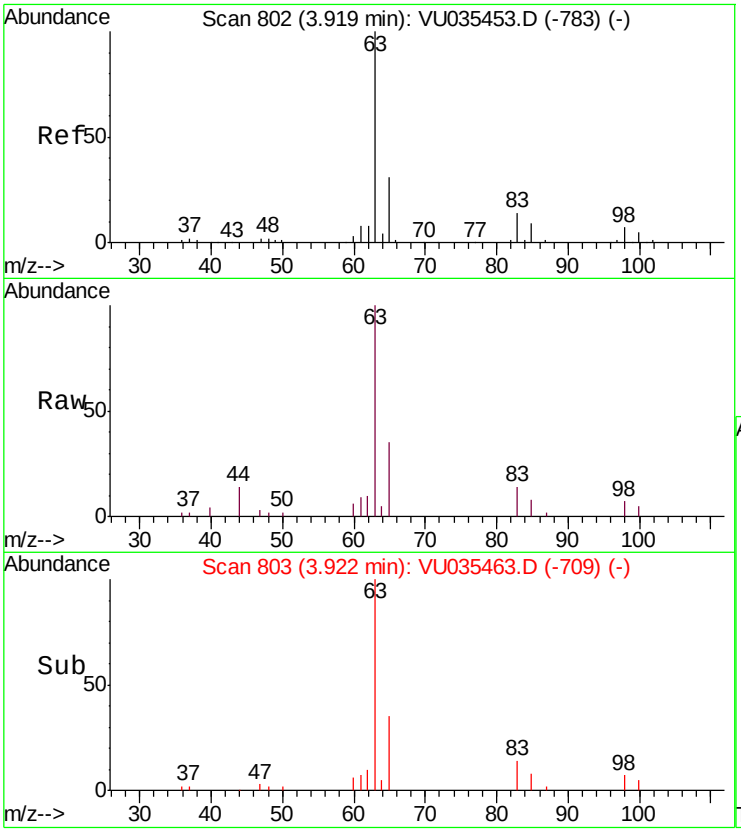


#18
trans-1,2-Dichloroethene
Concen: 4.437 ug/L
RT: 3.39 min Scan# 639
Delta R.T. 0.00 min
Lab File: VU035463.D
Acq: 24 Oct 2019 16:55

Tgt Ion: 96 Resp: 68628

Ion	Ratio	Lower	Upper
96	100		
61	142.5	93.0	172.6
98	62.9	43.7	81.1



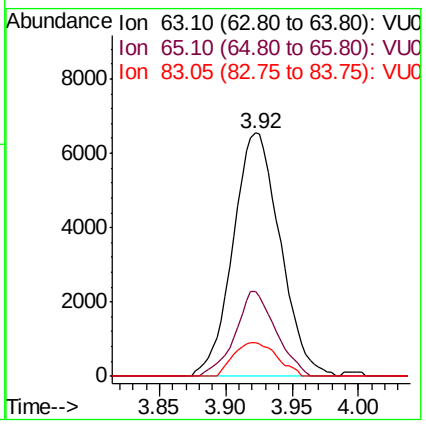


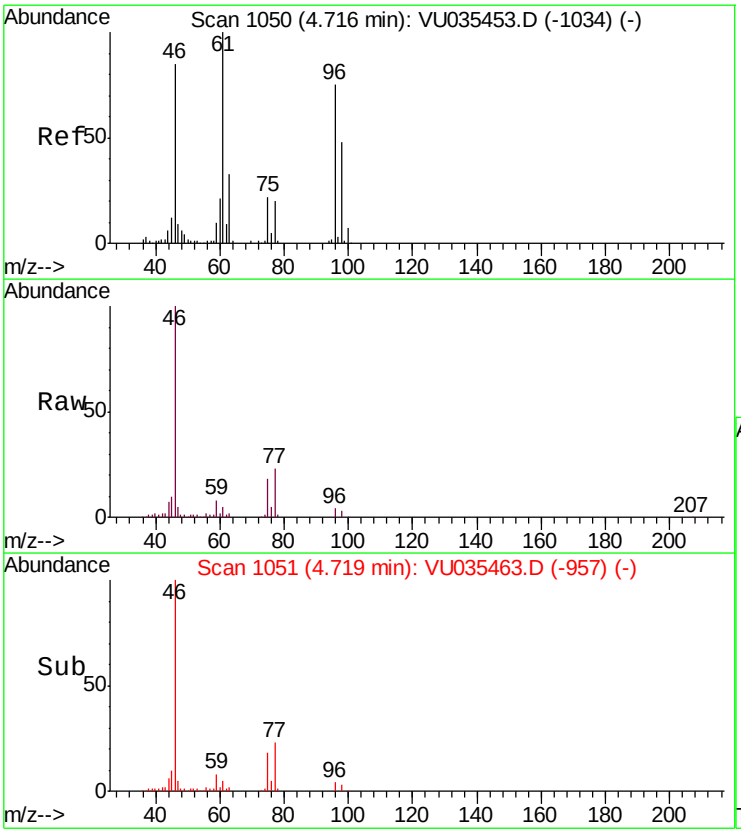
#19
1,1-Dichloroethane
Concen: 0.580 ug/L
RT: 3.92 min Scan# 803
Delta R.T. 0.00 min
Lab File: VU035463.D
Acq: 24 Oct 2019 16:55

