Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU020819\
Data File : VU029374.D
Acq On : 08 Feb 2019 11:59
Operator : JC/SP
Sample : K1161-11
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId :

Quant Time: Feb 09 03:17:25 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U020519DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Fri Feb 08 10:52:46 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene	5.74	96	61988	1.00	ug/l		0.00
System Monitoring Compounds							
57) 4-Bromofluorobenzene	10.31	95	21717	0.90	ug/l		0.00
Spiked Amount 1.000			Recovery = 90.00%				
68) 1,2-Dichlorobenzene-d4	11.86	152	23292	0.94	ug/l		0.00
Spiked Amount 1.000			Recovery = 94.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.21	85	162	0.007	ug/l	#	43
3) Chloromethane	1.33	50	580	0.027	ug/l		100
4) Vinyl Chloride	1.60	62	75	0.003	ug/l		99
5) Bromomethane	1.63	94	455	0.033	ug/l	#	36
6) Chloroethane	1.75	64	210	0.015	ug/l	#	49
7) Trichlorofluoromethane	1.88	101	43	0.001	ug/l	#	25
8) 1,1,2-Trichloro-1,2,2-trif	2.38	101	20	0.001	ug/l	#	1
9) 1,1-Dichloroethene	2.28	96	207	0.012	ug/l		1
10) Iodomethane	2.16	142	42	0.301	ug/l		87
11) Allyl Chloride	2.62	41	167	0.006	ug/l		91
12) Acrylonitrile	2.94	53	79	0.020	ug/l	#	1
13) Acetone	2.34	43	281	0.073	ug/l		96
14) Carbon Disulfide	2.48	76	1650	0.026	ug/l	#	75
15) Methylene Chloride	2.70	84	10653	0.491	ug/l	#	77
16) trans-1,2-Dichloroethene	2.99	96	148	0.007	ug/l	#	30
17) 1,1-Dichloroethane	3.44	63	237	0.007	ug/l	#	85
18) 2-Butanone	4.31	43	247	0.057	ug/l		86
19) Cyclohexane	4.98	56	283	0.010	ug/l	#	15
20) Methylcyclohexane	6.42	83	40	0.001	ug/l	#	13
21) 2,2-Dichloropropane	4.22	77	46	0.002	ug/l	#	57
22) cis-1,2-Dichloroethene	4.24	96	46	0.002	ug/l		45
23) Diethyl Ether	2.10	59	2071	0.144	ug/l		94
24) tert-Butyl Alcohol	2.82	59	202	0.135	ug/l	#	1
25) Methyl tert-Butyl Ether	2.99	73	211	0.004	ug/l	#	1
26) Bromochloromethane	4.62	128	47	0.006	ug/l	#	1
27) Chloroform	4.66	83	424	0.014	ug/l		19
28) 1,1,1-Trichloroethane	4.91	97	41	0.001	ug/l	#	22
30) Carbon Tetrachloride	5.13	117	43	0.002	ug/l	#	12
31) Isopropyl Ether	3.75	45	210	0.004	ug/l		82
33) Tert-Amyl methyl ether	5.61	73	100	0.002	ug/l	#	41
34) Propionitrile	4.31	54	39	0.034	ug/l	#	1
35) Benzene	5.39	78	216	0.003	ug/l	#	50
37) Trichloroethene	6.19	130	20	0.001	ug/l		97
39) Methacrylonitrile	4.58	41	442	0.076	ug/l	#	43
40) Methyl acrylate	4.43	55	101	0.012	ug/l	#	1
41) Tetrahydrofuran	4.66	42	148	0.051	ug/l	#	39
42) 1-Chlorobutane	5.05	56	380	0.011	ug/l		66
43) Dibromomethane	6.47	93	69	0.007	ug/l	#	35
44) Bromodichloromethane	6.75	83	74	0.003	ug/l	#	27
45) 4-Methyl-2-Pentanone	7.45	43	79	0.007	ug/l	#	47
46) t-1,4-Dichloro-2-butene	10.49	75	15381	2.833	ug/l	#	14

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU020819\
Data File : VU029374.D
Acq On : 08 Feb 2019 11:59
Operator : JC/SP
Sample : K1161-11
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId :

Quant Time: Feb 09 03:17:25 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U020519DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Fri Feb 08 10:52:46 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
47) Methyl methacrylate	6.64	69	320	0.038 ug/l #	25
48) Ethyl methacrylate	7.98	69	160	0.009 ug/l	61
49) Toluene	7.65	92	409	0.009 ug/l #	17
52) 1,1,2-Trichloroethane	8.05	97	79	0.006 ug/l #	14
54) 2-Hexanone	8.39	43	498	0.064 ug/l	89
56) 1,2-Dibromoethane	8.59	107	9931	0.769 ug/l	98
59) Chlorobenzene	9.13	112	267	0.005 ug/l #	42
63) Ethyl Benzene	9.38	91	764	0.009 ug/l	97
64) m/p-Xylenes	9.38	106	161	0.005 ug/l #	1
65) o-Xylene	9.77	106	20	0.001 ug/l #	1
66) Styrene	9.80	104	126	0.002 ug/l #	89
69) Isopropylbenzene	10.16	105	326	0.004 ug/l	95
70) 1,1,2,2-Tetrachloroethane	10.50	83	573	0.036 ug/l #	92
71) 1,2,3-Trichloropropane	10.49	75	15381	1.389 ug/l #	87
72) Bromobenzene	10.46	156	74	0.003 ug/l #	1
73) n-propylbenzene	10.77	120	201	0.008 ug/l #	22
74) 2-Chlorotoluene	10.68	126	19	0.001 ug/l	48
75) 1,3,5-Trimethylbenzene	10.78	105	485	0.006 ug/l	92
76) 4-Chlorotoluene	10.78	126	86	0.004 ug/l	1
77) tert-Butylbenzene	11.10	119	348	0.005 ug/l #	76
78) 1,2,4-Trimethylbenzene	11.15	105	669	0.009 ug/l	92
79) sec-Butylbenzene	11.32	105	550	0.006 ug/l	94
80) Nitrobenzene	12.88	77	70	0.097 ug/l #	43
81) p-Isopropyltoluene	11.49	119	706	0.009 ug/l #	88
82) 1,3-Dichlorobenzene	11.43	146	338	0.008 ug/l	93
83) 1,4-Dichlorobenzene	11.43	146	338	0.008 ug/l	94
84) n-Butylbenzene	11.89	91	1435	0.019 ug/l #	93
85) 1,2-Dichlorobenzene	11.88	146	479	0.012 ug/l	87
86) 1,2-Dibromo-3-Chloropropan	12.66	75	3153	1.047 ug/l #	61
87) 1,2,4-Trichlorobenzene	13.52	180	291	0.011 ug/l #	70
88) Hexachlorobutadiene	13.69	225	271	0.017 ug/l #	24
89) Naphthalene	13.77	128	701	0.015 ug/l #	76
90) 1,2,3-Trichlorobenzene	14.00	180	443	0.018 ug/l #	87

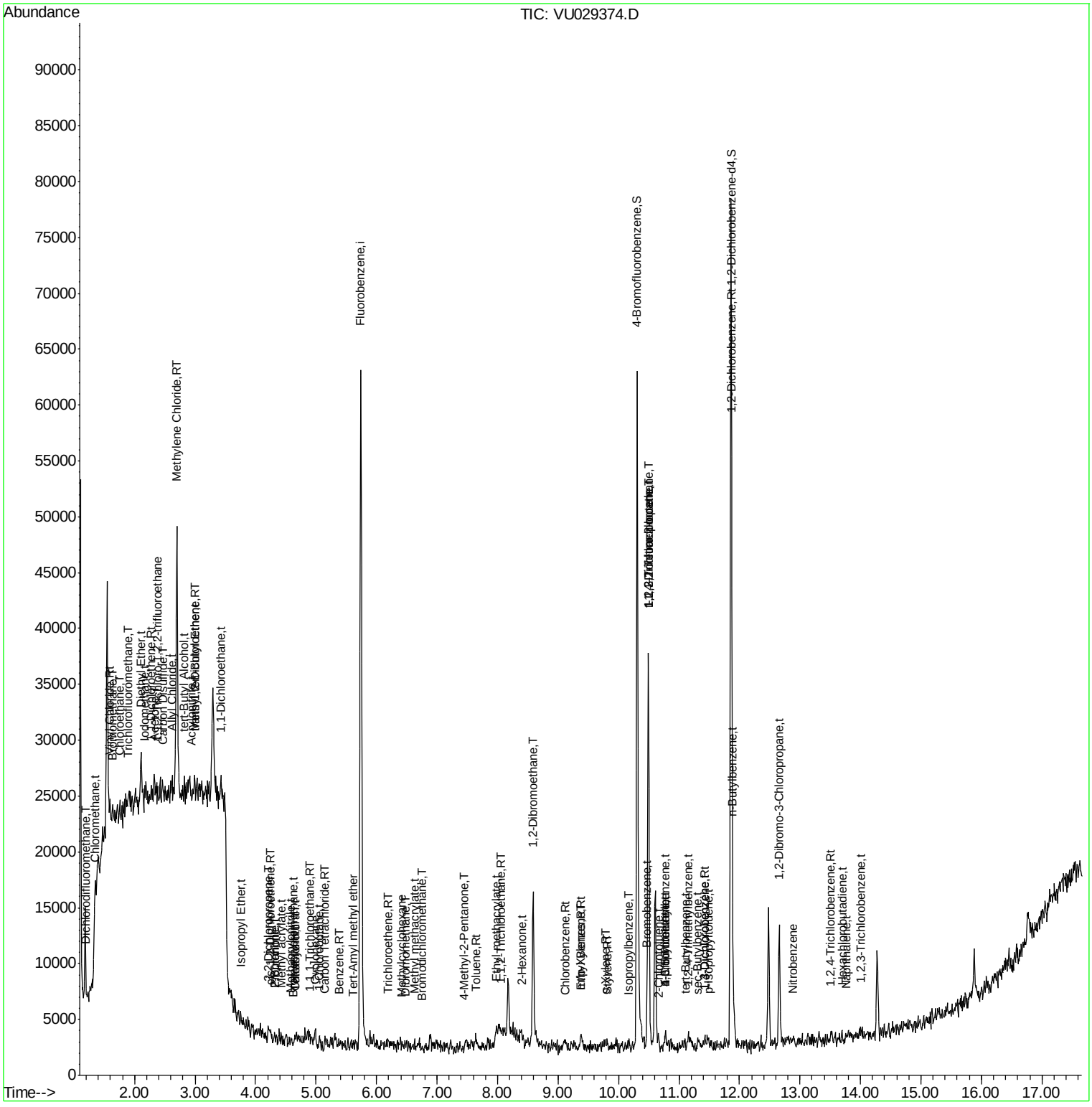
(#) = qualifier out of range (m) = manual integration (+) = signals summed

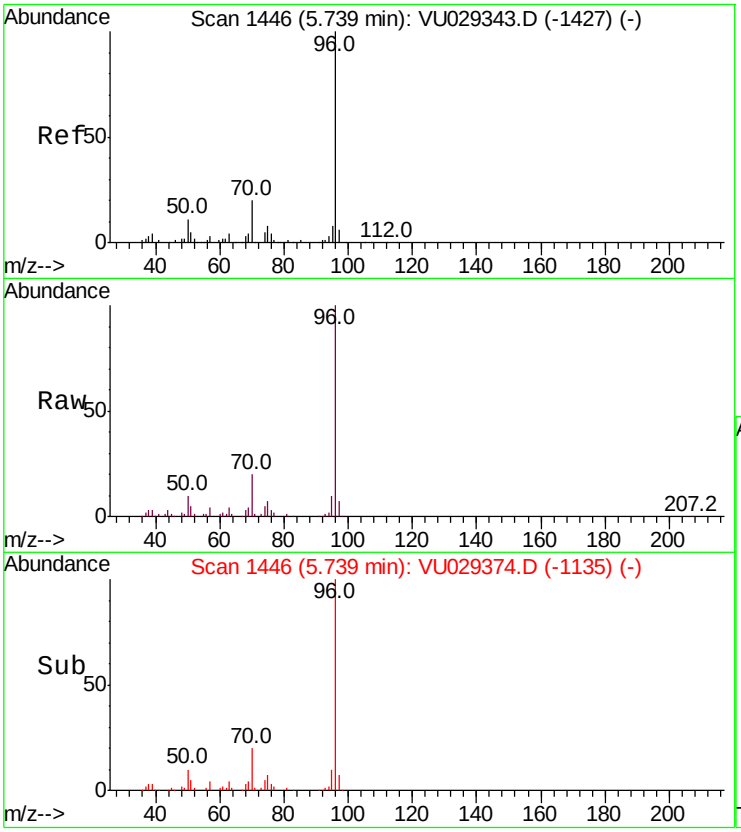
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU020819\
Data File : VU029374.D
Acq On : 08 Feb 2019 11:59
Operator : JC/SP
Sample : K1161-11
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: Feb 09 03:17:25 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U020519DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Fri Feb 08 10:52:46 2019
Response via : Initial Calibration



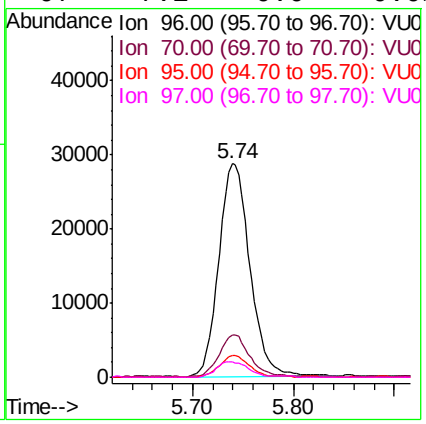


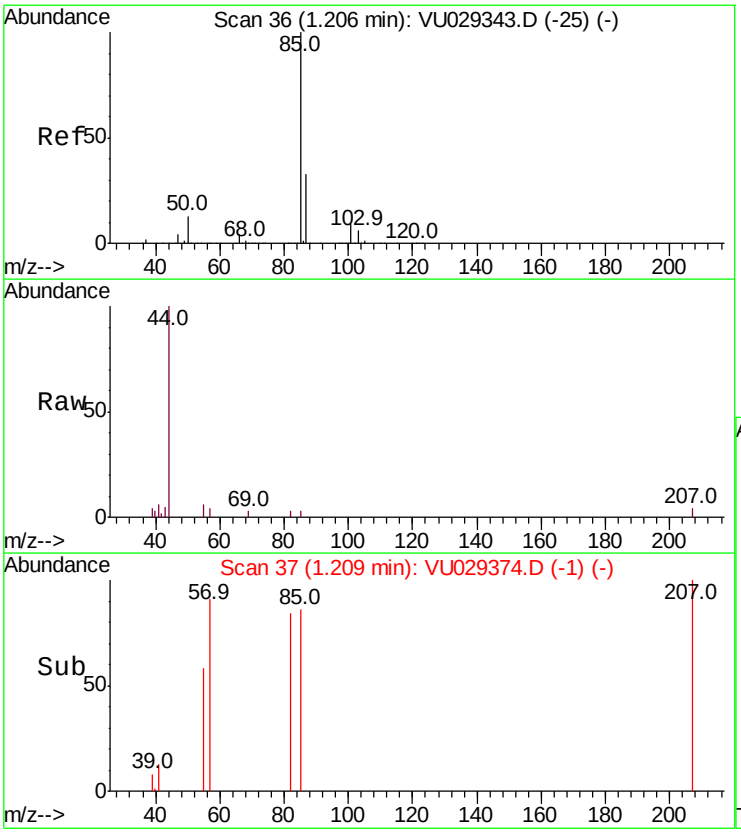
#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 5.74 min Scan# 1446
Delta R.T. -0.00 min
Lab File: VU029374.D
Acq: 08 Feb 2019 11:59

Instrument : MSVOA_U
ClientSampleId :

Tgt Ion: 96 Resp: 61988

Ion	Ratio	Lower	Upper
96	100		
70	19.0	16.2	24.2
95	8.8	7.4	11.2
97	7.1	0.0	0.0#

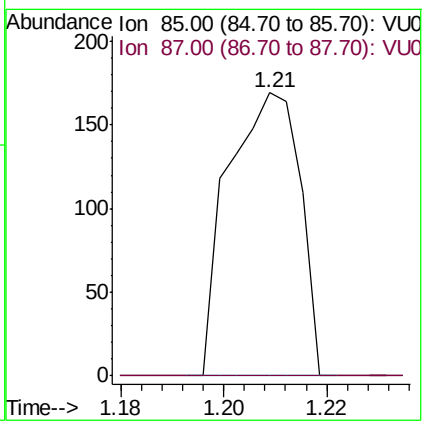


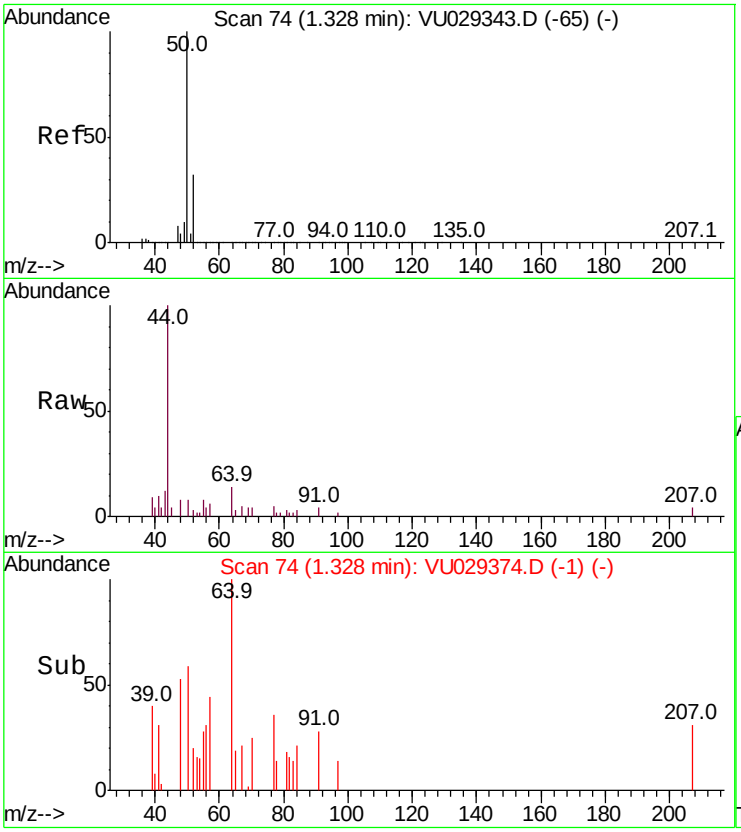


#2
Dichlorodifluoromethane
Concen: 0.007 ug/l
RT: 1.21 min Scan# 37
Delta R.T. 0.00 min
Lab File: VU029374.D
Acq: 08 Feb 2019 11:59

Tgt Ion: 85 Resp: 162

Ion	Ratio	Lower	Upper
85	100		
87	0.0	15.9	47.6#



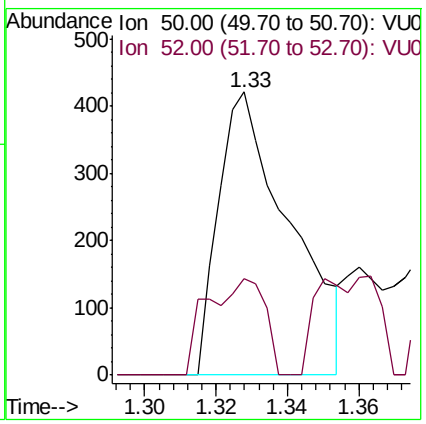


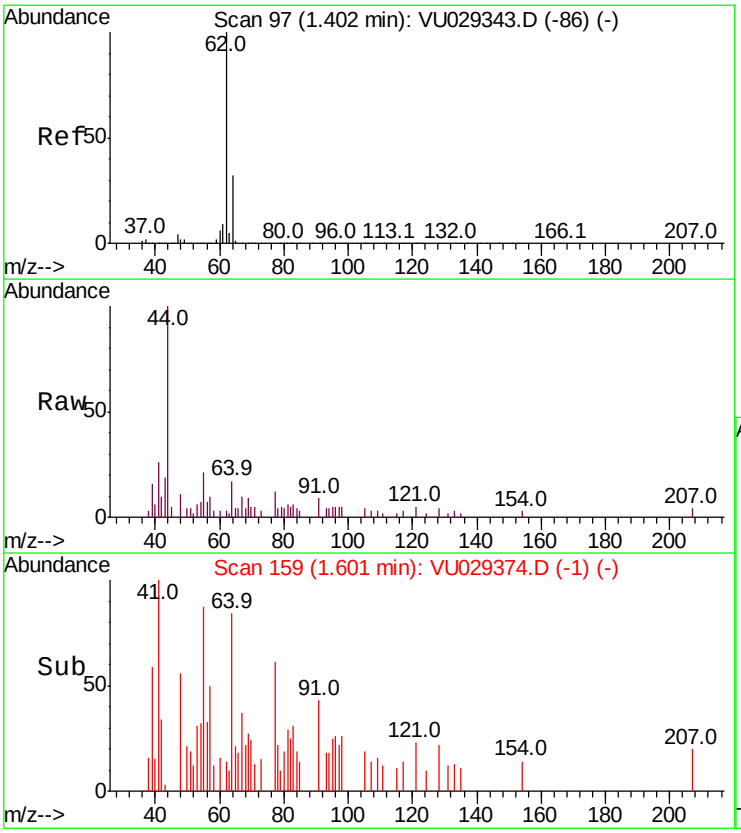
#3
Chloromethane
Concen: 0.027 ug/l
RT: 1.33 min Scan# 74
Delta R.T. -0.00 min
Lab File: VU029374.D
Acq: 08 Feb 2019 11:59

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 50 Resp: 580

Ion	Ratio	Lower	Upper
50	100		
52	34.0	27.3	40.9

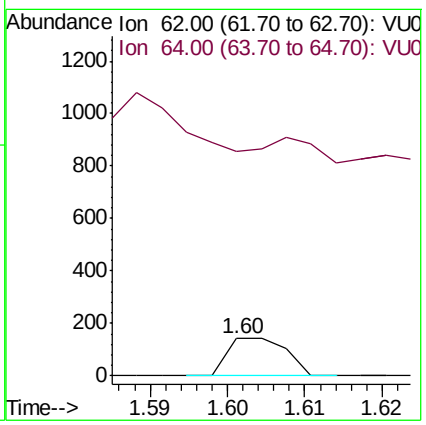


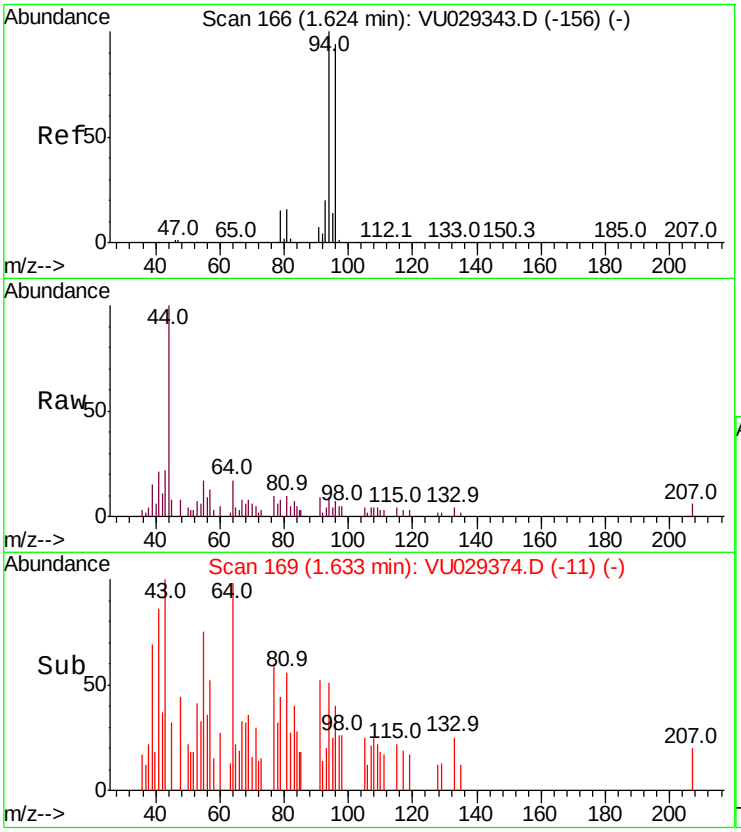


#4
Vinyl Chloride
Concen: 0.003 ug/l
RT: 1.60 min Scan# 159
Delta R.T. 0.20 min
Lab File: VU029374.D
Acq: 08 Feb 2019 11:59

Tgt Ion: 62 Resp: 75

Ion	Ratio	Lower	Upper
62	100		
64	32.2	25.2	37.8



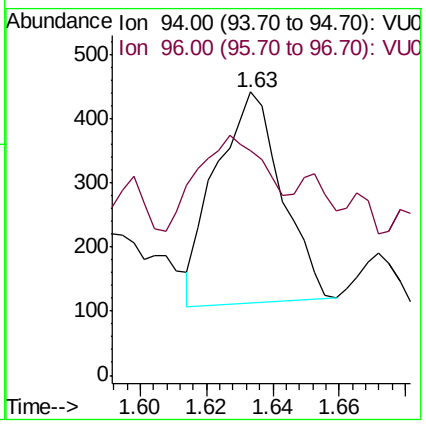


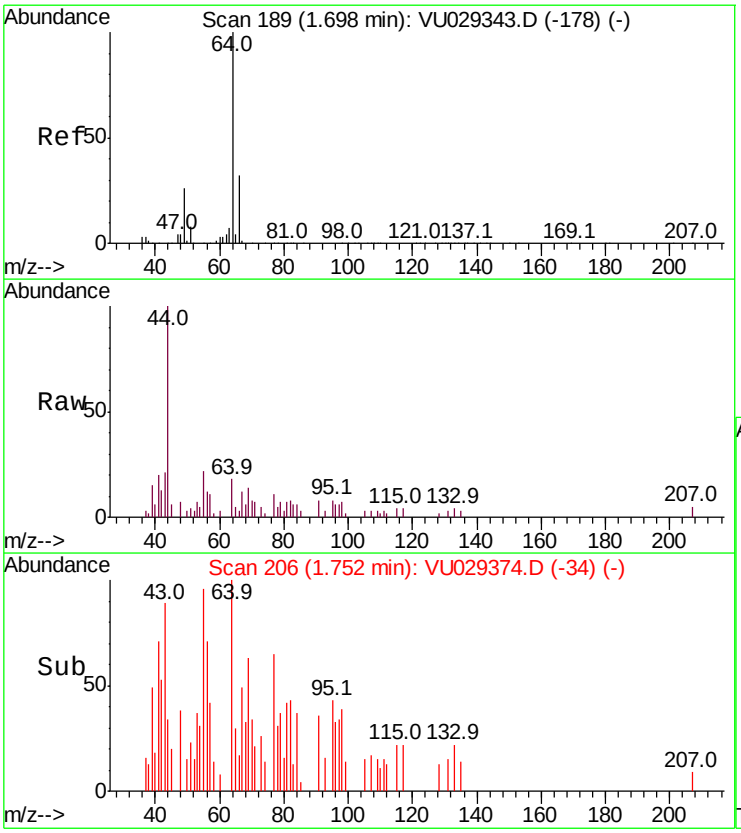
#5
Bromomethane
Concen: 0.033 ug/l
RT: 1.63 min Scan# 169
Delta R.T. 0.01 min
Lab File: VU029374.D
Acq: 08 Feb 2019 11:59

Instrument : MSVOA_U
ClientSampleId :

Tgt Ion: 94 Resp: 455

Ion	Ratio	Lower	Upper
94	100		
96	29.1	71.7	107.5#

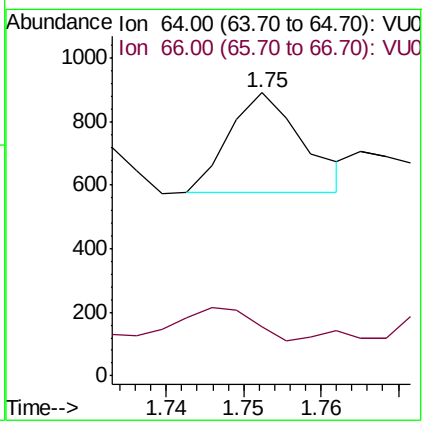


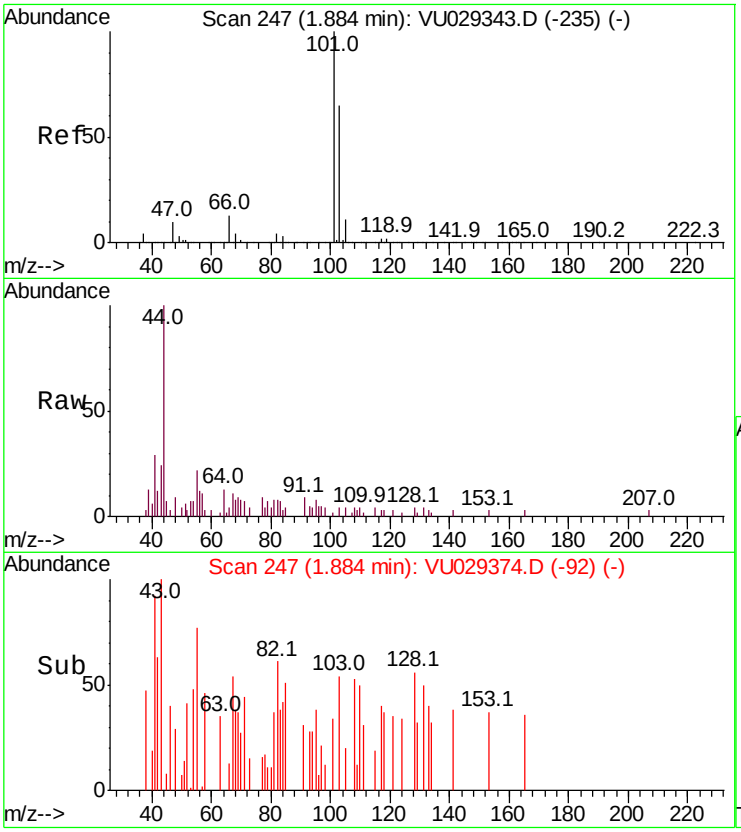


#6
Chloroethane
Concen: 0.015 ug/l
RT: 1.75 min Scan# 206
Delta R.T. 0.05 min
Lab File: VU029374.D
Acq: 08 Feb 2019 11:59

