Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120319\
Data File : VU035953.D
Acq On : 03 Dec 2019 17:32
Operator : JC/SP
Sample : K6056-04DL 20X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFE11DL

Quant Time: Dec 04 03:39:21 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120319WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Dec 04 03:35:54 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	332202	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	344039	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	114256	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.61	65	172078	4.55	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 91.00%			
7) Chloroethane-d5	1.93	69	139910	4.61	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 92.20%			
11) 1,1-Dichloroethene-d2	2.59	63	205493	3.78	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 75.60%			
20) 2-Butanone-d5	4.70	46	320662	47.82	ug/L	0.00
Spiked Amount 50.000	Range 40 - 130		Recovery = 95.64%			
24) Chloroform-d	5.11	84	238676	4.59	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 91.80%			
26) 1,2-Dichloroethane-d4	5.75	65	128038	4.65	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 93.00%			
32) Benzene-d6	5.77	84	481284	4.72	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 94.40%			
36) 1,2-Dichloropropane-d6	6.73	67	156051	4.73	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 94.60%			
41) Toluene-d8	7.93	98	398098	4.24	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 84.80%			
43) trans-1,3-Dichloropropene-	8.22	79	58484	4.39	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 87.80%			
46) 2-Hexanone-d5	8.68	63	230144	43.91	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 87.82%			
57) 1,1,2,2-Tetrachloroethane-	10.78	84	124355	4.49	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 89.80%			
64) 1,2-Dichlorobenzene-d4	12.22	152	118462	5.02	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 100.40%			
Target Compounds						Qvalue
3) Chloromethane	1.54	50	3550	0.090	ug/L	94
5) Vinyl chloride	1.62	62	3350	0.084	ug/L #	1
8) Chloroethane	1.95	64	2274	0.092	ug/L #	69
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	4498	0.176	ug/L #	65
12) 1,1-Dichloroethene	2.61	96	32340	1.358	ug/L #	31
13) Acetone	2.68	43	13675	2.256	ug/L	87
14) Carbon disulfide	2.82	76	7229	0.087	ug/L	96
16) Methylene chloride	3.08	84	19357	0.525	ug/L	91
18) trans-1,2-Dichloroethene	3.39	96	2255	0.089	ug/L	94
19) 1,1-Dichloroethane	3.92	63	21100	0.428	ug/L	97
22) cis-1,2-Dichloroethene	4.72	96	47784	1.794	ug/L	95
25) Chloroform	5.14	83	11011	0.221	ug/L	99
29) 1,1,1-Trichloroethane	5.36	97	10093	0.243	ug/L	91
30) Cyclohexane	5.43	56	3219	0.078	ug/L	90
33) Benzene	5.82	78	10106	0.093	ug/L	100
34) Trichloroethene	6.58	95	119246	4.358	ug/L	96
38) Bromodichloromethane	7.15	83	2372	0.068	ug/L	86

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120319\
Data File : VU035953.D
Acq On : 03 Dec 2019 17:32
Operator : JC/SP
Sample : K6056-04DL 20X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFE11DL

Quant Time: Dec 04 03:39:21 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120319WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Dec 04 03:35:54 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
42) Toluene	8.00	91	9665	0.086 ug/L	98
45) 1,1,2-Trichloroethane	8.44	97	2011	0.101 ug/L #	84
47) Tetrachloroethene	8.58	164	32823	1.476 ug/L	97
48) 2-Hexanone	8.73	43	12017	0.945 ug/L #	89
51) Chlorobenzene	9.47	112	6522	0.092 ug/L	95
52) Ethylbenzene	9.60	91	8392	0.073 ug/L	88
55) Styrene	10.14	104	4161	0.061 ug/L	95
59) 1,2,3-Trichloropropane	11.83	75	14930	0.784 ug/L	99
62) 1,3-Dichlorobenzene	11.77	146	3083	0.081 ug/L	89
63) 1,4-Dichlorobenzene	11.86	146	3815	0.101 ug/L	83
65) 1,2-Dichlorobenzene	12.24	146	3752	0.103 ug/L	92

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

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120319\
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Acq On : 03 Dec 2019 17:32
Operator : JC/SP
Sample : K6056-04DL 20X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 17 Sample Multiplier: 1

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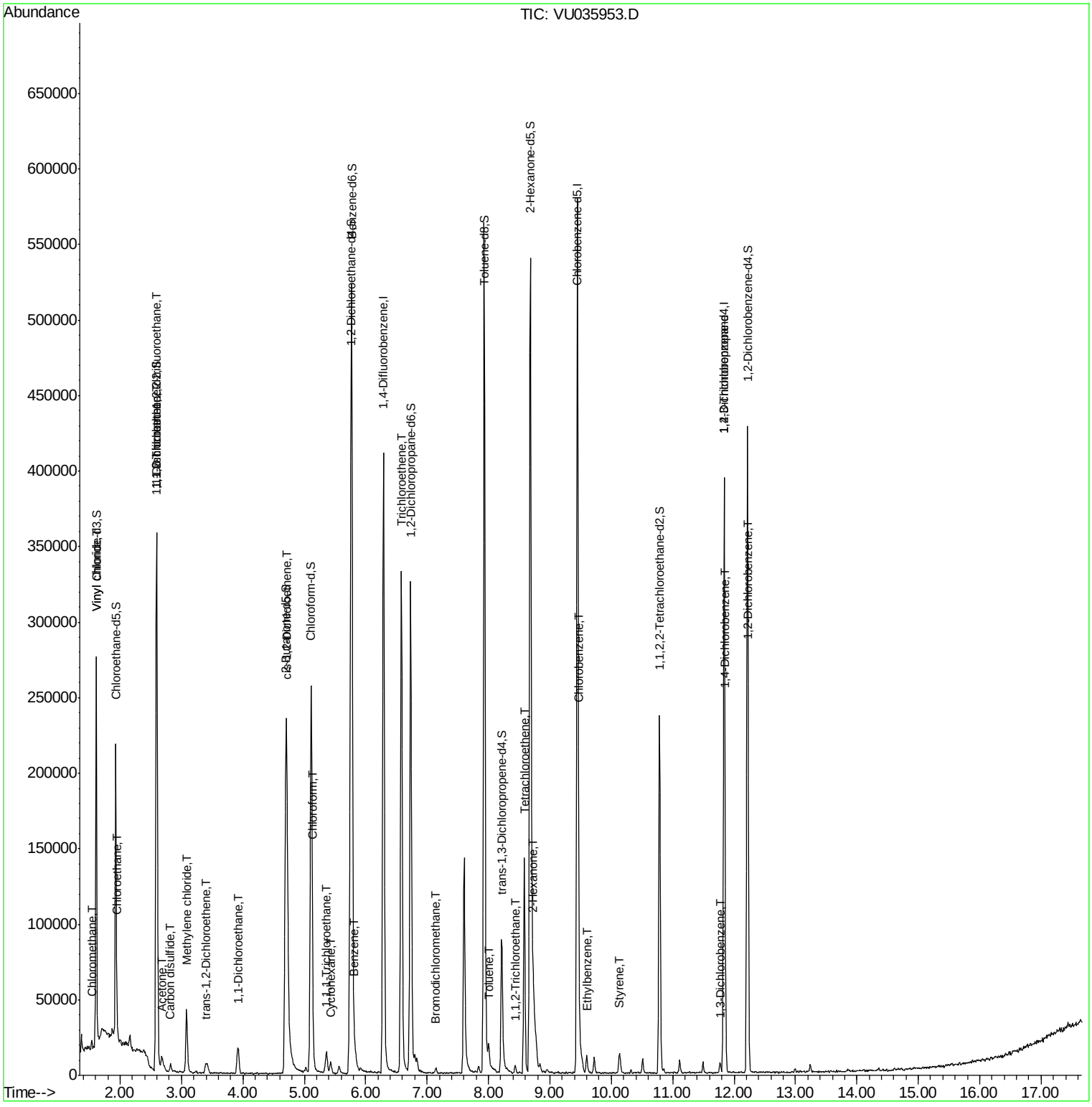
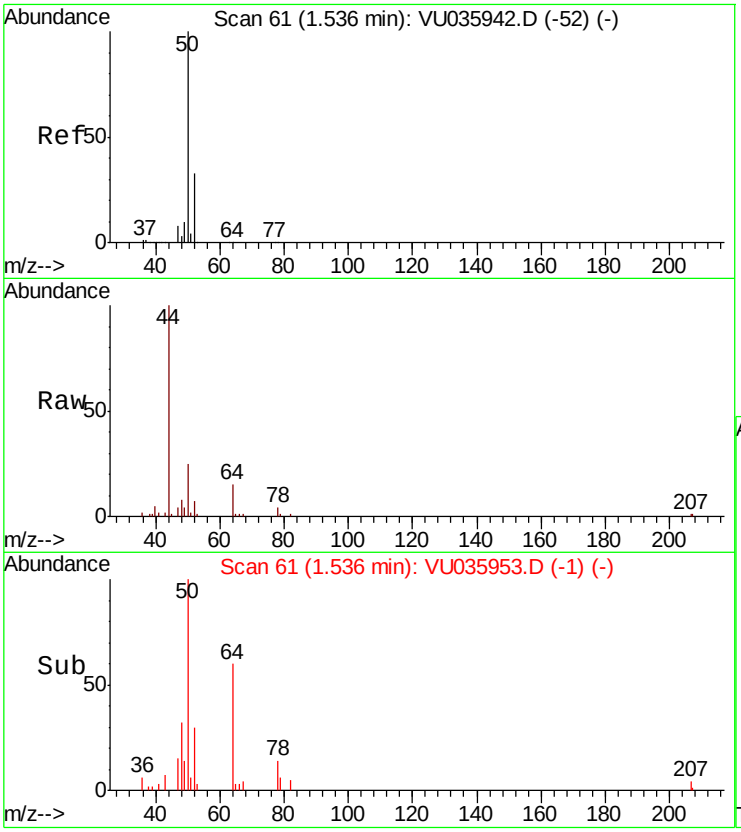
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Dec 04 03:35:54 2019
Response via : Initial Calibration



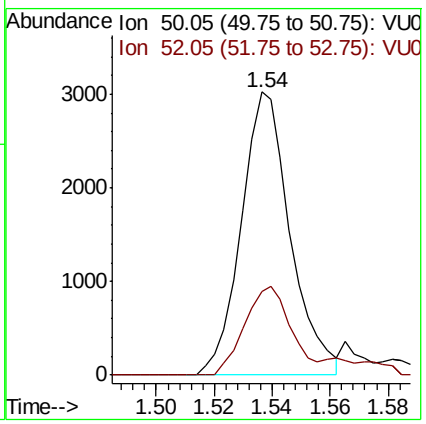


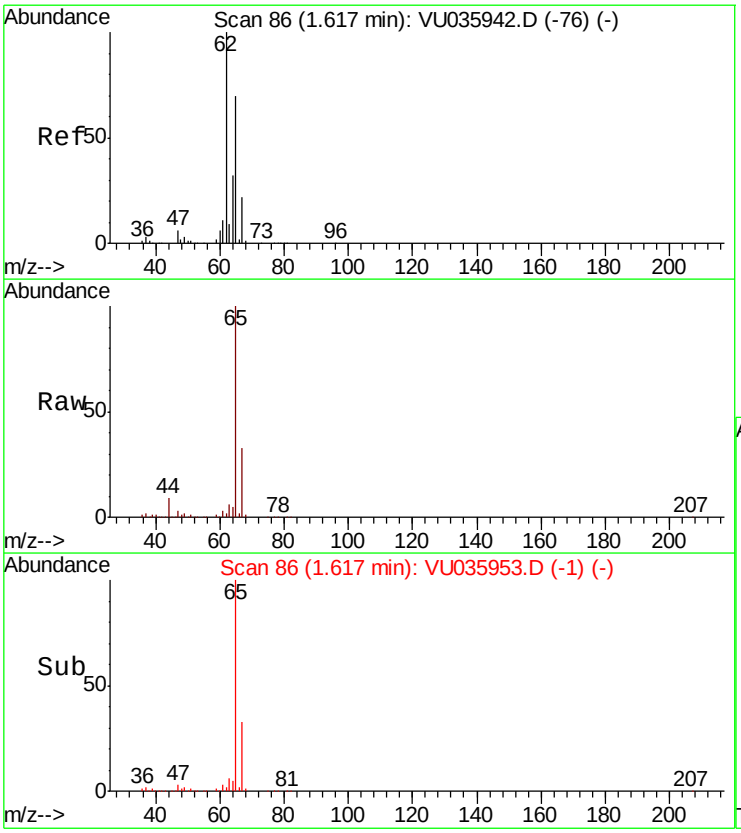
#3
Chloromethane
Concen: 0.090 ug/L
RT: 1.54 min Scan# 61
Delta R.T. 0.00 min
Lab File: VU035953.D
Acq: 03 Dec 2019 17:32

