Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU021419\

Quantitation Report (Not Reviewed)

Data File : VU029475.D
Acq On : 14 Feb 2019 23:05
Operator : JC/SP
Sample : K1438-14MS
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 32 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ESXD6MS

Quant Time: Feb 15 01:59:43 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Feb 15 01:55:09 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	188326	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	177116	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	93952	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.40	65	49574	3.92	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 78.40%			
7) Chloroethane-d5	1.68	69	48368	4.33	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 86.60%			
11) 1,1-Dichloroethene-d2	2.28	63	117701	4.28	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 85.60%			
20) 2-Butanone-d5	4.19	46	137353	52.21	ug/L	0.00
Spiked Amount 50.000	Range 40 - 130		Recovery = 104.42%			
24) Chloroform-d	4.65	84	90417	4.49	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 89.80%			
26) 1,2-Dichloroethane-d4	5.31	65	49587	4.63	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 92.60%			
32) Benzene-d6	5.34	84	188617	4.43	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 88.60%			
36) 1,2-Dichloropropane-d6	6.33	67	59279	4.71	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 94.20%			
41) Toluene-d8	7.56	98	179871	4.28	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 85.60%			
43) trans-1,3-Dichloropropene-	7.85	79	23398	4.16	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 83.20%			
46) 2-Hexanone-d5	8.31	63	136245	52.64	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 105.28%			
57) 1,1,2,2-Tetrachloroethane-	10.43	84	52755	4.83	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 96.60%			
64) 1,2-Dichlorobenzene-d4	11.86	152	82806	4.78	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 95.60%			
Target Compounds						Qvalue
5) Vinyl chloride	1.40	62	298866	16.478	ug/L	97
8) Chloroethane	1.55	64	109453	9.268	ug/L #	53
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	1514	0.093	ug/L #	25
12) 1,1-Dichloroethene	2.28	96	75751	4.888	ug/L	94
13) Acetone	2.32	43	5208	2.179	ug/L	99
15) Methyl Acetate	2.63	43	634	0.104	ug/L #	47
18) trans-1,2-Dichloroethene	2.98	96	18238	1.104	ug/L	95
22) cis-1,2-Dichloroethene	4.22	96	1268625	83.451	ug/L	99
25) Chloroform	4.68	83	4060	0.163	ug/L	82
27) 1,2-Dichloroethane	5.39	62	2081	0.144	ug/L #	72
33) Benzene	5.39	78	244919	4.698	ug/L	100
34) Trichloroethene	6.18	95	118806	8.105	ug/L	97
35) Methylcyclohexane	6.33	83	14387	0.583	ug/L #	21
37) 1,2-Dichloropropane	6.33	63	6679	0.511	ug/L #	87
39) cis-1,3-Dichloropropene	7.22	75	1465	0.071	ug/L #	54
40) 4-Methyl-2-pentanone	7.40	43	10331	1.373	ug/L #	41
42) Toluene	7.63	91	278393	4.758	ug/L	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU021419\

Quantitation Report (Not Reviewed)

Data File : VU029475.D
Acq On : 14 Feb 2019 23:05
Operator : JC/SP
Sample : K1438-14MS
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 32 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ESXD6MS

Quant Time: Feb 15 01:59:43 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Feb 15 01:55:09 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
47) Tetrachloroethene	8.22	164	87484	6.516	ug/L		98
48) 2-Hexanone	8.31	43	14487	2.641	ug/L	#	67
49) Dibromochloromethane	8.22	129	76364	5.665	ug/L	#	11
51) Chlorobenzene	9.12	112	186416	4.632	ug/L		99
53) m,p-xylene	9.37	106	1596	0.060	ug/L		83
59) 1,2,3-Trichloropropane	11.48	75	9194	1.098	ug/L		99

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

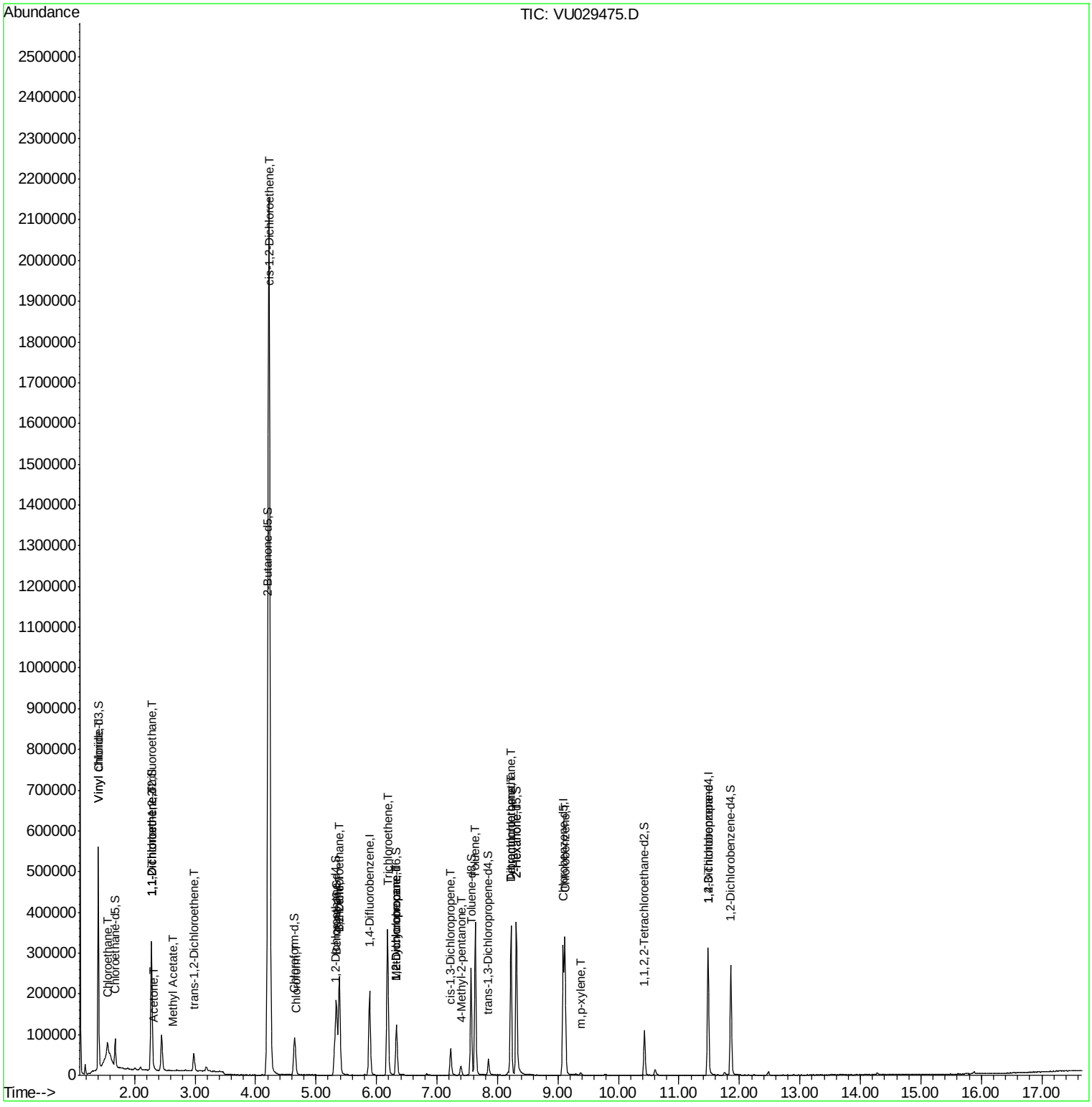
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU021419\

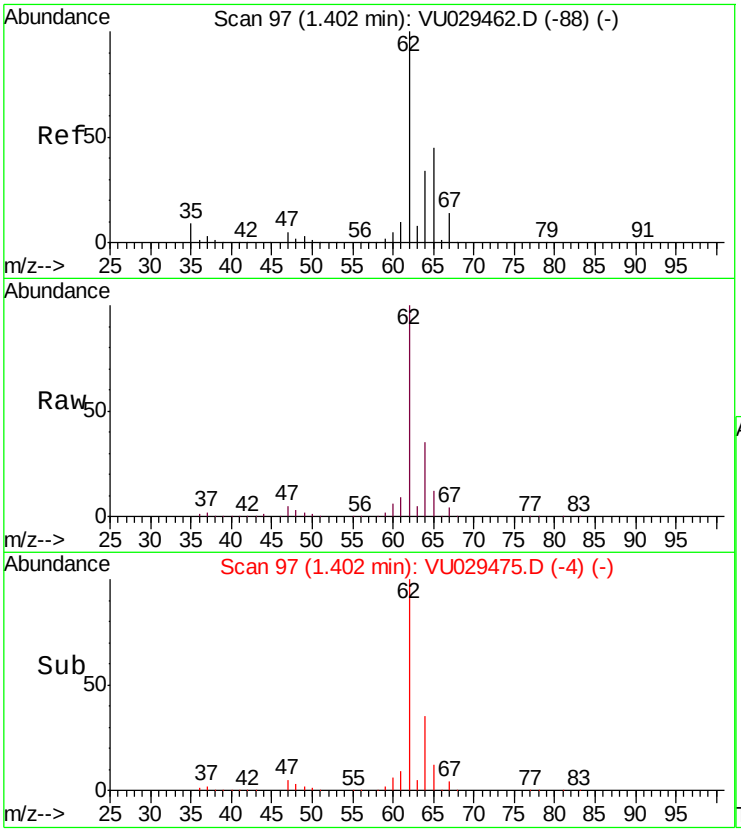
Quantitation Report (Not Reviewed)