Tgt Ion: 64 Resp: 210

Ion	Ratio	Lower	Upper
64	100		
66	4.1	26.3	39.5#



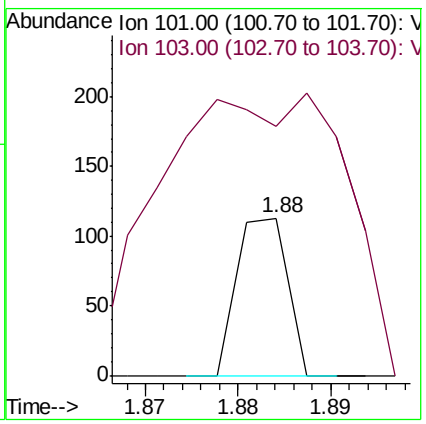


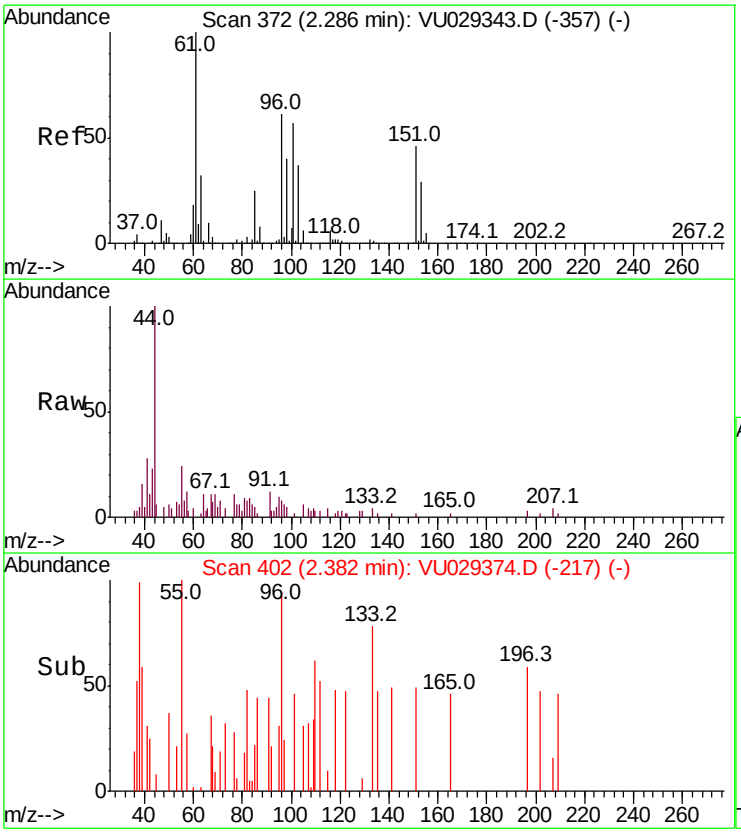
#7
Trichlorofluoromethane
Concen: 0.001 ug/l
RT: 1.88 min Scan# 247
Delta R.T. -0.00 min
Lab File: VU029374.D
Acq: 08 Feb 2019 11:59

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:101 Resp: 43

Ion	Ratio	Lower	Upper
101	100		
103	7.1	53.9	80.9#

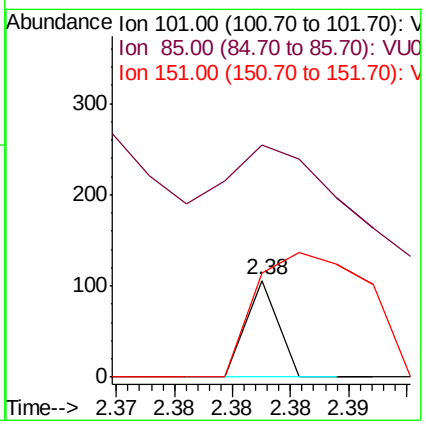


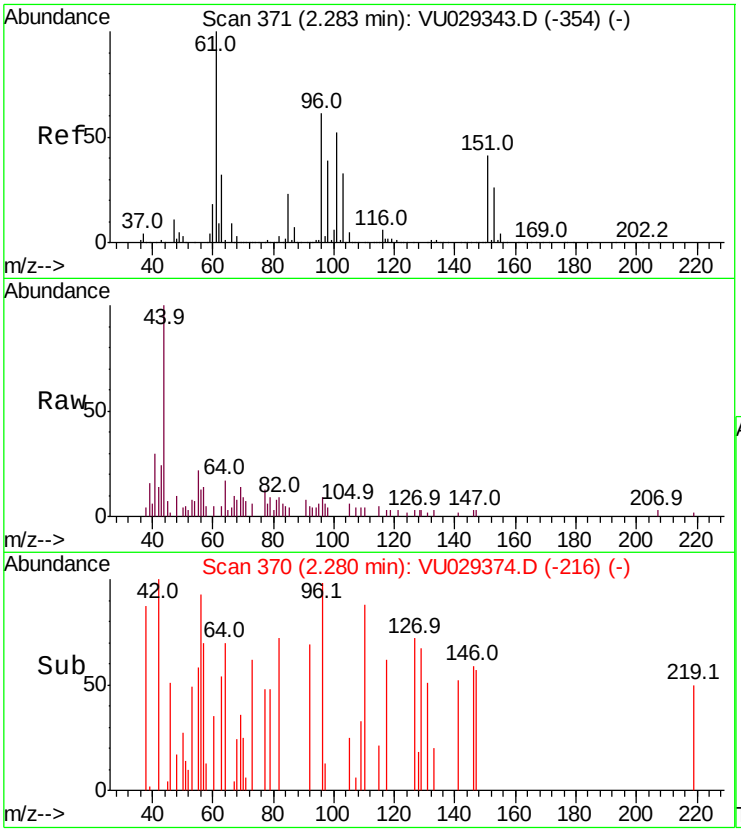


#8
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.001 ug/l
RT: 2.38 min Scan# 402
Delta R.T. 0.10 min
Lab File: VU029374.D
Acq: 08 Feb 2019 11:59

Tgt Ion:101 Resp: 20

Ion	Ratio	Lower	Upper
101	100		
85	410.0	40.3	60.5#
151	460.0	58.1	87.1#



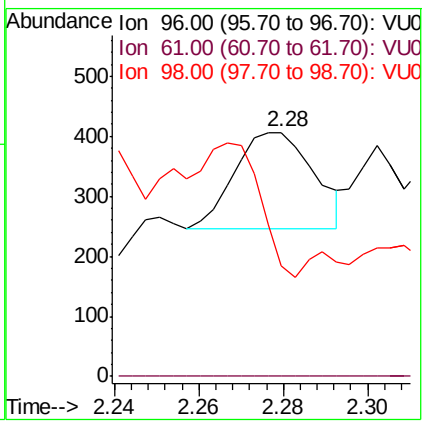


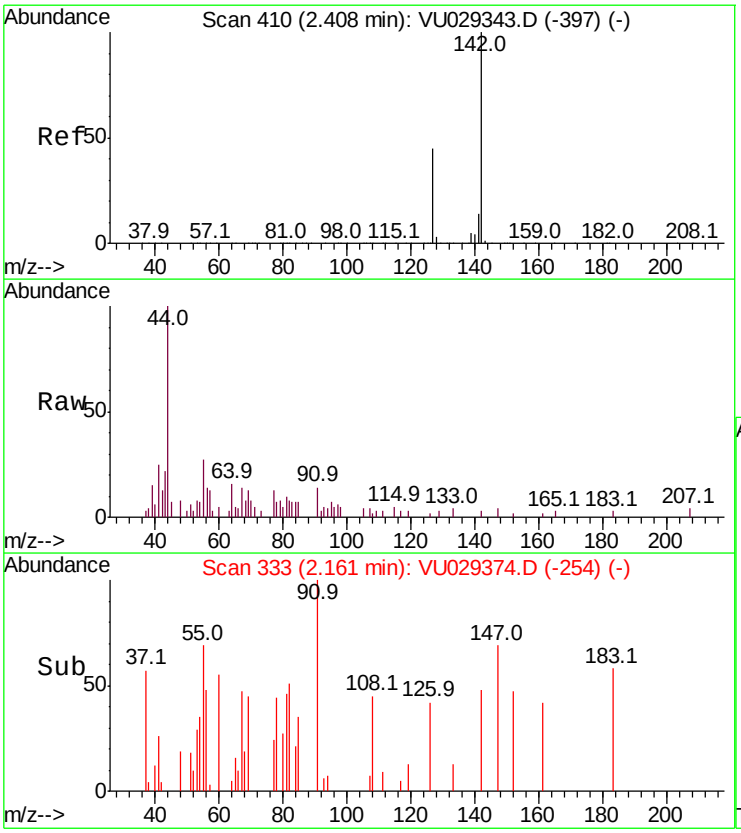
#9
1,1-Dichloroethene
Concen: 0.012 ug/l
RT: 2.28 min Scan# 370
Delta R.T. -0.00 min
Lab File: VU029374.D
Acq: 08 Feb 2019 11:59

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 96 Resp: 207

Ion	Ratio	Lower	Upper
96	100		
61	0.0	0.0	641.4
98	0.0	0.0	122.6

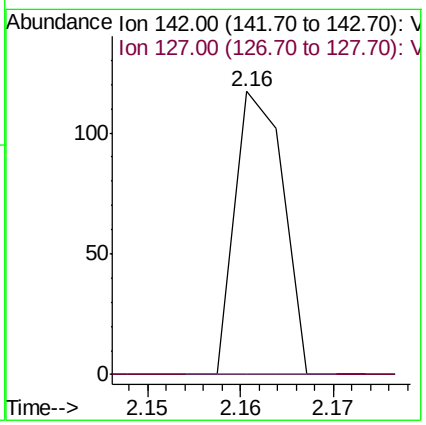


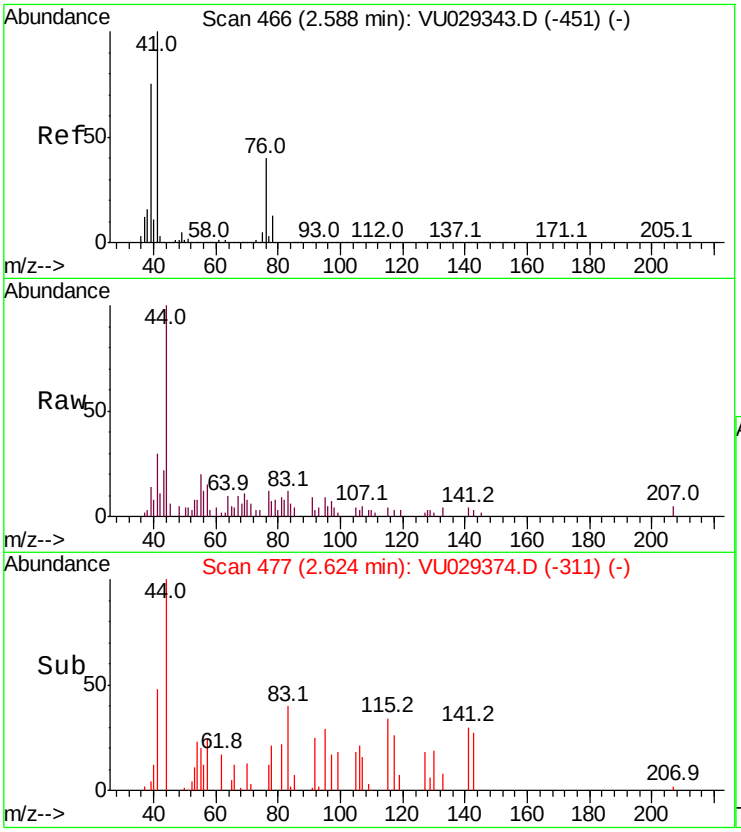


#10
Iodomethane
Concen: 0.301 ug/l
RT: 2.16 min Scan# 333
Delta R.T. -0.25 min
Lab File: VU029374.D
Acq: 08 Feb 2019 11:59

Tgt Ion:142 Resp: 42

Ion	Ratio	Lower	Upper
142	100		
127	50.0	47.6	71.4



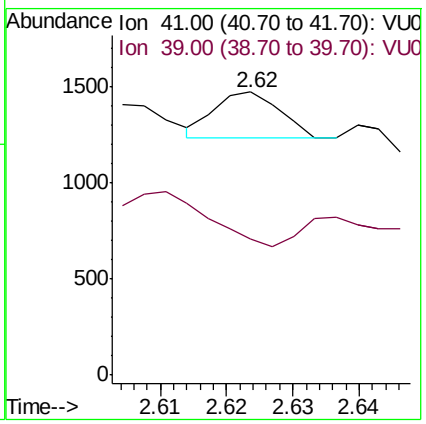


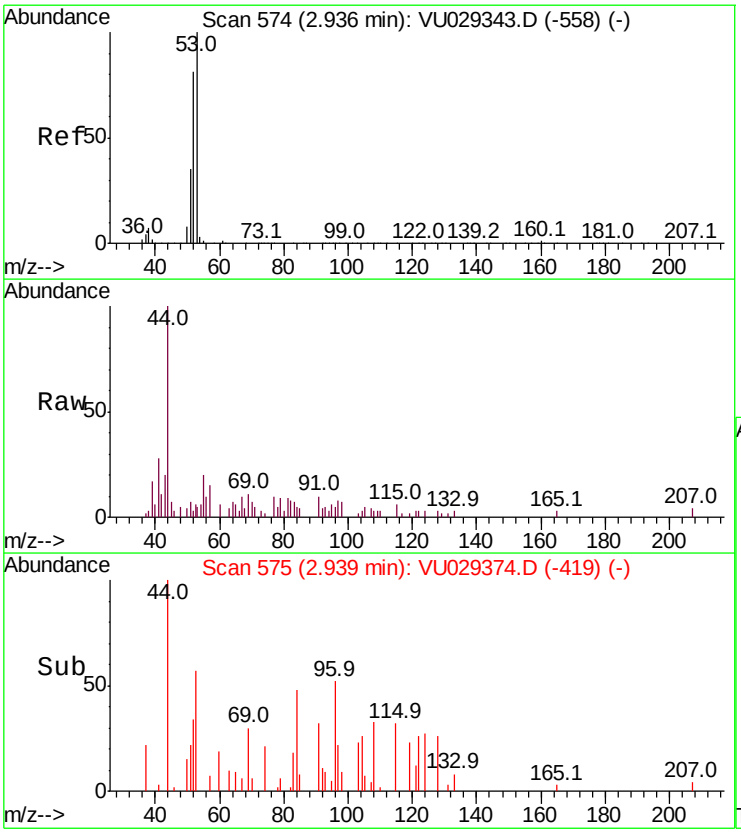
#11
Allyl Chloride
Concen: 0.006 ug/l
RT: 2.62 min Scan# 477
Delta R.T. 0.04 min
Lab File: VU029374.D
Acq: 08 Feb 2019 11:59

Instrument : MSVOA_U
ClientSampleId :

Tgt Ion: 41 Resp: 167

Ion	Ratio	Lower	Upper
41	100		
39	76.0	67.2	100.8

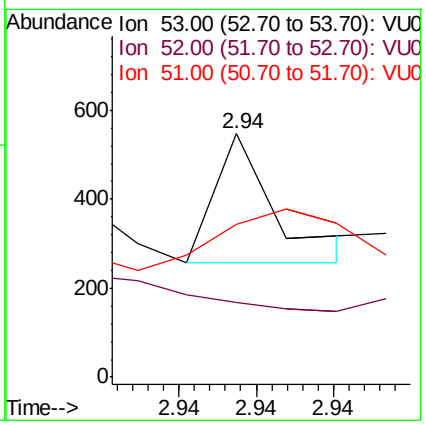


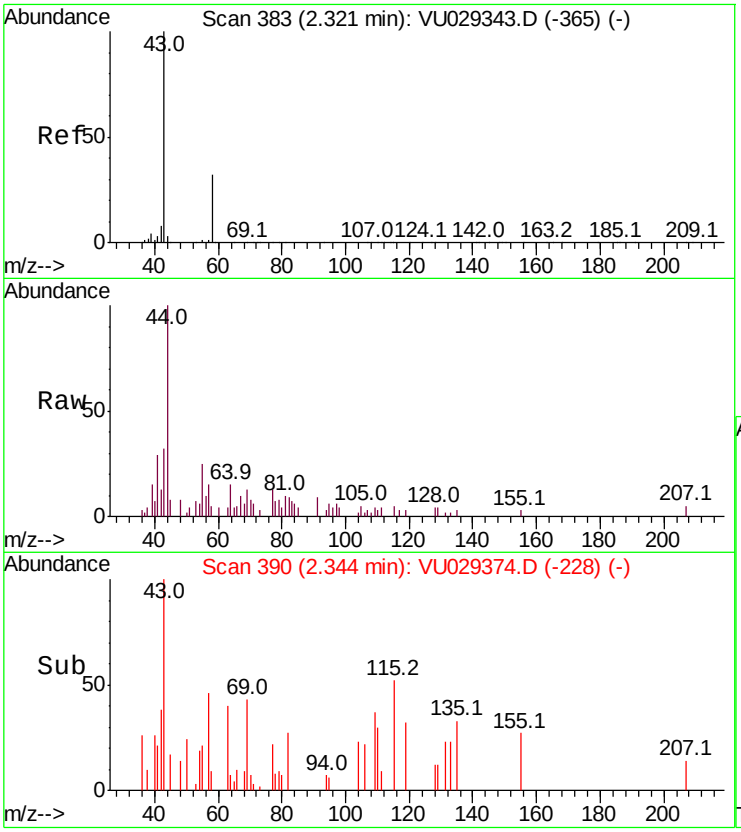


#12
Acrylonitrile
Concen: 0.020 ug/l
RT: 2.94 min Scan# 575
Delta R.T. 0.00 min
Lab File: VU029374.D
Acq: 08 Feb 2019 11:59

Tgt Ion: 53 Resp: 79

Ion	Ratio	Lower	Upper
53	100		
52	257.0	67.6	101.4#
51	198.7	31.0	46.4#



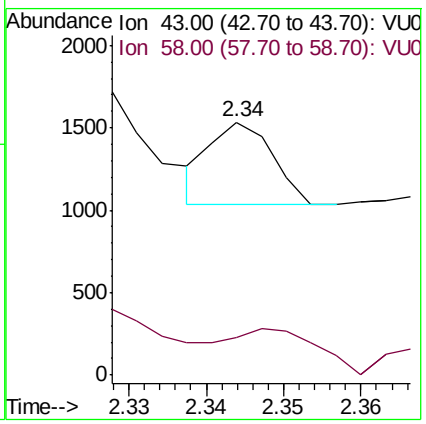


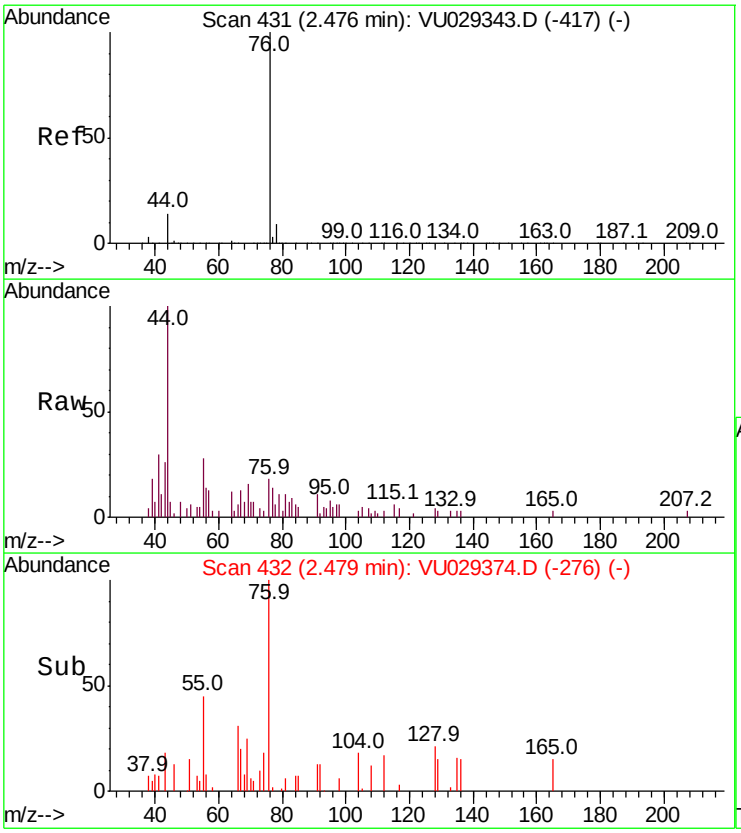
#13
Acetone
Concen: 0.073 ug/l
RT: 2.34 min Scan# 390
Delta R.T. 0.02 min
Lab File: VU029374.D
Acq: 08 Feb 2019 11:59

Instrument : MSVOA_U
ClientSampleId :

Tgt Ion: 43 Resp: 281

Ion	Ratio	Lower	Upper
43	100		
58	21.8	19.2	28.8

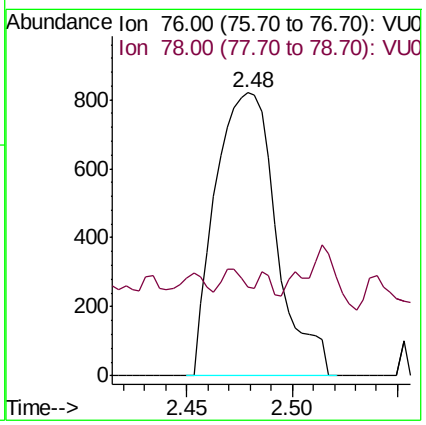


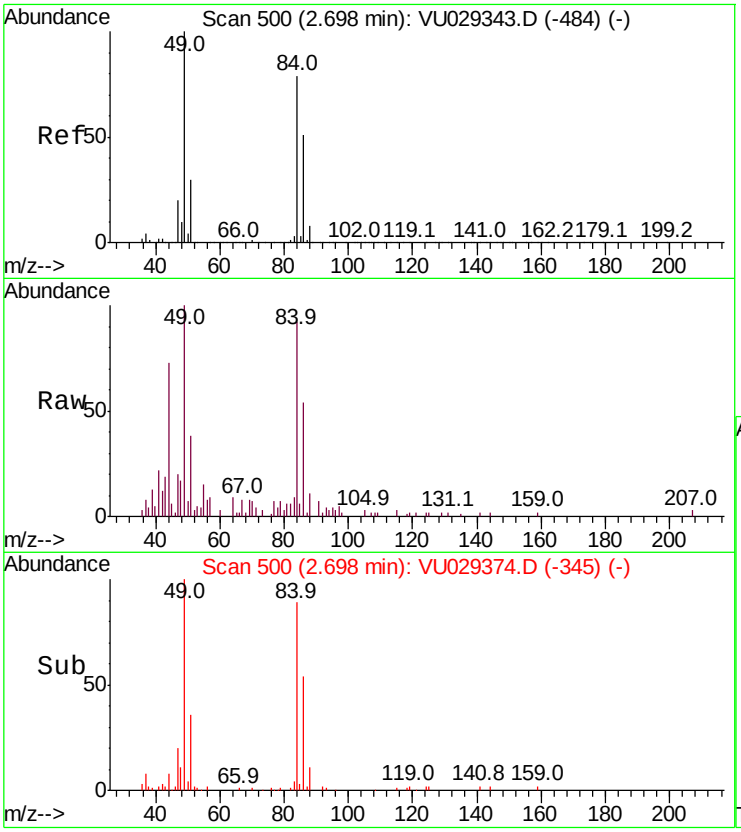


#14
Carbon Disulfide
Concen: 0.026 ug/l
RT: 2.48 min Scan# 432
Delta R.T. 0.00 min
Lab File: VU029374.D
Acq: 08 Feb 2019 11:59

Tgt Ion: 76 Resp: 1650

Ion	Ratio	Lower	Upper
76	100		
78	0.0	7.1	10.7#



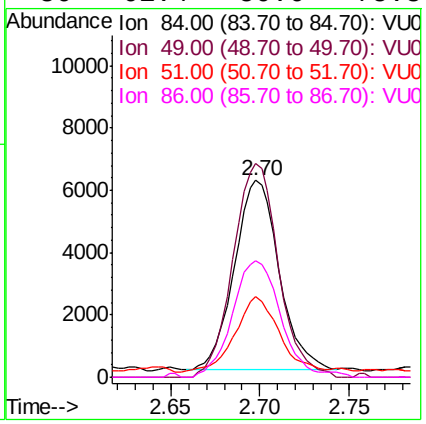


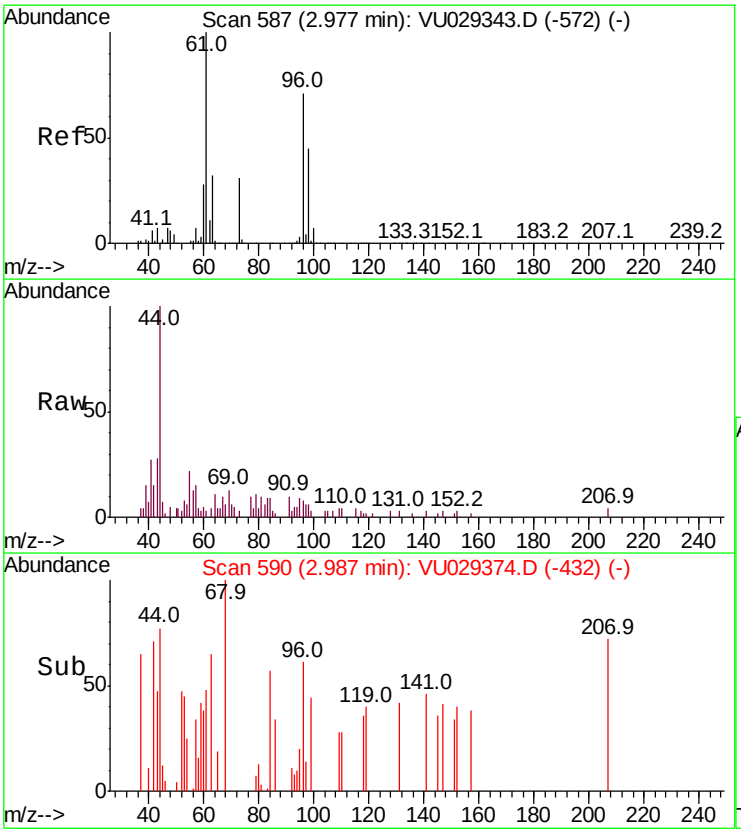
#15
Methylene Chloride
Concen: 0.491 ug/l
RT: 2.70 min Scan# 500
Delta R.T. -0.00 min
Lab File: VU029374.D
Acq: 08 Feb 2019 11:59

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 84 Resp: 10653

Ion	Ratio	Lower	Upper
84	100		
49	112.8	127.0	190.6#
51	39.4	0.0	93.4
86	61.4	50.6	75.8

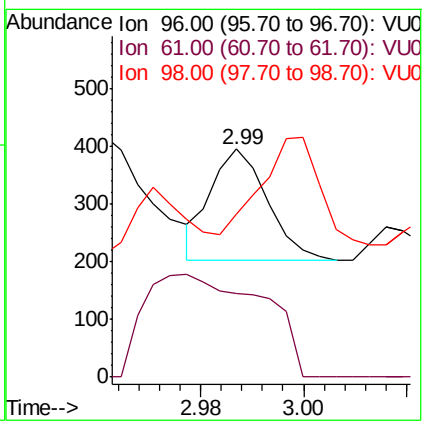


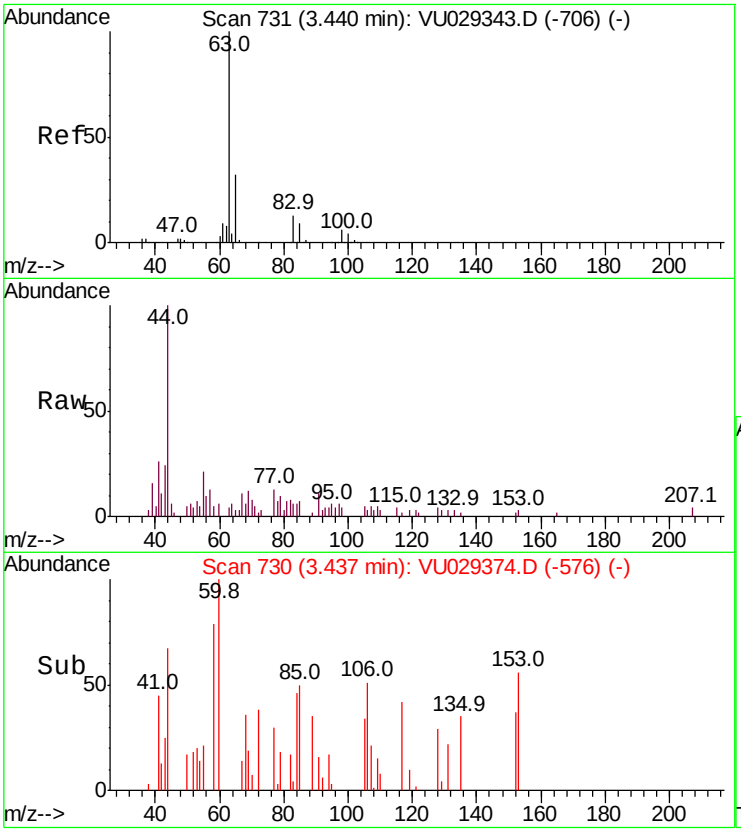


#16
trans-1,2-Dichloroethene
Concen: 0.007 ug/l
RT: 2.99 min Scan# 590
Delta R.T. 0.01 min
Lab File: VU029374.D
Acq: 08 Feb 2019 11:59

