

Data File : VU029846.D
Acq On : 07 Mar 2019 10:49
Operator : JC/SP
Sample : MDL03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL03

Quant Time: Mar 08 01:11:31 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	56895	1.00	ug/l	0.00

System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	18113	0.89	ug/l	0.00
Spiked Amount 1.000			Recovery	=	89.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	21908	0.92	ug/l	0.00
Spiked Amount 1.000			Recovery	=	92.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	3627	0.191	ug/l	90
3) Chloromethane	1.33	50	4630	0.273	ug/l	92
4) Vinyl Chloride	1.40	62	4499	0.236	ug/l	93
5) Bromomethane	1.63	94	4154	0.319	ug/l	94
6) Chloroethane	1.70	64	2773	0.242	ug/l	92
7) Trichlorofluoromethane	1.88	101	5500	0.212	ug/l	96
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	2724	0.180	ug/l	93
9) 1,1-Dichloroethene	2.28	96	3666	0.248	ug/l	87
10) Iodomethane	2.41	142	3357	0.773	ug/l	97
11) Allyl Chloride	2.59	41	4891	0.235	ug/l	91
12) Acrylonitrile	2.94	53	1815	0.562	ug/l #	88
13) Acetone	2.32	43	3859	1.444	ug/l	94
14) Carbon Disulfide	2.47	76	12219	0.255	ug/l	98
15) Methylene Chloride	2.69	84	8075	0.455	ug/l	94
16) trans-1,2-Dichloroethene	2.98	96	4185	0.250	ug/l	92
17) 1,1-Dichloroethane	3.44	63	6793	0.243	ug/l	94
18) 2-Butanone	4.29	43	2919	0.804	ug/l	100
19) Cyclohexane	4.98	56	2500	0.115	ug/l #	52
20) Methylcyclohexane	6.41	83	4117	0.163	ug/l	94
21) 2,2-Dichloropropane	4.22	77	5439	0.238	ug/l #	68
22) cis-1,2-Dichloroethene	4.22	96	1922	0.108	ug/l #	1
23) Diethyl Ether	2.10	59	2777	0.250	ug/l #	89
24) tert-Butyl Alcohol	2.83	59	3653	3.192	ug/l	98
25) Methyl tert-Butyl Ether	3.00	73	8922	0.239	ug/l #	88
26) Bromochloromethane	4.54	128	1944	0.247	ug/l	98
27) Chloroform	4.67	83	6971	0.246	ug/l	85
28) 1,1,1-Trichloroethane	4.91	97	5385	0.224	ug/l	99
29) 1,1-Dichloropropene	5.13	75	4733	0.222	ug/l	98
30) Carbon Tetrachloride	5.13	117	4409	0.210	ug/l #	91
31) Isopropyl Ether	3.57	45	9286	0.241	ug/l	97
32) Ethyl-t-butyl ether	4.06	59	8928	0.238	ug/l	100
33) Tert-Amyl methyl ether	5.58	73	7652	0.221	ug/l #	87
34) Propionitrile	4.34	54	863	0.799	ug/l #	58
35) Benzene	5.39	78	14300	0.227	ug/l	96
36) 1,2-Dichloroethane	5.41	62	3988	0.232	ug/l #	85
37) Trichloroethene	6.18	130	4343	0.237	ug/l	89
38) 1,2-Dichloropropane	6.43	63	3353	0.211	ug/l	100
39) Methacrylonitrile	4.56	41	834	0.184	ug/l #	61
40) Methyl acrylate	4.44	55	570	0.079	ug/l #	71
41) Tetrahydrofuran	4.66	42	1201	0.505	ug/l #	66
42) 1-Chlorobutane	5.06	56	5993	0.220	ug/l	76

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	1983	0.240	ug/l	98
44) Bromodichloromethane	6.76	83	4153	0.205	ug/l	93
45) 4-Methyl-2-Pentanone	7.47	43	9509	1.105	ug/l	93
46) t-1,4-Dichloro-2-butene	10.49	75	3061	0.851	ug/l #	51
47) Methyl methacrylate	6.63	69	2603	0.368	ug/l	87
48) Ethyl methacrylate	8.03	69	2457	0.181	ug/l	98
49) Toluene	7.64	92	8189	0.212	ug/l	97
50) t-1,3-Dichloropropene	7.89	75	3677	0.207	ug/l	98
51) cis-1,3-Dichloropropene	7.27	75	4402	0.200	ug/l #	89
52) 1,1,2-Trichloroethane	8.07	97	2806	0.230	ug/l	95
53) 1,3-Dichloropropane	8.24	76	3924	0.196	ug/l	89
54) 2-Hexanone	8.38	43	6028	1.009	ug/l	94
55) Dibromochloromethane	8.48	129	2912	0.201	ug/l	91
56) 1,2-Dibromoethane	8.59	107	2554	0.221	ug/l	95
58) Tetrachloroethene	8.22	164	3885	0.207	ug/l	99
59) Chlorobenzene	9.12	112	9967	0.225	ug/l	90
60) 1,1,1,2-Tetrachloroethane	9.21	131	3153	0.198	ug/l	92
61) Pentachloroethane	11.10	117	2165	0.195	ug/l	94
62) Hexachloroethane	12.14	117	2348	0.201	ug/l	92
63) Ethyl Benzene	9.25	91	14808	0.204	ug/l	96
64) m/p-Xylenes	9.38	106	10632	0.370	ug/l	97
65) o-Xylene	9.78	106	5425	0.197	ug/l	96
66) Styrene	9.79	104	7331	0.160	ug/l	91
67) Bromoform	9.96	173	1775	0.209	ug/l #	90
69) Isopropylbenzene	10.16	105	12975	0.177	ug/l	93
70) 1,1,2,2-Tetrachloroethane	10.46	83	3091	0.208	ug/l #	96
71) 1,2,3-Trichloropropane	10.49	75	3061	0.277	ug/l #	85
72) Bromobenzene	10.45	156	3828	0.198	ug/l	95
73) n-propylbenzene	10.58	120	3361	0.163	ug/l	88
74) 2-Chlorotoluene	10.66	126	3659	0.201	ug/l	90
75) 1,3,5-Trimethylbenzene	10.77	105	11090	0.180	ug/l	92
76) 4-Chlorotoluene	10.77	126	3227	0.173	ug/l	84
77) tert-Butylbenzene	11.10	119	10998	0.180	ug/l	99
78) 1,2,4-Trimethylbenzene	11.15	105	10698	0.172	ug/l	99
79) sec-Butylbenzene	11.32	105	13026	0.161	ug/l	98
80) Nitrobenzene	12.66	77	69	0.255	ug/l #	39
81) p-Isopropyltoluene	11.48	119	10255	0.152	ug/l	95
82) 1,3-Dichlorobenzene	11.42	146	7295	0.190	ug/l	95
83) 1,4-Dichlorobenzene	11.51	146	7329	0.196	ug/l	96
84) n-Butylbenzene	11.89	91	8305	0.135	ug/l	98
85) 1,2-Dichlorobenzene	11.88	146	7300	0.202	ug/l	90
86) 1,2-Dibromo-3-Chloropropan	12.66	75	261	0.123	ug/l #	65
87) 1,2,4-Trichlorobenzene	13.51	180	3907	0.169	ug/l	96
88) Hexachlorobutadiene	13.69	225	1972	0.135	ug/l	97
89) Naphthalene	13.75	128	3998	0.543	ug/l #	84
90) 1,2,3-Trichlorobenzene	13.99	180	4315	0.198	ug/l #	90

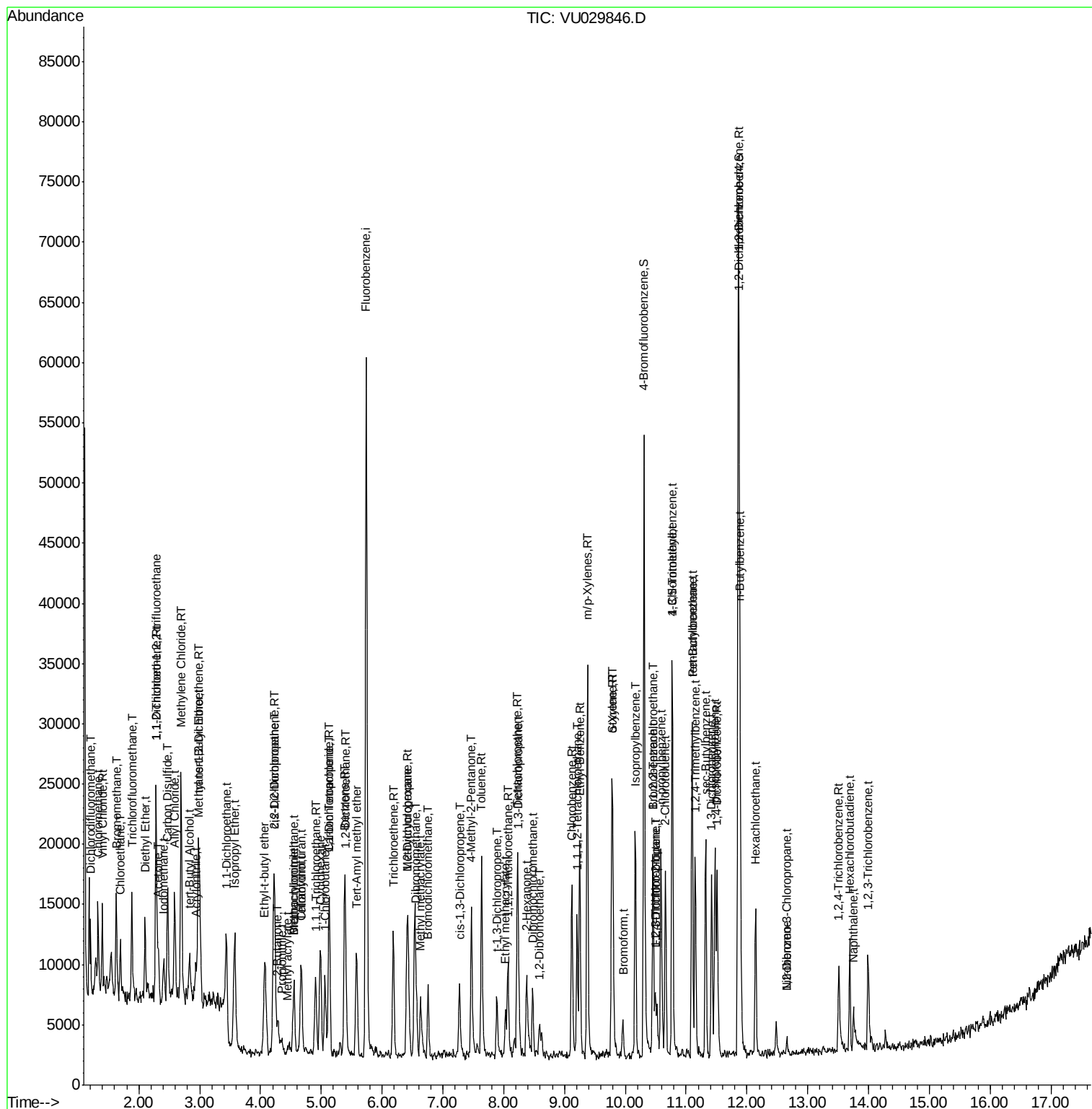
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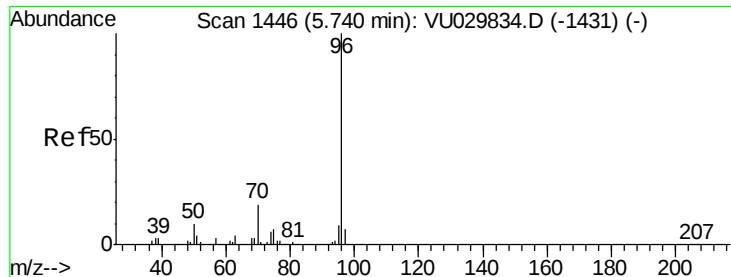
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#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.74 min Scan# 1446

Delta R.T. -0.00 min

Lab File: VU029846.D

Acq: 07 Mar 2019 10:49

Instrument :

MSVOA_U

ClientSampleId :

MDL03

Tgt Ion: 96 Resp: 56895

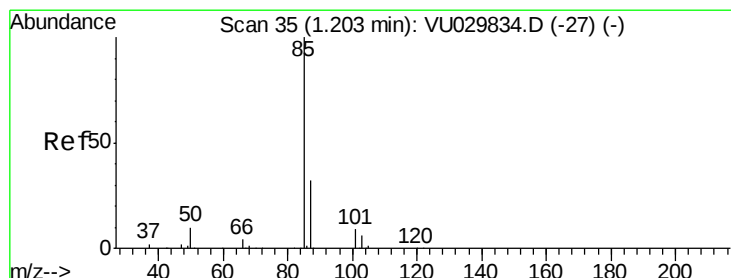
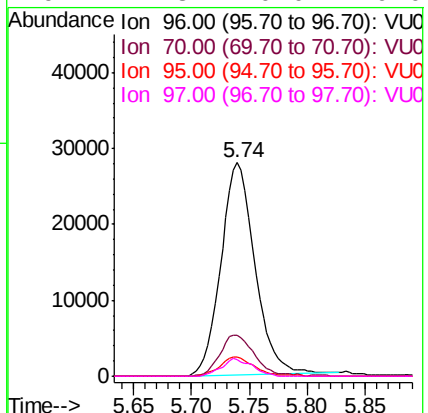
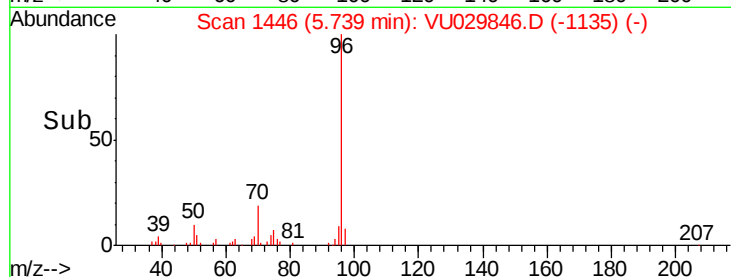
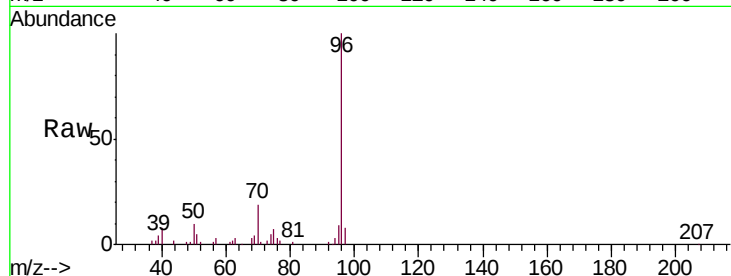
Ion Ratio Lower Upper

96 100

70 19.8 14.4 21.6

95 9.2 7.0 10.6

97 7.3 0.0 0.0#



#2

Dichlorodifluoromethane

Concen: 0.191 ug/l

RT: 1.20 min Scan# 35

Delta R.T. -0.00 min

Lab File: VU029846.D

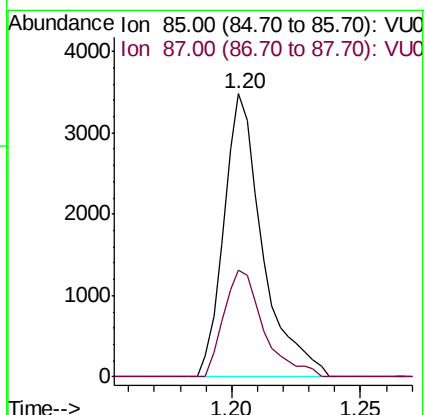
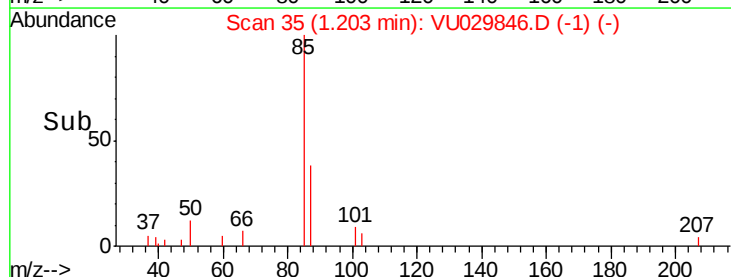
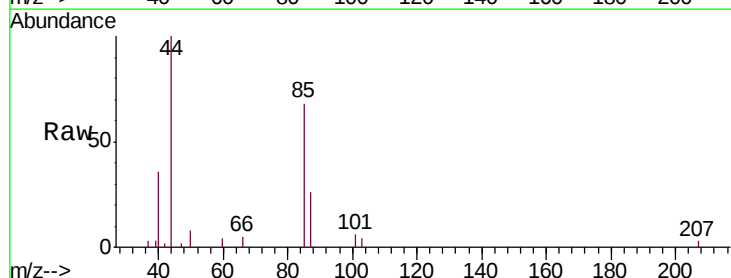
Acq: 07 Mar 2019 10:49

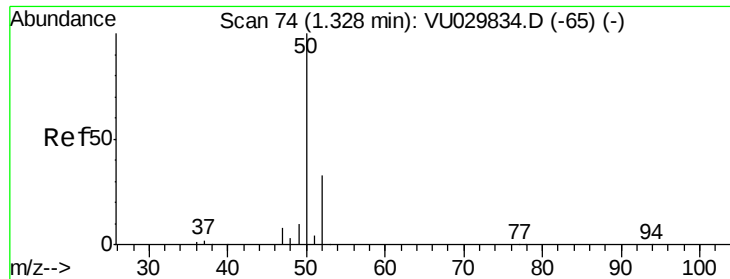
Tgt Ion: 85 Resp: 3627

Ion Ratio Lower Upper

85 100

87 37.9 16.2 48.6





#3

Chloromethane

Concen: 0.273 ug/l

RT: 1.33 min Scan# 74

Delta R.T. -0.00 min

Lab File: VU029846.D

Acq: 07 Mar 2019 10:49

Instrument :

MSVOA_U

ClientSampleId :