Data File : VU029475.D
Acq On : 14 Feb 2019 23:05
Operator : JC/SP
Sample : K1438-14MS
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 32 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ESXD6MS

Quant Time: Feb 15 01:59:43 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Feb 15 01:55:09 2019
Response via : Initial Calibration



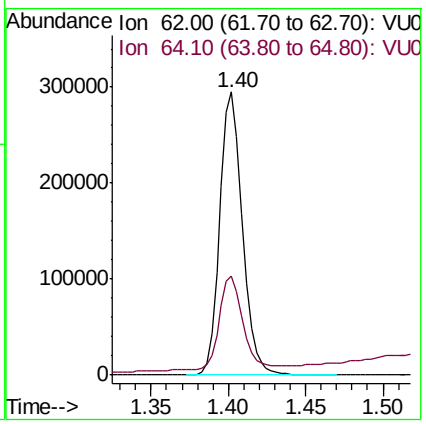


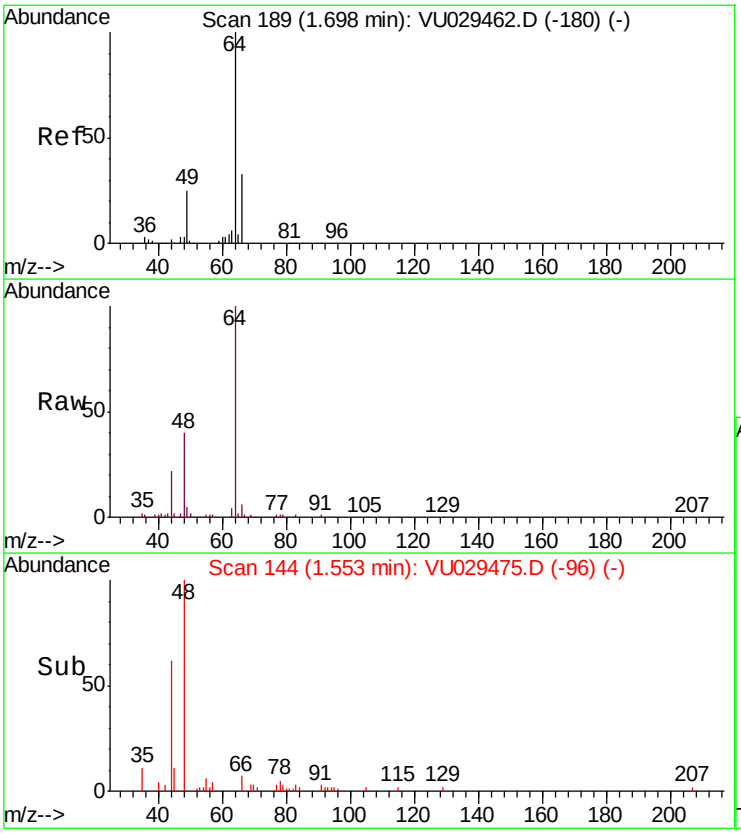
#5
Vinyl chloride
Concen: 16.478 ug/L
RT: 1.40 min Scan# 97
Delta R.T. 0.00 min
Lab File: VU029475.D
Acq: 14 Feb 2019 23:05

Instrument :
MSVOA_U
ClientSampleId :
ESXD6MS

Tgt Ion: 62 Resp: 298866

Ion	Ratio	Lower	Upper
62	100		
64	35.1	23.5	43.7

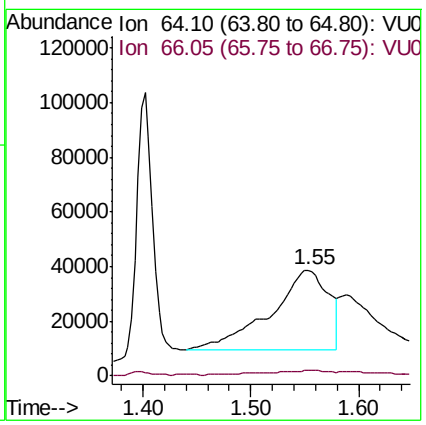


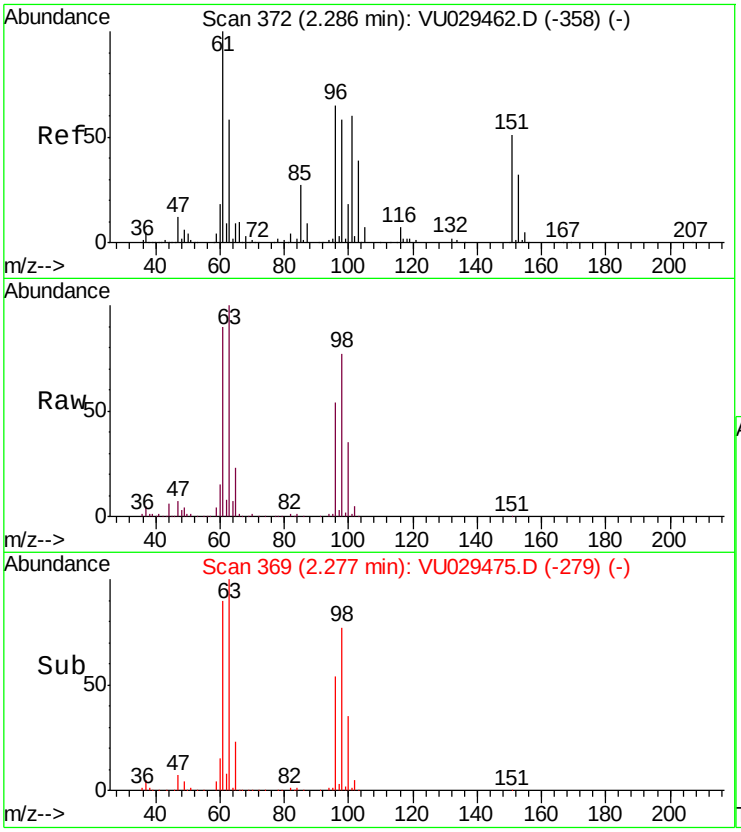


#8
Chloroethane
Concen: 9.268 ug/L
RT: 1.55 min Scan# 144
Delta R.T. -0.14 min
Lab File: VU029475.D
Acq: 14 Feb 2019 23:05

Tgt Ion: 64 Resp: 109453

Ion	Ratio	Lower	Upper
64	100		
66	5.5	22.0	40.8#



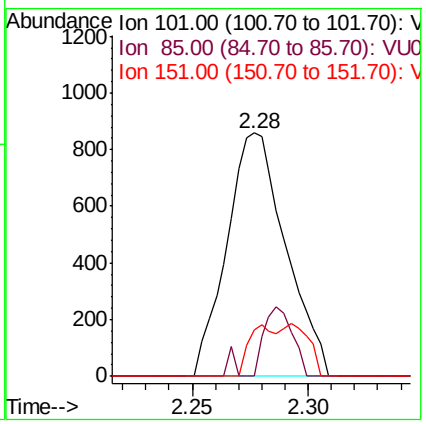


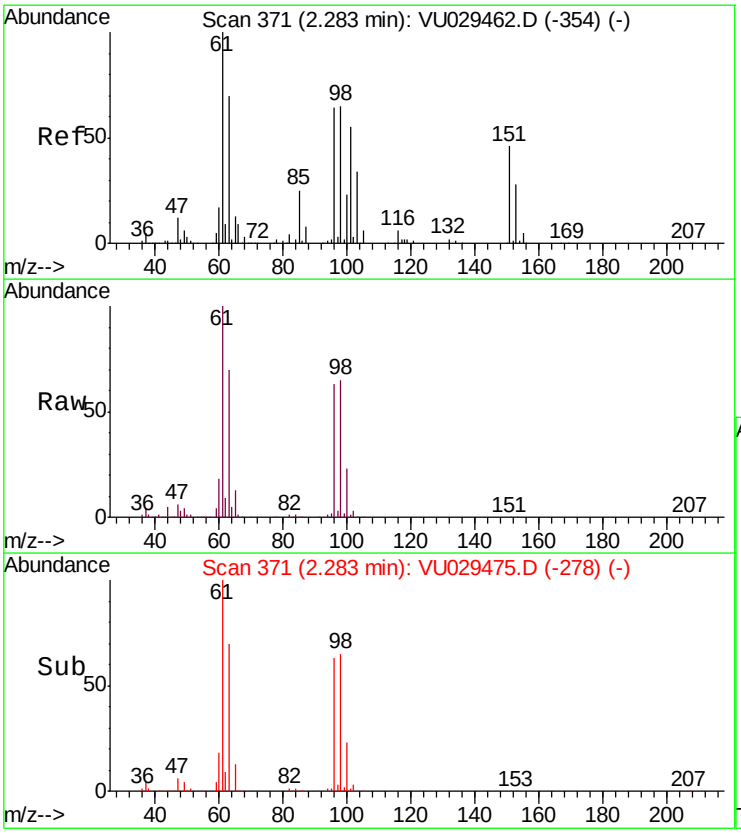
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.093 ug/L
RT: 2.28 min Scan# 369
Delta R.T. -0.01 min
Lab File: VU029475.D
Acq: 14 Feb 2019 23:05

