

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU031019\
 Data File : VU029878.D
 Acq On : 08 Mar 2019 10:37
 Operator : JC/SP
 Sample : MDL07
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL07

Quant Time: Mar 08 21:50:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U030719DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Mar 08 00:30:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	5.74	96	58259	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.31	95	19747	0.94	ug/l	0.00
Spiked Amount 1.000			Recovery	=	94.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	22794	0.94	ug/l	0.00
Spiked Amount 1.000			Recovery	=	94.00%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	5222	0.268 ug/l	93
3) Chloromethane	1.33	50	5013	0.289 ug/l	98
4) Vinyl Chloride	1.40	62	5738	0.294 ug/l	97
5) Bromomethane	1.63	94	4402	0.330 ug/l	86
6) Chloroethane	1.70	64	3373	0.288 ug/l	92
7) Trichlorofluoromethane	1.89	101	7354	0.276 ug/l	95
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	4696	0.303 ug/l	95
9) 1,1-Dichloroethene	2.28	96	4365	0.288 ug/l	88
10) Iodomethane	2.41	142	2778	0.737 ug/l	92
11) Allyl Chloride	2.59	41	6491	0.305 ug/l	99
12) Acrylonitrile	2.93	53	2083	0.630 ug/l	98
13) Acetone	2.32	43	4580	1.674 ug/l	91
14) Carbon Disulfide	2.47	76	13631	0.278 ug/l #	95
15) Methylene Chloride	2.70	84	5670	0.312 ug/l	99
16) trans-1,2-Dichloroethene	2.98	96	4889	0.286 ug/l	95
17) 1,1-Dichloroethane	3.44	63	7977	0.278 ug/l	95
18) 2-Butanone	4.29	43	3984	1.071 ug/l	95
19) Cyclohexane	4.99	56	5011	0.225 ug/l	96
20) Methylcyclohexane	6.41	83	6869	0.265 ug/l	99
21) 2,2-Dichloropropane	4.22	77	6967	0.298 ug/l	91
22) cis-1,2-Dichloroethene	4.22	96	5238	0.289 ug/l	93
23) Diethyl Ether	2.10	59	3165	0.279 ug/l #	87
24) tert-Butyl Alcohol	2.84	59	4461	3.807 ug/l #	92
25) Methyl tert-Butyl Ether	3.00	73	11133	0.292 ug/l #	82
26) Bromochloromethane	4.55	128	2159	0.268 ug/l	97
27) Chloroform	4.67	83	7482	0.258 ug/l	95
28) 1,1,1-Trichloroethane	4.91	97	6887	0.280 ug/l	98
29) 1,1-Dichloropropene	5.13	75	5770	0.264 ug/l #	94
30) Carbon Tetrachloride	5.13	117	5567	0.259 ug/l	96
31) Isopropyl Ether	3.58	45	10812	0.274 ug/l	86
32) Ethyl-t-butyl ether	4.07	59	9397	0.245 ug/l #	69
33) Tert-Amyl methyl ether	5.58	73	9284	0.261 ug/l	97
34) Propionitrile	4.34	54	729	0.659 ug/l #	69
35) Benzene	5.39	78	16310	0.253 ug/l	100
36) 1,2-Dichloroethane	5.40	62	4603	0.262 ug/l #	82
37) Trichloroethene	6.19	130	5138	0.273 ug/l	89
38) 1,2-Dichloropropane	6.43	63	4157	0.255 ug/l	91
39) Methacrylonitrile	4.55	41	1160	0.249 ug/l #	91
40) Methyl acrylate	4.44	55	500	0.068 ug/l #	68
41) Tetrahydrofuran	4.67	42	1376	0.565 ug/l #	62
42) 1-Chlorobutane	5.06	56	6480	0.232 ug/l	77

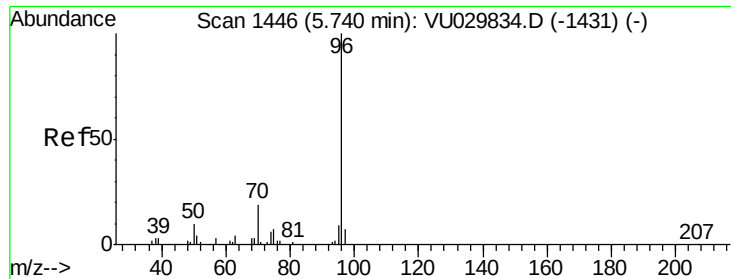
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU031019\
 Data File : VU029878.D
 Acq On : 08 Mar 2019 10:37
 Operator : JC/SP
 Sample : MDL07
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

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 MSVOA_U
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Quant Time: Mar 08 21:50:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U030719DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Mar 08 00:30:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	2125	0.252	ug/l	94
44) Bromodichloromethane	6.76	83	4822	0.232	ug/l	97
45) 4-Methyl-2-Pentanone	7.47	43	11307	1.284	ug/l	95
46) t-1,4-Dichloro-2-butene	10.49	75	4372	1.187	ug/l #	41
47) Methyl methacrylate	6.64	69	3161	0.436	ug/l	93
48) Ethyl methacrylate	8.03	69	3122	0.225	ug/l	95
49) Toluene	7.64	92	9913	0.251	ug/l	96
50) t-1,3-Dichloropropene	7.89	75	3810	0.210	ug/l #	87
51) cis-1,3-Dichloropropene	7.27	75	5230	0.232	ug/l	97
52) 1,1,2-Trichloroethane	8.07	97	3034	0.243	ug/l	92
53) 1,3-Dichloropropane	8.24	76	4979	0.243	ug/l	99
54) 2-Hexanone	8.38	43	7664	1.253	ug/l	88
55) Dibromochloromethane	8.48	129	3651	0.246	ug/l	99
56) 1,2-Dibromoethane	8.59	107	3156	0.266	ug/l	95
58) Tetrachloroethene	8.22	164	6728	0.350	ug/l	95
59) Chlorobenzene	9.12	112	11555	0.254	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.21	131	4028	0.247	ug/l	92
61) Pentachloroethane	11.10	117	2731	0.241	ug/l	92
62) Hexachloroethane	12.14	117	2677	0.224	ug/l	90
63) Ethyl Benzene	9.25	91	17641	0.237	ug/l	98
64) m/p-Xylenes	9.38	106	13583	0.462	ug/l	98
65) o-Xylene	9.78	106	6528	0.231	ug/l	94
66) Styrene	9.79	104	9907	0.211	ug/l	97
67) Bromoform	9.95	173	1830	0.210	ug/l #	95
69) Isopropylbenzene	10.16	105	17991	0.240	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.46	83	4033	0.265	ug/l	93
71) 1,2,3-Trichloropropane	10.49	75	4372	0.386	ug/l	78
72) Bromobenzene	10.45	156	4955	0.250	ug/l	96
73) n-propylbenzene	10.59	120	4981	0.236	ug/l	86
74) 2-Chlorotoluene	10.66	126	4459	0.239	ug/l	86
75) 1,3,5-Trimethylbenzene	10.77	105	14081	0.223	ug/l	96
76) 4-Chlorotoluene	10.77	126	4363	0.229	ug/l	95
77) tert-Butylbenzene	11.10	119	14402	0.231	ug/l	99
78) 1,2,4-Trimethylbenzene	11.15	105	14313	0.224	ug/l	97
79) sec-Butylbenzene	11.32	105	18455	0.223	ug/l	98
80) Nitrobenzene	12.96	77	44	0.159	ug/l #	39
81) p-Isopropyltoluene	11.48	119	15310	0.221	ug/l	98
82) 1,3-Dichlorobenzene	11.42	146	9854	0.251	ug/l	97
83) 1,4-Dichlorobenzene	11.51	146	10092	0.263	ug/l	97
84) n-Butylbenzene	11.89	91	13075	0.207	ug/l	97
85) 1,2-Dichlorobenzene	11.88	146	9269	0.250	ug/l	96
86) 1,2-Dibromo-3-Chloropropan	12.66	75	416	0.191	ug/l	89
87) 1,2,4-Trichlorobenzene	13.51	180	4482	0.189	ug/l	93
88) Hexachlorobutadiene	13.69	225	3699	0.248	ug/l	99
89) Naphthalene	13.76	128	4597	0.554	ug/l #	89
90) 1,2,3-Trichlorobenzene	13.99	180	4712	0.211	ug/l	97

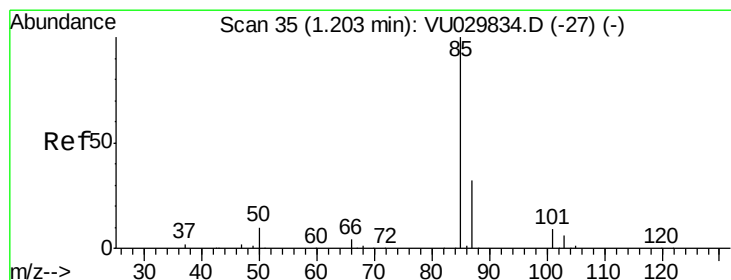
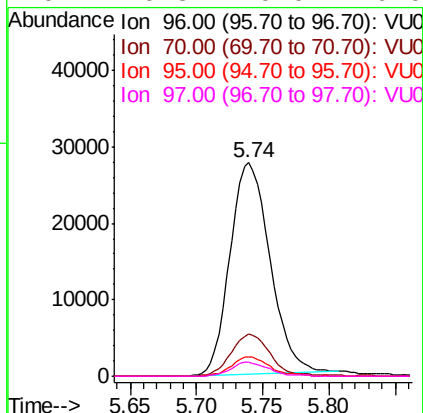
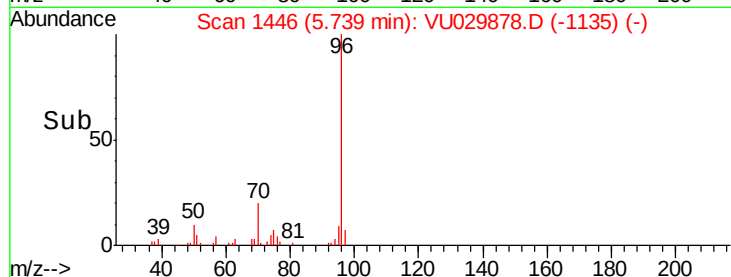
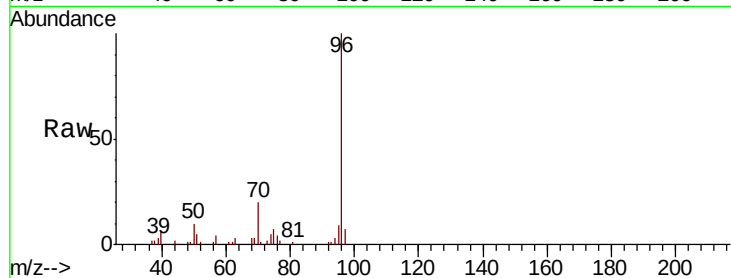
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 Fluorobenzene
 Concen: 1.000 ug/l
 RT: 5.74 min Scan# 1446
 Delta R.T. -0.00 min
 Lab File: VU029878.D
 Acq: 08 Mar 2019 10:37

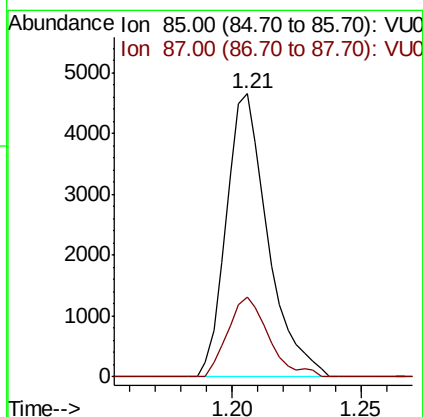
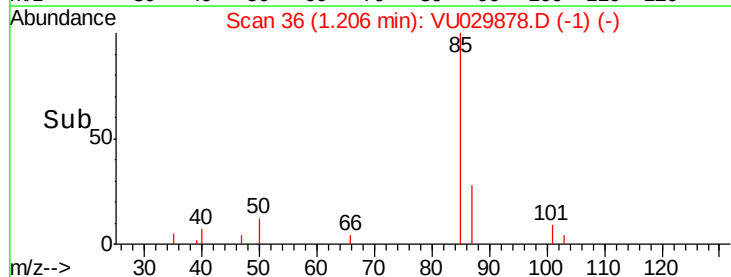
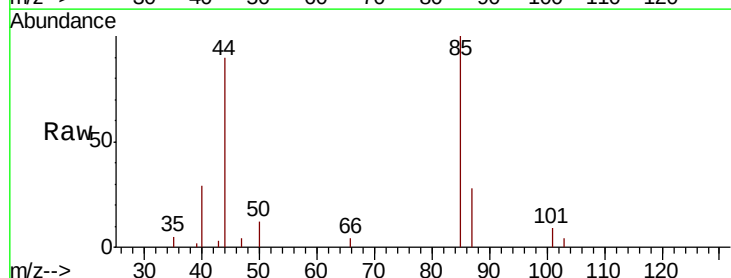
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL07

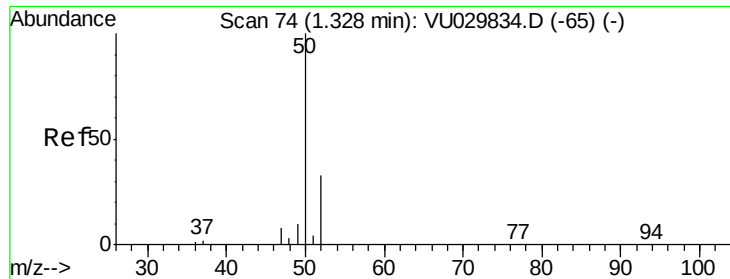
Tgt Ion:	96	Resp:	58259
Ion	Ratio	Lower	Upper
96	100		
70	19.6	14.4	21.6
95	8.8	7.0	10.6
97	6.3	0.0	0.0#



#2
 Dichlorodifluoromethane
 Concen: 0.268 ug/l
 RT: 1.21 min Scan# 36
 Delta R.T. 0.00 min
 Lab File: VU029878.D
 Acq: 08 Mar 2019 10:37

Tgt Ion:	85	Resp:	5222
Ion	Ratio	Lower	Upper
85	100		
87	28.2	16.2	48.6





#3

Chloromethane

Concen: 0.289 ug/l

RT: 1.33 min Scan# 74

Delta R.T. -0.00 min

Lab File: VU029878.D

Acq: 08 Mar 2019 10:37

Instrument :

MSVOA_U

ClientSampleId :

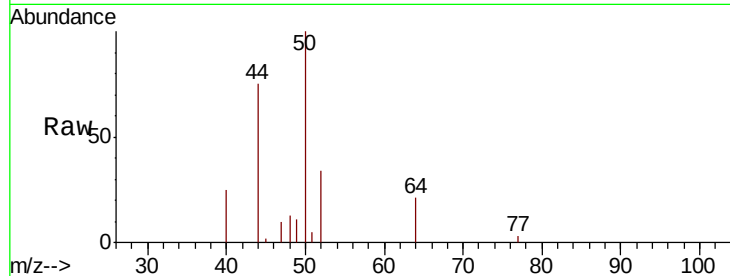
MDL07

Tgt Ion: 50 Resp: 5013

Ion Ratio Lower Upper

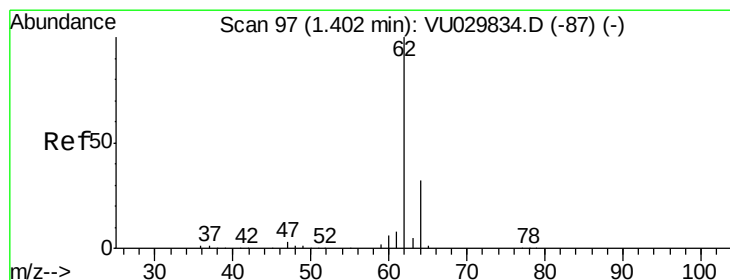
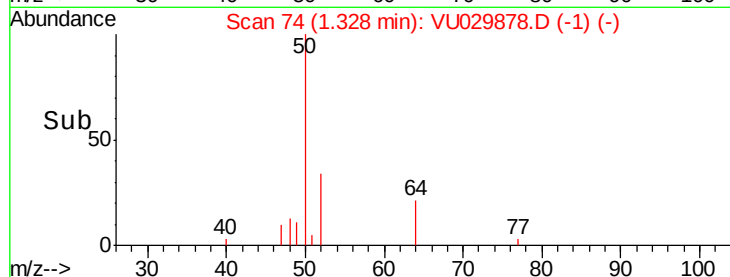
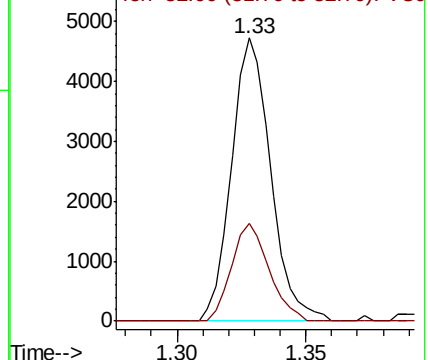
50 100

52 34.4 26.5 39.7



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#4

Vinyl Chloride

Concen: 0.294 ug/l

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU029878.D

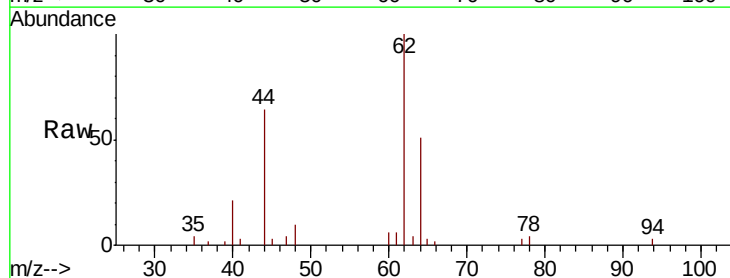
Acq: 08 Mar 2019 10:37

Tgt Ion: 62 Resp: 5738

Ion Ratio Lower Upper

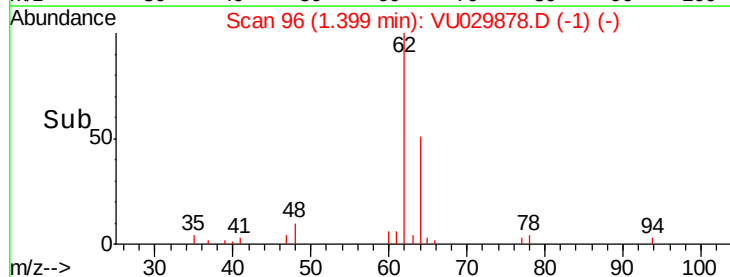
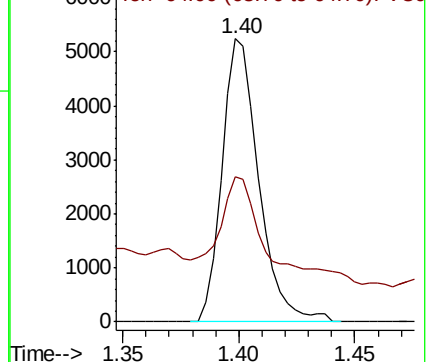
62 100

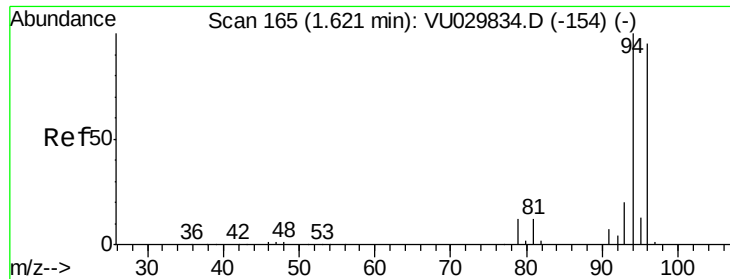
64 34.1 25.7 38.5



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0

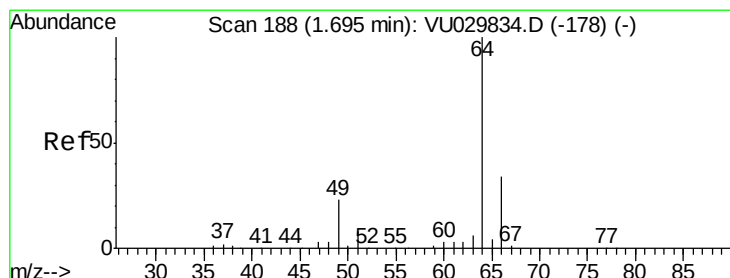
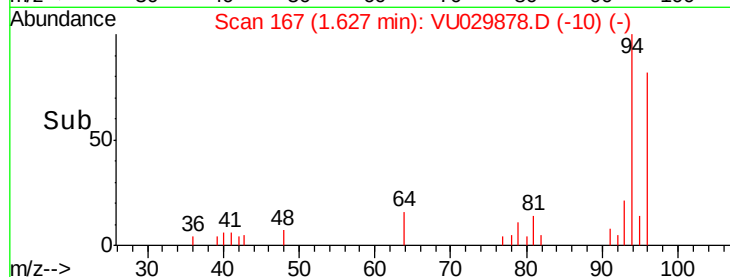
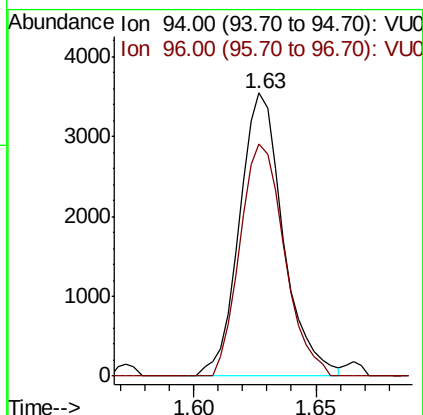
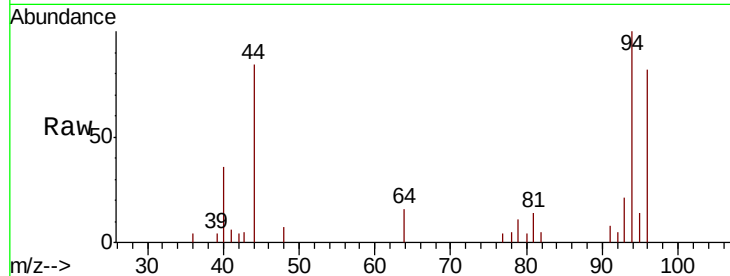




#5
Bromomethane
Concen: 0.330 ug/l
RT: 1.63 min Scan# 167
Delta R.T. 0.01 min
Lab File: VU029878.D
Acq: 08 Mar 2019 10:37

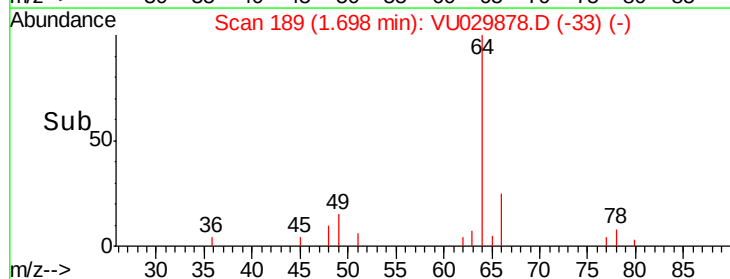
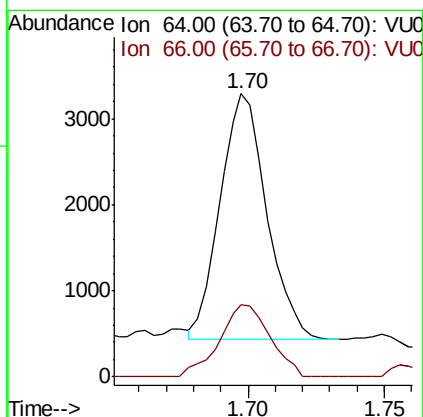
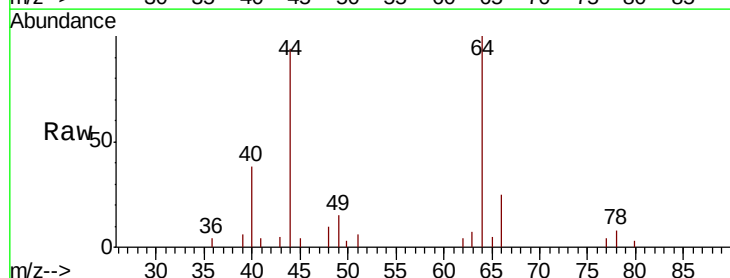
Instrument :
MSVOA_U
ClientSampleId :
MDL07

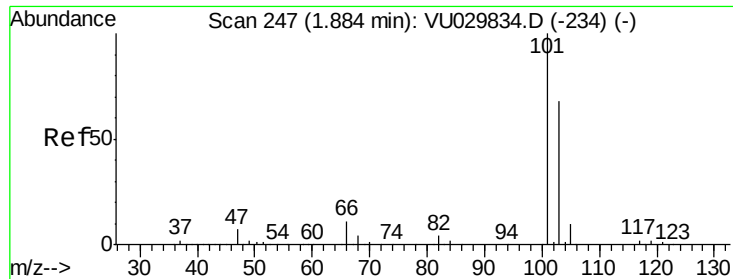
Tgt Ion: 94 Resp: 4402
Ion Ratio Lower Upper
94 100
96 81.9 76.4 114.6



#6
Chloroethane
Concen: 0.288 ug/l
RT: 1.70 min Scan# 189
Delta R.T. 0.00 min
Lab File: VU029878.D
Acq: 08 Mar 2019 10:37

Tgt Ion: 64 Resp: 3373
Ion Ratio Lower Upper
64 100
66 29.4 27.3 40.9



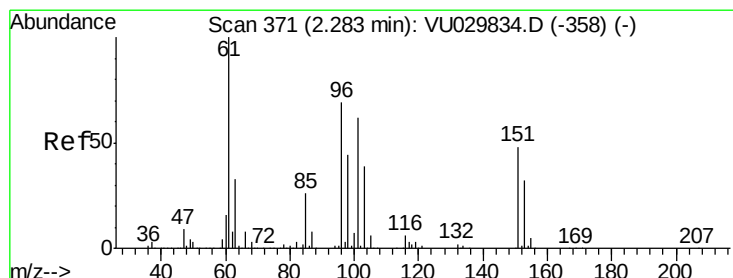
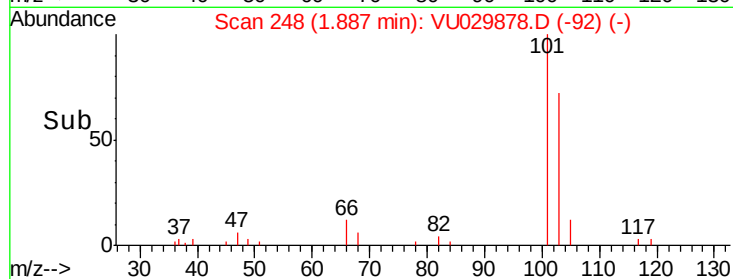
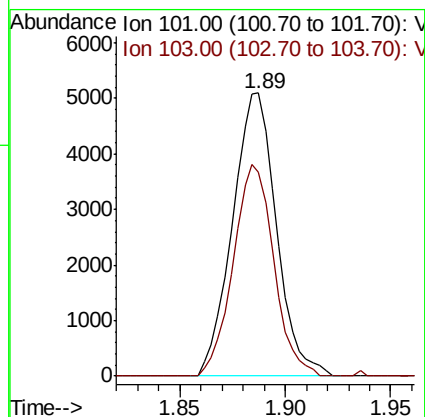
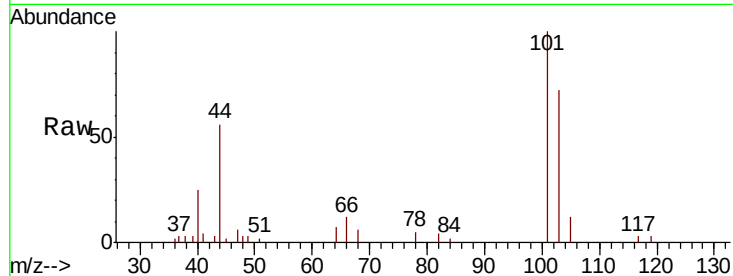


#7

Trichlorofluoromethane
 Concen: 0.276 ug/l
 RT: 1.89 min Scan# 248
 Delta R.T. 0.00 min
 Lab File: VU029878.D
 Acq: 08 Mar 2019 10:37

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL07

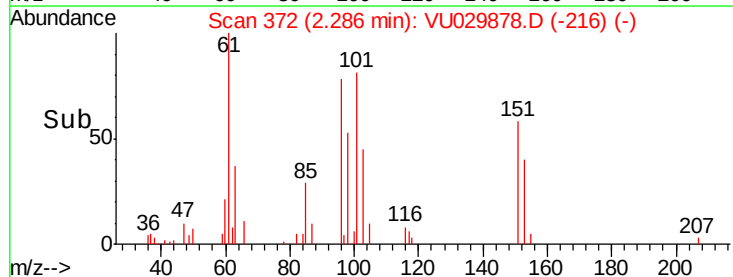
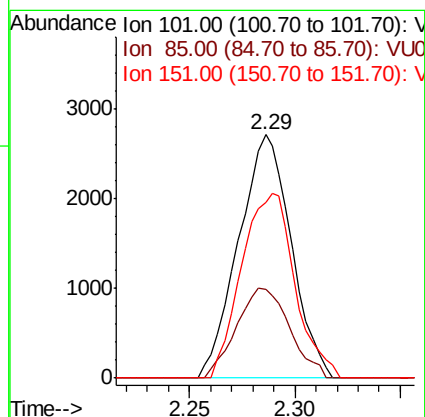
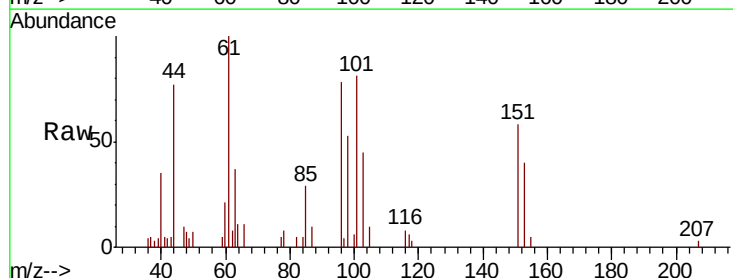
Tgt Ion:101 Resp: 7354
 Ion Ratio Lower Upper
 101 100
 103 71.9 54.2 81.2

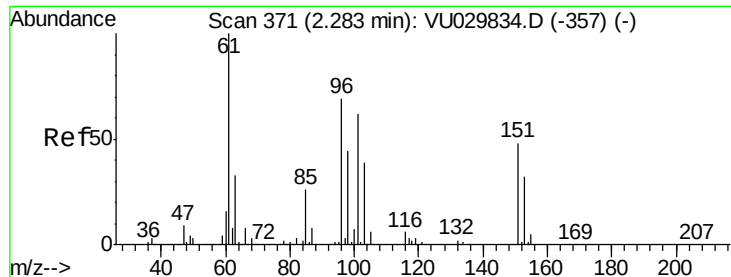


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.303 ug/l
 RT: 2.29 min Scan# 372
 Delta R.T. 0.00 min
 Lab File: VU029878.D
 Acq: 08 Mar 2019 10:37

Tgt Ion:101 Resp: 4696
 Ion Ratio Lower Upper
 101 100
 85 37.5 33.4 50.0
 151 77.0 64.6 97.0





#9

1,1-Dichloroethene

Concen: 0.288 ug/l

RT: 2.28 min Scan# 371

Delta R.T. -0.00 min

Lab File: VU029878.D

Acq: 08 Mar 2019 10:37

Instrument :

MSVOA_U

ClientSampleId :

MDL07

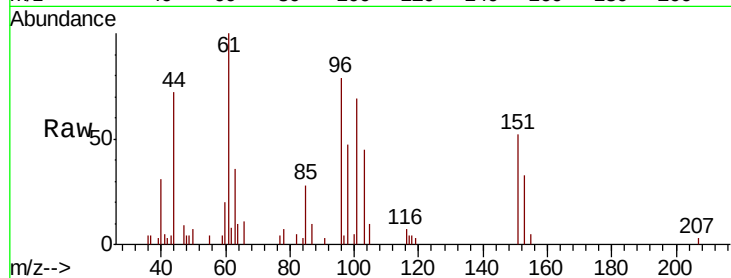
Tgt Ion: 96 Resp: 4365

Ion Ratio Lower Upper

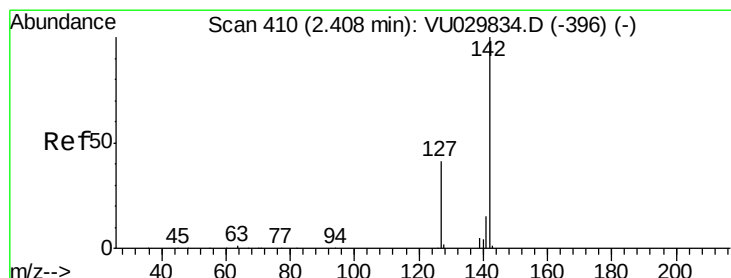
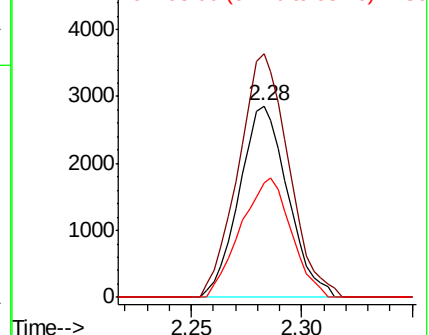
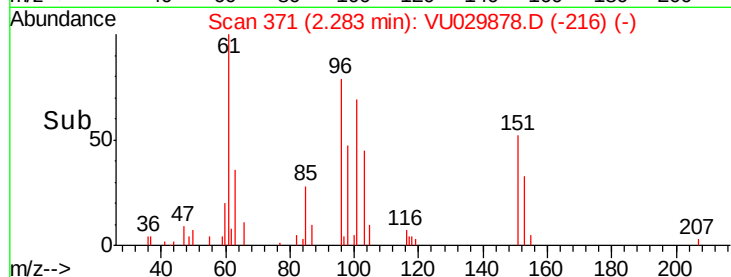
96 100