Tgt Ion: 96 Resp: 148

Ion	Ratio	Lower	Upper
96	100		
61	74.7	140.6	210.8#
98	12.9	49.3	73.9#



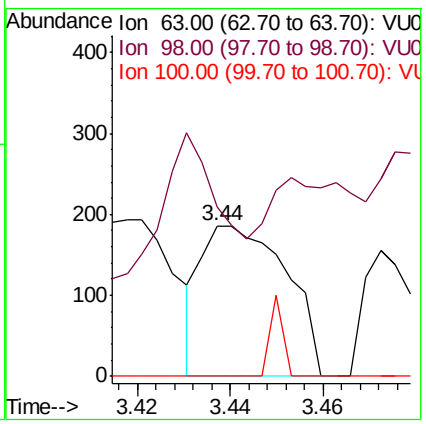


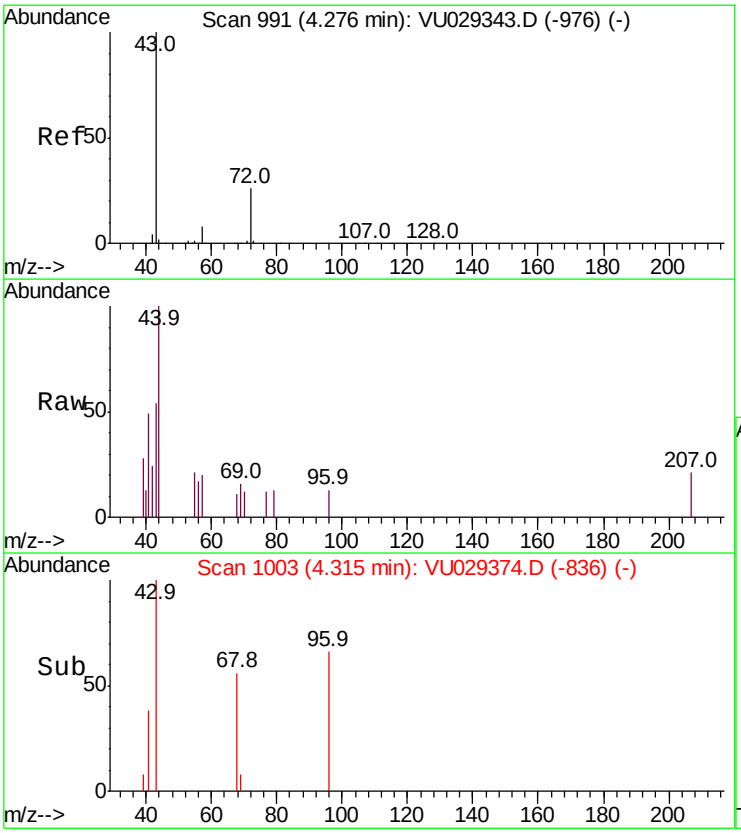
#17
1,1-Dichloroethane
Concen: 0.007 ug/l
RT: 3.44 min Scan# 730
Delta R.T. -0.00 min
Lab File: VU029374.D
Acq: 08 Feb 2019 11:59

Instrument : MSVOA_U
ClientSampleId :

Tgt Ion: 63 Resp: 237

Ion	Ratio	Lower	Upper
63	100		
98	0.0	2.9	8.8#
100	0.0	1.7	5.1#

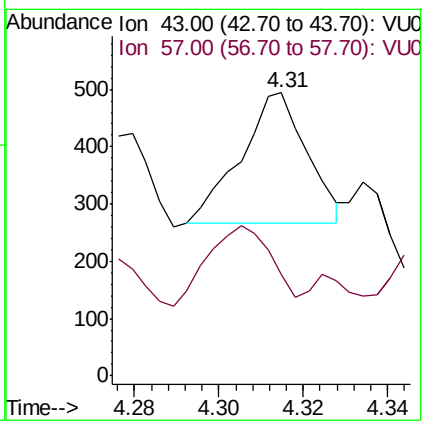


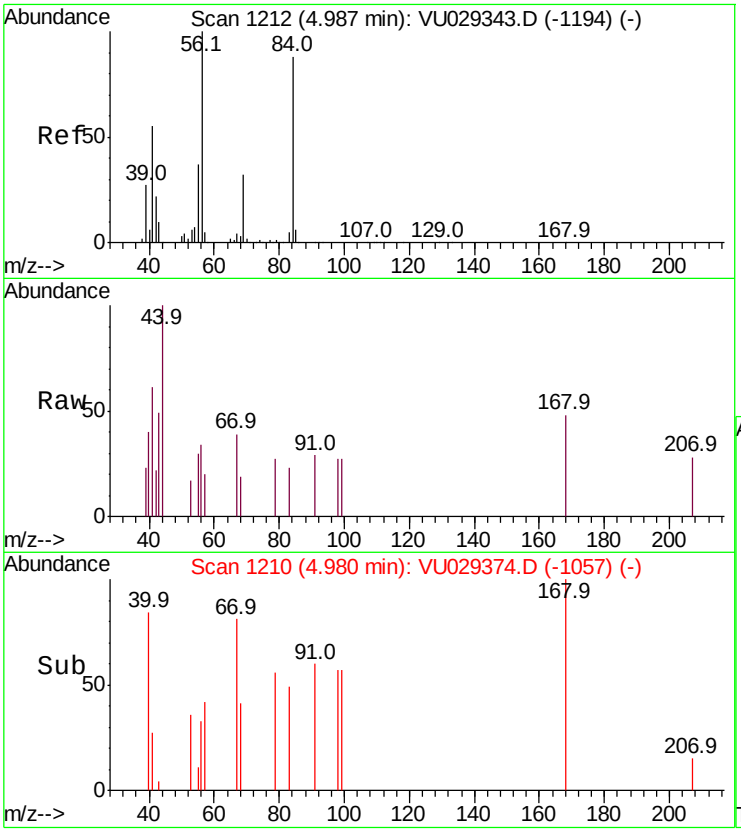


#18
2-Butanone
Concen: 0.057 ug/l
RT: 4.31 min Scan# 1003
Delta R.T. 0.04 min
Lab File: VU029374.D
Acq: 08 Feb 2019 11:59

Tgt Ion: 43 Resp: 247

Ion	Ratio	Lower	Upper
43	100		
57	12.8	0.0	15.8



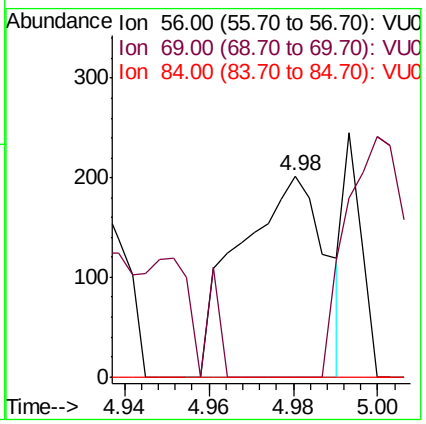


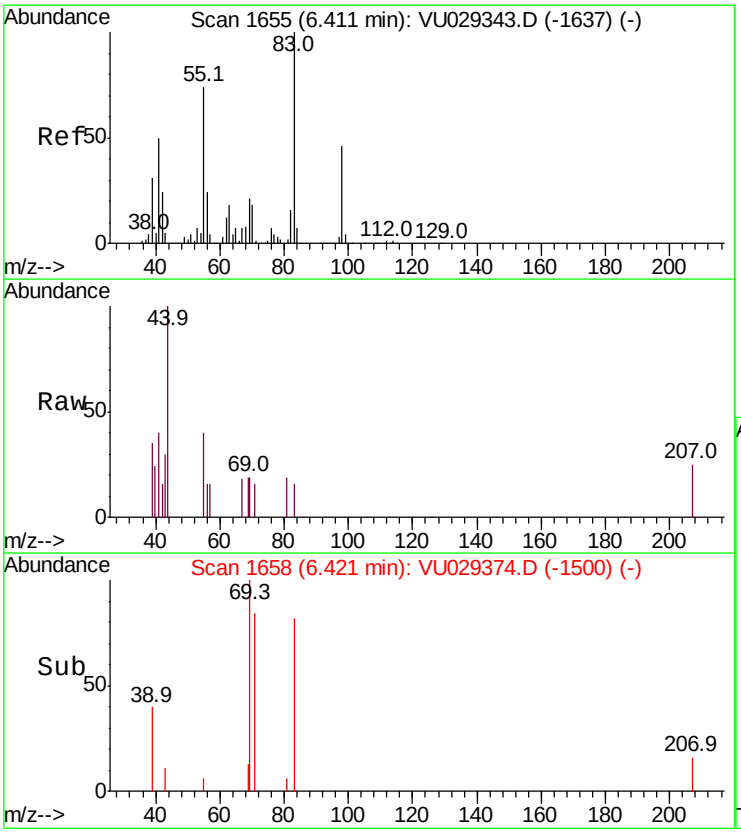
#19
Cyclohexane
Concen: 0.010 ug/l
RT: 4.98 min Scan# 1210
Delta R.T. -0.01 min
Lab File: VU029374.D
Acq: 08 Feb 2019 11:59

Instrument : MSVOA_U
ClientSampleId :

Tgt Ion: 56 Resp: 283

Ion	Ratio	Lower	Upper
56	100		
69	0.0	26.8	40.2#
84	0.0	71.5	107.3#

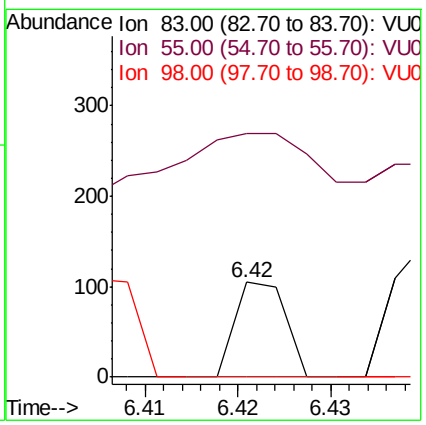


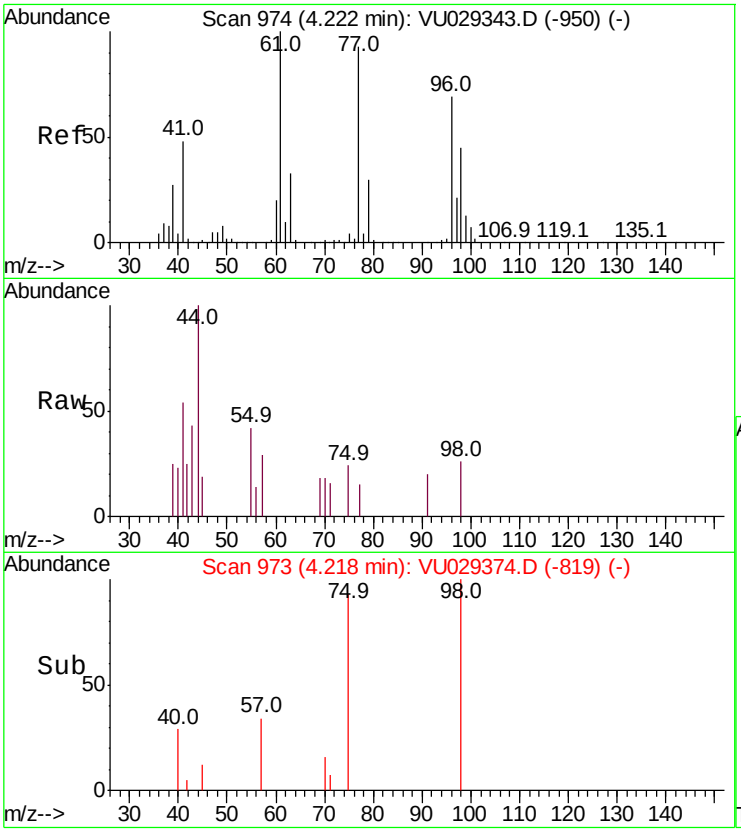


#20
Methylcyclohexane
Concen: 0.001 ug/l
RT: 6.42 min Scan# 1658
Delta R.T. 0.01 min
Lab File: VU029374.D
Acq: 08 Feb 2019 11:59

Tgt Ion: 83 Resp: 40

Ion	Ratio	Lower	Upper
83	100		
55	0.0	72.4	108.6#
98	0.0	36.6	54.8#



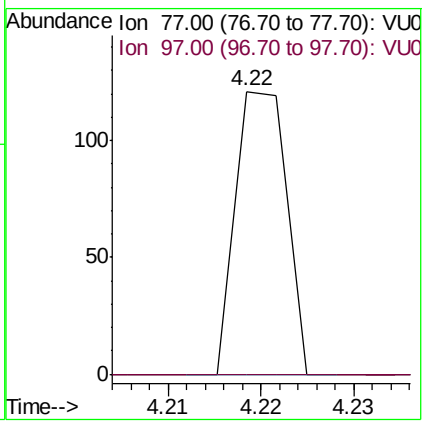


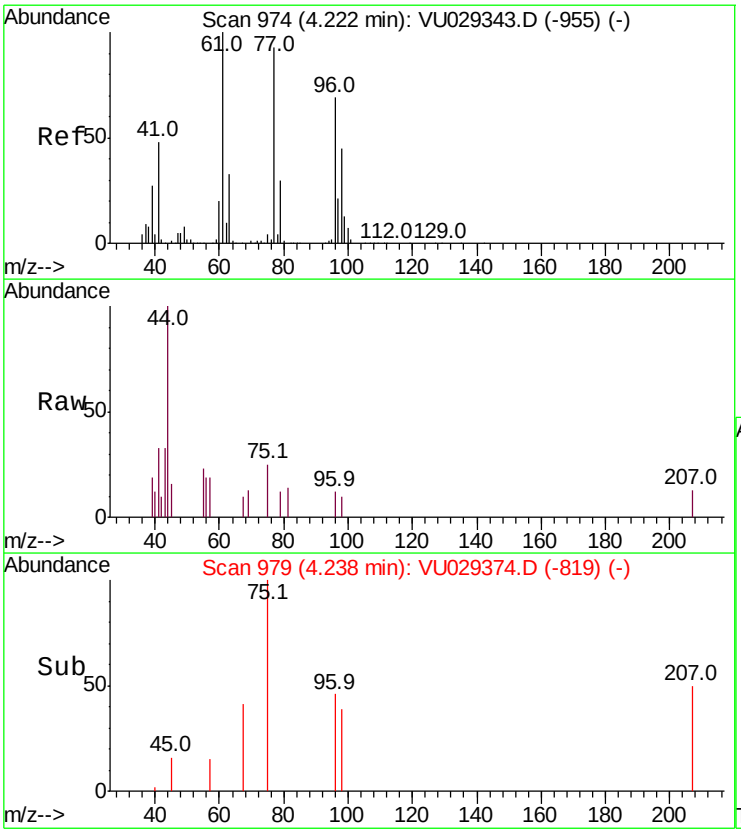
#21
2,2-Dichloropropane
Concen: 0.002 ug/l
RT: 4.22 min Scan# 973
Delta R.T. -0.00 min
Lab File: VU029374.D
Acq: 08 Feb 2019 11:59

Instrument : MSVOA_U
ClientSampleId :

Tgt Ion: 77 Resp: 46

Ion	Ratio	Lower	Upper
77	100		
97	0.0	15.6	23.4#

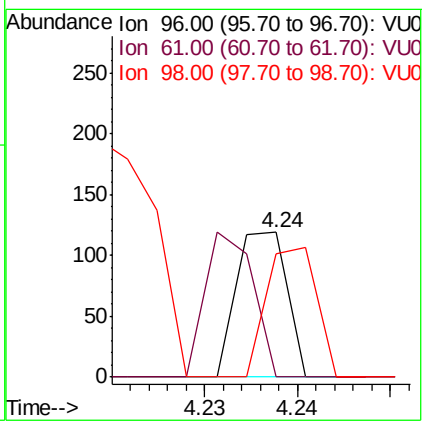


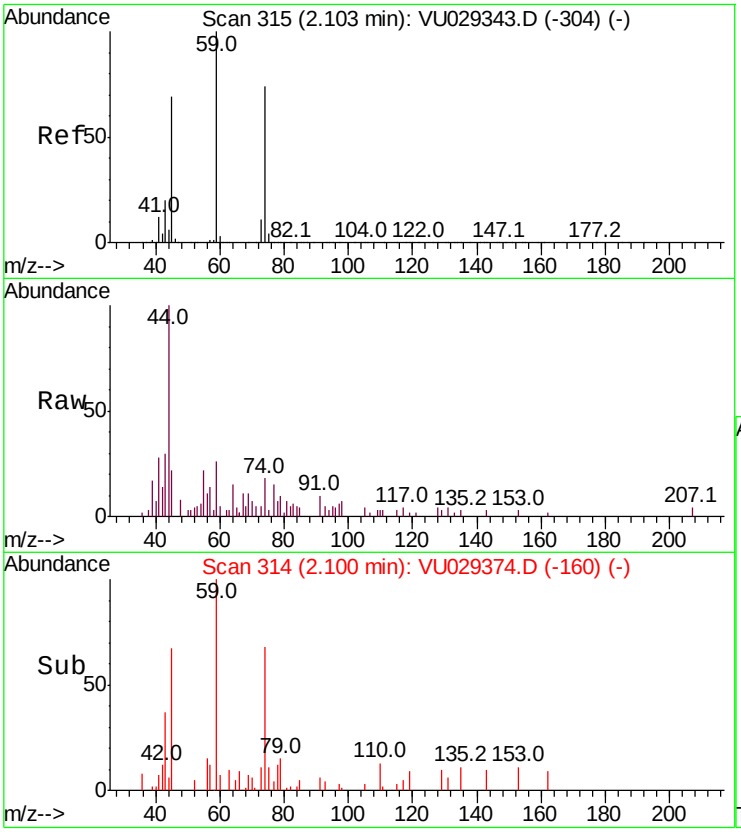


#22
cis-1,2-Dichloroethene
Concen: 0.002 ug/l
RT: 4.24 min Scan# 979
Delta R.T. 0.02 min
Lab File: VU029374.D
Acq: 08 Feb 2019 11:59

Tgt Ion: 96 Resp: 46

Ion	Ratio	Lower	Upper
96	100		
61	91.3	0.0	460.0
98	87.0	32.6	97.7



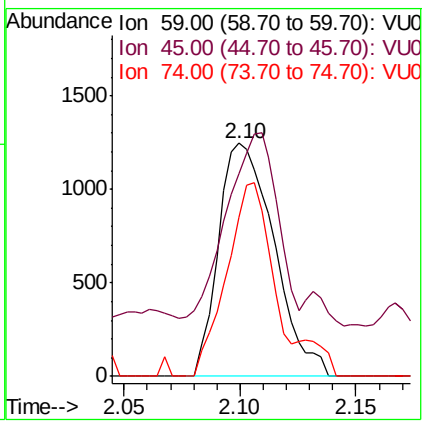


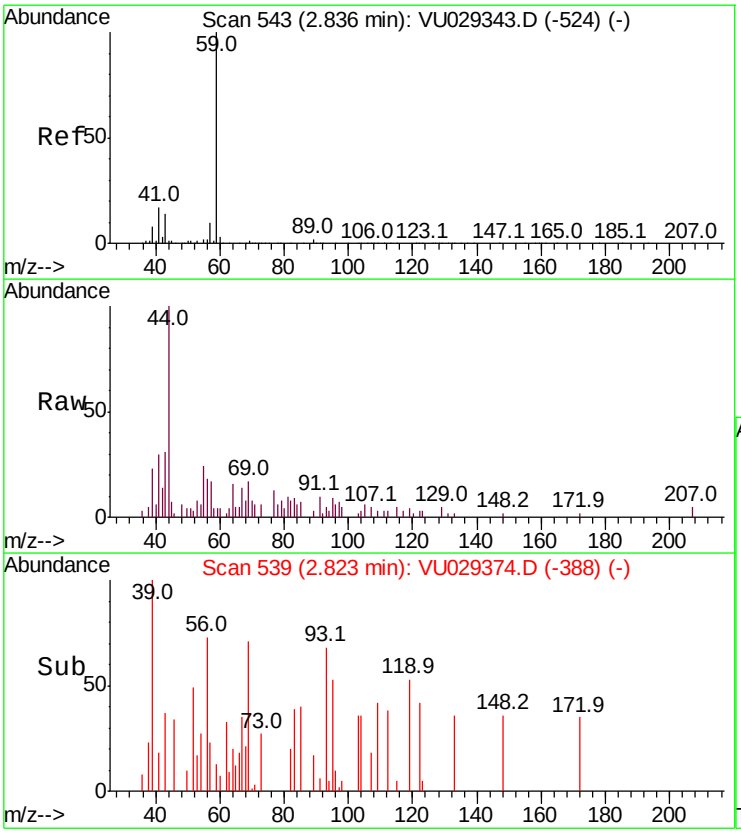
#23
Diethyl Ether
Concen: 0.144 ug/l
RT: 2.10 min Scan# 314
Delta R.T. -0.00 min
Lab File: VU029374.D
Acq: 08 Feb 2019 11:59

Instrument : MSVOA_U
ClientSampleId :

Tgt Ion: 59 Resp: 2071

Ion	Ratio	Lower	Upper
59	100		
45	71.1	64.2	96.4
74	68.5	55.3	82.9

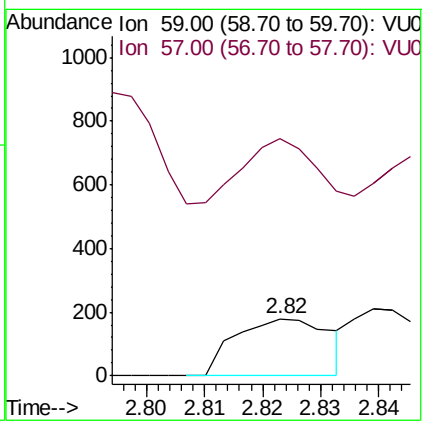


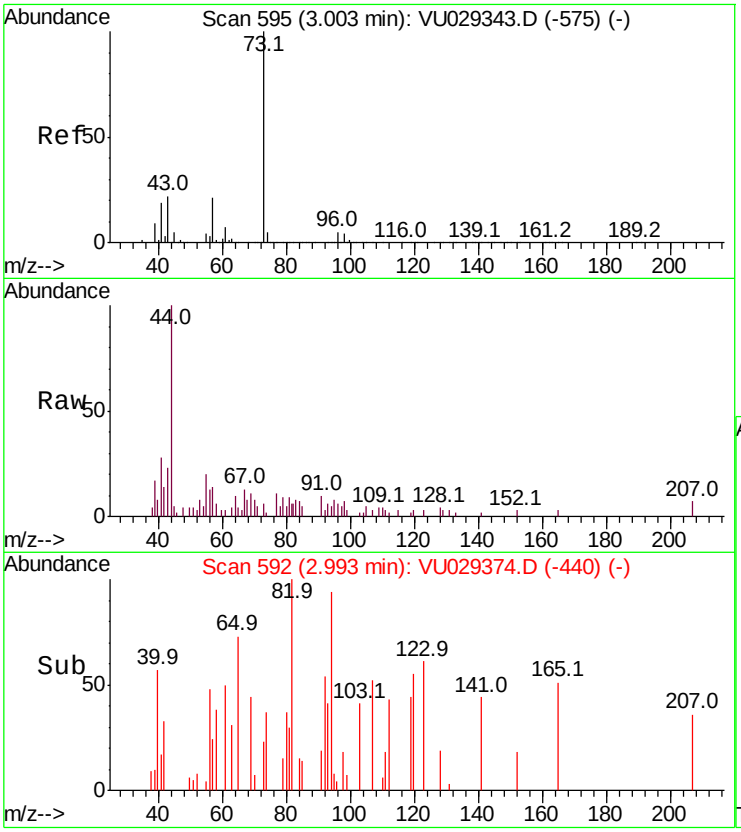


#24
tert-Butyl Alcohol
Concen: 0.135 ug/l
RT: 2.82 min Scan# 539
Delta R.T. -0.01 min
Lab File: VU029374.D
Acq: 08 Feb 2019 11:59

Tgt Ion: 59 Resp: 202

Ion	Ratio	Lower	Upper
59	100		
57	103.5	8.8	13.2#



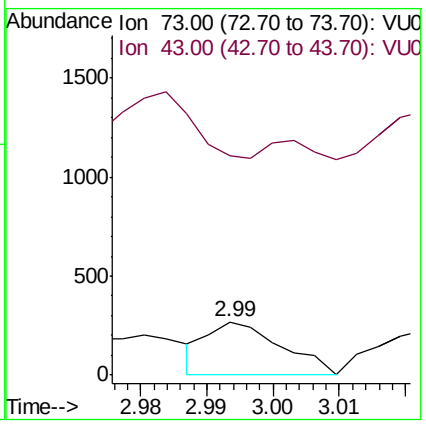


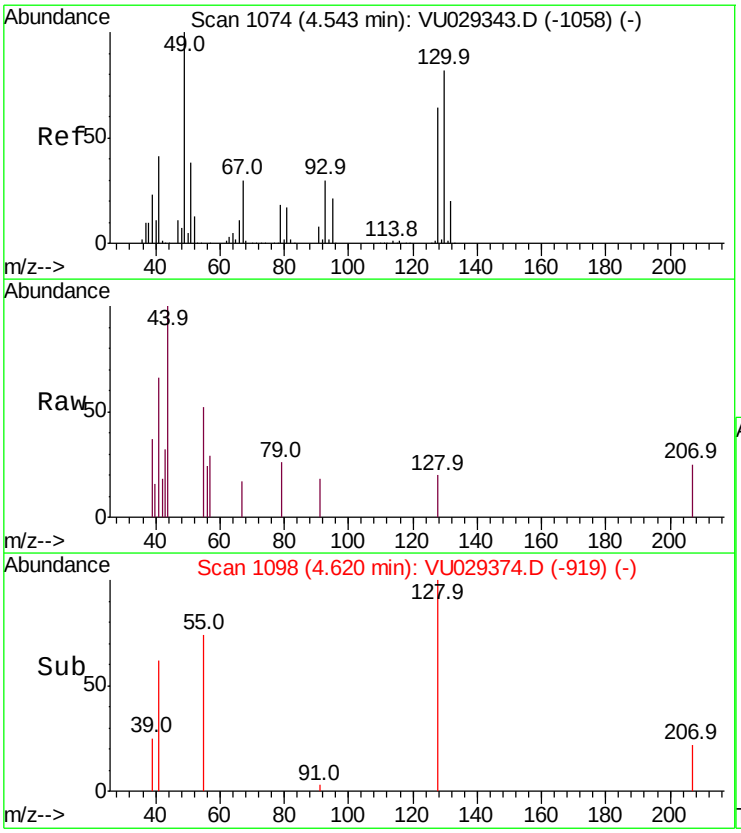
#25
Methyl tert-Butyl Ether
Concen: 0.004 ug/l
RT: 2.99 min Scan# 592
Delta R.T. -0.01 min
Lab File: VU029374.D
Acq: 08 Feb 2019 11:59

Instrument : MSVOA_U
ClientSampleId :

Tgt Ion: 73 Resp: 211

Ion	Ratio	Lower	Upper
73	100		
43	202.4	22.1	33.1#

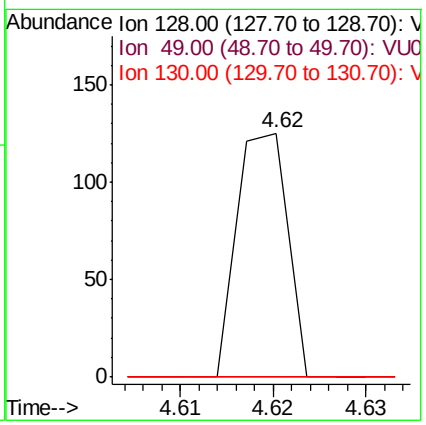


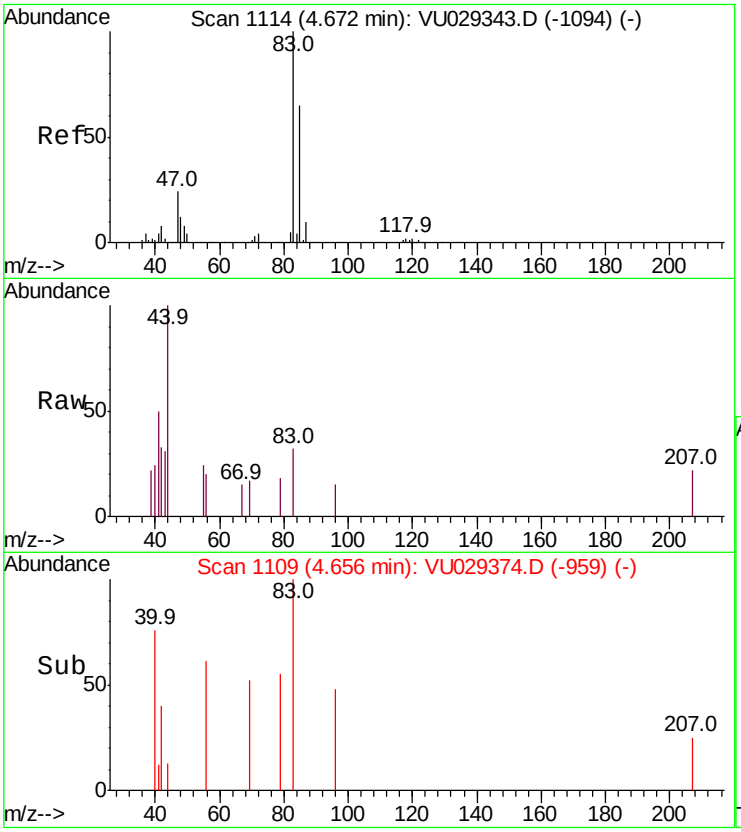


#26
Bromochloromethane
Concen: 0.006 ug/l
RT: 4.62 min Scan# 1098
Delta R.T. 0.08 min
Lab File: VU029374.D
Acq: 08 Feb 2019 11:59