Instrument : MSVOA_U
ClientSampleId : H0G28DL

Tgt Ion: 63 Resp: 16222

Ion	Ratio	Lower	Upper
63	100		
65	34.9	22.4	41.6
83	13.8	9.3	17.3

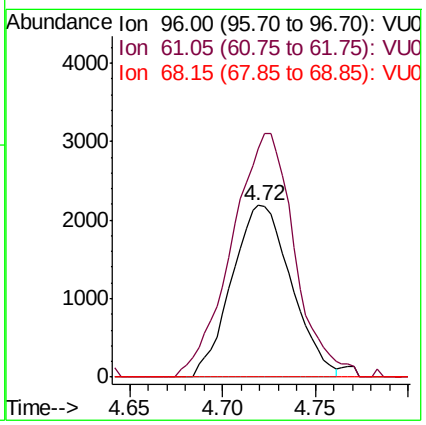


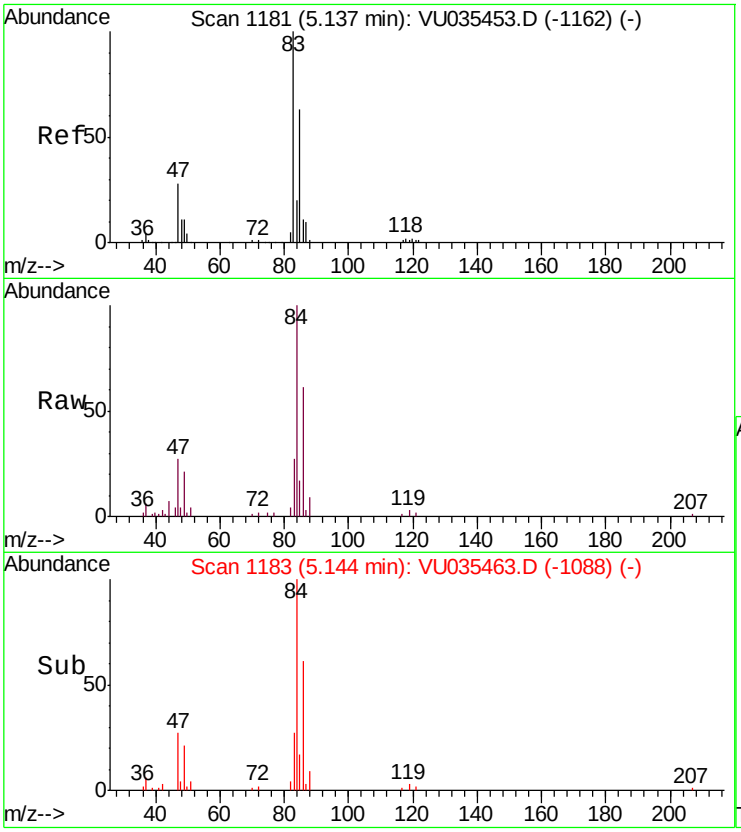


#22
cis-1,2-Dichloroethene
Concen: 0.286 ug/L
RT: 4.72 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VU035463.D
Acq: 24 Oct 2019 16:55

Tgt Ion: 96 Resp: 4887

Ion	Ratio	Lower	Upper
96	100		
61	133.0	89.7	166.5
68	0.0	0.0	0.0



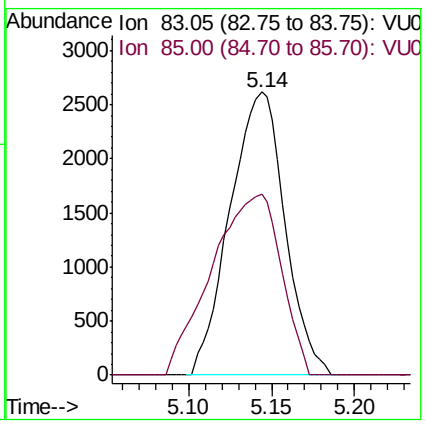


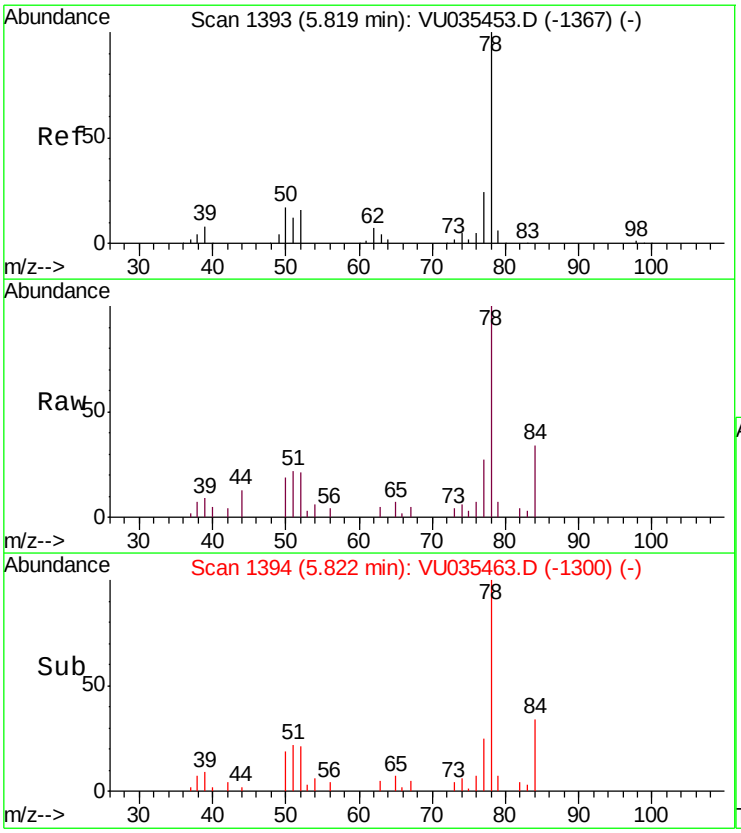
#25
Chloroform
Concen: 0.197 ug/L
RT: 5.14 min Scan# 1183
Delta R.T. 0.01 min
Lab File: VU035463.D
Acq: 24 Oct 2019 16:55