61 127.1 0.0 435.3

98 59.6 0.0 128.6



Abundance Ion 96.00 (95.70 to 96.70): VU029878.D (-216) (-)



#10

Iodomethane

Concen: 0.737 ug/l

RT: 2.41 min Scan# 410

Delta R.T. 0.00 min

Lab File: VU029878.D

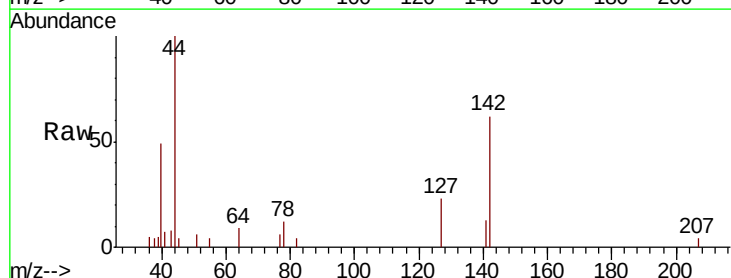
Acq: 08 Mar 2019 10:37

Tgt Ion: 142 Resp: 2778

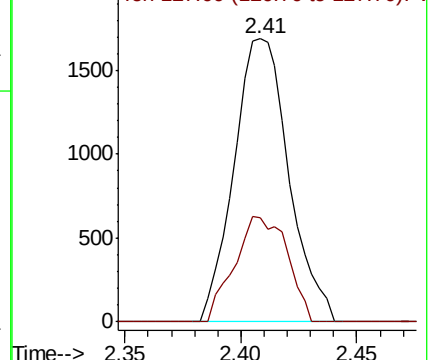
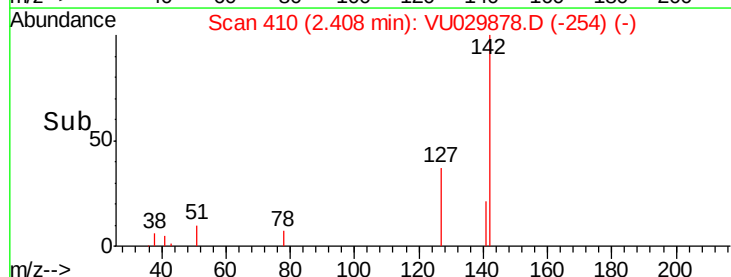
Ion Ratio Lower Upper

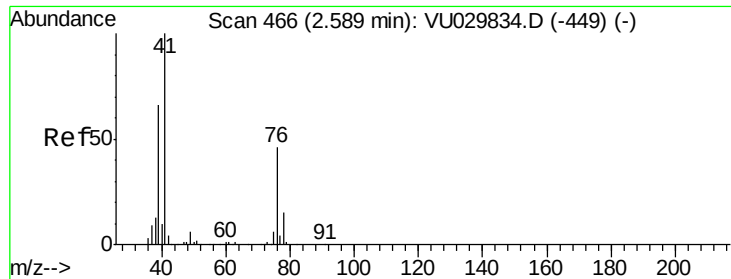
142 100

127 35.6 32.3 48.5



Abundance Ion 142.00 (141.70 to 142.70): VU029878.D (-254) (-)

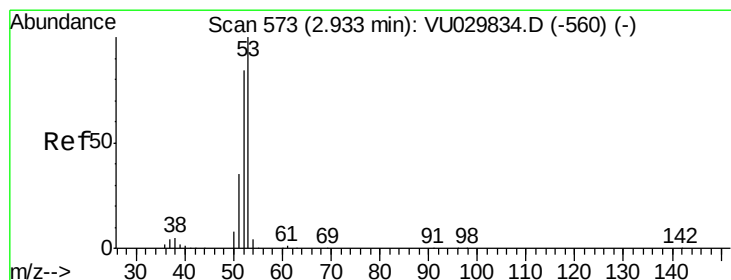
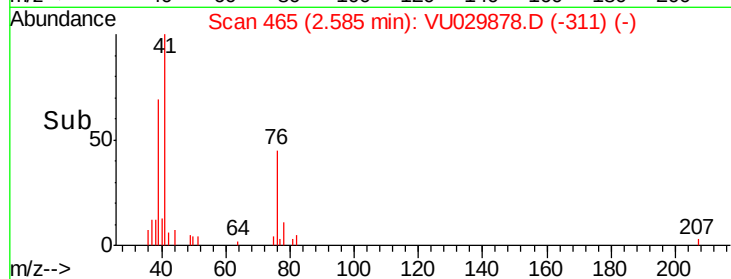
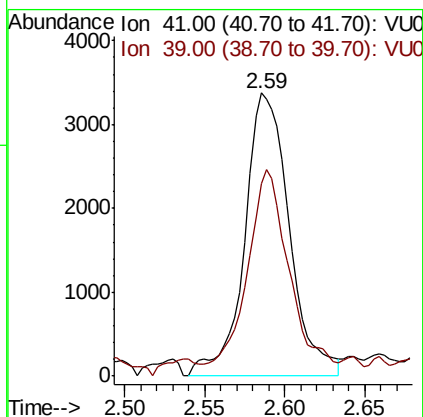
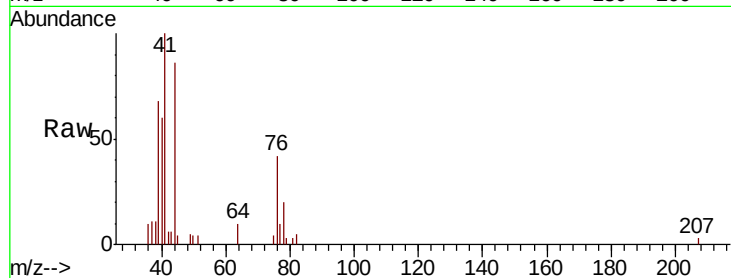




#11
 Allyl Chloride
 Concen: 0.305 ug/l
 RT: 2.59 min Scan# 465
 Delta R.T. -0.00 min
 Lab File: VU029878.D
 Acq: 08 Mar 2019 10:37

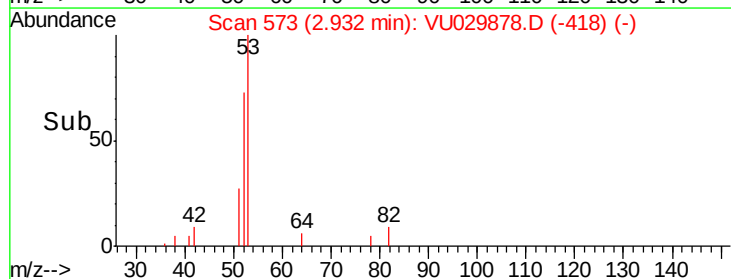
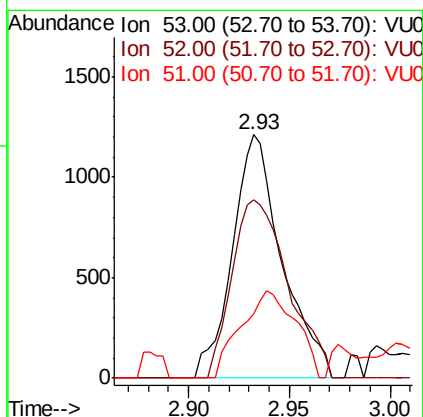
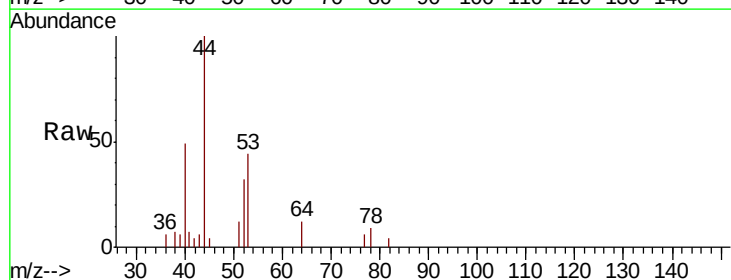
Instrument :
 MSVOA_U
 ClientSampled :
 MDL07

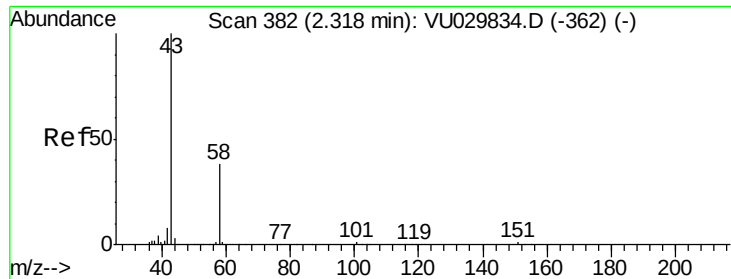
Tgt Ion: 41 Resp: 6491
 Ion Ratio Lower Upper
 41 100
 39 65.0 51.6 77.4



#12
 Acrylonitrile
 Concen: 0.630 ug/l
 RT: 2.93 min Scan# 573
 Delta R.T. -0.00 min
 Lab File: VU029878.D
 Acq: 08 Mar 2019 10:37

Tgt Ion: 53 Resp: 2083
 Ion Ratio Lower Upper
 53 100
 52 83.3 66.5 99.7
 51 39.6 28.6 42.8





#13

Acetone

Concen: 1.674 ug/l

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU029878.D

Acq: 08 Mar 2019 10:37

Instrument :

MSVOA_U

ClientSampleId :

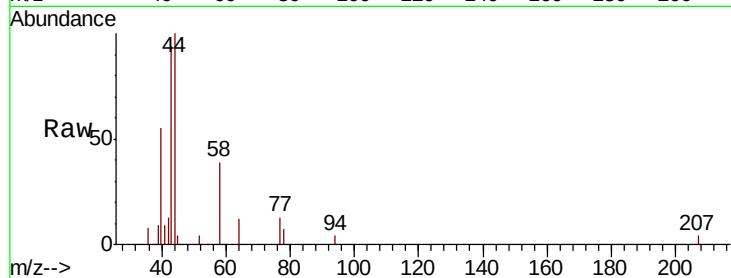
MDL07

Tgt Ion: 43 Resp: 4580

Ion Ratio Lower Upper

43 100

58 43.4 30.2 45.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

2.32

2500

2000

1500

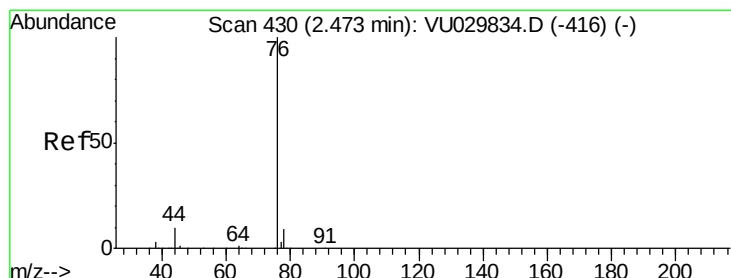
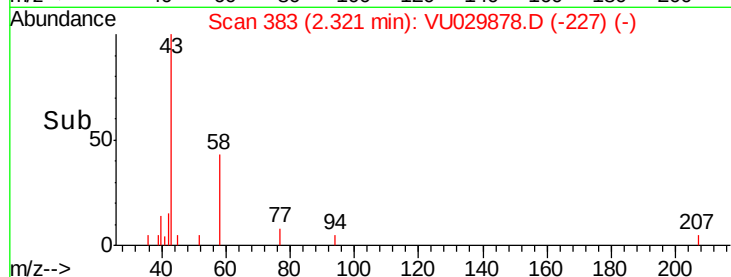
1000

500

0

Time-->

2.25 2.30 2.35 2.40



#14

Carbon Disulfide

Concen: 0.278 ug/l

RT: 2.47 min Scan# 430

Delta R.T. -0.00 min

Lab File: VU029878.D

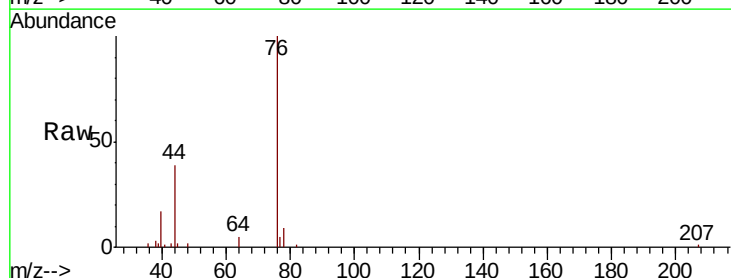
Acq: 08 Mar 2019 10:37

Tgt Ion: 76 Resp: 13631

Ion Ratio Lower Upper

76 100

78 7.2 7.2 10.8#



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0

10000

8000

6000

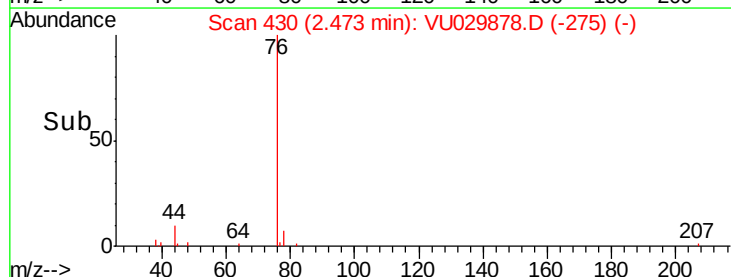
4000

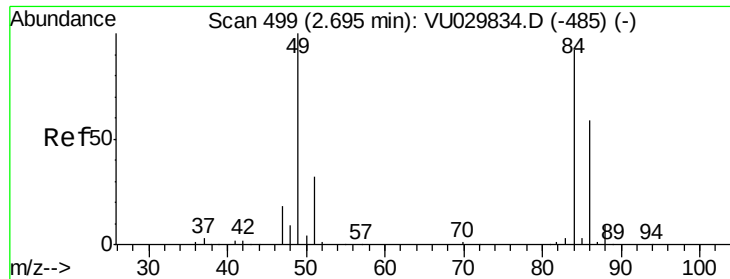
2000

0

Time-->

2.45 2.50

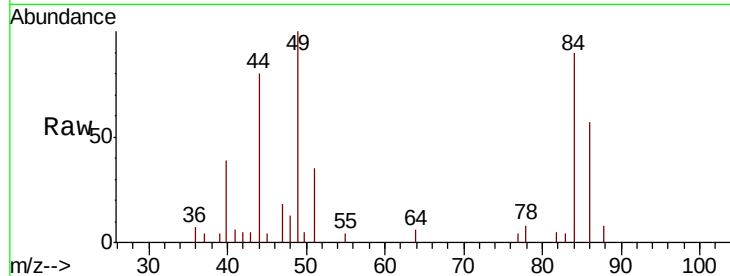




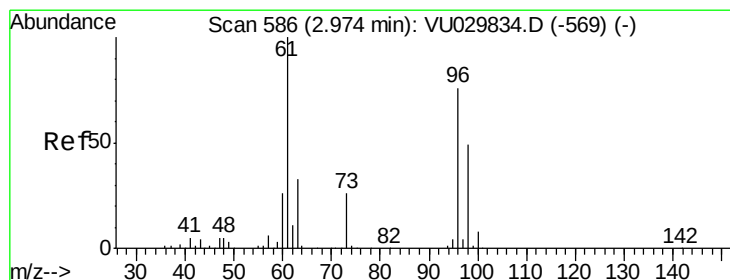
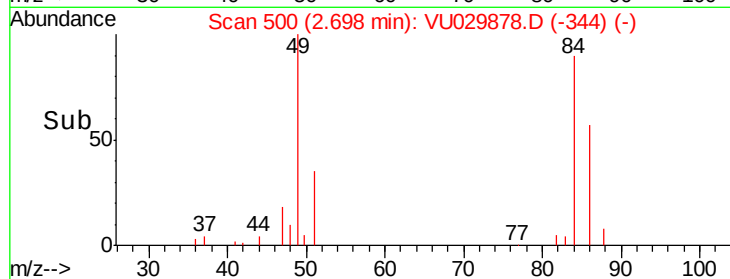
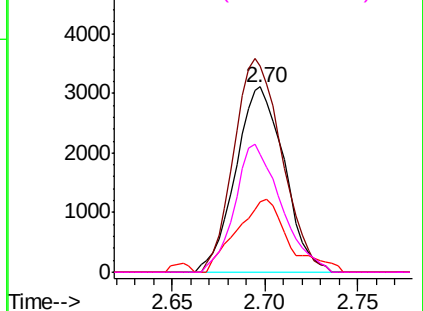
#15
Methylene Chloride
Concen: 0.312 ug/l
RT: 2.70 min Scan# 500
Delta R.T. 0.00 min
Lab File: VU029878.D
Acq: 08 Mar 2019 10:37

Instrument :
MSVOA_U
ClientSampleId :
MDL07

Tgt Ion: 84 Resp: 5670
Ion Ratio Lower Upper
84 100
49 110.9 87.2 130.8
51 34.7 0.0 69.0
86 63.6 51.3 76.9

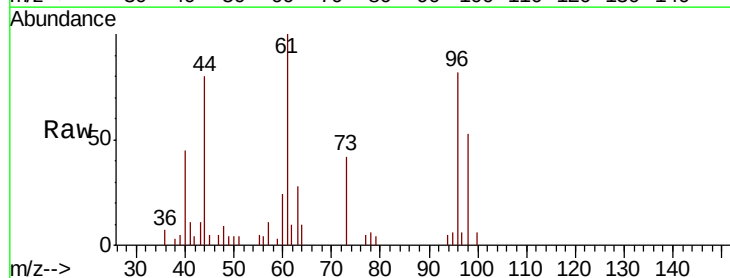


Abundance Ion 84.00 (83.70 to 84.70): VU0
Ion 49.00 (48.70 to 49.70): VU0
Ion 51.00 (50.70 to 51.70): VU0
Ion 86.00 (85.70 to 86.70): VU0

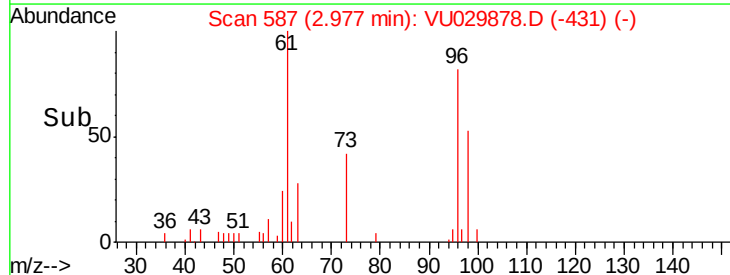
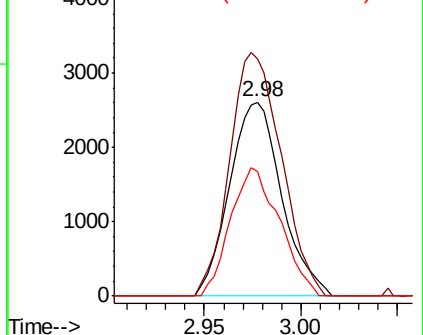


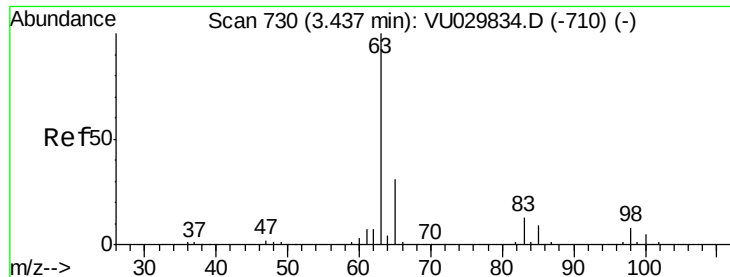
#16
trans-1,2-Dichloroethene
Concen: 0.286 ug/l
RT: 2.98 min Scan# 587
Delta R.T. 0.00 min
Lab File: VU029878.D
Acq: 08 Mar 2019 10:37

Tgt Ion: 96 Resp: 4889
Ion Ratio Lower Upper
96 100
61 121.9 104.7 157.1
98 64.2 50.9 76.3



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

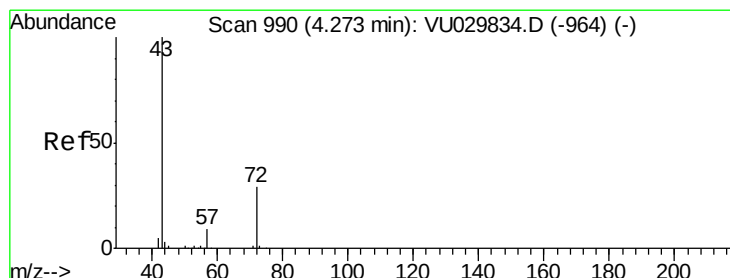
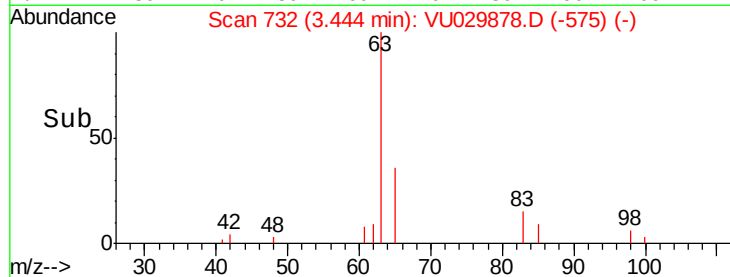
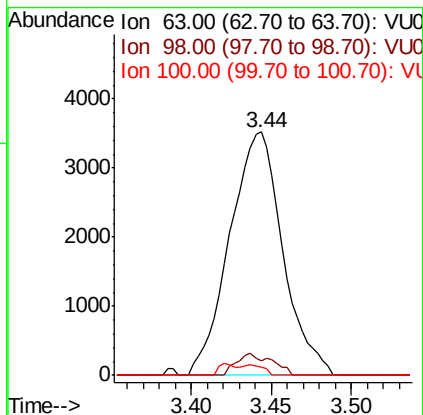
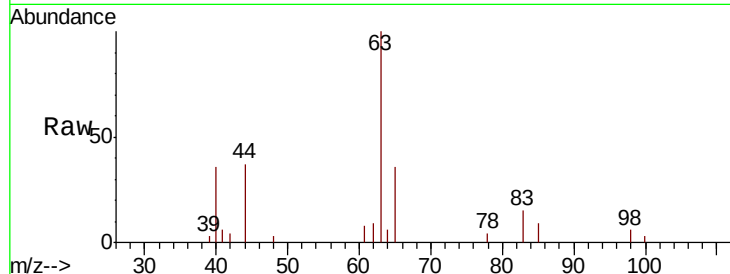




#17
 1,1-Dichloroethane
 Concen: 0.278 ug/l
 RT: 3.44 min Scan# 732
 Delta R.T. 0.01 min
 Lab File: VU029878.D
 Acq: 08 Mar 2019 10:37

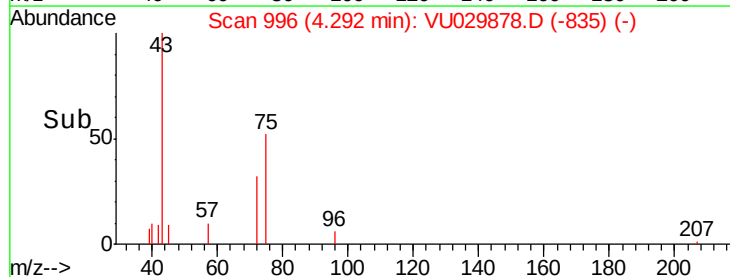
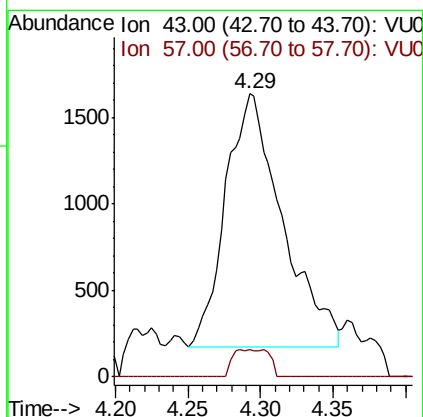
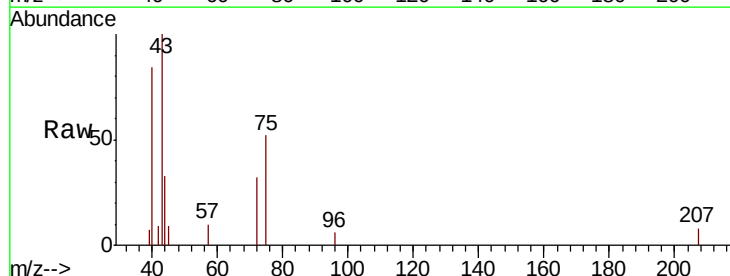
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL07

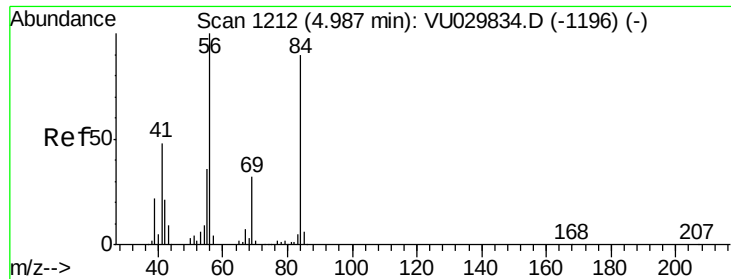
Tgt Ion: 63 Resp: 7977
 Ion Ratio Lower Upper
 63 100
 98 6.0 3.8 11.4
 100 3.2 2.4 7.1



#18
 2-Butanone
 Concen: 1.071 ug/l
 RT: 4.29 min Scan# 996
 Delta R.T. 0.02 min
 Lab File: VU029878.D
 Acq: 08 Mar 2019 10:37

Tgt Ion: 43 Resp: 3984
 Ion Ratio Lower Upper
 43 100
 57 11.0 0.0 18.6

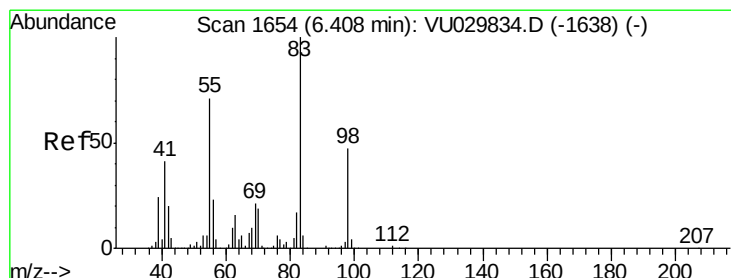
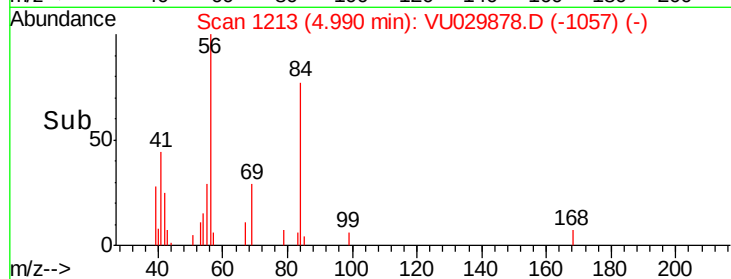
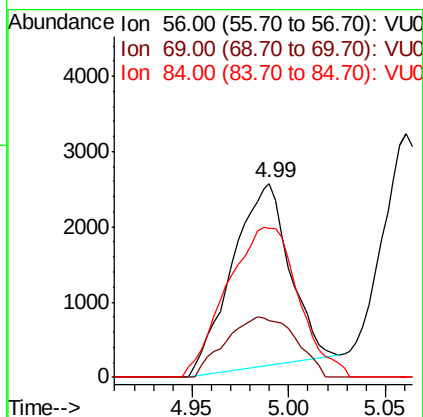
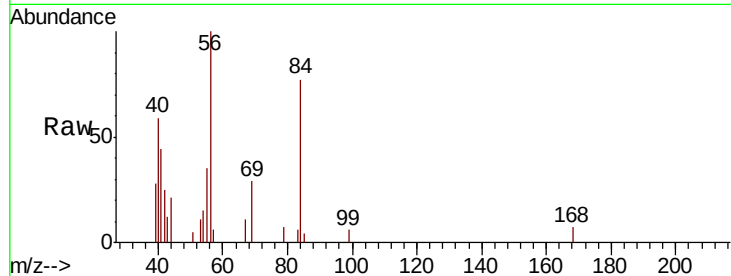




#19
Cyclohexane
Concen: 0.225 ug/l
RT: 4.99 min Scan# 1213
Delta R.T. 0.00 min
Lab File: VU029878.D
Acq: 08 Mar 2019 10:37

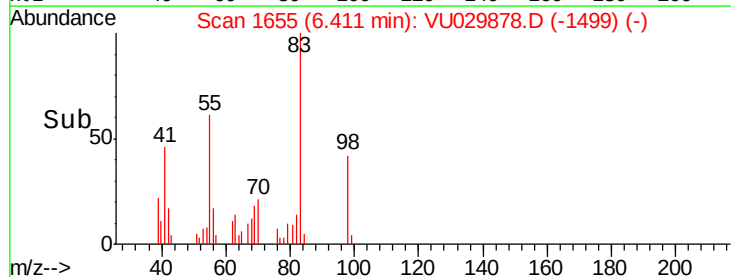
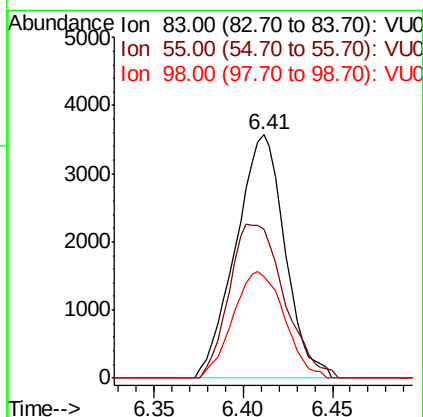
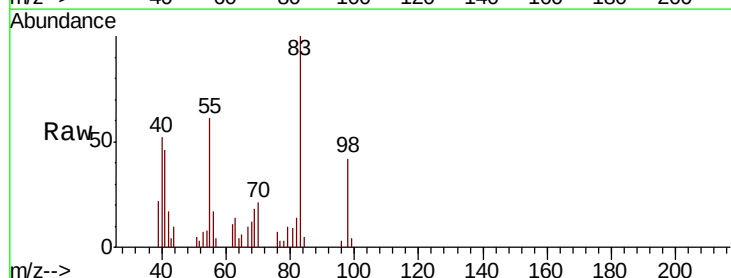
Instrument :
MSVOA_U
ClientSampleId :
MDL07

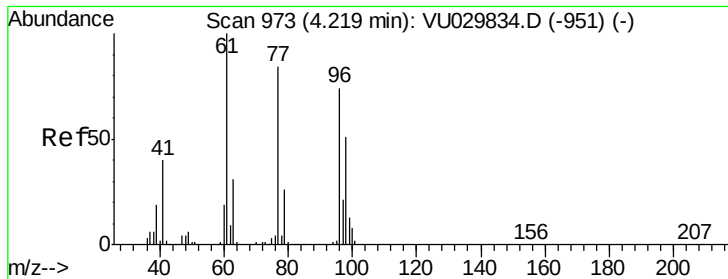
Tgt Ion: 56 Resp: 5011
Ion Ratio Lower Upper
56 100
69 40.2 29.4 44.2
84 102.3 84.6 127.0



#20
Methylcyclohexane
Concen: 0.265 ug/l
RT: 6.41 min Scan# 1655
Delta R.T. 0.00 min
Lab File: VU029878.D
Acq: 08 Mar 2019 10:37

Tgt Ion: 83 Resp: 6869
Ion Ratio Lower Upper
83 100
55 70.3 55.9 83.9
98 45.7 37.0 55.4