Instrument :
MSVOA_U
ClientSampleId :
BFE11DL

Tgt Ion: 50 Resp: 3550

Ion	Ratio	Lower	Upper
50	100		
52	29.5	23.1	42.9

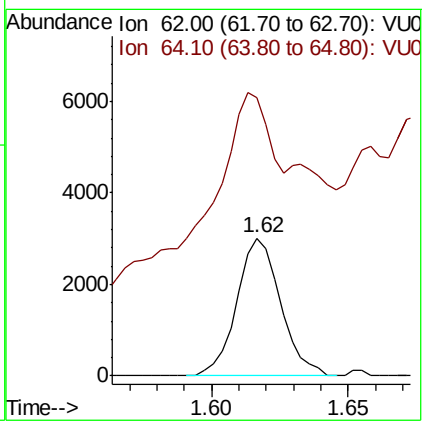


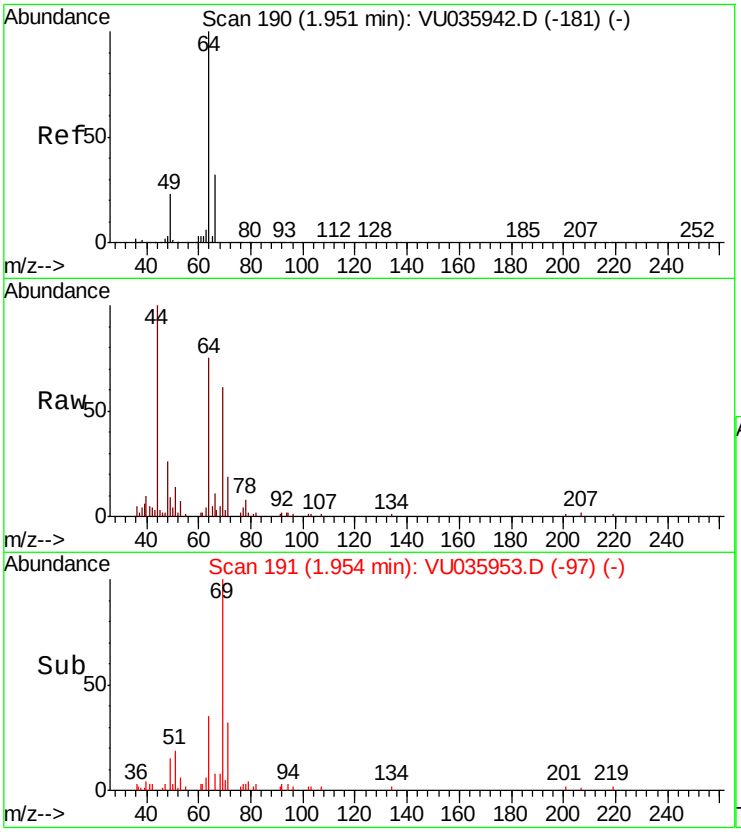


#5
Vinyl chloride
Concen: 0.084 ug/L
RT: 1.62 min Scan# 86
Delta R.T. 0.00 min
Lab File: VU035953.D
Acq: 03 Dec 2019 17:32

Tgt Ion: 62 Resp: 3350

Ion	Ratio	Lower	Upper
62	100		
64	202.2	23.0	42.6#



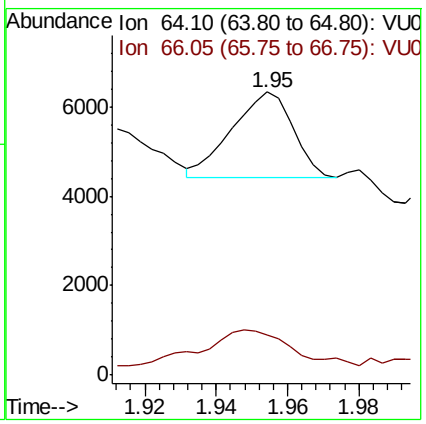


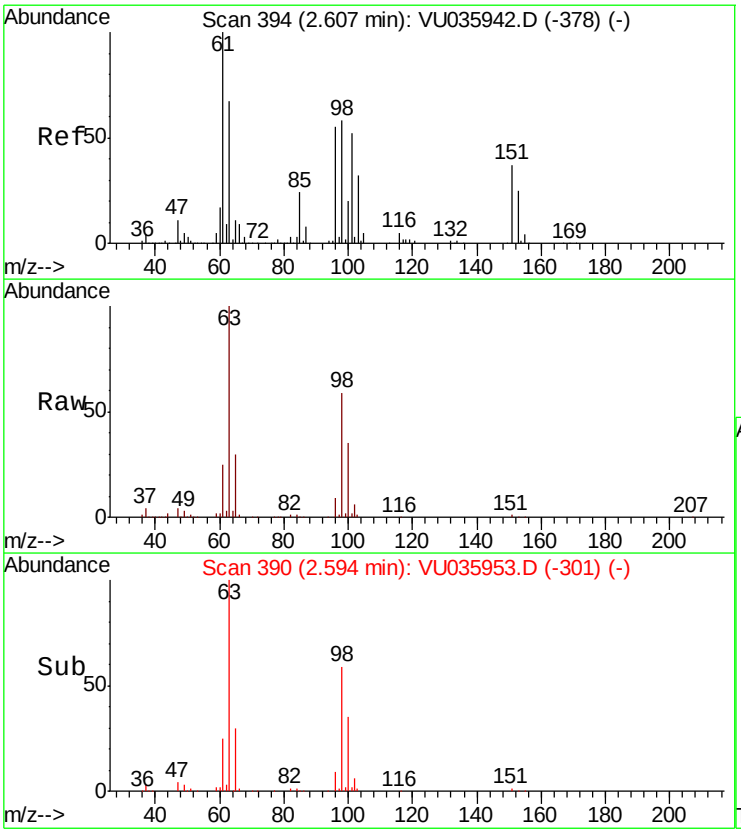
#8
Chloroethane
Concen: 0.092 ug/L
RT: 1.95 min Scan# 191
Delta R.T. 0.00 min
Lab File: VU035953.D
Acq: 03 Dec 2019 17:32

Instrument : MSVOA_U
ClientSampleId : BFE11DL

Tgt Ion: 64 Resp: 2274

Ion	Ratio	Lower	Upper
64	100		
66	14.2	22.0	40.8#

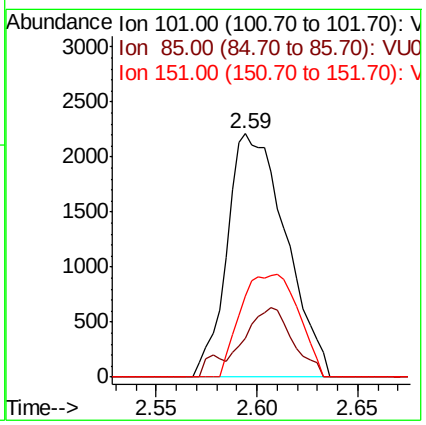


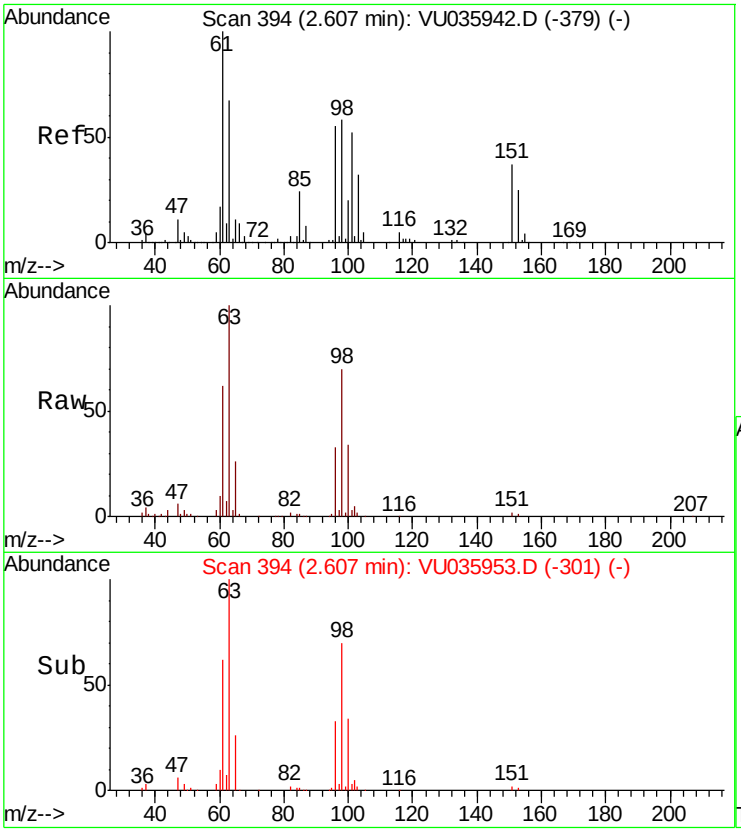


#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.176 ug/L
RT: 2.59 min Scan# 390
Delta R.T. -0.01 min
Lab File: VU035953.D
Acq: 03 Dec 2019 17:32