Instrument :
MSVOA_U
ClientSampleId :
H0G28DL

Tgt Ion: 83 Resp: 6035

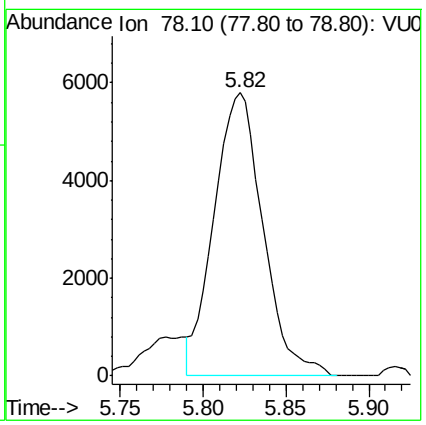
Ion	Ratio	Lower	Upper
83	100		
85	64.1	45.1	83.9

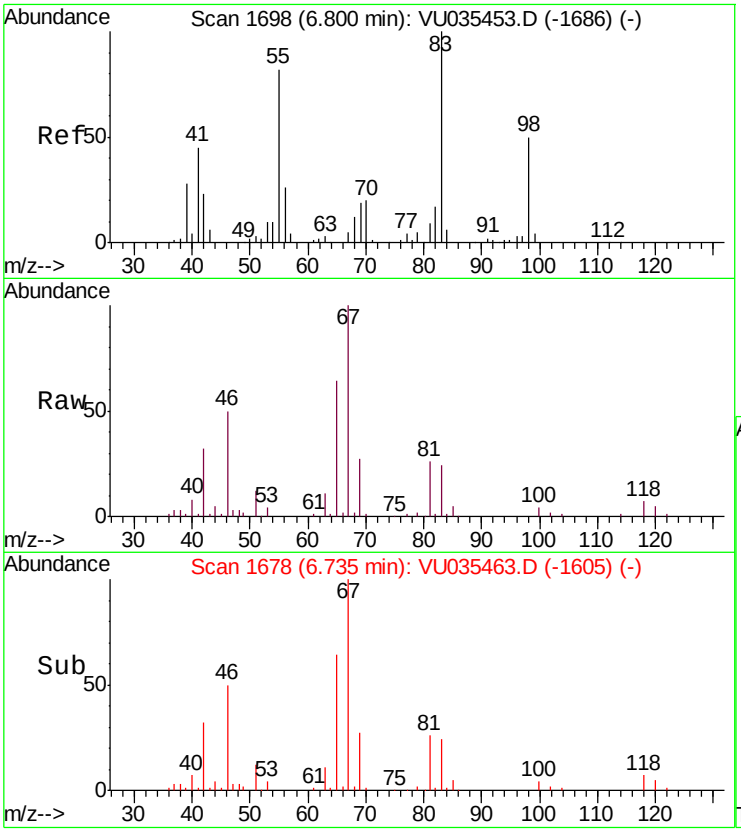




#33
Benzene
Concen: 0.178 ug/L
RT: 5.82 min Scan# 1394
Delta R.T. 0.00 min
Lab File: VU035463.D
Acq: 24 Oct 2019 16:55

Tgt Ion: 78 Resp: 11934



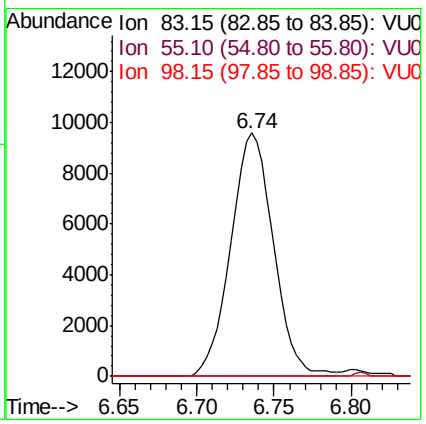


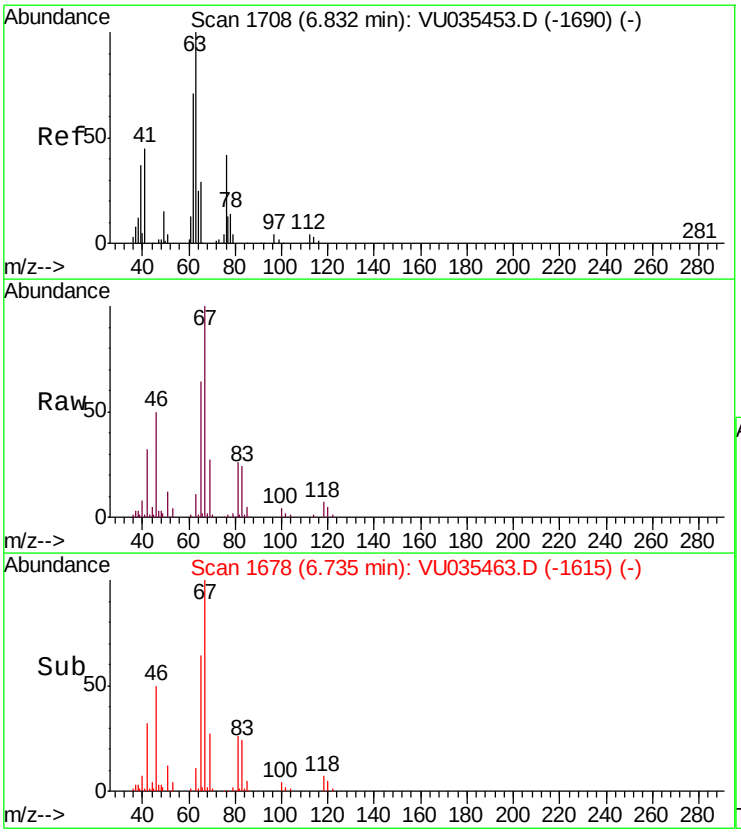
#35
Methylcyclohexane
Concen: 0.611 ug/L
RT: 6.74 min Scan# 1678
Delta R.T. -0.06 min
Lab File: VU035463.D
Acq: 24 Oct 2019 16:55