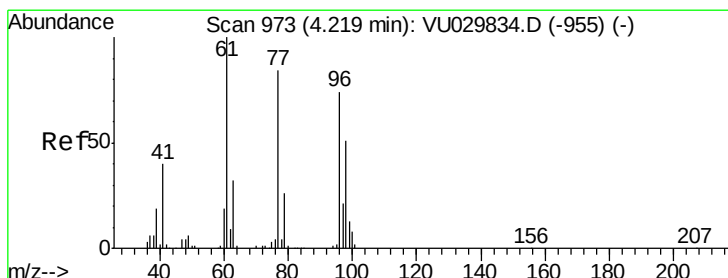
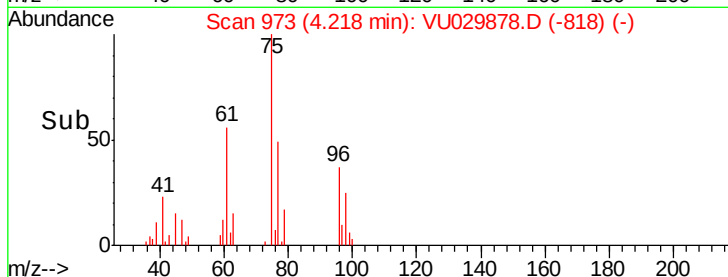
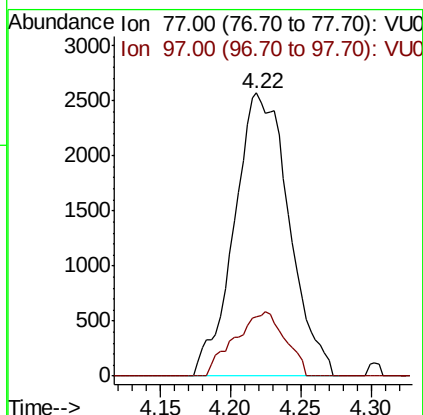
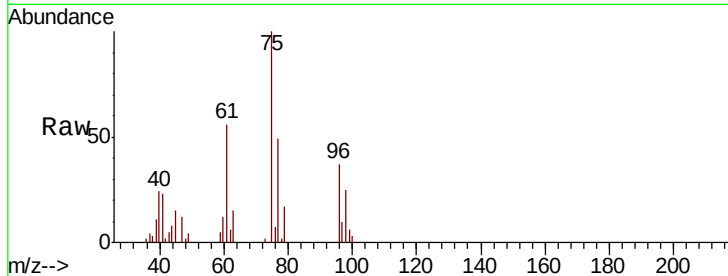




#21
 2,2-Dichloropropane
 Concen: 0.298 ug/l
 RT: 4.22 min Scan# 973
 Delta R.T. -0.00 min
 Lab File: VU029878.D
 Acq: 08 Mar 2019 10:37

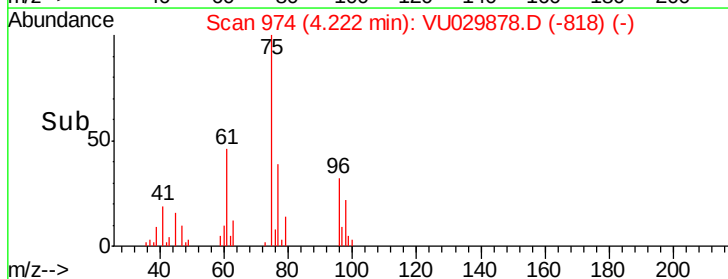
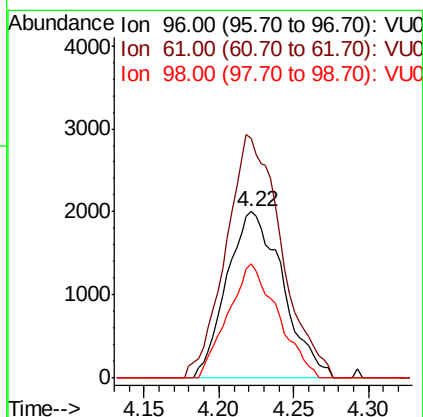
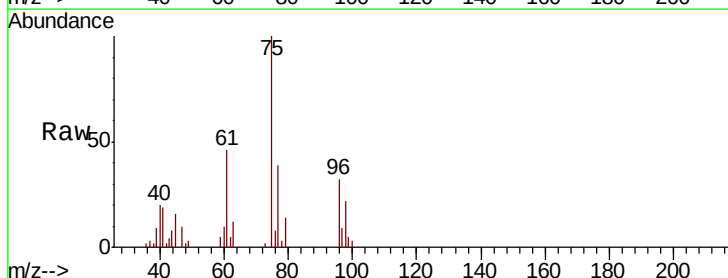
Instrument :
 MSVOA_U
 ClientSampled :
 MDL07

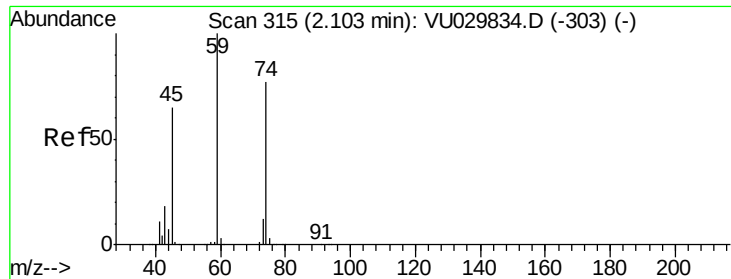
Tgt Ion: 77 Resp: 6967
 Ion Ratio Lower Upper
 77 100
 97 20.8 20.2 30.2



#22
 cis-1,2-Dichloroethene
 Concen: 0.289 ug/l
 RT: 4.22 min Scan# 974
 Delta R.T. 0.00 min
 Lab File: VU029878.D
 Acq: 08 Mar 2019 10:37

Tgt Ion: 96 Resp: 5238
 Ion Ratio Lower Upper
 96 100
 61 143.8 0.0 339.0
 98 60.8 33.1 99.5

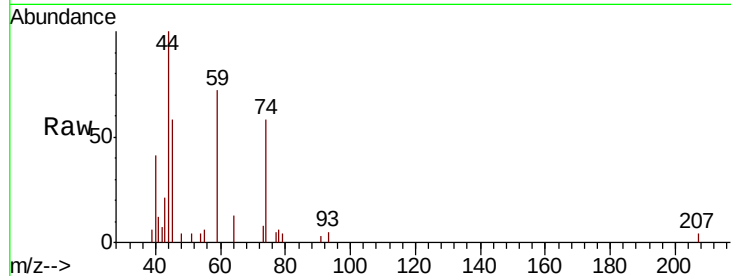




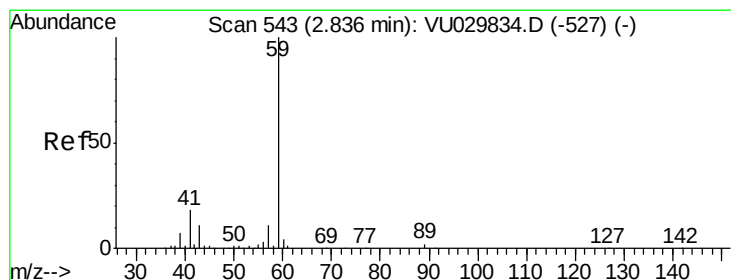
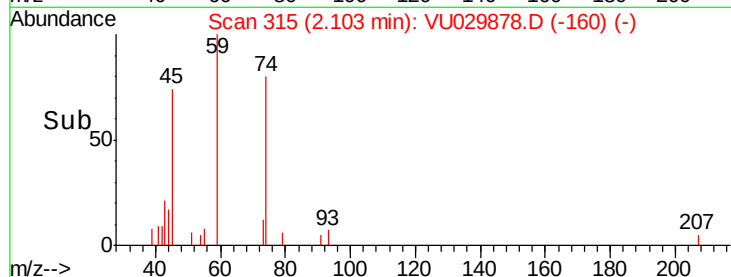
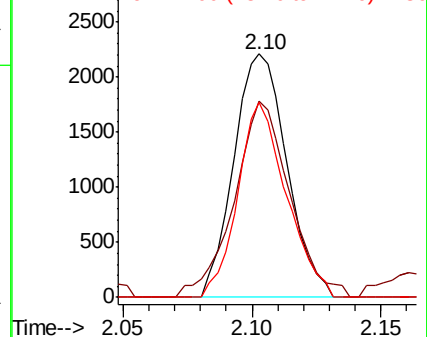
#23
Diethyl Ether
Concen: 0.279 ug/l
RT: 2.10 min Scan# 315
Delta R.T. -0.00 min
Lab File: VU029878.D
Acq: 08 Mar 2019 10:37

Instrument :
MSVOA_U
ClientSampleId :
MDL07

Tgt Ion: 59 Resp: 3165
Ion Ratio Lower Upper
59 100
45 84.6 52.7 79.1#
74 73.5 61.8 92.6

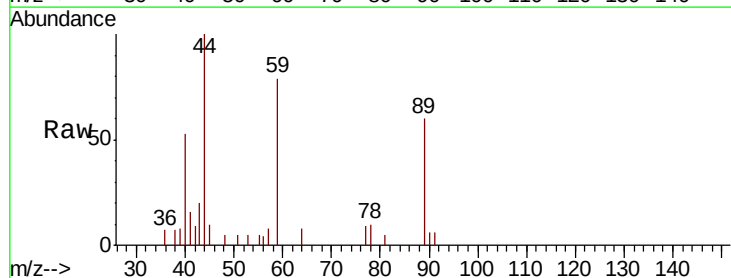


Abundance Ion 59.00 (58.70 to 59.70): VU0
Ion 45.00 (44.70 to 45.70): VU0
Ion 74.00 (73.70 to 74.70): VU0

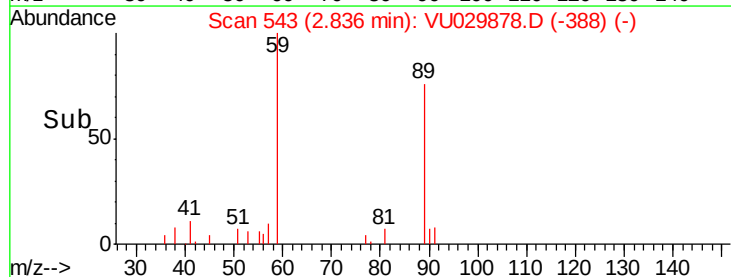
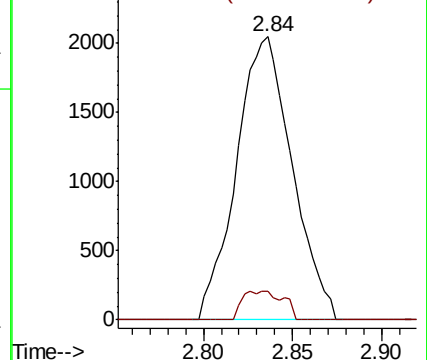


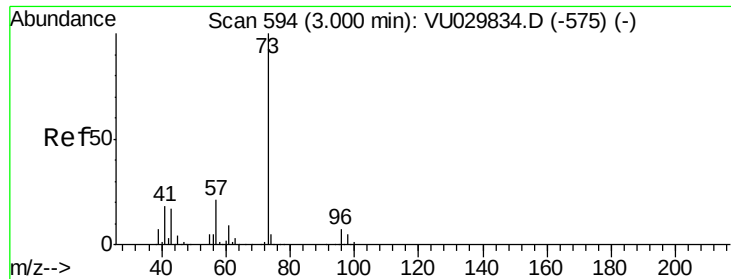
#24
tert-Butyl Alcohol
Concen: 3.807 ug/l
RT: 2.84 min Scan# 543
Delta R.T. -0.00 min
Lab File: VU029878.D
Acq: 08 Mar 2019 10:37

Tgt Ion: 59 Resp: 4461
Ion Ratio Lower Upper
59 100
57 7.5 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VU0
Ion 57.00 (56.70 to 57.70): VU0





#25

Methyl tert-Butyl Ether

Concen: 0.292 ug/l

RT: 3.00 min Scan# 595

Delta R.T. 0.00 min

Lab File: VU029878.D

Acq: 08 Mar 2019 10:37

Instrument :

MSVOA_U

ClientSampleId :

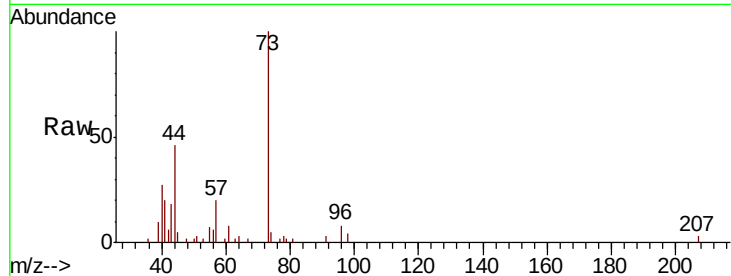
MDL07

Tgt Ion: 73 Resp: 11133

Ion Ratio Lower Upper

73 100

43 8.8 13.1 19.7#

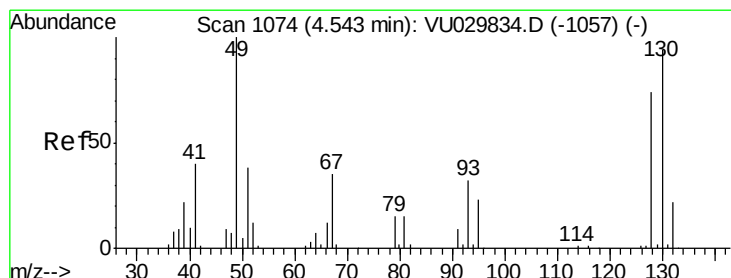
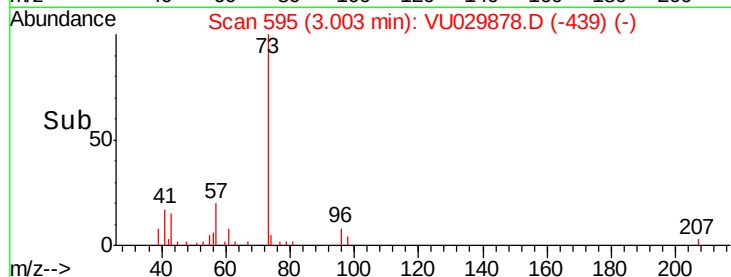


Abundance Ion 73.00 (72.70 to 73.70): VU029834.D (-575) (-)

Ion 43.00 (42.70 to 43.70): VU029834.D (-575) (-)

3.00

Time-->



#26

Bromochloromethane

Concen: 0.268 ug/l

RT: 4.55 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VU029878.D

Acq: 08 Mar 2019 10:37

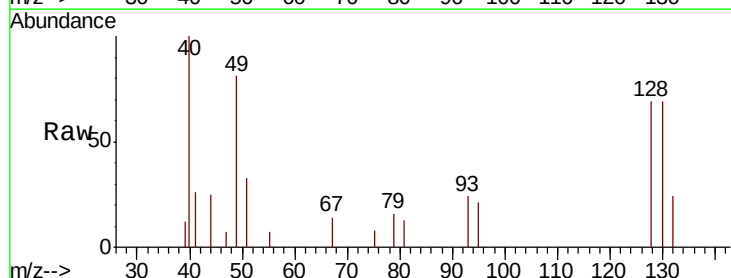
Tgt Ion: 128 Resp: 2159

Ion Ratio Lower Upper

128 100

49 133.0 0.0 270.6

130 126.4 104.2 156.4



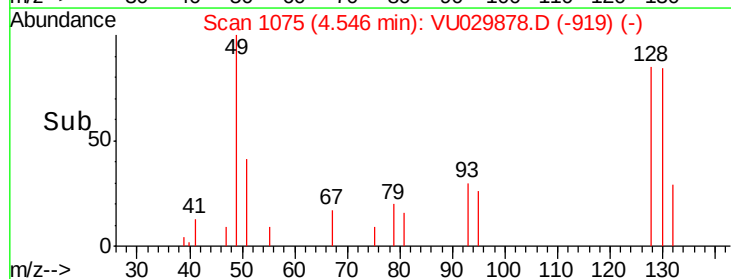
Abundance Ion 128.00 (127.70 to 128.70): VU029834.D (-1057) (-)

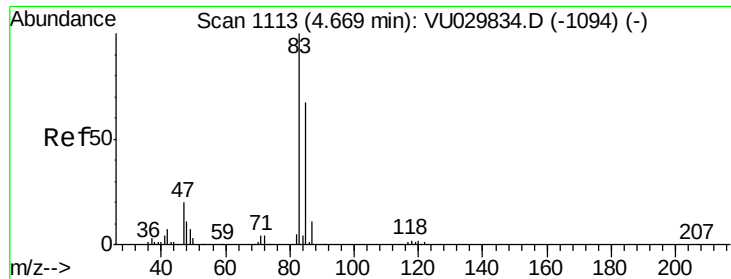
Ion 49.00 (48.70 to 49.70): VU029834.D (-1057) (-)

Ion 130.00 (129.70 to 130.70): VU029834.D (-1057) (-)

4.55

Time-->

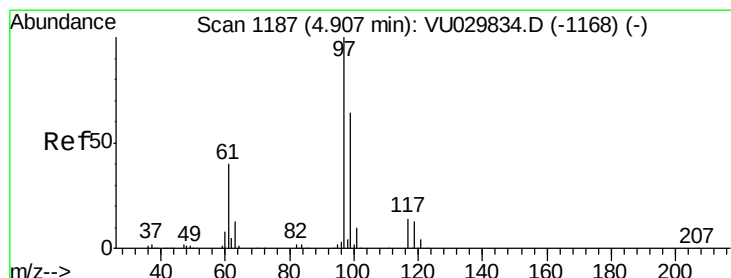
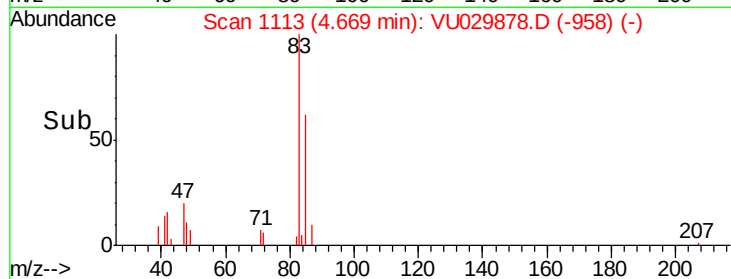
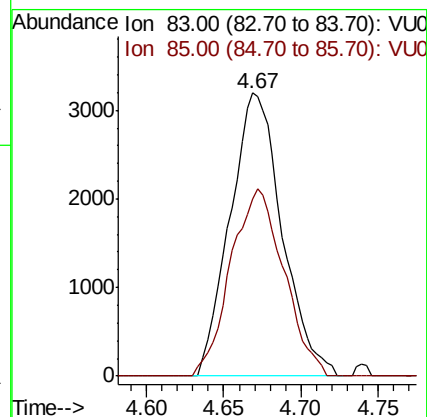
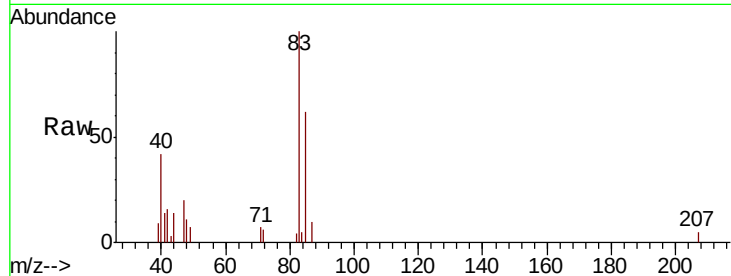




#27
Chloroform
Concen: 0.258 ug/l
RT: 4.67 min Scan# 1113
Delta R.T. -0.00 min
Lab File: VU029878.D
Acq: 08 Mar 2019 10:37

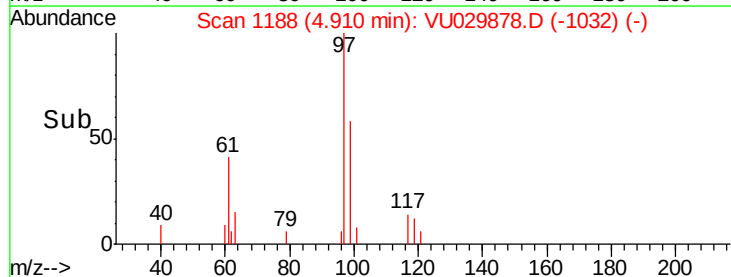
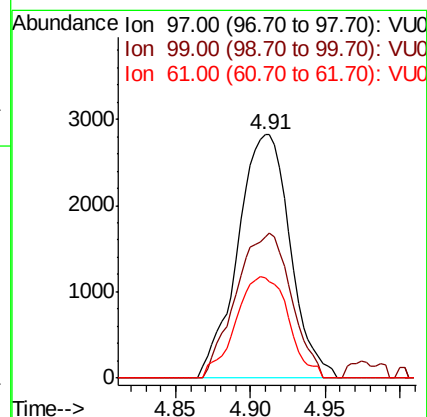
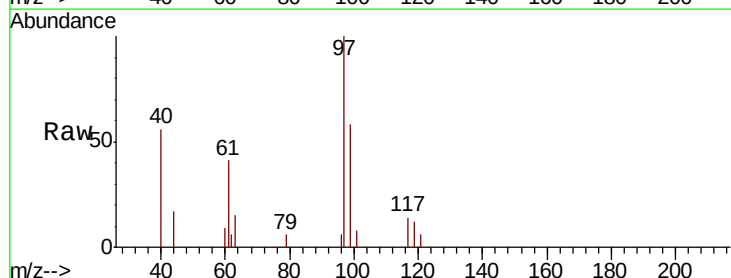
Instrument :
MSVOA_U
ClientSampleId :
MDL07

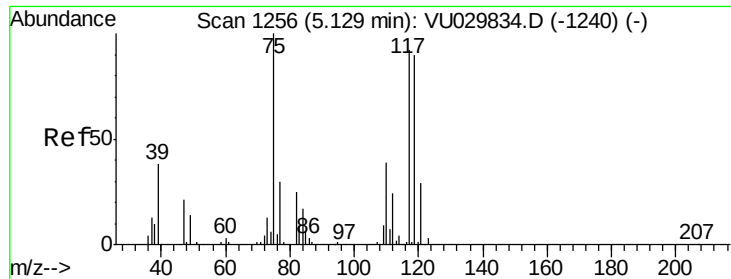
Tgt Ion: 83 Resp: 7482
Ion Ratio Lower Upper
83 100
85 62.4 0.0 133.2



#28
1,1,1-Trichloroethane
Concen: 0.280 ug/l
RT: 4.91 min Scan# 1188
Delta R.T. 0.00 min
Lab File: VU029878.D
Acq: 08 Mar 2019 10:37

Tgt Ion: 97 Resp: 6887
Ion Ratio Lower Upper
97 100
99 62.5 31.9 95.9
61 41.9 20.4 61.3





#29

1,1-Dichloropropene

Concen: 0.264 ug/l

RT: 5.13 min Scan# 1256

Delta R.T. -0.00 min

Lab File: VU029878.D

Acq: 08 Mar 2019 10:37

Instrument :

MSVOA_U

ClientSampleId :

MDL07

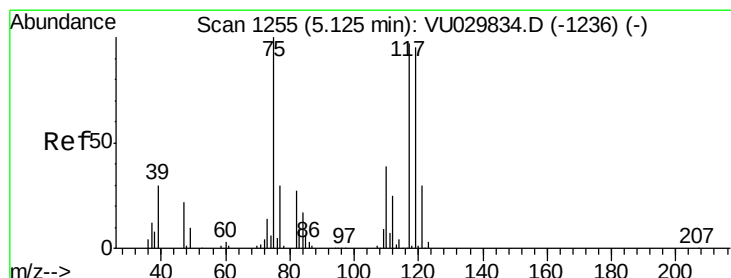
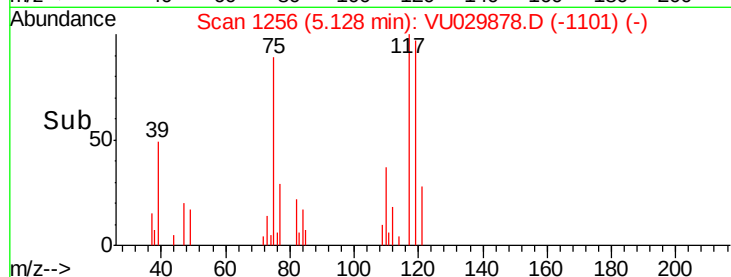
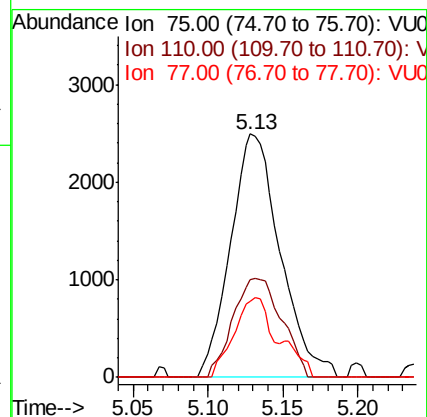
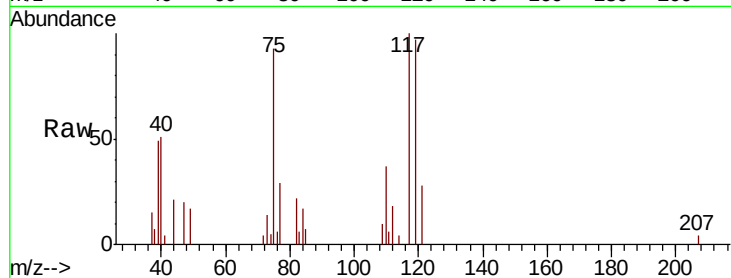
Tgt Ion: 75 Resp: 5770

Ion Ratio Lower Upper

75 100

110 39.8 19.1 57.5

77 23.9 23.9 35.9#



#30

Carbon Tetrachloride

Concen: 0.259 ug/l

RT: 5.13 min Scan# 1255

Delta R.T. -0.00 min

Lab File: VU029878.D

Acq: 08 Mar 2019 10:37

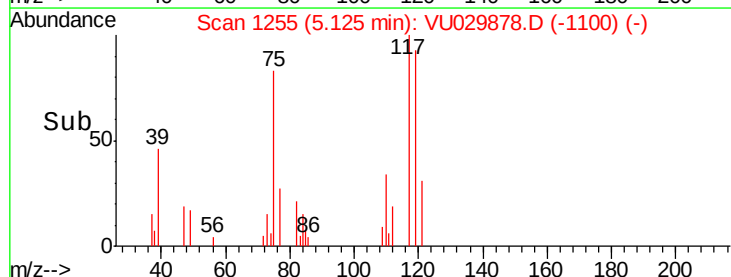
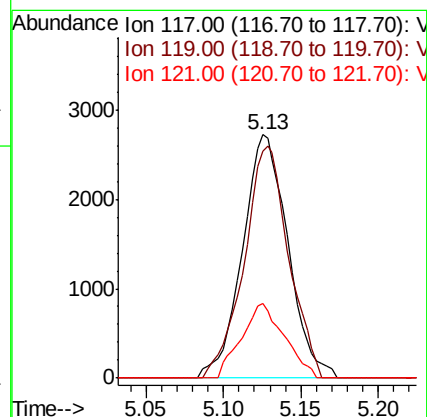
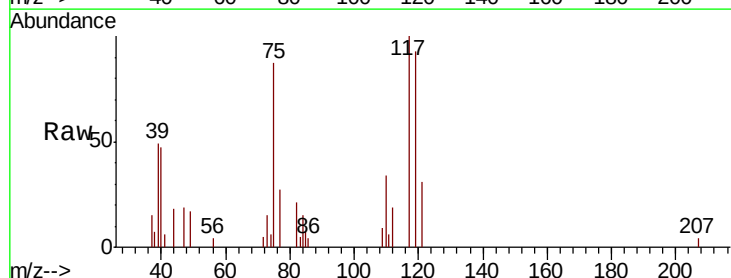
Tgt Ion: 117 Resp: 5567

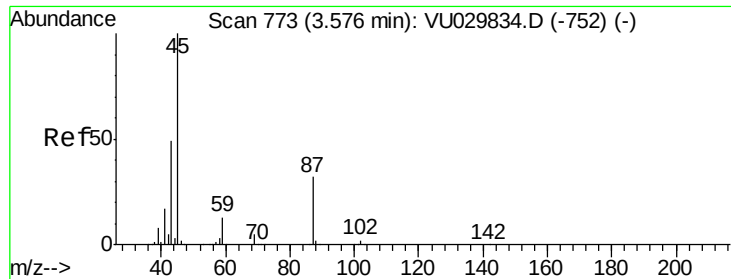
Ion Ratio Lower Upper

117 100

119 93.5 78.4 117.6

121 30.6 25.0 37.4





#31

Isopropyl Ether

Concen: 0.274 ug/l

RT: 3.58 min Scan# 773

Delta R.T. -0.00 min

Lab File: VU029878.D

Acq: 08 Mar 2019 10:37

Instrument :

MSVOA_U

ClientSampleId :

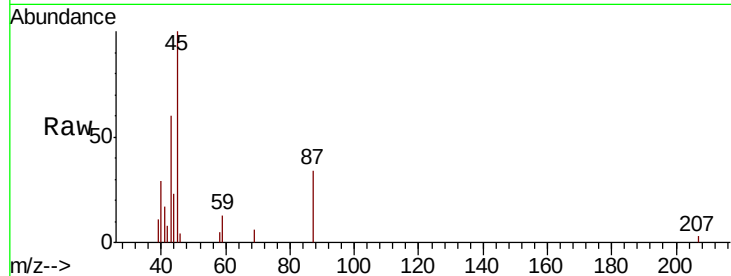
MDL07

Tgt Ion: 45 Resp: 10812

Ion Ratio Lower Upper

45 100

43 58.4 24.3 72.9



Abundance Ion 45.00 (44.70 to 45.70): VU029834.D (-752) (-)

Ion 43.00 (42.70 to 43.70): VU029834.D (-752) (-)

3.58

4000

3000

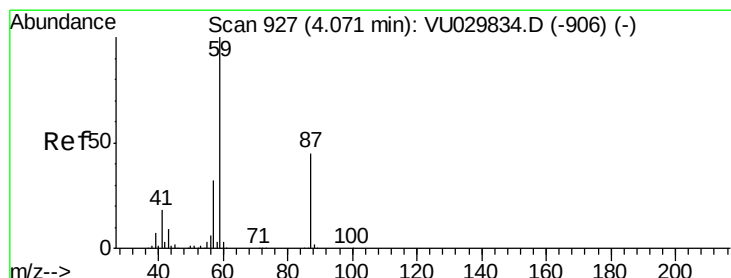
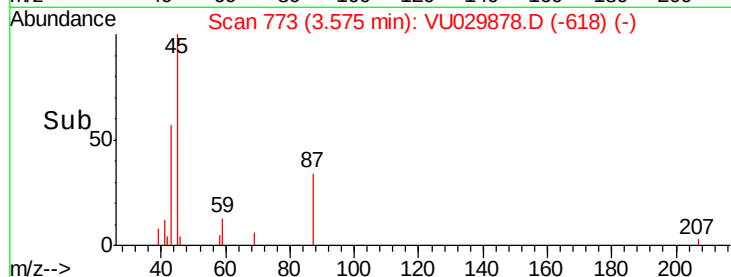
2000

1000

0

Time-->

3.50 3.55 3.60 3.65



#32

Ethyl-t-butyl ether

Concen: 0.245 ug/l

RT: 4.07 min Scan# 926

Delta R.T. -0.00 min

Lab File: VU029878.D

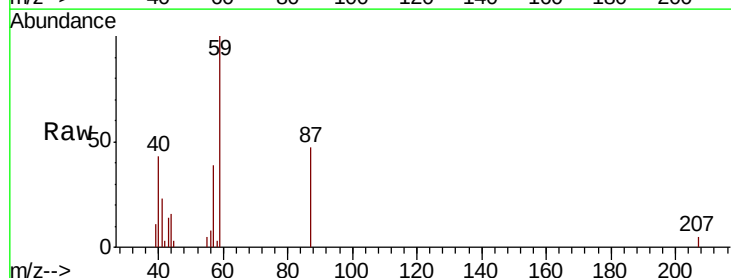
Acq: 08 Mar 2019 10:37

Tgt Ion: 59 Resp: 9397

Ion Ratio Lower Upper

59 100

87 25.0 36.2 54.4#



Abundance Ion 59.00 (58.70 to 59.70): VU029834.D (-906) (-)

Ion 87.00 (86.70 to 87.70): VU029834.D (-906) (-)