Instrument :
MSVOA_U
ClientSampleId :
ESXD6MS

Tgt Ion:101 Resp: 1514

Ion	Ratio	Lower	Upper
101	100		
85	3.1	35.1	52.7#
151	9.8	67.0	100.6#

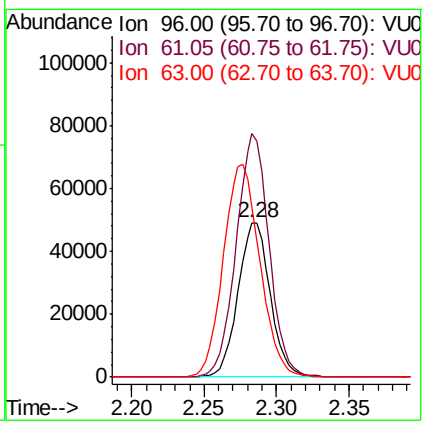


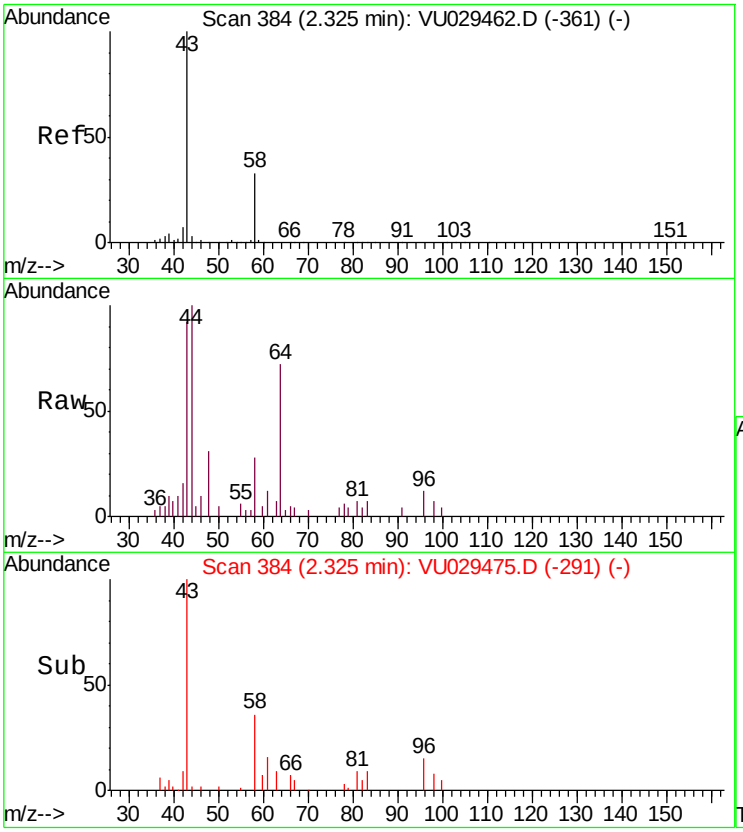


#12
1,1-Dichloroethene
Concen: 4.888 ug/L
RT: 2.28 min Scan# 371
Delta R.T. 0.00 min
Lab File: VU029475.D
Acq: 14 Feb 2019 23:05

Tgt Ion: 96 Resp: 75751

Ion	Ratio	Lower	Upper
96	100		
61	157.8	115.1	213.7
63	110.4	83.5	155.1



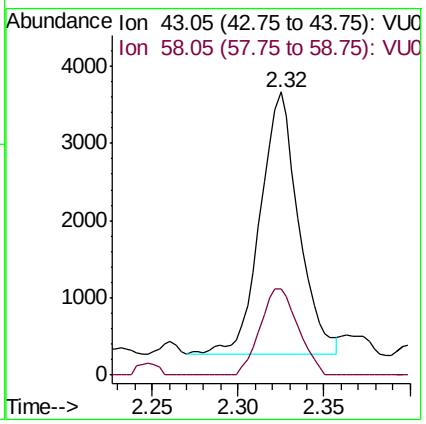


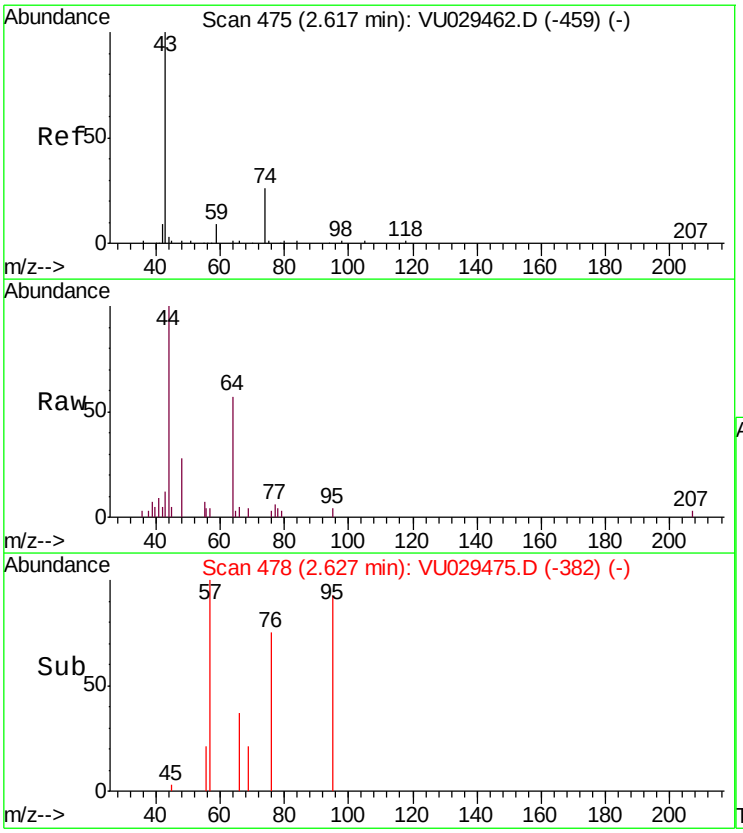
#13
Acetone
Concen: 2.179 ug/L
RT: 2.32 min Scan# 384
Delta R.T. 0.00 min
Lab File: VU029475.D
Acq: 14 Feb 2019 23:05

Instrument :
MSVOA_U
ClientSampleId :
ESXD6MS

Tgt Ion: 43 Resp: 5208

Ion	Ratio	Lower	Upper
43	100		
58	32.9	0.0	65.0

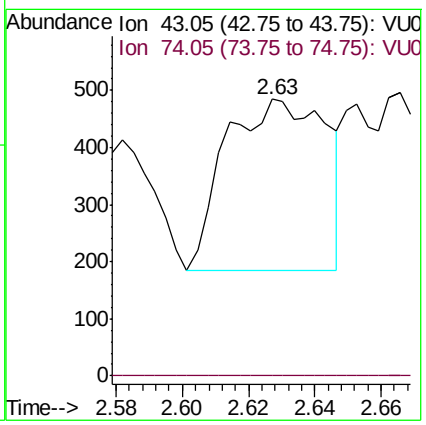


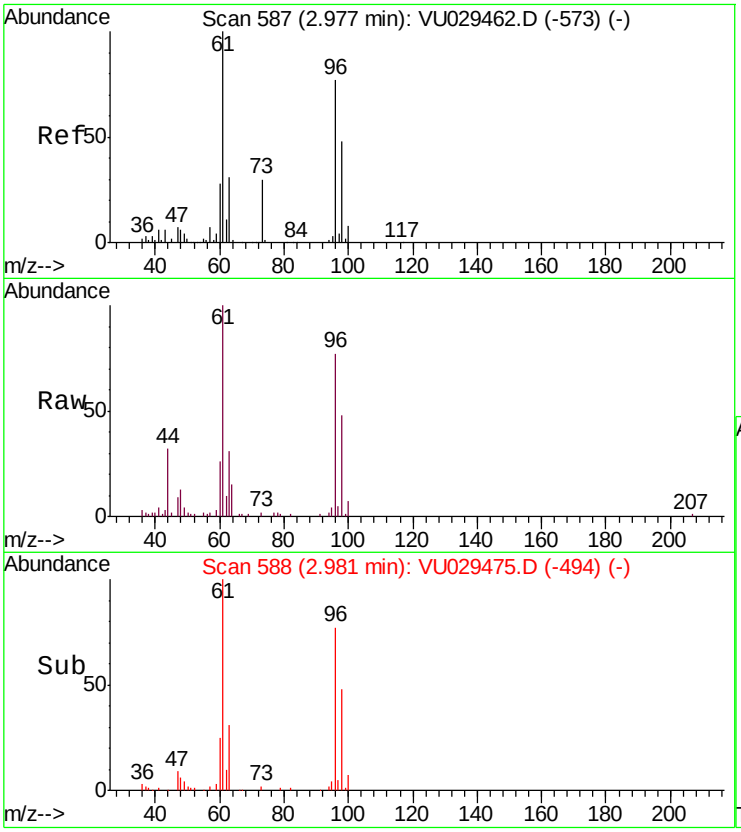


#15
Methyl Acetate
Concen: 0.104 ug/L
RT: 2.63 min Scan# 478
Delta R.T. 0.01 min
Lab File: VU029475.D
Acq: 14 Feb 2019 23:05