Tgt Ion:101 Resp: 4498

Ion	Ratio	Lower	Upper
101	100		
85	22.8	35.5	53.3#
151	41.6	57.5	86.3#



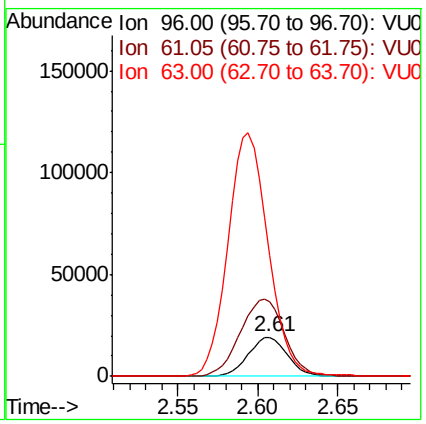


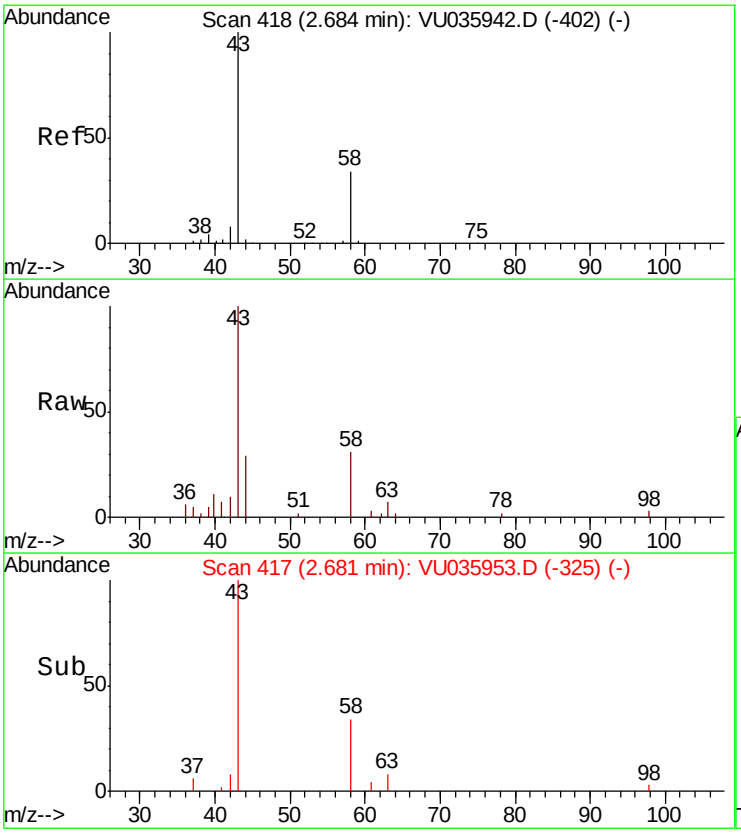
#12
1,1-Dichloroethene
Concen: 1.358 ug/L
RT: 2.61 min Scan# 394
Delta R.T. 0.00 min
Lab File: VU035953.D
Acq: 03 Dec 2019 17:32

Instrument :
MSVOA_U
ClientSampleId :
BFE11DL

Tgt Ion: 96 Resp: 32340

Ion	Ratio	Lower	Upper
96	100		
61	189.5	127.1	236.1
63	307.4	86.0	159.8#

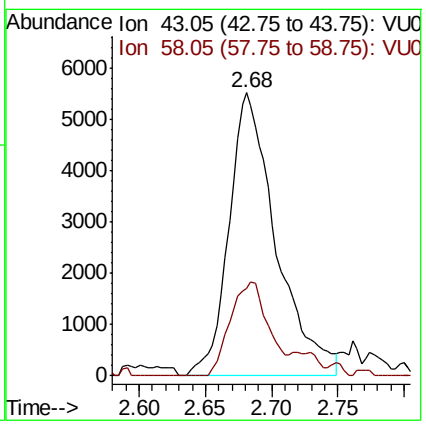


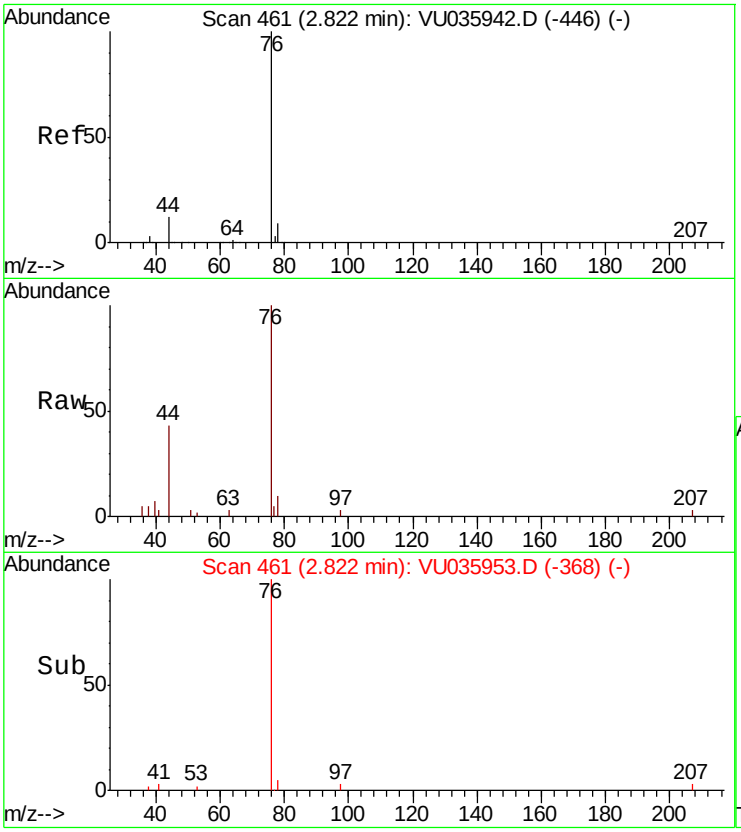


#13
Acetone
Concen: 2.256 ug/L
RT: 2.68 min Scan# 417
Delta R.T. -0.00 min
Lab File: VU035953.D
Acq: 03 Dec 2019 17:32

Tgt Ion: 43 Resp: 13675

Ion	Ratio	Lower	Upper
43	100		
58	27.0	0.0	68.6



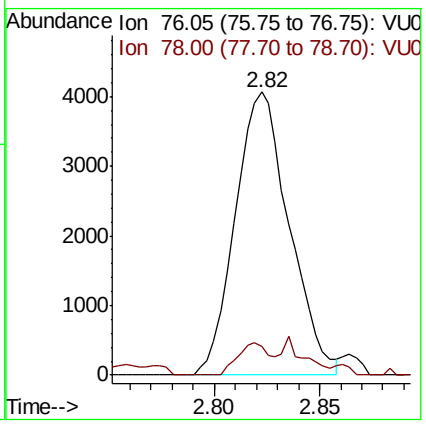


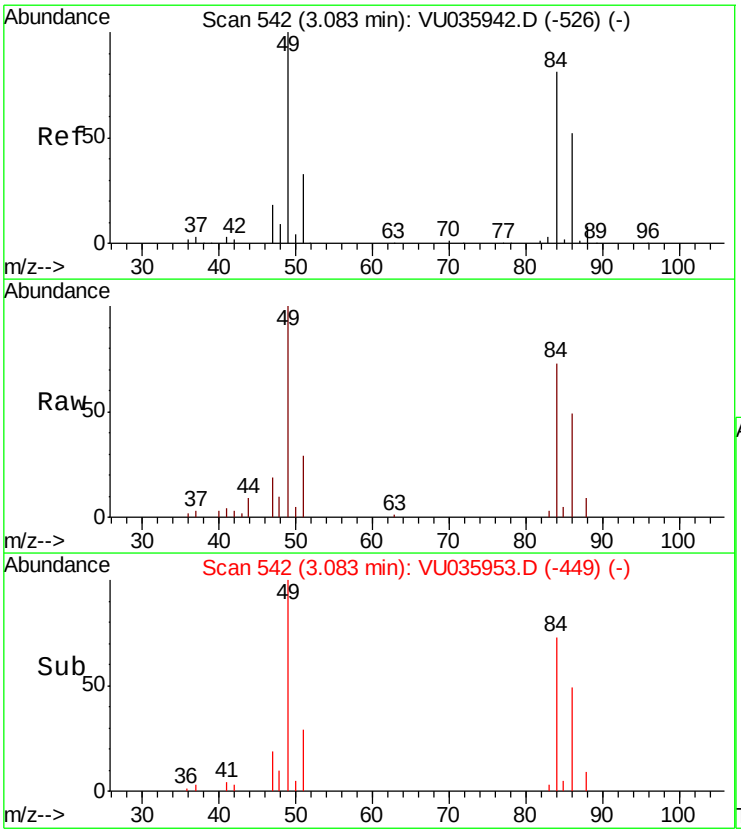
#14
Carbon disulfide
Concen: 0.087 ug/L
RT: 2.82 min Scan# 461
Delta R.T. 0.00 min
Lab File: VU035953.D
Acq: 03 Dec 2019 17:32

Instrument : MSVOA_U
ClientSampleId : BFE11DL

Tgt Ion: 76 Resp: 7229

Ion	Ratio	Lower	Upper
76	100		
78	9.9	6.9	10.3

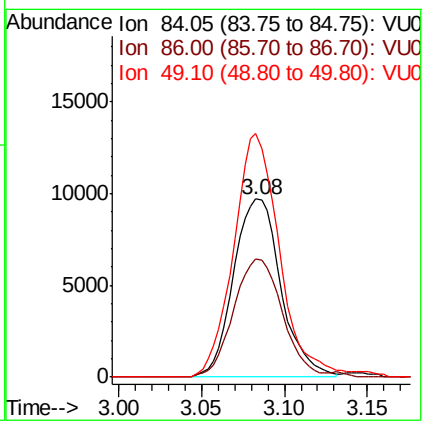


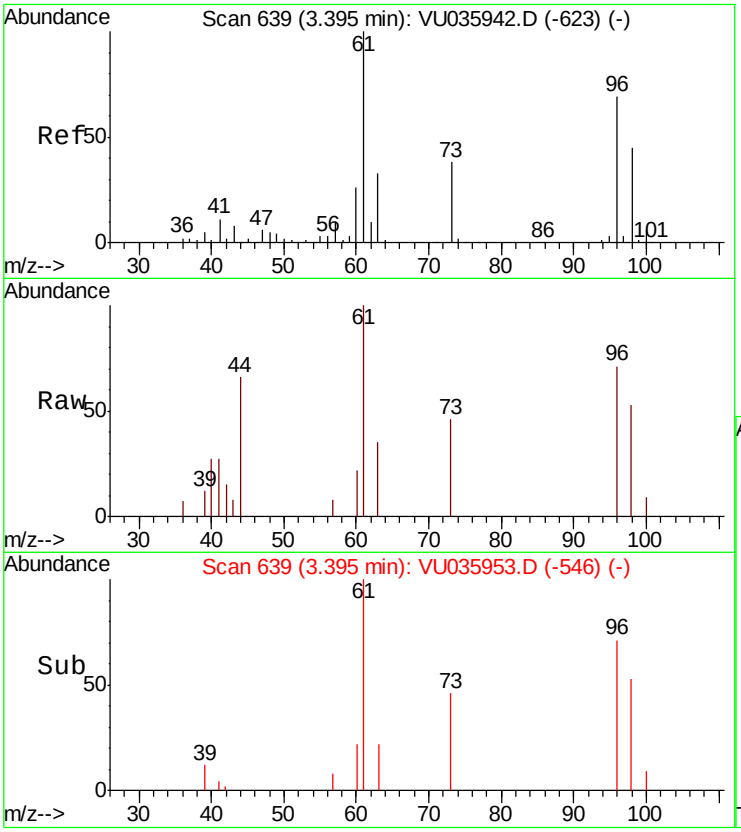


#16
Methylene chloride
Concen: 0.525 ug/L
RT: 3.08 min Scan# 542
Delta R.T. 0.00 min
Lab File: VU035953.D
Acq: 03 Dec 2019 17:32