4.07

3000

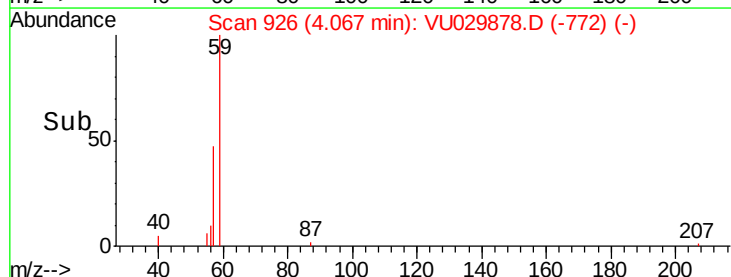
2000

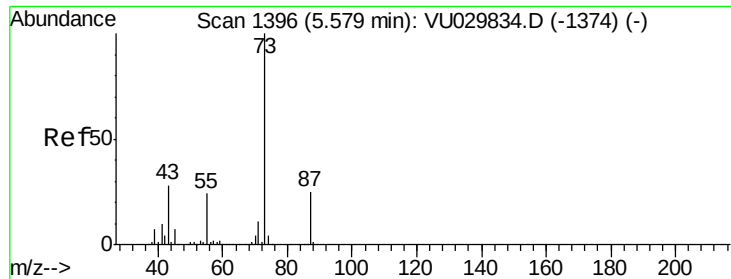
1000

0

Time-->

4.00 4.05 4.10 4.15

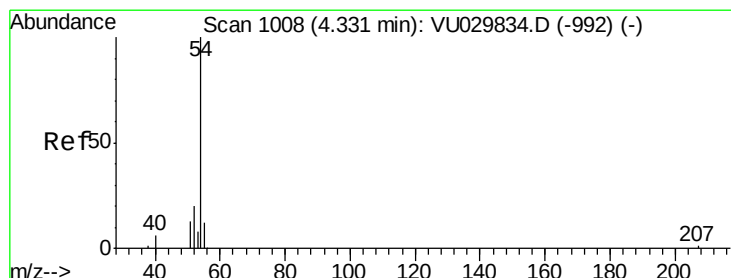
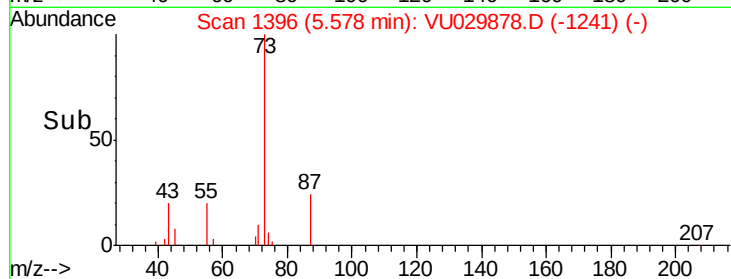
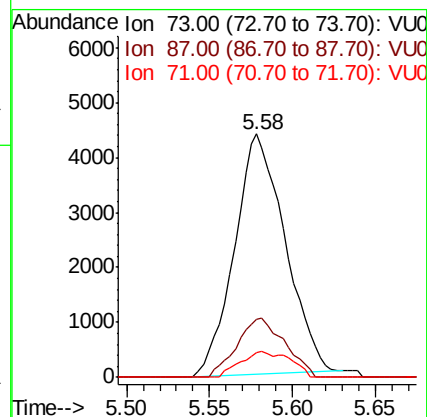
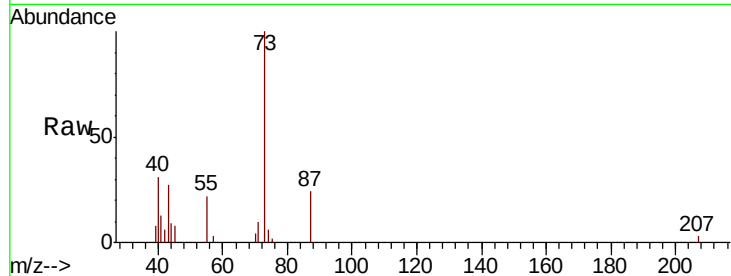




#33
 Tert-Amyl methyl ether
 Concen: 0.261 ug/l
 RT: 5.58 min Scan# 1396
 Delta R.T. -0.00 min
 Lab File: VU029878.D
 Acq: 08 Mar 2019 10:37

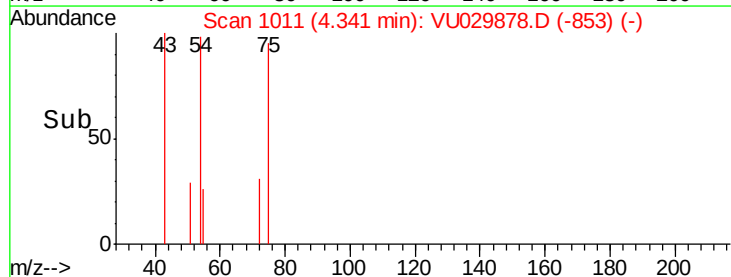
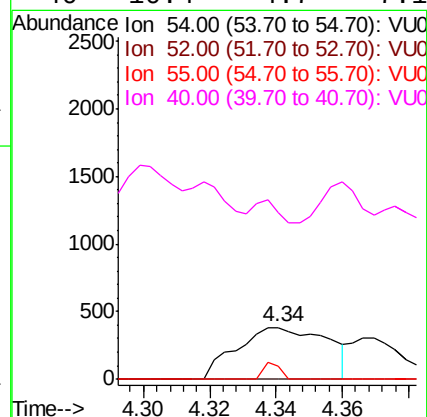
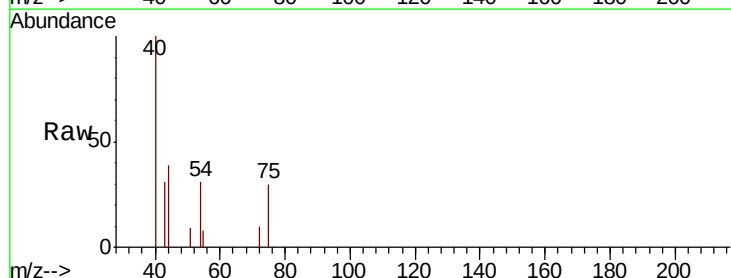
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL07

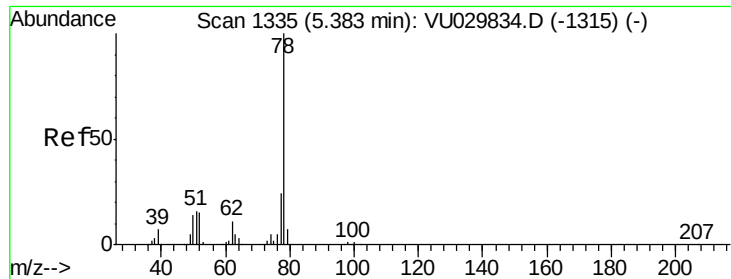
Tgt Ion: 73 Resp: 9284
 Ion Ratio Lower Upper
 73 100
 87 23.2 19.7 29.5
 71 10.4 9.4 14.2



#34
 Propionitrile
 Concen: 0.659 ug/l
 RT: 4.34 min Scan# 1011
 Delta R.T. 0.01 min
 Lab File: VU029878.D
 Acq: 08 Mar 2019 10:37

Tgt Ion: 54 Resp: 729
 Ion Ratio Lower Upper
 54 100
 52 0.0 16.1 24.1#
 55 5.9 11.2 16.8#
 40 10.4 4.7 7.1#





#35

Benzene

Concen: 0.253 ug/l

RT: 5.39 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU029878.D

Acq: 08 Mar 2019 10:37

Instrument :

MSVOA_U

ClientSampleId :

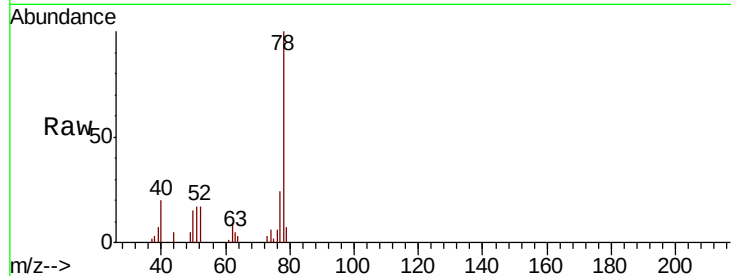
MDL07

Tgt Ion: 78 Resp: 16310

Ion Ratio Lower Upper

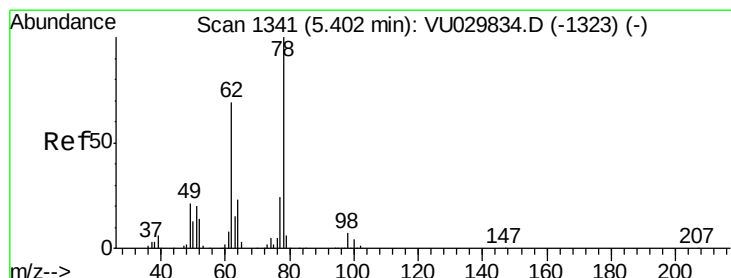
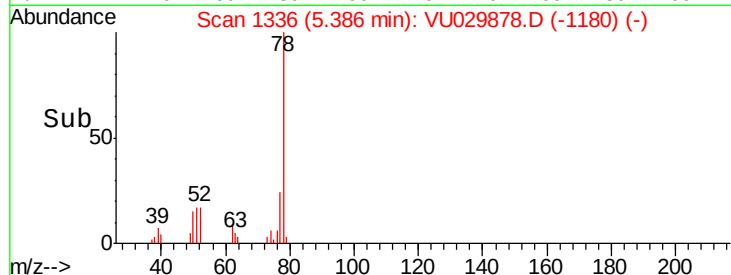
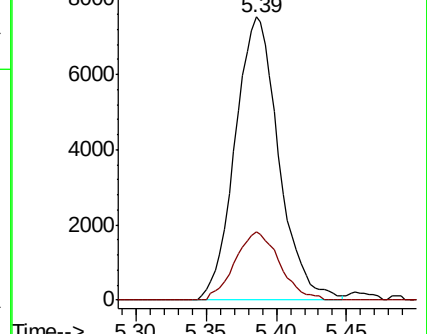
78 100

77 24.1 19.2 28.8



Abundance Ion 78.10 (77.80 to 78.80): VU0

Ion 77.00 (76.70 to 77.70): VU0



#36

1,2-Dichloroethane

Concen: 0.262 ug/l

RT: 5.40 min Scan# 1341

Delta R.T. -0.00 min

Lab File: VU029878.D

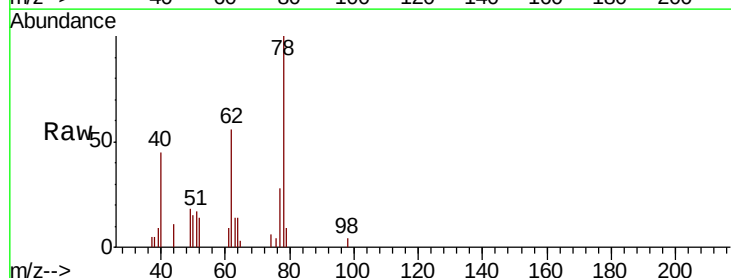
Acq: 08 Mar 2019 10:37

Tgt Ion: 62 Resp: 4603

Ion Ratio Lower Upper

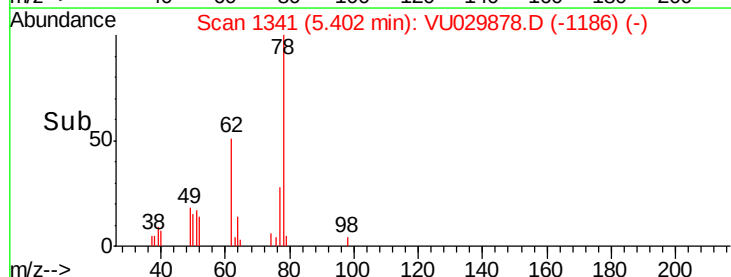
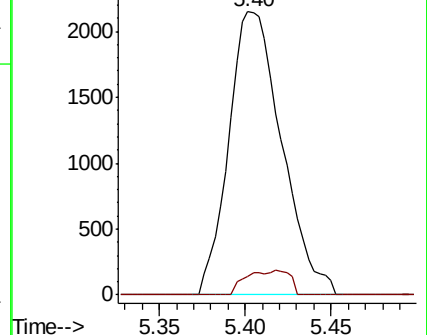
62 100

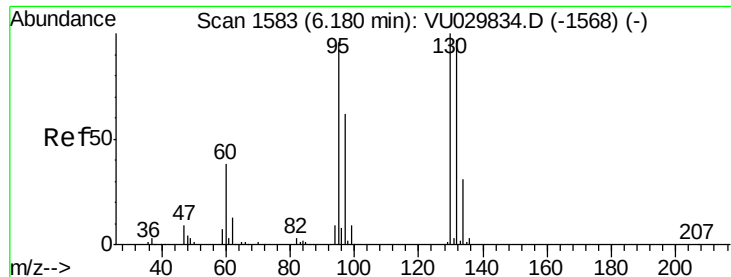
98 3.6 8.2 12.2#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#37

Trichloroethene

Concen: 0.273 ug/l

RT: 6.19 min Scan# 1585

Delta R.T. 0.01 min

Lab File: VU029878.D

Acq: 08 Mar 2019 10:37

Instrument :

MSVOA_U

ClientSampleId :

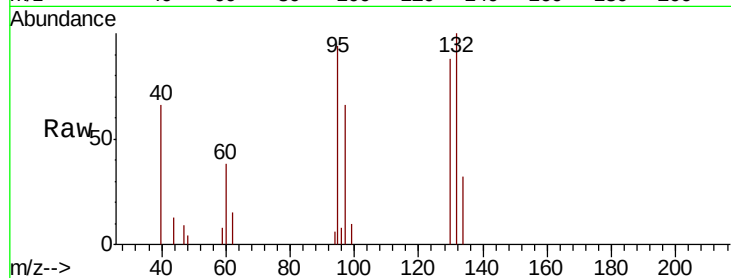
MDL07

Tgt Ion:130 Resp: 5138

Ion Ratio Lower Upper

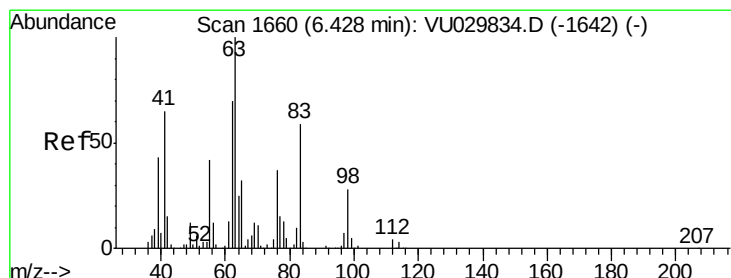
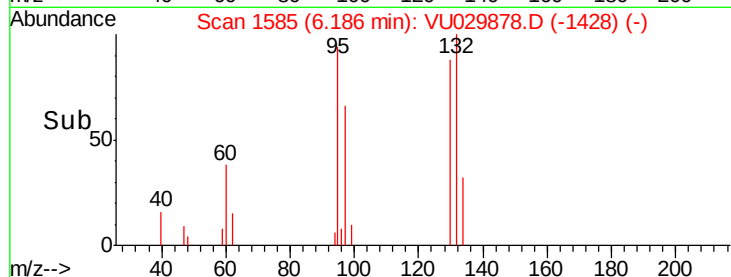
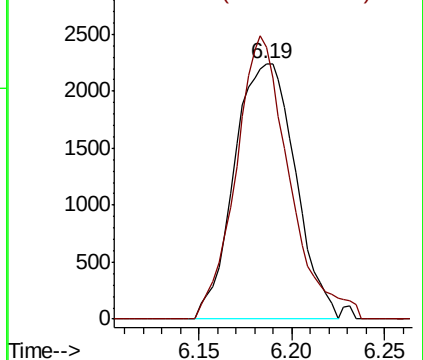
130 100

95 106.7 76.6 114.8



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VU0



#38

1,2-Dichloropropane

Concen: 0.255 ug/l

RT: 6.43 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VU029878.D

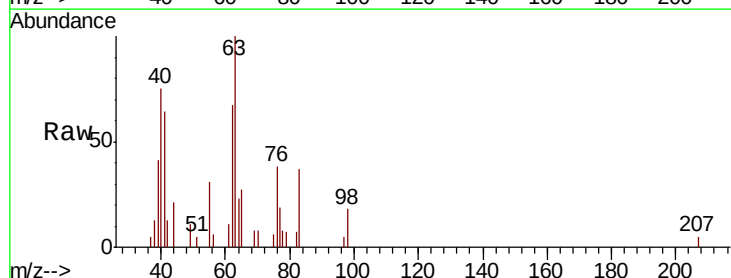
Acq: 08 Mar 2019 10:37

Tgt Ion: 63 Resp: 4157

Ion Ratio Lower Upper

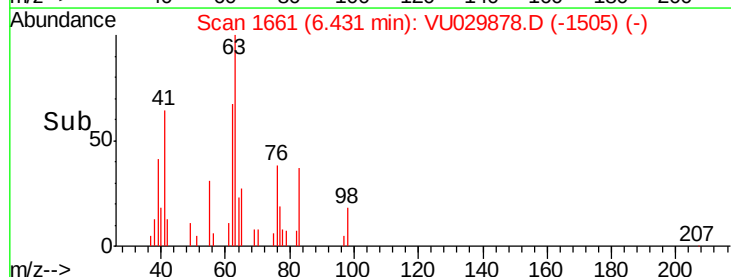
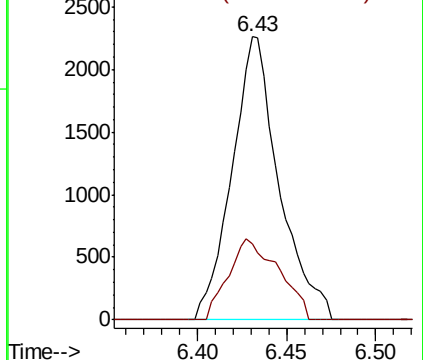
63 100

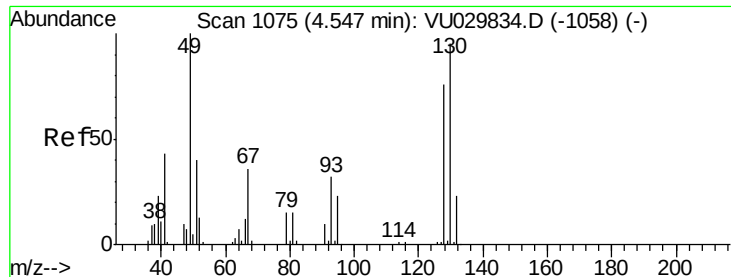
65 27.1 25.4 38.2



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 65.00 (64.70 to 65.70): VU0

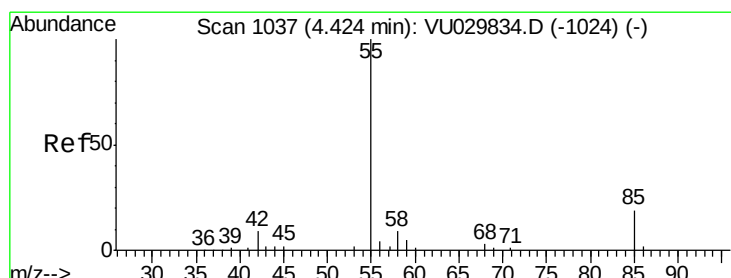
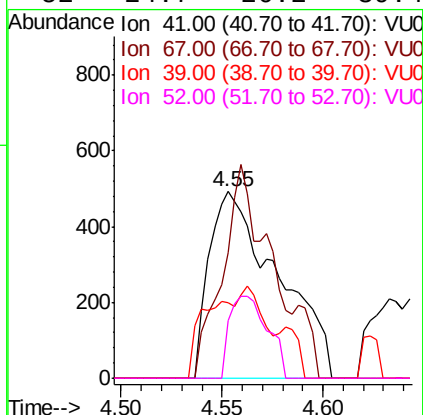
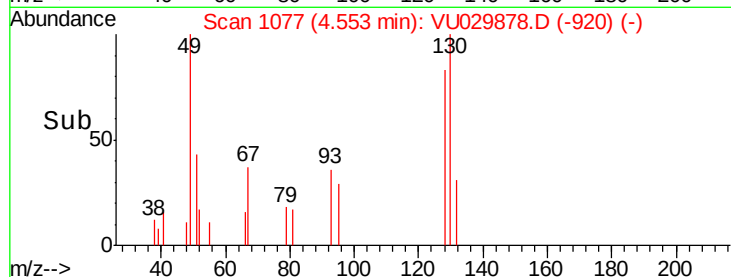
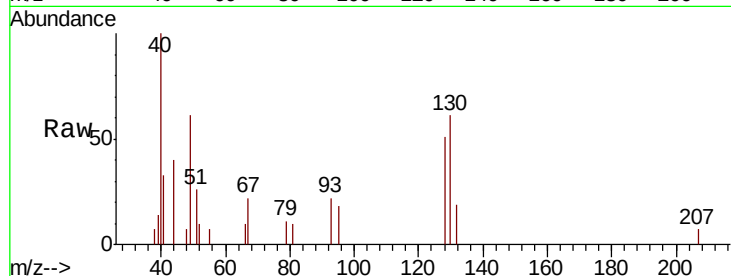




#39
Methacrylonitrile
Concen: 0.249 ug/l
RT: 4.55 min Scan# 1077
Delta R.T. 0.01 min
Lab File: VU029878.D
Acq: 08 Mar 2019 10:37

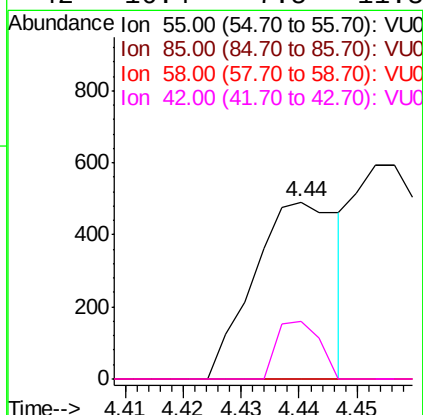
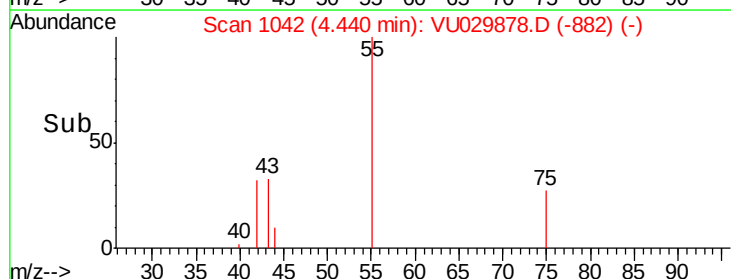
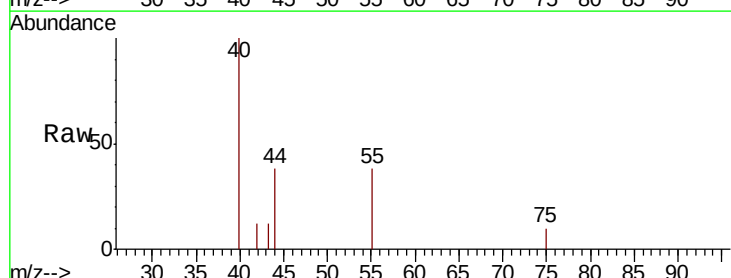
Instrument :
MSVOA_U
ClientSampleId :
MDL07

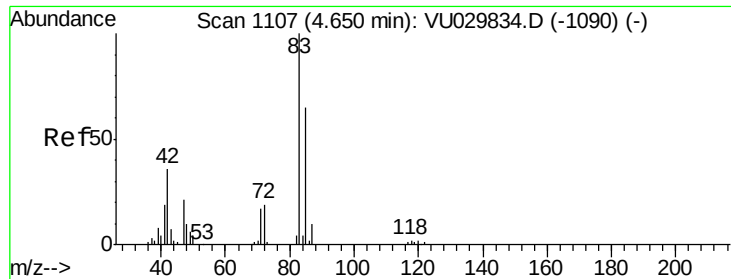
Tgt Ion: 41 Resp: 1160
Ion Ratio Lower Upper
41 100
67 85.2 68.4 102.6
39 39.5 42.6 63.8#
52 24.7 26.2 39.4#



#40
Methyl acrylate
Concen: 0.068 ug/l
RT: 4.44 min Scan# 1042
Delta R.T. 0.02 min
Lab File: VU029878.D
Acq: 08 Mar 2019 10:37

Tgt Ion: 55 Resp: 500
Ion Ratio Lower Upper
55 100
85 0.0 15.2 22.8#
58 0.0 7.6 11.4#
42 16.4 7.5 11.3#





#41

Tetrahydrofuran

Concen: 0.565 ug/l

RT: 4.67 min Scan# 1113

Delta R.T. 0.02 min

Lab File: VU029878.D

Acq: 08 Mar 2019 10:37

Instrument :

MSVOA_U

ClientSampleId :

MDL07

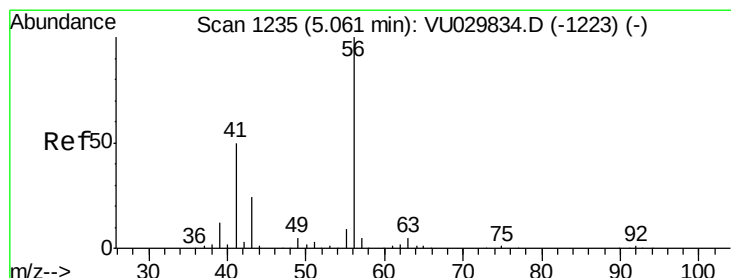
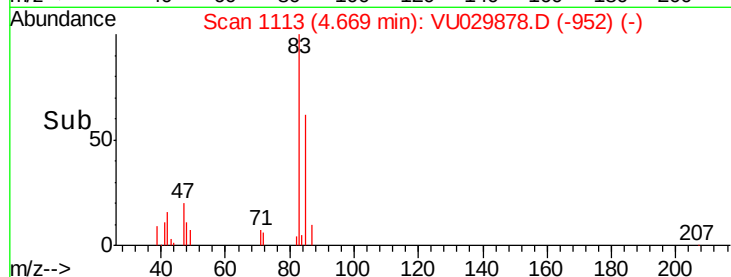
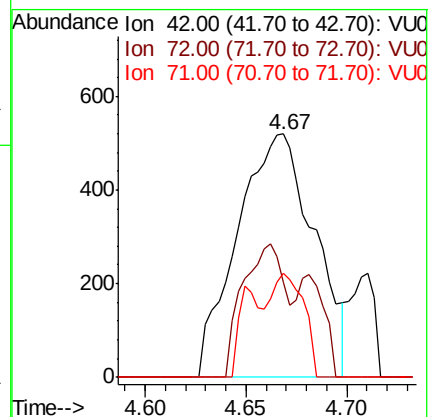
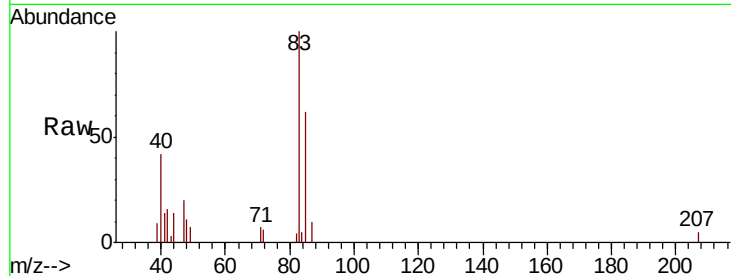
Tgt Ion: 42 Resp: 1376

Ion Ratio Lower Upper

42 100

72 30.2 43.6 65.4#

71 18.0 37.5 56.3#



#42

1-Chlorobutane

Concen: 0.232 ug/l

RT: 5.06 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VU029878.D

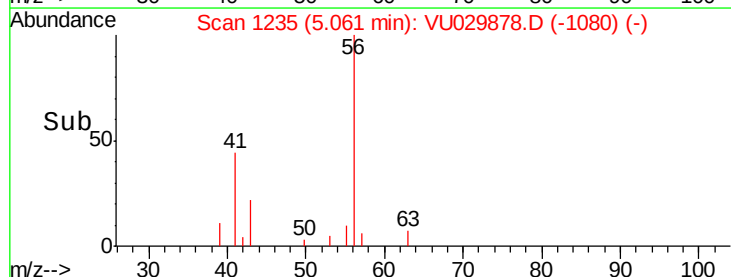
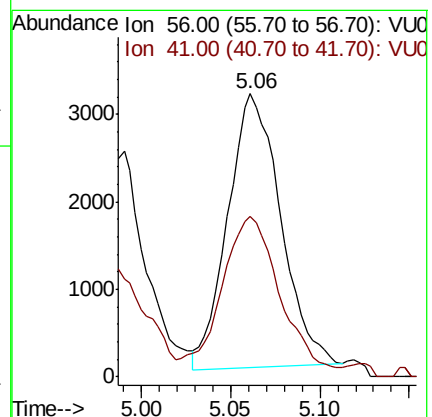
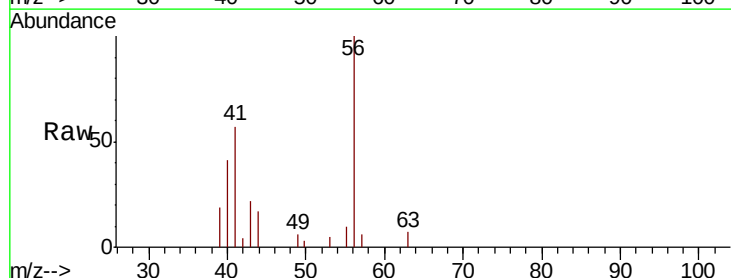
Acq: 08 Mar 2019 10:37

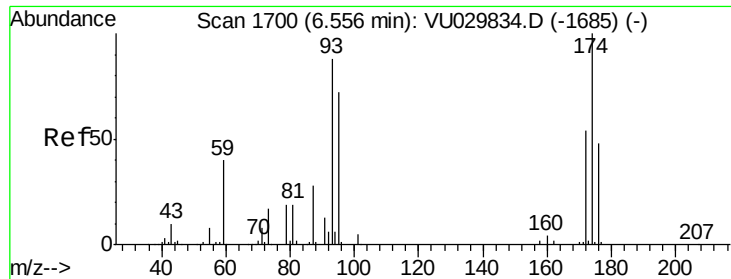
Tgt Ion: 56 Resp: 6480

Ion Ratio Lower Upper

56 100

41 65.8 25.0 75.0





#43

Dibromomethane

Concen: 0.252 ug/l

RT: 6.56 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VU029878.D

Acq: 08 Mar 2019 10:37

Instrument :

MSVOA_U

ClientSampleId :

MDL07

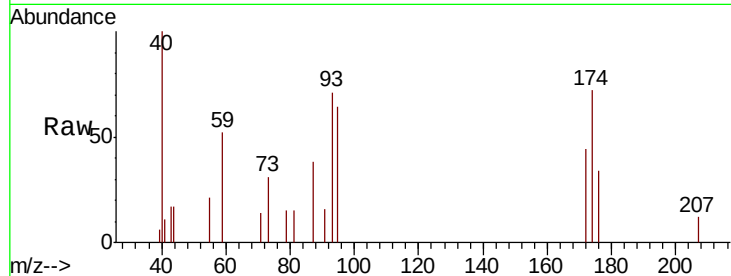
Tgt Ion: 93 Resp: 2125

Ion Ratio Lower Upper

93 100

95 88.4 67.0 100.6

174 107.8 91.4 137.2



Abundance Ion 93.00 (92.70 to 93.70): VU0

Ion 95.00 (94.70 to 95.70): VU0

Ion 174.00 (173.70 to 174.70): V

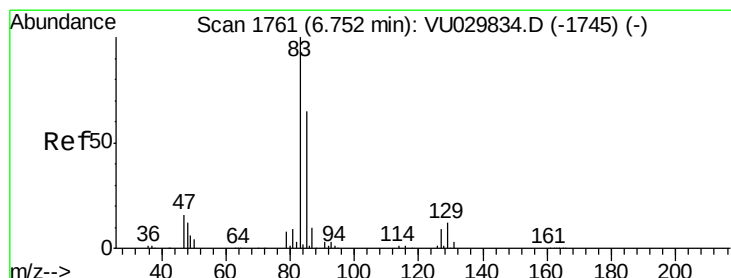
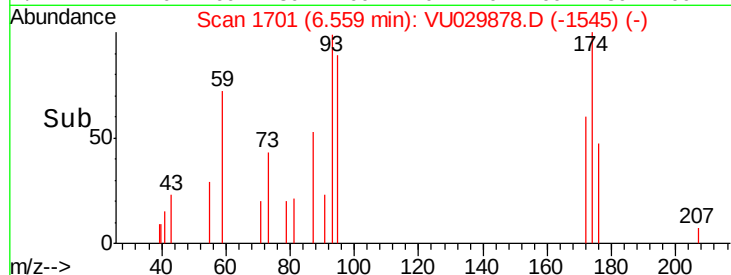
6.56

1000

500

0

Time--> 6.50 6.55 6.60



#44

Bromodichloromethane

Concen: 0.232 ug/l

RT: 6.76 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VU029878.D

Acq: 08 Mar 2019 10:37

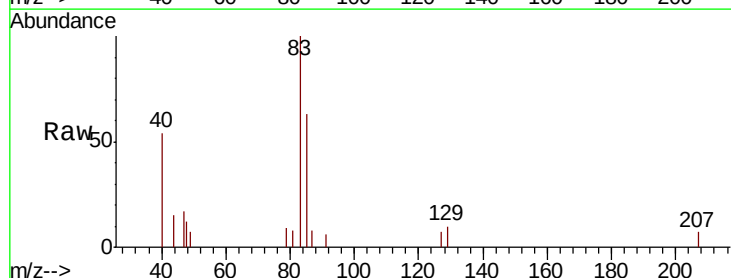
Tgt Ion: 83 Resp: 4822

Ion Ratio Lower Upper

83 100

85 62.5 51.7 77.5

127 7.5 7.4 11.2



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 127.00 (126.70 to 127.70): V