Tgt Ion: 43 Resp: 634

Ion	Ratio	Lower	Upper
43	100		
74	0.0	22.3	33.5#



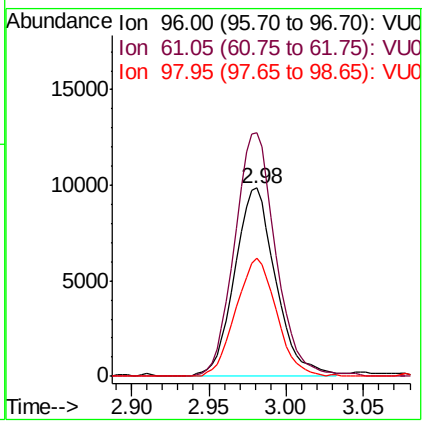


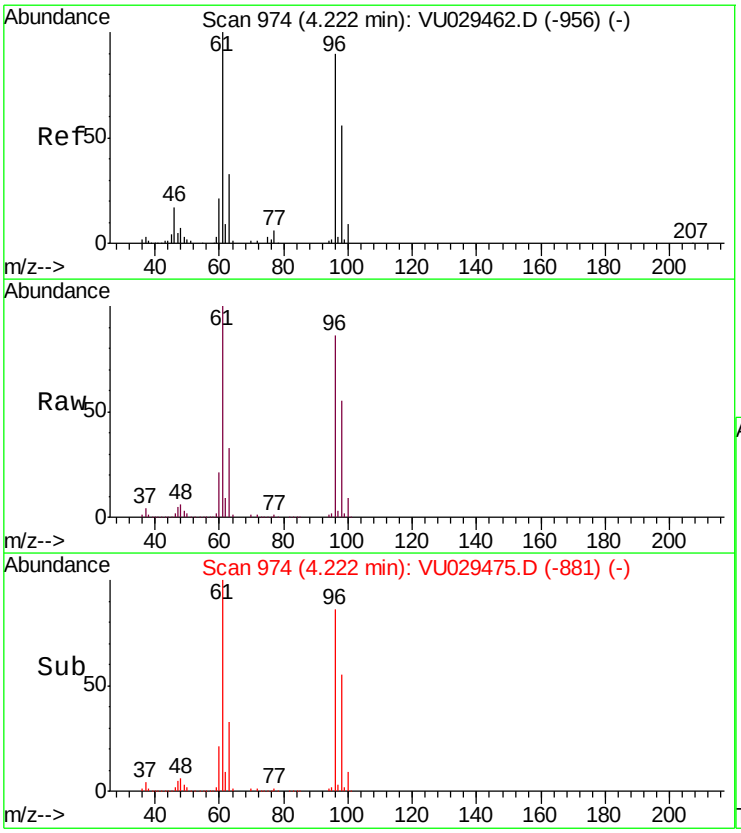
#18
trans-1,2-Dichloroethene
Concen: 1.104 ug/L
RT: 2.98 min Scan# 588
Delta R.T. 0.00 min
Lab File: VU029475.D
Acq: 14 Feb 2019 23:05

Instrument :
MSVOA_U
ClientSampleId :
ESXD6MS

Tgt Ion: 96 Resp: 18238

Ion	Ratio	Lower	Upper
96	100		
61	129.5	95.4	177.2
98	62.6	45.8	85.2

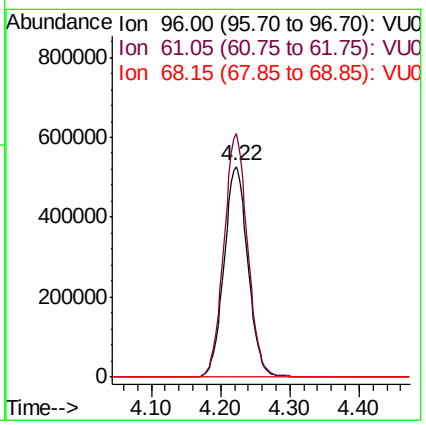


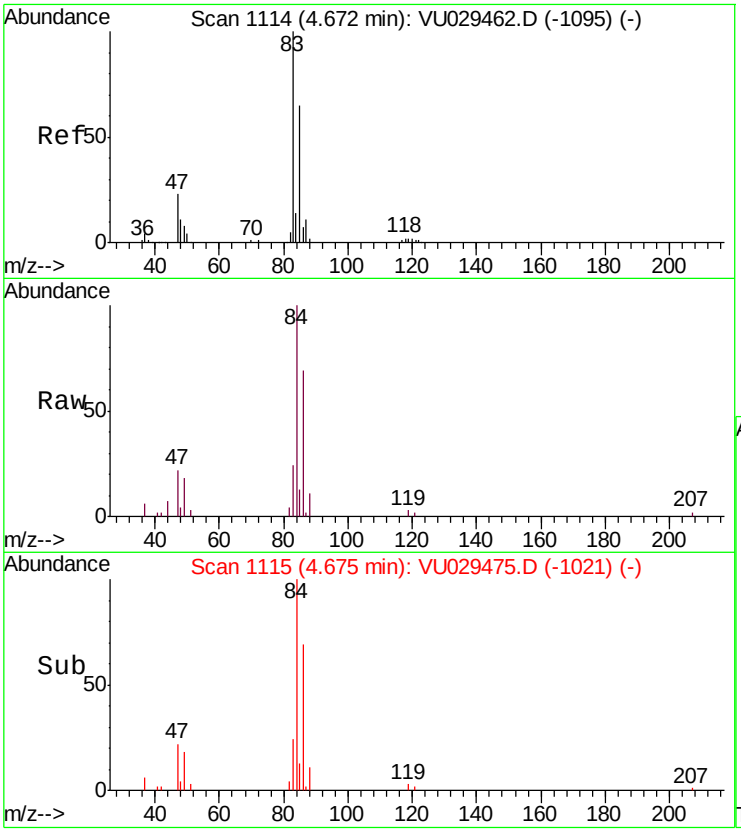


#22
cis-1,2-Dichloroethene
Concen: 83.451 ug/L
RT: 4.22 min Scan# 974
Delta R.T. 0.00 min
Lab File: VU029475.D
Acq: 14 Feb 2019 23:05

Tgt Ion: 96 Resp: 1268625

Ion	Ratio	Lower	Upper
96	100		
61	115.7	79.9	148.5
68	0.0	0.0	0.0



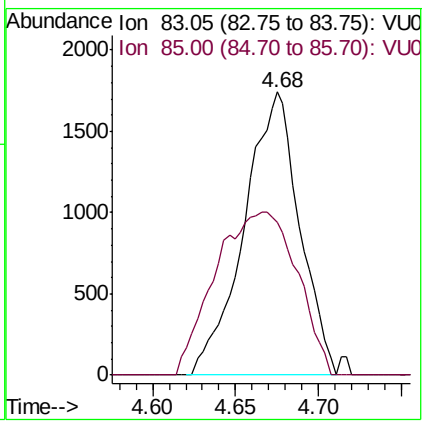


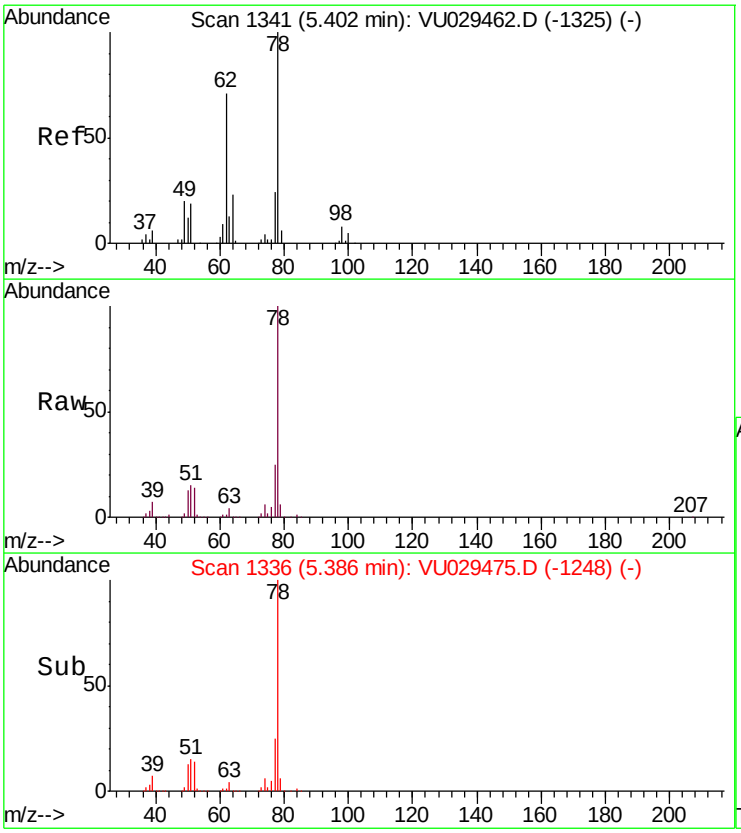
#25
Chloroform
Concen: 0.163 ug/L
RT: 4.68 min Scan# 1115
Delta R.T. 0.00 min
Lab File: VU029475.D
Acq: 14 Feb 2019 23:05