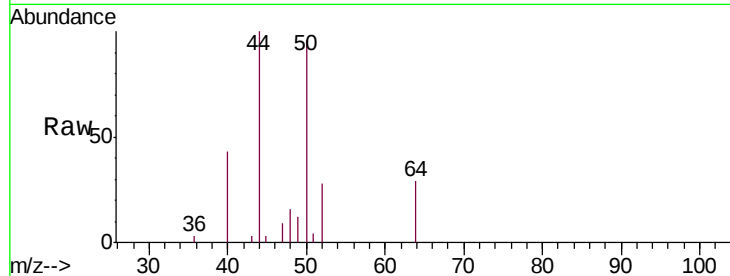
MDL03

Tgt Ion: 50 Resp: 4630

Ion Ratio Lower Upper

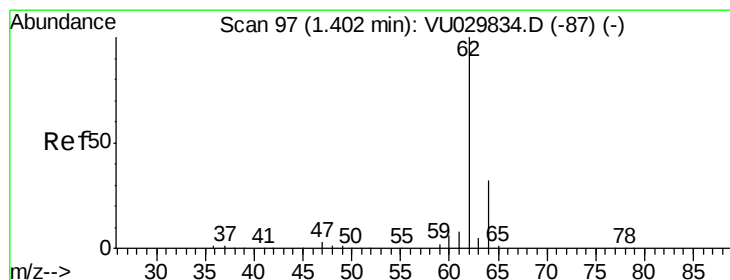
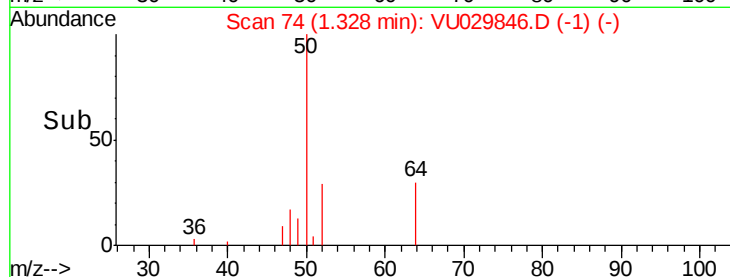
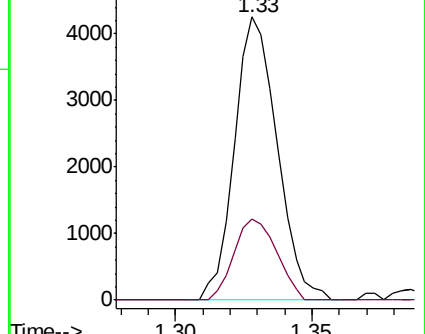
50 100

52 28.8 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: 0.236 ug/l

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU029846.D

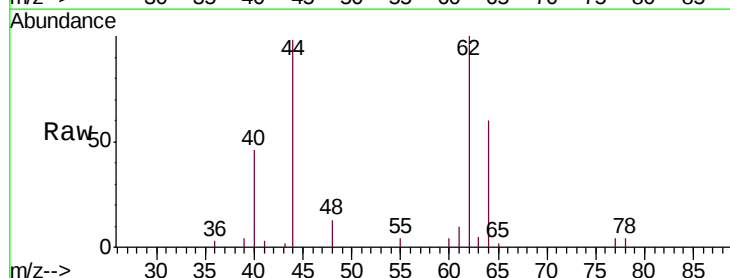
Acq: 07 Mar 2019 10:49

Tgt Ion: 62 Resp: 4499

Ion Ratio Lower Upper

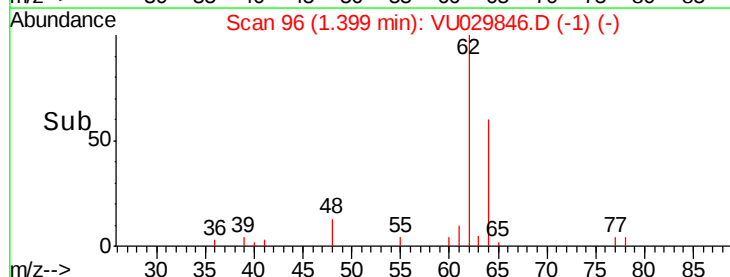
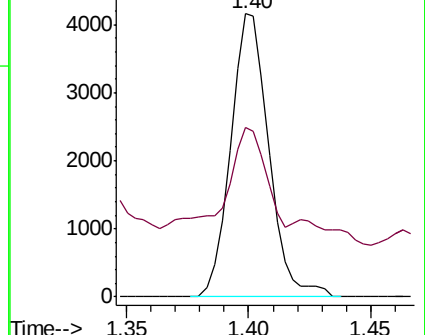
62 100

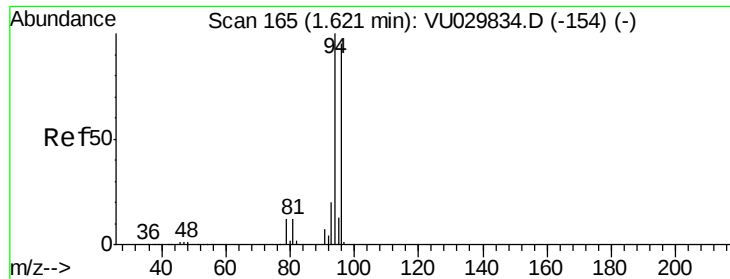
64 36.3 25.7 38.5



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0





#5

Bromomethane

Concen: 0.319 ug/l

RT: 1.63 min Scan# 167

Delta R.T. 0.01 min

Lab File: VU029846.D

Acq: 07 Mar 2019 10:49

Instrument :

MSVOA_U

ClientSampleId :

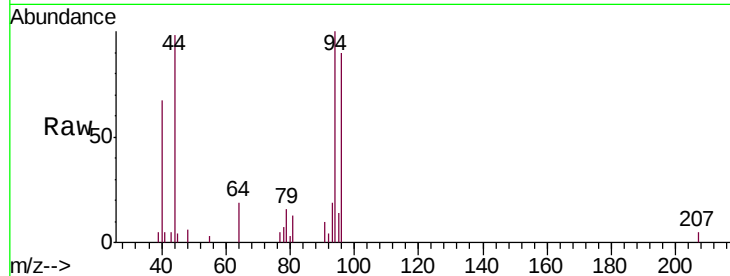
MDL03

Tgt Ion: 94 Resp: 4154

Ion Ratio Lower Upper

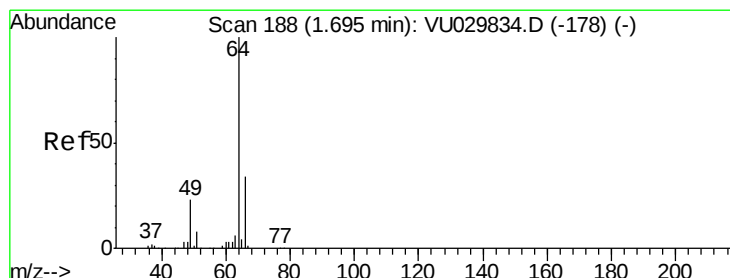
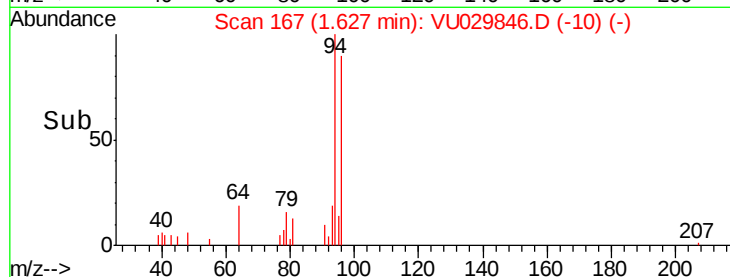
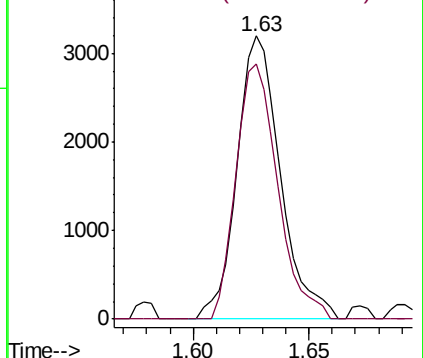
94 100

96 90.1 76.4 114.6



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0



#6

Chloroethane

Concen: 0.242 ug/l

RT: 1.70 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU029846.D

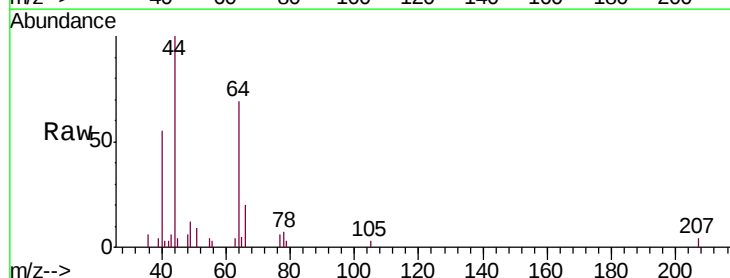
Acq: 07 Mar 2019 10:49

Tgt Ion: 64 Resp: 2773

Ion Ratio Lower Upper

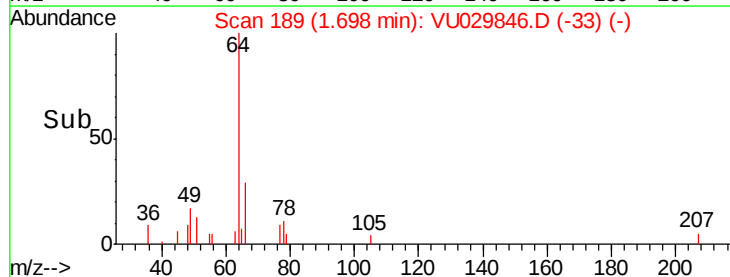
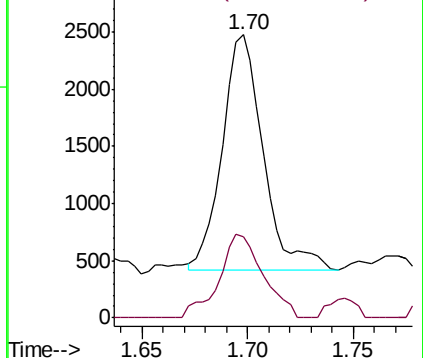
64 100

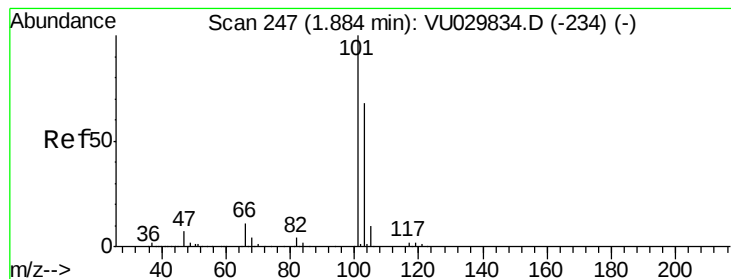
66 29.2 27.3 40.9



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0



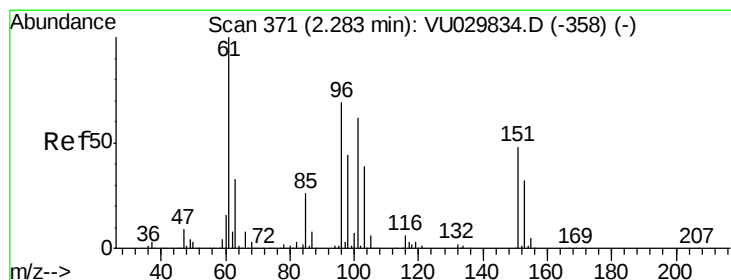
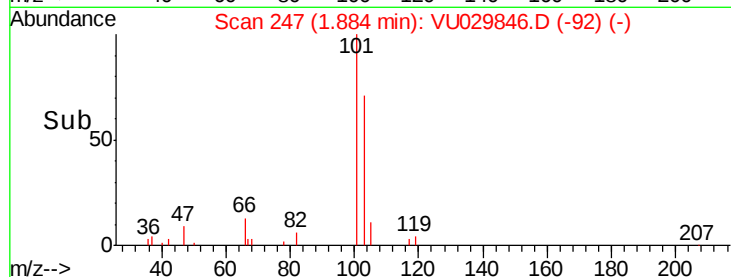
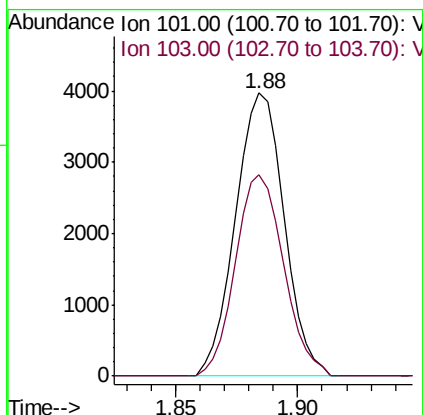
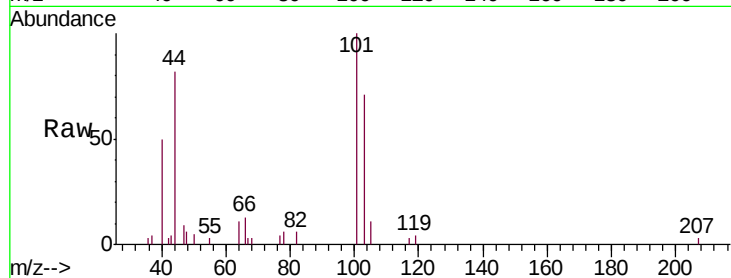


#7

Trichlorofluoromethane
Concen: 0.212 ug/l
RT: 1.88 min Scan# 247
Delta R.T. -0.00 min
Lab File: VU029846.D
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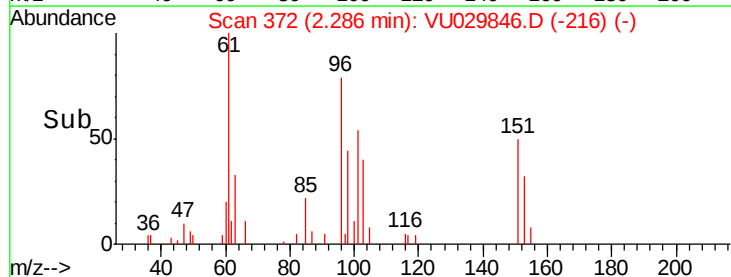
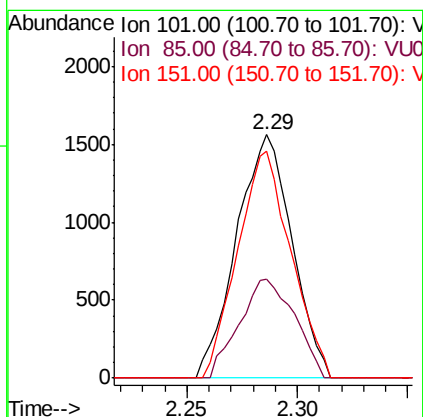
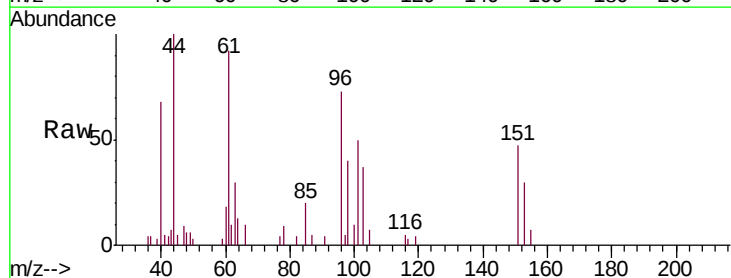
Tgt Ion:101 Resp: 5500
Ion Ratio Lower Upper
101 100
103 71.2 54.2 81.2

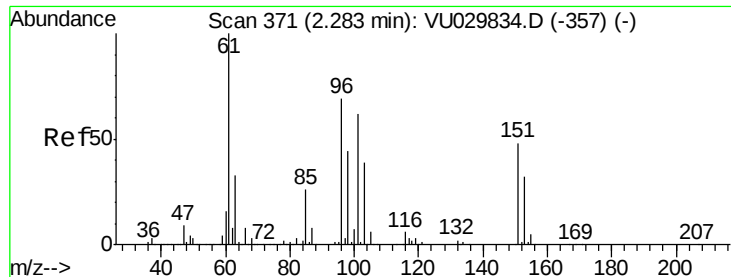


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.180 ug/l
RT: 2.29 min Scan# 372
Delta R.T. 0.00 min
Lab File: VU029846.D
Acq: 07 Mar 2019 10:49

Tgt Ion:101 Resp: 2724
Ion Ratio Lower Upper
101 100
85 40.5 33.4 50.0
151 89.6 64.6 97.0





#9

1,1-Dichloroethene

Concen: 0.248 ug/l

RT: 2.28 min Scan# 371

Delta R.T. -0.00 min

Lab File: VU029846.D

Acq: 07 Mar 2019 10:49

Instrument :

MSVOA_U

ClientSampled :