Instrument : MSVOA_U
ClientSampleId : H0G28DL

Tgt Ion: 83 Resp: 18393

Ion	Ratio	Lower	Upper
83	100		
55	0.4	60.4	90.6#
98	1.6	39.5	59.3#

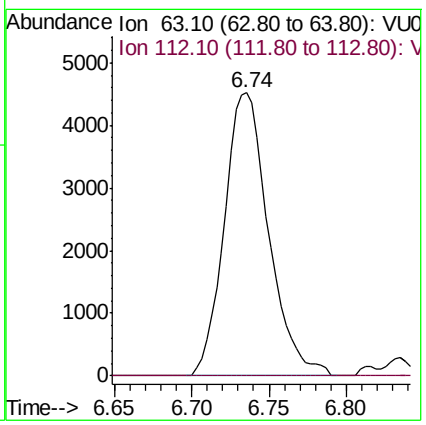


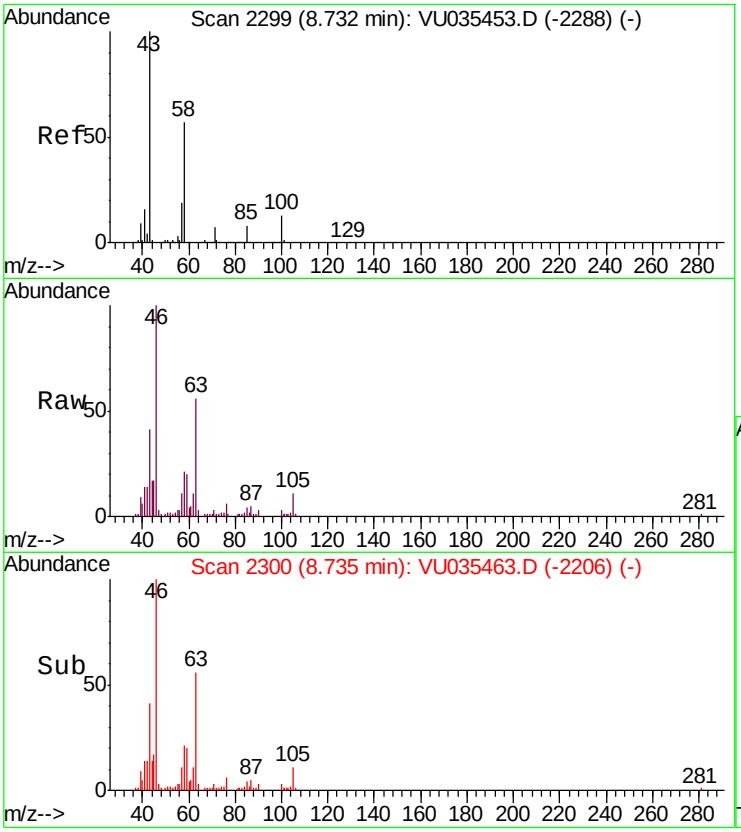


#37
1,2-Dichloropropane
Concen: 0.528 ug/L
RT: 6.74 min Scan# 1678
Delta R.T. -0.10 min
Lab File: VU035463.D
Acq: 24 Oct 2019 16:55

Tgt Ion: 63 Resp: 8972

Ion	Ratio	Lower	Upper
63	100		
112	0.2	3.7	5.5#



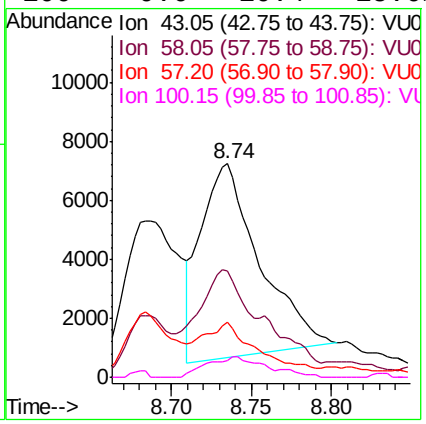


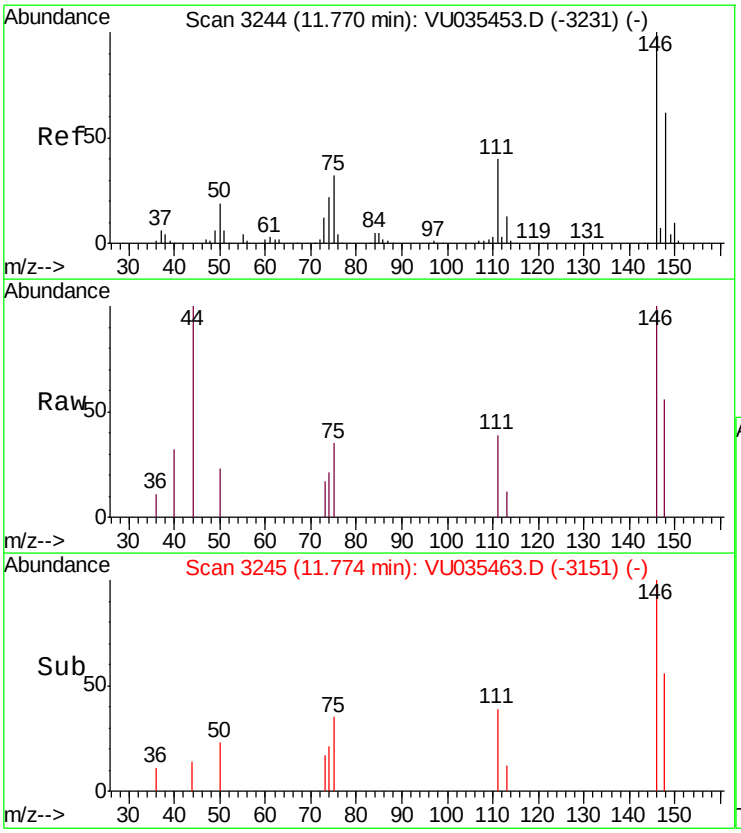
#48
2-Hexanone
Concen: 2.088 ug/L
RT: 8.74 min Scan# 2300
Delta R.T. 0.00 min
Lab File: VU035463.D
Acq: 24 Oct 2019 16:55