Tgt Ion:128 Resp: 47

Ion	Ratio	Lower	Upper
128	100		
49	0.0	0.0	401.6
130	0.0	108.0	162.0#



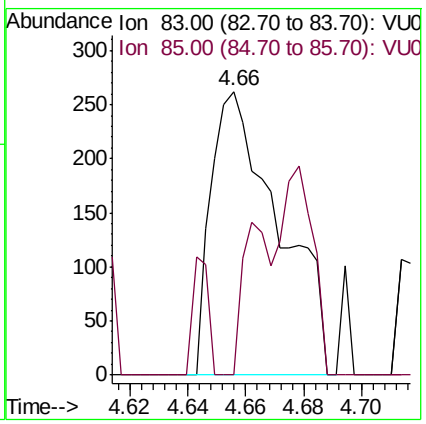


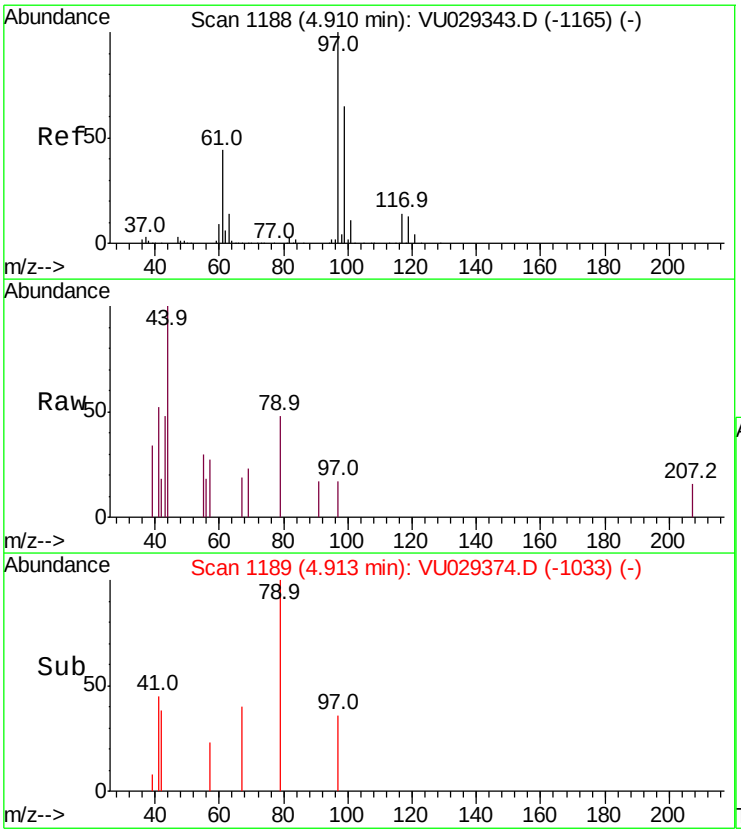
#27
Chloroform
Concen: 0.014 ug/l
RT: 4.66 min Scan# 1109
Delta R.T. -0.02 min
Lab File: VU029374.D
Acq: 08 Feb 2019 11:59

Instrument : MSVOA_U
ClientSampleId :

Tgt Ion: 83 Resp: 424

Ion	Ratio	Lower	Upper
83	100		
85	0.0	0.0	126.6

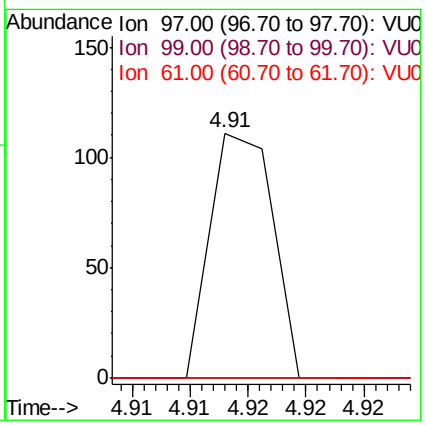


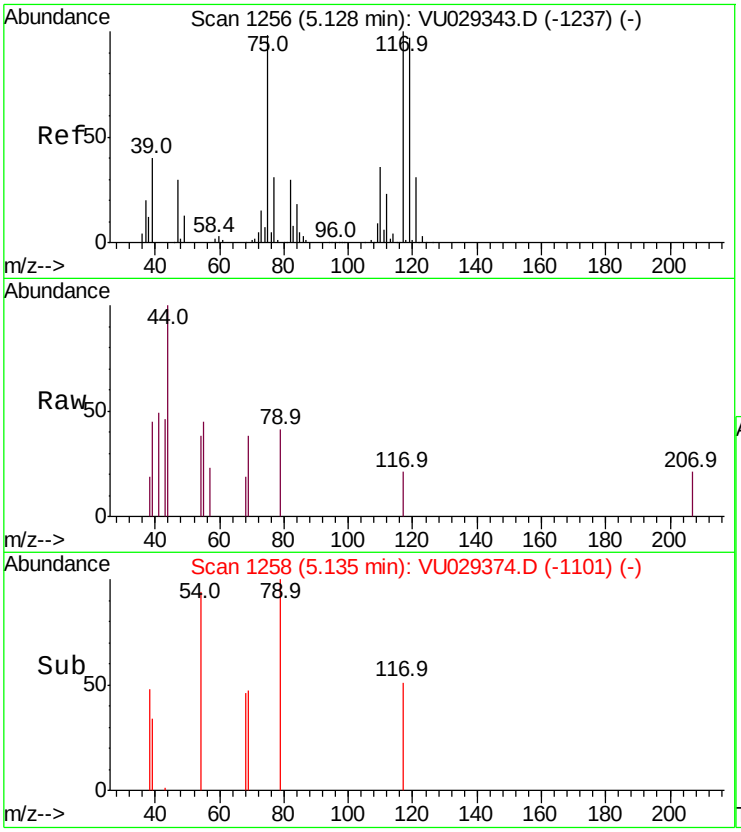


#28
1,1,1-Trichloroethane
Concen: 0.001 ug/l
RT: 4.91 min Scan# 1189
Delta R.T. 0.00 min
Lab File: VU029374.D
Acq: 08 Feb 2019 11:59

Tgt Ion: 97 Resp: 41

Ion	Ratio	Lower	Upper
97	100		
99	0.0	32.4	97.2#
61	0.0	24.4	73.2#



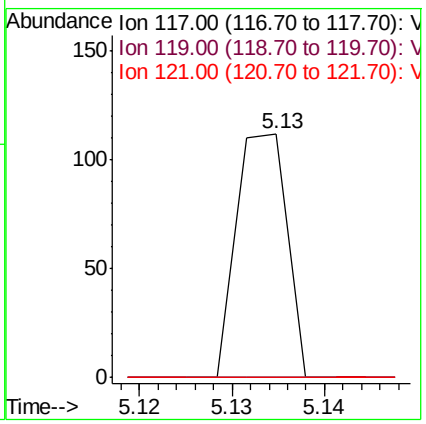


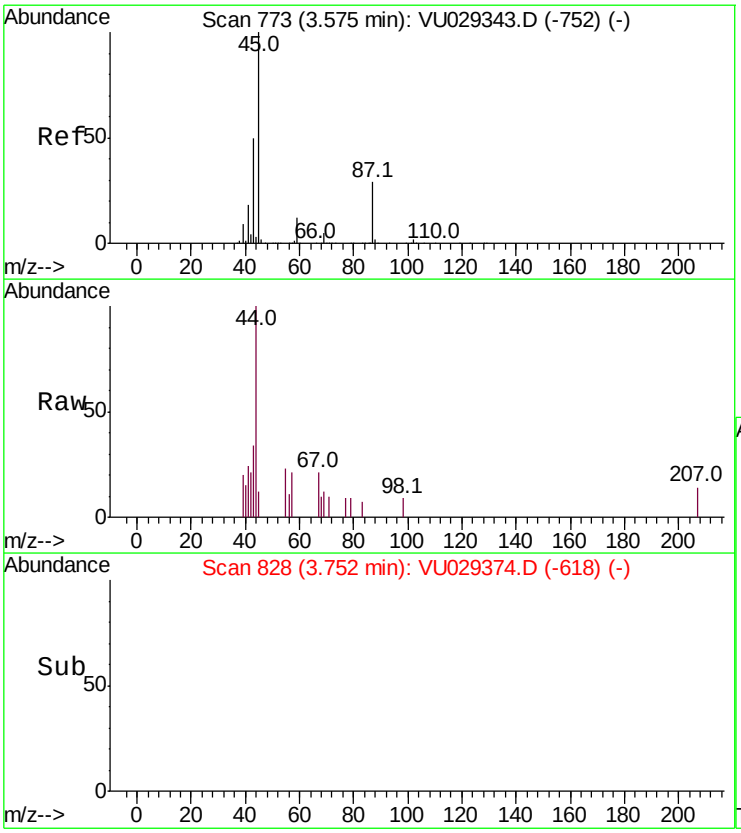
#30
Carbon Tetrachloride
Concen: 0.002 ug/l
RT: 5.13 min Scan# 1258
Delta R.T. 0.01 min
Lab File: VU029374.D
Acq: 08 Feb 2019 11:59

Instrument : MSVOA_U
ClientSampleId :

Tgt Ion:117 Resp: 43

Ion	Ratio	Lower	Upper
117	100		
119	0.0	76.8	115.2#
121	0.0	24.4	36.6#

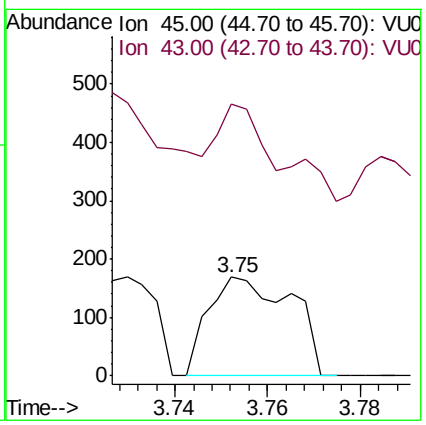


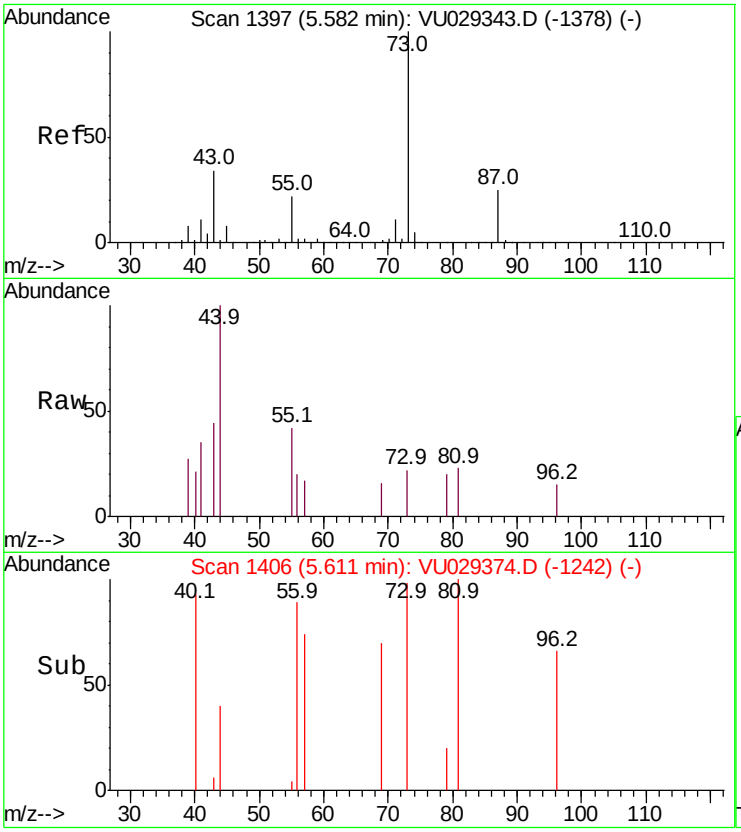


#31
Isopropyl Ether
Concen: 0.004 ug/l
RT: 3.75 min Scan# 828
Delta R.T. 0.18 min
Lab File: VU029374.D
Acq: 08 Feb 2019 11:59

Tgt Ion: 45 Resp: 210

Ion	Ratio	Lower	Upper
45	100		
43	70.0	28.4	85.3



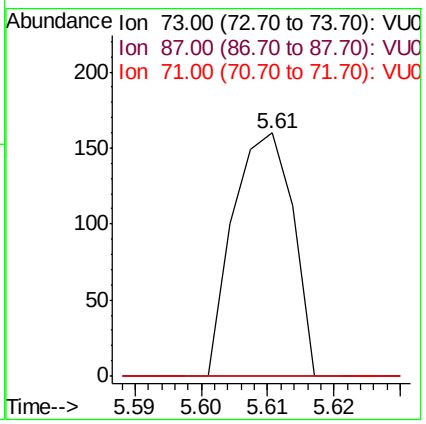


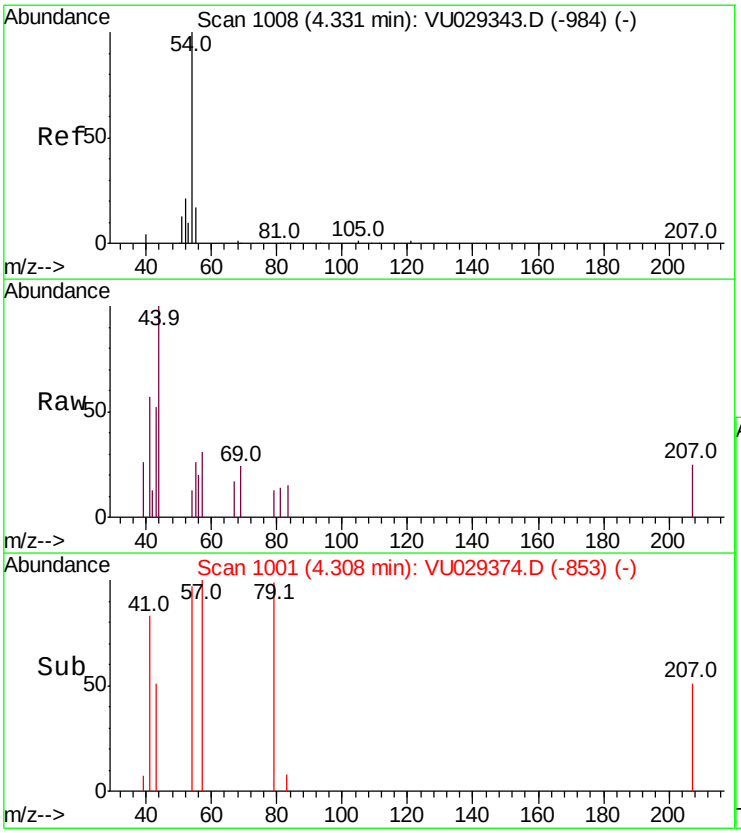
#33
Tert-Amyl methyl ether
Concen: 0.002 ug/l
RT: 5.61 min Scan# 1406
Delta R.T. 0.03 min
Lab File: VU029374.D
Acq: 08 Feb 2019 11:59

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 73 Resp: 100

Ion	Ratio	Lower	Upper
73	100		
87	0.0	19.4	29.0#
71	42.0	9.0	13.4#

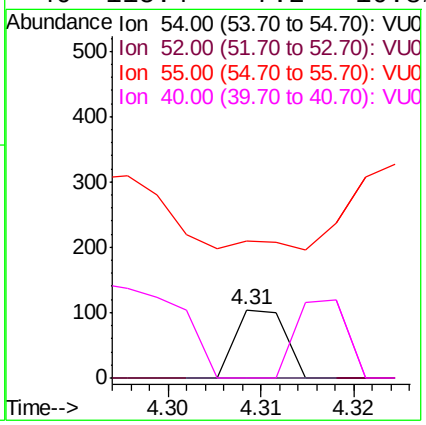


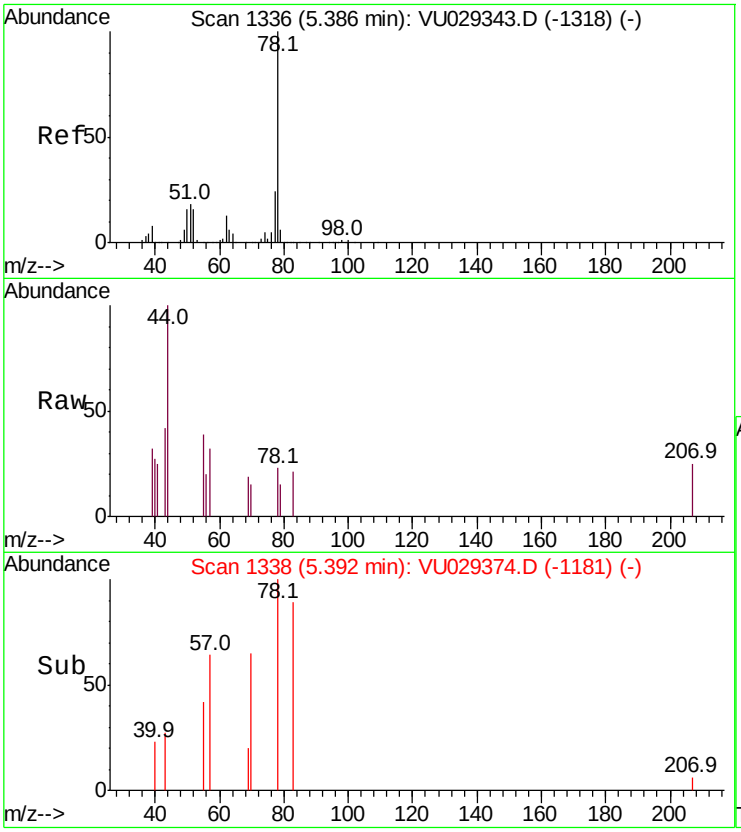


#34
Propionitrile
Concen: 0.034 ug/l
RT: 4.31 min Scan# 1001
Delta R.T. -0.02 min
Lab File: VU029374.D
Acq: 08 Feb 2019 11:59

Tgt Ion: 54 Resp: 39

Ion	Ratio	Lower	Upper
54	100		
52	0.0	18.9	28.3#
55	189.7	15.1	22.7#
40	115.4	7.2	10.8#



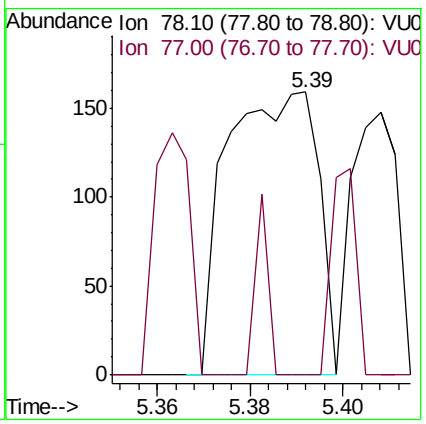


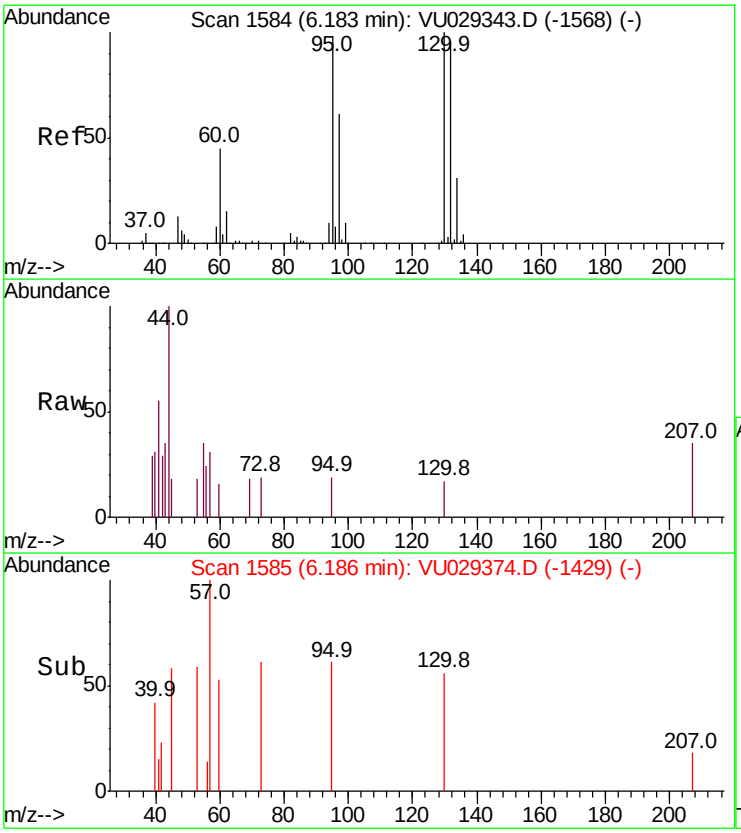
#35
Benzene
Concen: 0.003 ug/l
RT: 5.39 min Scan# 1338
Delta R.T. 0.01 min
Lab File: VU029374.D
Acq: 08 Feb 2019 11:59

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 78 Resp: 216

Ion	Ratio	Lower	Upper
78	100		
77	0.0	19.8	29.8#

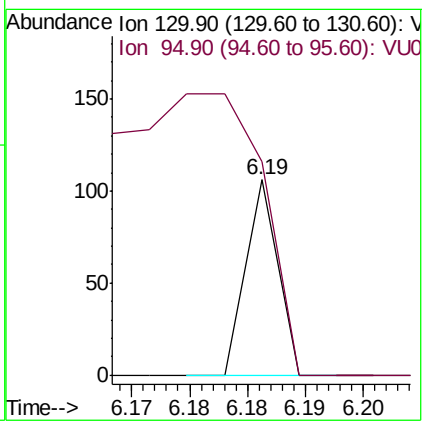


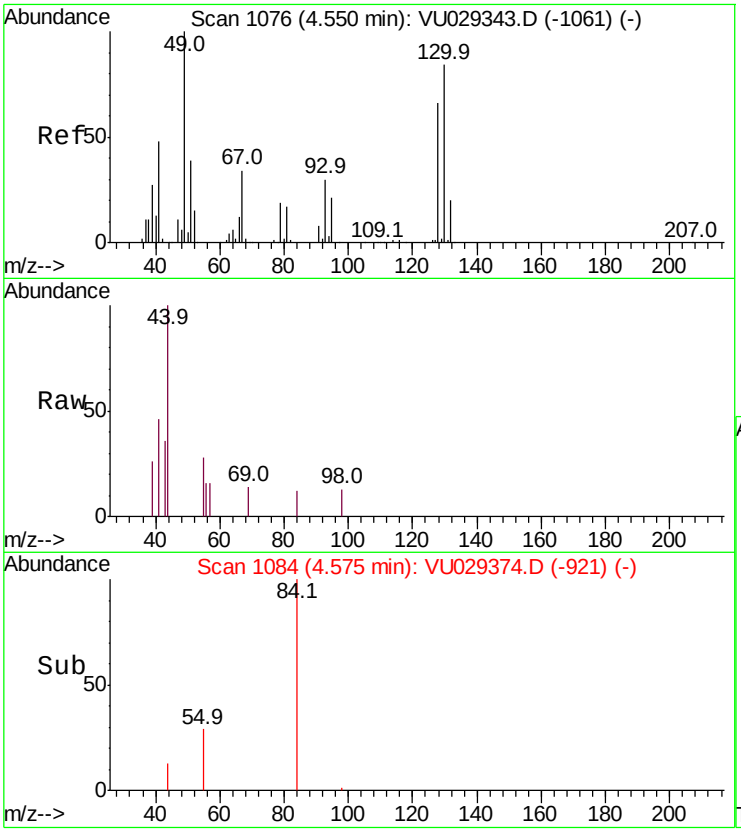


#37
Trichloroethene
Concen: 0.001 ug/l
RT: 6.19 min Scan# 1585
Delta R.T. 0.00 min
Lab File: VU029374.D
Acq: 08 Feb 2019 11:59

Tgt Ion:130 Resp: 20

Ion	Ratio	Lower	Upper
130	100		
95	109.4	85.4	128.0



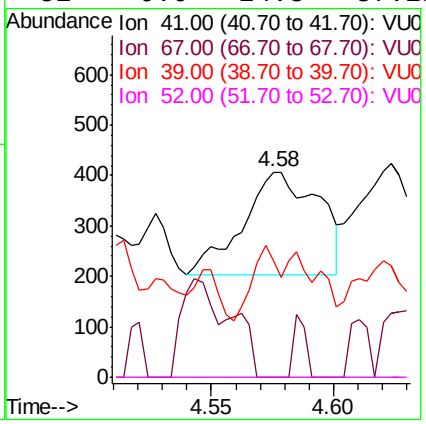


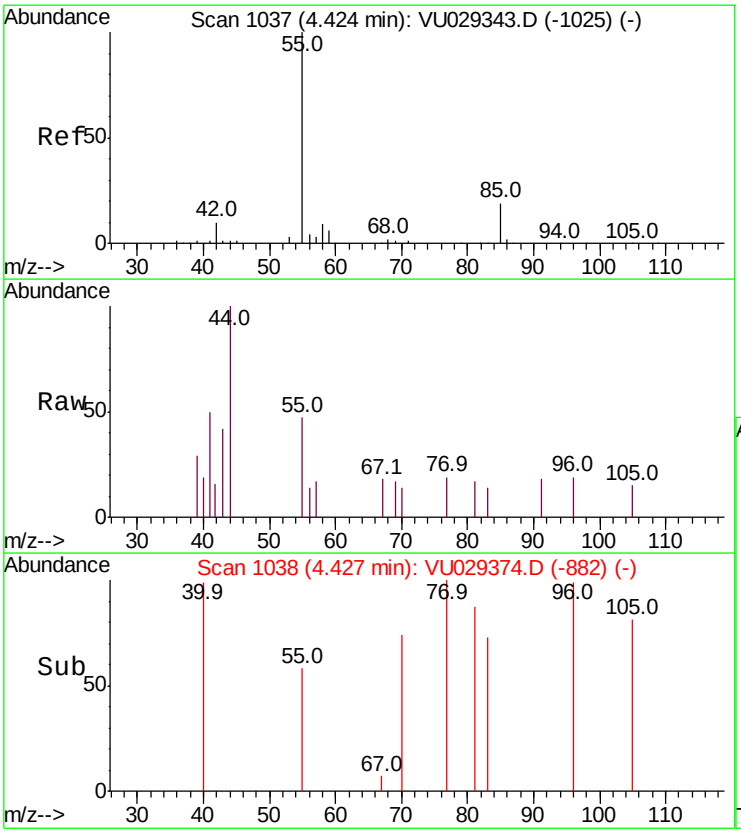
#39
Methacrylonitrile
Concen: 0.076 ug/l
RT: 4.58 min Scan# 1084
Delta R.T. 0.03 min
Lab File: VU029374.D
Acq: 08 Feb 2019 11:59

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 41 Resp: 442

Ion	Ratio	Lower	Upper
41	100		
67	9.7	50.1	75.1#
39	24.7	47.9	71.9#
52	0.0	24.8	37.2#

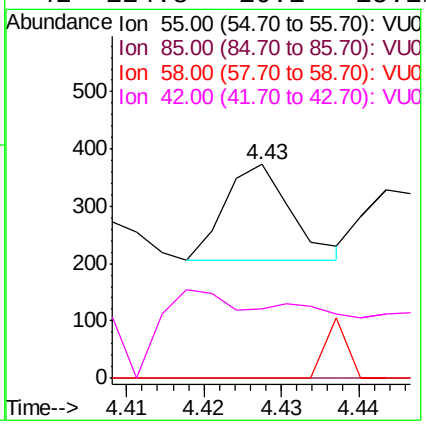


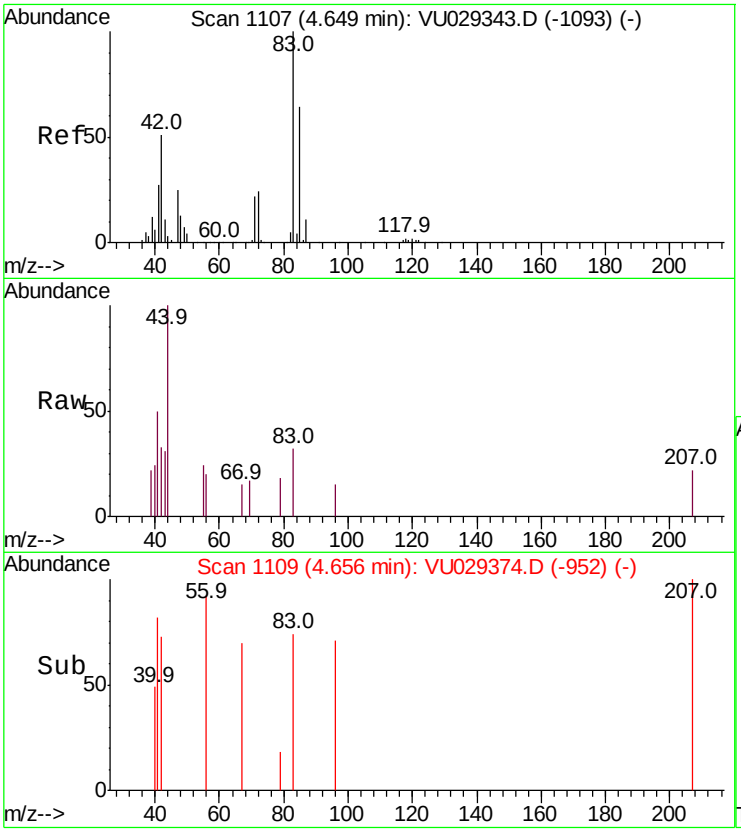


#40
Methyl acrylate
Concen: 0.012 ug/l
RT: 4.43 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VU029374.D
Acq: 08 Feb 2019 11:59