Tgt Ion: 84 Resp: 19357

Ion	Ratio	Lower	Upper
84	100		
86	66.3	44.7	82.9
49	136.7	86.2	160.2



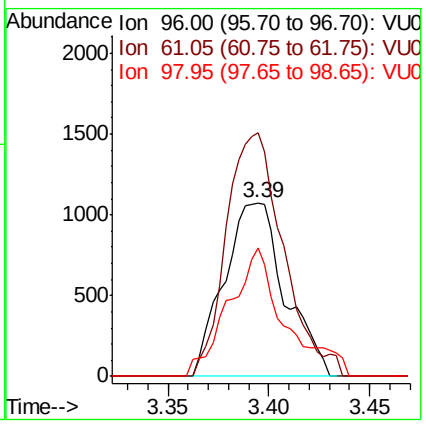


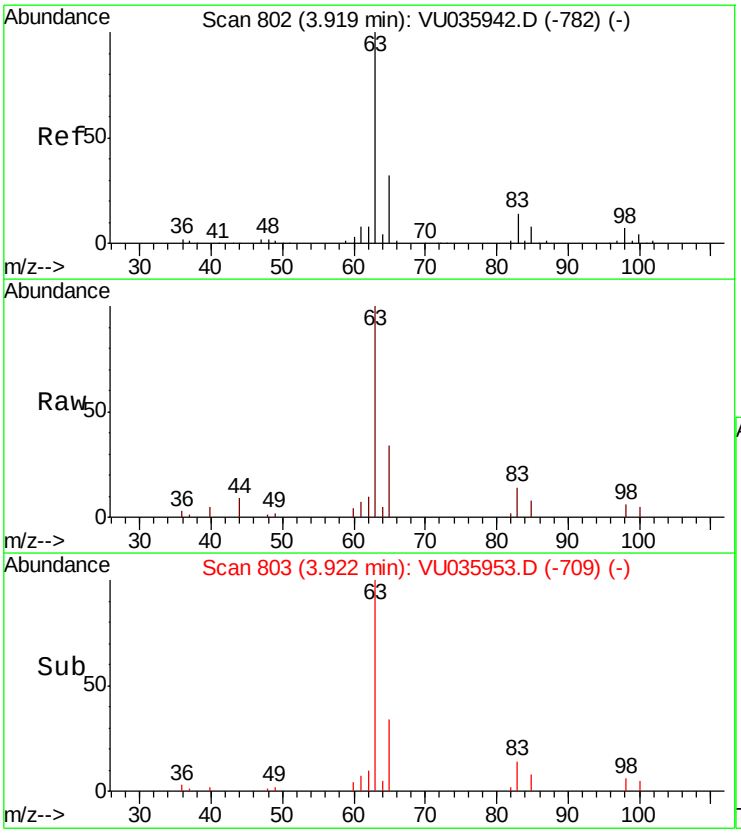
#18
trans-1,2-Dichloroethene
Concen: 0.089 ug/L
RT: 3.39 min Scan# 639
Delta R.T. 0.00 min
Lab File: VU035953.D
Acq: 03 Dec 2019 17:32

Instrument :
MSVOA_U
ClientSampleId :
BFE11DL

Tgt Ion: 96 Resp: 2255

Ion	Ratio	Lower	Upper
96	100		
61	140.5	101.2	187.8
98	74.2	45.0	83.6

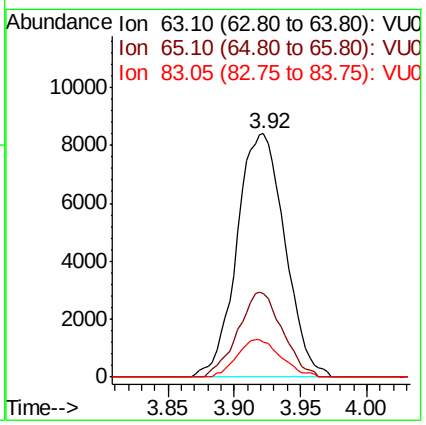


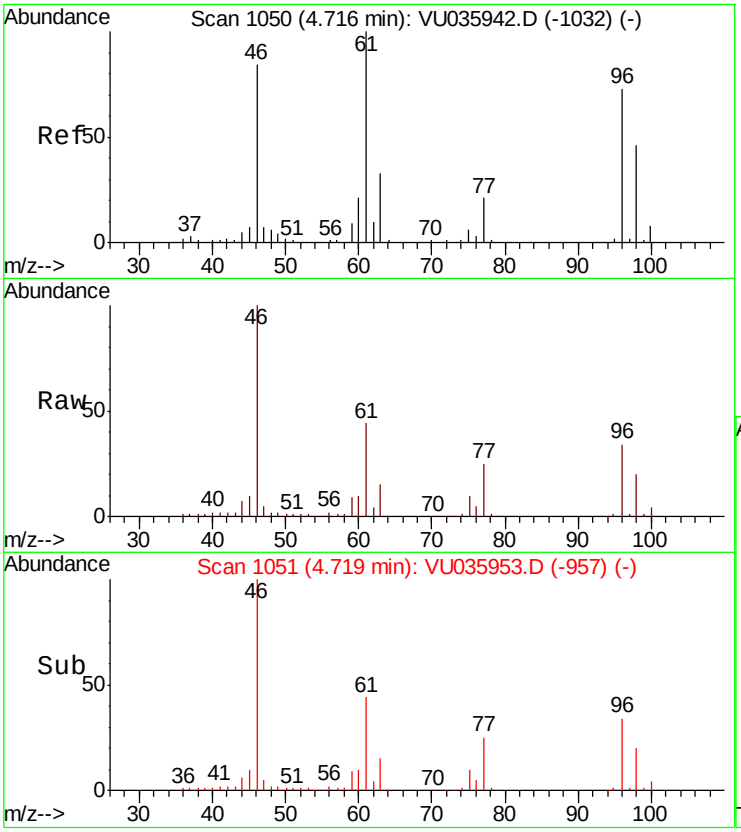


#19
1,1-Dichloroethane
Concen: 0.428 ug/L
RT: 3.92 min Scan# 803
Delta R.T. 0.00 min
Lab File: VU035953.D
Acq: 03 Dec 2019 17:32

Tgt Ion: 63 Resp: 21100

Ion	Ratio	Lower	Upper
63	100		
65	34.5	22.4	41.6
83	14.5	9.8	18.2



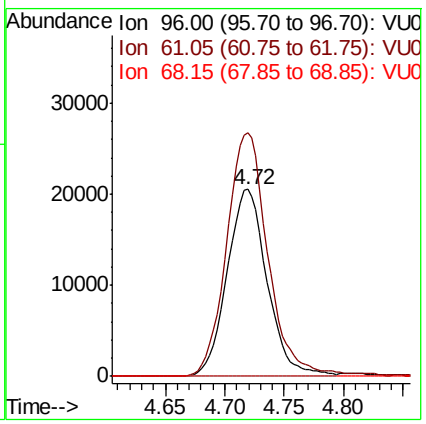


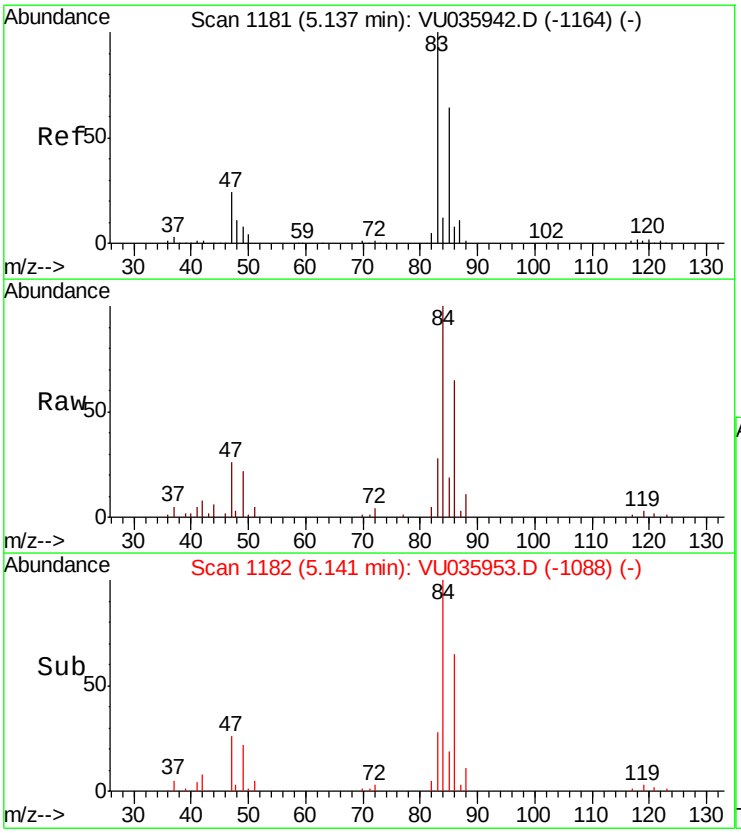
#22
cis-1,2-Dichloroethene
Concen: 1.794 ug/L
RT: 4.72 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VU035953.D
Acq: 03 Dec 2019 17:32

Instrument :
MSVOA_U
ClientSampleId :
BFE11DL

Tgt Ion: 96 Resp: 47784

Ion	Ratio	Lower	Upper
96	100		
61	130.4	95.7	177.7
68	0.0	0.0	0.0

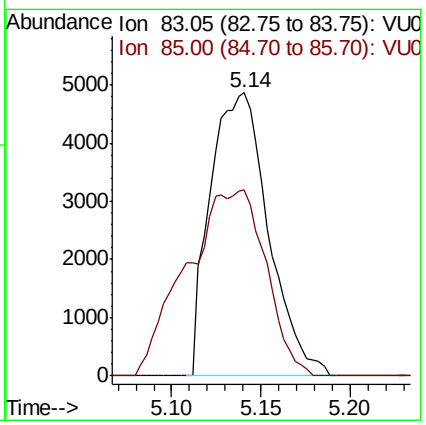


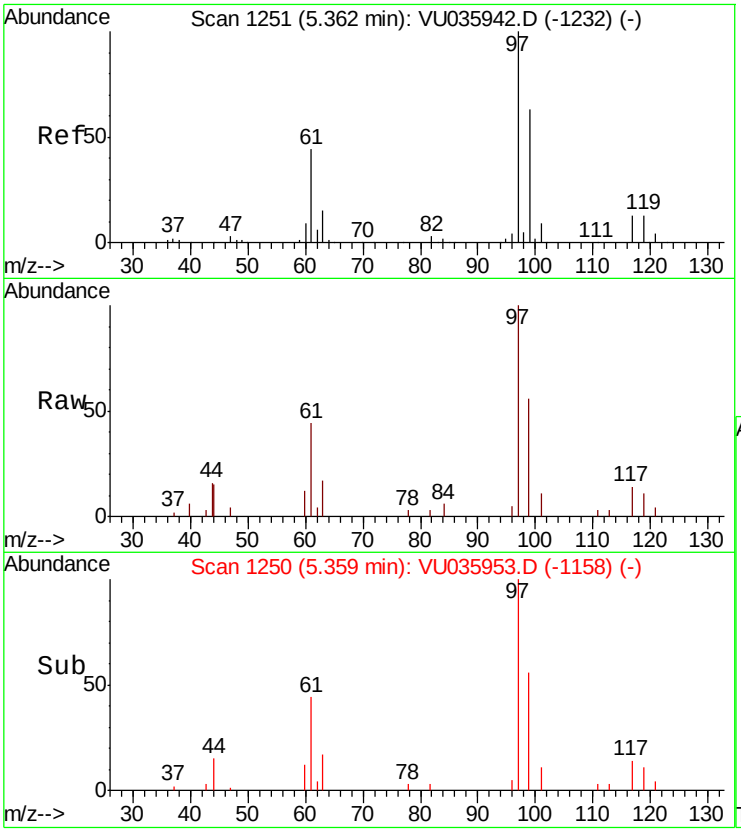


#25
Chloroform
Concen: 0.221 ug/L
RT: 5.14 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VU035953.D
Acq: 03 Dec 2019 17:32