Instrument :
MSVOA_U
ClientSampleId :
ESXD6MS

Tgt Ion: 83 Resp: 4060

Ion	Ratio	Lower	Upper
83	100		
85	53.8	47.8	88.8

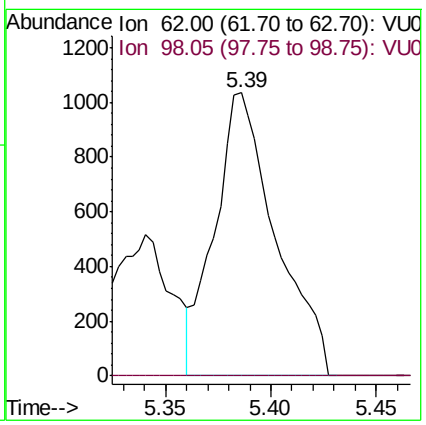


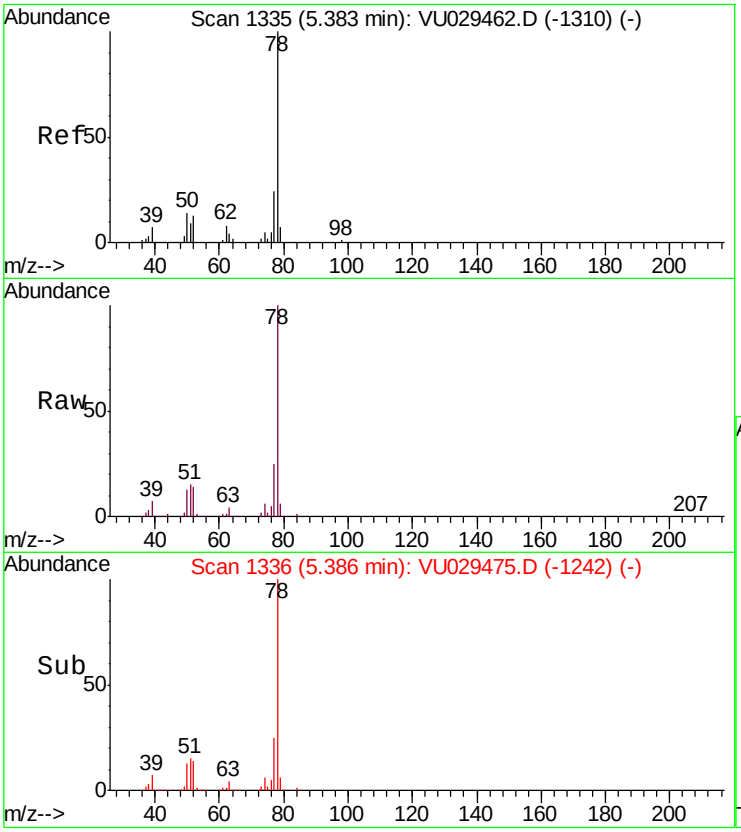


#27
1,2-Dichloroethane
Concen: 0.144 ug/L
RT: 5.39 min Scan# 1336
Delta R.T. -0.02 min
Lab File: VU029475.D
Acq: 14 Feb 2019 23:05

Tgt Ion: 62 Resp: 2081

Ion	Ratio	Lower	Upper
62	100		
98	0.0	8.4	12.6#

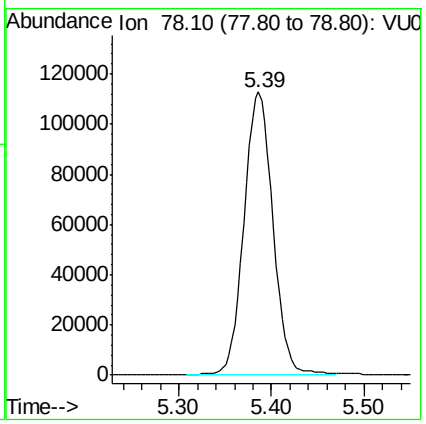


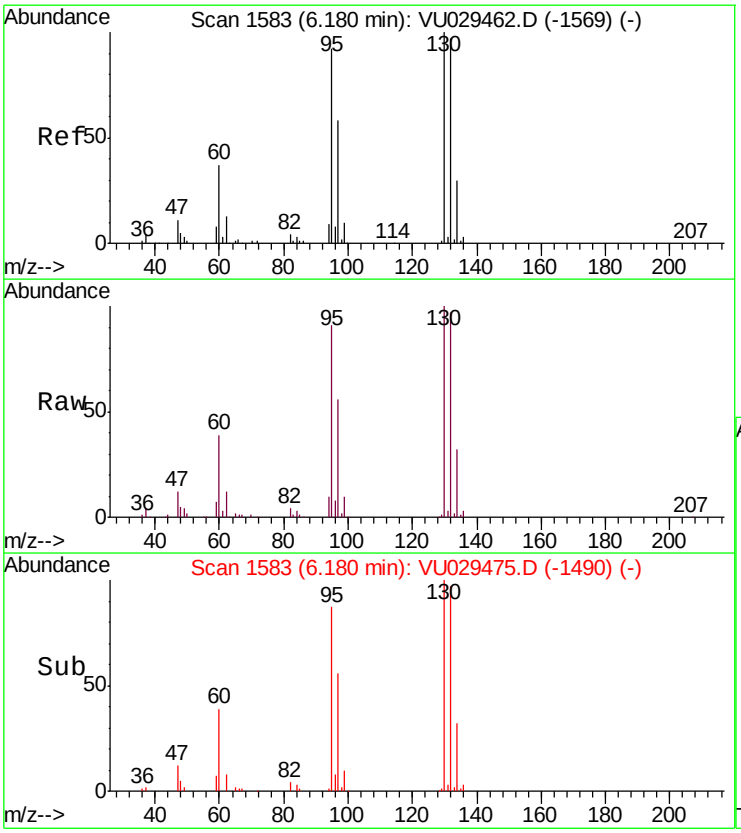


#33
Benzene
Concen: 4.698 ug/L
RT: 5.39 min Scan# 1336
Delta R.T. 0.00 min
Lab File: VU029475.D
Acq: 14 Feb 2019 23:05

Instrument :
MSVOA_U
ClientSampleId :
ESXD6MS

Tgt Ion: 78 Resp: 244919

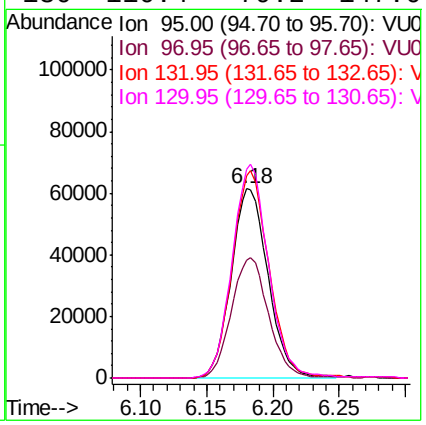


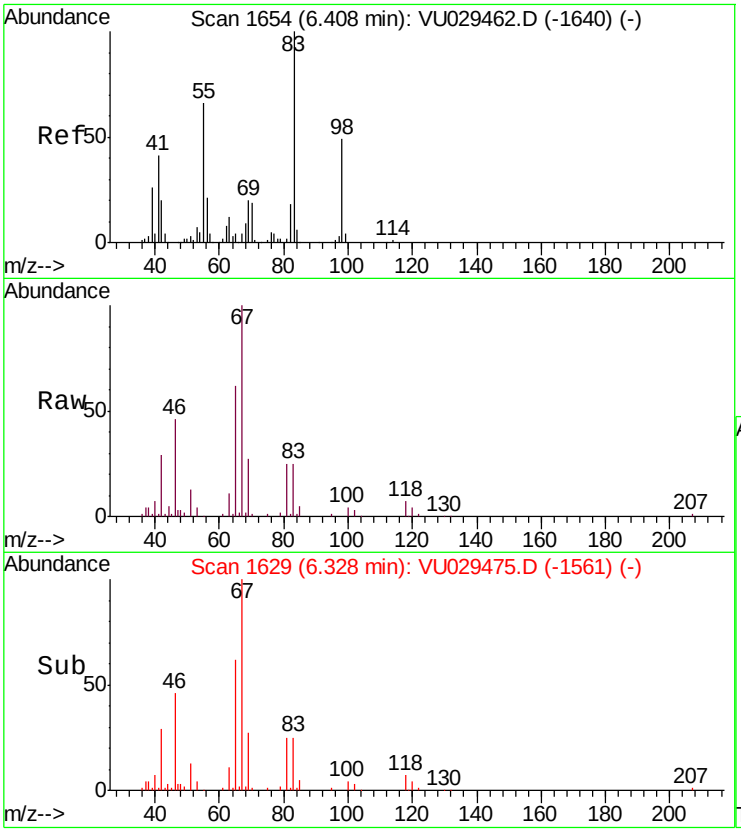


#34
Trichloroethene
Concen: 8.105 ug/L
RT: 6.18 min Scan# 1583
Delta R.T. 0.00 min
Lab File: VU029475.D
Acq: 14 Feb 2019 23:05

Tgt Ion: 95 Resp: 118806

Ion	Ratio	Lower	Upper
95	100		
97	62.3	46.3	86.1
132	106.8	72.9	135.3
130	110.4	79.2	147.0



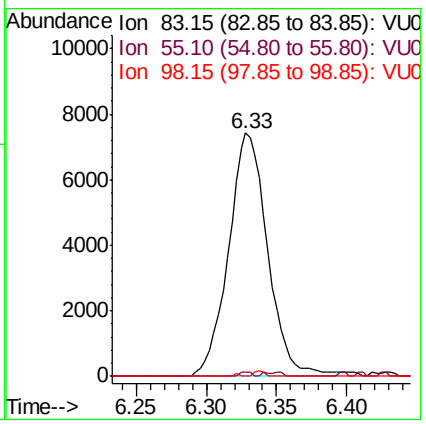


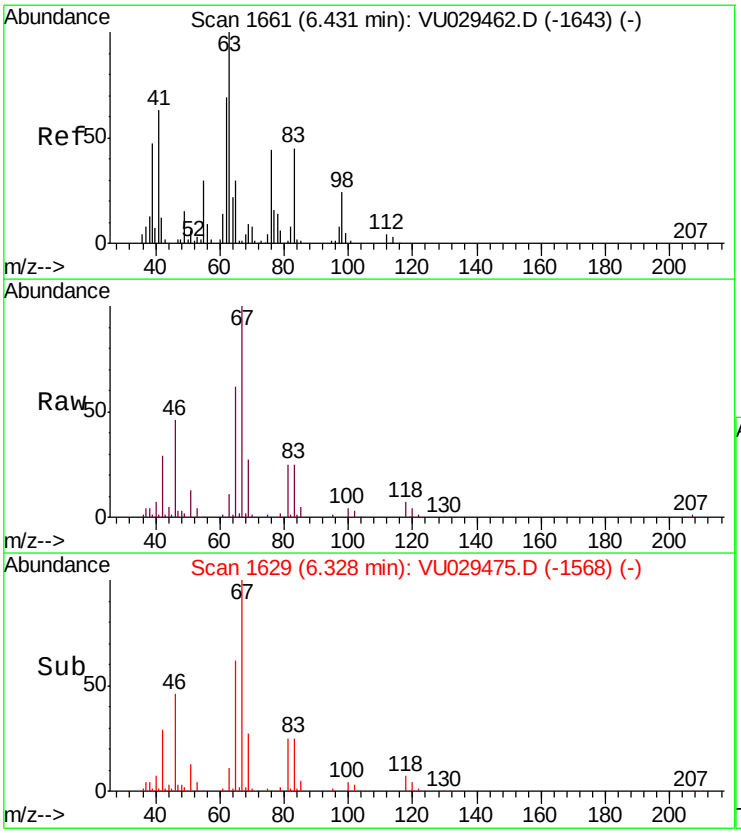
#35
Methylcyclohexane
Concen: 0.583 ug/L
RT: 6.33 min Scan# 1629
Delta R.T. -0.08 min
Lab File: VU029475.D
Acq: 14 Feb 2019 23:05