MDL03

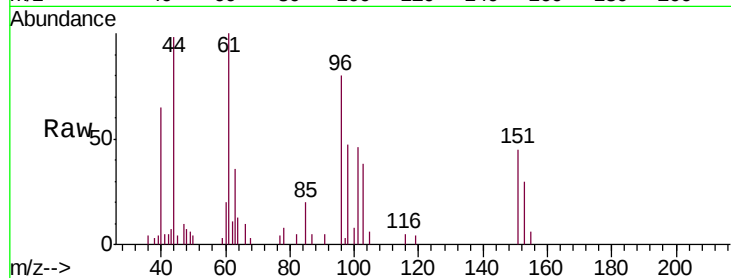
Tgt Ion: 96 Resp: 3666

Ion Ratio Lower Upper

96 100

61 125.6 0.0 435.3

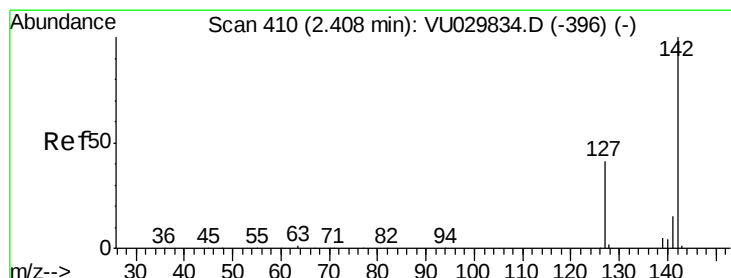
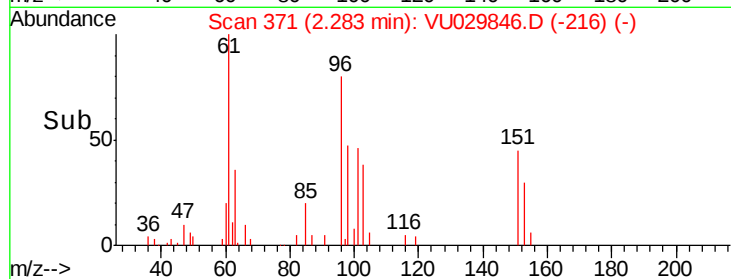
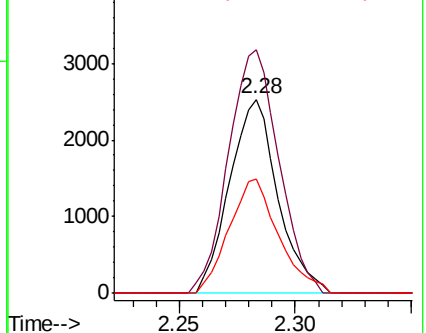
98 59.1 0.0 128.6



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



#10

Iodomethane

Concen: 0.773 ug/l

RT: 2.41 min Scan# 410

Delta R.T. 0.00 min

Lab File: VU029846.D

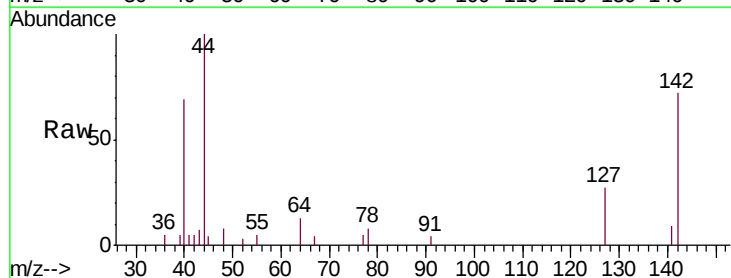
Acq: 07 Mar 2019 10:49

Tgt Ion: 142 Resp: 3357

Ion Ratio Lower Upper

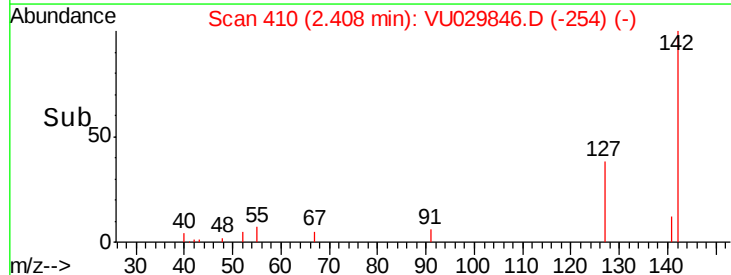
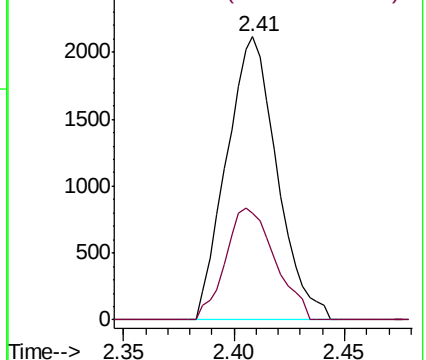
142 100

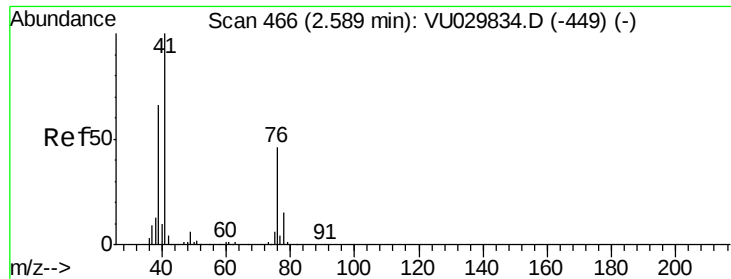
127 38.8 32.3 48.5



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

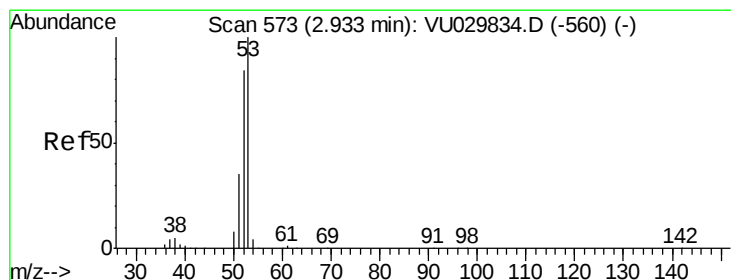
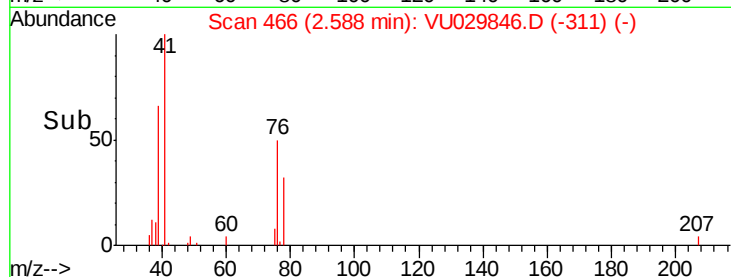
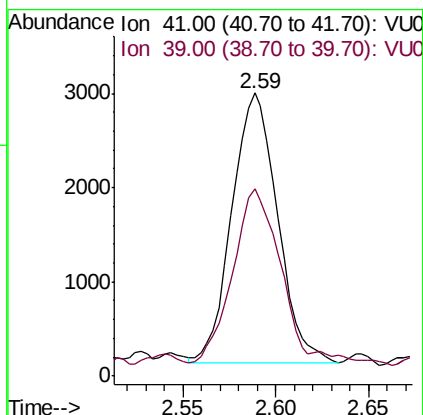
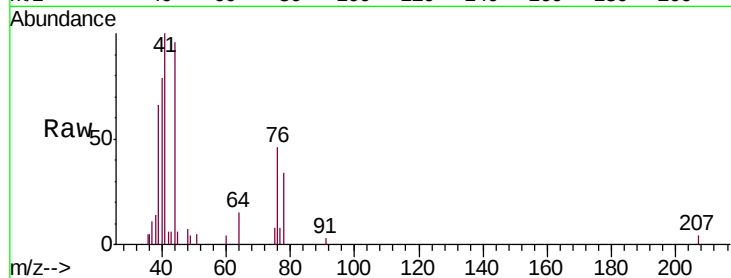




#11
 Allyl Chloride
 Concen: 0.235 ug/l
 RT: 2.59 min Scan# 466
 Delta R.T. -0.00 min
 Lab File: VU029846.D
 Acq: 07 Mar 2019 10:49

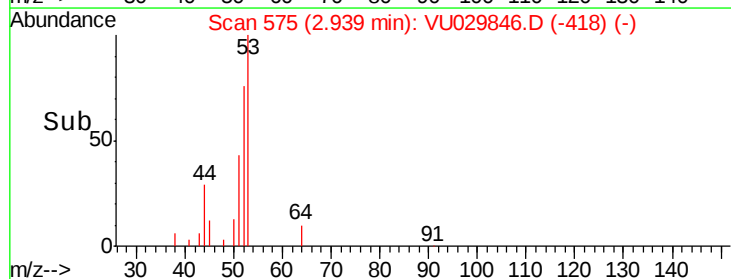
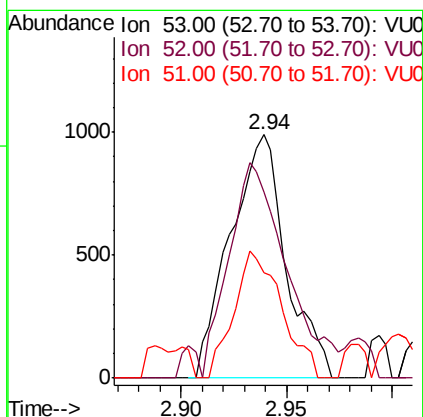
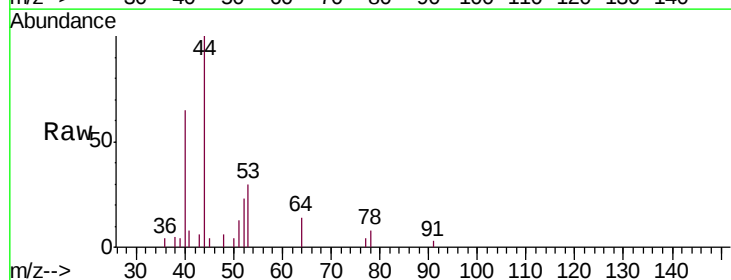
Instrument :
 MSVOA_U
 ClientSampled :
 MDL03

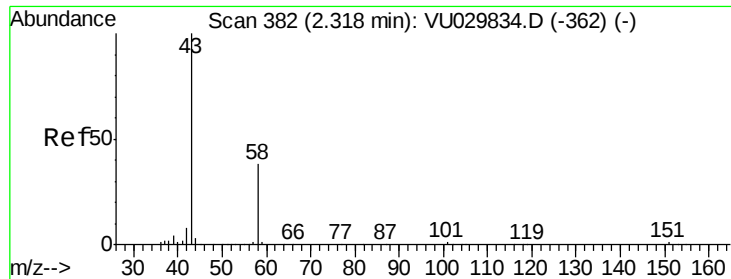
Tgt Ion: 41 Resp: 4891
 Ion Ratio Lower Upper
 41 100
 39 71.7 51.6 77.4



#12
 Acrylonitrile
 Concen: 0.562 ug/l
 RT: 2.94 min Scan# 575
 Delta R.T. 0.01 min
 Lab File: VU029846.D
 Acq: 07 Mar 2019 10:49

Tgt Ion: 53 Resp: 1815
 Ion Ratio Lower Upper
 53 100
 52 92.2 66.5 99.7
 51 44.7 28.6 42.8#





#13

Acetone

Concen: 1.444 ug/l

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VU029846.D

Acq: 07 Mar 2019 10:49

Instrument :

MSVOA_U

ClientSampleId :

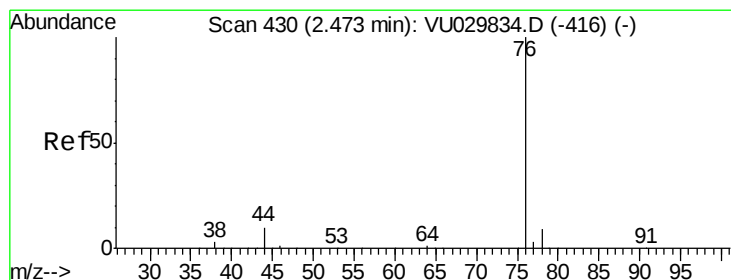
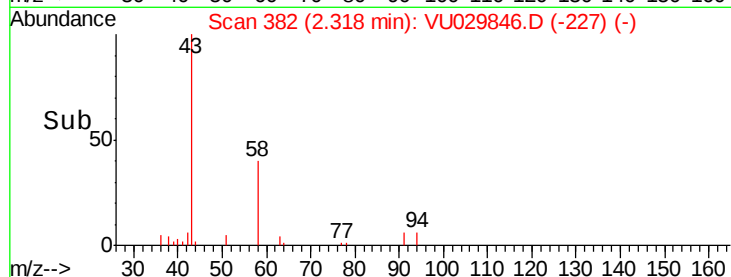
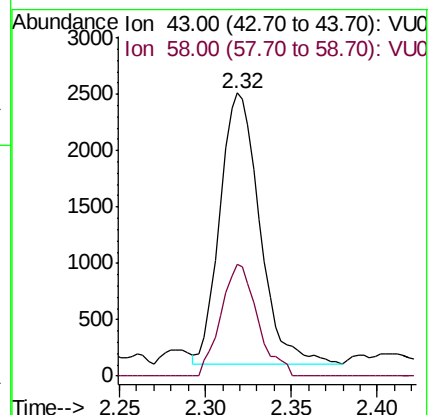
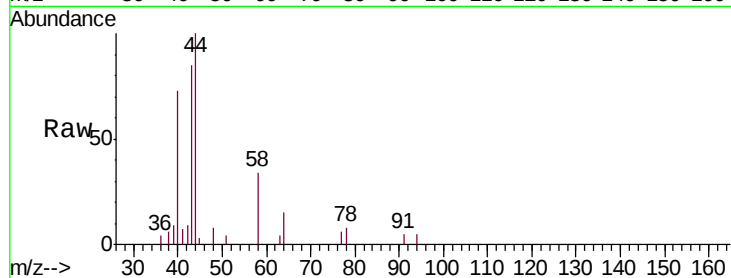
MDL03

Tgt Ion: 43 Resp: 3859

Ion Ratio Lower Upper

43 100

58 41.6 30.2 45.2



#14

Carbon Disulfide

Concen: 0.255 ug/l

RT: 2.47 min Scan# 430

Delta R.T. -0.00 min

Lab File: VU029846.D

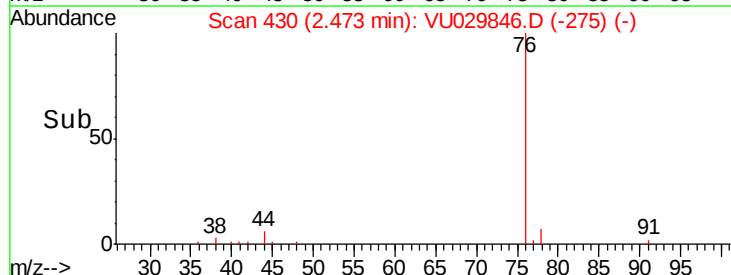
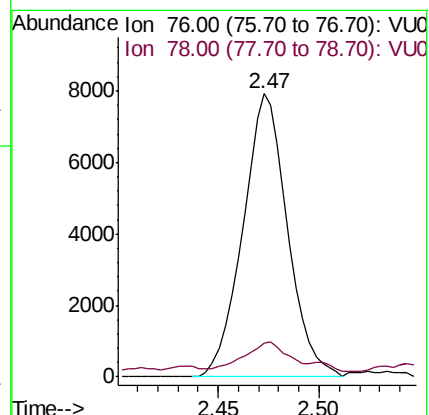
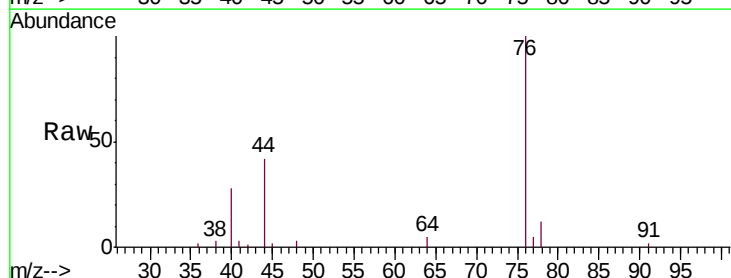
Acq: 07 Mar 2019 10:49

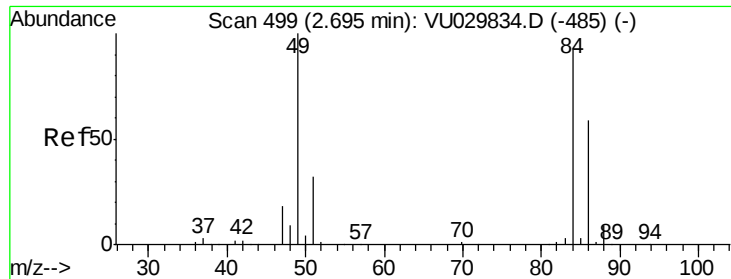
Tgt Ion: 76 Resp: 12219

Ion Ratio Lower Upper

76 100

78 9.6 7.2 10.8

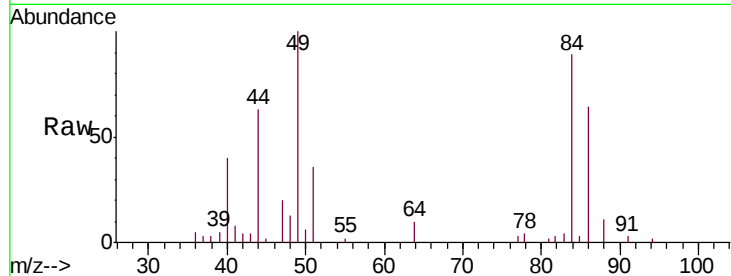




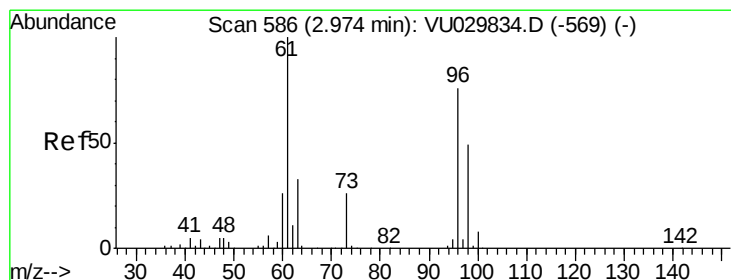
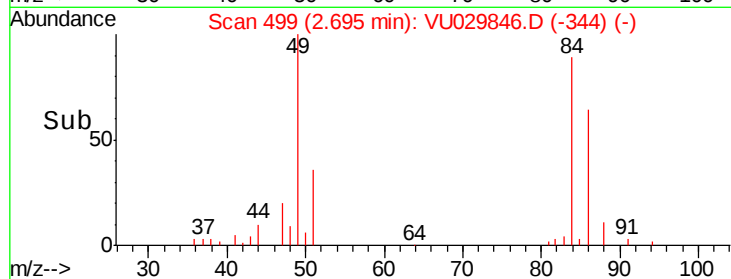
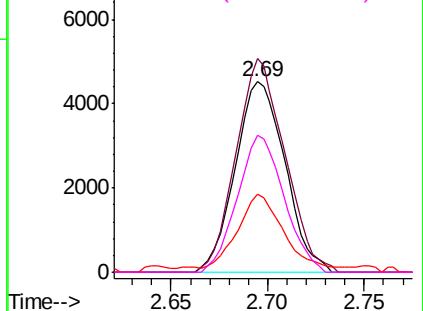
#15
Methylene Chloride
Concen: 0.455 ug/l
RT: 2.69 min Scan# 499
Delta R.T. -0.00 min
Lab File: VU029846.D
Acq: 07 Mar 2019 10:49