6.76

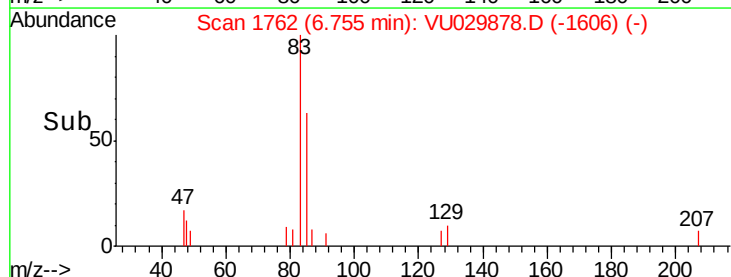
3000

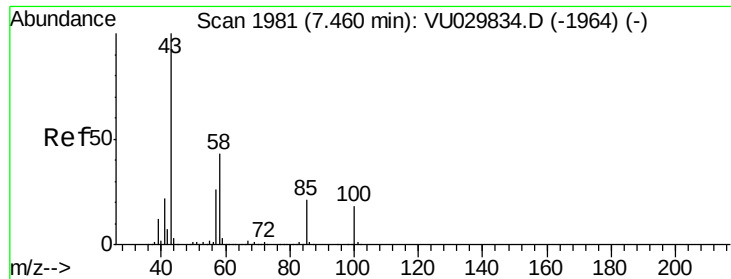
2000

1000

0

Time--> 6.70 6.75 6.80

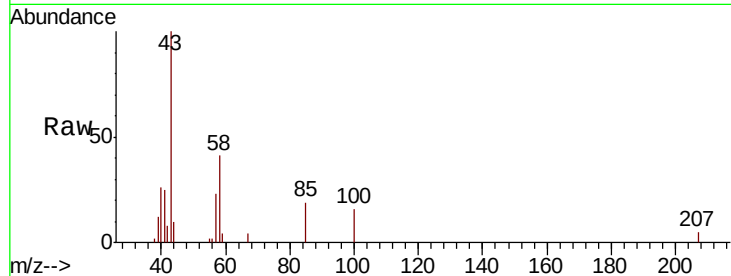




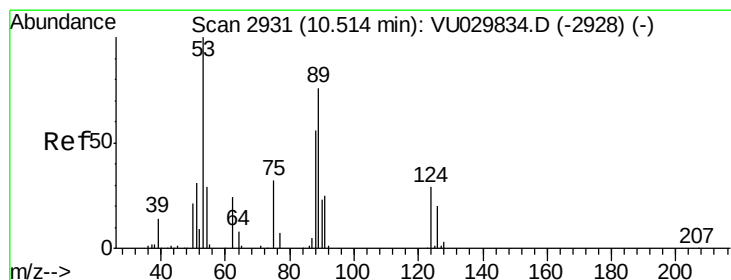
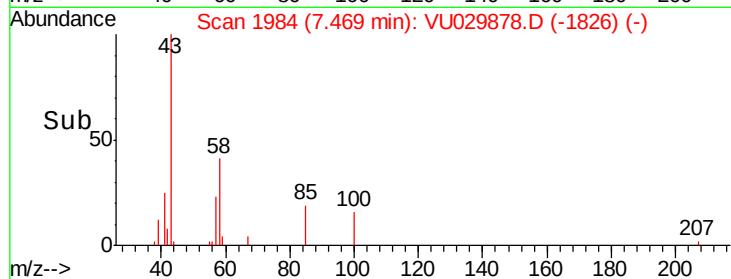
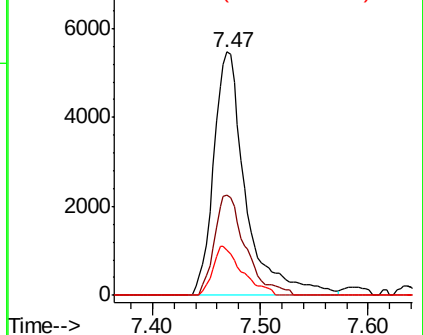
#45
 4-Methyl-2-Pentanone
 Concen: 1.284 ug/l
 RT: 7.47 min Scan# 1984
 Delta R.T. 0.01 min
 Lab File: VU029878.D
 Acq: 08 Mar 2019 10:37

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL07

Tgt Ion: 43 Resp: 11307
 Ion Ratio Lower Upper
 43 100
 58 40.0 21.6 65.0
 85 18.4 16.5 24.7

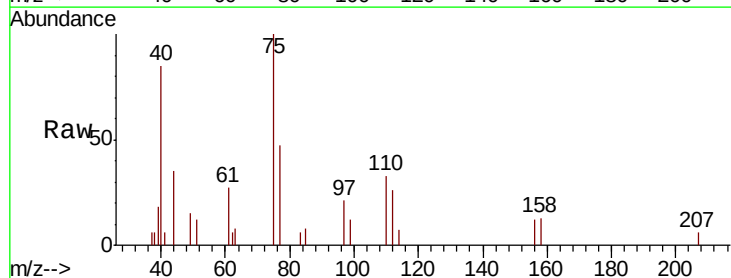


Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 58.00 (57.70 to 58.70): VU0
 Ion 85.00 (84.70 to 85.70): VU0

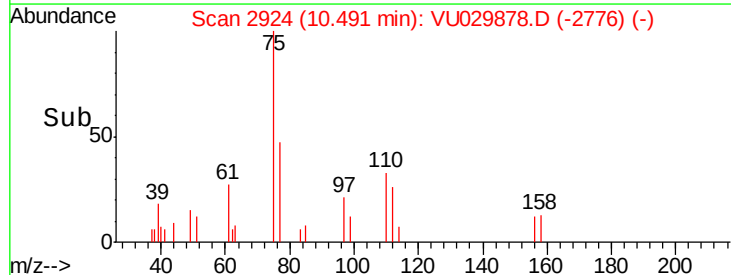
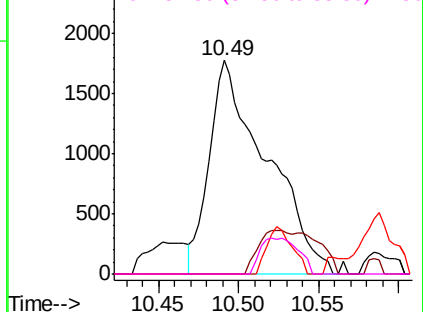


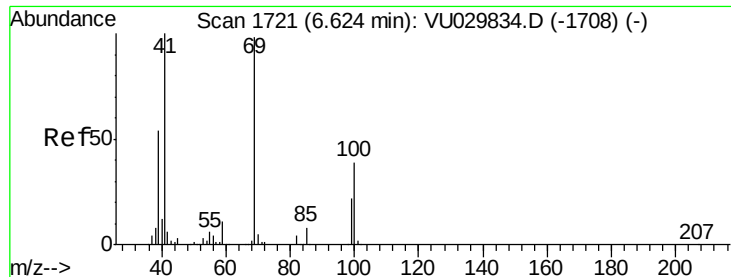
#46
 t-1,4-Dichloro-2-butene
 Concen: 1.187 ug/l
 RT: 10.49 min Scan# 2924
 Delta R.T. -0.02 min
 Lab File: VU029878.D
 Acq: 08 Mar 2019 10:37

Tgt Ion: 75 Resp: 4372
 Ion Ratio Lower Upper
 75 100
 53 21.2 59.2 88.8#
 89 9.8 44.9 67.3#
 88 11.2 32.2 48.2#



Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 53.00 (52.70 to 53.70): VU0
 Ion 88.80 (88.50 to 89.50): VU0
 Ion 87.80 (87.50 to 88.50): VU0

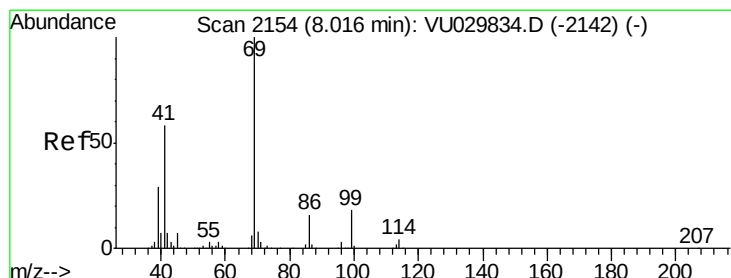
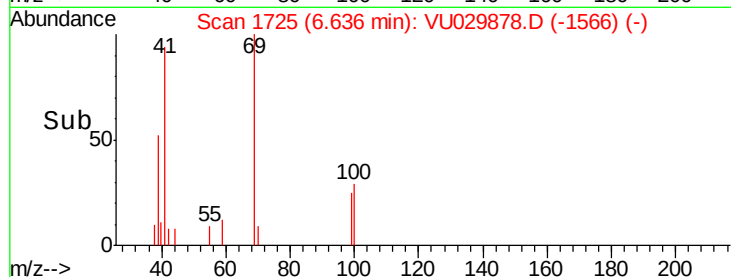
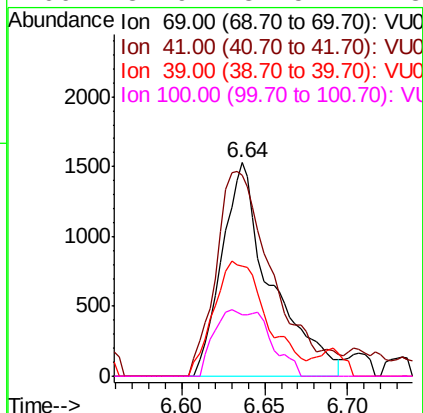
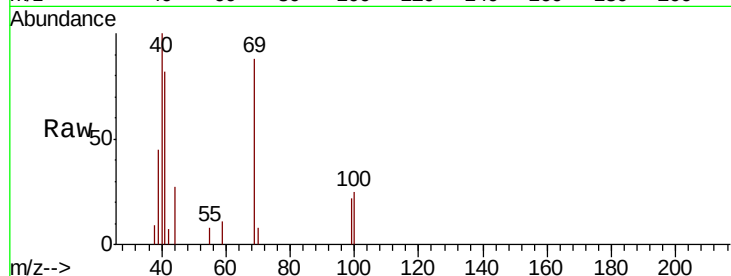




#47
Methyl methacrylate
Concen: 0.436 ug/l
RT: 6.64 min Scan# 1725
Delta R.T. 0.01 min
Lab File: VU029878.D
Acq: 08 Mar 2019 10:37

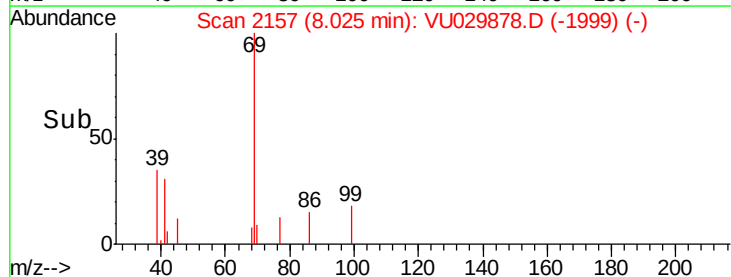
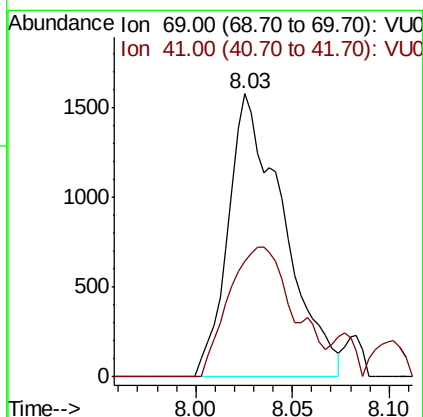
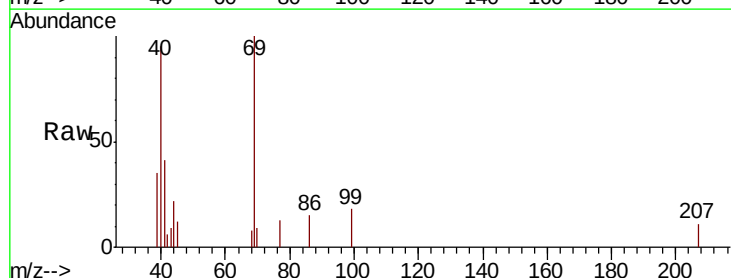
Instrument :
MSVOA_U
ClientSampleId :
MDL07

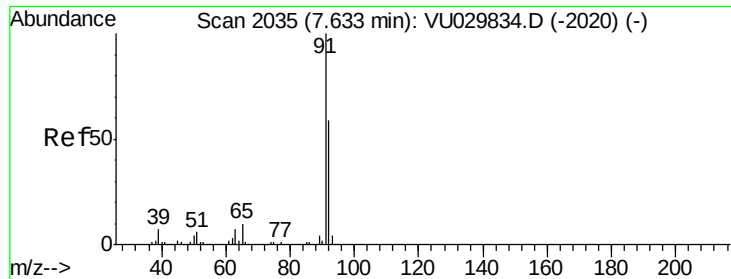
Tgt Ion: 69 Resp: 3161
Ion Ratio Lower Upper
69 100
41 108.3 0.0 201.0
39 58.7 43.3 64.9
100 34.9 31.5 47.3



#48
Ethyl methacrylate
Concen: 0.225 ug/l
RT: 8.03 min Scan# 2157
Delta R.T. 0.01 min
Lab File: VU029878.D
Acq: 08 Mar 2019 10:37

Tgt Ion: 69 Resp: 3122
Ion Ratio Lower Upper
69 100
41 54.2 29.0 87.1





#49

Toluene

Concen: 0.251 ug/l

RT: 7.64 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VU029878.D

Acq: 08 Mar 2019 10:37

Instrument :

MSVOA_U

ClientSampleId :

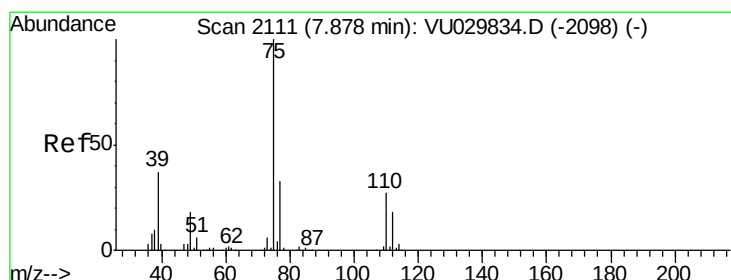
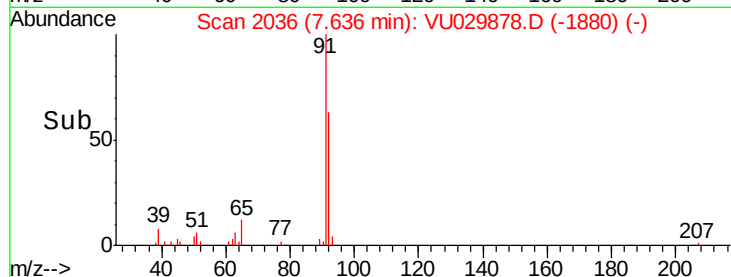
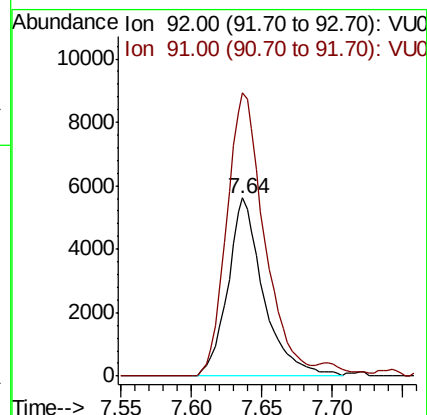
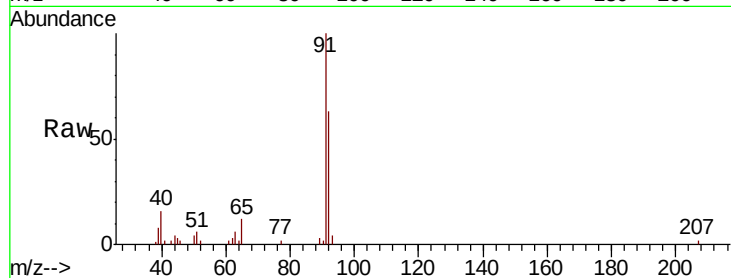
MDL07

Tgt Ion: 92 Resp: 9913

Ion Ratio Lower Upper

92 100

91 167.1 137.8 206.8



#50

t-1,3-Dichloropropene

Concen: 0.210 ug/l

RT: 7.89 min Scan# 2115

Delta R.T. 0.01 min

Lab File: VU029878.D

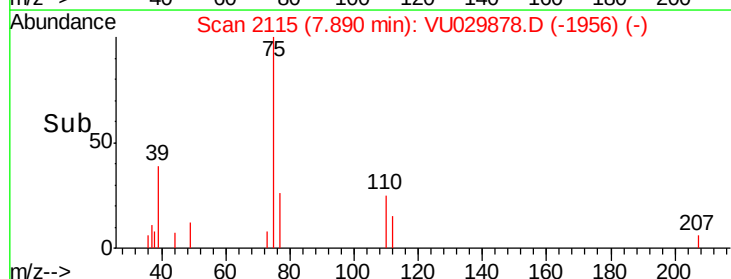
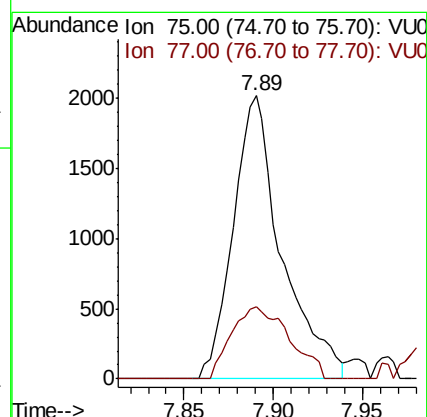
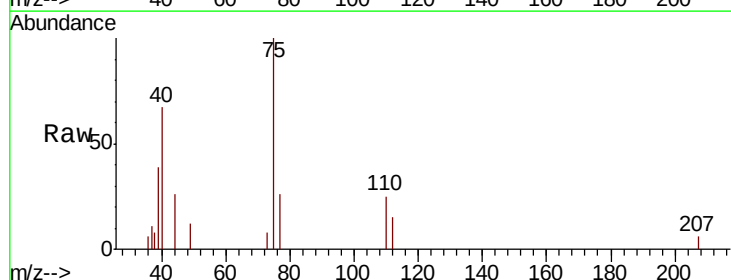
Acq: 08 Mar 2019 10:37

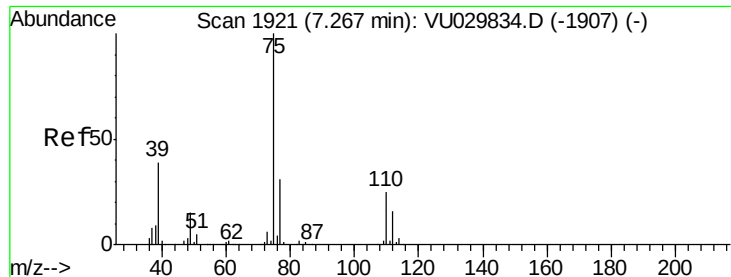
Tgt Ion: 75 Resp: 3810

Ion Ratio Lower Upper

75 100

77 25.7 26.4 39.6#

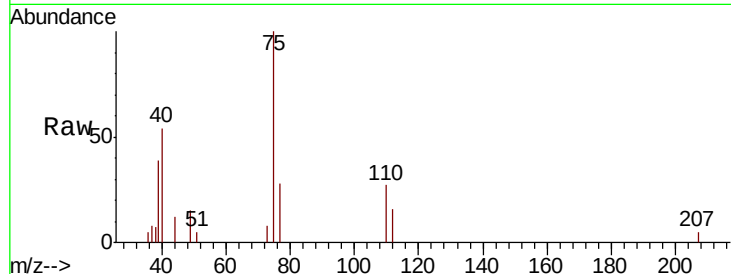




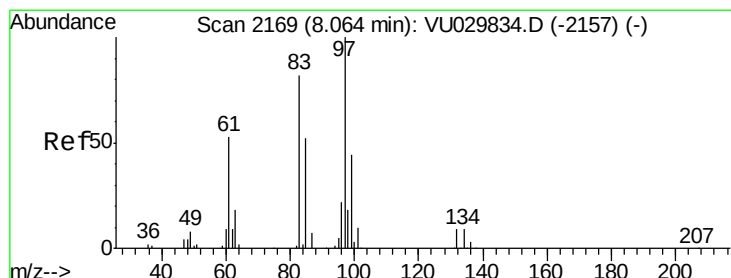
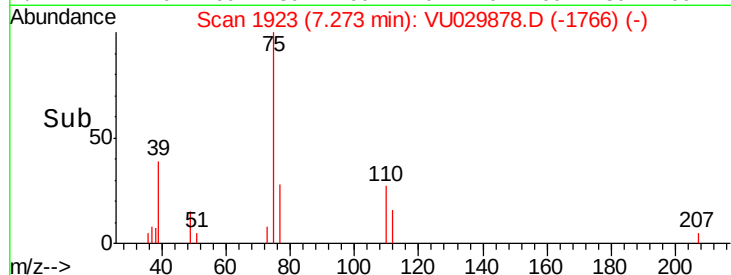
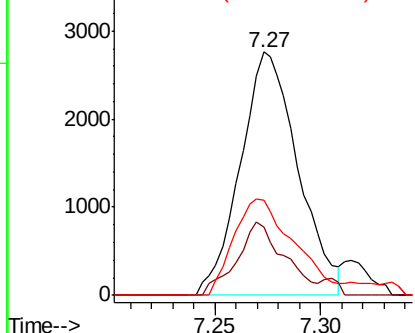
#51
 cis-1,3-Dichloropropene
 Concen: 0.232 ug/l
 RT: 7.27 min Scan# 1923
 Delta R.T. 0.01 min
 Lab File: VU029878.D
 Acq: 08 Mar 2019 10:37

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL07

Tgt Ion: 75 Resp: 5230
 Ion Ratio Lower Upper
 75 100
 77 28.2 24.9 37.3
 39 39.1 30.8 46.2

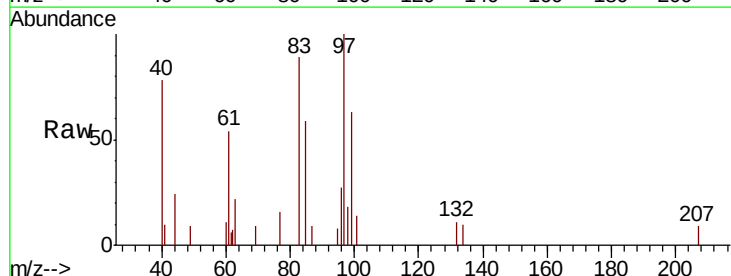


Abundance Ion 75.00 (74.70 to 75.70): VU0
 Ion 77.00 (76.70 to 77.70): VU0
 Ion 39.00 (38.70 to 39.70): VU0

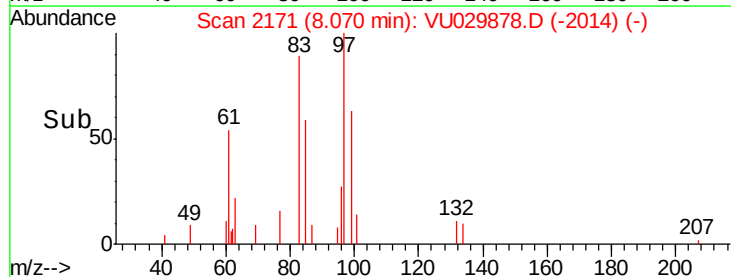
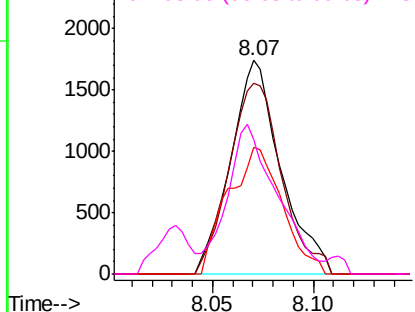


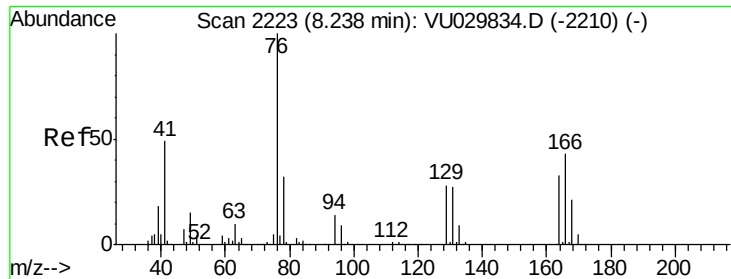
#52
 1,1,2-Trichloroethane
 Concen: 0.243 ug/l
 RT: 8.07 min Scan# 2171
 Delta R.T. 0.01 min
 Lab File: VU029878.D
 Acq: 08 Mar 2019 10:37

Tgt Ion: 97 Resp: 3034
 Ion Ratio Lower Upper
 97 100
 83 89.0 65.9 98.9
 85 59.1 43.0 64.6
 99 54.8 49.7 74.5



Abundance Ion 97.00 (96.70 to 97.70): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 84.95 (84.65 to 85.65): VU0
 Ion 98.95 (98.65 to 99.65): VU0





#53

1,3-Dichloropropane

Concen: 0.243 ug/l

RT: 8.24 min Scan# 2225

Delta R.T. 0.01 min

Lab File: VU029878.D

Acq: 08 Mar 2019 10:37

Instrument :

MSVOA_U

ClientSampled :

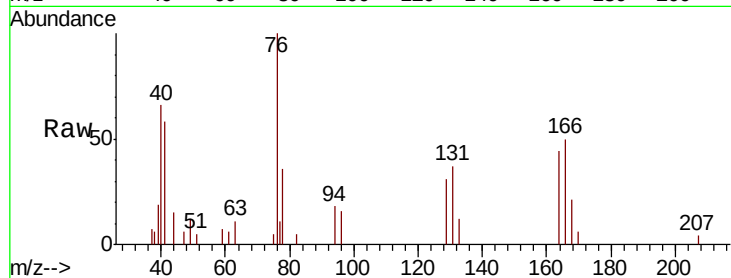
MDL07

Tgt Ion: 76 Resp: 4979

Ion Ratio Lower Upper

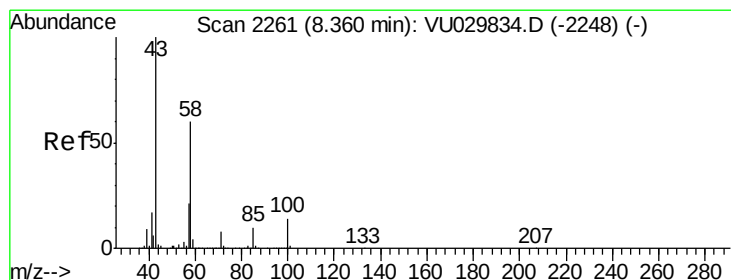
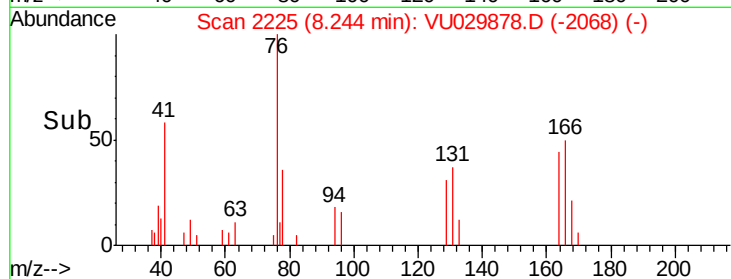
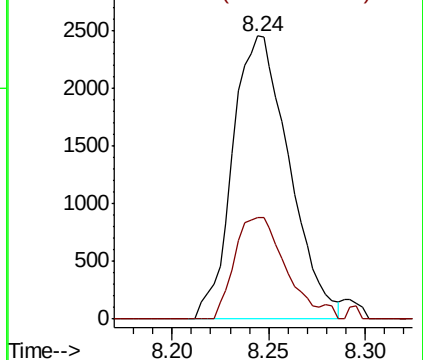
76 100

78 32.8 25.7 38.5



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0



#54

2-Hexanone

Concen: 1.253 ug/l

RT: 8.38 min Scan# 2266

Delta R.T. 0.02 min

Lab File: VU029878.D

Acq: 08 Mar 2019 10:37

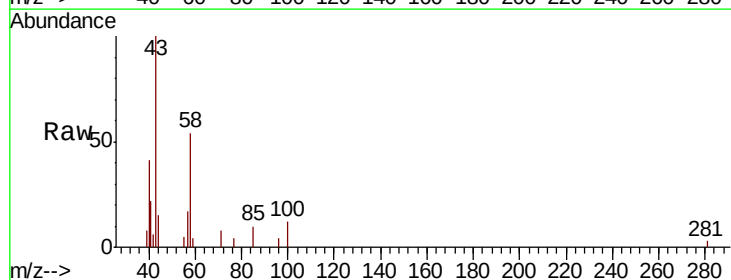
Tgt Ion: 43 Resp: 7664

Ion Ratio Lower Upper

43 100

58 51.3 39.6 79.6

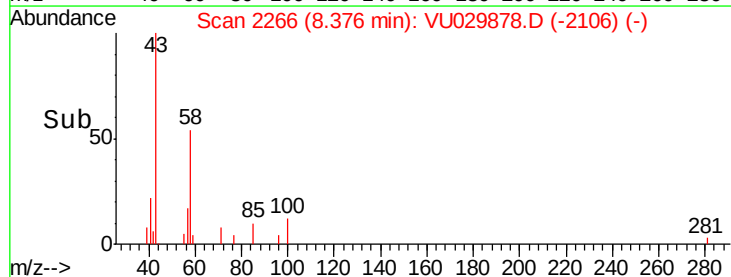
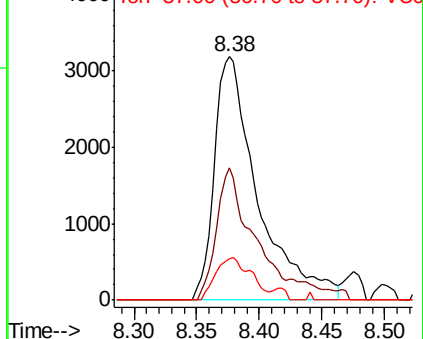
57 14.2 0.5 40.5

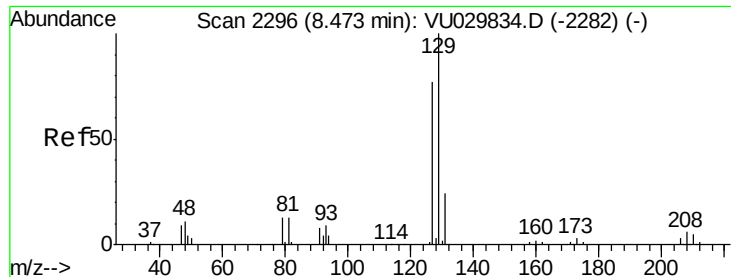


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 57.00 (56.70 to 57.70): VU0





#55

Dibromochloromethane

Concen: 0.246 ug/l

RT: 8.48 min Scan# 2298

Delta R.T. 0.01 min

Lab File: VU029878.D

Acq: 08 Mar 2019 10:37

Instrument :

MSVOA_U

ClientSampleId :

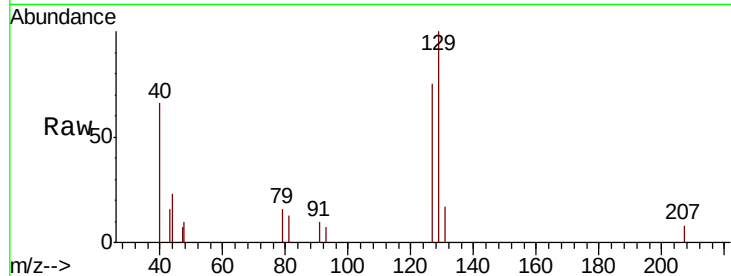
MDL07

Tgt Ion:129 Resp: 3651

Ion Ratio Lower Upper

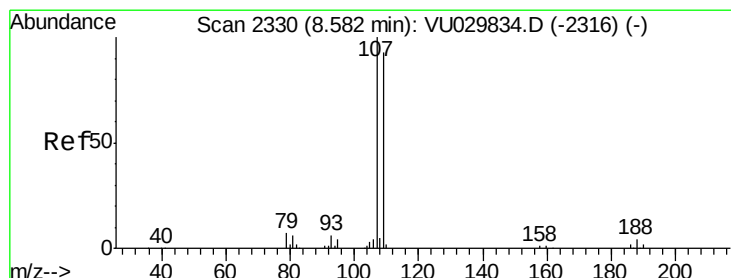
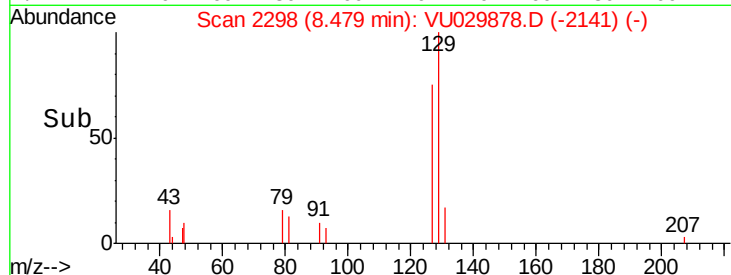
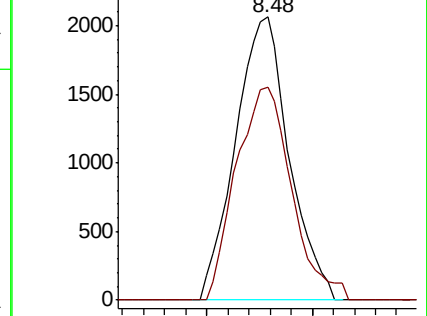
129 100