Instrument :
MSVOA_U
ClientSampleId :
ESXD6MS

Tgt Ion: 83 Resp: 14387

Ion	Ratio	Lower	Upper
83	100		
55	0.5	55.9	83.9#
98	0.0	38.6	57.8#

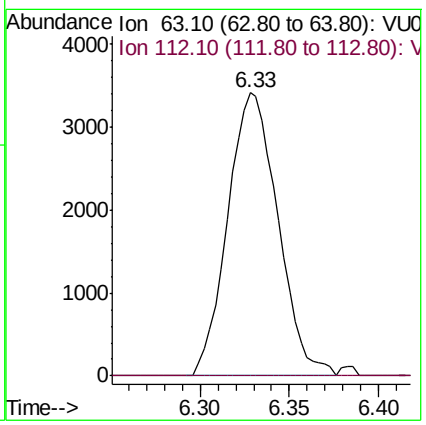


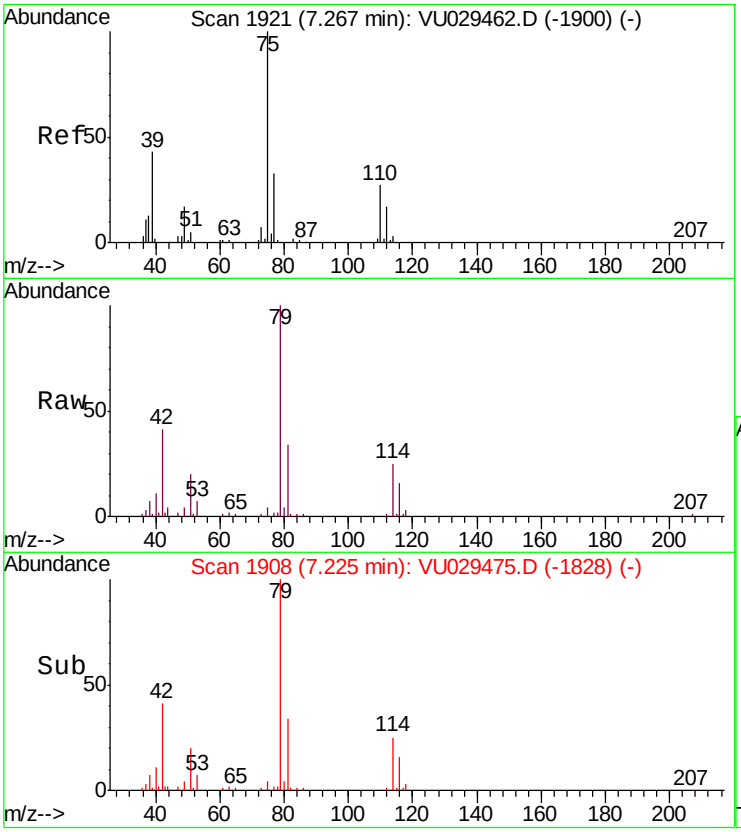


#37
1,2-Dichloropropane
Concen: 0.511 ug/L
RT: 6.33 min Scan# 1629
Delta R.T. -0.10 min
Lab File: VU029475.D
Acq: 14 Feb 2019 23:05

Tgt Ion: 63 Resp: 6679

Ion	Ratio	Lower	Upper
63	100		
112	0.0	3.5	5.3#



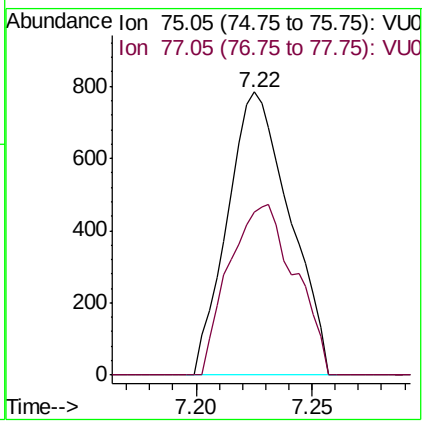


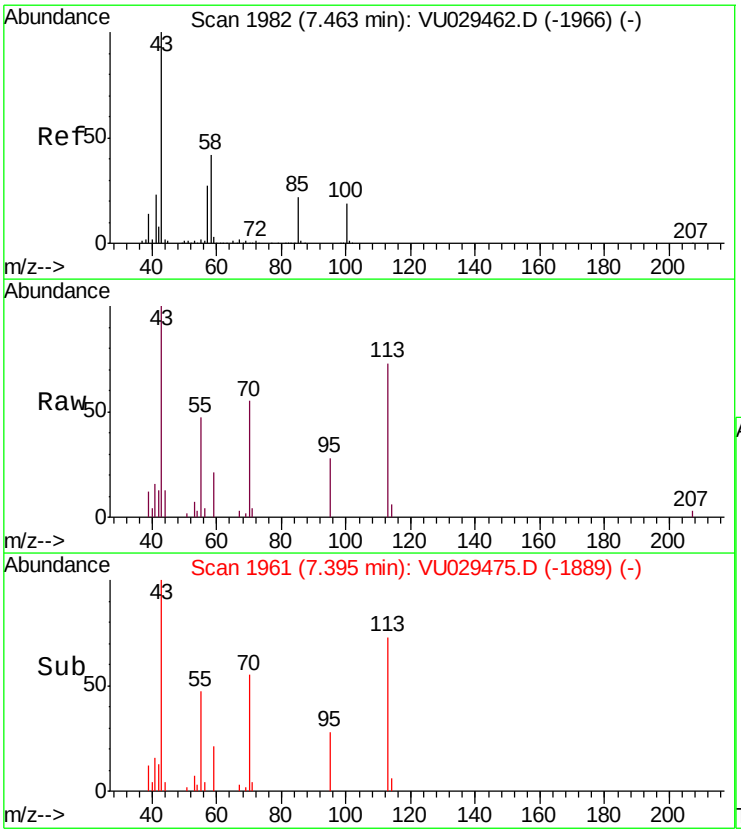
#39
cis-1,3-Dichloropropene
Concen: 0.071 ug/L
RT: 7.22 min Scan# 1908
Delta R.T. -0.04 min
Lab File: VU029475.D
Acq: 14 Feb 2019 23:05

Instrument :
MSVOA_U
ClientSampleId :
ESXD6MS

Tgt Ion: 75 Resp: 1465

Ion	Ratio	Lower	Upper
75	100		
77	57.4	22.3	41.3#

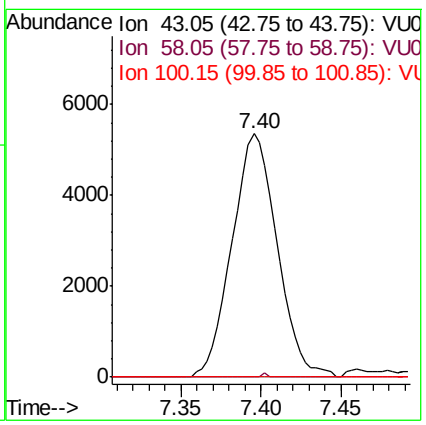


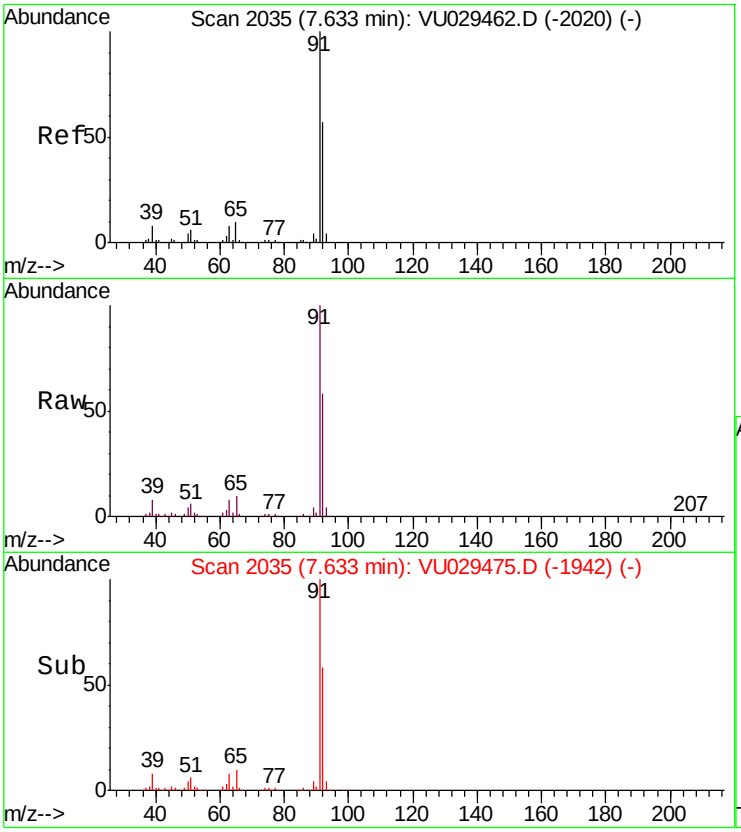


#40
4-Methyl-2-pentanone
Concen: 1.373 ug/L
RT: 7.40 min Scan# 1961
Delta R.T. -0.07 min
Lab File: VU029475.D
Acq: 14 Feb 2019 23:05