Tgt Ion: 83 Resp: 11011

Ion	Ratio	Lower	Upper
83	100		
85	65.7	45.4	84.2



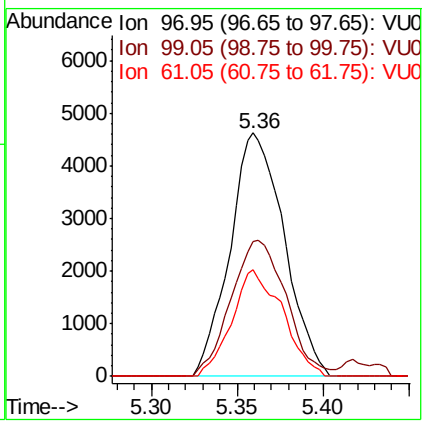


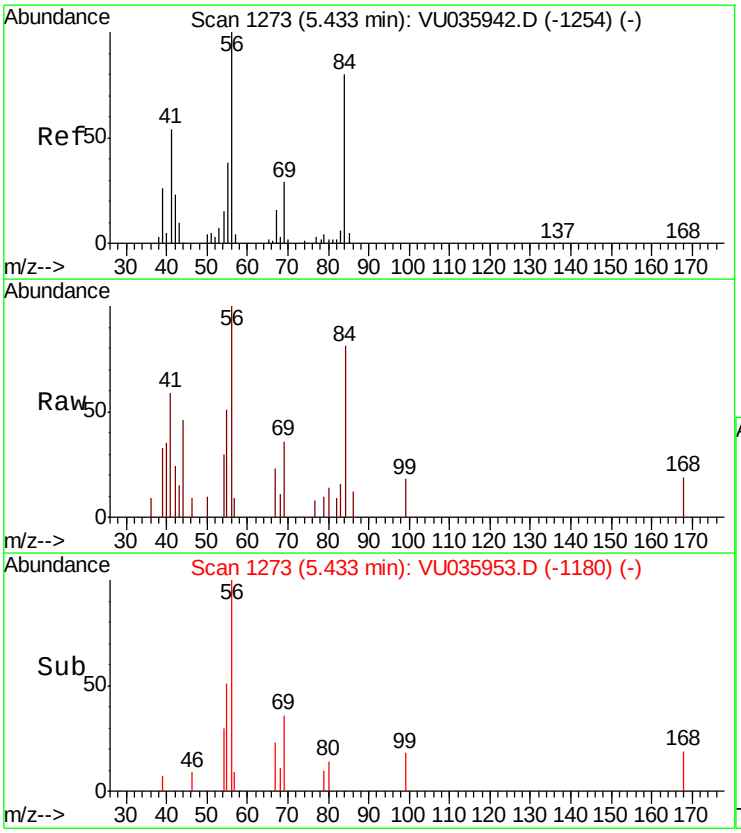
#29
1,1,1-Trichloroethane
Concen: 0.243 ug/L
RT: 5.36 min Scan# 1250
Delta R.T. -0.00 min
Lab File: VU035953.D
Acq: 03 Dec 2019 17:32

Instrument : MSVOA_U
ClientSampleId : BFE11DL

Tgt Ion: 97 Resp: 10093

Ion	Ratio	Lower	Upper
97	100		
99	57.3	51.8	77.8
61	41.0	37.6	56.4

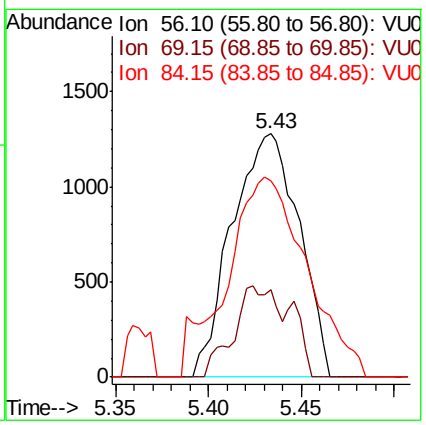


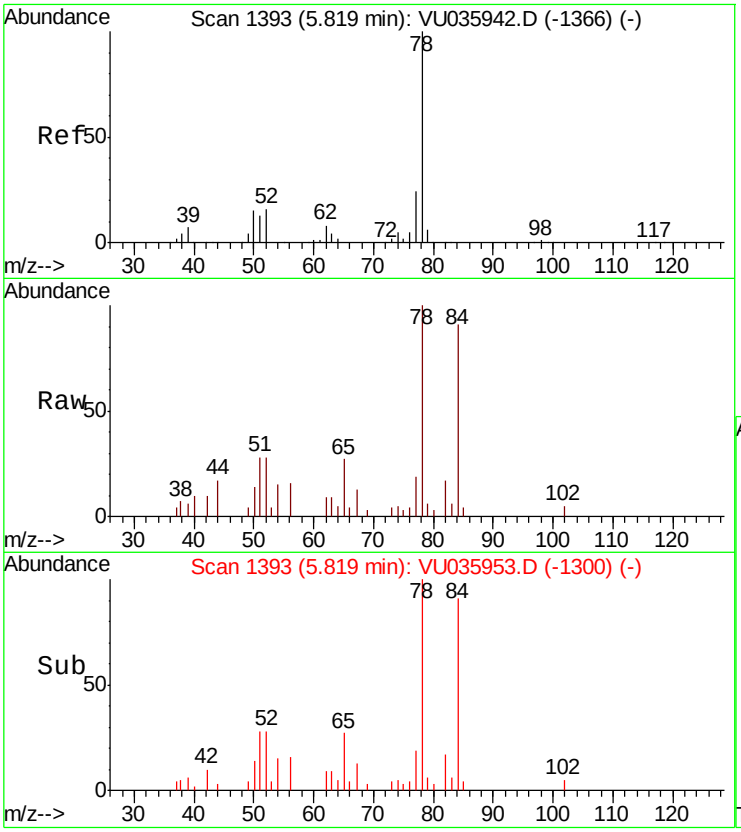


#30
Cyclohexane
Concen: 0.078 ug/L
RT: 5.43 min Scan# 1273
Delta R.T. 0.00 min
Lab File: VU035953.D
Acq: 03 Dec 2019 17:32

Tgt Ion: 56 Resp: 3219

Ion	Ratio	Lower	Upper
56	100		
69	24.3	24.0	36.0
84	92.5	66.9	100.3

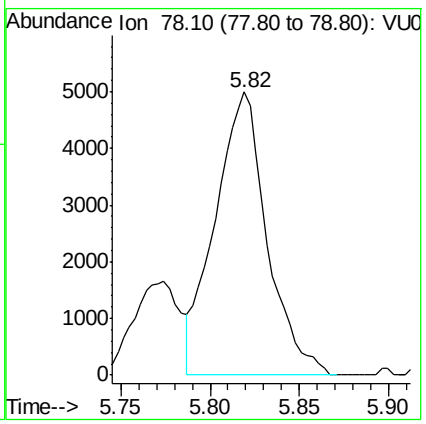


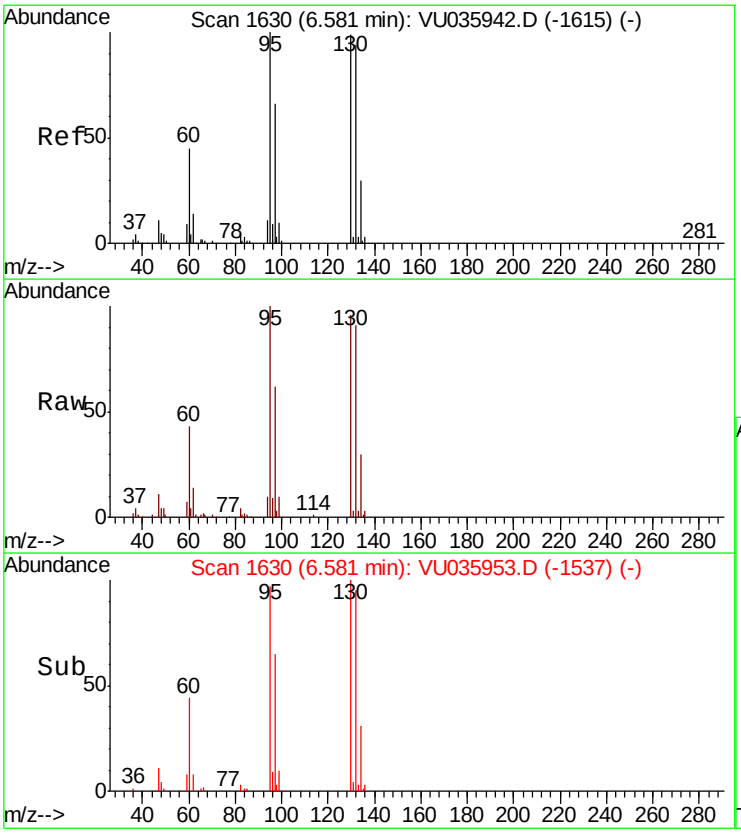


#33
Benzene
Concen: 0.093 ug/L
RT: 5.82 min Scan# 1393
Delta R.T. 0.00 min
Lab File: VU035953.D
Acq: 03 Dec 2019 17:32

Instrument :
MSVOA_U
ClientSampleId :
BFE11DL

Tgt Ion: 78 Resp: 10106

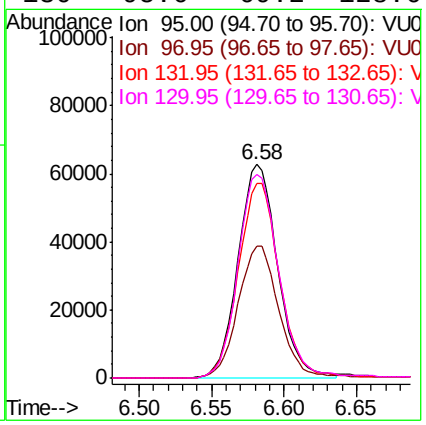


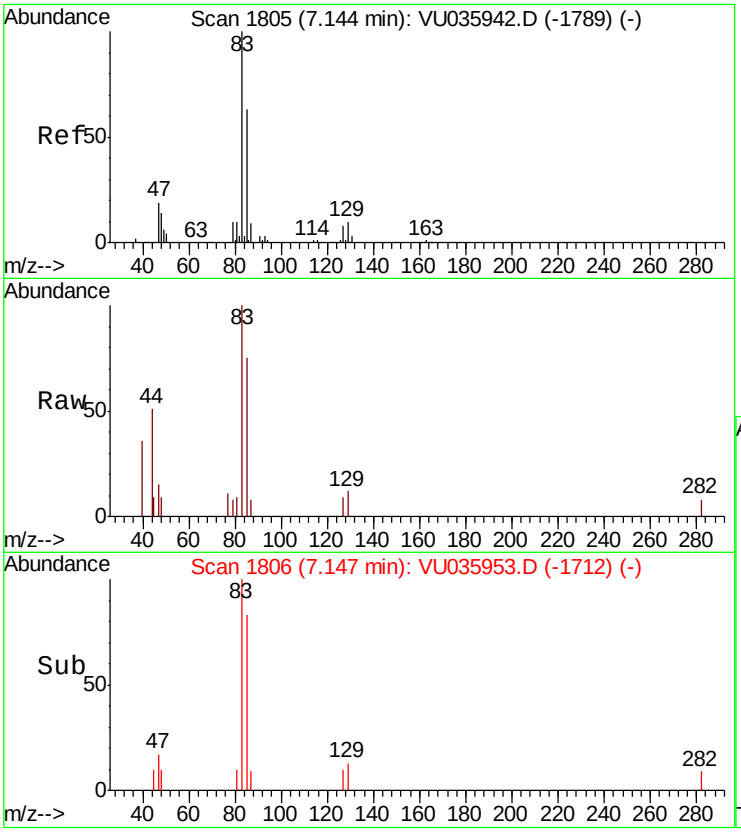


#34
Trichloroethene
Concen: 4.358 ug/L
RT: 6.58 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VU035953.D
Acq: 03 Dec 2019 17:32