Instrument : MSVOA_U
ClientSampleId : H0G28DL

Tgt Ion: 43 Resp: 16798

Ion	Ratio	Lower	Upper
43	100		
58	53.3	45.1	67.7
57	25.3	16.0	24.0#
100	9.6	10.4	15.6#

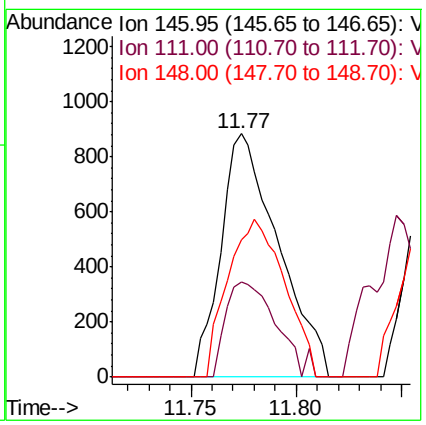


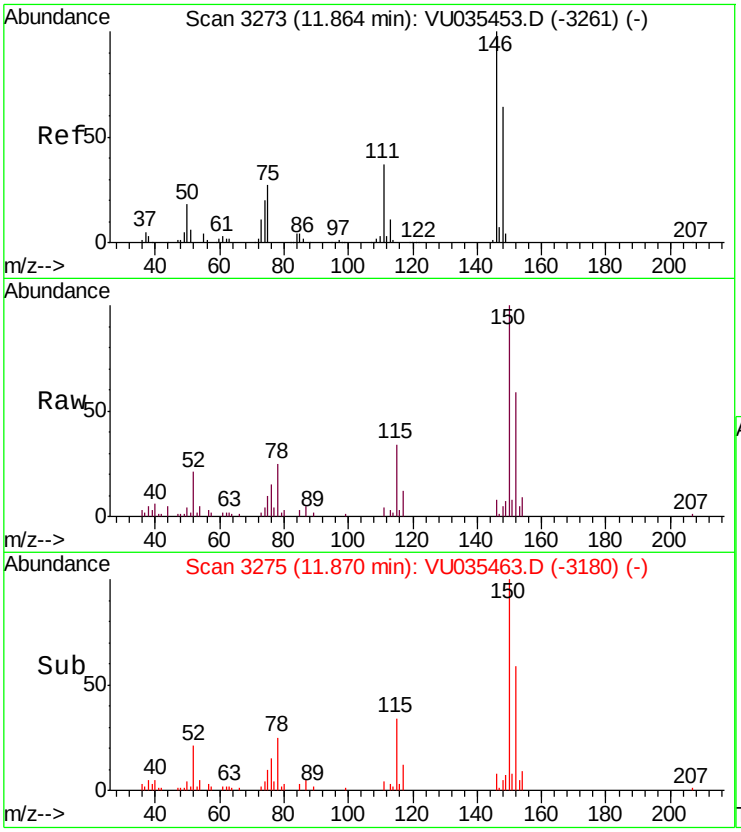


#62
1,3-Dichlorobenzene
Concen: 0.075 ug/L
RT: 11.77 min Scan# 3245
Delta R.T. 0.00 min
Lab File: VU035463.D
Acq: 24 Oct 2019 16:55

Tgt Ion:146 Resp: 1667

Ion	Ratio	Lower	Upper
146	100		
111	38.8	27.8	51.6
148	56.3	45.6	84.8



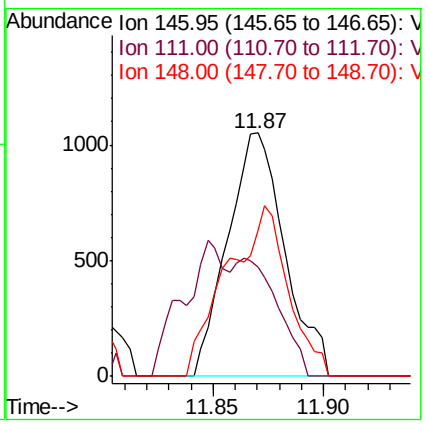


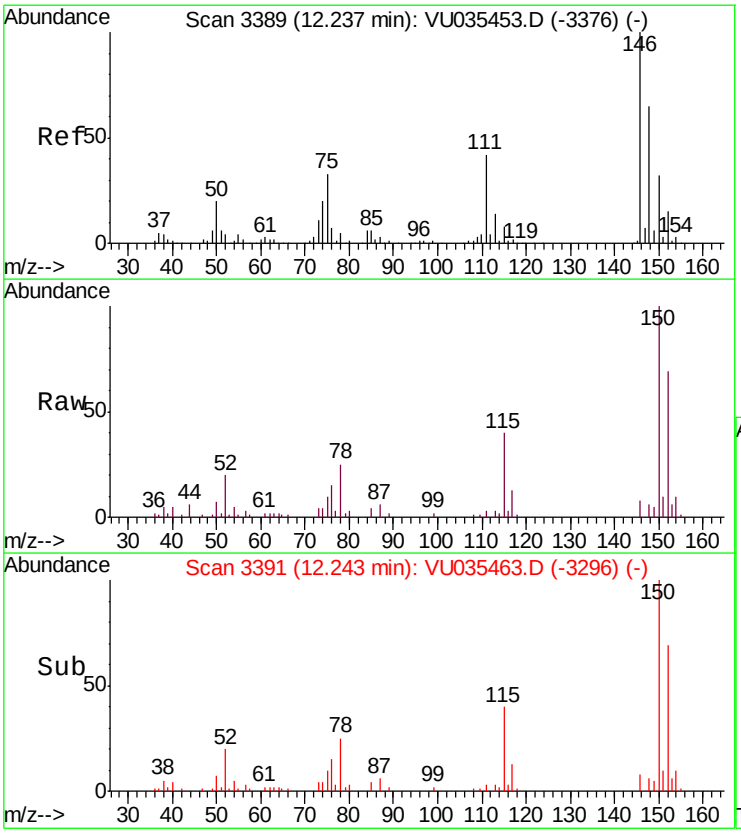
#63
1,4-Dichlorobenzene
Concen: 0.087 ug/L
RT: 11.87 min Scan# 3275
Delta R.T. 0.01 min
Lab File: VU035463.D
Acq: 24 Oct 2019 16:55