Instrument :
MSVOA_U
ClientSampleId :
MDL03

Tgt Ion: 84 Resp: 8075
Ion Ratio Lower Upper
84 100
49 112.0 87.2 130.8
51 38.4 0.0 69.0
86 71.7 51.3 76.9

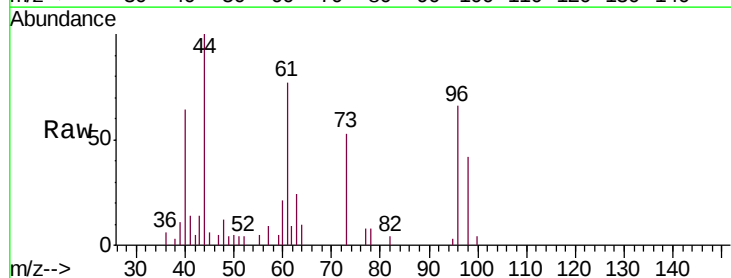


Abundance Ion 84.00 (83.70 to 84.70): VU0
Ion 49.00 (48.70 to 49.70): VU0
Ion 51.00 (50.70 to 51.70): VU0
Ion 86.00 (85.70 to 86.70): VU0

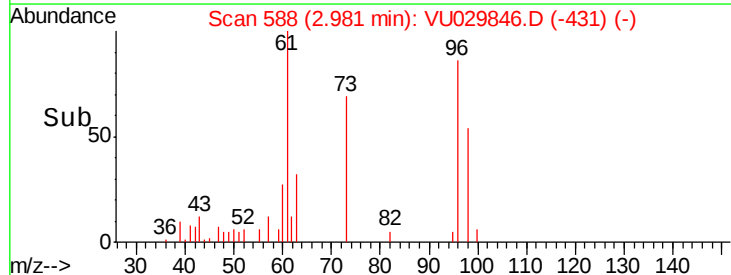
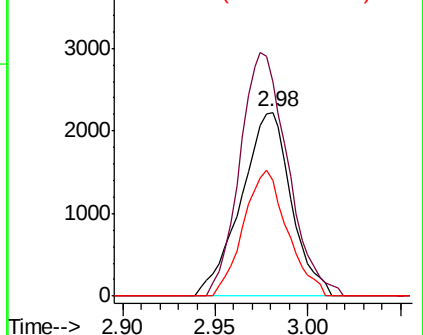


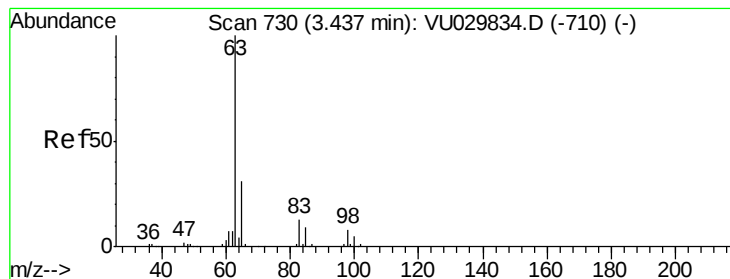
#16
trans-1,2-Dichloroethene
Concen: 0.250 ug/l
RT: 2.98 min Scan# 588
Delta R.T. 0.01 min
Lab File: VU029846.D
Acq: 07 Mar 2019 10:49

Tgt Ion: 96 Resp: 4185
Ion Ratio Lower Upper
96 100
61 116.6 104.7 157.1
98 63.2 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: 0.243 ug/l

RT: 3.44 min Scan# 731

Delta R.T. 0.00 min

Lab File: VU029846.D

Acq: 07 Mar 2019 10:49

Instrument :

MSVOA_U

ClientSampleId :

MDL03

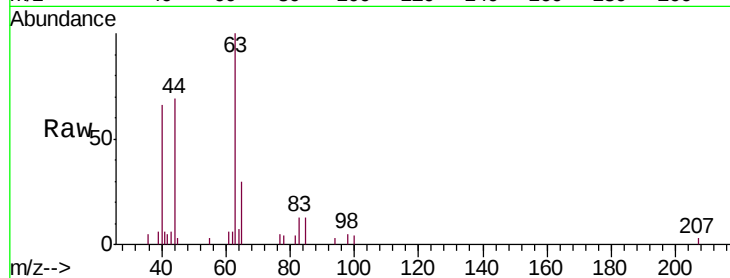
Tgt Ion: 63 Resp: 6793

Ion Ratio Lower Upper

63 100

98 5.0 3.8 11.4

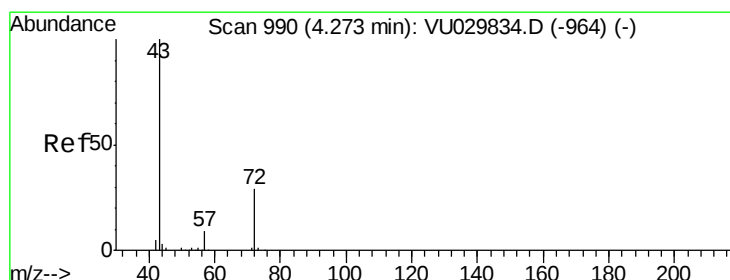
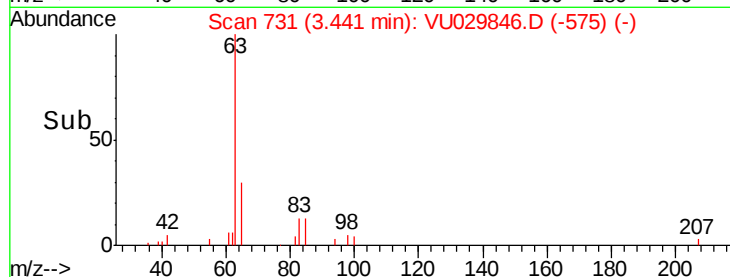
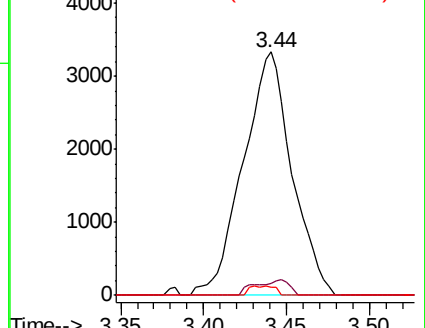
100 3.5 2.4 7.1



Abundance Ion 63.00 (62.70 to 63.70): VU029834.D (-710) (-)

Ion 98.00 (97.70 to 98.70): VU029834.D (-710) (-)

Ion 100.00 (99.70 to 100.70): VU029834.D (-710) (-)



#18

2-Butanone

Concen: 0.804 ug/l

RT: 4.29 min Scan# 994

Delta R.T. 0.01 min

Lab File: VU029846.D

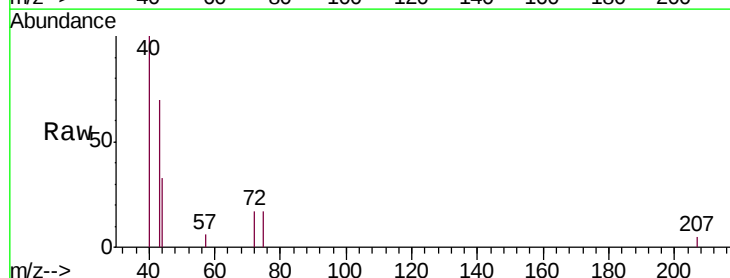
Acq: 07 Mar 2019 10:49

Tgt Ion: 43 Resp: 2919

Ion Ratio Lower Upper

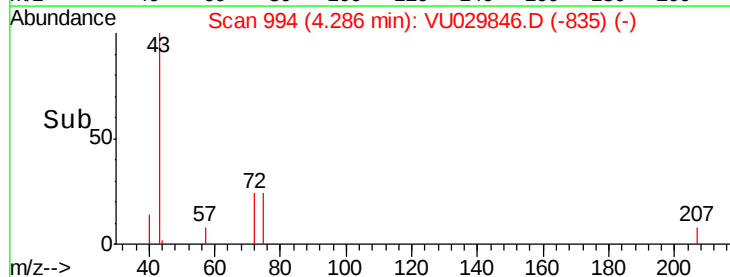
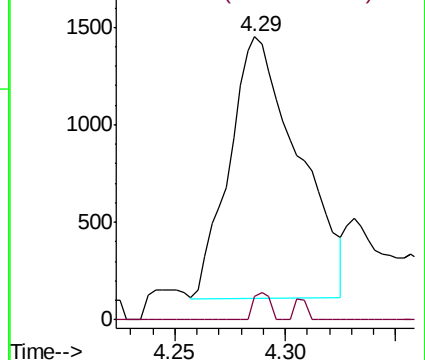
43 100

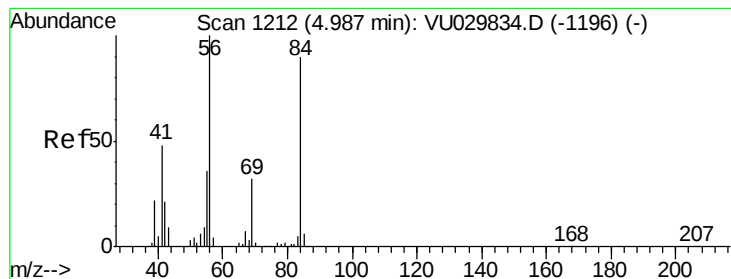
57 9.1 0.0 18.6



Abundance Ion 43.00 (42.70 to 43.70): VU029834.D (-964) (-)

Ion 57.00 (56.70 to 57.70): VU029834.D (-964) (-)





#19

Cyclohexane

Concen: 0.115 ug/l

RT: 4.98 min Scan# 1210

Delta R.T. -0.01 min

Lab File: VU029846.D

Acq: 07 Mar 2019 10:49

Instrument :

MSVOA_U

ClientSampleId :

MDL03

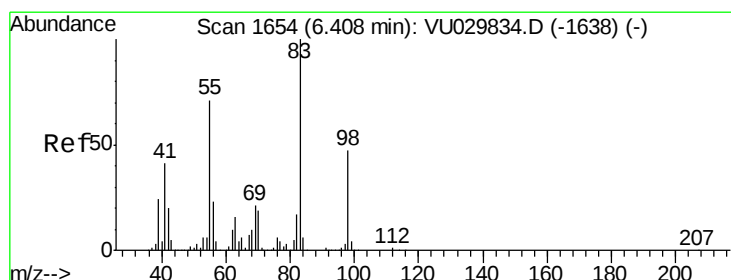
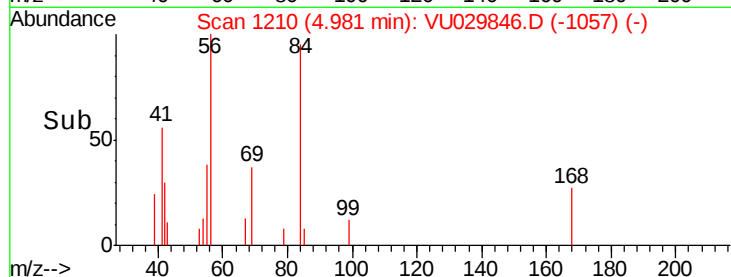
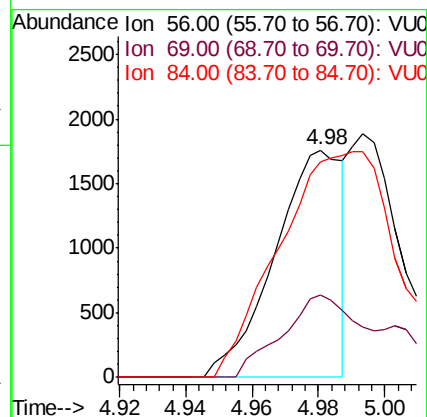
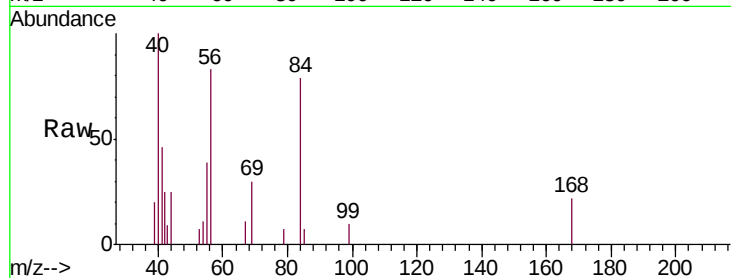
Tgt Ion: 56 Resp: 2500

Ion Ratio Lower Upper

56 100

69 40.8 29.4 44.2

84 170.0 84.6 127.0#



#20

Methylcyclohexane

Concen: 0.163 ug/l

RT: 6.41 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VU029846.D

Acq: 07 Mar 2019 10:49

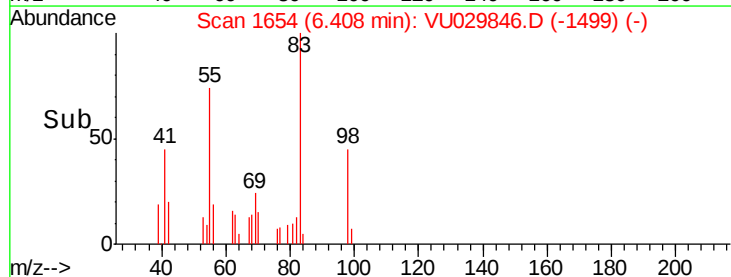
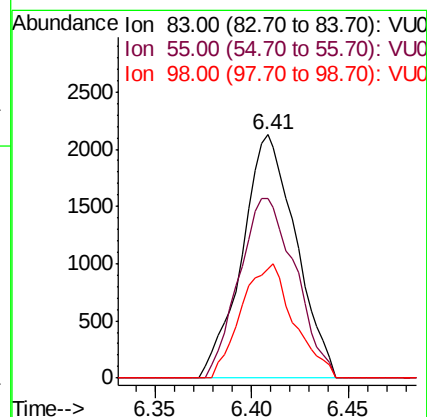
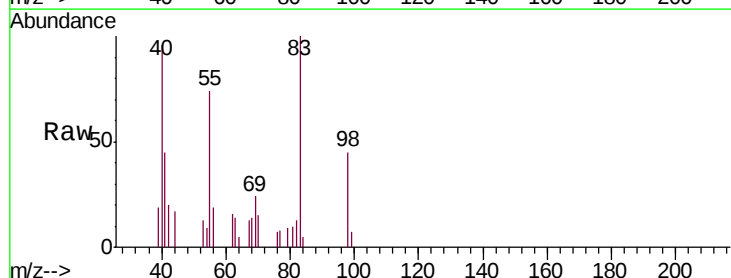
Tgt Ion: 83 Resp: 4117

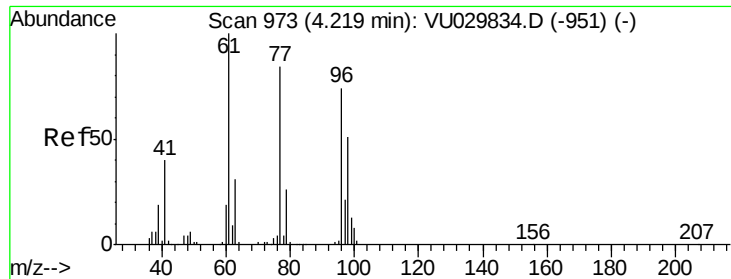
Ion Ratio Lower Upper

83 100

55 77.2 55.9 83.9

98 45.8 37.0 55.4

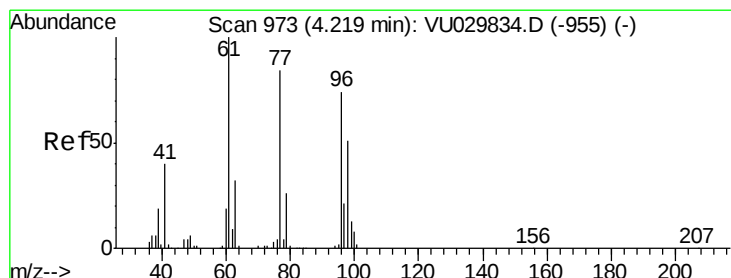
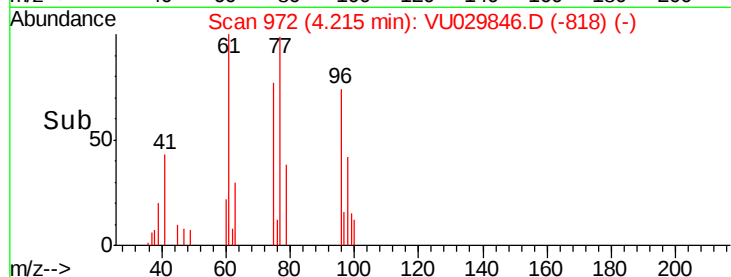
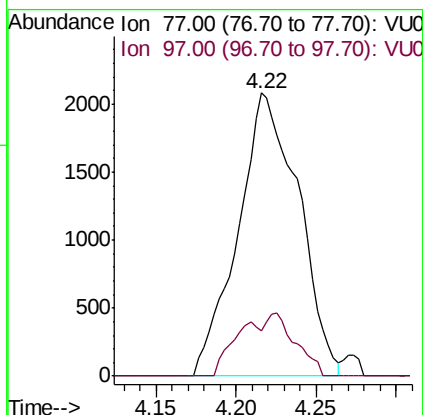
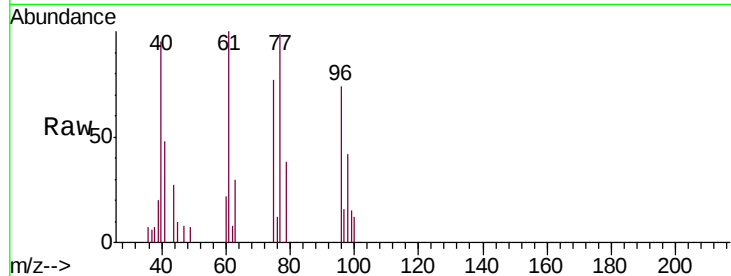