Tgt Ion: 43 Resp: 10331

Ion	Ratio	Lower	Upper
43	100		
58	0.0	33.4	50.2#
100	0.0	14.4	21.6#



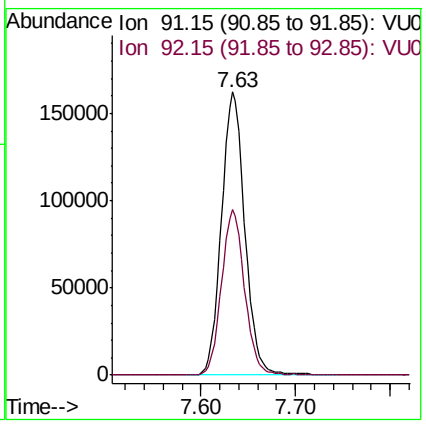


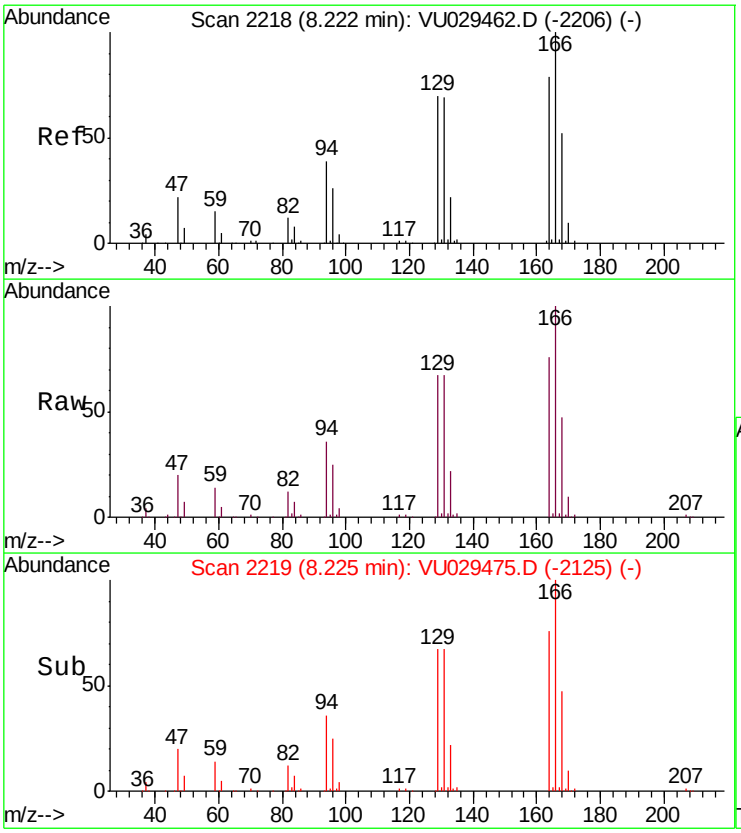
#42
Toluene
Concen: 4.758 ug/L
RT: 7.63 min Scan# 2035
Delta R.T. 0.00 min
Lab File: VU029475.D
Acq: 14 Feb 2019 23:05

Instrument :
MSVOA_U
ClientSampleId :
ESXD6MS

Tgt Ion: 91 Resp: 278393

Ion	Ratio	Lower	Upper
91	100		
92	58.5	39.8	73.8

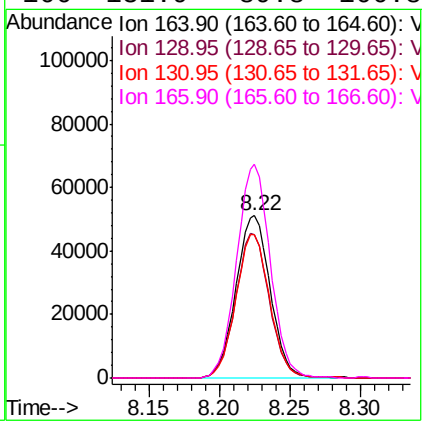


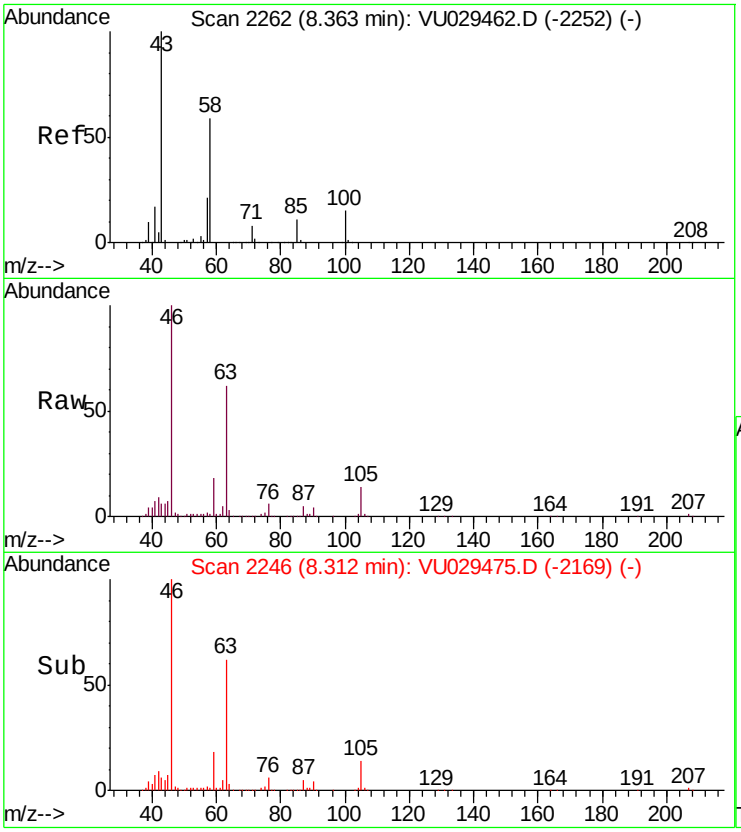


#47
Tetrachloroethene
Concen: 6.516 ug/L
RT: 8.22 min Scan# 2219
Delta R.T. 0.00 min
Lab File: VU029475.D
Acq: 14 Feb 2019 23:05

Tgt Ion:164 Resp: 87484

Ion	Ratio	Lower	Upper
164	100		
129	88.6	62.9	116.9
131	88.2	62.1	115.3
166	131.9	89.8	166.8



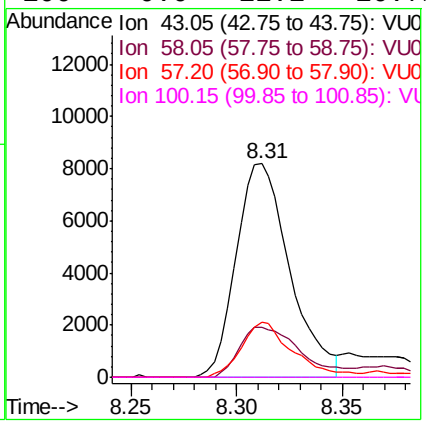


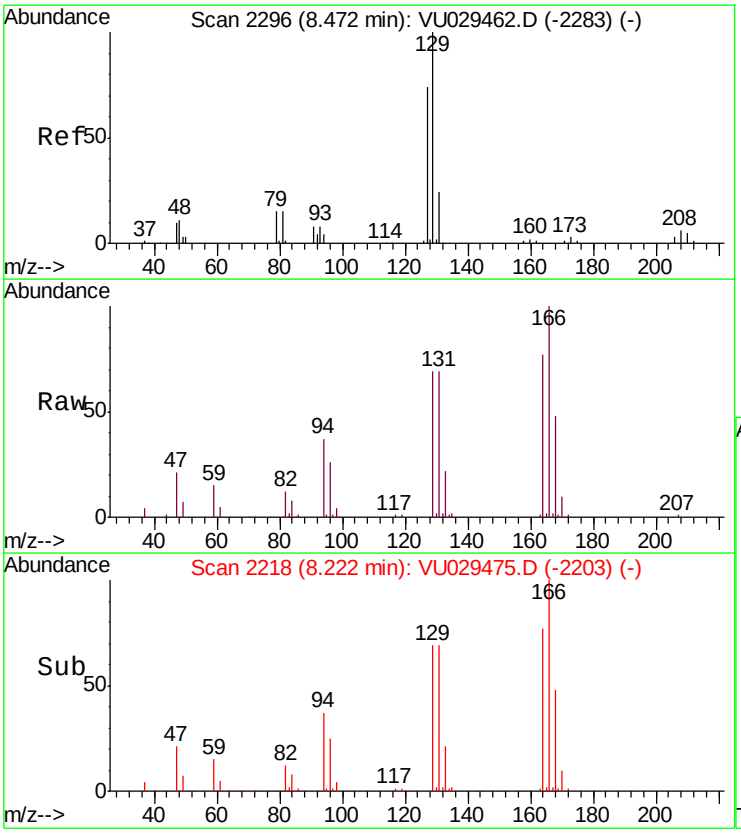
#48
2-Hexanone
Concen: 2.641 ug/L
RT: 8.31 min Scan# 2246
Delta R.T. -0.05 min
Lab File: VU029475.D
Acq: 14 Feb 2019 23:05