Tgt Ion: 55 Resp: 101

Ion	Ratio	Lower	Upper
55	100		
85	0.0	11.3	16.9#
58	0.0	6.2	9.4#
42	124.8	10.1	15.1#



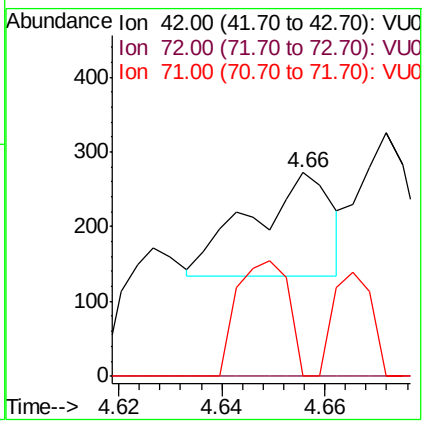


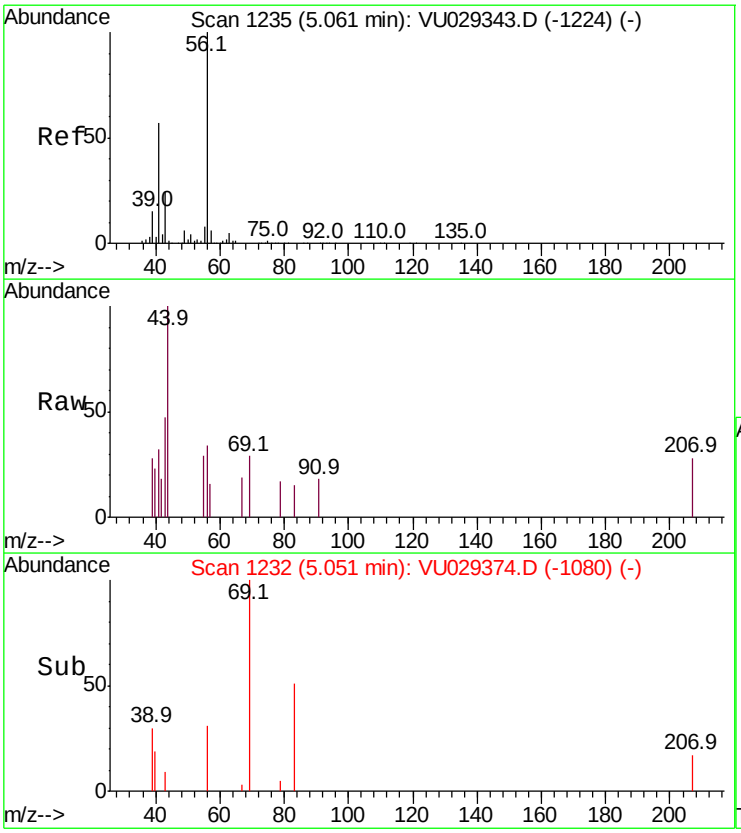
#41
Tetrahydrofuran
Concen: 0.051 ug/l
RT: 4.66 min Scan# 1109
Delta R.T. 0.01 min
Lab File: VU029374.D
Acq: 08 Feb 2019 11:59

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 42 Resp: 148

Ion	Ratio	Lower	Upper
42	100		
72	0.0	33.1	49.7#
71	71.6	30.2	45.2#

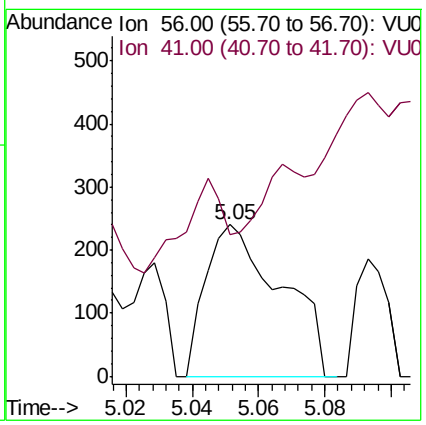


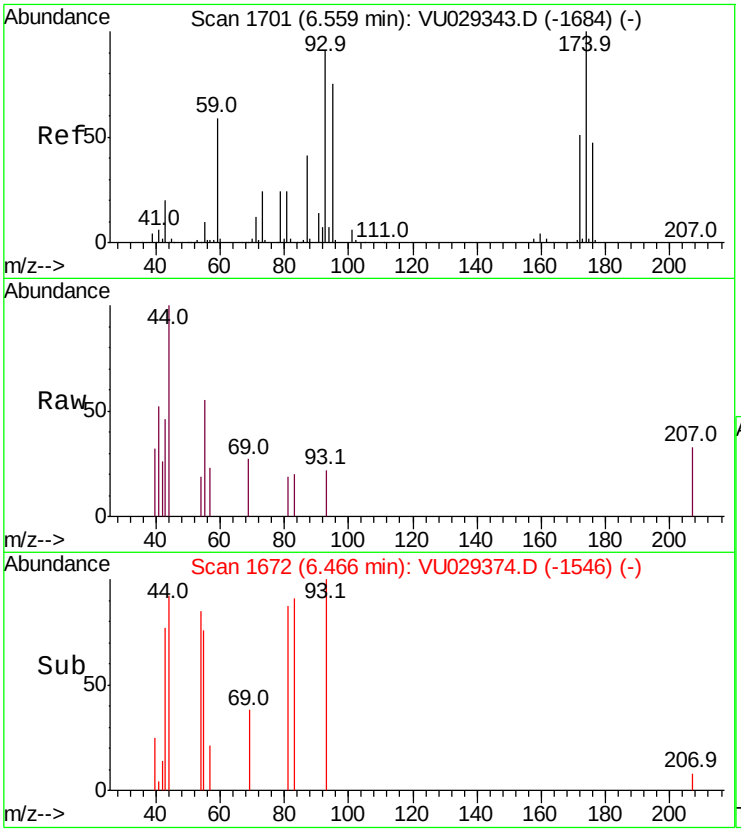


#42
1-Chlorobutane
Concen: 0.011 ug/l
RT: 5.05 min Scan# 1232
Delta R.T. -0.01 min
Lab File: VU029374.D
Acq: 08 Feb 2019 11:59

Tgt Ion: 56 Resp: 380

Ion	Ratio	Lower	Upper
56	100		
41	36.1	31.3	93.8



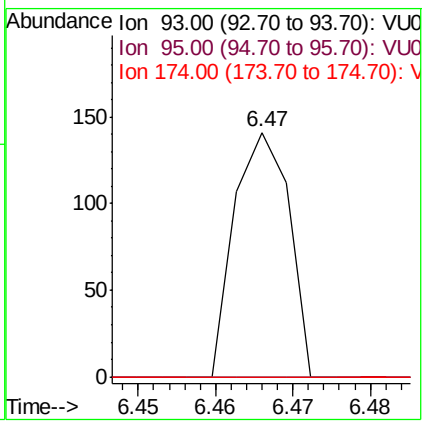


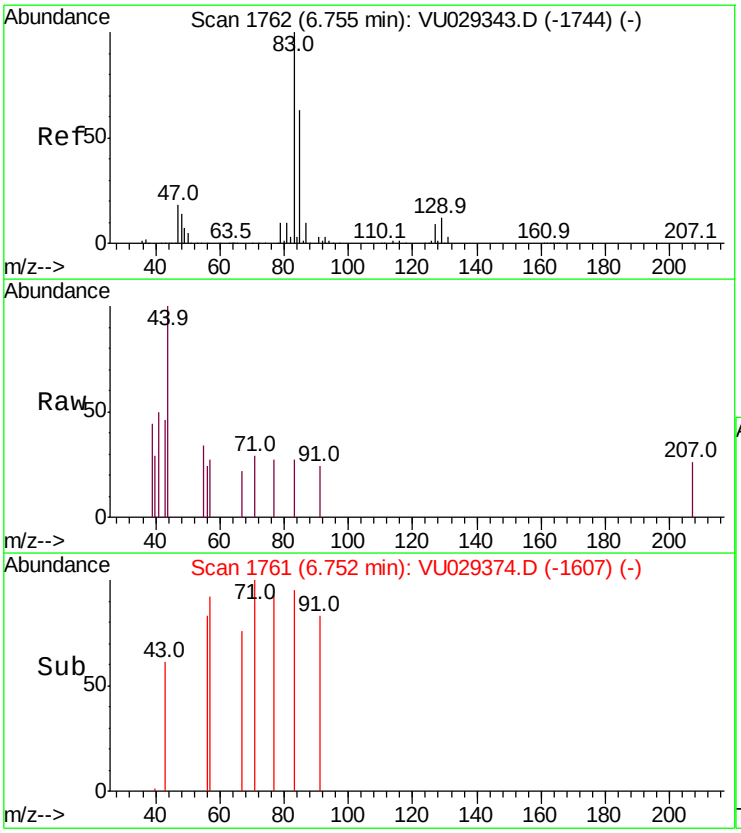
#43
Dibromomethane
Concen: 0.007 ug/l
RT: 6.47 min Scan# 1672
Delta R.T. -0.09 min
Lab File: VU029374.D
Acq: 08 Feb 2019 11:59

Instrument : MSVOA_U
ClientSampleId :

Tgt Ion: 93 Resp: 69

Ion	Ratio	Lower	Upper
93	100		
95	60.9	68.2	102.2#
174	0.0	77.6	116.4#

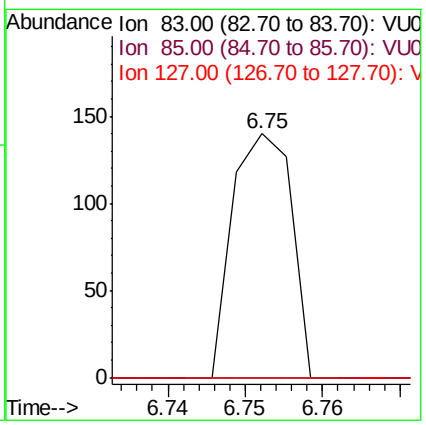


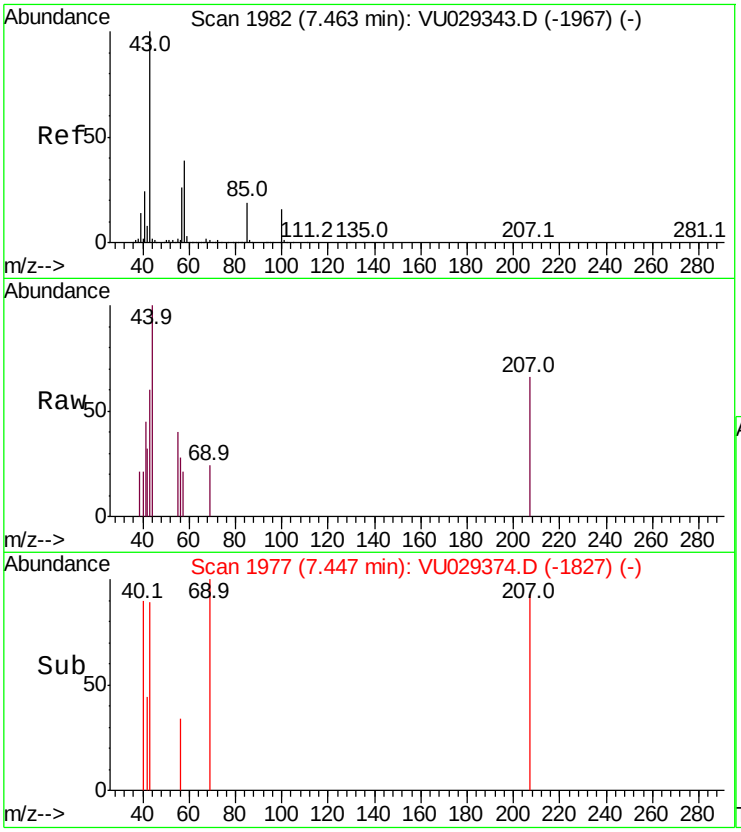


#44
Bromodichloromethane
Concen: 0.003 ug/l
RT: 6.75 min Scan# 1761
Delta R.T. -0.00 min
Lab File: VU029374.D
Acq: 08 Feb 2019 11:59

Tgt Ion: 83 Resp: 74

Ion	Ratio	Lower	Upper
83	100		
85	0.0	49.2	73.8#
127	0.0	7.0	10.6#



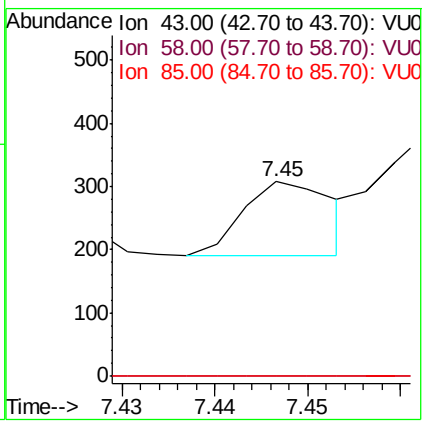


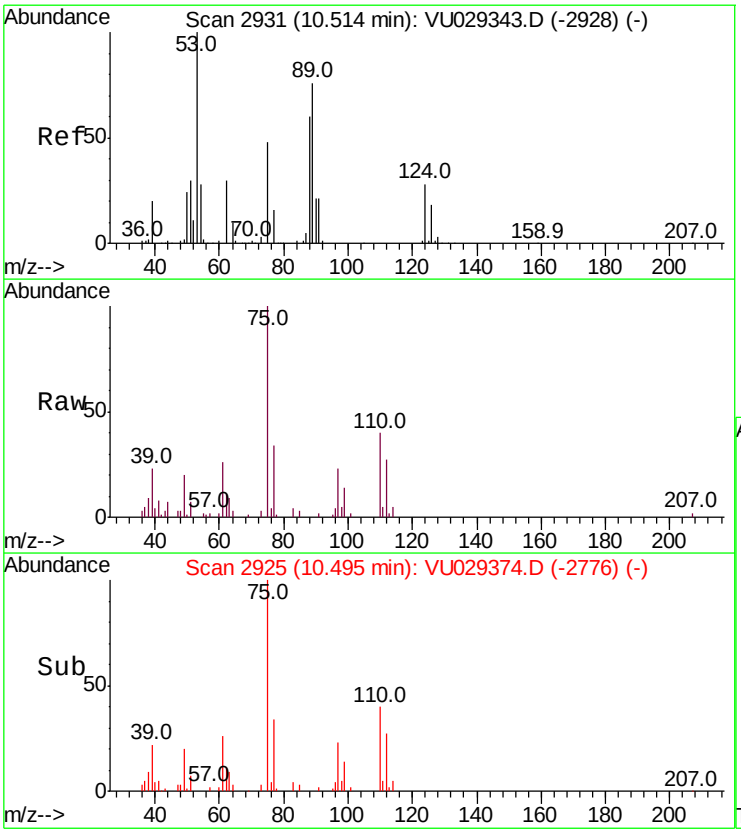
#45
4-Methyl-2-Pentanone
Concen: 0.007 ug/l
RT: 7.45 min Scan# 1977
Delta R.T. -0.02 min
Lab File: VU029374.D
Acq: 08 Feb 2019 11:59

Instrument : MSVOA_U
ClientSampleId :

Tgt Ion: 43 Resp: 79

Ion	Ratio	Lower	Upper
43	100		
58	0.0	17.6	52.8#
85	0.0	12.3	18.5#

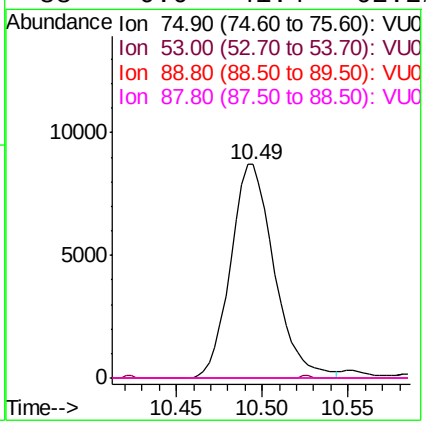


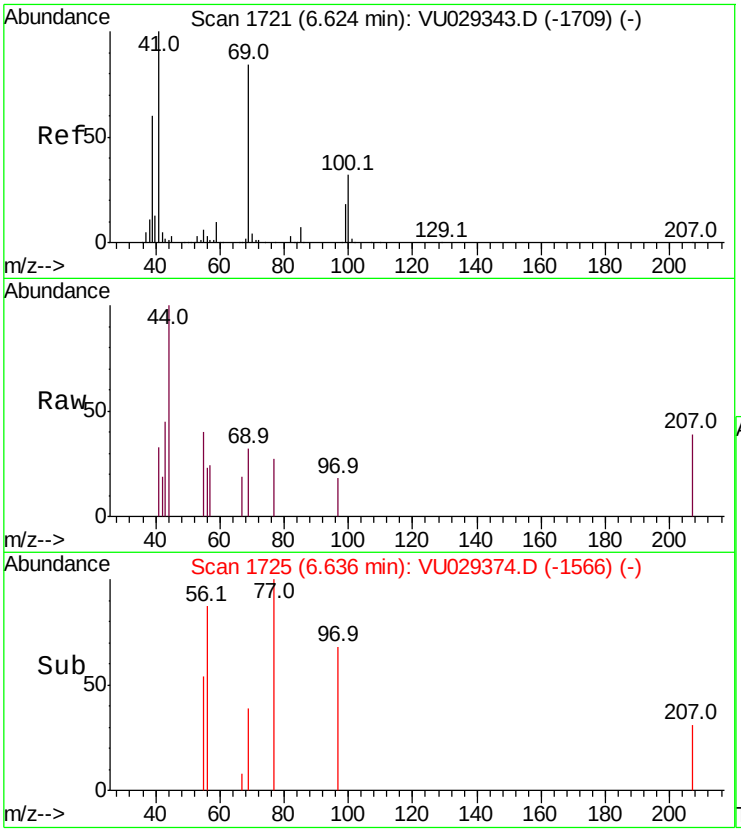


#46
t-1,4-Dichloro-2-butene
Concen: 2.833 ug/l
RT: 10.49 min Scan# 2925
Delta R.T. -0.02 min
Lab File: VU029374.D
Acq: 08 Feb 2019 11:59

Tgt Ion: 75 Resp: 15381

Ion	Ratio	Lower	Upper
75	100		
53	0.3	78.2	117.4#
89	0.3	44.2	66.4#
88	0.0	41.4	62.2#



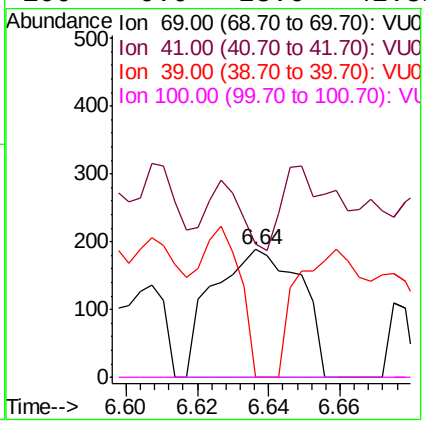


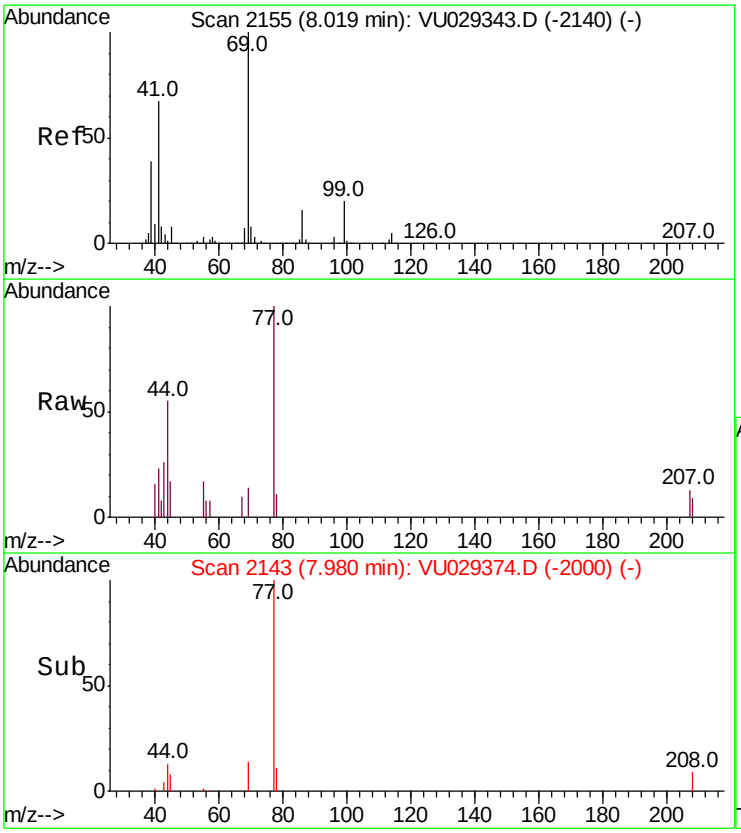
#47
Methyl methacrylate
Concen: 0.038 ug/l
RT: 6.64 min Scan# 1725
Delta R.T. 0.01 min
Lab File: VU029374.D
Acq: 08 Feb 2019 11:59

Instrument : MSVOA_U
ClientSampleId :

Tgt Ion: 69 Resp: 320

Ion	Ratio	Lower	Upper
69	100		
41	21.3	0.0	296.2
39	54.7	71.2	106.8#
100	0.0	28.6	42.8#

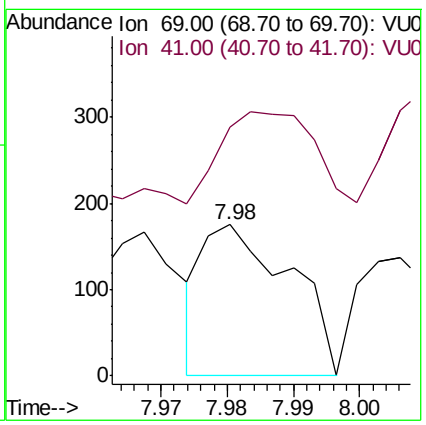


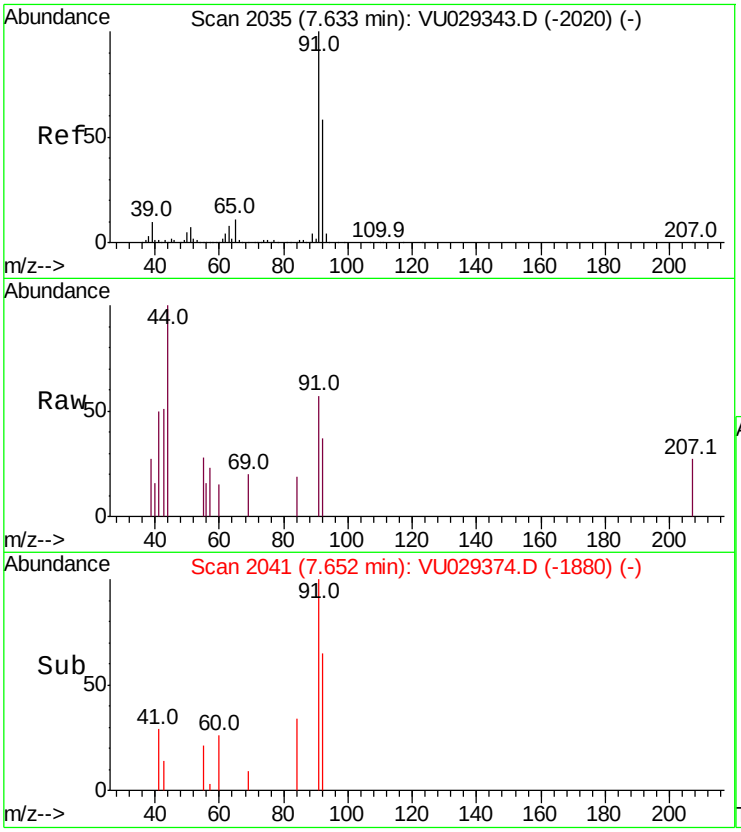


#48
Ethyl methacrylate
Concen: 0.009 ug/l
RT: 7.98 min Scan# 2143
Delta R.T. -0.04 min
Lab File: VU029374.D
Acq: 08 Feb 2019 11:59

Tgt Ion: 69 Resp: 160

Ion	Ratio	Lower	Upper
69	100		
41	113.8	39.9	119.7



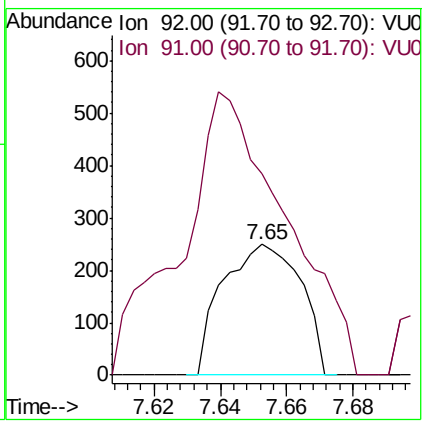


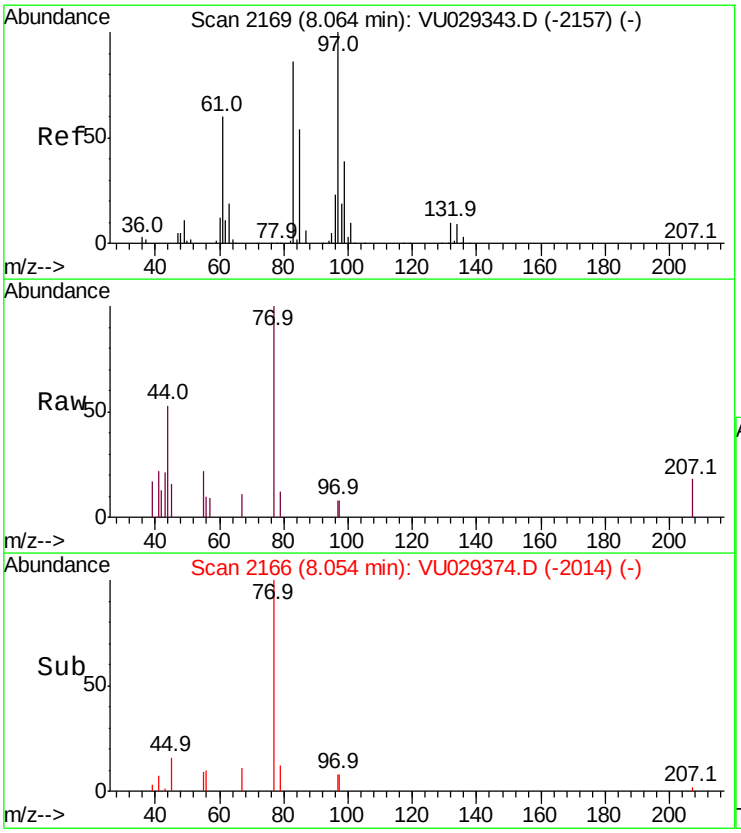
#49
Toluene
Concen: 0.009 ug/l
RT: 7.65 min Scan# 2041
Delta R.T. 0.02 min
Lab File: VU029374.D
Acq: 08 Feb 2019 11:59

Instrument : MSVOA_U
ClientSampleId :

Tgt Ion: 92 Resp: 409

Ion	Ratio	Lower	Upper
92	100		
91	292.4	140.7	211.1#

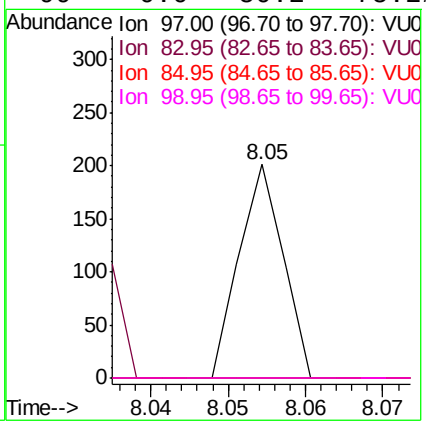


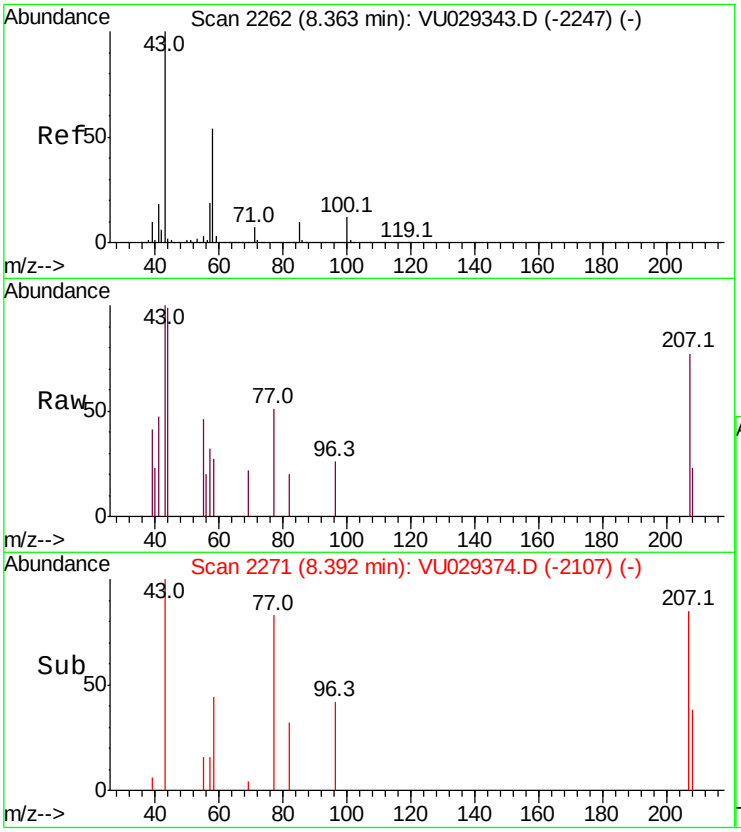


#52
1,1,2-Trichloroethane
Concen: 0.006 ug/l
RT: 8.05 min Scan# 2166
Delta R.T. -0.01 min
Lab File: VU029374.D
Acq: 08 Feb 2019 11:59