Instrument : MSVOA_U
ClientSampleId : H0G28DL

Tgt Ion:146 Resp: 1890

Ion	Ratio	Lower	Upper
146	100		
111	44.7	26.4	49.0
148	60.3	44.7	83.1

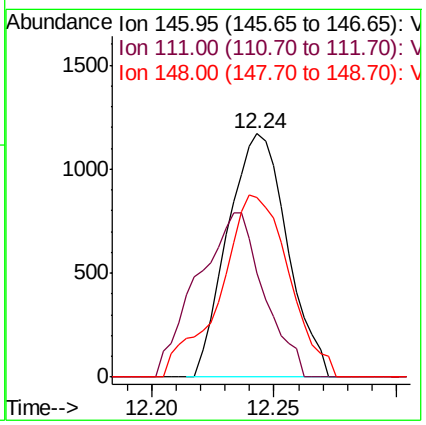


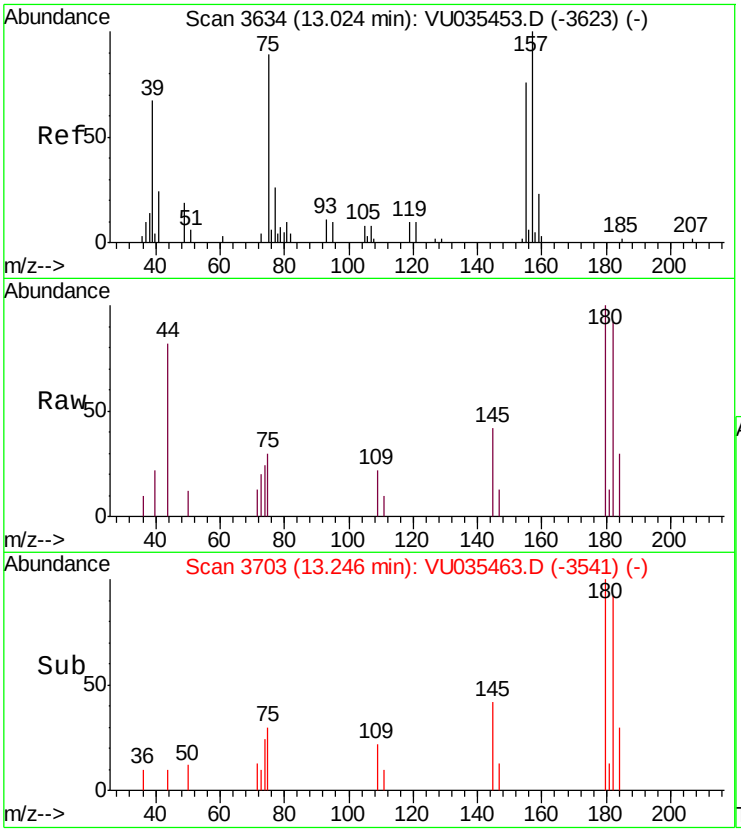


#65
1,2-Dichlorobenzene
Concen: 0.095 ug/L
RT: 12.24 min Scan# 3391
Delta R.T. 0.01 min
Lab File: VU035463.D
Acq: 24 Oct 2019 16:55