#21
 2,2-Dichloropropane
 Concen: 0.238 ug/l
 RT: 4.22 min Scan# 972
 Delta R.T. -0.00 min
 Lab File: VU029846.D
 Acq: 07 Mar 2019 10:49

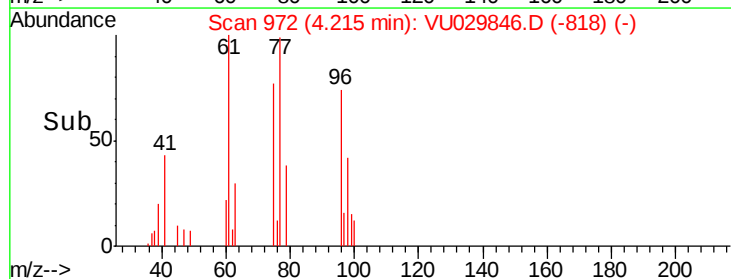
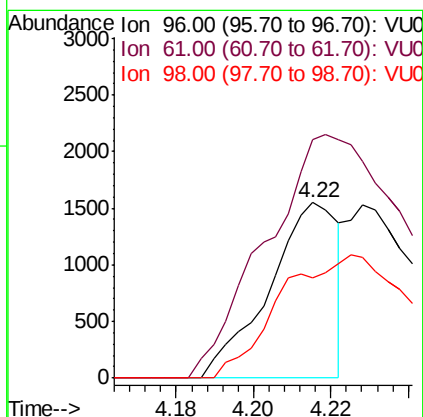
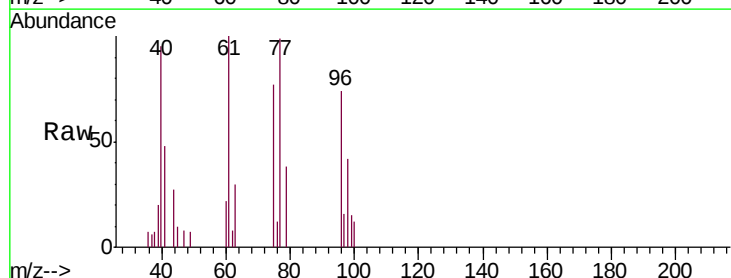
Instrument :
 MSVOA_U
 ClientSampled :
 MDL03

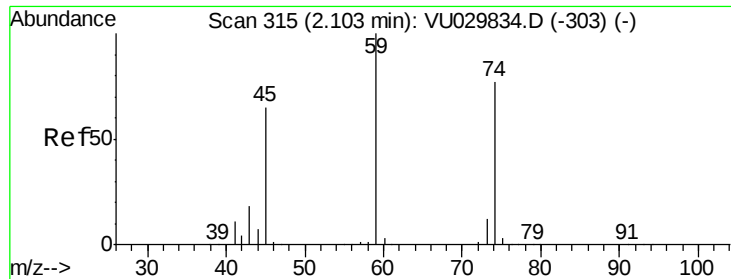
Tgt Ion: 77 Resp: 5439
 Ion Ratio Lower Upper
 77 100
 97 9.2 20.2 30.2#



#22
 cis-1,2-Dichloroethene
 Concen: 0.108 ug/l
 RT: 4.22 min Scan# 972
 Delta R.T. -0.00 min
 Lab File: VU029846.D
 Acq: 07 Mar 2019 10:49

Tgt Ion: 96 Resp: 1922
 Ion Ratio Lower Upper
 96 100
 61 292.9 0.0 339.0
 98 133.7 33.1 99.5#

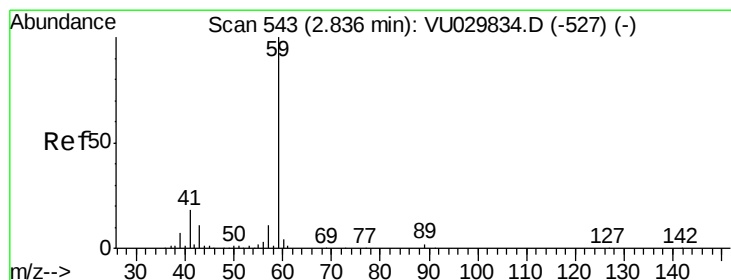
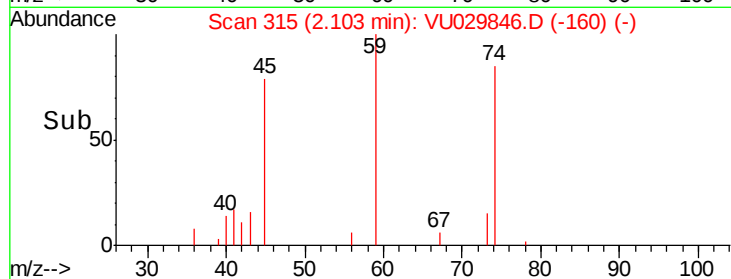
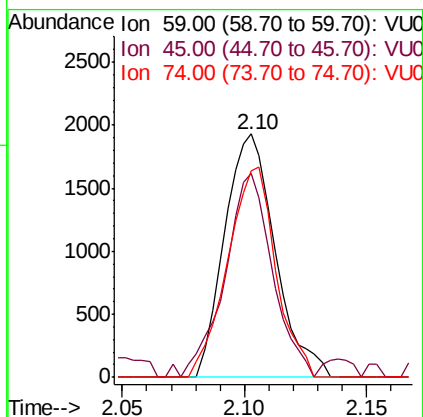
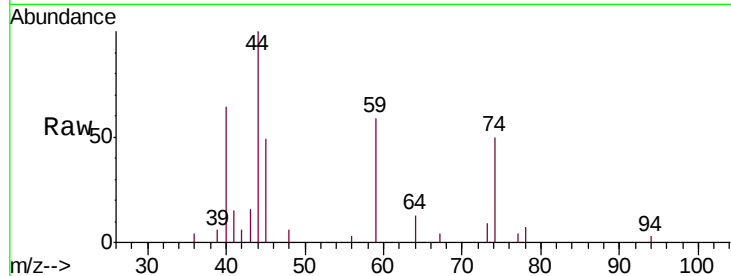




#23
Diethyl Ether
Concen: 0.250 ug/l
RT: 2.10 min Scan# 315
Delta R.T. -0.00 min
Lab File: VU029846.D
Acq: 07 Mar 2019 10:49

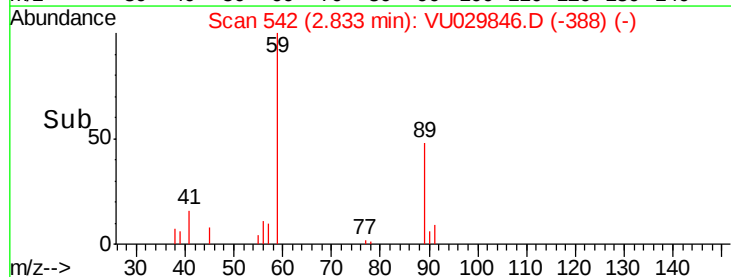
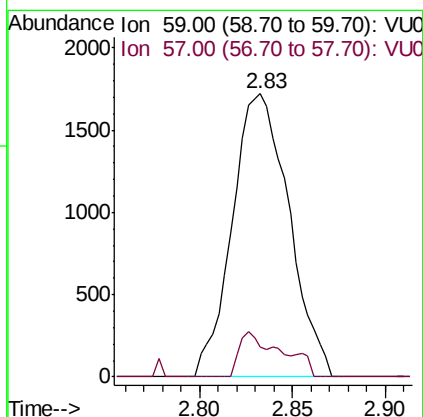
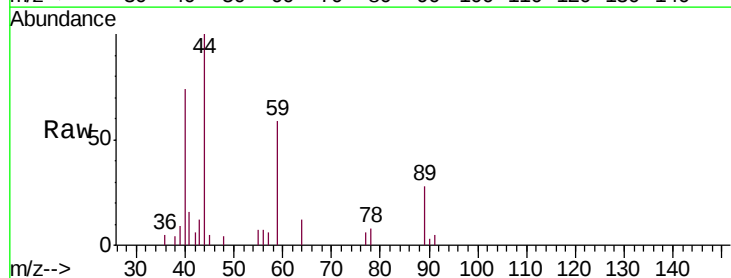
Instrument :
MSVOA_U
ClientSampleId :
MDL03

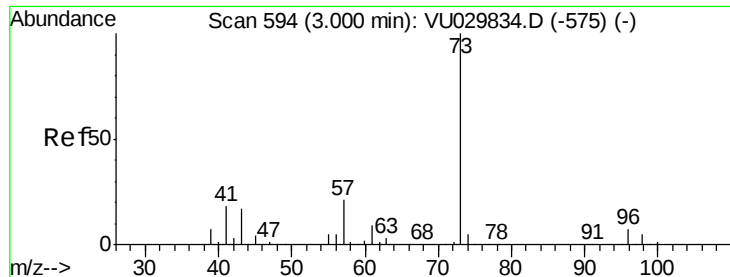
Tgt Ion: 59 Resp: 2777
Ion Ratio Lower Upper
59 100
45 79.4 52.7 79.1#
74 82.5 61.8 92.6



#24
tert-Butyl Alcohol
Concen: 3.192 ug/l
RT: 2.83 min Scan# 542
Delta R.T. -0.00 min
Lab File: VU029846.D
Acq: 07 Mar 2019 10:49

Tgt Ion: 59 Resp: 3653
Ion Ratio Lower Upper
59 100
57 9.8 8.5 12.7





#25

Methyl tert-Butyl Ether

Concen: 0.239 ug/l

RT: 3.00 min Scan# 594

Delta R.T. -0.00 min

Lab File: VU029846.D

Acq: 07 Mar 2019 10:49

Instrument :

MSVOA_U

ClientSampleId :

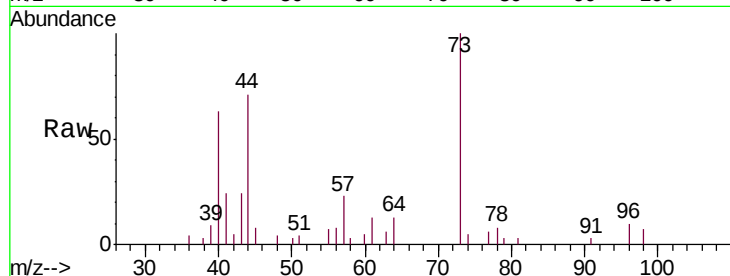
MDL03

Tgt Ion: 73 Resp: 8922

Ion Ratio Lower Upper

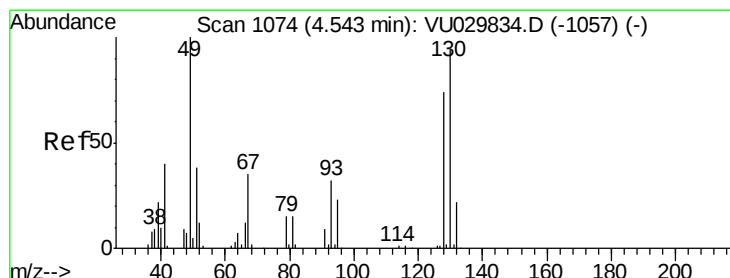
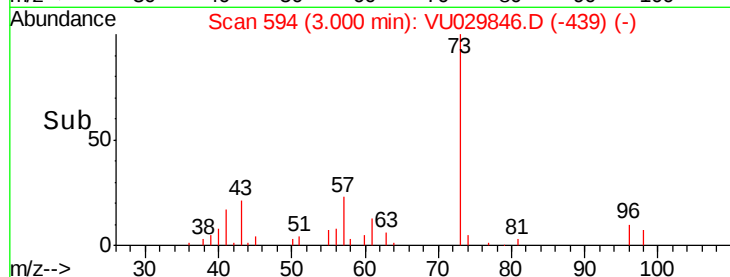
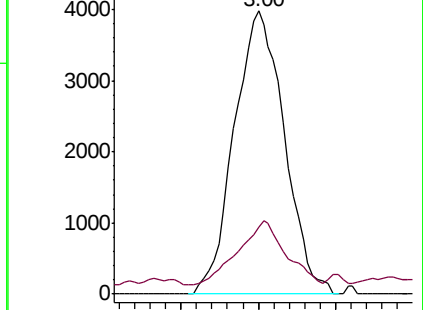
73 100

43 21.5 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) (-)



#26

Bromochloromethane

Concen: 0.247 ug/l

RT: 4.54 min Scan# 1074

Delta R.T. -0.00 min

Lab File: VU029846.D

Acq: 07 Mar 2019 10:49

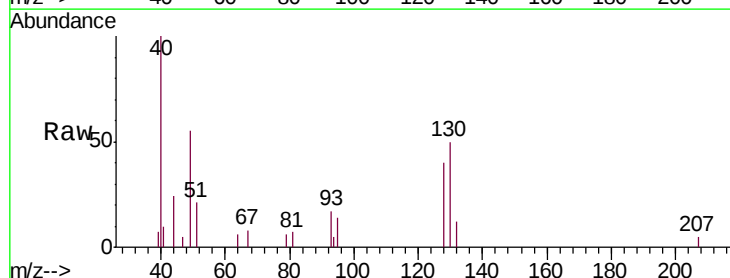
Tgt Ion: 128 Resp: 1944

Ion Ratio Lower Upper

128 100

49 138.0 0.0 270.6

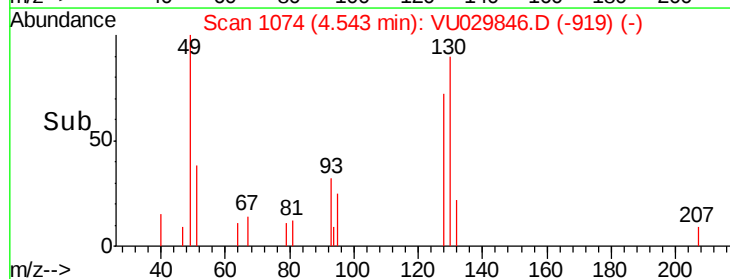
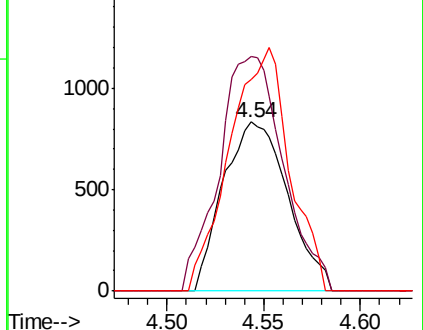
130 133.4 104.2 156.4

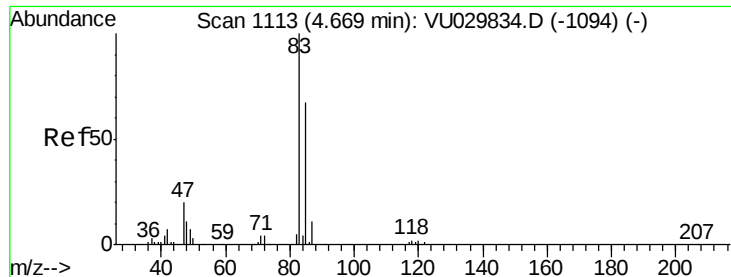


Abundance Ion 128.00 (127.70 to 128.70): VU029834.D (-1057) (-)

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

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





#27

Chloroform

Concen: 0.246 ug/l

RT: 4.67 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VU029846.D

Acq: 07 Mar 2019 10:49

Instrument :

MSVOA_U

ClientSampled :

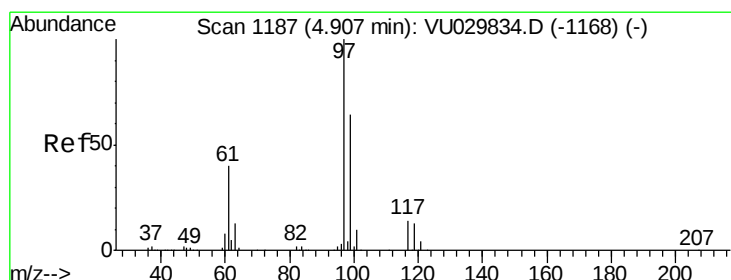
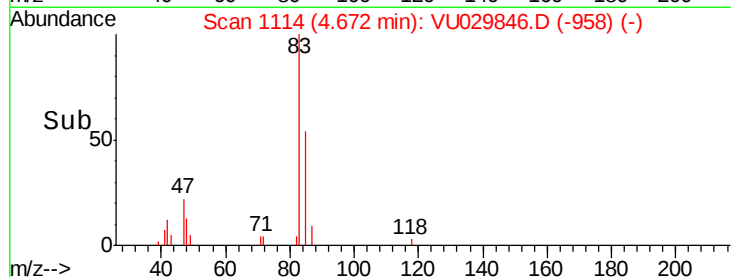
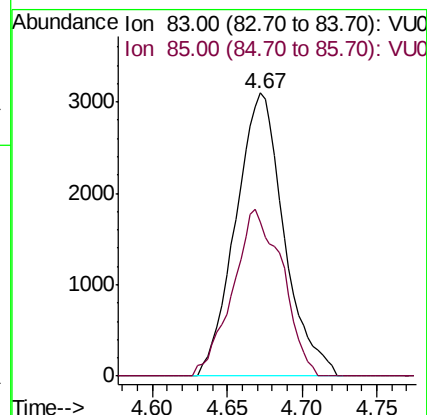
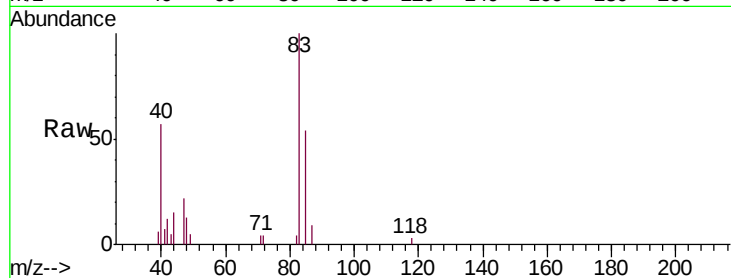
MDL03