Tgt Ion: 97 Resp: 79

Ion	Ratio	Lower	Upper
97	100		
83	0.0	69.9	104.9#
85	0.0	45.8	68.6#
99	0.0	50.2	75.2#



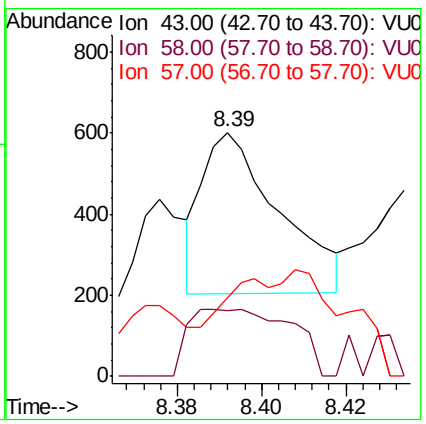


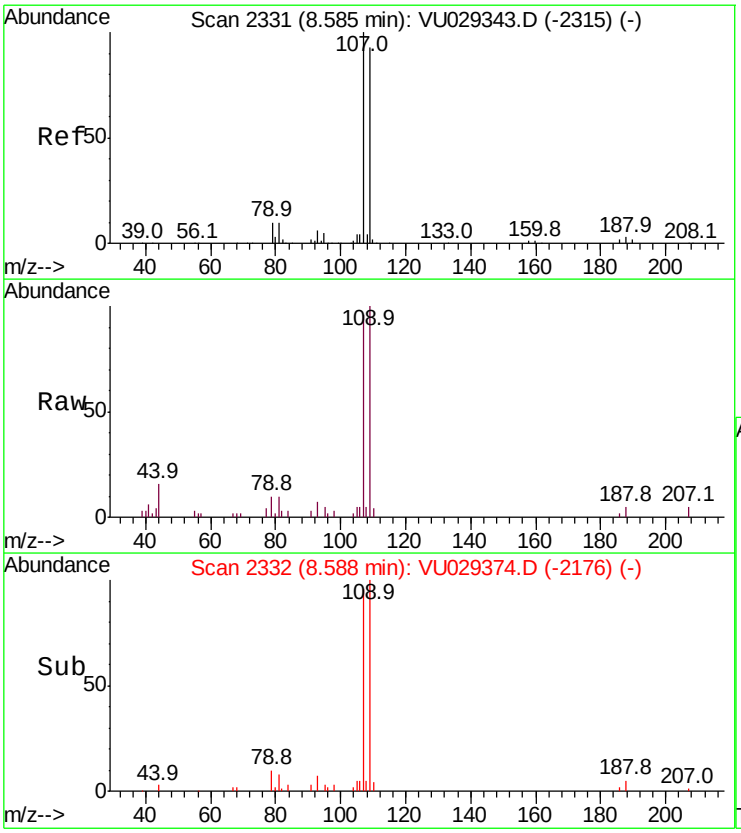
#54
2-Hexanone
Concen: 0.064 ug/l
RT: 8.39 min Scan# 2271
Delta R.T. 0.03 min
Lab File: VU029374.D
Acq: 08 Feb 2019 11:59

Instrument : MSVOA_U
ClientSampleId :

Tgt Ion: 43 Resp: 498

Ion	Ratio	Lower	Upper
43	100		
58	56.2	26.0	66.0
57	17.3	0.0	37.7

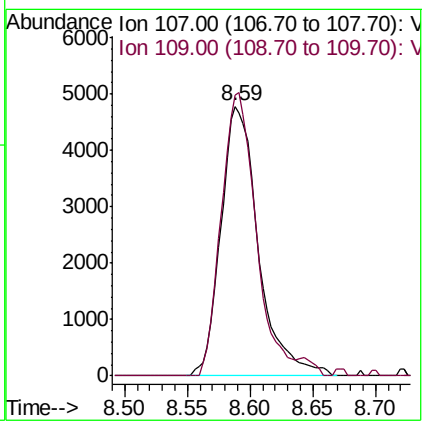


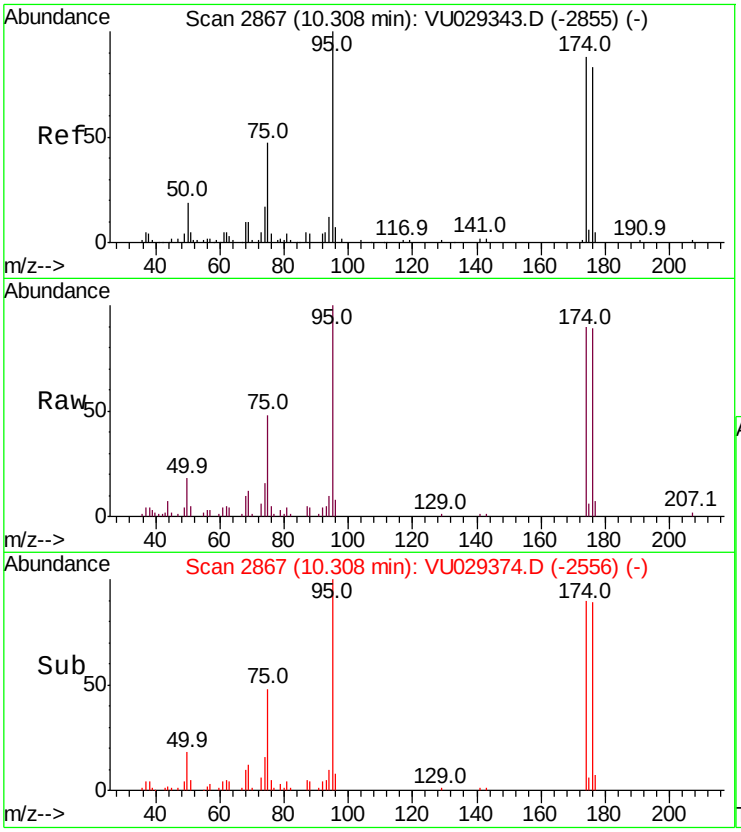


#56
1,2-Dibromoethane
Concen: 0.769 ug/l
RT: 8.59 min Scan# 2332
Delta R.T. 0.00 min
Lab File: VU029374.D
Acq: 08 Feb 2019 11:59

Tgt Ion:107 Resp: 9931

Ion	Ratio	Lower	Upper
107	100		
109	97.2	0.0	189.6



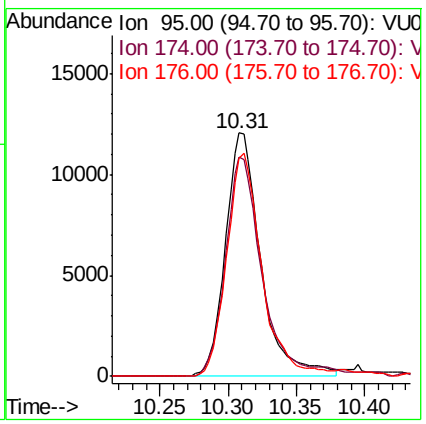


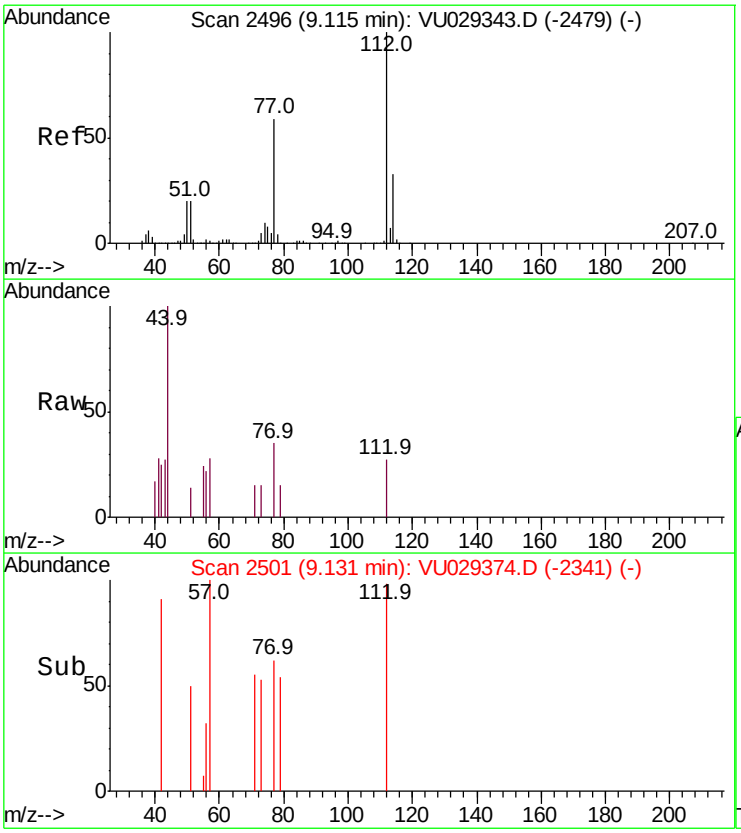
#57
4-Bromofluorobenzene
Concen: 0.769 ug/l
RT: 10.31 min Scan# 2867
Delta R.T. -0.00 min
Lab File: VU029374.D
Acq: 08 Feb 2019 11:59

Instrument : MSVOA_U
ClientSampleId :

Tgt Ion: 95 Resp: 21717

Ion	Ratio	Lower	Upper
95	100		
174	93.9	64.2	96.2
176	90.9	62.3	93.5

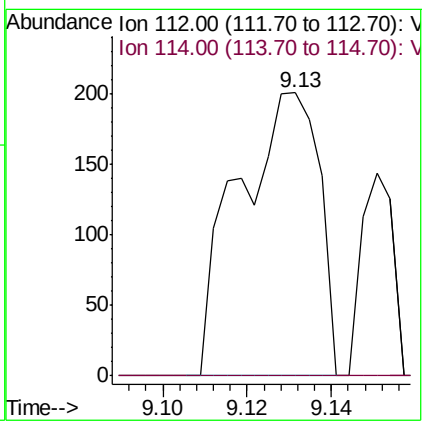


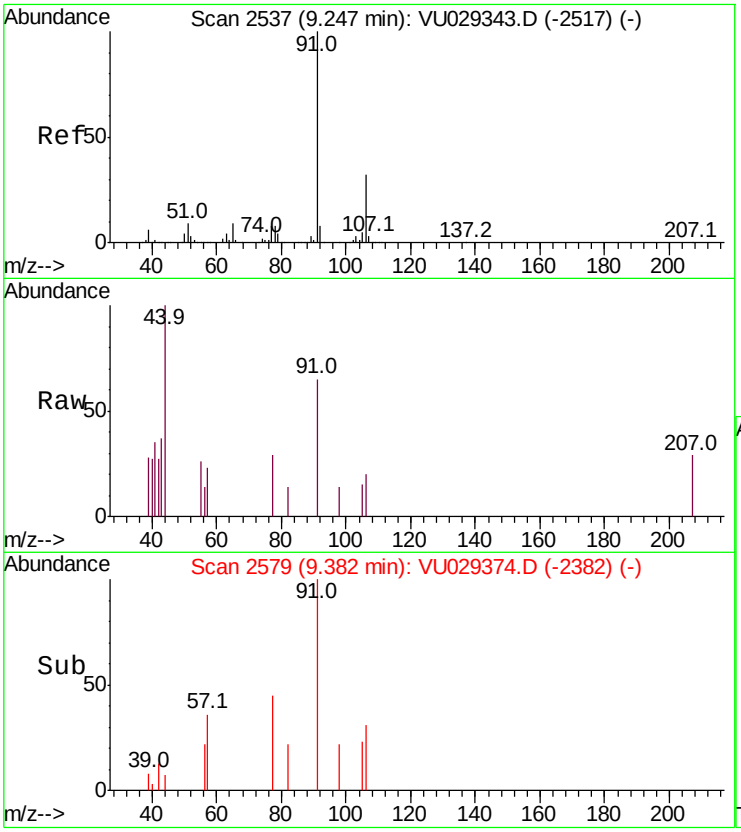


#59
Chlorobenzene
Concen: 0.005 ug/l
RT: 9.13 min Scan# 2501
Delta R.T. 0.02 min
Lab File: VU029374.D
Acq: 08 Feb 2019 11:59

Tgt Ion:112 Resp: 267

Ion	Ratio	Lower	Upper
112	100		
114	0.0	26.2	39.4#



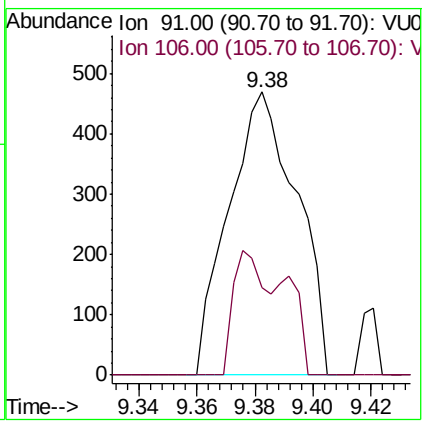


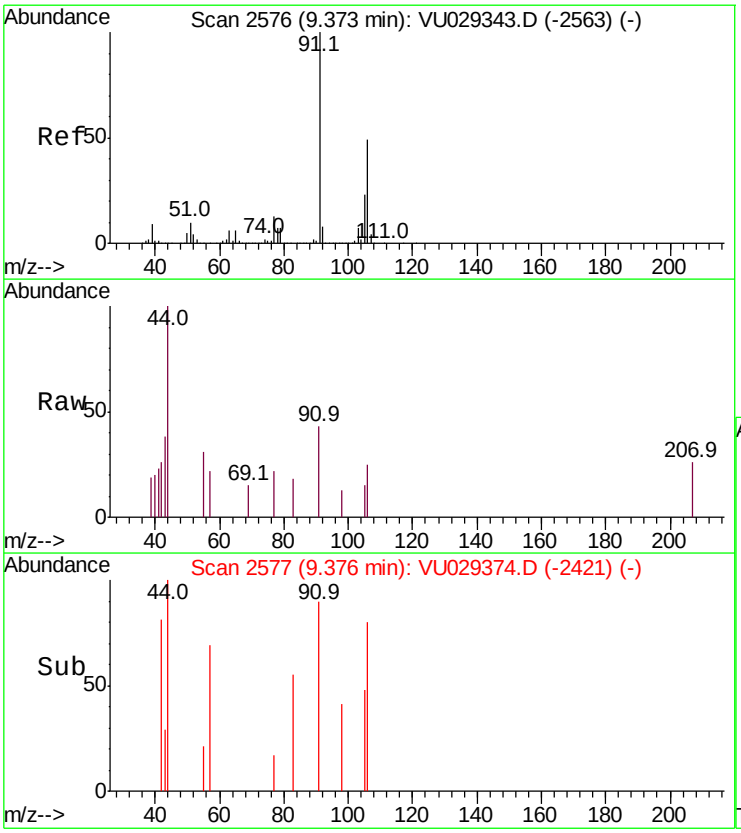
#63
Ethyl Benzene
Concen: 0.009 ug/l
RT: 9.38 min Scan# 2579
Delta R.T. 0.13 min
Lab File: VU029374.D
Acq: 08 Feb 2019 11:59

Instrument : MSVOA_U
ClientSampleId :

Tgt Ion: 91 Resp: 764

Ion	Ratio	Lower	Upper
91	100		
106	31.1	23.8	35.6

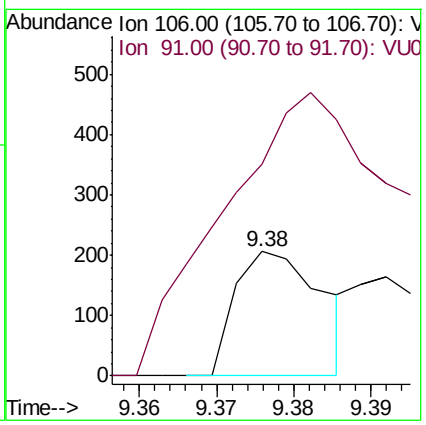


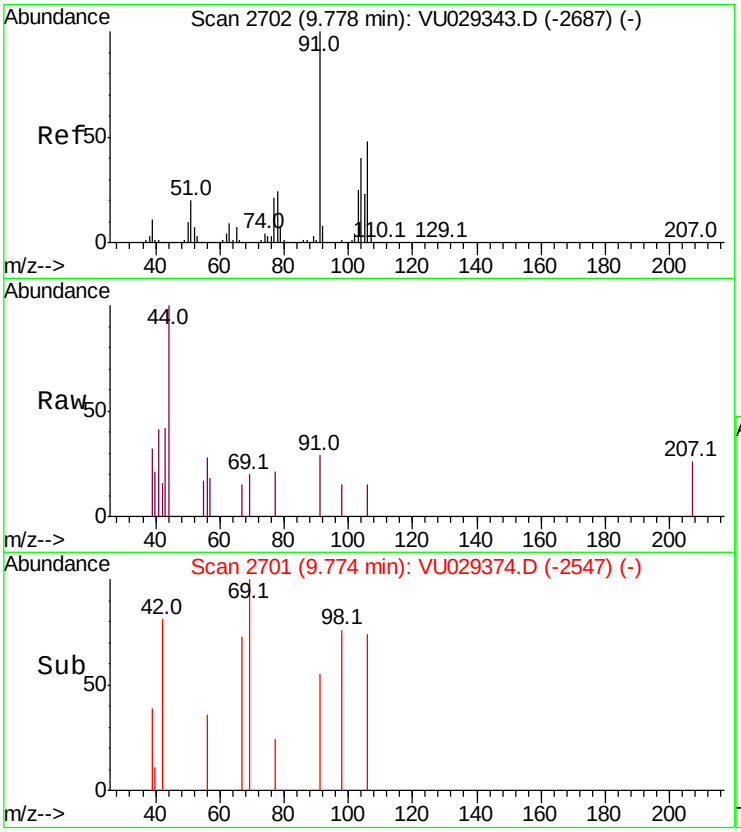


#64
m/p-Xylenes
Concen: 0.005 ug/l
RT: 9.38 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VU029374.D
Acq: 08 Feb 2019 11:59

Tgt Ion:106 Resp: 161

Ion	Ratio	Lower	Upper
106	100		
91	474.5	174.6	261.8#



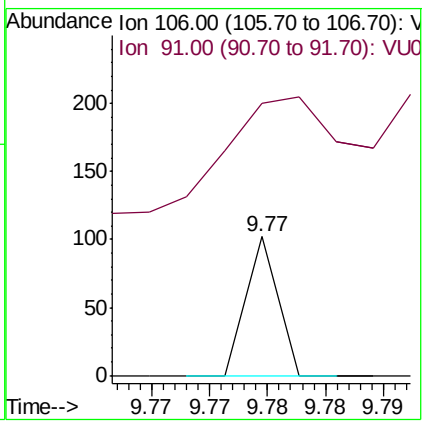


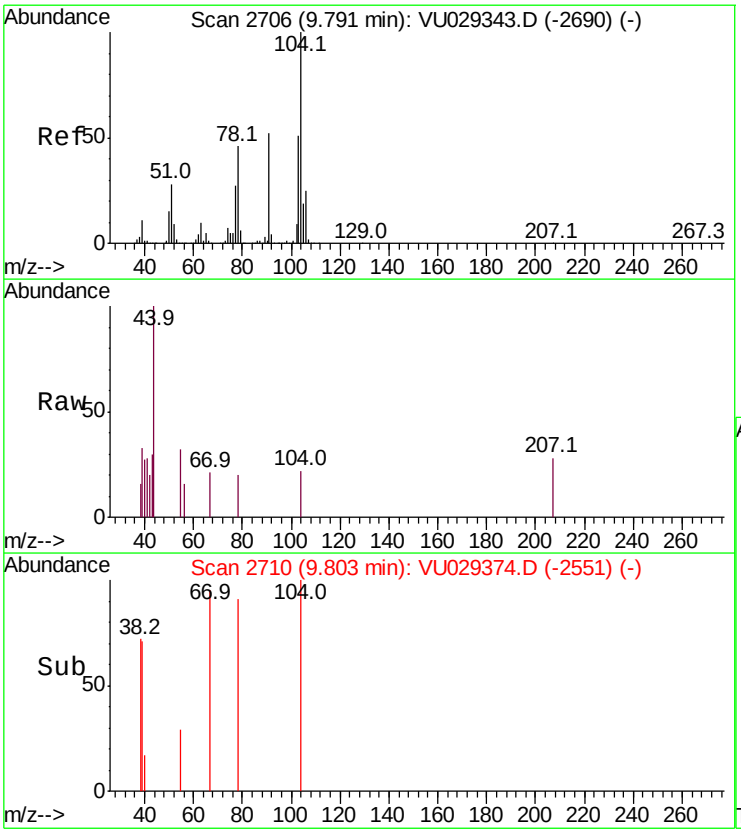
#65
o-Xylene
Concen: 0.001 ug/l
RT: 9.77 min Scan# 2701
Delta R.T. -0.00 min
Lab File: VU029374.D
Acq: 08 Feb 2019 11:59

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:106 Resp: 20

Ion	Ratio	Lower	Upper
106	100		
91	1335.0	114.5	343.4#

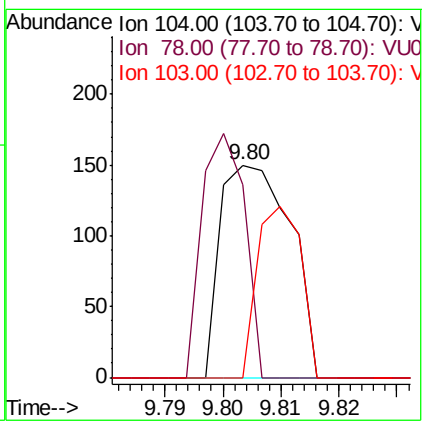


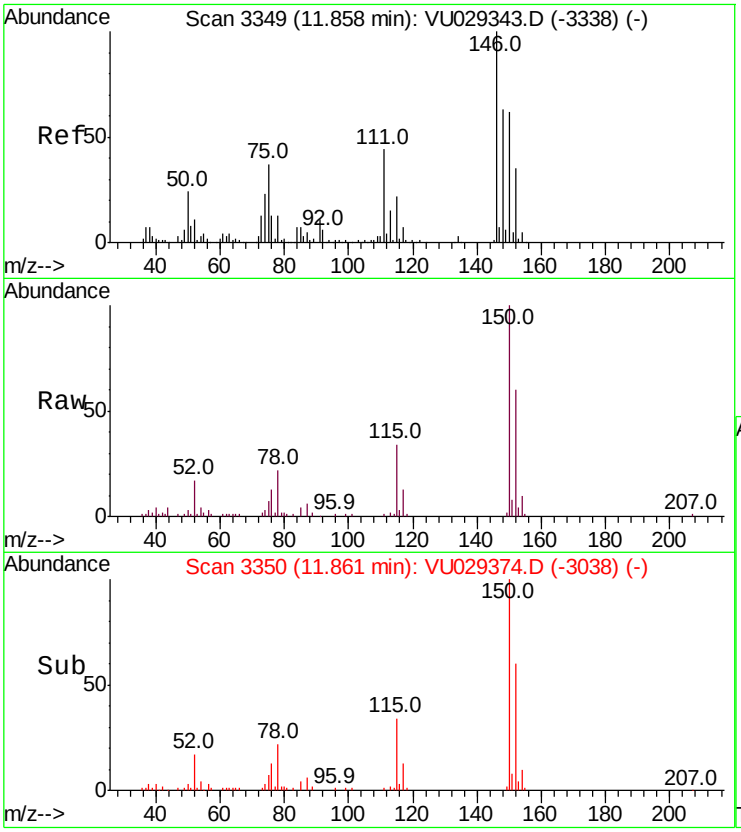


#66
Styrene
Concen: 0.002 ug/l
RT: 9.80 min Scan# 2710
Delta R.T. 0.01 min
Lab File: VU029374.D
Acq: 08 Feb 2019 11:59

Tgt Ion:104 Resp: 126

Ion	Ratio	Lower	Upper
104	100		
78	69.8	46.5	69.7#
103	50.8	44.7	67.1



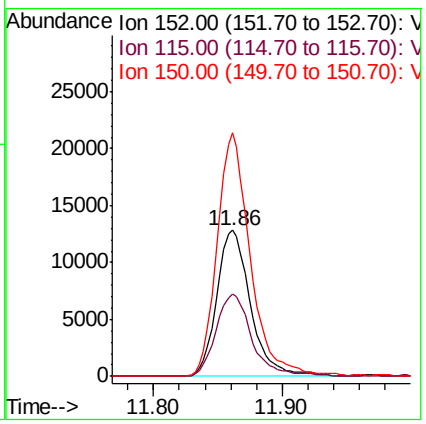


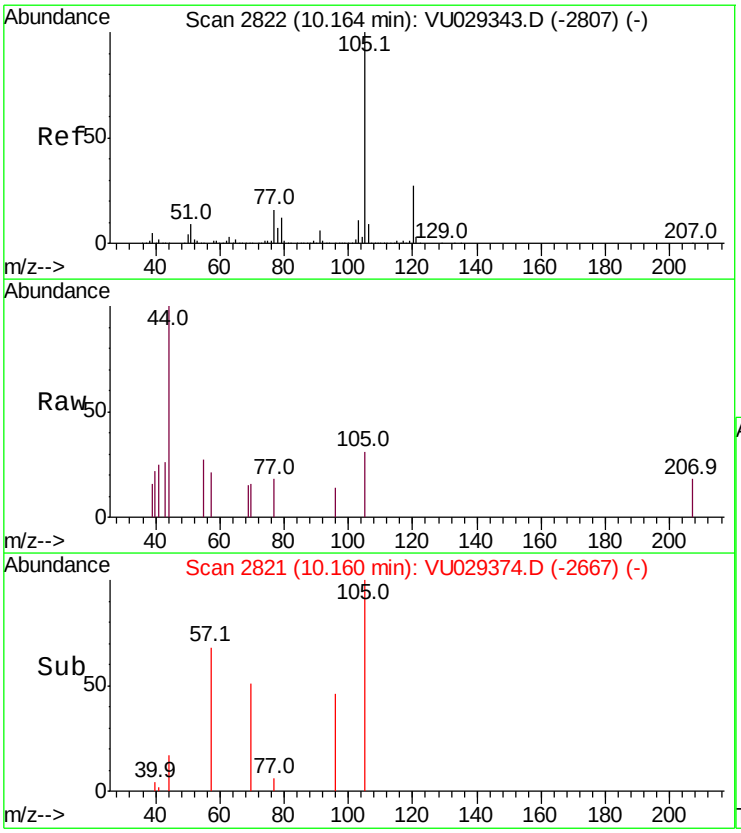
#68
1,2-Dichlorobenzene-d4
Concen: N.D. ug/l
RT: 11.86 min Scan# 3350
Delta R.T. 0.00 min
Lab File: VU029374.D
Acq: 08 Feb 2019 11:59

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:152 Resp: 23292

Ion	Ratio	Lower	Upper
152	100		
115	59.6	0.0	133.4
150	162.6	0.0	670.8

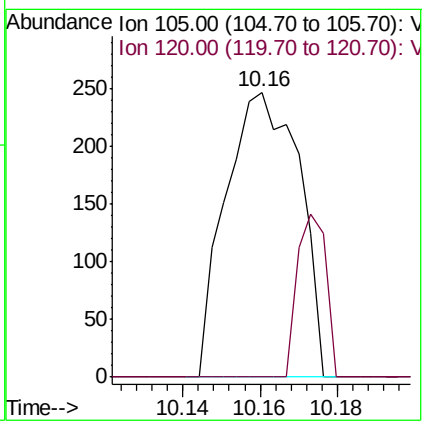


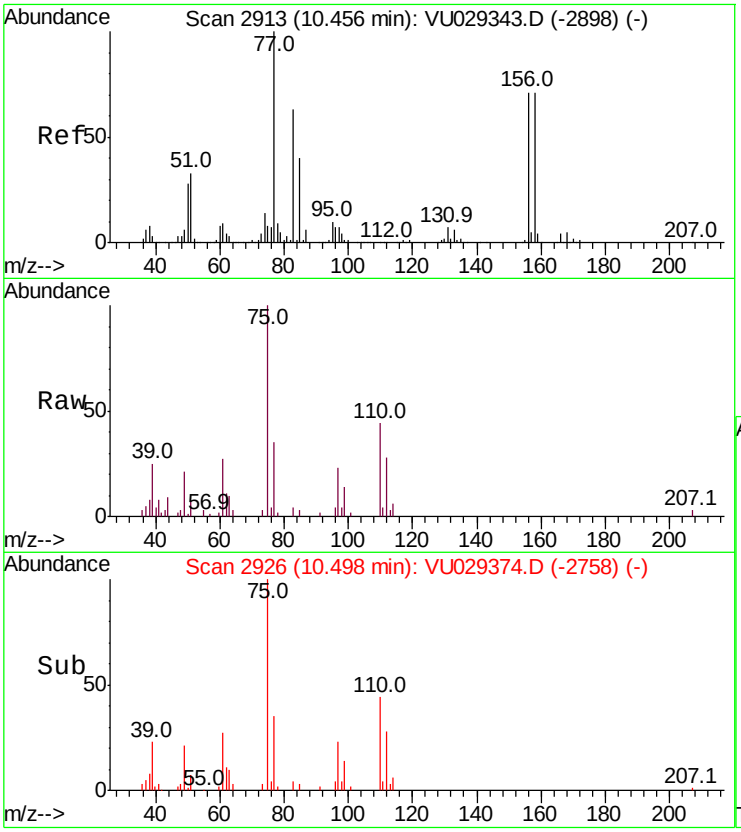


#69
Isopropylbenzene
Concen: 0.004 ug/l
RT: 10.16 min Scan# 2821
Delta R.T. -0.00 min
Lab File: VU029374.D
Acq: 08 Feb 2019 11:59