Tgt Ion: 95 Resp: 119246

Ion	Ratio	Lower	Upper
95	100		
97	61.9	46.3	85.9
132	91.3	65.7	122.1
130	95.6	69.2	128.6



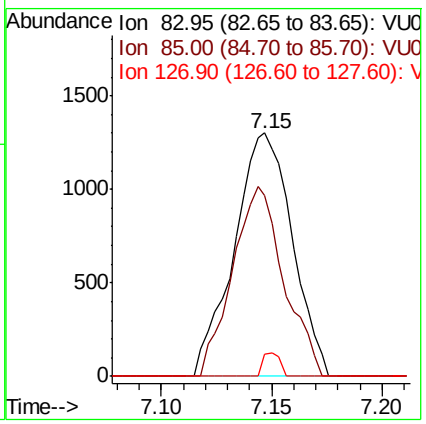


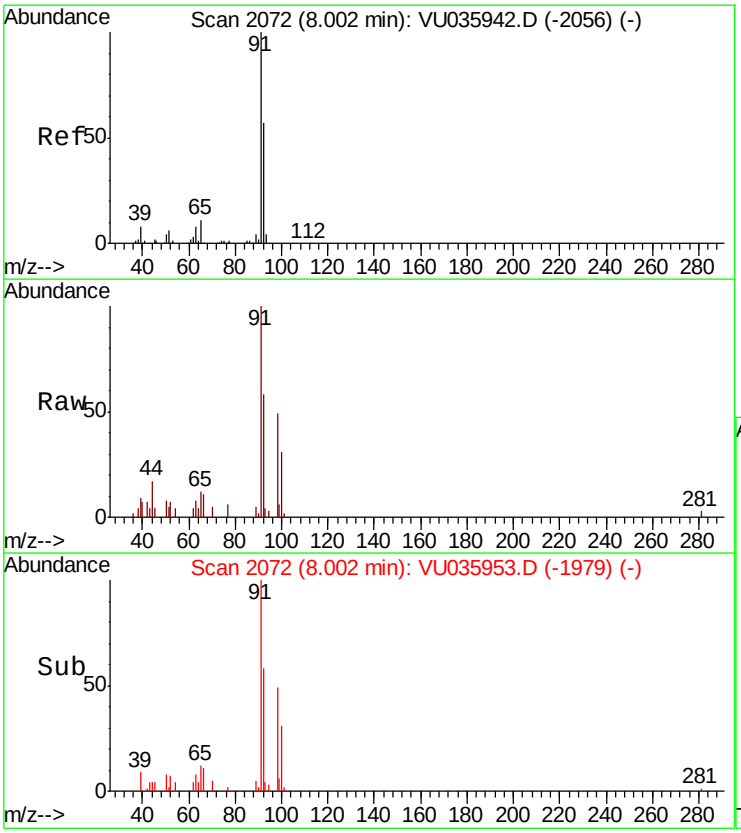
#38
Bromodichloromethane
Concen: 0.068 ug/L
RT: 7.15 min Scan# 1806
Delta R.T. 0.00 min
Lab File: VU035953.D
Acq: 03 Dec 2019 17:32

Instrument :
MSVOA_U
ClientSampleId :
BFE11DL

Tgt Ion: 83 Resp: 2372

Ion	Ratio	Lower	Upper
83	100		
85	74.5	44.0	81.8
127	9.3	6.5	9.7

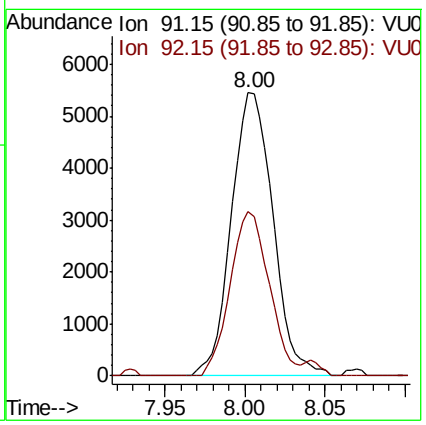


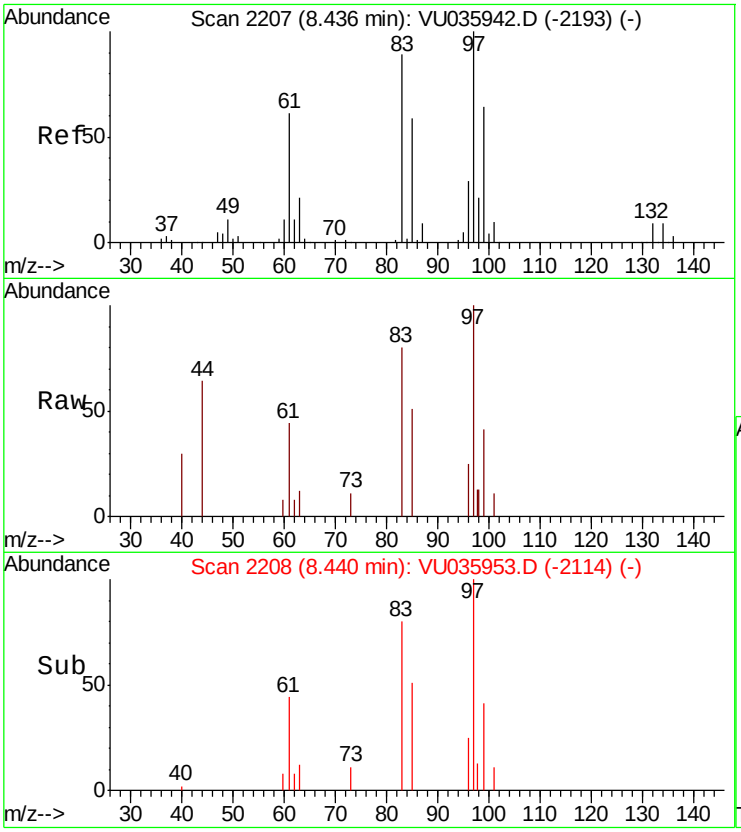


#42
Toluene
Concen: 0.086 ug/L
RT: 8.00 min Scan# 2072
Delta R.T. 0.00 min
Lab File: VU035953.D
Acq: 03 Dec 2019 17:32

Tgt Ion: 91 Resp: 9665

Ion	Ratio	Lower	Upper
91	100		
92	58.2	39.8	74.0



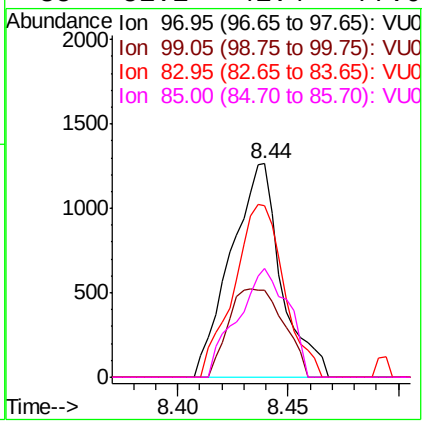


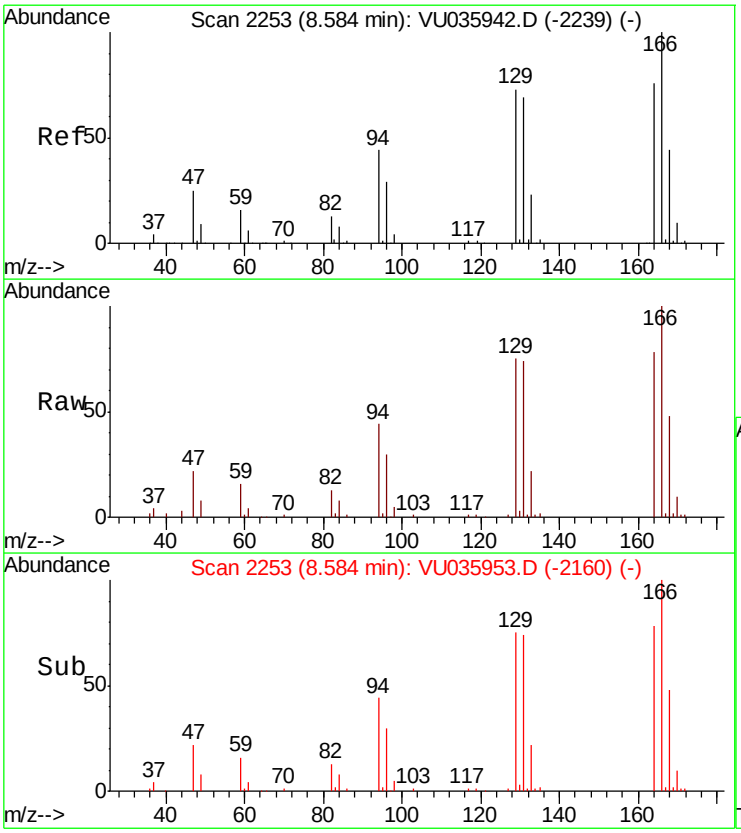
#45
1,1,2-Trichloroethane
Concen: 0.101 ug/L
RT: 8.44 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VU035953.D
Acq: 03 Dec 2019 17:32

Instrument :
MSVOA_U
ClientSampleId :
BFE11DL

Tgt Ion: 97 Resp: 2011

Ion	Ratio	Lower	Upper
97	100		
99	40.9	45.0	83.6#
83	80.2	62.1	115.3
85	51.1	41.4	77.0

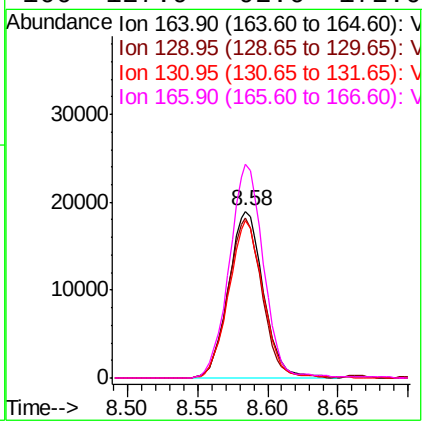


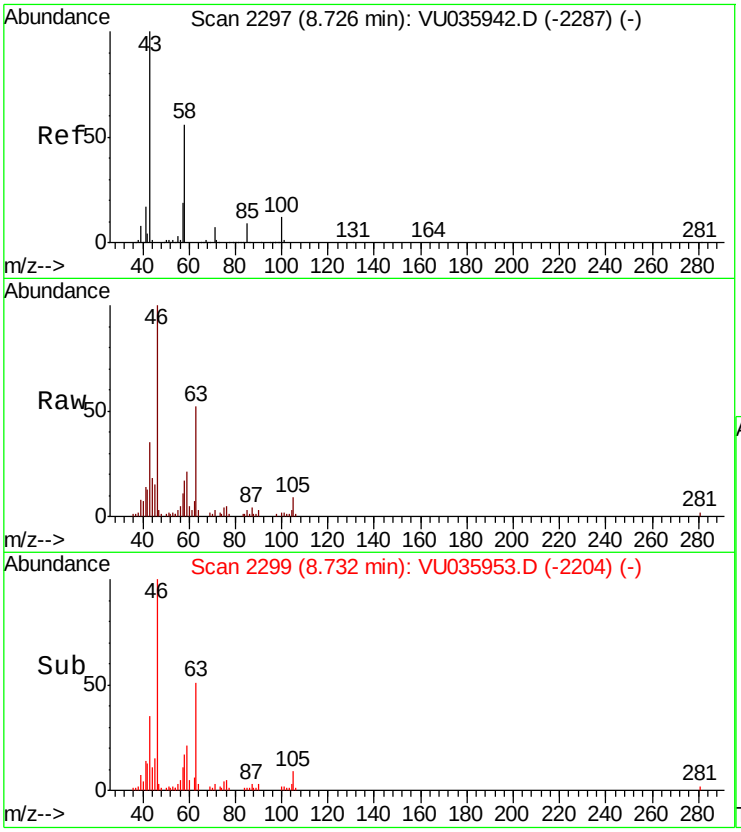


#47
Tetrachloroethene
Concen: 1.476 ug/L
RT: 8.58 min Scan# 2253
Delta R.T. 0.00 min
Lab File: VU035953.D
Acq: 03 Dec 2019 17:32