Tgt Ion: 83 Resp: 6971

Ion Ratio Lower Upper

83 100

85 54.3 0.0 133.2



#28

1,1,1-Trichloroethane

Concen: 0.224 ug/l

RT: 4.91 min Scan# 1187

Delta R.T. -0.00 min

Lab File: VU029846.D

Acq: 07 Mar 2019 10:49

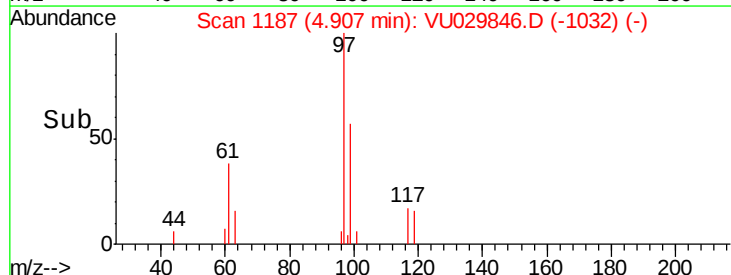
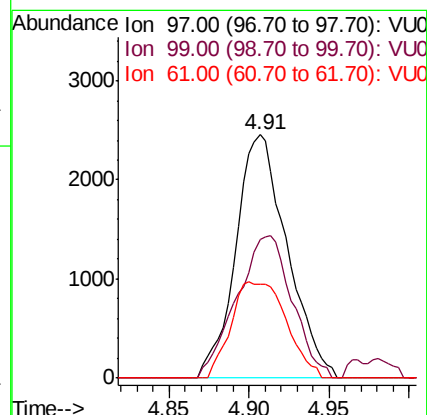
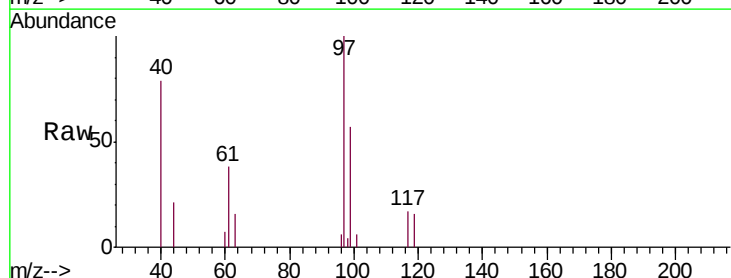
Tgt Ion: 97 Resp: 5385

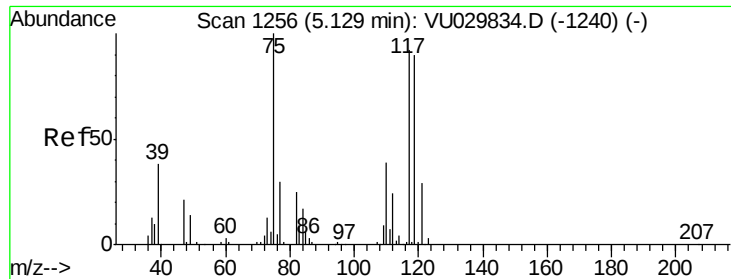
Ion Ratio Lower Upper

97 100

99 63.3 31.9 95.9

61 42.4 20.4 61.3





#29

1,1-Dichloropropene

Concen: 0.222 ug/l

RT: 5.13 min Scan# 1258

Delta R.T. 0.01 min

Lab File: VU029846.D

Acq: 07 Mar 2019 10:49

Instrument :

MSVOA_U

ClientSampled :

MDL03

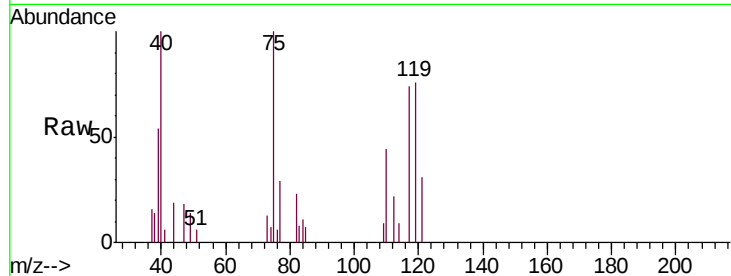
Tgt Ion: 75 Resp: 4733

Ion Ratio Lower Upper

75 100

110 36.4 19.1 57.5

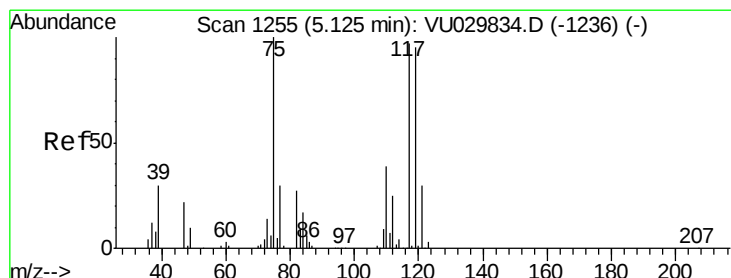
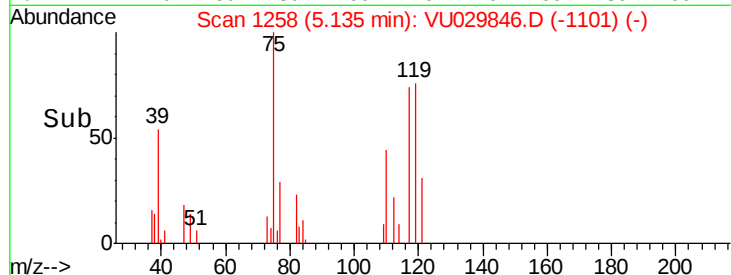
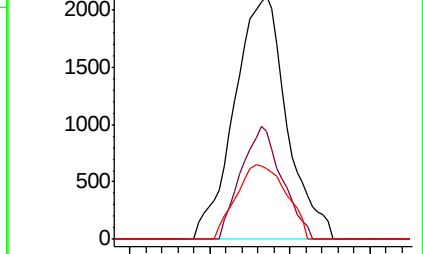
77 29.3 23.9 35.9



Abundance Ion 75.00 (74.70 to 75.70): VU029834.D (-1240) (-)

Ion 110.00 (109.70 to 110.70): VU029834.D (-1240) (-)

Ion 77.00 (76.70 to 77.70): VU029834.D (-1240) (-)



#30

Carbon Tetrachloride

Concen: 0.210 ug/l

RT: 5.13 min Scan# 1255

Delta R.T. -0.00 min

Lab File: VU029846.D

Acq: 07 Mar 2019 10:49

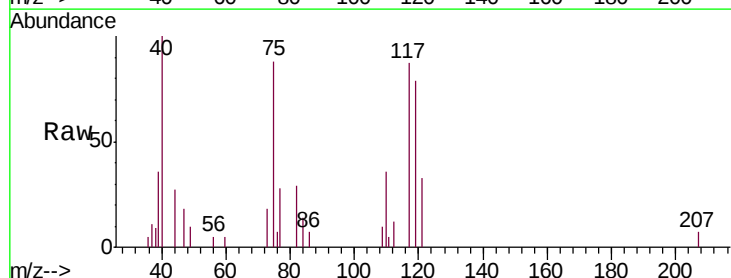
Tgt Ion: 117 Resp: 4409

Ion Ratio Lower Upper

117 100

119 91.0 78.4 117.6

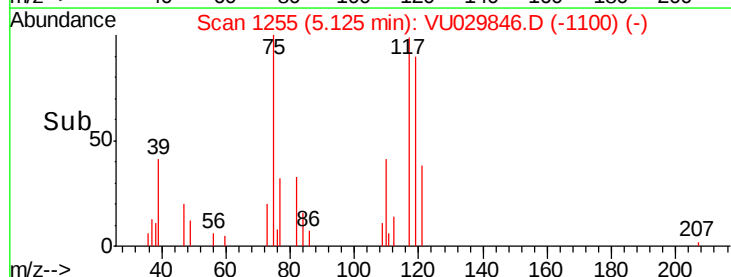
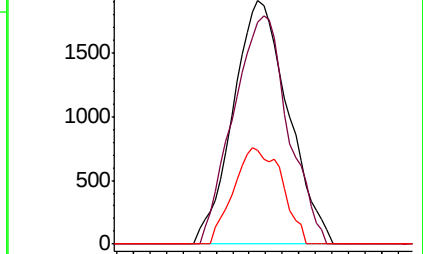
121 38.5 25.0 37.4#

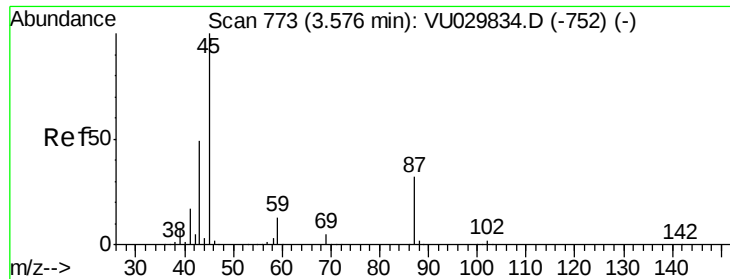


Abundance Ion 117.00 (116.70 to 117.70): VU029834.D (-1236) (-)

Ion 119.00 (118.70 to 119.70): VU029834.D (-1236) (-)

Ion 121.00 (120.70 to 121.70): VU029834.D (-1236) (-)





#31

Isopropyl Ether

Concen: 0.241 ug/l

RT: 3.57 min Scan# 772

Delta R.T. -0.00 min

Lab File: VU029846.D

Acq: 07 Mar 2019 10:49

Instrument :

MSVOA_U

ClientSampled :

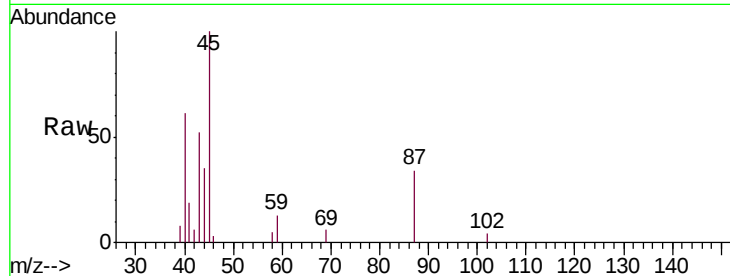
MDL03

Tgt Ion: 45 Resp: 9286

Ion Ratio Lower Upper

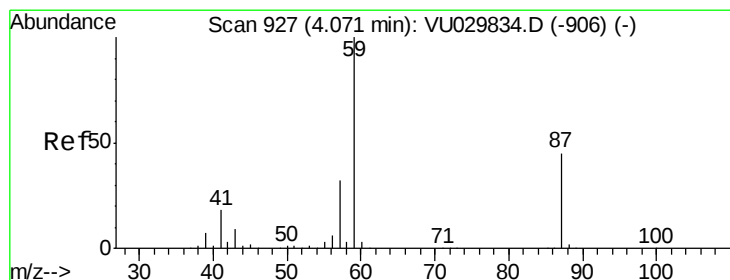
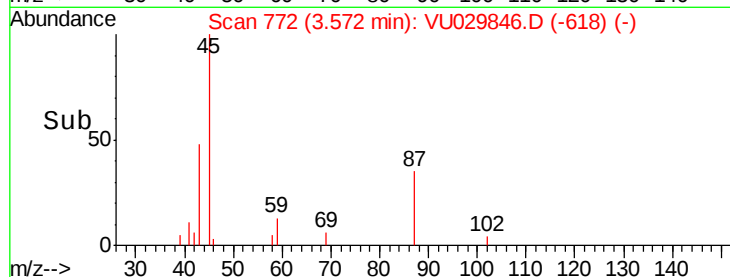
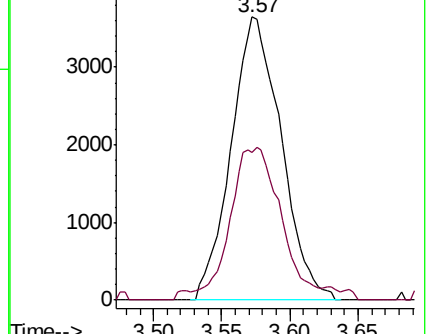
45 100

43 50.3 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) (-)



#32

Ethyl-t-butyl ether

Concen: 0.238 ug/l

RT: 4.06 min Scan# 925

Delta R.T. -0.01 min

Lab File: VU029846.D

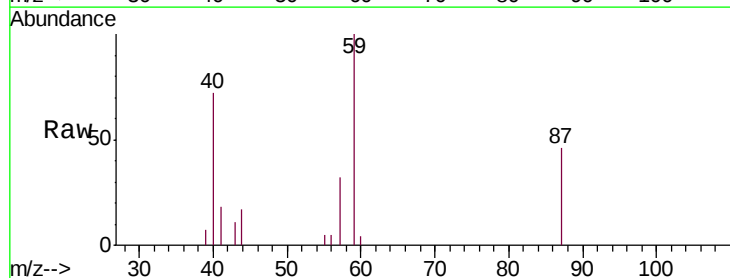
Acq: 07 Mar 2019 10:49

Tgt Ion: 59 Resp: 8928

Ion Ratio Lower Upper

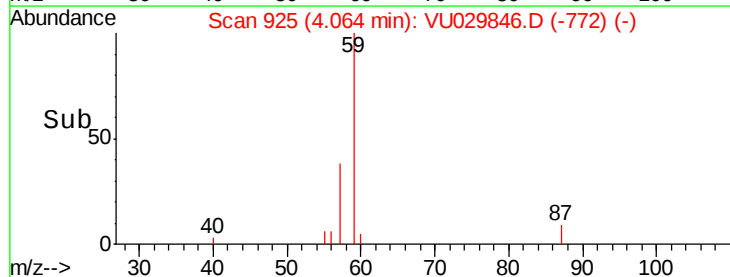
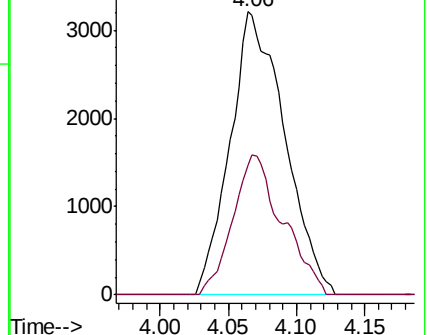
59 100

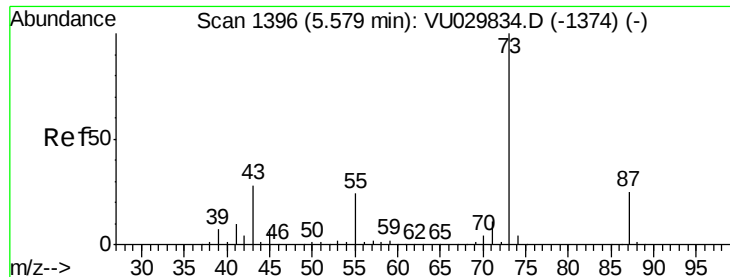
87 45.0 36.2 54.4



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

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

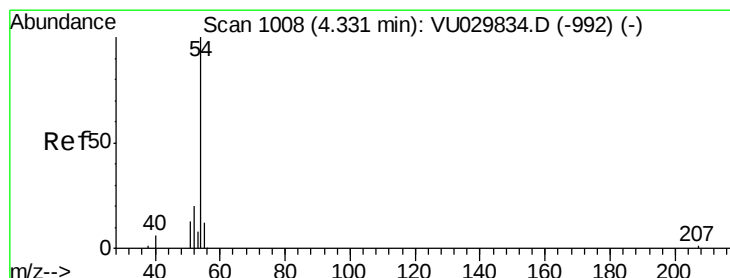
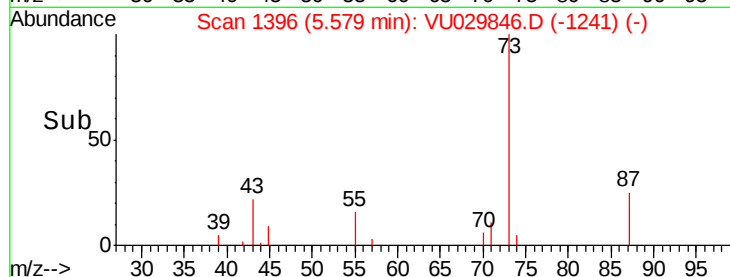
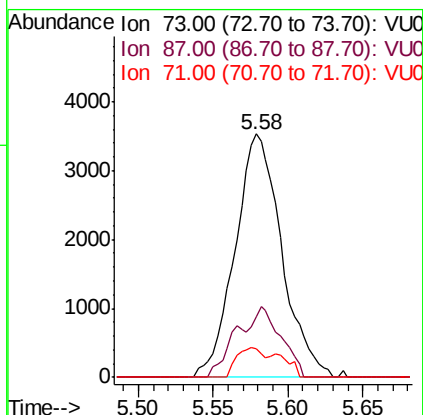
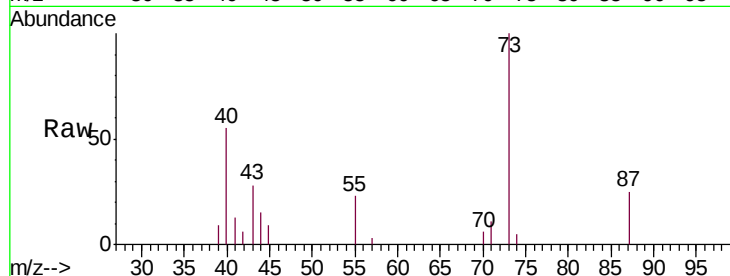




#33
Tert-Amyl methyl ether
Concen: 0.221 ug/l
RT: 5.58 min Scan# 1396
Delta R.T. -0.00 min
Lab File: VU029846.D
Acq: 07 Mar 2019 10:49