Instrument : MSVOA_U
ClientSampleId : ESXD6MS

Tgt Ion: 43 Resp: 14487

Ion	Ratio	Lower	Upper
43	100		
58	26.7	45.7	68.5#
57	24.7	16.4	24.6#
100	0.0	11.1	16.7#

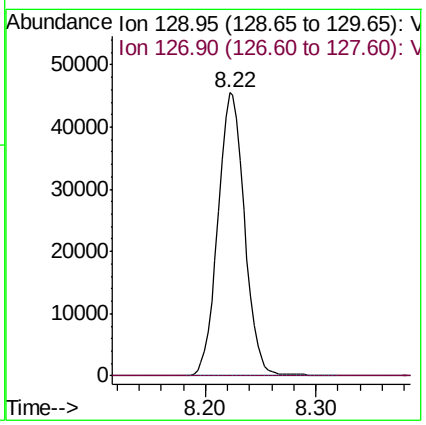


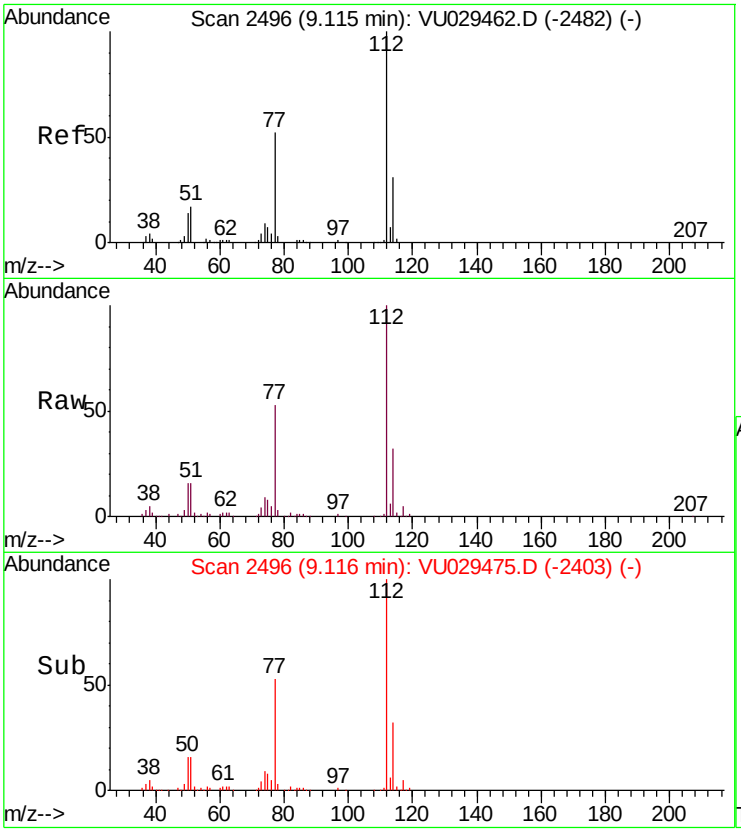


#49
Dibromochloromethane
Concen: 5.665 ug/L
RT: 8.22 min Scan# 2218
Delta R.T. -0.25 min
Lab File: VU029475.D
Acq: 14 Feb 2019 23:05

Tgt Ion:129 Resp: 76364

Ion	Ratio	Lower	Upper
129	100		
127	0.0	53.3	99.1#



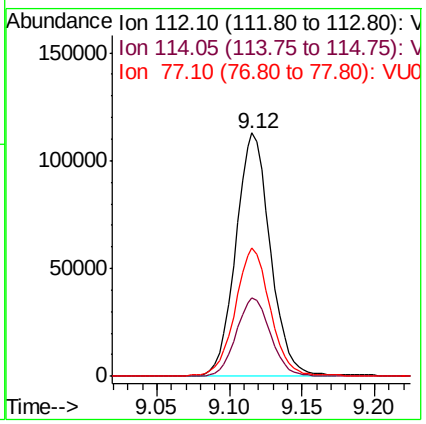


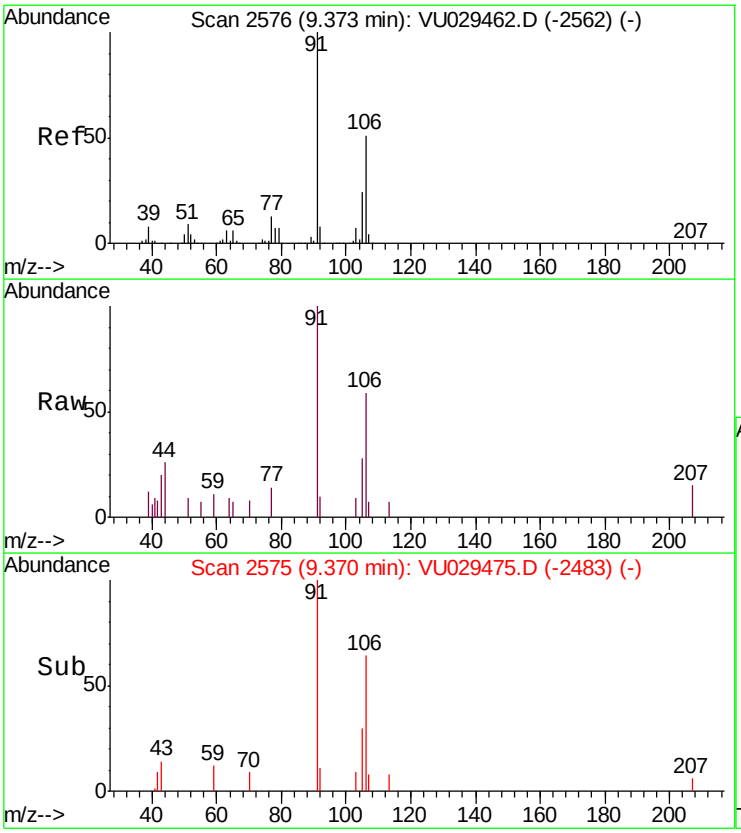
#51
Chlorobenzene
Concen: 4.632 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. 0.00 min
Lab File: VU029475.D
Acq: 14 Feb 2019 23:05

Instrument :
MSVOA_U
ClientSampleId :
ESXD6MS

Tgt Ion:112 Resp: 186416

Ion	Ratio	Lower	Upper
112	100		
114	32.2	22.9	42.5
77	52.5	41.8	62.6

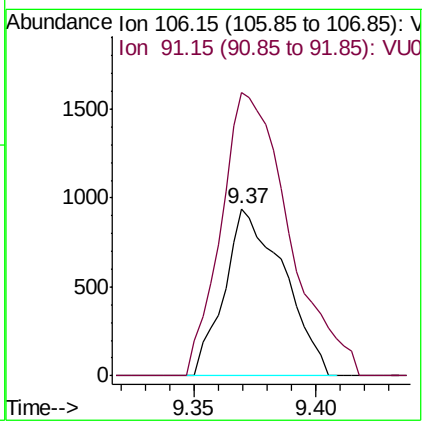


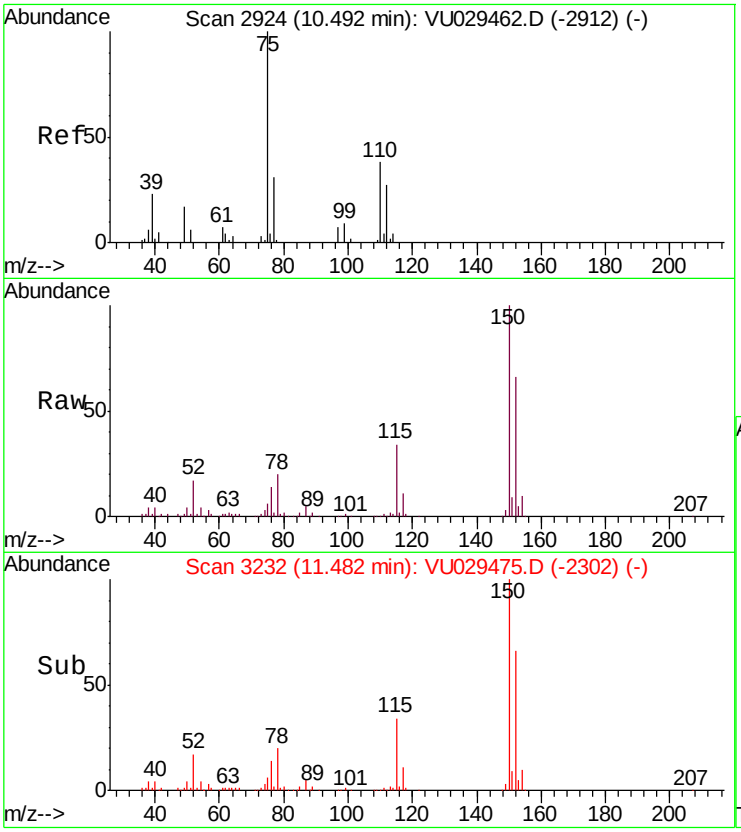


#53
m,p-xylene
Concen: 0.060 ug/L
RT: 9.37 min Scan# 2575
Delta R.T. -0.00 min
Lab File: VU029475.D
Acq: 14 Feb 2019 23:05

Tgt Ion:106 Resp: 1596

Ion	Ratio	Lower	Upper
106	100		
91	169.0	135.7	251.9





#59
1,2,3-Trichloropropane
Concen: 1.098 ug/L
RT: 11.48 min Scan# 3232
Delta R.T. 0.99 min
Lab File: VU029475.D
Acq: 14 Feb 2019 23:05

Instrument :
MSVOA_U
ClientSampleId :
ESXD6MS

Tgt Ion: 75 Resp: 9194

Ion	Ratio	Lower	Upper
75	100		
77	34.8	28.2	42.2