Tgt Ion:146 Resp: 1982

Ion	Ratio	Lower	Upper
146	100		
111	42.5	33.0	49.6
148	73.6	51.0	76.4



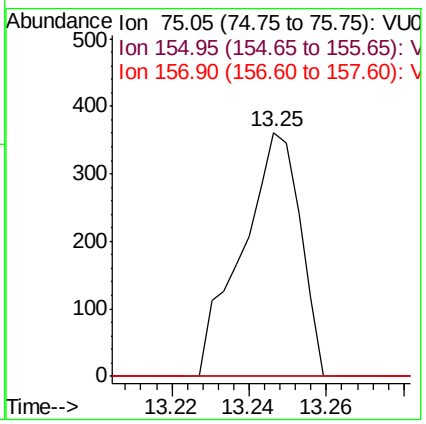


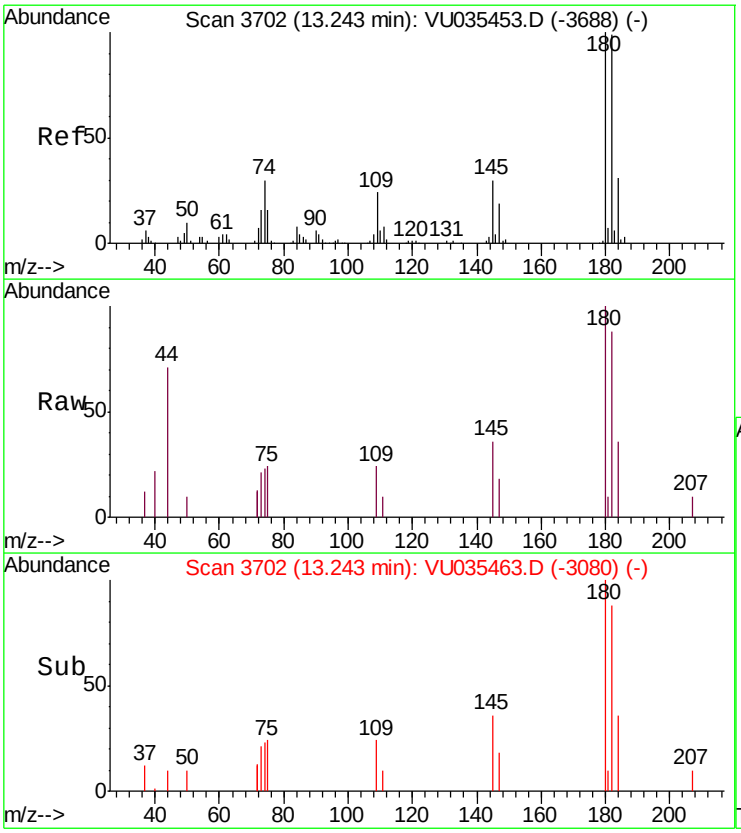
#66
1,2-Dibromo-3-chloropropane
Concen: 0.257 ug/L
RT: 13.25 min Scan# 3703
Delta R.T. 0.22 min
Lab File: VU035463.D
Acq: 24 Oct 2019 16:55

Instrument : MSVOA_U
ClientSampleId : H0G28DL

Tgt Ion: 75 Resp: 378

Ion	Ratio	Lower	Upper
75	100		
155	0.0	70.0	105.0#
157	0.0	94.7	142.1#

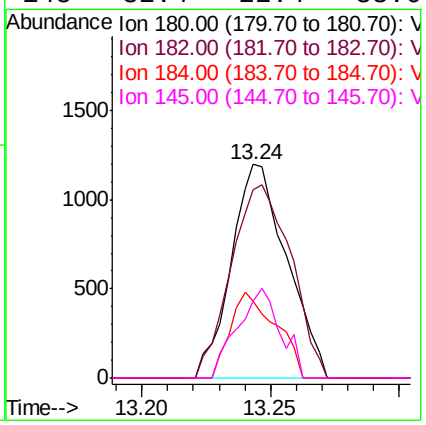


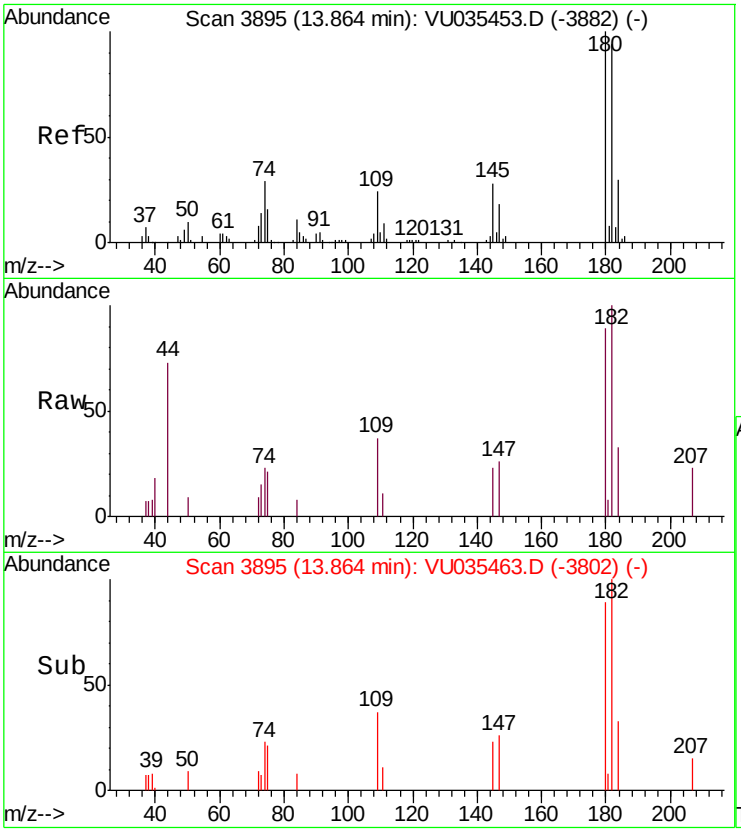


#67
1,3,5-Trichlorobenzene
Concen: 0.131 ug/L
RT: 13.24 min Scan# 3702
Delta R.T. 0.00 min
Lab File: VU035463.D
Acq: 24 Oct 2019 16:55

Tgt Ion:180 Resp: 1801

Ion	Ratio	Lower	Upper
180	100		
182	97.3	77.4	116.2
184	32.9	23.9	35.9
145	32.4	22.4	33.6