127 78.0 61.6 92.4



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#56

1,2-Dibromoethane

Concen: 0.266 ug/l

RT: 8.59 min Scan# 2332

Delta R.T. 0.01 min

Lab File: VU029878.D

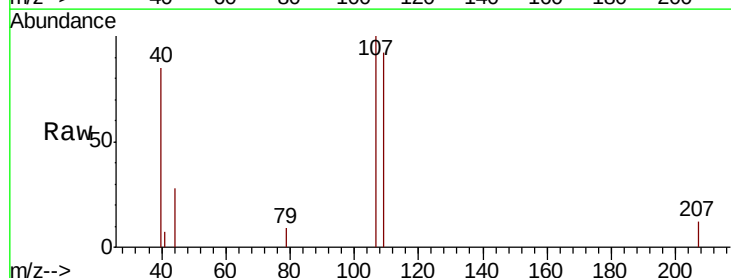
Acq: 08 Mar 2019 10:37

Tgt Ion:107 Resp: 3156

Ion Ratio Lower Upper

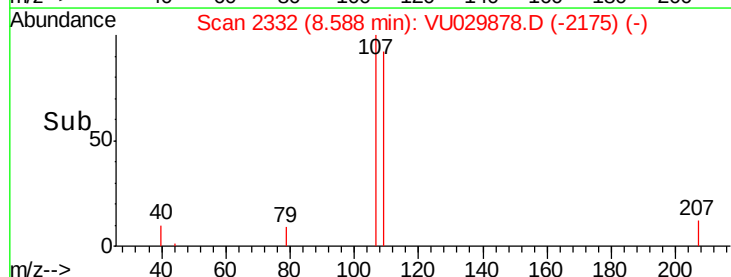
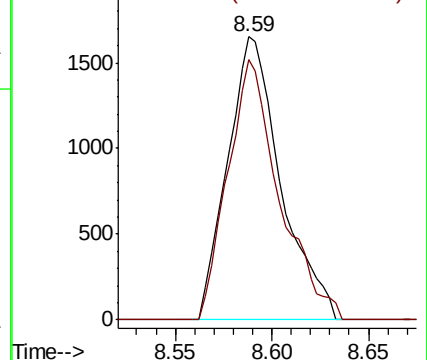
107 100

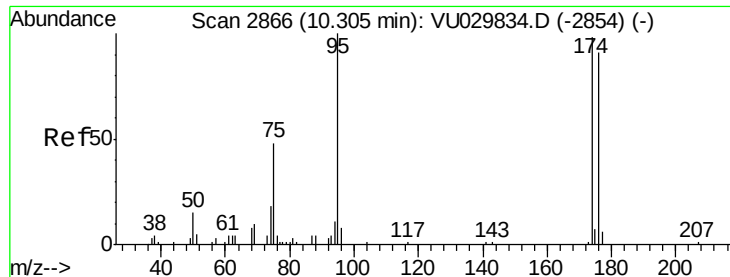
109 89.1 0.0 188.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#57

4-Bromofluorobenzene

Concen: 0.266 ug/l

RT: 10.31 min Scan# 2867

Delta R.T. 0.00 min

Lab File: VU029878.D

Acq: 08 Mar 2019 10:37

Instrument :

MSVOA_U

ClientSampleId :

MDL07

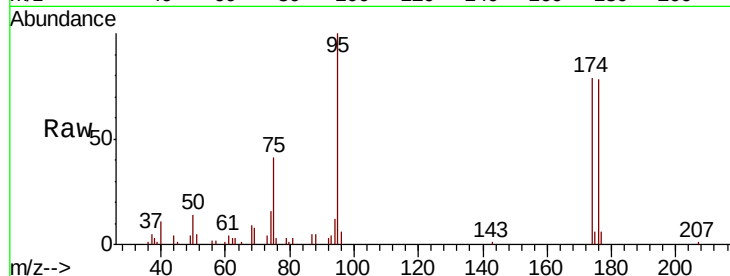
Tgt Ion: 95 Resp: 19747

Ion Ratio Lower Upper

95 100

174 81.6 76.5 114.7

176 85.8 74.2 111.2

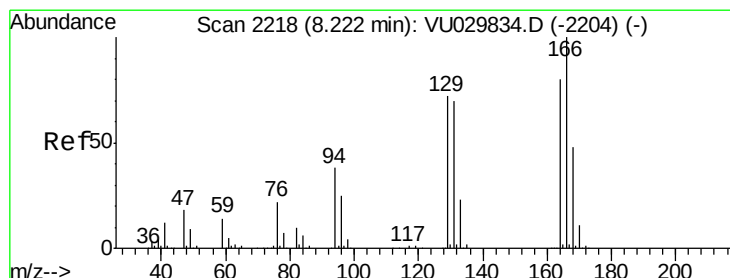
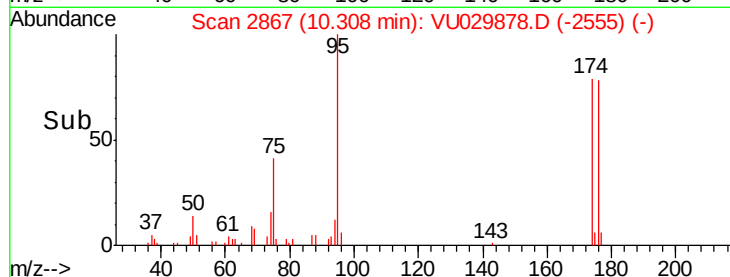
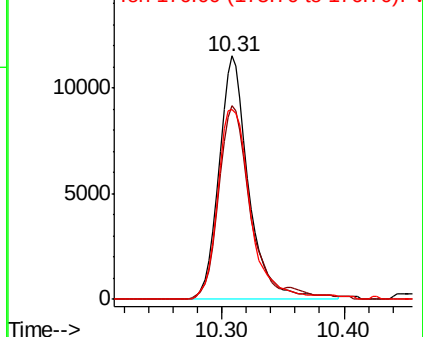


Abundance

Ion 95.00 (94.70 to 95.70): VU029878.D (-2555) (-)

Ion 174.00 (173.70 to 174.70): VU029878.D (-2555) (-)

Ion 176.00 (175.70 to 176.70): VU029878.D (-2555) (-)



#58

Tetrachloroethene

Concen: 0.350 ug/l

RT: 8.22 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VU029878.D

Acq: 08 Mar 2019 10:37

Tgt Ion: 164 Resp: 6728

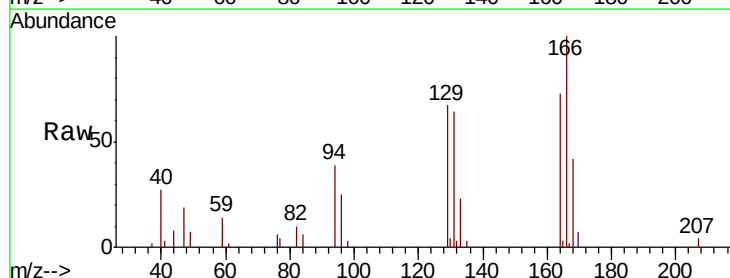
Ion Ratio Lower Upper

164 100

166 136.7 100.5 150.7

129 91.9 72.3 108.5

131 87.3 70.0 105.0



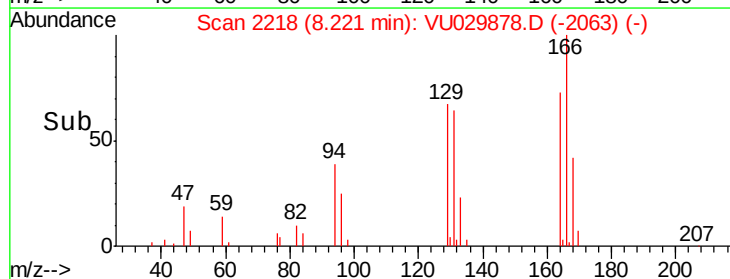
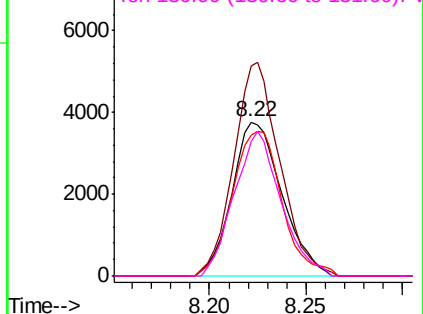
Abundance

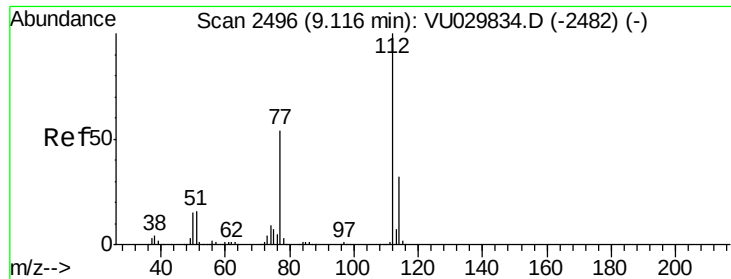
Ion 163.85 (163.55 to 164.55): VU029878.D (-2063) (-)

Ion 165.80 (165.50 to 166.50): VU029878.D (-2063) (-)

Ion 128.90 (128.60 to 129.60): VU029878.D (-2063) (-)

Ion 130.90 (130.60 to 131.60): VU029878.D (-2063) (-)





#59

Chlorobenzene

Concen: 0.254 ug/l

RT: 9.12 min Scan# 2498

Delta R.T. 0.01 min

Lab File: VU029878.D

Acq: 08 Mar 2019 10:37

Instrument :

MSVOA_U

ClientSampleId :

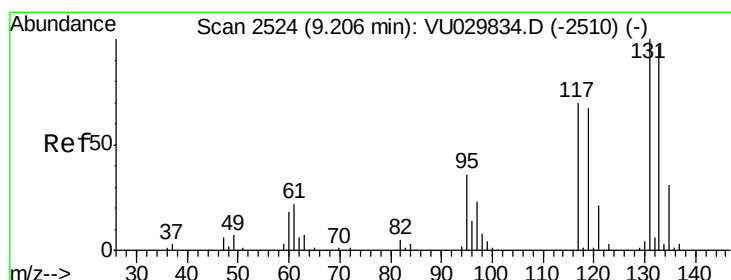
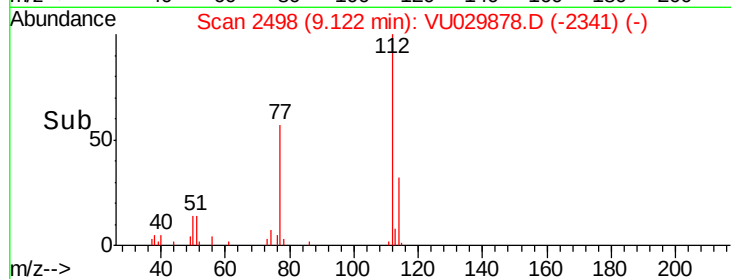
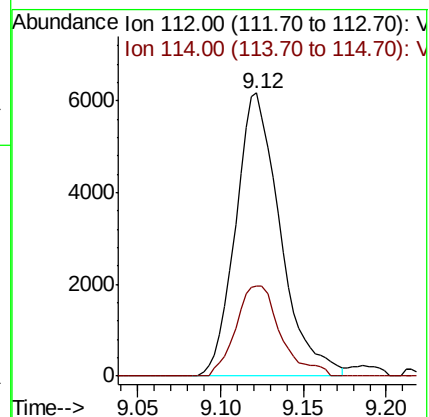
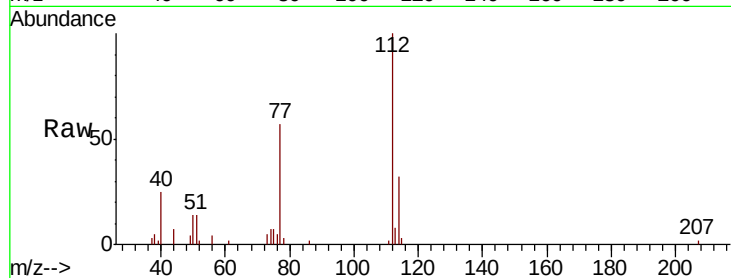
MDL07

Tgt Ion:112 Resp: 11555

Ion Ratio Lower Upper

112 100

114 32.0 25.4 38.2



#60

1,1,1,2-Tetrachloroethane

Concen: 0.247 ug/l

RT: 9.21 min Scan# 2524

Delta R.T. -0.00 min

Lab File: VU029878.D

Acq: 08 Mar 2019 10:37

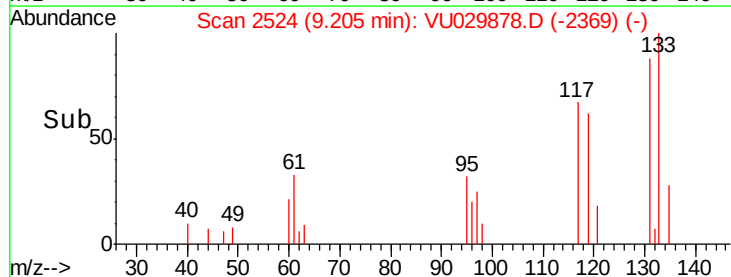
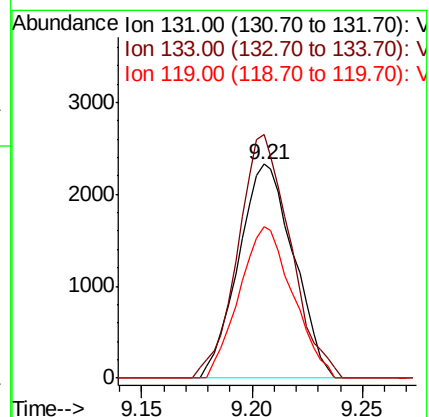
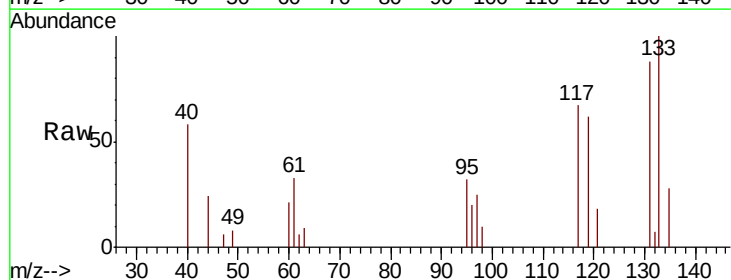
Tgt Ion:131 Resp: 4028

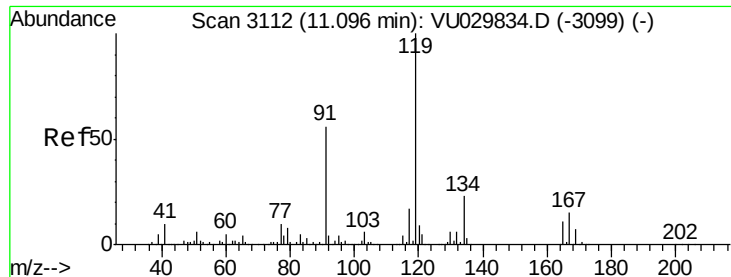
Ion Ratio Lower Upper

131 100

133 108.1 76.4 114.6

119 68.6 54.2 81.4

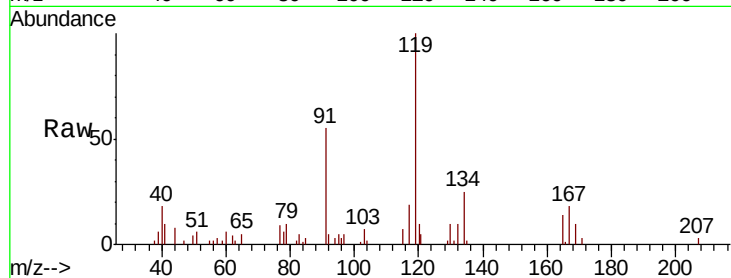




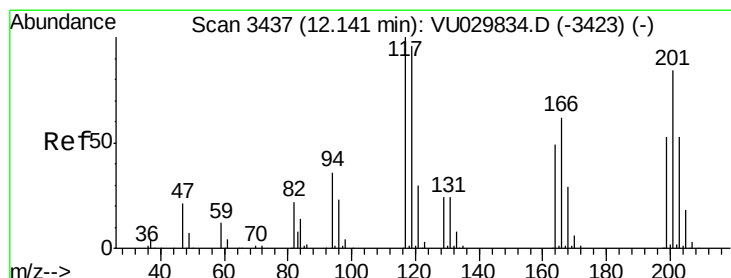
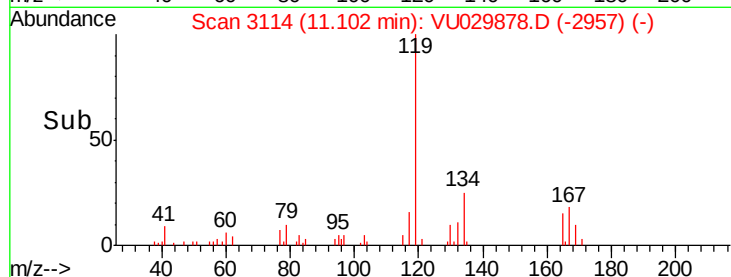
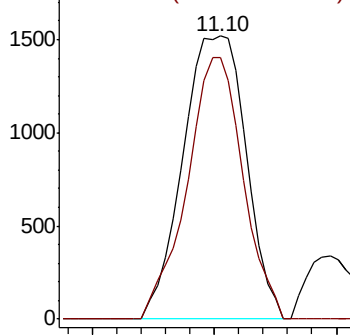
#61
 Pentachloroethane
 Concen: 0.241 ug/l
 RT: 11.10 min Scan# 3114
 Delta R.T. 0.01 min
 Lab File: VU029878.D
 Acq: 08 Mar 2019 10:37

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL07

Tgt Ion:117 Resp: 2731
 Ion Ratio Lower Upper
 117 100
 167 81.9 71.4 107.2

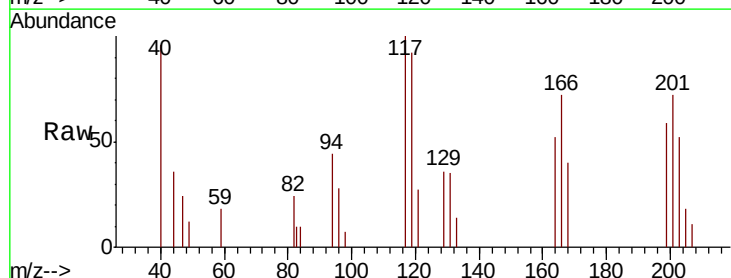


Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 166.70 (166.40 to 167.40): V

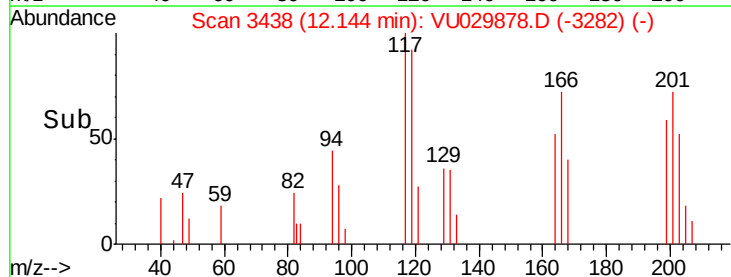
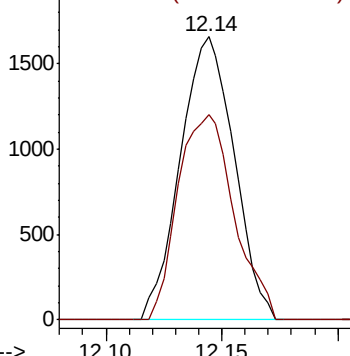


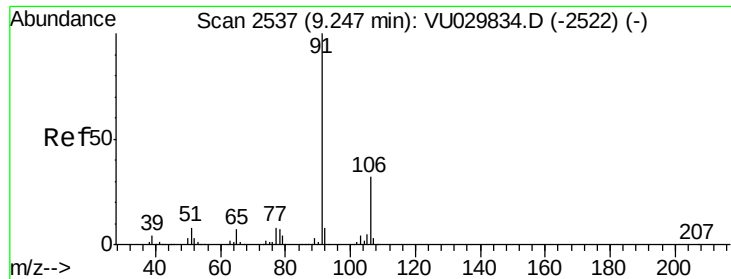
#62
 Hexachloroethane
 Concen: 0.224 ug/l
 RT: 12.14 min Scan# 3438
 Delta R.T. 0.00 min
 Lab File: VU029878.D
 Acq: 08 Mar 2019 10:37

Tgt Ion:117 Resp: 2677
 Ion Ratio Lower Upper
 117 100
 201 75.6 68.2 102.2



Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 200.60 (200.30 to 201.30): V

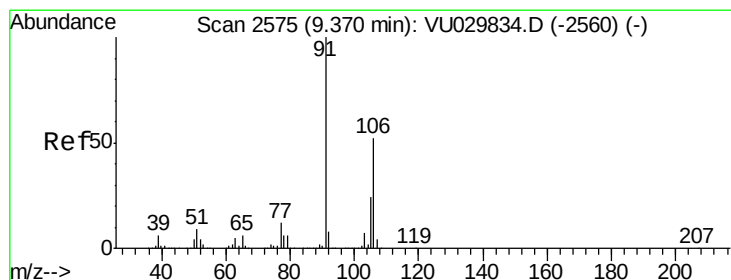
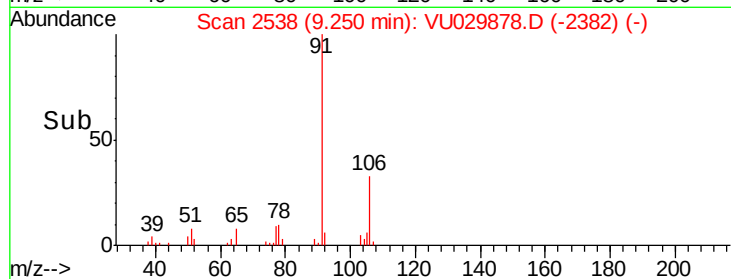
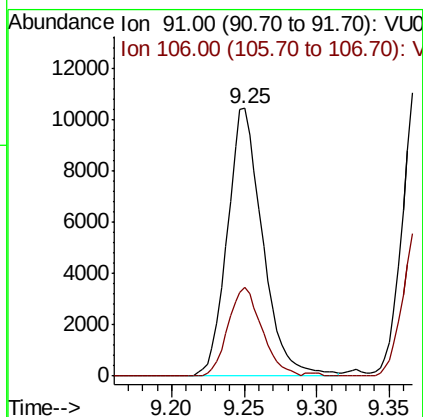
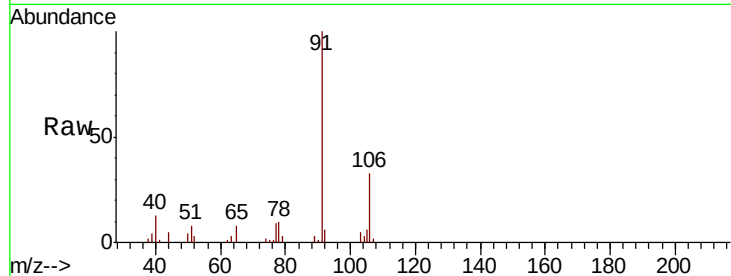




#63
Ethyl Benzene
Concen: 0.237 ug/l
RT: 9.25 min Scan# 2538
Delta R.T. 0.00 min
Lab File: VU029878.D
Acq: 08 Mar 2019 10:37

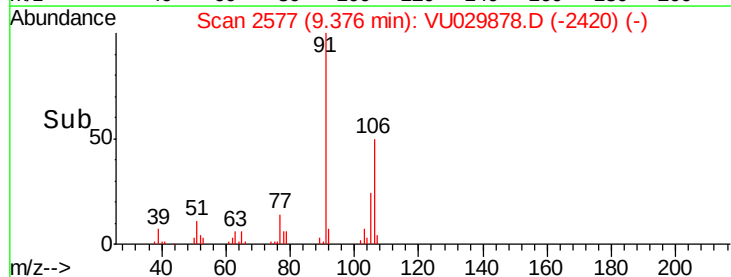
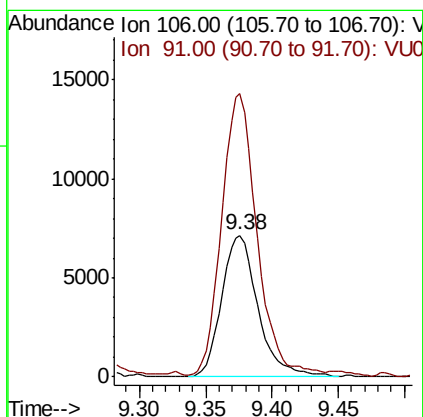
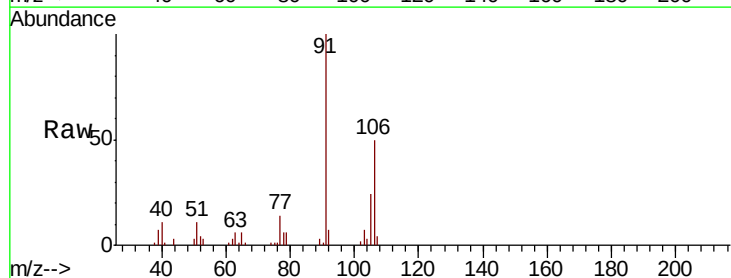
Instrument :
MSVOA_U
ClientSampleId :
MDL07

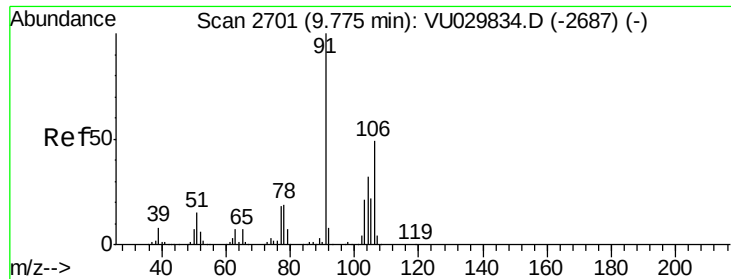
Tgt Ion: 91 Resp: 17641
Ion Ratio Lower Upper
91 100
106 33.0 25.7 38.5



#64
m/p-Xylenes
Concen: 0.462 ug/l
RT: 9.38 min Scan# 2577
Delta R.T. 0.01 min
Lab File: VU029878.D
Acq: 08 Mar 2019 10:37

Tgt Ion: 106 Resp: 13583
Ion Ratio Lower Upper
106 100
91 191.0 155.3 232.9

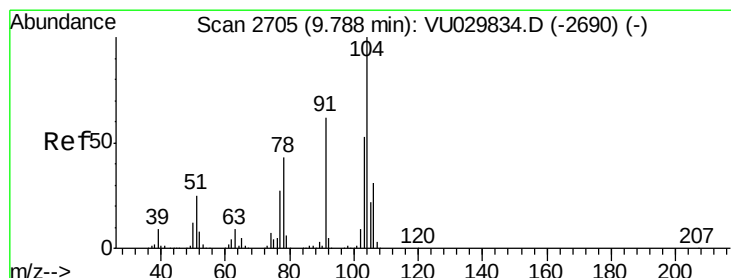
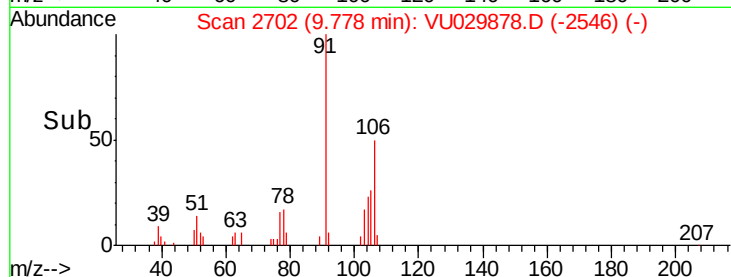
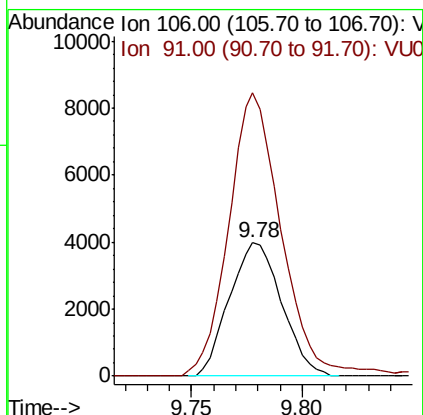
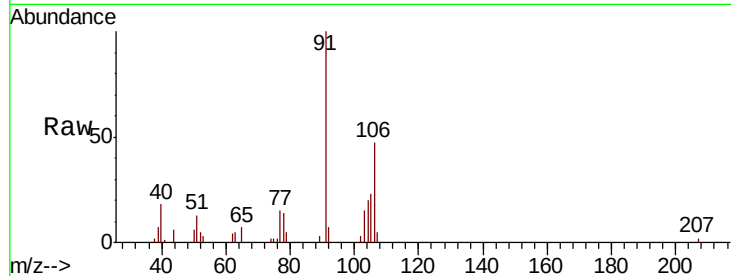




#65
o-Xylene
Concen: 0.231 ug/l
RT: 9.78 min Scan# 2702
Delta R.T. 0.00 min
Lab File: VU029878.D
Acq: 08 Mar 2019 10:37

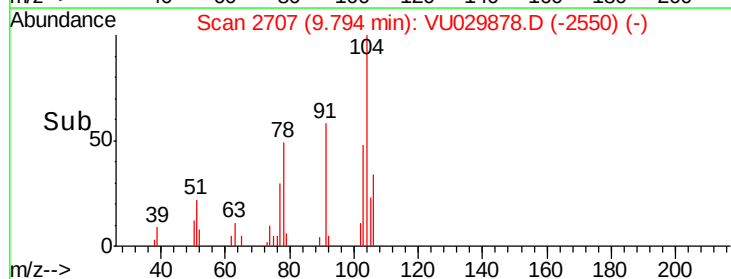
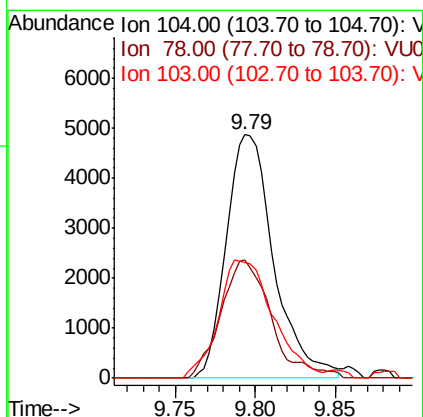
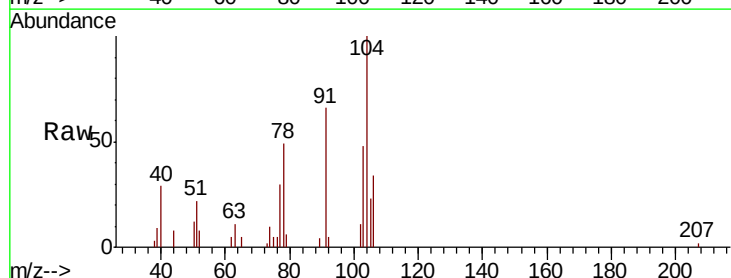
Instrument :
MSVOA_U
ClientSampleId :
MDL07

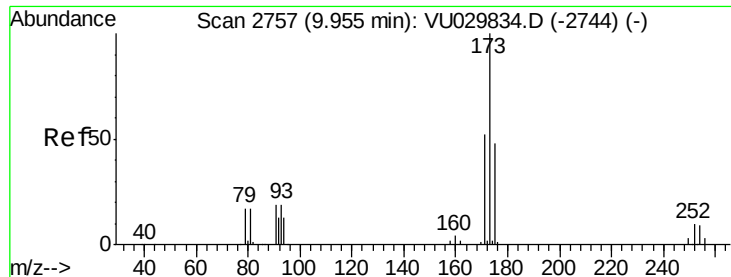
Tgt Ion:106 Resp: 6528
Ion Ratio Lower Upper
106 100
91 214.4 102.8 308.3



#66
Styrene
Concen: 0.211 ug/l
RT: 9.79 min Scan# 2707
Delta R.T. 0.01 min
Lab File: VU029878.D
Acq: 08 Mar 2019 10:37

Tgt Ion:104 Resp: 9907
Ion Ratio Lower Upper
104 100
78 51.5 37.2 55.8
103 55.8 44.7 67.1





#67

Bromoform

Concen: 0.210 ug/l

RT: 9.95 min Scan# 2757

Delta R.T. -0.00 min

Lab File: VU029878.D

Acq: 08 Mar 2019 10:37

Instrument :

MSVOA_U

ClientSampleId :