Tgt Ion:105 Resp: 326

Ion	Ratio	Lower	Upper
105	100		
120	22.4	12.6	37.6



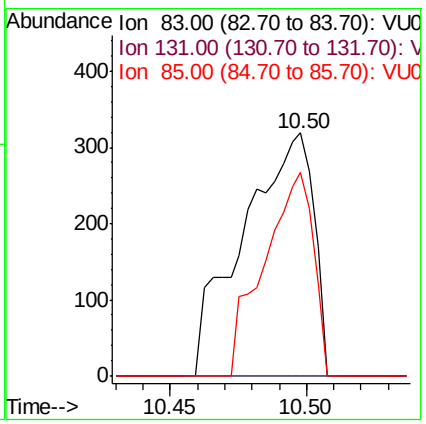


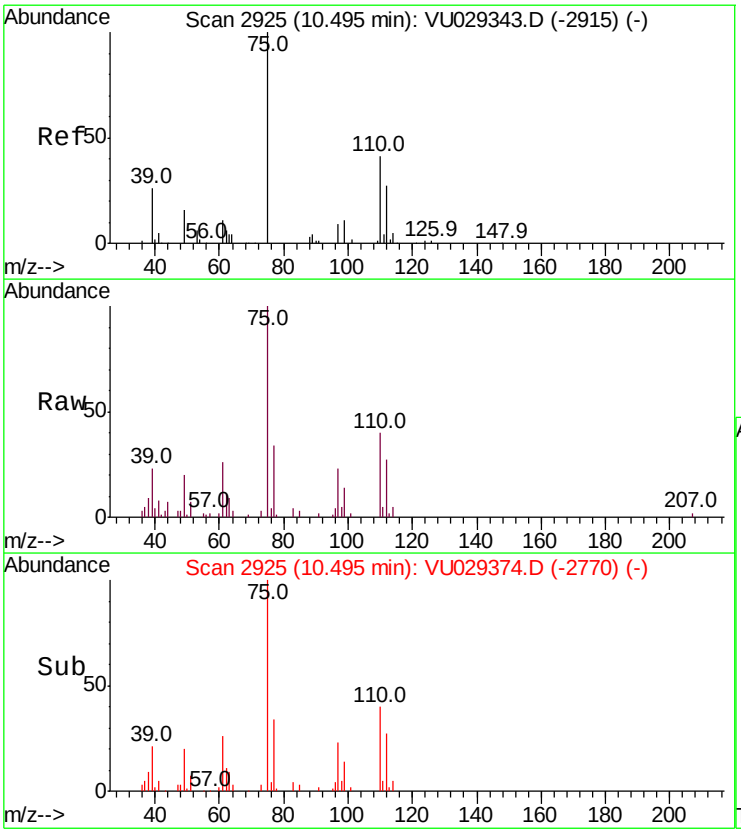
#70
1,1,2,2-Tetrachloroethane
Concen: 0.036 ug/l
RT: 10.50 min Scan# 2926
Delta R.T. 0.04 min
Lab File: VU029374.D
Acq: 08 Feb 2019 11:59

Instrument : MSVOA_U
ClientSampleId :

Tgt Ion: 83 Resp: 573

Ion	Ratio	Lower	Upper
83	100		
131	0.0	8.1	12.1#
85	58.8	50.3	75.5

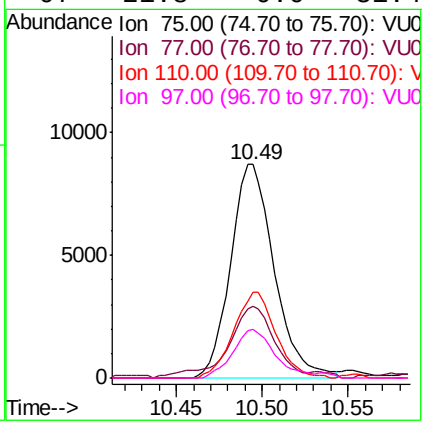


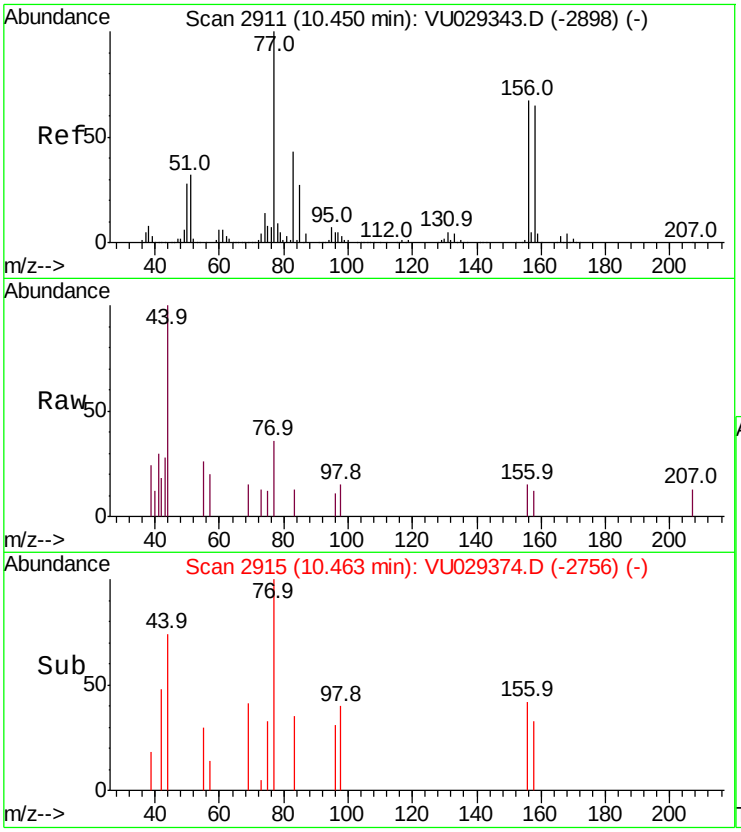


#71
1,2,3-Trichloropropane
Concen: 1.389 ug/l
RT: 10.49 min Scan# 2925
Delta R.T. -0.00 min
Lab File: VU029374.D
Acq: 08 Feb 2019 11:59

Tgt Ion: 75 Resp: 15381

Ion	Ratio	Lower	Upper
75	100		
77	35.5	0.0	0.0#
110	39.0	0.0	63.6
97	21.8	0.0	31.4



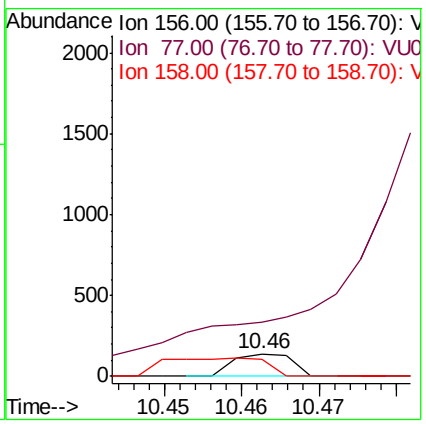


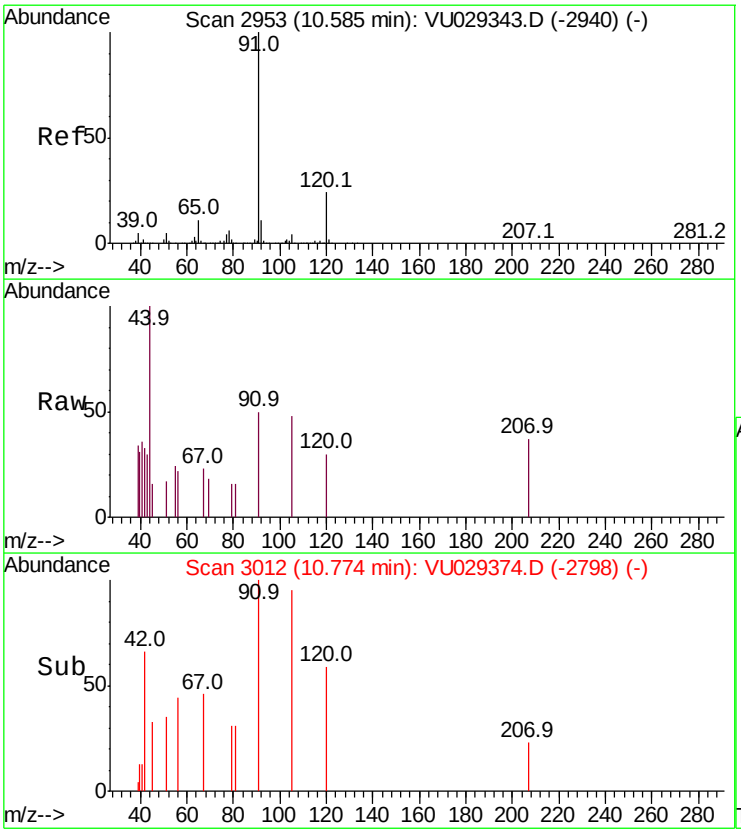
#72
Bromobenzene
Concen: 0.003 ug/l
RT: 10.46 min Scan# 2915
Delta R.T. 0.01 min
Lab File: VU029374.D
Acq: 08 Feb 2019 11:59

Instrument : MSVOA_U
ClientSampleId :

Tgt Ion:156 Resp: 74

Ion	Ratio	Lower	Upper
156	100		
77	7385.1	0.0	343.8#
158	139.2	0.0	195.0

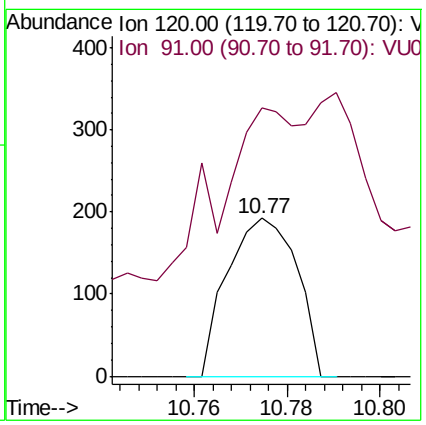


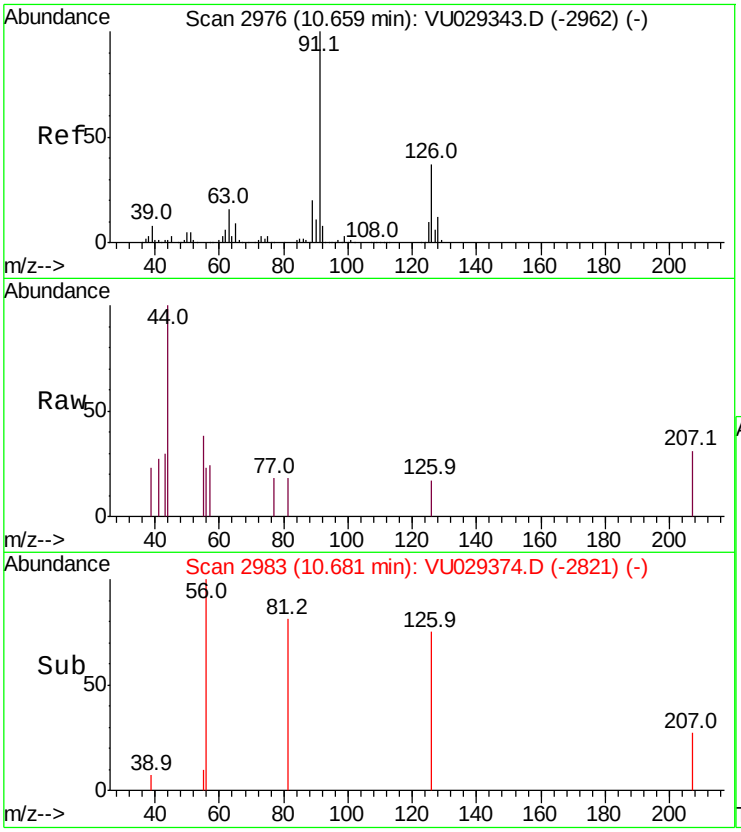


#73
n-propylbenzene
Concen: 0.008 ug/l
RT: 10.77 min Scan# 3012
Delta R.T. 0.19 min
Lab File: VU029374.D
Acq: 08 Feb 2019 11:59

Tgt Ion:120 Resp: 201

Ion	Ratio	Lower	Upper
120	100		
91	258.7	370.0	555.0#



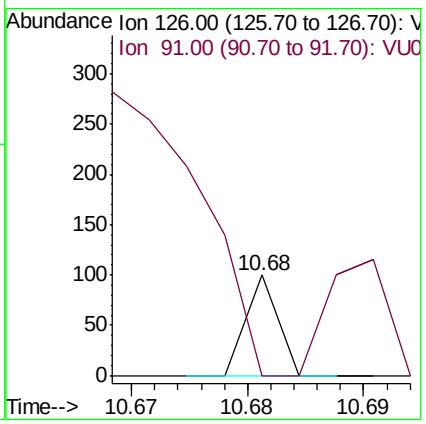


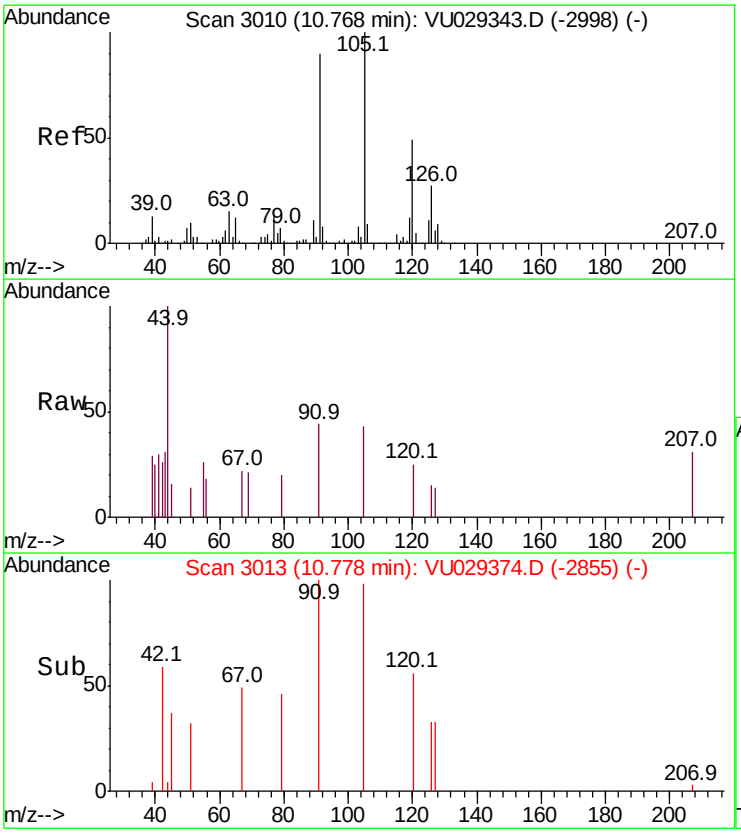
#74
2-Chlorotoluene
Concen: 0.001 ug/l
RT: 10.68 min Scan# 2983
Delta R.T. 0.02 min
Lab File: VU029374.D
Acq: 08 Feb 2019 11:59

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:126 Resp: 19

Ion	Ratio	Lower	Upper
126	100		
91	215.8	0.0	643.0

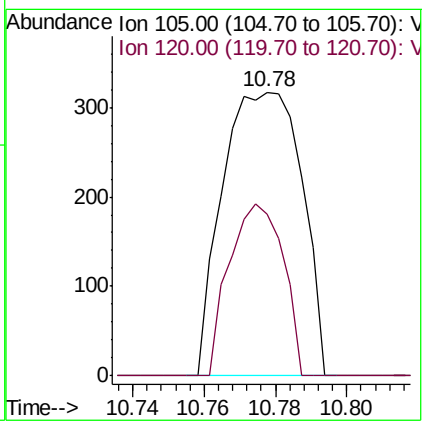


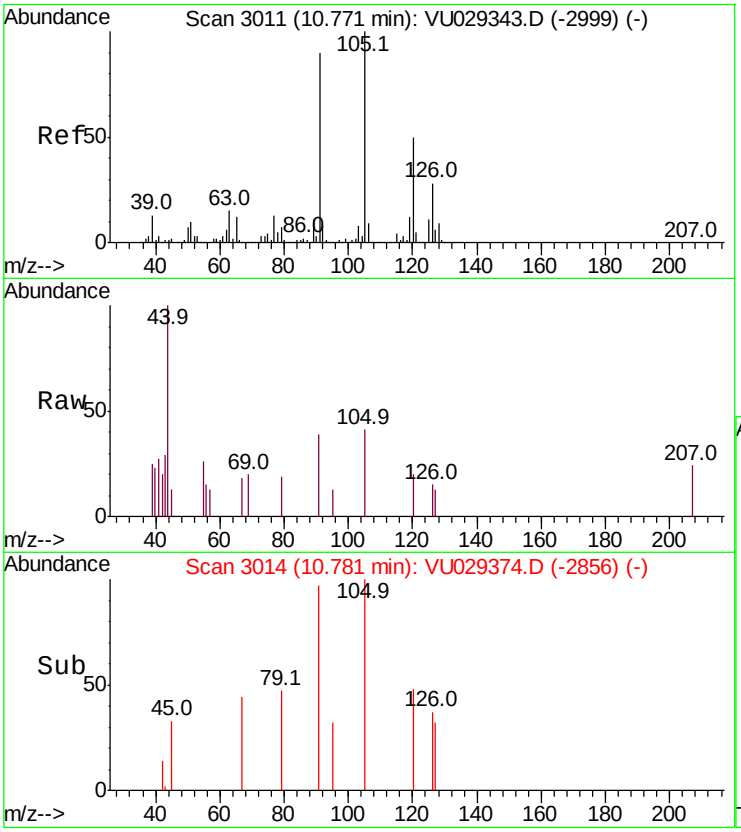


#75
1,3,5-Trimethylbenzene
Concen: 0.006 ug/l
RT: 10.78 min Scan# 3013
Delta R.T. 0.01 min
Lab File: VU029374.D
Acq: 08 Feb 2019 11:59

Tgt Ion:105 Resp: 485

Ion	Ratio	Lower	Upper
105	100		
120	41.4	37.3	55.9



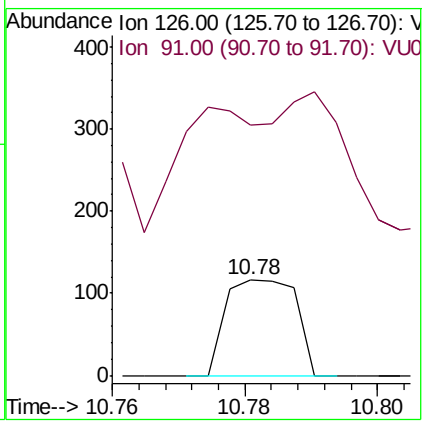


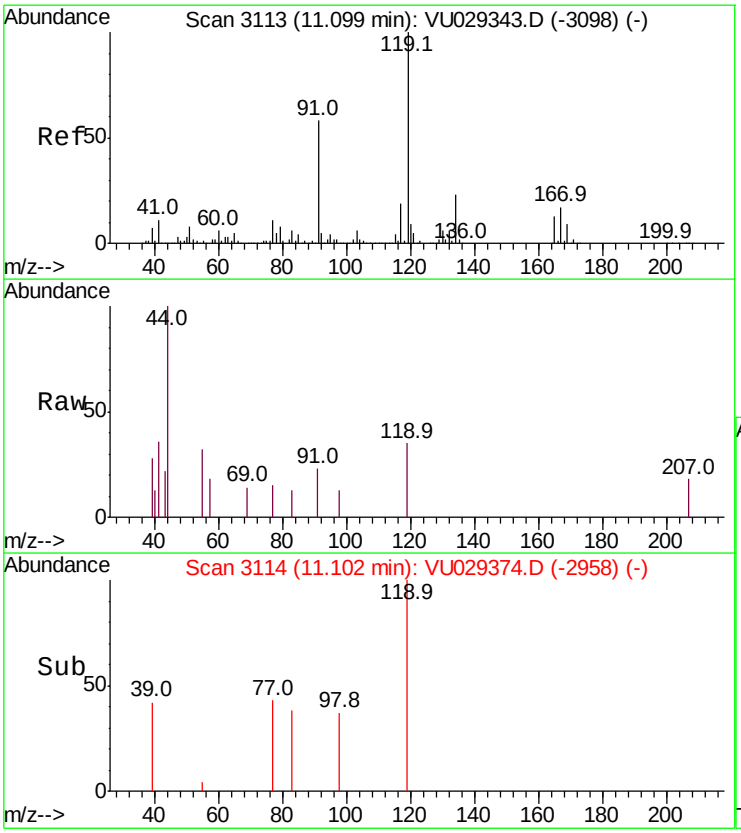
#76
4-Chlorotoluene
Concen: 0.004 ug/l
RT: 10.78 min Scan# 3014
Delta R.T. 0.01 min
Lab File: VU029374.D
Acq: 08 Feb 2019 11:59

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:126 Resp: 86

Ion	Ratio	Lower	Upper
126	100		
91	604.7	0.0	727.4

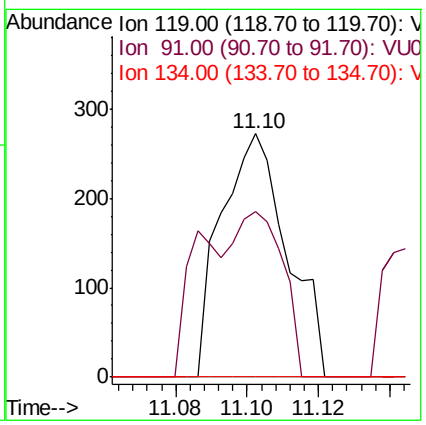


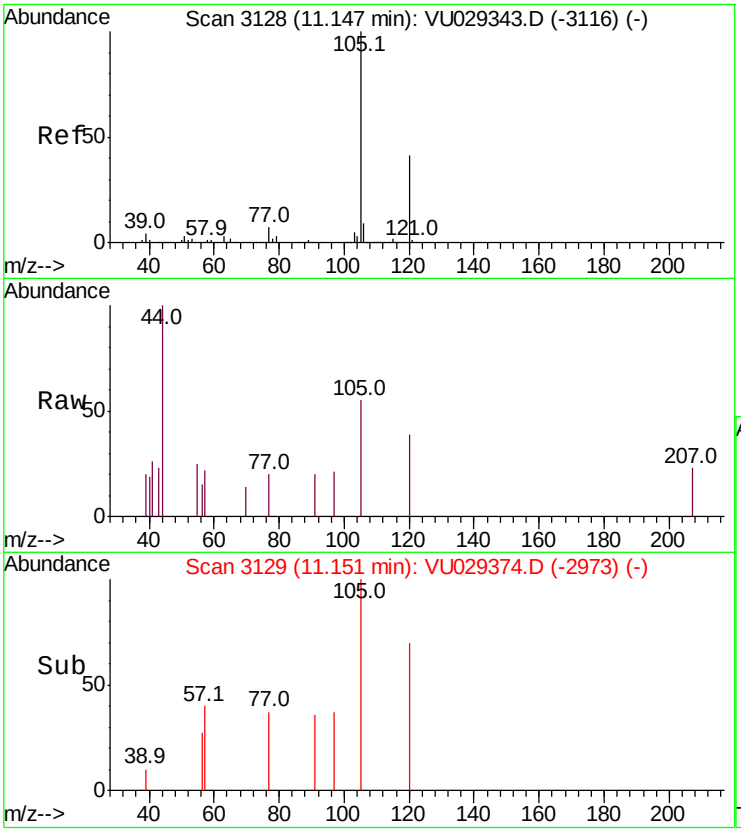


#77
tert-Butylbenzene
Concen: 0.005 ug/l
RT: 11.10 min Scan# 3114
Delta R.T. 0.00 min
Lab File: VU029374.D
Acq: 08 Feb 2019 11:59

Tgt Ion:119 Resp: 348

Ion	Ratio	Lower	Upper
119	100		
91	51.7	32.2	96.6
134	0.0	17.6	26.4#



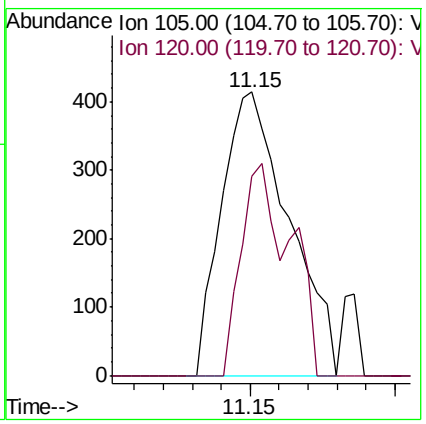


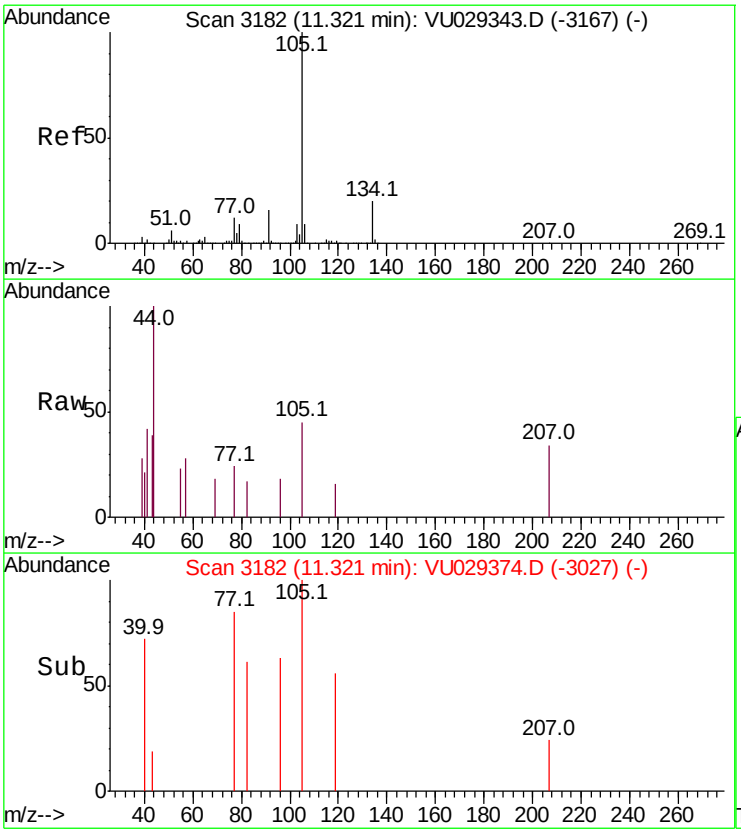
#78
1,2,4-Trimethylbenzene
Concen: 0.009 ug/l
RT: 11.15 min Scan# 3129
Delta R.T. 0.00 min
Lab File: VU029374.D
Acq: 08 Feb 2019 11:59

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:105 Resp: 669

Ion	Ratio	Lower	Upper
105	100		
120	37.7	21.4	64.3

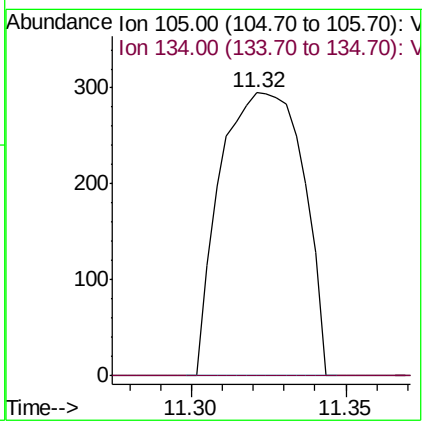


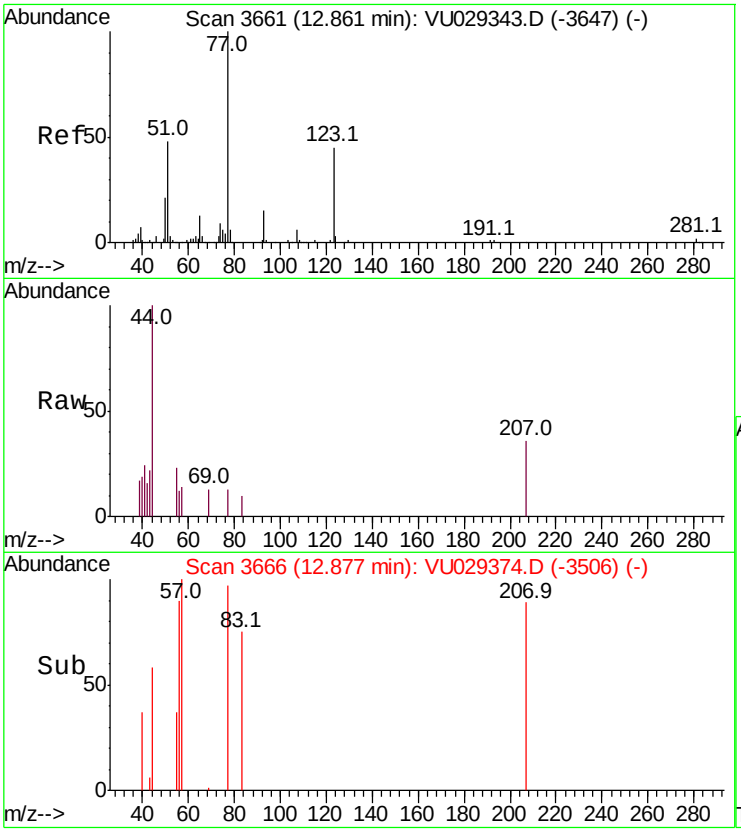


#79
sec-Butylbenzene
Concen: 0.006 ug/l
RT: 11.32 min Scan# 3182
Delta R.T. -0.00 min
Lab File: VU029374.D
Acq: 08 Feb 2019 11:59