Tgt Ion:164 Resp: 32823

Ion	Ratio	Lower	Upper
164	100		
129	95.9	67.9	126.1
131	94.6	64.1	119.1
166	127.9	92.6	172.0



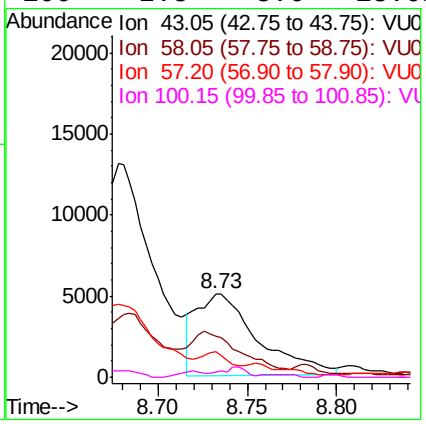


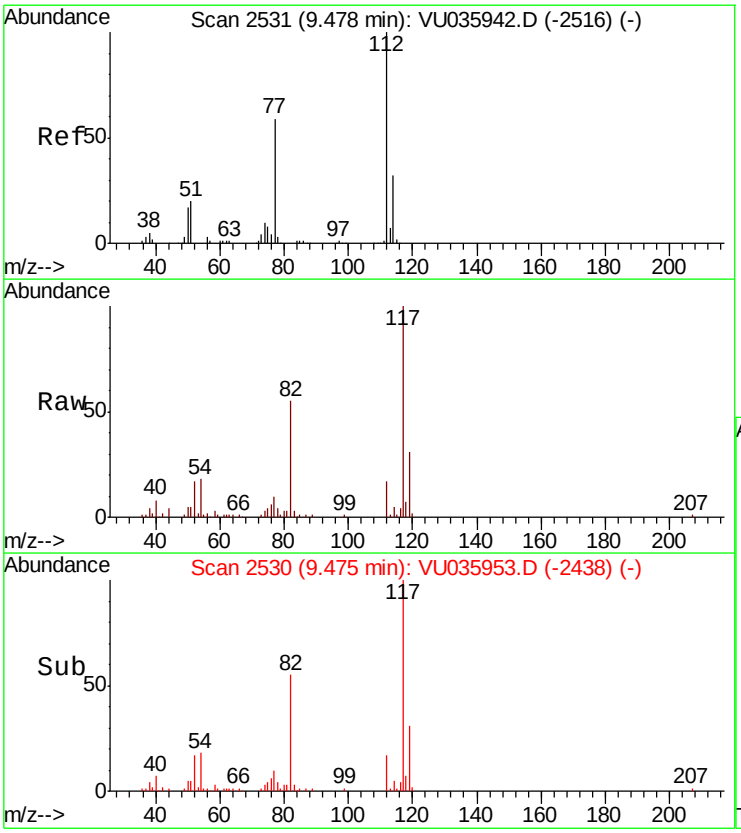
#48
2-Hexanone
Concen: 0.945 ug/L
RT: 8.73 min Scan# 2299
Delta R.T. 0.01 min
Lab File: VU035953.D
Acq: 03 Dec 2019 17:32

Instrument : MSVOA_U
ClientSampleId : BFE11DL

Tgt Ion: 43 Resp: 12017

Ion	Ratio	Lower	Upper
43	100		
58	50.2	45.4	68.2
57	14.4	14.9	22.3#
100	2.8	8.6	13.0#

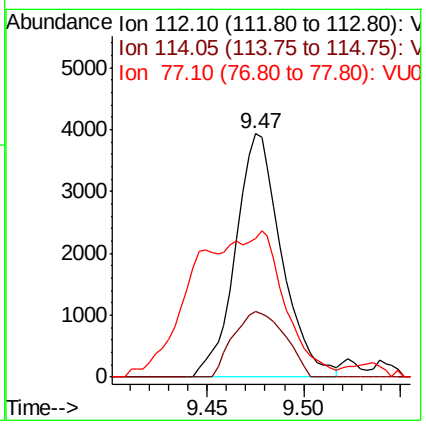


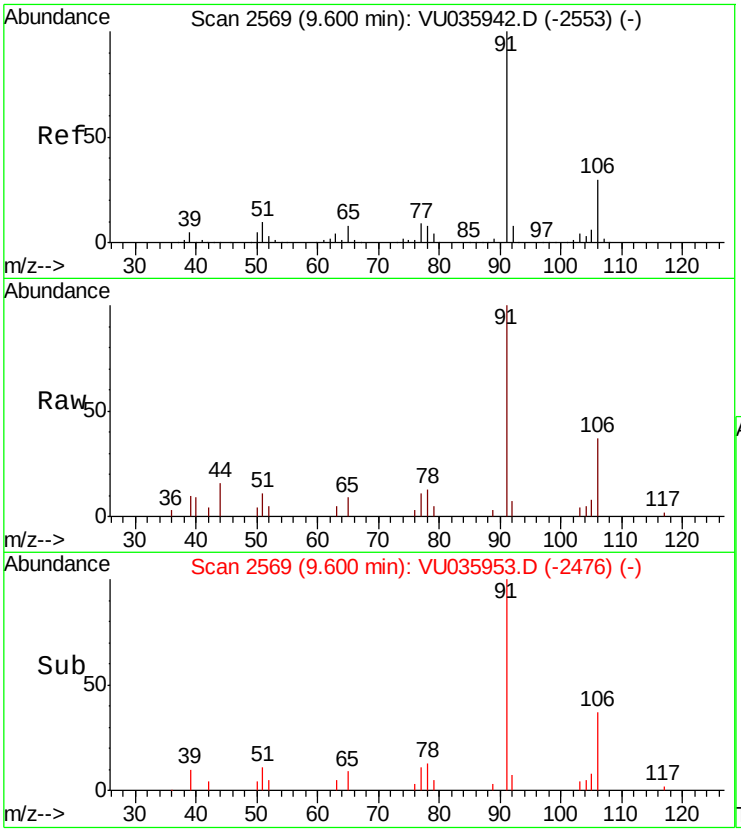


#51
Chlorobenzene
Concen: 0.092 ug/L
RT: 9.47 min Scan# 2530
Delta R.T. -0.00 min
Lab File: VU035953.D
Acq: 03 Dec 2019 17:32

Tgt Ion:112 Resp: 6522

Ion	Ratio	Lower	Upper
112	100		
114	27.0	22.5	41.7
77	57.1	47.7	71.5



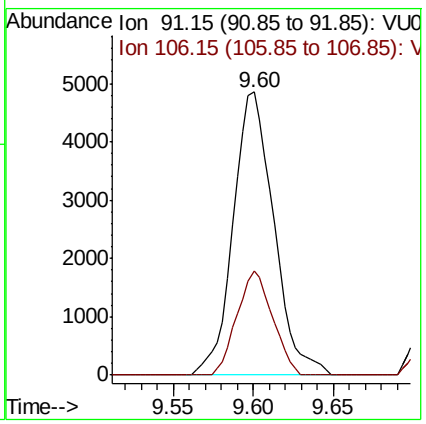


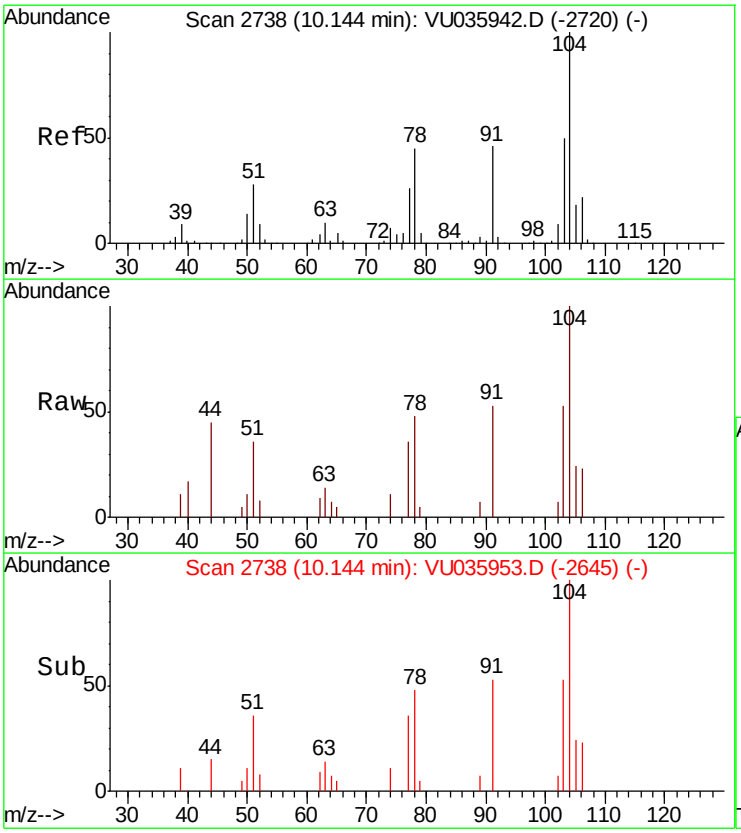
#52
Ethylbenzene
Concen: 0.073 ug/L
RT: 9.60 min Scan# 2569
Delta R.T. 0.00 min
Lab File: VU035953.D
Acq: 03 Dec 2019 17:32