MDL07

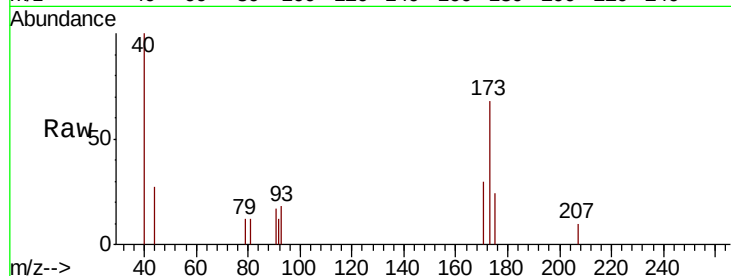
Tgt Ion:173 Resp: 1830

Ion Ratio Lower Upper

173 100

175 47.8 38.6 57.8

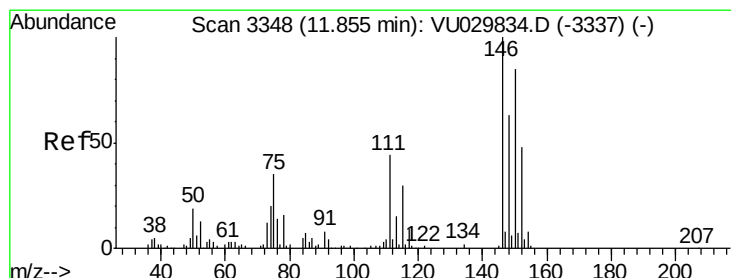
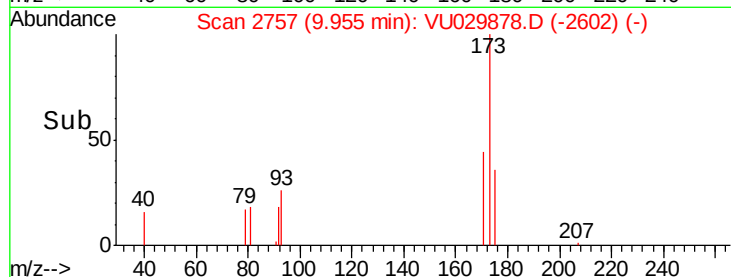
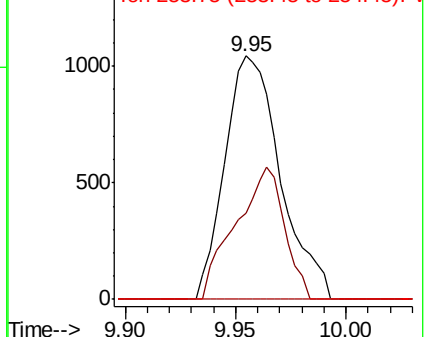
254 0.0 7.4 11.2#



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V



#68

1,2-Dichlorobenzene-d4

Concen: 0.210 ug/l

RT: 11.86 min Scan# 3349

Delta R.T. 0.00 min

Lab File: VU029878.D

Acq: 08 Mar 2019 10:37

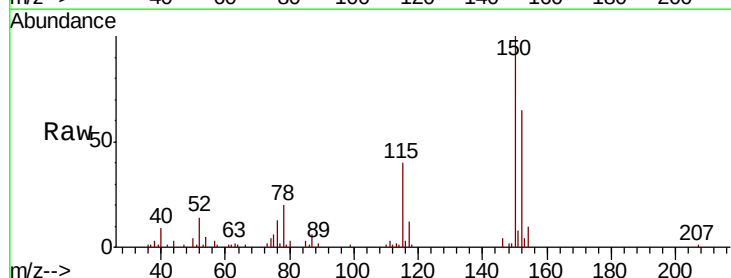
Tgt Ion:152 Resp: 22794

Ion Ratio Lower Upper

152 100

115 63.2 0.0 124.0

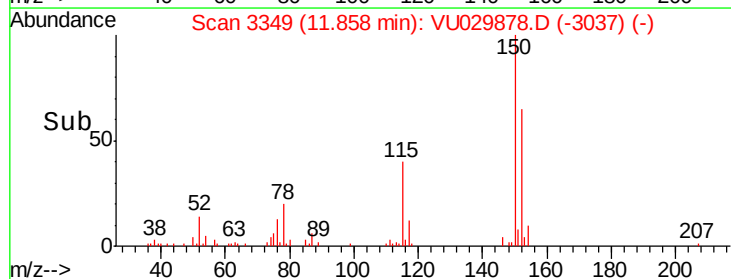
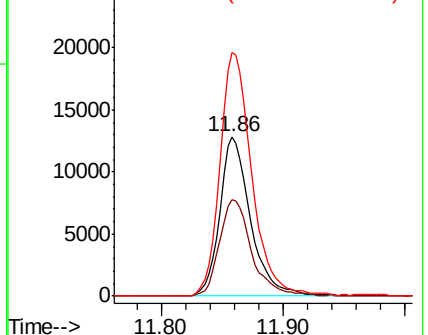
150 157.7 0.0 631.2

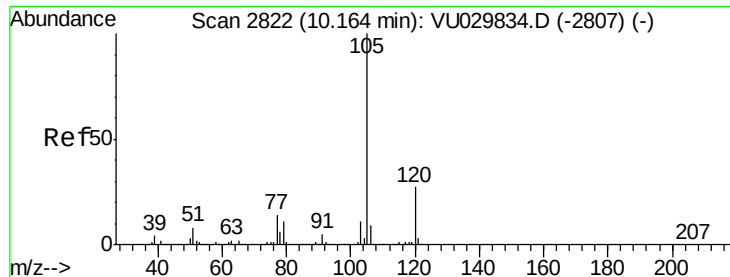


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#69

Isopropylbenzene

Concen: 0.240 ug/l

RT: 10.16 min Scan# 2822

Delta R.T. -0.00 min

Lab File: VU029878.D

Acq: 08 Mar 2019 10:37

Instrument :

MSVOA_U

ClientSampleId :

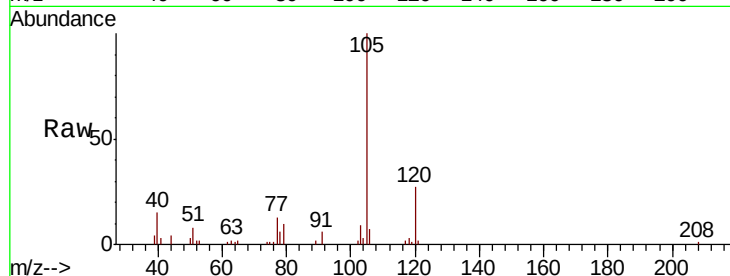
MDL07

Tgt Ion:105 Resp: 17991

Ion Ratio Lower Upper

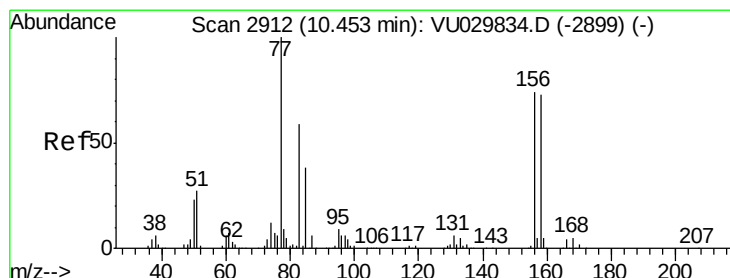
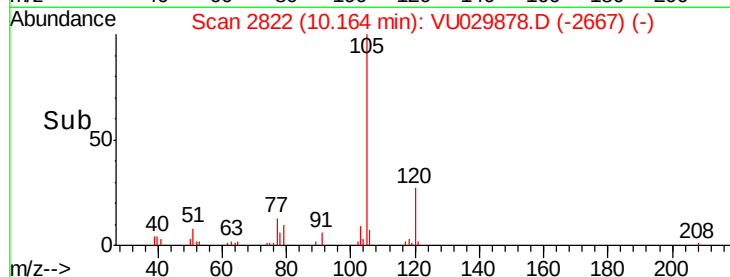
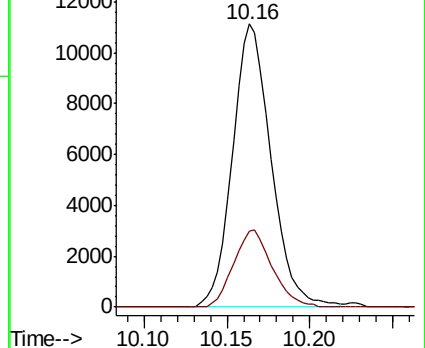
105 100

120 27.1 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#70

1,1,2,2-Tetrachloroethane

Concen: 0.265 ug/l

RT: 10.46 min Scan# 2913

Delta R.T. 0.00 min

Lab File: VU029878.D

Acq: 08 Mar 2019 10:37

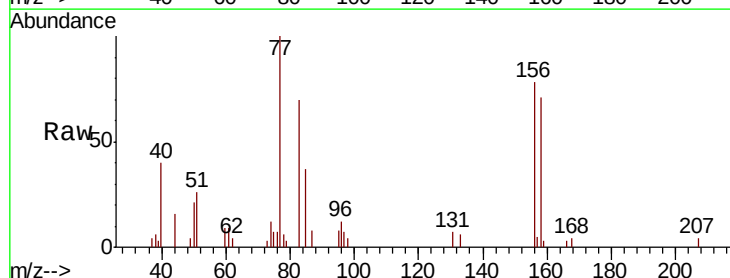
Tgt Ion: 83 Resp: 4033

Ion Ratio Lower Upper

83 100

131 9.4 8.3 12.5

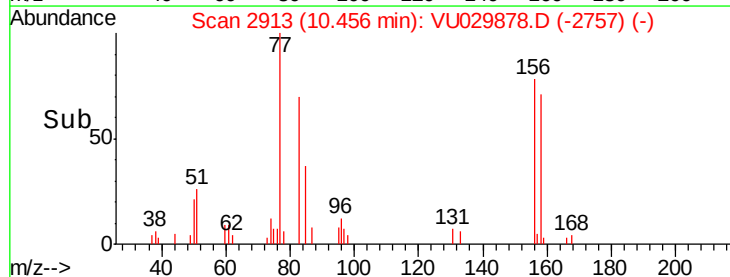
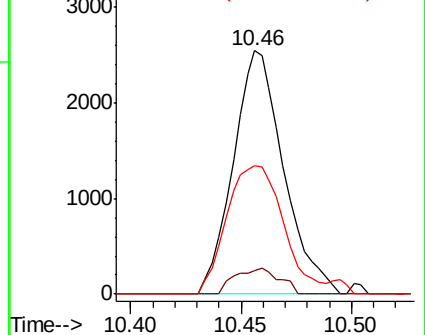
85 59.5 52.5 78.7

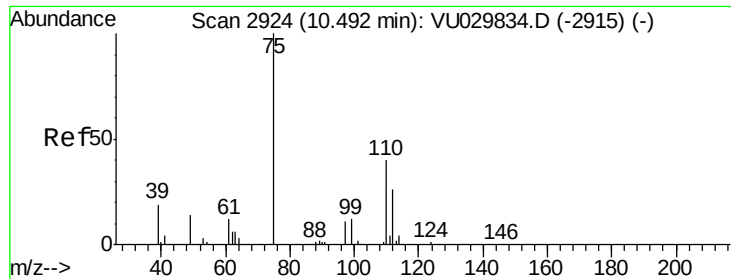


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VU0





#71

1,2,3-Trichloropropane

Concen: 0.386 ug/l

RT: 10.49 min Scan# 2924

Delta R.T. -0.00 min

Lab File: VU029878.D

Acq: 08 Mar 2019 10:37

Instrument :

MSVOA_U

ClientSampled :

MDL07

Tgt Ion: 75 Resp: 4372

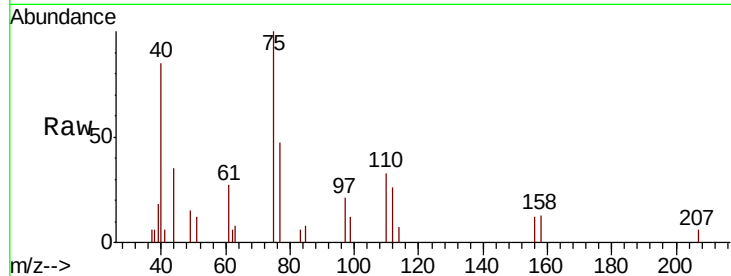
Ion Ratio Lower Upper

75 100

77 14.5 0.0 16.4

110 22.3 0.0 74.8

97 12.3 0.0 39.4

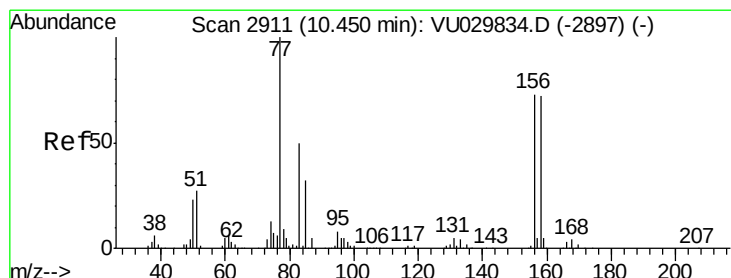
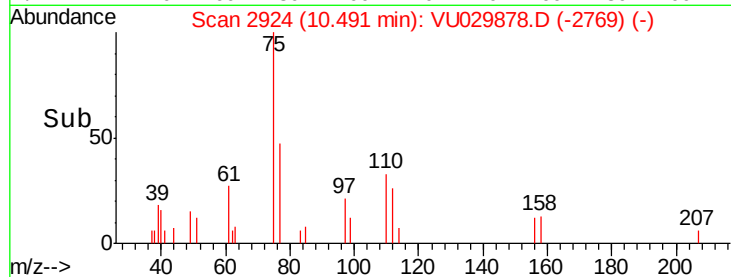
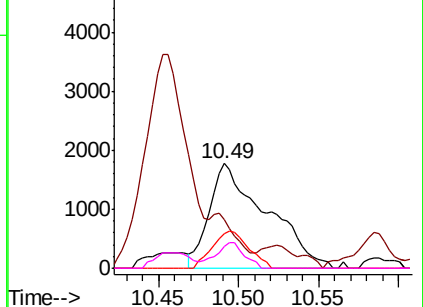


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

Ion 110.00 (109.70 to 110.70): V

Ion 97.00 (96.70 to 97.70): VU0



#72

Bromobenzene

Concen: 0.250 ug/l

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU029878.D

Acq: 08 Mar 2019 10:37

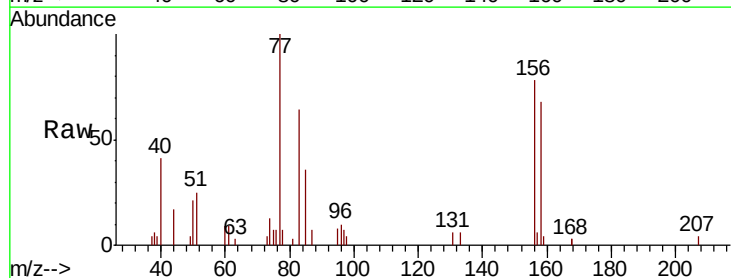
Tgt Ion: 156 Resp: 4955

Ion Ratio Lower Upper

156 100

77 136.1 0.0 282.2

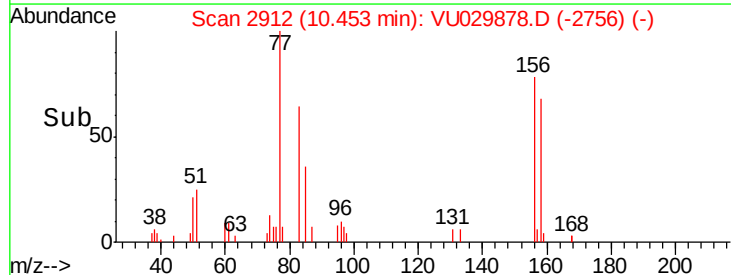
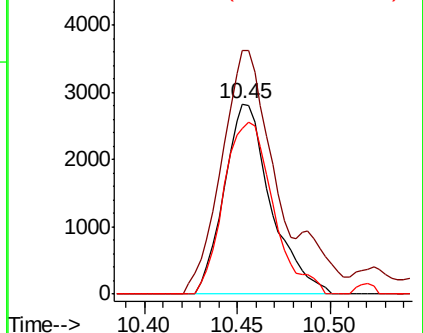
158 95.3 0.0 196.2

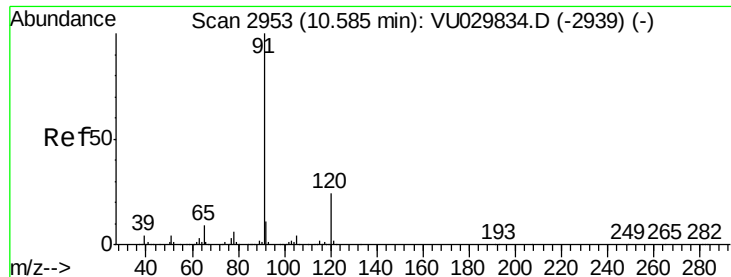


Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 158.00 (157.70 to 158.70): V





#73

n-propylbenzene

Concen: 0.236 ug/l

RT: 10.59 min Scan# 2954

Delta R.T. 0.00 min

Lab File: VU029878.D

Acq: 08 Mar 2019 10:37

Instrument :

MSVOA_U

ClientSampleId :

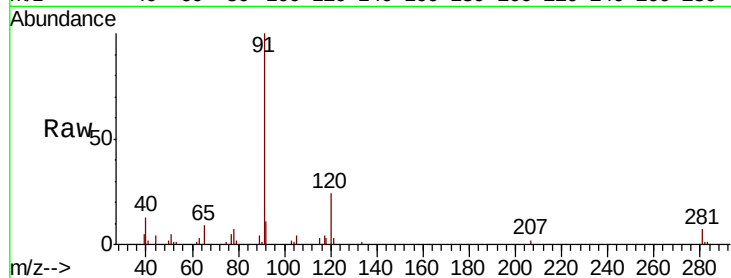
MDL07

Tgt Ion:120 Resp: 4981

Ion Ratio Lower Upper

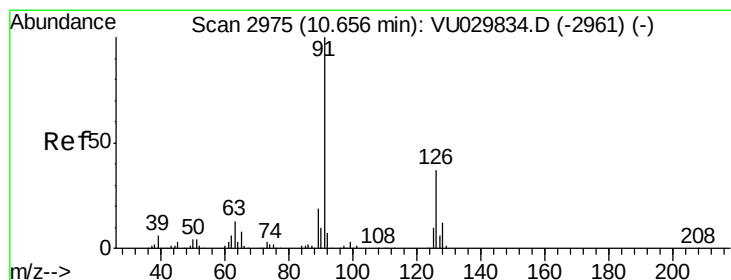
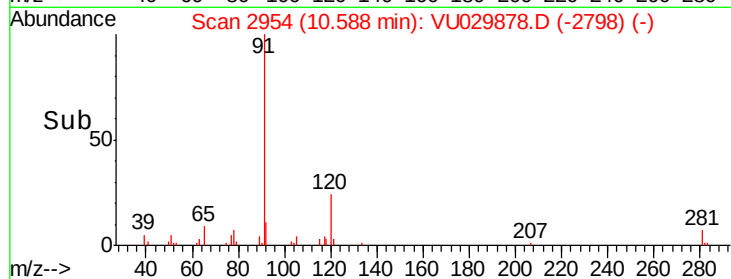
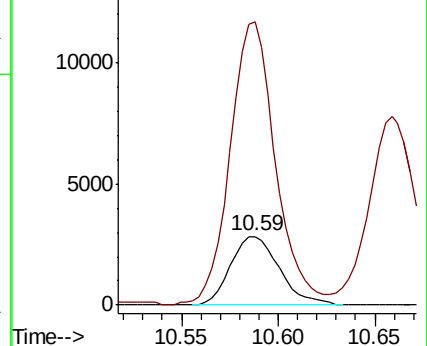
120 100

91 383.0 333.4 500.2



Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 0.239 ug/l

RT: 10.66 min Scan# 2976

Delta R.T. 0.00 min

Lab File: VU029878.D

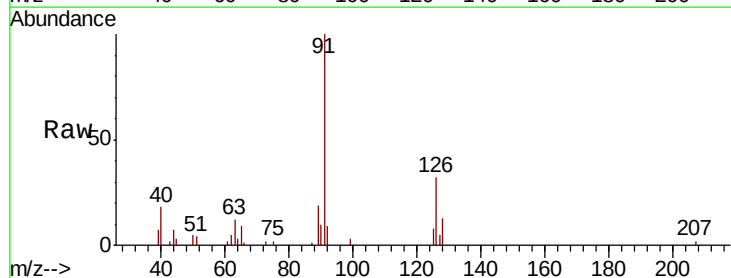
Acq: 08 Mar 2019 10:37

Tgt Ion:126 Resp: 4459

Ion Ratio Lower Upper

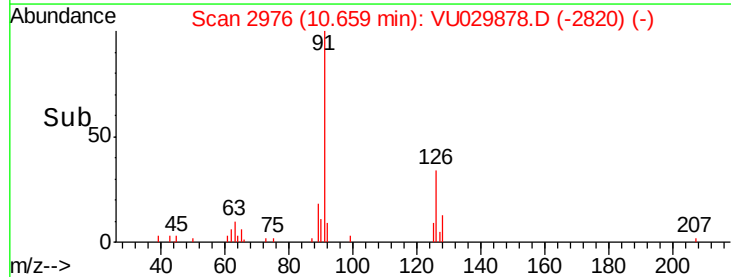
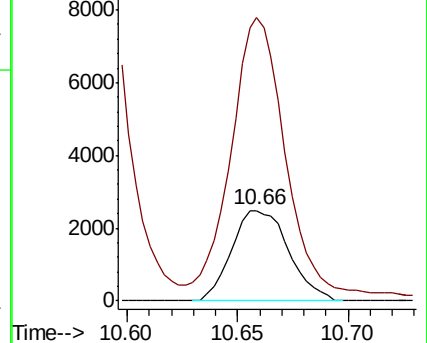
126 100

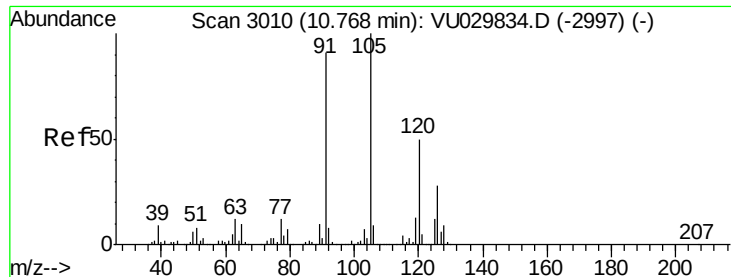
91 311.5 0.0 569.0



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#75

1,3,5-Trimethylbenzene

Concen: 0.223 ug/l

RT: 10.77 min Scan# 3011

Delta R.T. 0.00 min

Lab File: VU029878.D

Acq: 08 Mar 2019 10:37

Instrument :

MSVOA_U

ClientSampleId :

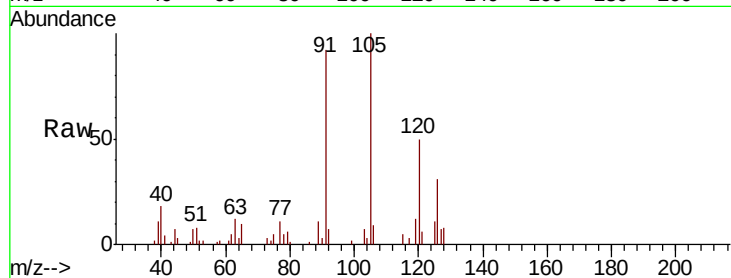
MDL07

Tgt Ion:105 Resp: 14081

Ion Ratio Lower Upper

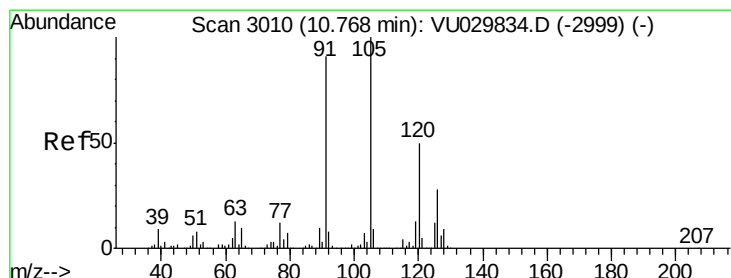
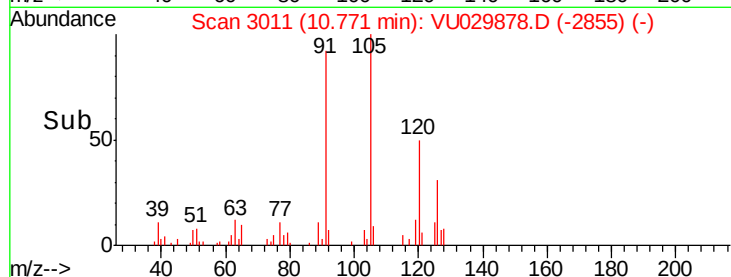
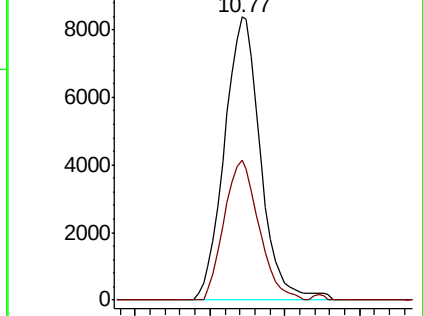
105 100

120 47.6 40.0 60.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

4-Chlorotoluene

Concen: 0.229 ug/l

RT: 10.77 min Scan# 3011

Delta R.T. 0.00 min

Lab File: VU029878.D

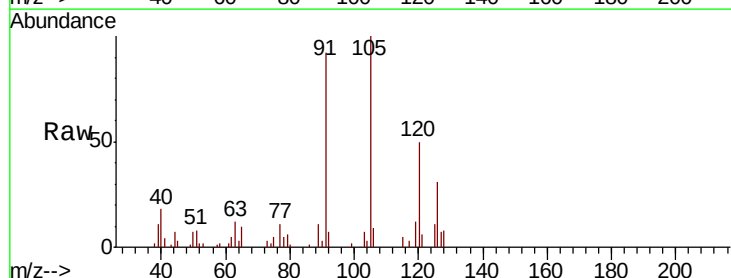
Acq: 08 Mar 2019 10:37

Tgt Ion:126 Resp: 4363

Ion Ratio Lower Upper

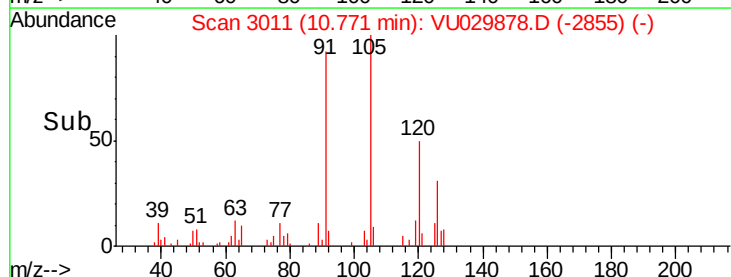
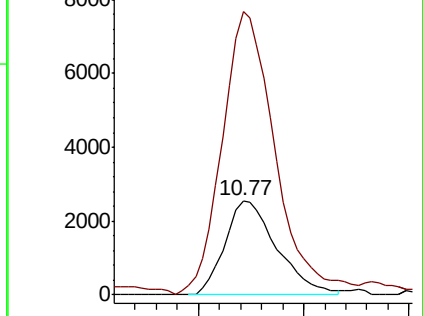
126 100

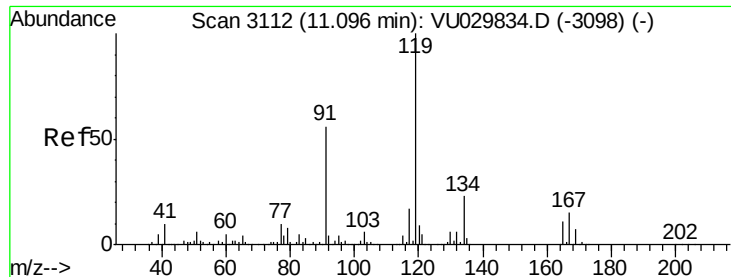
91 308.0 0.0 634.8



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0

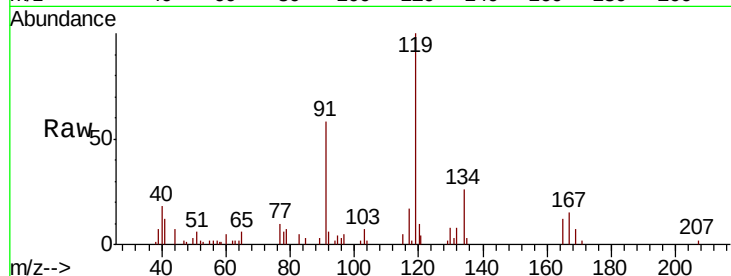




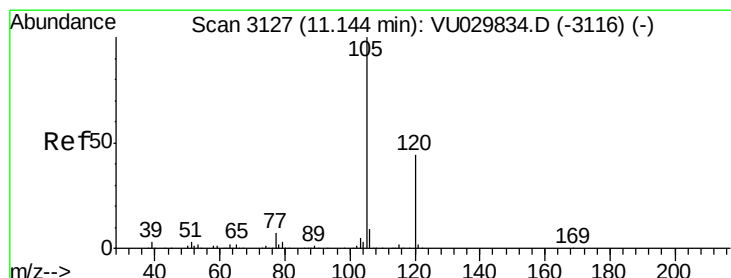
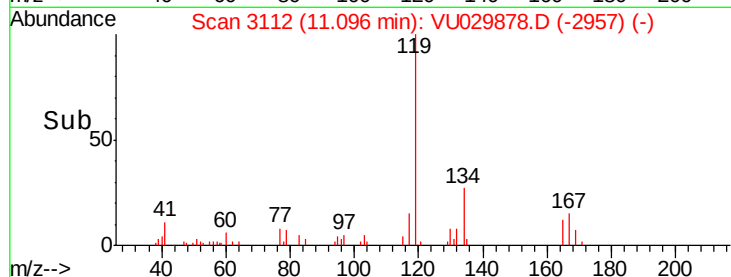
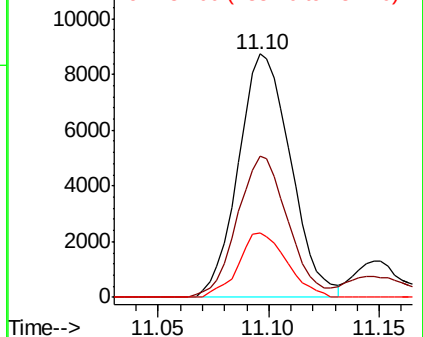
#77
 tert-Butylbenzene
 Concen: 0.231 ug/l
 RT: 11.10 min Scan# 3112
 Delta R.T. -0.00 min
 Lab File: VU029878.D
 Acq: 08 Mar 2019 10:37

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL07

Tgt Ion:119 Resp: 14402
 Ion Ratio Lower Upper
 119 100
 91 56.1 27.7 83.1
 134 24.4 18.7 28.1

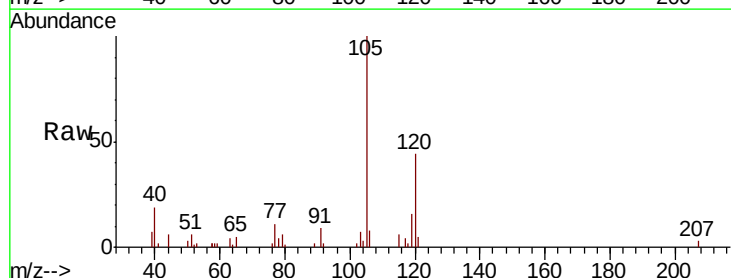


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VU0
 Ion 134.00 (133.70 to 134.70): V

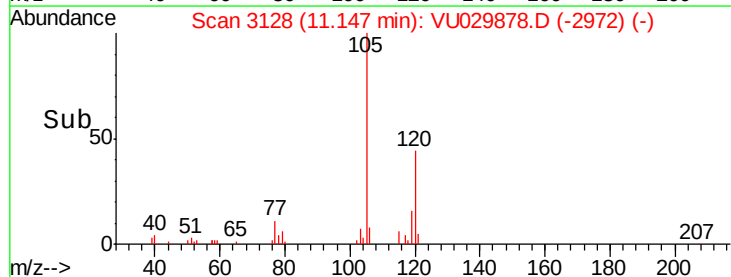
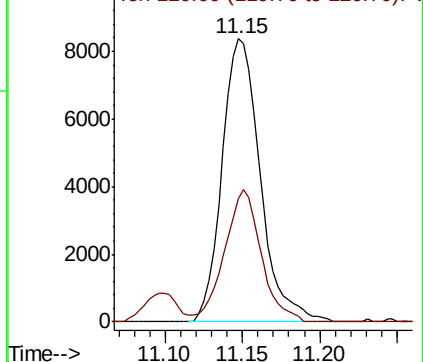


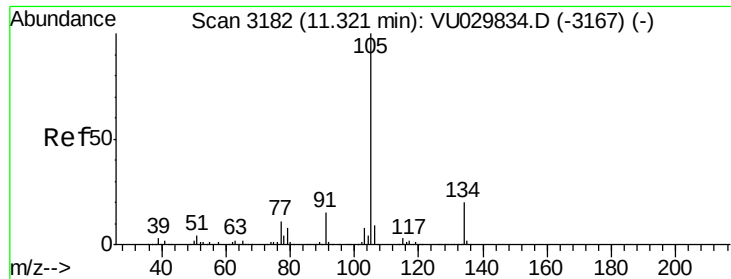
#78
 1,2,4-Trimethylbenzene
 Concen: 0.224 ug/l
 RT: 11.15 min Scan# 3128
 Delta R.T. 0.00 min
 Lab File: VU029878.D
 Acq: 08 Mar 2019 10:37

Tgt Ion:105 Resp: 14313
 Ion Ratio Lower Upper
 105 100
 120 44.9 23.5 70.5



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#79

sec-Butylbenzene

Concen: 0.223 ug/l

RT: 11.32 min Scan# 3182

Delta R.T. -0.00 min

Lab File: VU029878.D

Acq: 08 Mar 2019 10:37

Instrument :