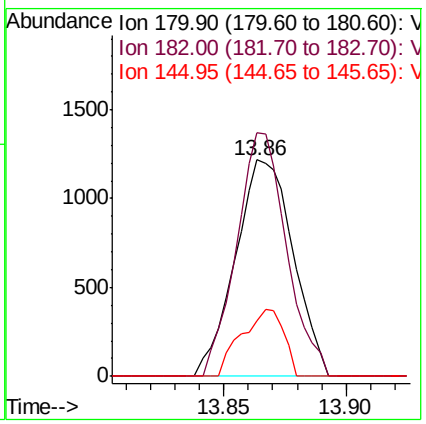


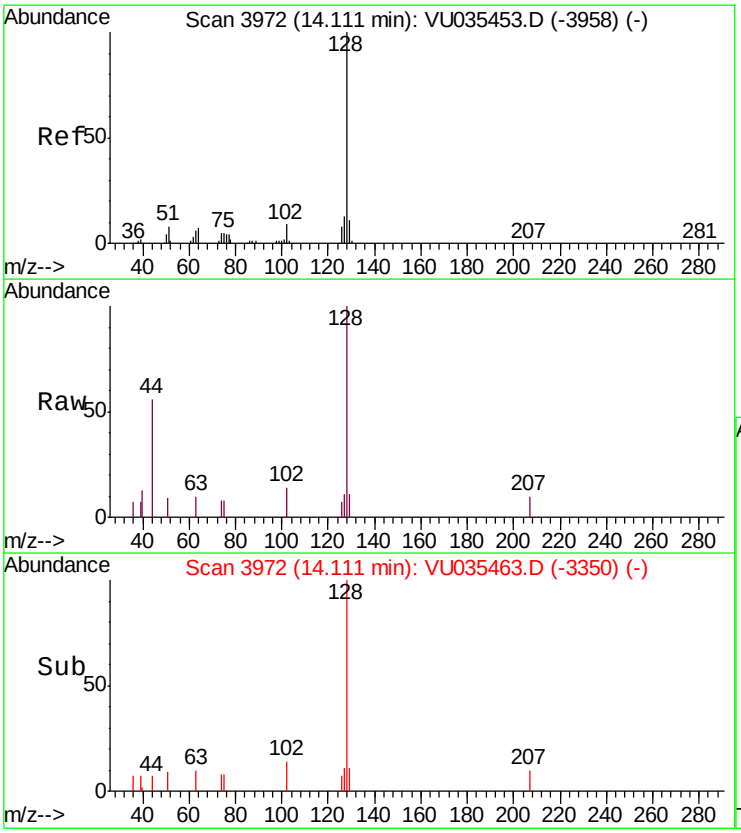
#68
1,2,4-trichlorobenzene
Concen: 0.218 ug/L
RT: 13.86 min Scan# 3895
Delta R.T. 0.00 min
Lab File: VU035463.D
Acq: 24 Oct 2019 16:55

Instrument :
MSVOA_U
ClientSampleId :
H0G28DL

Tgt Ion:180 Resp: 1997

Ion	Ratio	Lower	Upper
180	100		
182	97.0	75.9	113.9
145	22.6	23.4	35.2#

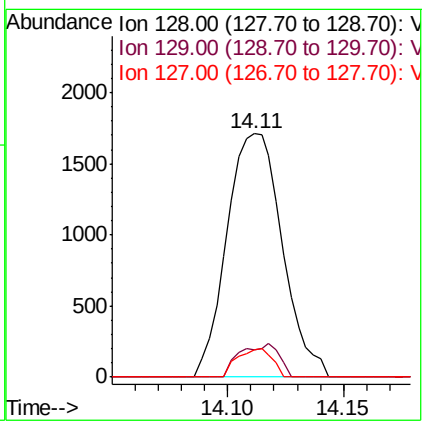


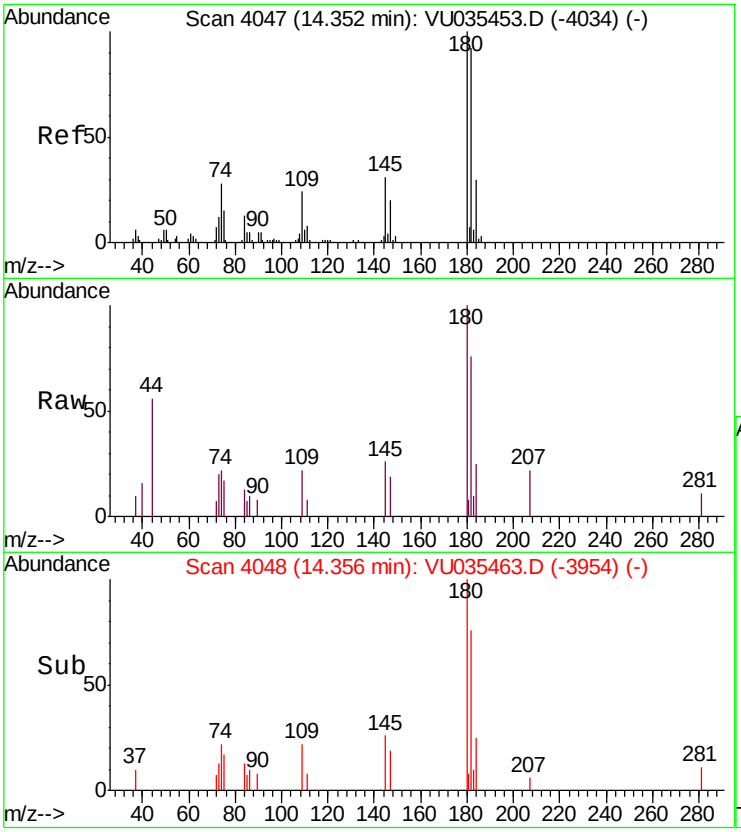


#69
Naphthalene
Concen: 0.226 ug/L
RT: 14.11 min Scan# 3972
Delta R.T. 0.00 min
Lab File: VU035463.D
Acq: 24 Oct 2019 16:55

Tgt Ion:128 Resp: 2837

Ion	Ratio	Lower	Upper
128	100		
129	9.6	8.6	13.0
127	7.3	10.7	16.1#





#70
1,2,3-Trichlorobenzene
Concen: 0.298 ug/L
RT: 14.36 min Scan# 4048
Delta R.T. 0.00 min
Lab File: VU035463.D
Acq: 24 Oct 2019 16:55

Instrument :
MSVOA_U
ClientSampleId :
H0G28DL

Tgt Ion:180 Resp: 2550

Ion	Ratio	Lower	Upper
180	100		
182	83.6	76.0	114.0
145	25.0	24.6	37.0