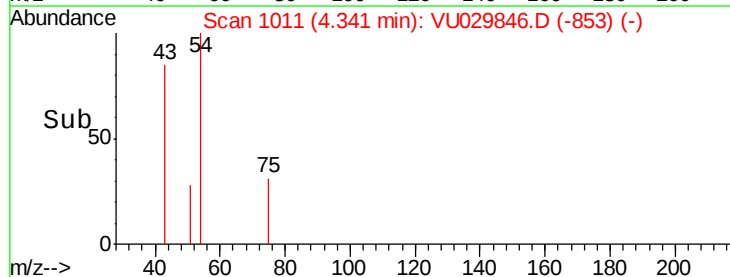
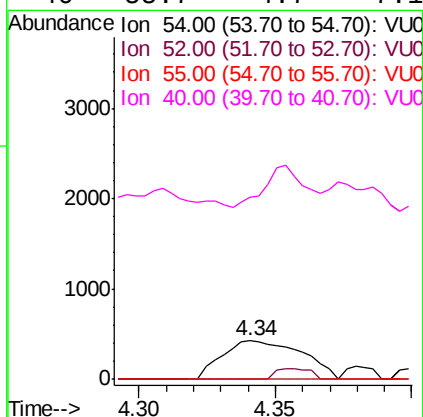
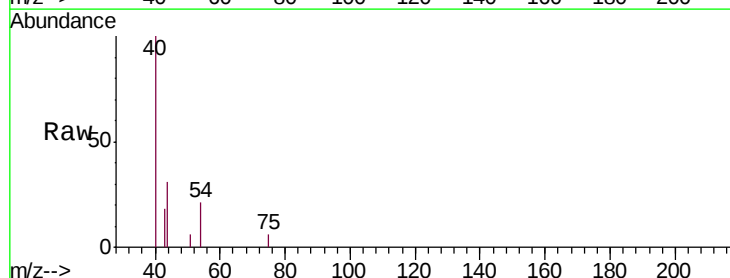
Instrument :
MSVOA_U
ClientSampleId :
MDL03

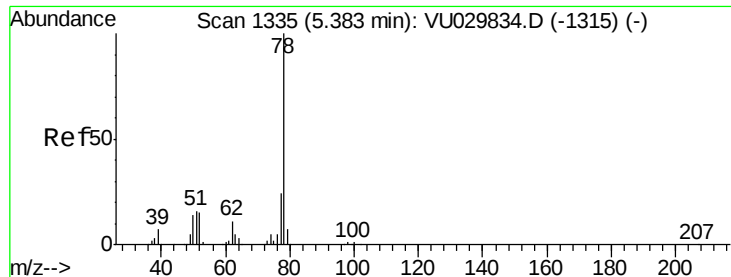
Tgt Ion: 73 Resp: 7652
Ion Ratio Lower Upper
73 100
87 17.9 19.7 29.5#
71 6.9 9.4 14.2#



#34
Propionitrile
Concen: 0.799 ug/l
RT: 4.34 min Scan# 1011
Delta R.T. 0.01 min
Lab File: VU029846.D
Acq: 07 Mar 2019 10:49

Tgt Ion: 54 Resp: 863
Ion Ratio Lower Upper
54 100
52 12.4 16.1 24.1#
55 0.0 11.2 16.8#
40 55.7 4.7 7.1#





#35

Benzene

Concen: 0.227 ug/l

RT: 5.39 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU029846.D

Acq: 07 Mar 2019 10:49

Instrument :

MSVOA_U

ClientSampleId :

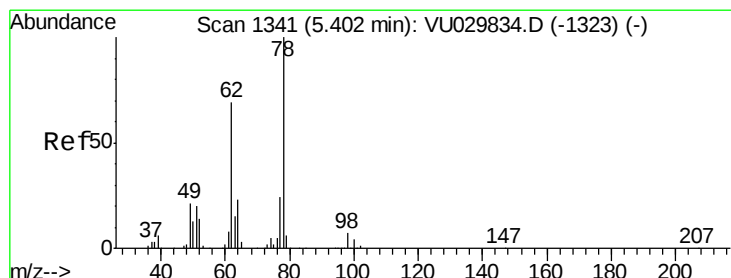
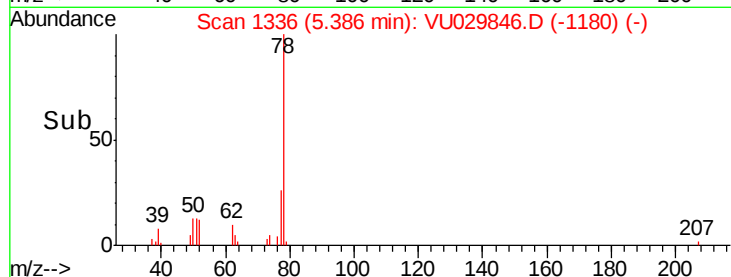
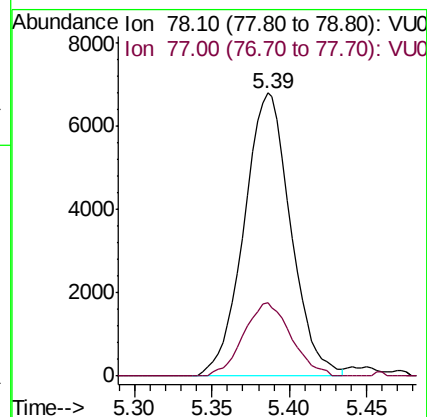
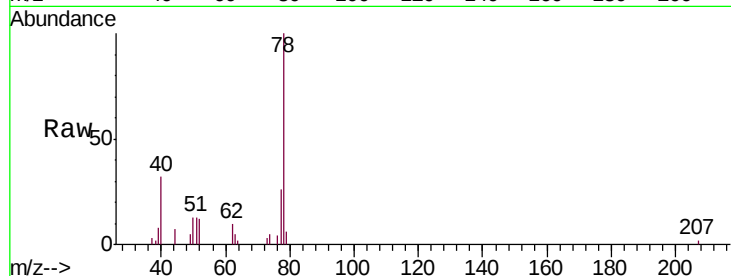
MDL03

Tgt Ion: 78 Resp: 14300

Ion Ratio Lower Upper

78 100

77 25.9 19.2 28.8



#36

1,2-Dichloroethane

Concen: 0.232 ug/l

RT: 5.41 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VU029846.D

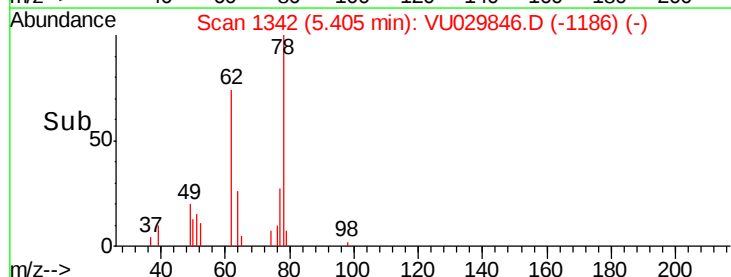
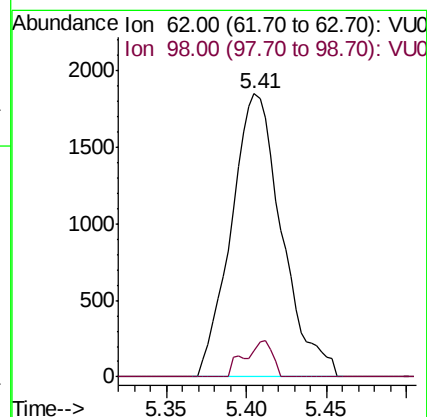
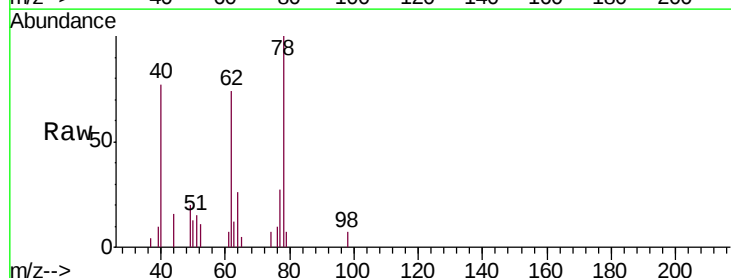
Acq: 07 Mar 2019 10:49

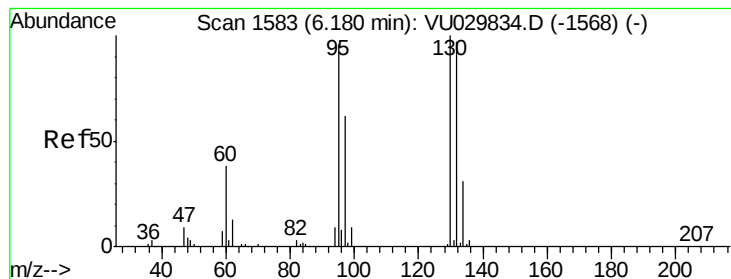
Tgt Ion: 62 Resp: 3988

Ion Ratio Lower Upper

62 100

98 4.4 8.2 12.2#





#37

Trichloroethene

Concen: 0.237 ug/l

RT: 6.18 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VU029846.D

Acq: 07 Mar 2019 10:49

Instrument :

MSVOA_U

ClientSampleId :

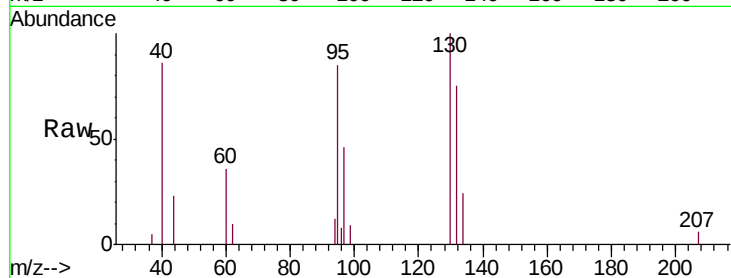
MDL03

Tgt Ion:130 Resp: 4343

Ion Ratio Lower Upper

130 100

95 85.3 76.6 114.8



Abundance Ion 129.90 (129.60 to 130.60): VU029834.D (-1568) (-)

Ion 94.90 (94.60 to 95.60): VU029834.D (-1568) (-)

6.18

2500

2000

1500

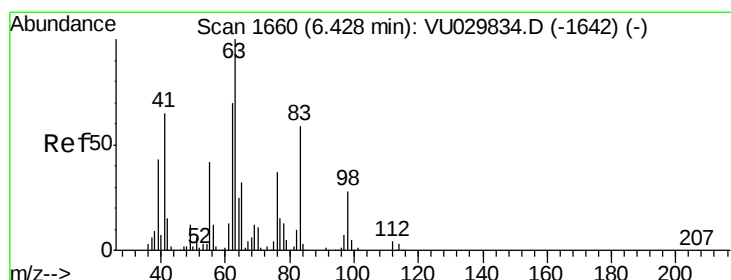
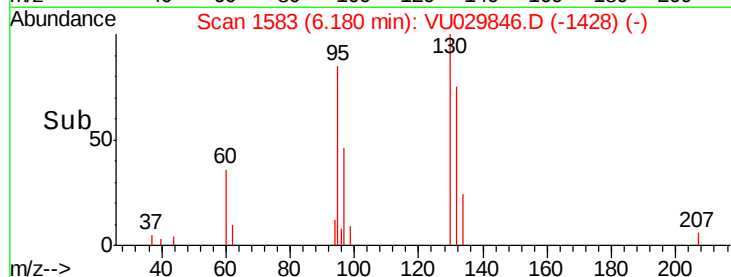
1000

500

0

6.15 6.20 6.25

Time-->



#38

1,2-Dichloropropane

Concen: 0.211 ug/l

RT: 6.43 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VU029846.D

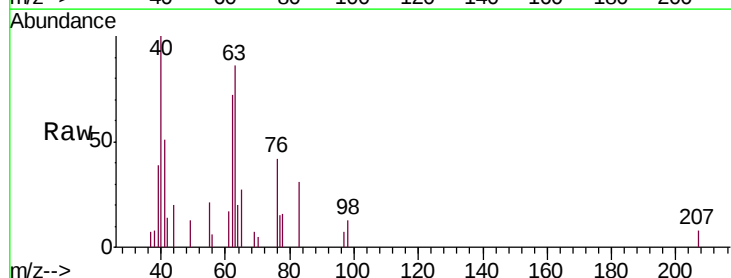
Acq: 07 Mar 2019 10:49

Tgt Ion: 63 Resp: 3353

Ion Ratio Lower Upper

63 100

65 31.9 25.4 38.2



Abundance Ion 63.00 (62.70 to 63.70): VU029834.D (-1642) (-)

Ion 65.00 (64.70 to 65.70): VU029834.D (-1642) (-)

6.43

1500

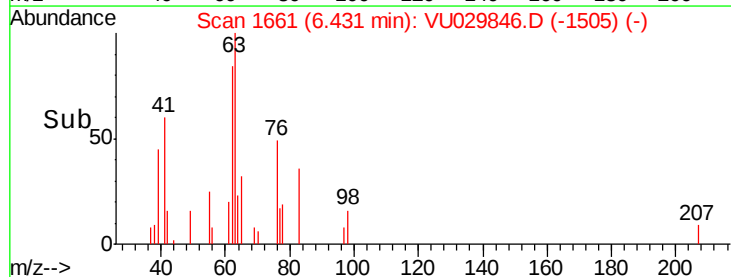
1000

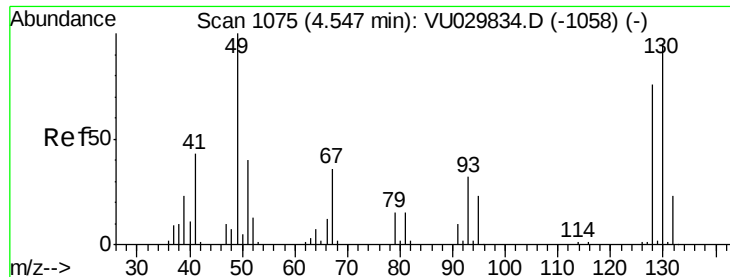
500

0

6.40 6.45 6.50

Time-->

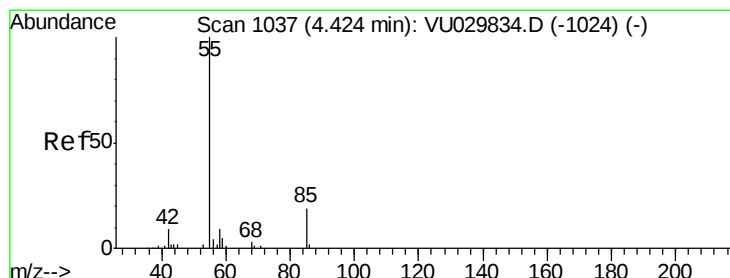
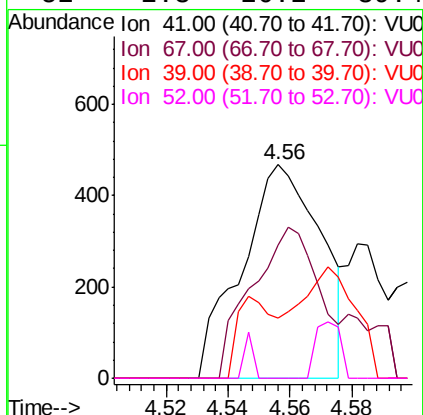
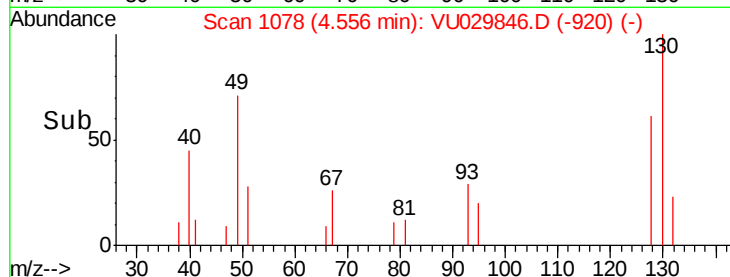
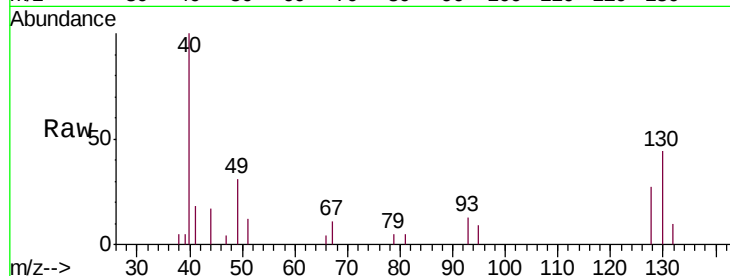




#39
Methacrylonitrile
Concen: 0.184 ug/l
RT: 4.56 min Scan# 1078
Delta R.T. 0.01 min
Lab File: VU029846.D
Acq: 07 Mar 2019 10:49

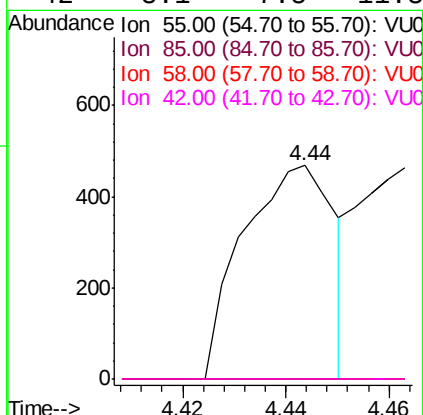
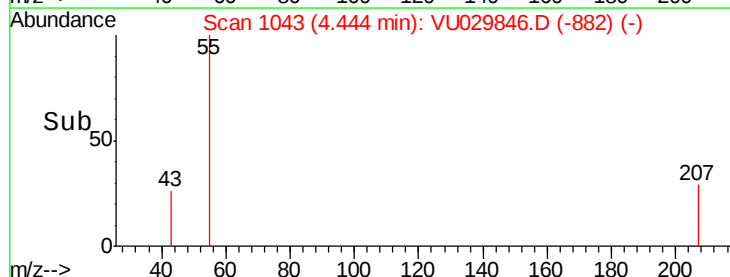
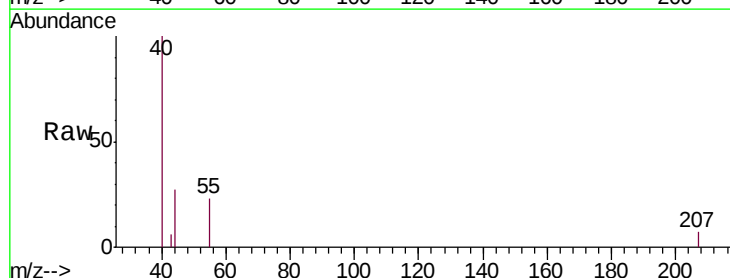
Instrument :
MSVOA_U
ClientSampleId :
MDL03