MSVOA_U

ClientSampled :

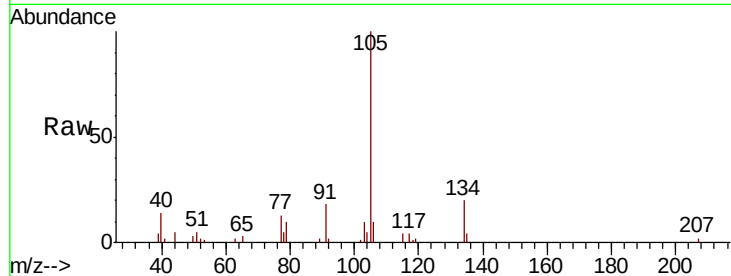
MDL07

Tgt Ion:105 Resp: 18455

Ion Ratio Lower Upper

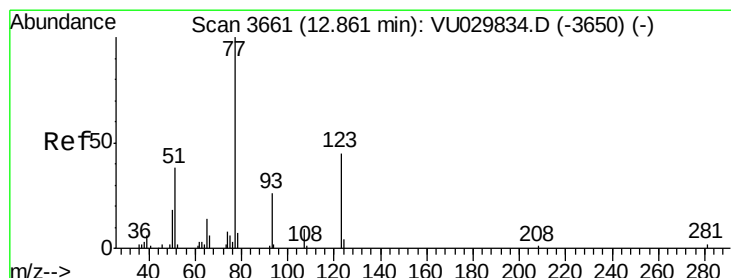
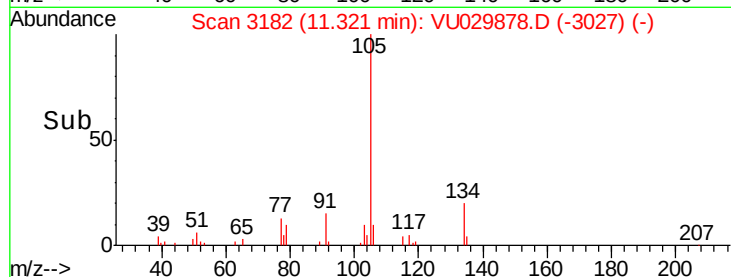
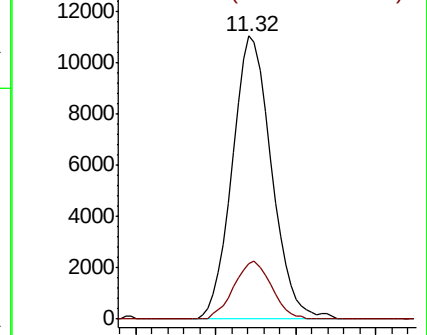
105 100

134 19.6 16.3 24.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#80

Nitrobenzene

Concen: 0.159 ug/l

RT: 12.96 min Scan# 3691

Delta R.T. 0.10 min

Lab File: VU029878.D

Acq: 08 Mar 2019 10:37

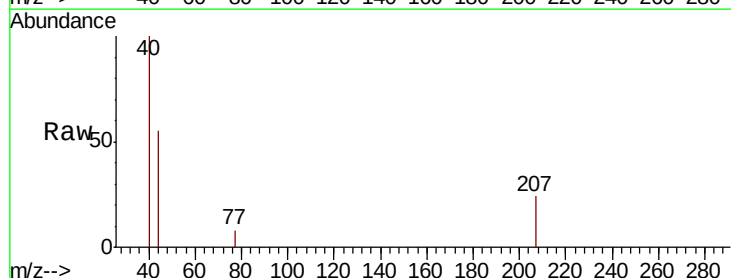
Tgt Ion: 77 Resp: 44

Ion Ratio Lower Upper

77 100

123 0.0 20.2 71.4#

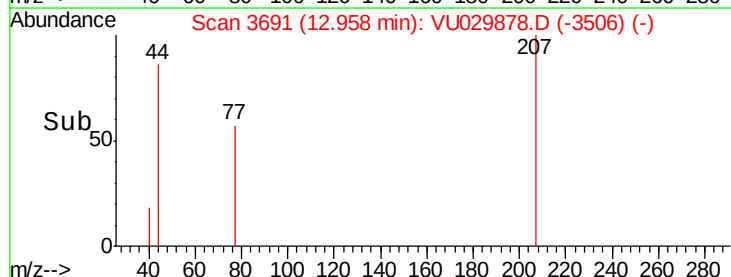
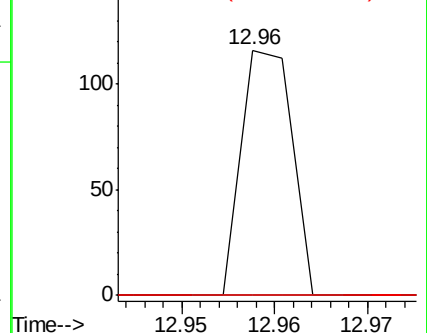
65 0.0 14.0 17.8#

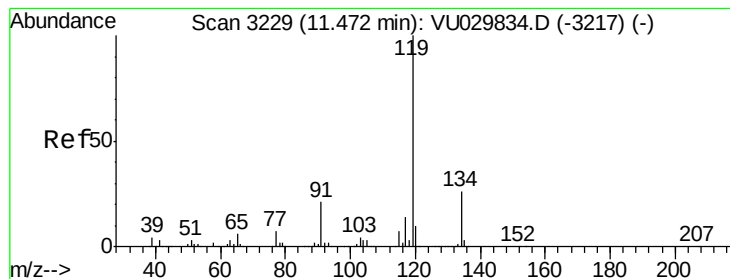


Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0





#81

p-Isopropyltoluene

Concen: 0.221 ug/l

RT: 11.48 min Scan# 3230

Delta R.T. 0.00 min

Lab File: VU029878.D

Acq: 08 Mar 2019 10:37

Instrument :

MSVOA_U

ClientSampleId :

MDL07

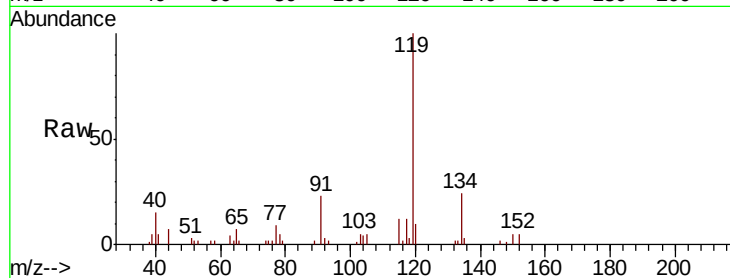
Tgt Ion:119 Resp: 15310

Ion Ratio Lower Upper

119 100

134 25.1 21.2 31.8

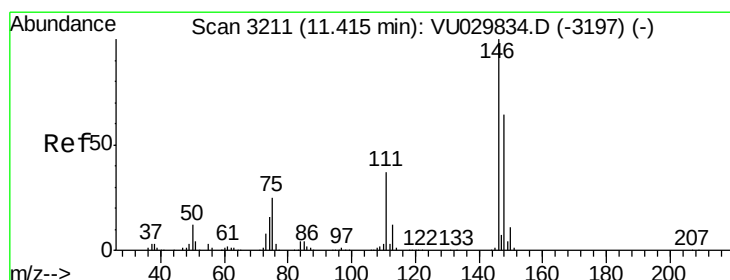
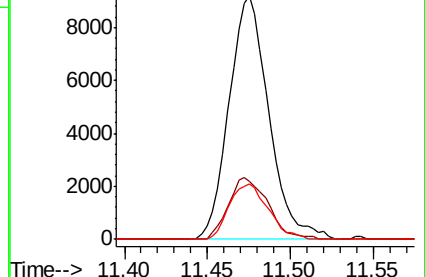
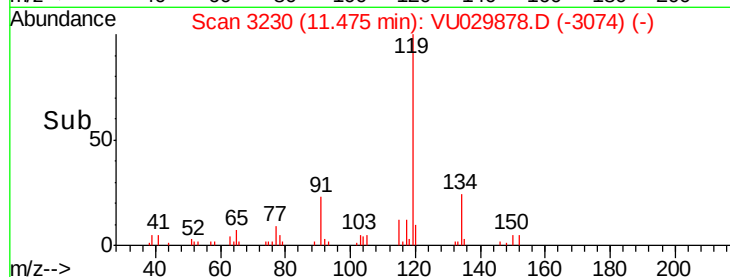
91 22.3 17.2 25.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU



#82

1,3-Dichlorobenzene

Concen: 0.251 ug/l

RT: 11.42 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VU029878.D

Acq: 08 Mar 2019 10:37

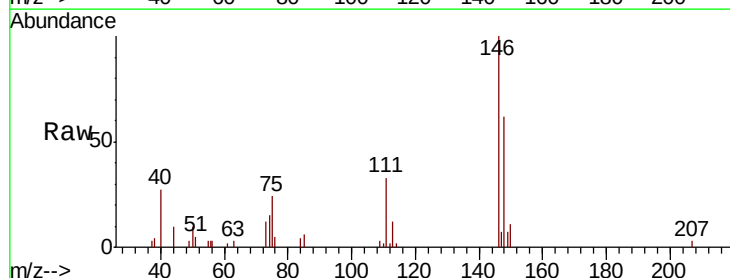
Tgt Ion:146 Resp: 9854

Ion Ratio Lower Upper

146 100

111 34.7 30.2 45.4

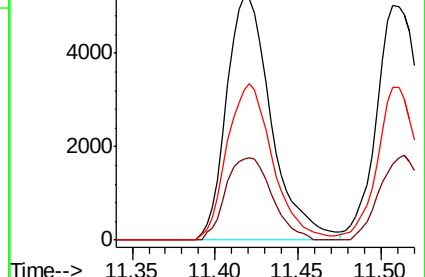
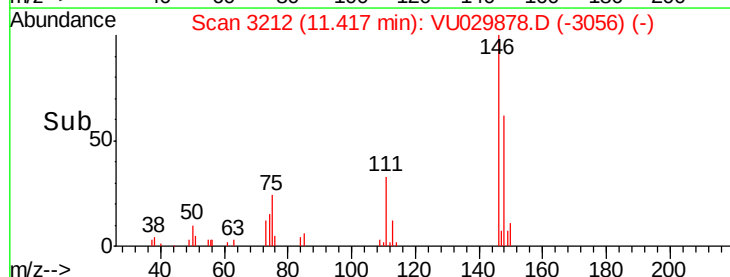
148 64.7 51.2 76.8

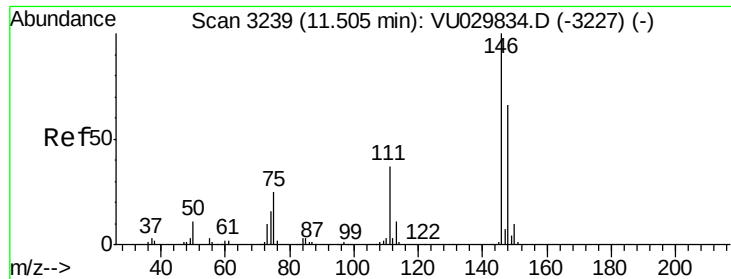


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

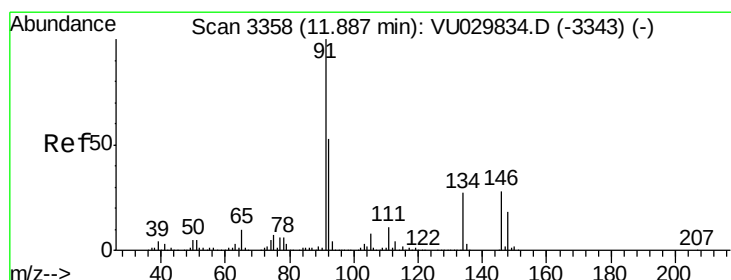
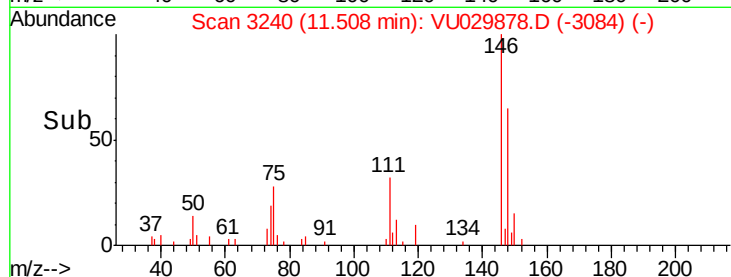
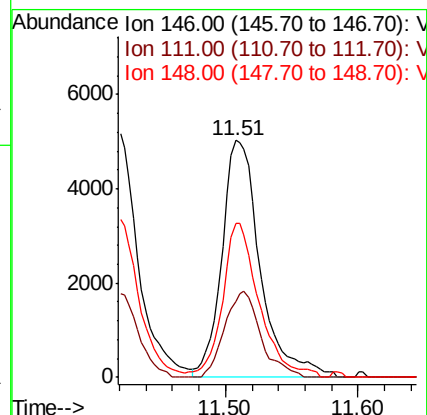
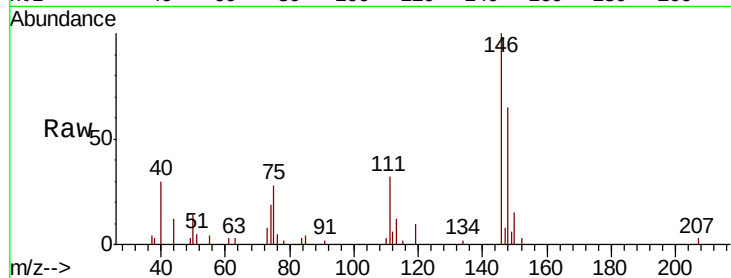




#83
 1,4-Dichlorobenzene
 Concen: 0.263 ug/l
 RT: 11.51 min Scan# 3240
 Delta R.T. 0.00 min
 Lab File: VU029878.D
 Acq: 08 Mar 2019 10:37

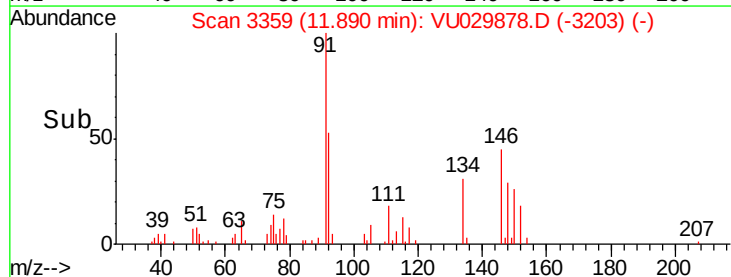
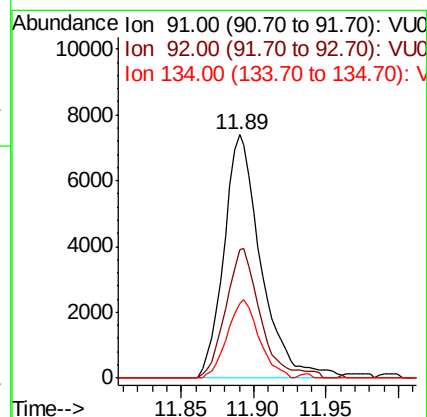
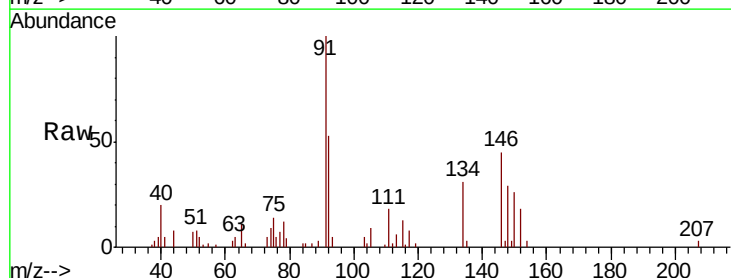
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL07

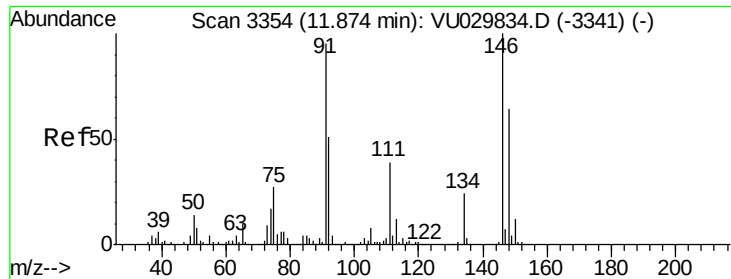
Tgt Ion: 146 Resp: 10092
 Ion Ratio Lower Upper
 146 100
 111 34.2 29.4 44.2
 148 62.5 51.7 77.5



#84
 n-Butylbenzene
 Concen: 0.207 ug/l
 RT: 11.89 min Scan# 3359
 Delta R.T. 0.00 min
 Lab File: VU029878.D
 Acq: 08 Mar 2019 10:37

Tgt Ion: 91 Resp: 13075
 Ion Ratio Lower Upper
 91 100
 92 49.9 42.6 63.8
 134 27.7 21.7 32.5

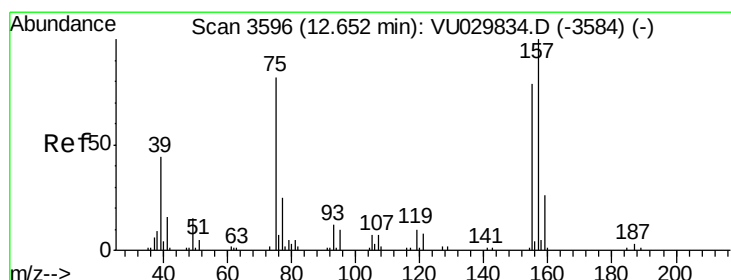
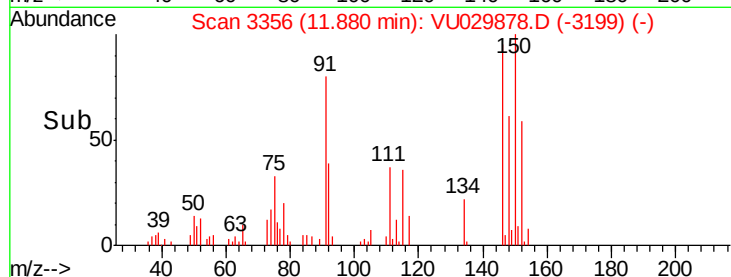
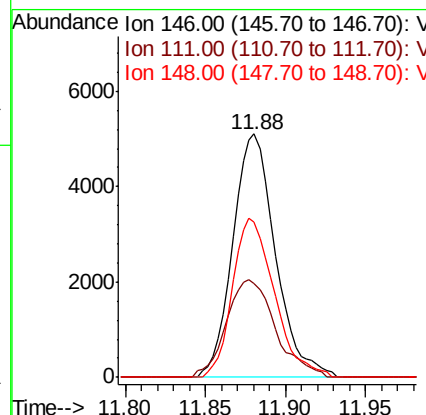
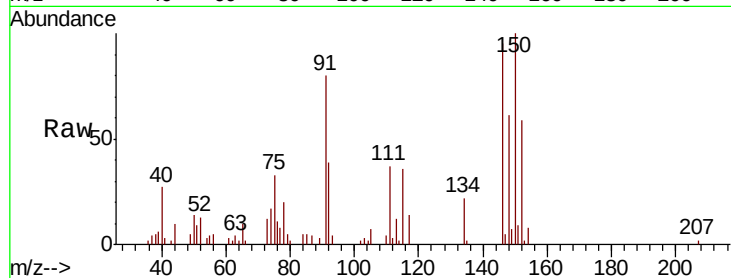




#85
 1,2-Dichlorobenzene
 Concen: 0.250 ug/l
 RT: 11.88 min Scan# 3356
 Delta R.T. 0.01 min
 Lab File: VU029878.D
 Acq: 08 Mar 2019 10:37

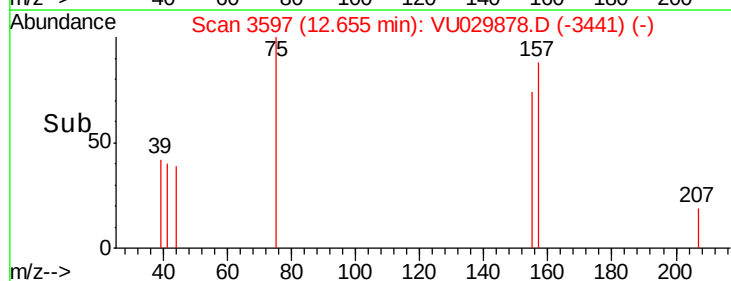
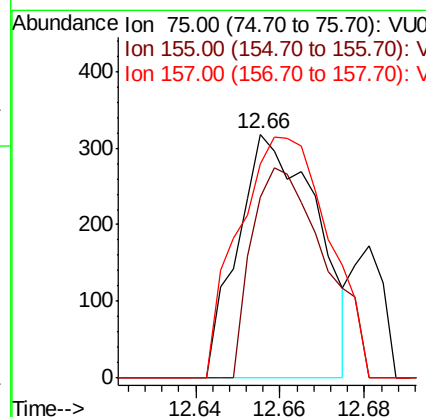
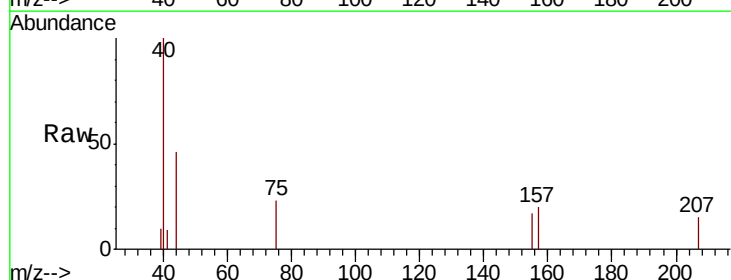
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL07

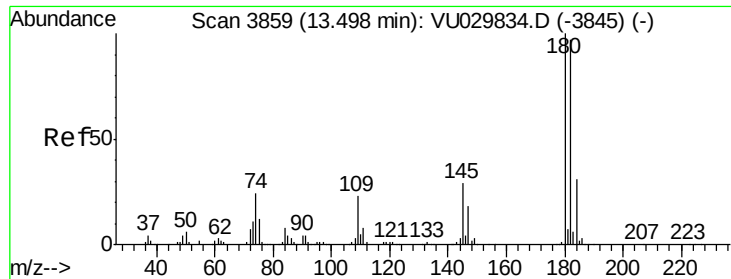
Tgt Ion: 146 Resp: 9269
 Ion Ratio Lower Upper
 146 100
 111 46.3 19.9 59.6
 148 64.5 32.1 96.3



#86
 1,2-Dibromo-3-Chloropropane
 Concen: 0.191 ug/l
 RT: 12.66 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VU029878.D
 Acq: 08 Mar 2019 10:37

Tgt Ion: 75 Resp: 416
 Ion Ratio Lower Upper
 75 100
 155 79.6 76.6 114.8
 157 112.3 96.2 144.2





#87

1,2,4-Trichlorobenzene

Concen: 0.189 ug/l

RT: 13.51 min Scan# 3863

Delta R.T. 0.01 min

Lab File: VU029878.D

Acq: 08 Mar 2019 10:37

Instrument :

MSVOA_U

ClientSampleId :

MDL07

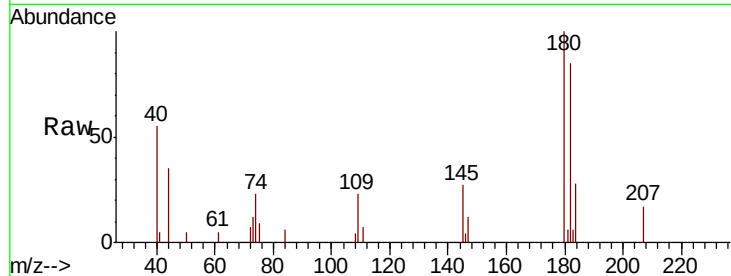
Tgt Ion:180 Resp: 4482

Ion Ratio Lower Upper

180 100

182 88.4 77.5 116.3

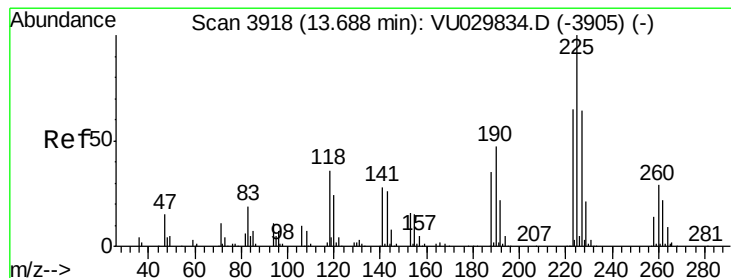
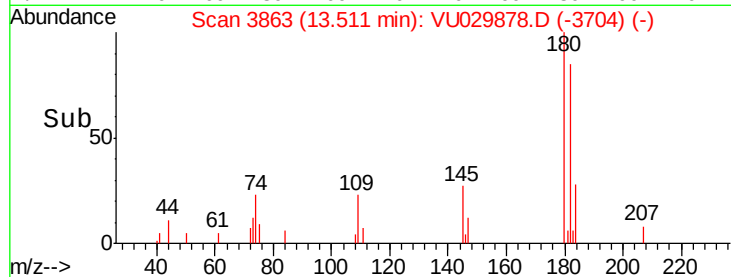
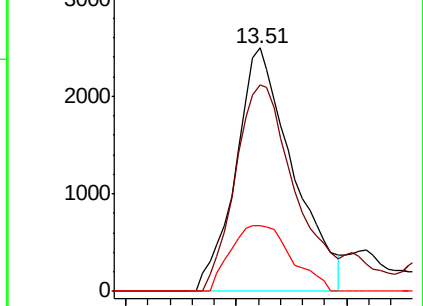
145 28.8 23.6 35.4



Abundance Ion 179.70 (179.40 to 180.40): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#88

Hexachlorobutadiene

Concen: 0.248 ug/l

RT: 13.69 min Scan# 3919

Delta R.T. 0.00 min

Lab File: VU029878.D

Acq: 08 Mar 2019 10:37

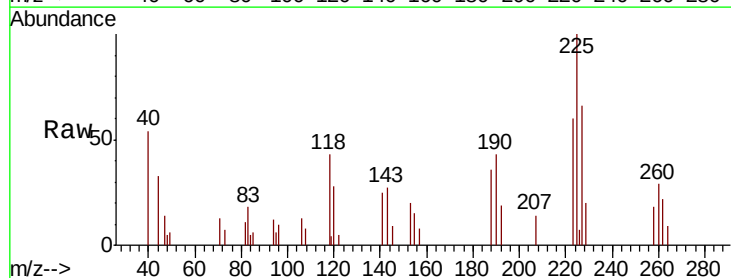
Tgt Ion:225 Resp: 3699

Ion Ratio Lower Upper

225 100

223 64.1 51.2 76.8

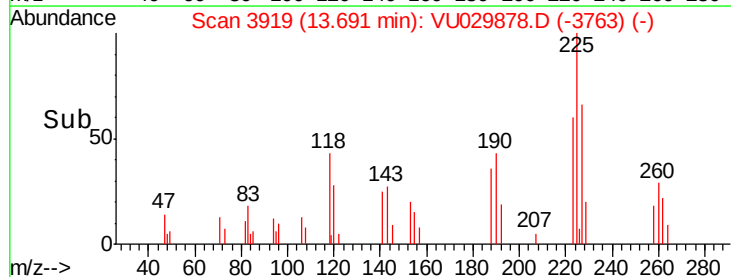
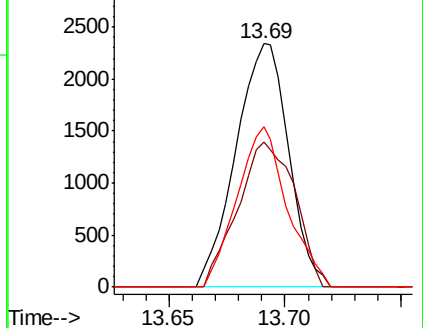
227 62.7 50.9 76.3

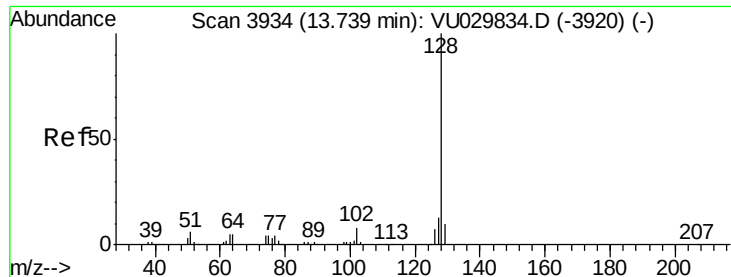


Abundance Ion 224.60 (224.30 to 225.30): V

Ion 222.60 (222.30 to 223.30): V

Ion 226.60 (226.30 to 227.30): V





#89

Naphthalene

Concen: 0.554 ug/l

RT: 13.76 min Scan# 3939

Delta R.T. 0.02 min

Lab File: VU029878.D

Acq: 08 Mar 2019 10:37

Instrument :

MSVOA_U

ClientSampleId :

MDL07

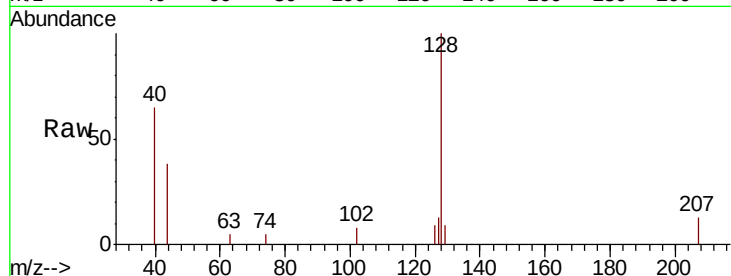
Tgt Ion:128 Resp: 4597

Ion Ratio Lower Upper

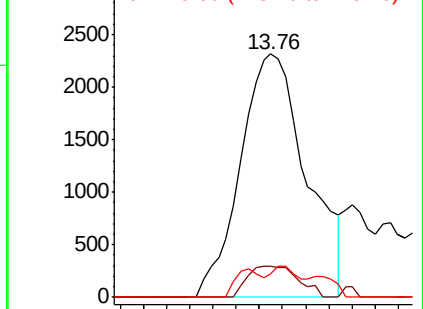
128 100

127 9.8 10.2 15.4#

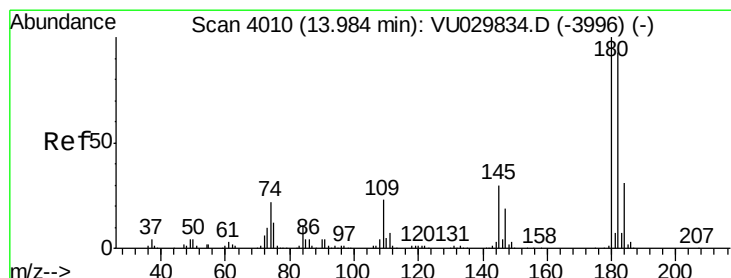
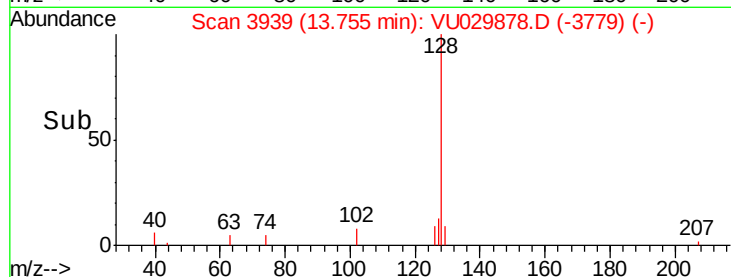
129 4.6 8.2 12.4#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



Time-->



#90

1,2,3-Trichlorobenzene

Concen: 0.211 ug/l

RT: 13.99 min Scan# 4013

Delta R.T. 0.01 min

Lab File: VU029878.D

Acq: 08 Mar 2019 10:37

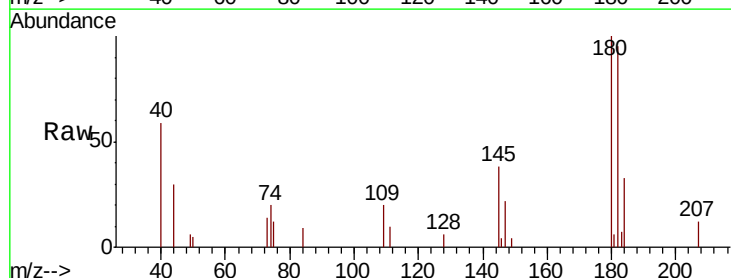
Tgt Ion:180 Resp: 4712

Ion Ratio Lower Upper

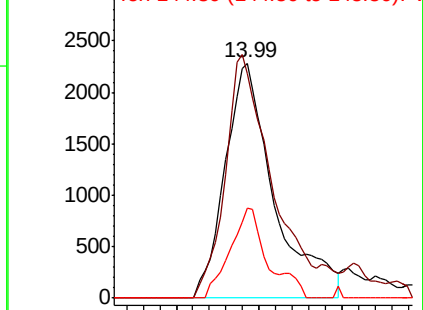
180 100

182 97.0 74.8 112.2

145 29.3 24.6 36.8



Abundance Ion 179.70 (179.40 to 180.40): V
Ion 181.70 (181.40 to 182.40): V
Ion 144.80 (144.50 to 145.50): V



Time-->