Instrument : MSVOA_U
ClientSampleId : BFE11DL

Tgt Ion: 91 Resp: 8392

Ion	Ratio	Lower	Upper
91	100		
106	36.6	21.1	39.3

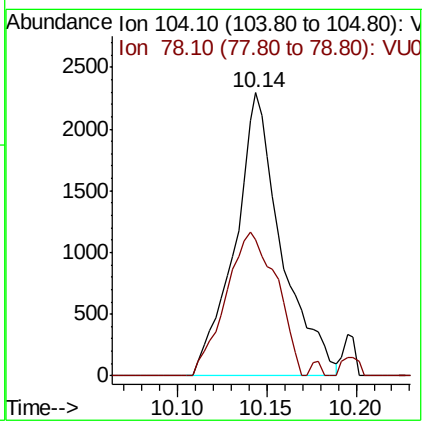


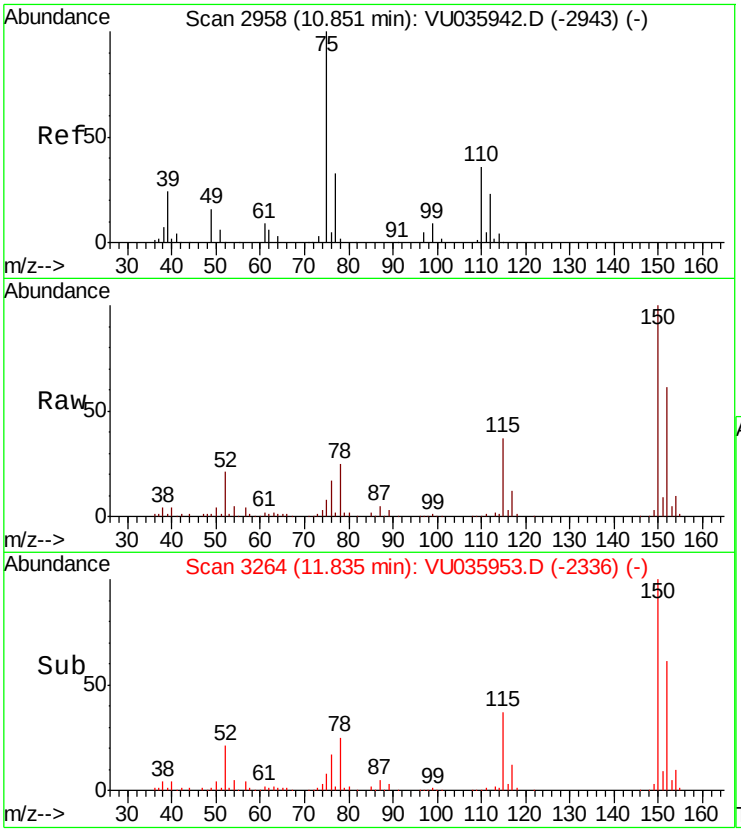


#55
Styrene
Concen: 0.061 ug/L
RT: 10.14 min Scan# 2738
Delta R.T. 0.00 min
Lab File: VU035953.D
Acq: 03 Dec 2019 17:32

Tgt Ion:104 Resp: 4161

Ion	Ratio	Lower	Upper
104	100		
78	48.1	31.2	58.0



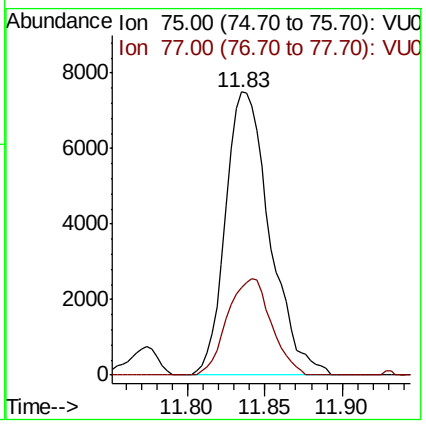


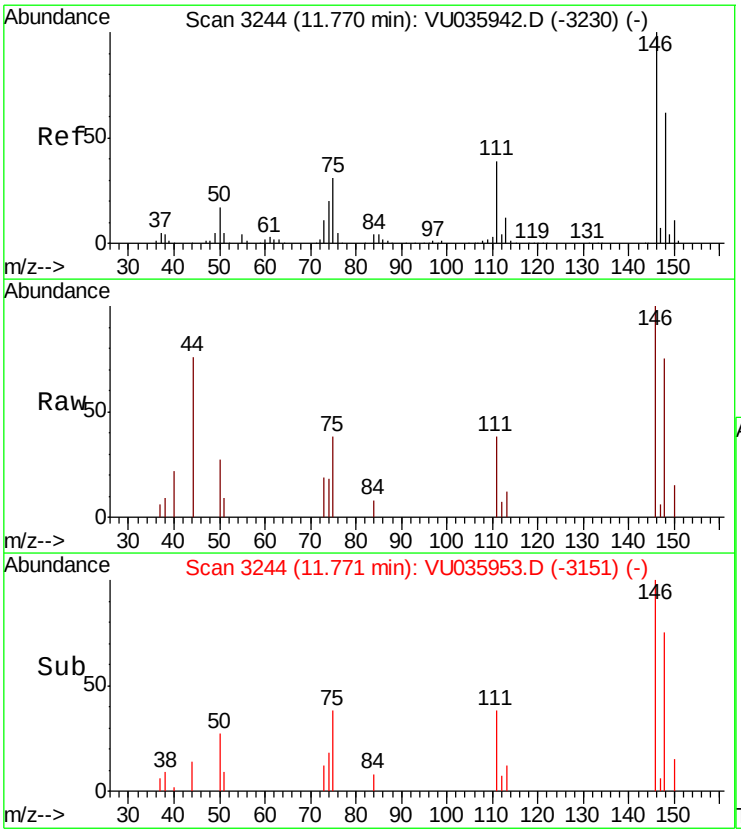
#59
1,2,3-Trichloropropane
Concen: 0.784 ug/L
RT: 11.83 min Scan# 3264
Delta R.T. 0.98 min
Lab File: VU035953.D
Acq: 03 Dec 2019 17:32

Instrument :
MSVOA_U
ClientSampleId :
BFE11DL

Tgt Ion: 75 Resp: 14930

Ion	Ratio	Lower	Upper
75	100		
77	33.6	26.6	39.8

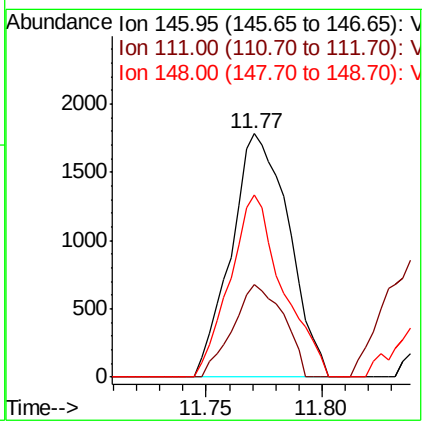


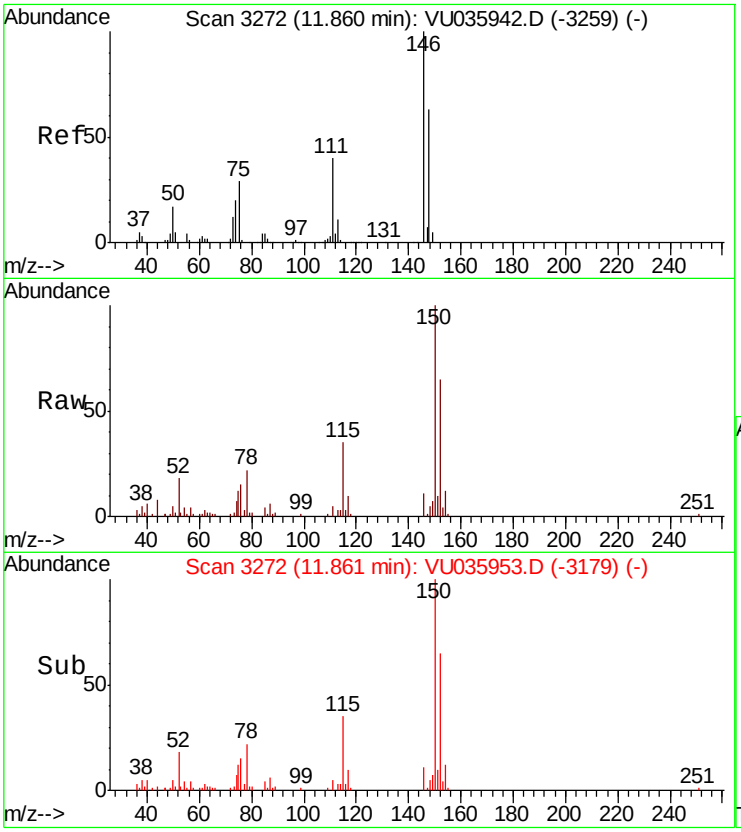


#62
1,3-Dichlorobenzene
Concen: 0.081 ug/L
RT: 11.77 min Scan# 3244
Delta R.T. 0.00 min
Lab File: VU035953.D
Acq: 03 Dec 2019 17:32

Tgt Ion:146 Resp: 3083

Ion	Ratio	Lower	Upper
146	100		
111	37.9	27.6	51.4
148	75.0	43.4	80.6



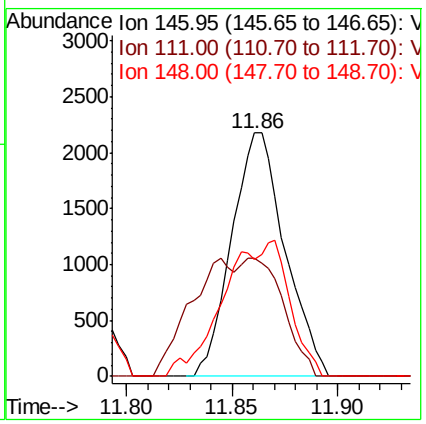


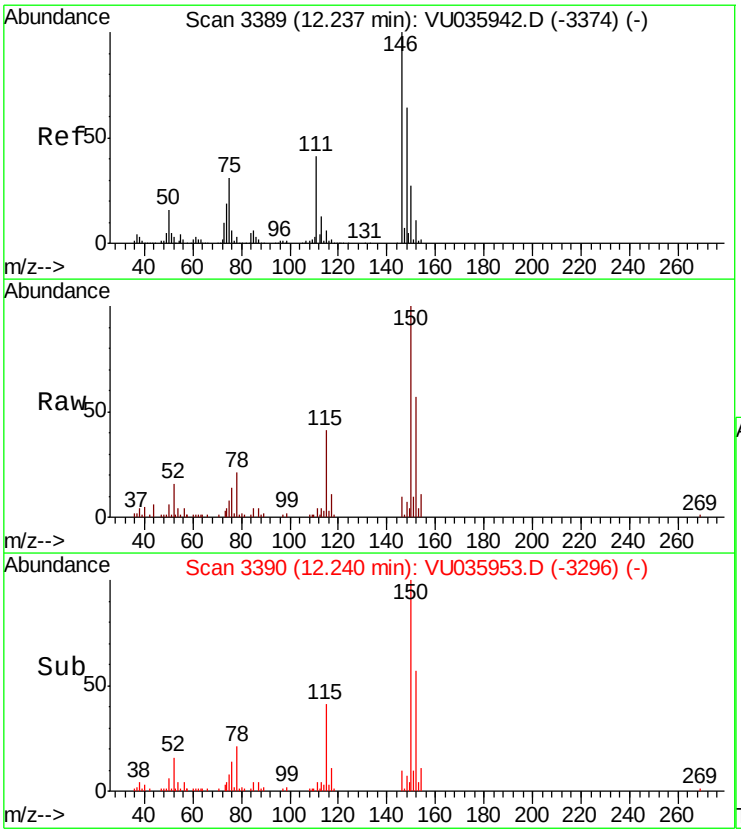
#63
1,4-Dichlorobenzene
Concen: 0.101 ug/L
RT: 11.86 min Scan# 3272
Delta R.T. 0.00 min
Lab File: VU035953.D
Acq: 03 Dec 2019 17:32

Instrument :
MSVOA_U
ClientSampleId :
BFE11DL

Tgt Ion:146 Resp: 3815

Ion	Ratio	Lower	Upper
146	100		
111	48.5	28.5	52.9
148	48.3	44.4	82.5





#65
1,2-Dichlorobenzene
Concen: 0.103 ug/L
RT: 12.24 min Scan# 3390
Delta R.T. 0.00 min
Lab File: VU035953.D
Acq: 03 Dec 2019 17:32

Tgt Ion:146 Resp: 3752

Ion	Ratio	Lower	Upper
146	100		
111	35.6	32.6	48.8
148	70.2	50.9	76.3