Tgt Ion:105 Resp: 550

Ion	Ratio	Lower	Upper
105	100		
134	16.2	15.0	22.6



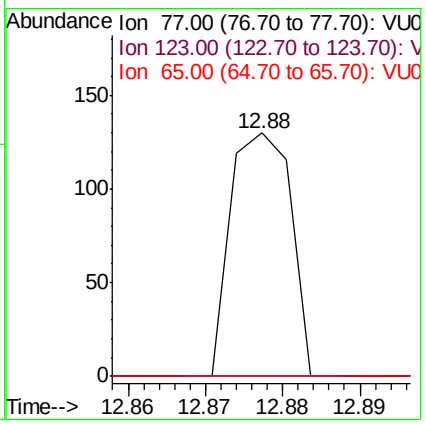


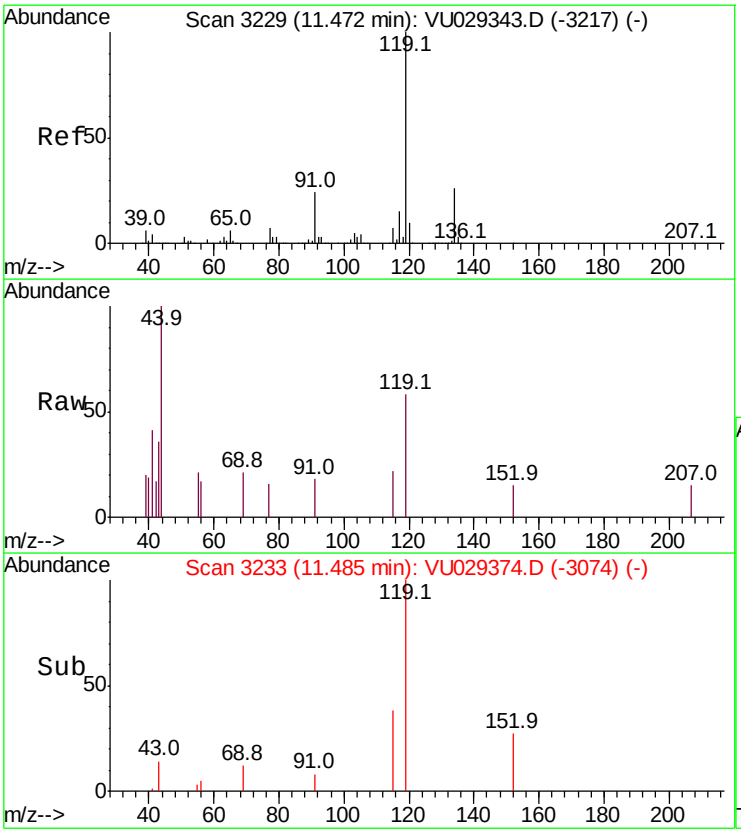
#80
Nitrobenzene
Concen: 0.097 ug/l
RT: 12.88 min Scan# 3666
Delta R.T. 0.02 min
Lab File: VU029374.D
Acq: 08 Feb 2019 11:59

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 77 Resp: 70

Ion	Ratio	Lower	Upper
77	100		
123	0.0	17.5	61.9#
65	0.0	10.8	13.8#

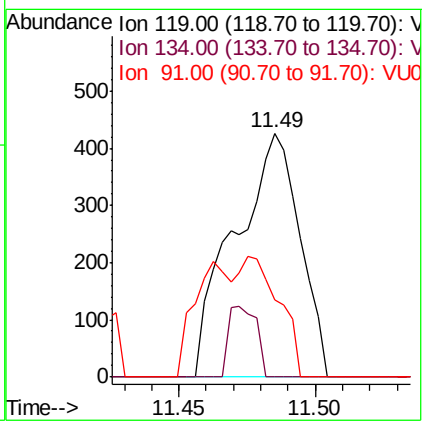


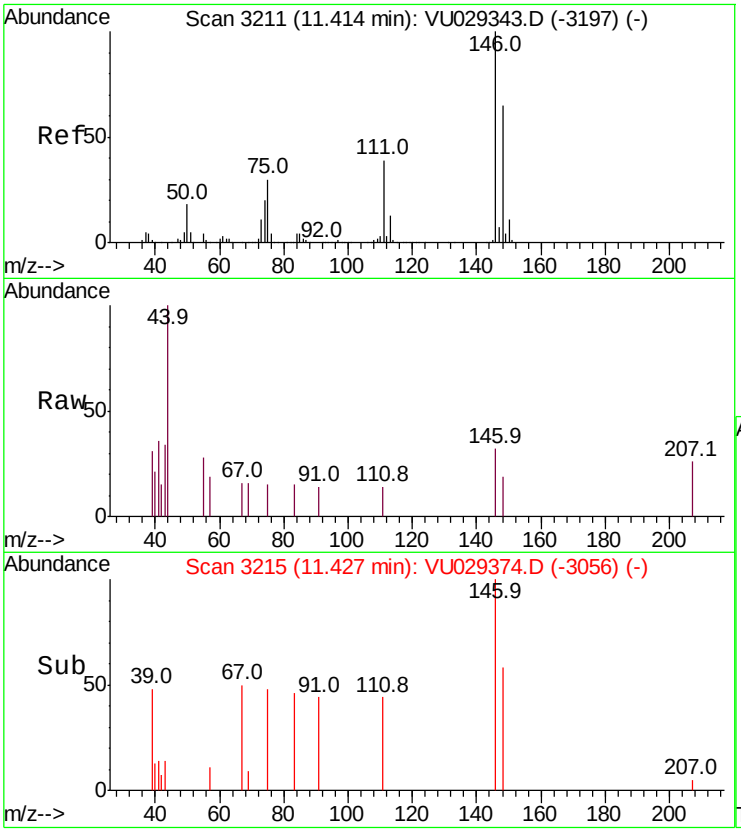


#81
p-Isopropyltoluene
Concen: 0.009 ug/l
RT: 11.49 min Scan# 3233
Delta R.T. 0.01 min
Lab File: VU029374.D
Acq: 08 Feb 2019 11:59

Tgt Ion:119 Resp: 706

Ion	Ratio	Lower	Upper
119	100		
134	12.6	19.8	29.6#
91	26.5	21.5	32.3



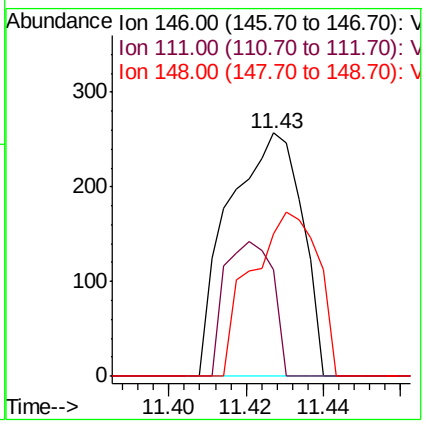


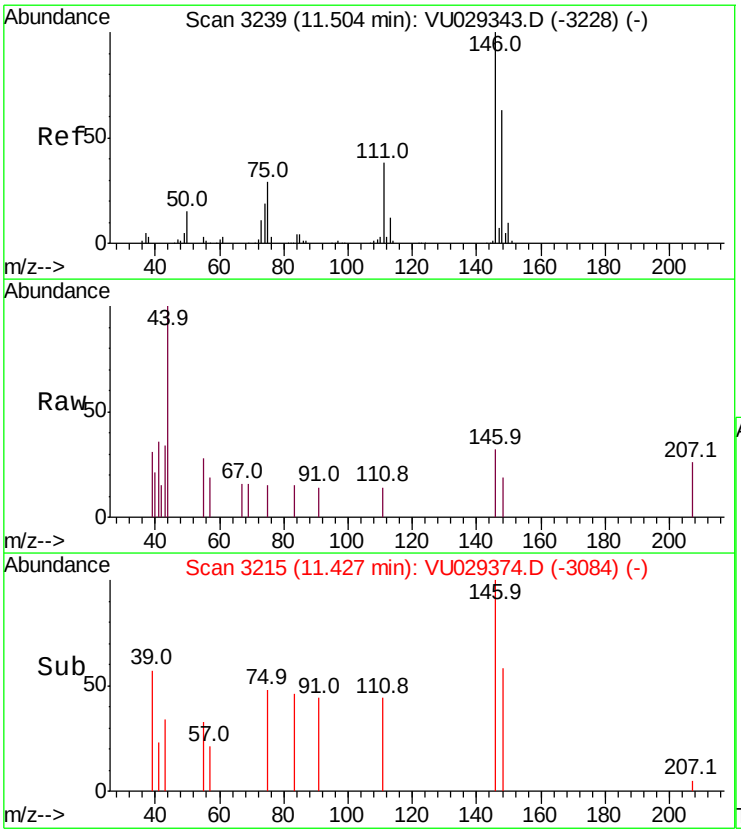
#82
1,3-Dichlorobenzene
Concen: 0.008 ug/l
RT: 11.43 min Scan# 3215
Delta R.T. 0.01 min
Lab File: VU029374.D
Acq: 08 Feb 2019 11:59

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:146 Resp: 338

Ion	Ratio	Lower	Upper
146	100		
111	36.1	34.1	51.1
148	61.2	52.3	78.5

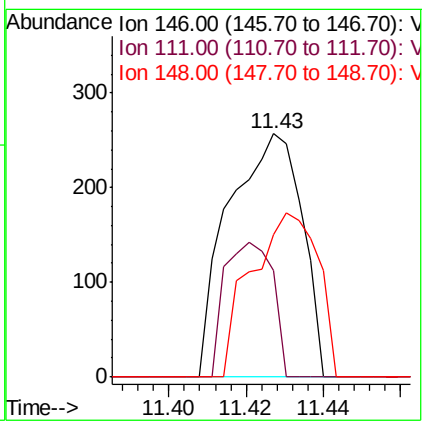


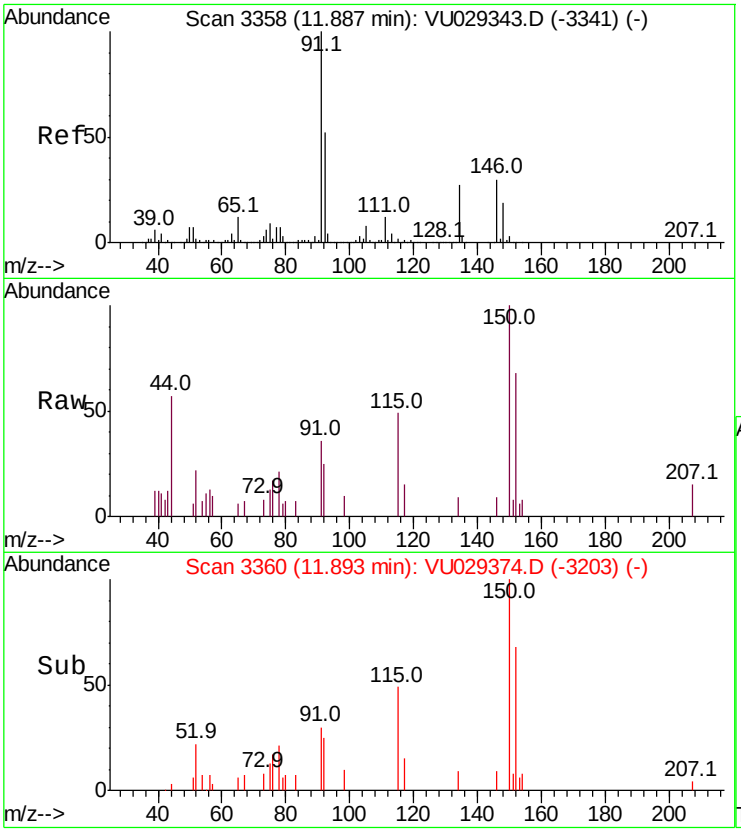


#83
1,4-Dichlorobenzene
Concen: 0.008 ug/l
RT: 11.43 min Scan# 3215
Delta R.T. -0.08 min
Lab File: VU029374.D
Acq: 08 Feb 2019 11:59

Tgt Ion:146 Resp: 338

Ion	Ratio	Lower	Upper
146	100		
111	36.1	32.9	49.3
148	61.2	51.8	77.6



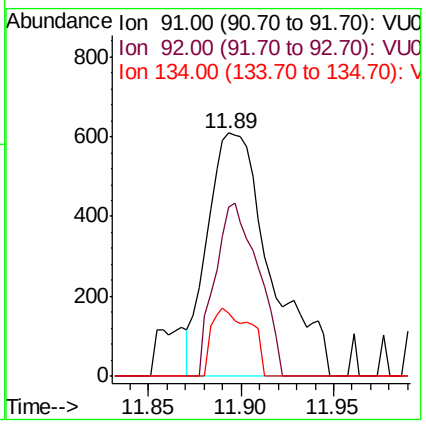


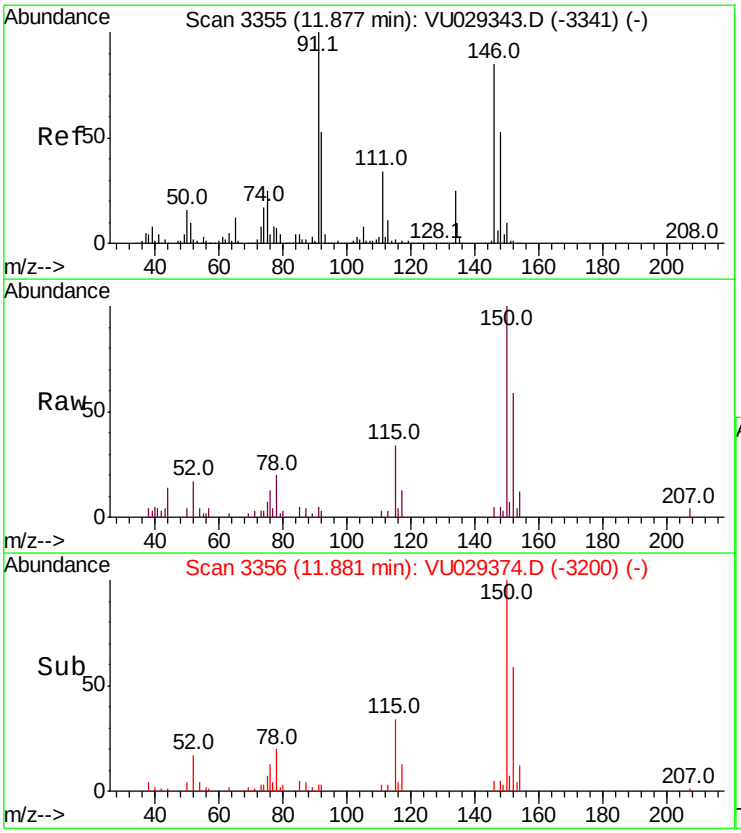
#84
n-Butylbenzene
Concen: 0.019 ug/l
RT: 11.89 min Scan# 3360
Delta R.T. 0.01 min
Lab File: VU029374.D
Acq: 08 Feb 2019 11:59

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 91 Resp: 1435

Ion	Ratio	Lower	Upper
91	100		
92	48.9	41.0	61.6
134	17.1	19.1	28.7#

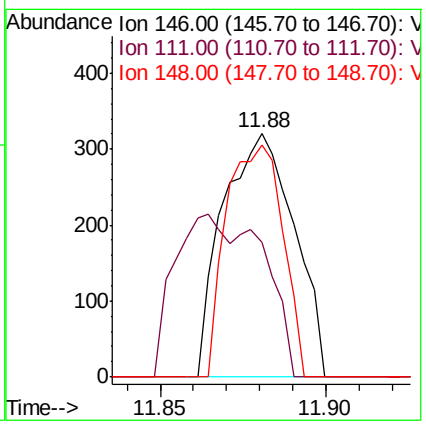


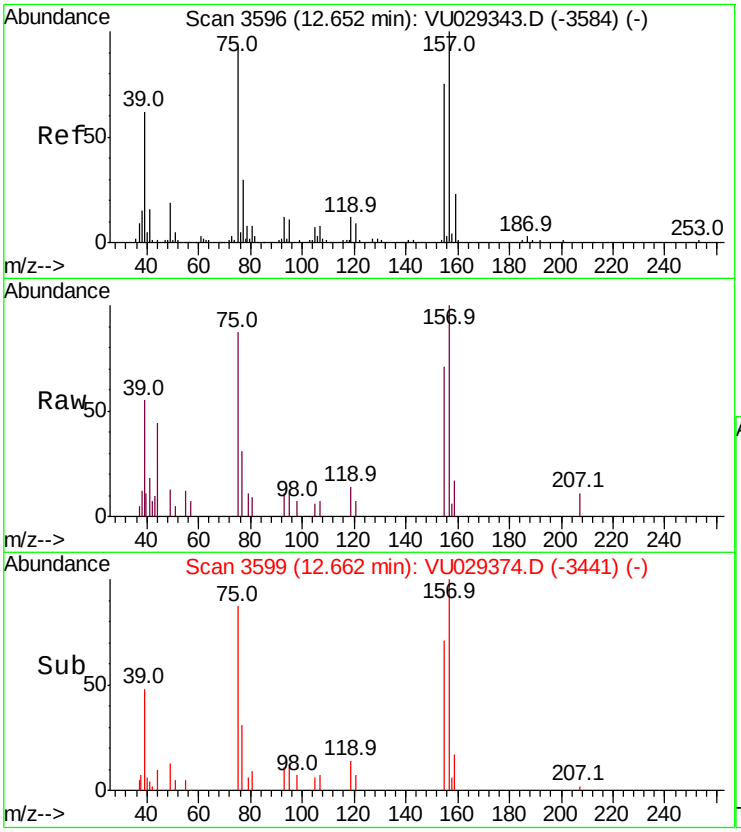


#85
1,2-Dichlorobenzene
Concen: 0.012 ug/l
RT: 11.88 min Scan# 3356
Delta R.T. 0.00 min
Lab File: VU029374.D
Acq: 08 Feb 2019 11:59

Tgt Ion:146 Resp: 479

Ion	Ratio	Lower	Upper
146	100		
111	50.7	21.9	65.8
148	74.9	31.8	95.3



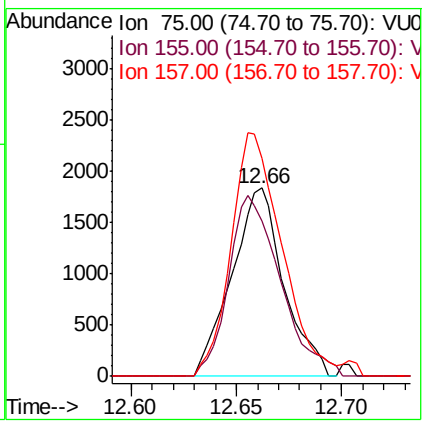


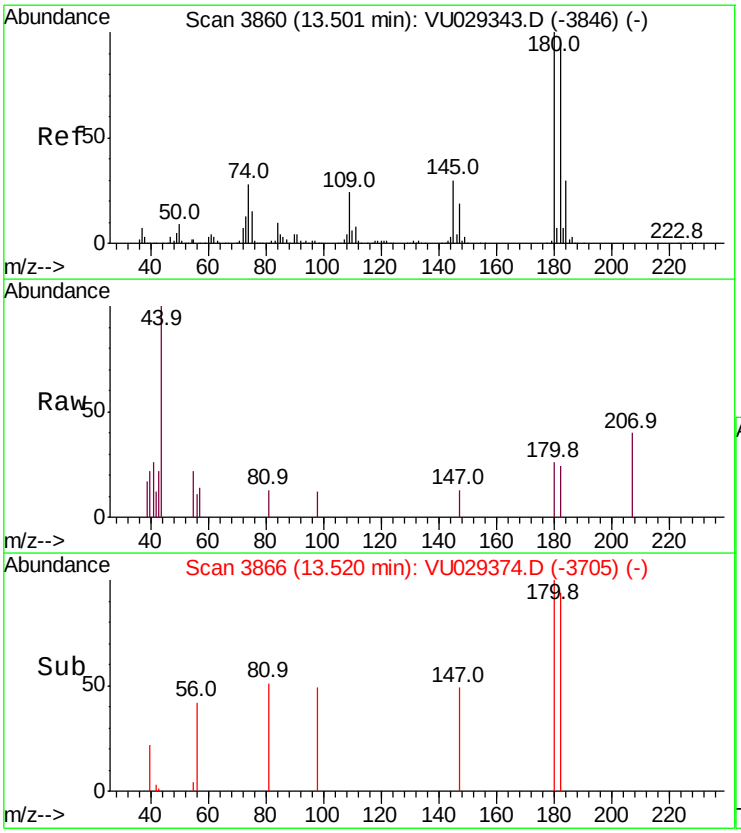
#86
1,2-Dibromo-3-Chloropropane
Concen: 1.047 ug/l
RT: 12.66 min Scan# 3599
Delta R.T. 0.01 min
Lab File: VU029374.D
Acq: 08 Feb 2019 11:59

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 75 Resp: 3153

Ion	Ratio	Lower	Upper
75	100		
155	95.6	53.8	80.8#
157	125.9	69.2	103.8#

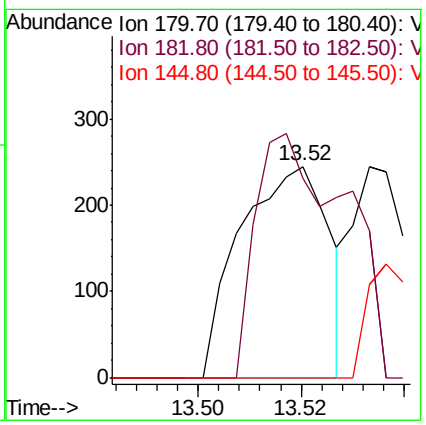


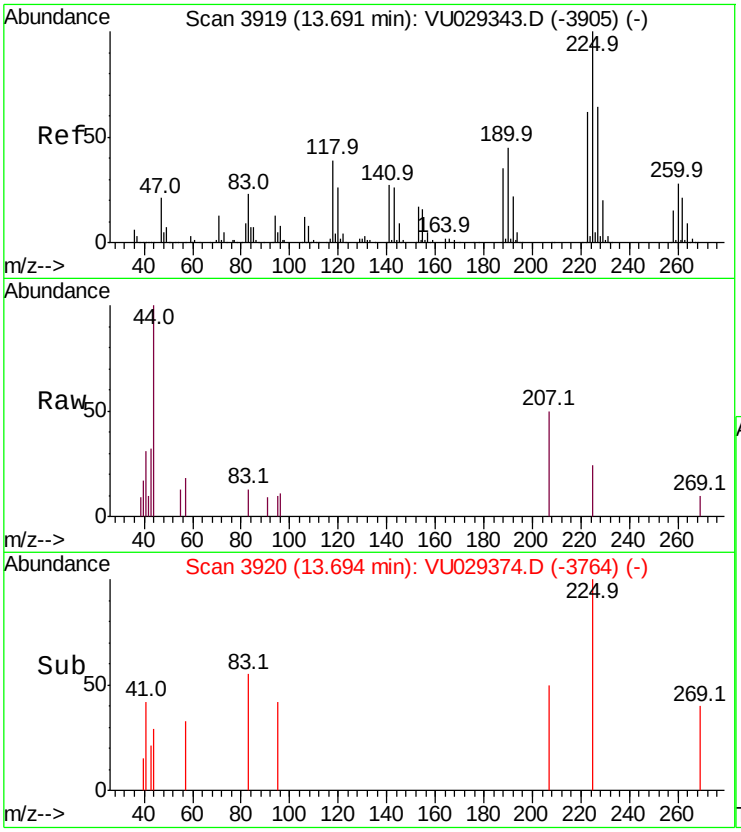


#87
1,2,4-Trichlorobenzene
Concen: 0.011 ug/l
RT: 13.52 min Scan# 3866
Delta R.T. 0.02 min
Lab File: VU029374.D
Acq: 08 Feb 2019 11:59

Tgt Ion:180 Resp: 291

Ion	Ratio	Lower	Upper
180	100		
182	116.8	76.6	114.8#
145	0.0	24.6	36.8#



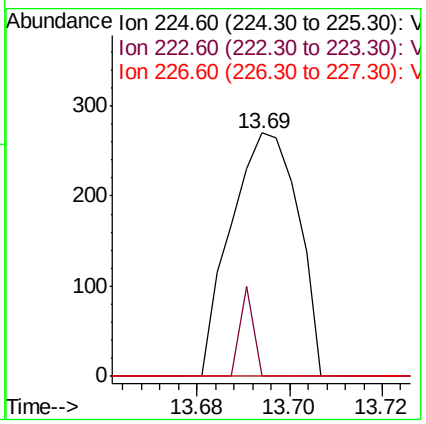


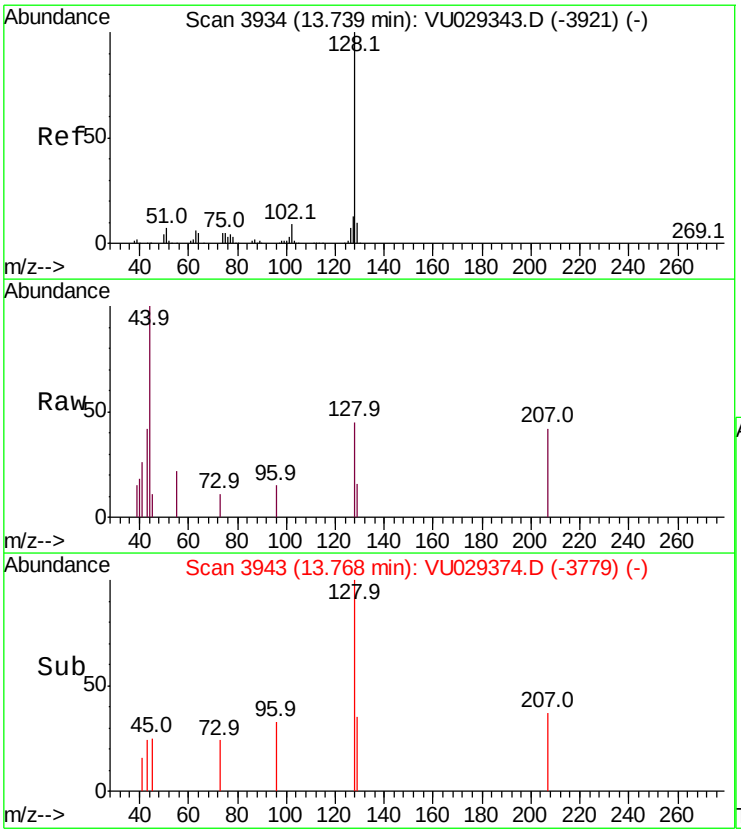
#88
Hexachlorobutadiene
Concen: 0.017 ug/l
RT: 13.69 min Scan# 3920
Delta R.T. 0.00 min
Lab File: VU029374.D
Acq: 08 Feb 2019 11:59

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:225 Resp: 271

Ion	Ratio	Lower	Upper
225	100		
223	7.0	49.5	74.3#
227	0.0	50.4	75.6#

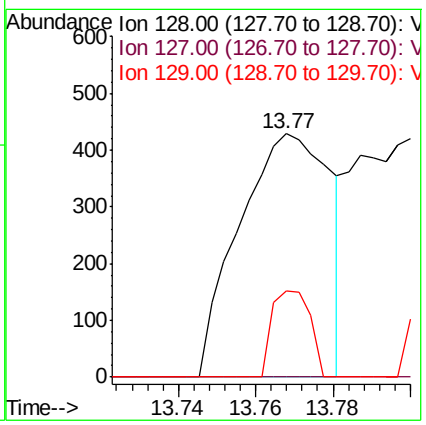


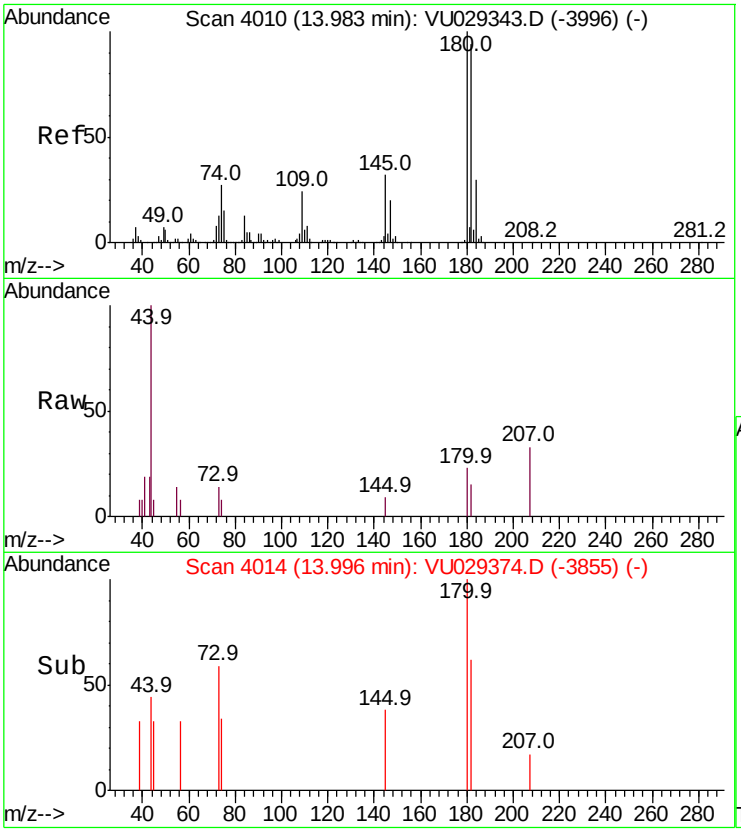


#89
Naphthalene
Concen: 0.015 ug/l
RT: 13.77 min Scan# 3943
Delta R.T. 0.03 min
Lab File: VU029374.D
Acq: 08 Feb 2019 11:59

Tgt Ion:128 Resp: 701

Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.7	16.1#
129	15.0	8.2	12.4#





#90
1,2,3-Trichlorobenzene
Concen: 0.018 ug/l
RT: 14.00 min Scan# 4014
Delta R.T. 0.01 min
Lab File: VU029374.D
Acq: 08 Feb 2019 11:59

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:180 Resp: 443

Ion	Ratio	Lower	Upper
180	100		
182	103.4	78.0	117.0
145	14.9	26.6	39.8#