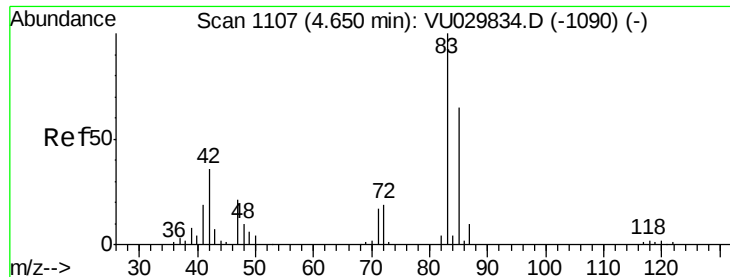
Tgt Ion: 41 Resp: 834
Ion Ratio Lower Upper
41 100
67 60.4 68.4 102.6#
39 17.7 42.6 63.8#
52 2.3 26.2 39.4#



#40
Methyl acrylate
Concen: 0.079 ug/l
RT: 4.44 min Scan# 1043
Delta R.T. 0.02 min
Lab File: VU029846.D
Acq: 07 Mar 2019 10:49

Tgt Ion: 55 Resp: 570
Ion Ratio Lower Upper
55 100
85 0.0 15.2 22.8#
58 0.0 7.6 11.4#
42 8.1 7.5 11.3





#41

Tetrahydrofuran

Concen: 0.505 ug/l

RT: 4.66 min Scan# 1110

Delta R.T. 0.01 min

Lab File: VU029846.D

Acq: 07 Mar 2019 10:49

Instrument :

MSVOA_U

ClientSampleId :

MDL03

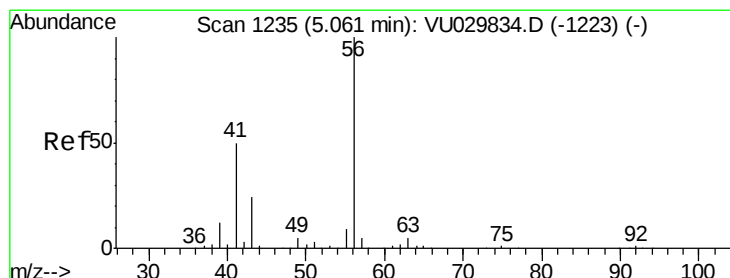
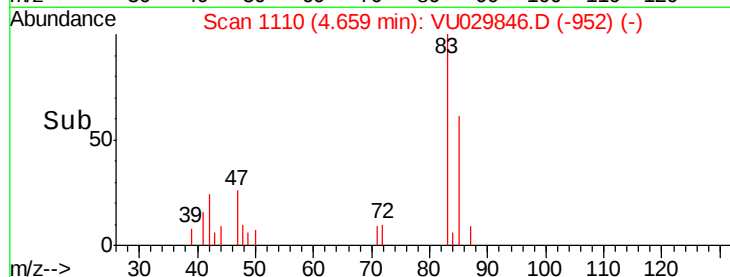
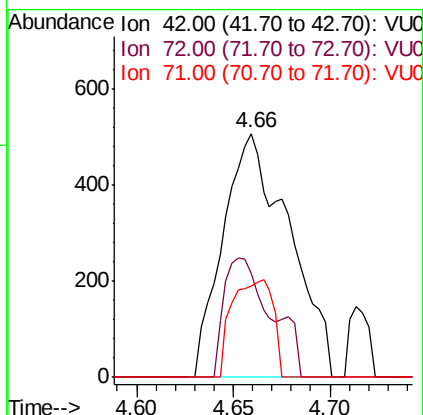
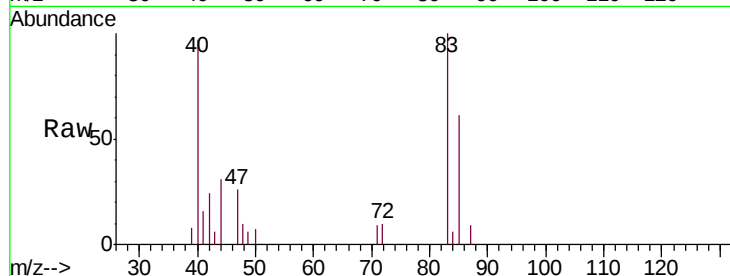
Tgt Ion: 42 Resp: 1201

Ion Ratio Lower Upper

42 100

72 29.2 43.6 65.4#

71 24.9 37.5 56.3#



#42

1-Chlorobutane

Concen: 0.220 ug/l

RT: 5.06 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VU029846.D

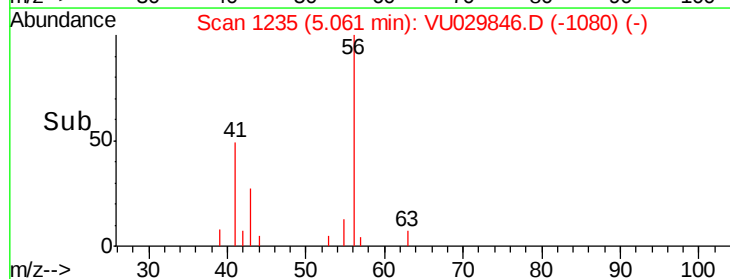
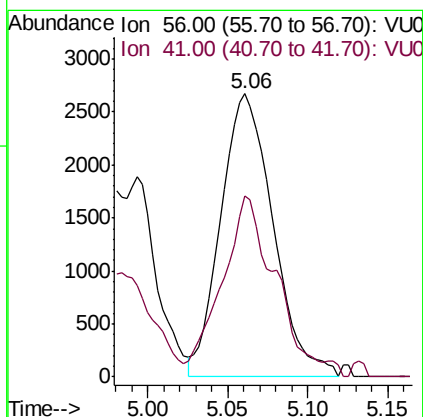
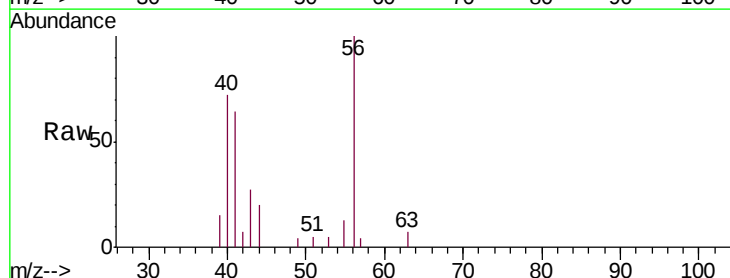
Acq: 07 Mar 2019 10:49

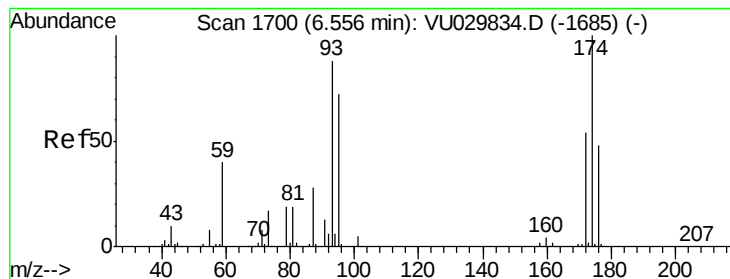
Tgt Ion: 56 Resp: 5993

Ion Ratio Lower Upper

56 100

41 66.5 25.0 75.0





#43

Dibromomethane

Concen: 0.240 ug/l

RT: 6.56 min Scan# 1702

Delta R.T. 0.01 min

Lab File: VU029846.D

Acq: 07 Mar 2019 10:49

Instrument :

MSVOA_U

ClientSampled :

MDL03

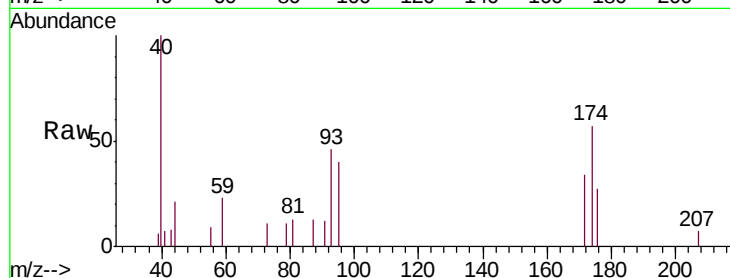
Tgt Ion: 93 Resp: 1983

Ion Ratio Lower Upper

93 100

95 81.5 67.0 100.6

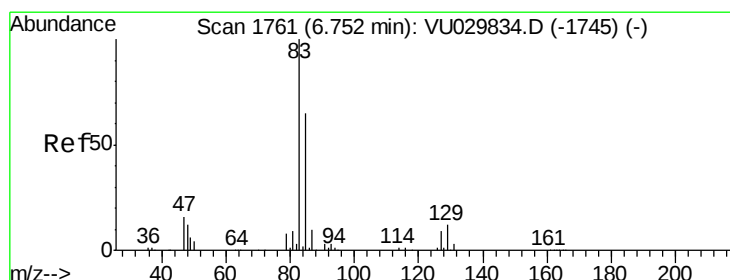
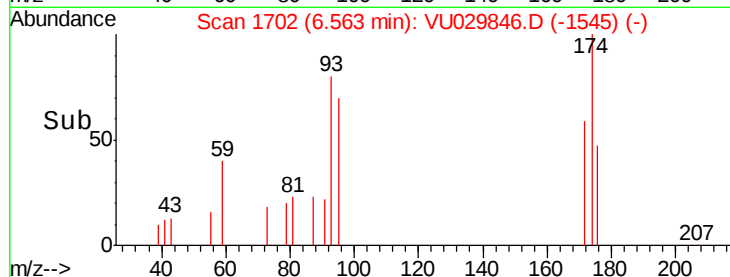
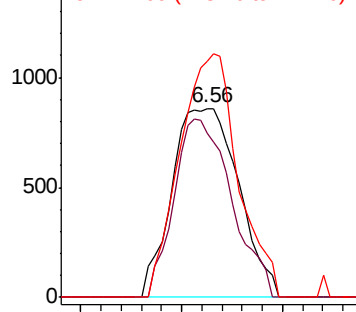
174 112.8 91.4 137.2



Abundance Ion 93.00 (92.70 to 93.70): VU029834.D (-1685) (-)

Ion 95.00 (94.70 to 95.70): VU029834.D (-1685) (-)

Ion 174.00 (173.70 to 174.70): VU029834.D (-1685) (-)



#44

Bromodichloromethane

Concen: 0.205 ug/l

RT: 6.76 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VU029846.D

Acq: 07 Mar 2019 10:49

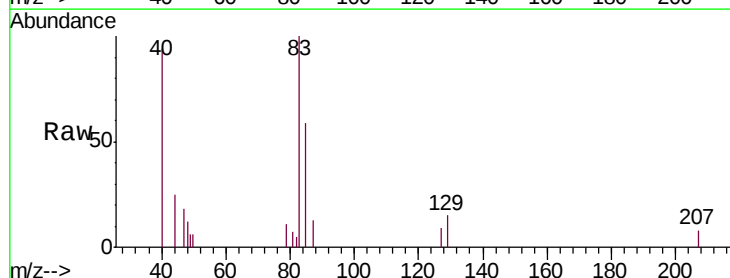
Tgt Ion: 83 Resp: 4153

Ion Ratio Lower Upper

83 100

85 58.6 51.7 77.5

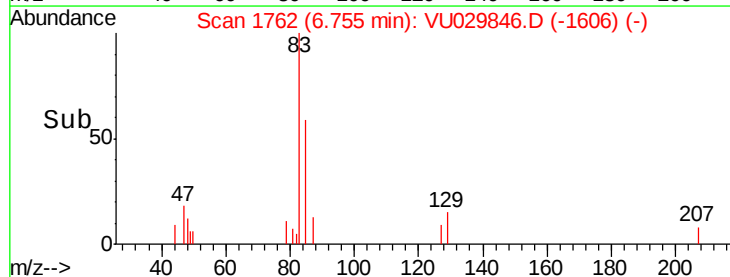
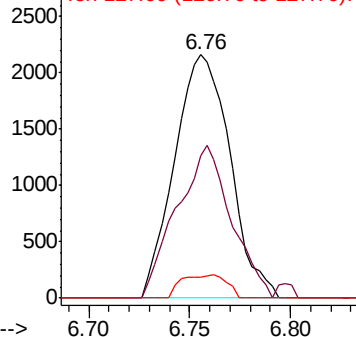
127 8.8 7.4 11.2

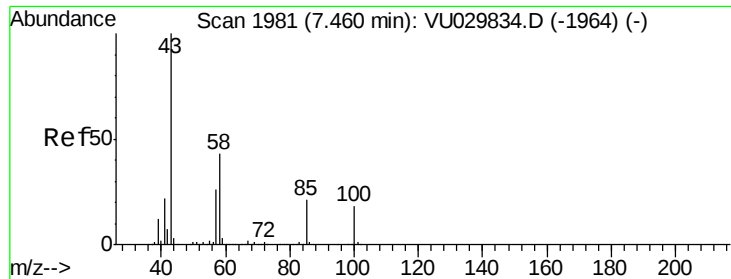


Abundance Ion 83.00 (82.70 to 83.70): VU029834.D (-1745) (-)

Ion 85.00 (84.70 to 85.70): VU029834.D (-1745) (-)

Ion 127.00 (126.70 to 127.70): VU029834.D (-1745) (-)

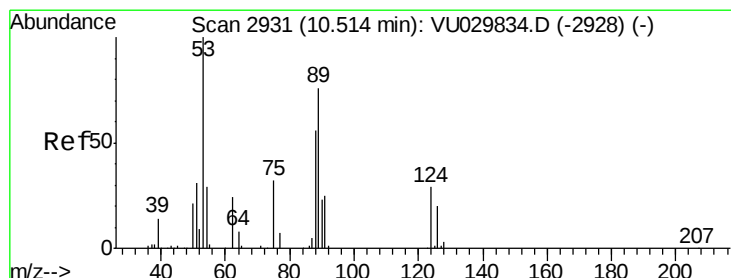
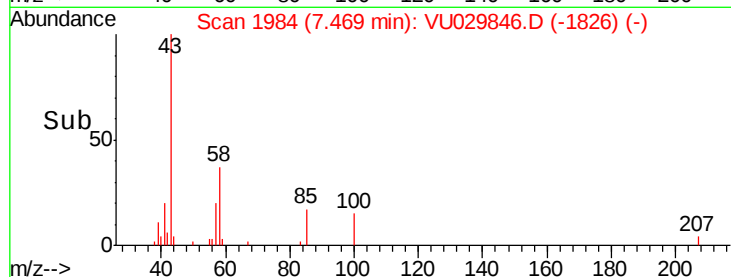
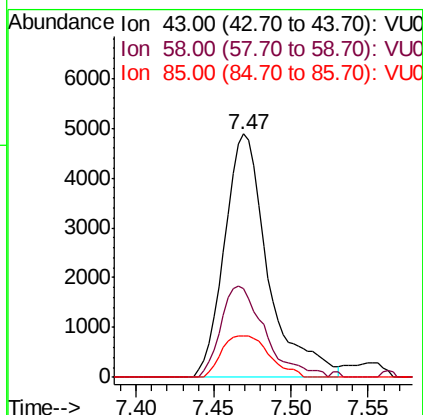
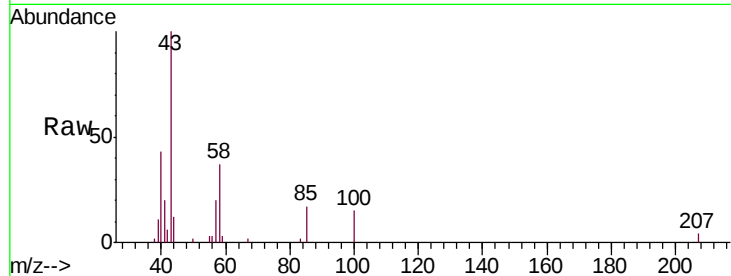




#45
4-Methyl-2-Pentanone
Concen: 1.105 ug/l
RT: 7.47 min Scan# 1984
Delta R.T. 0.01 min
Lab File: VU029846.D
Acq: 07 Mar 2019 10:49

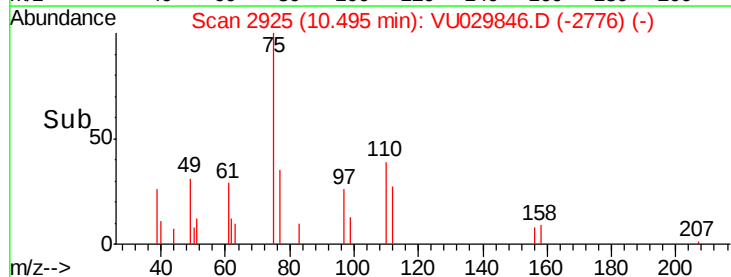
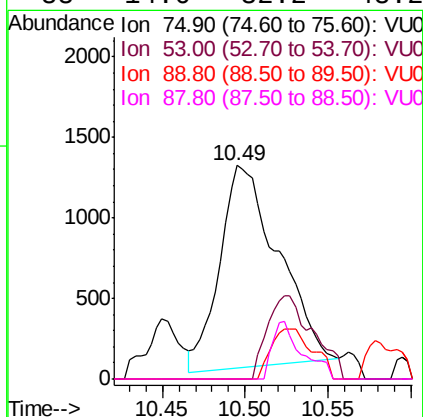
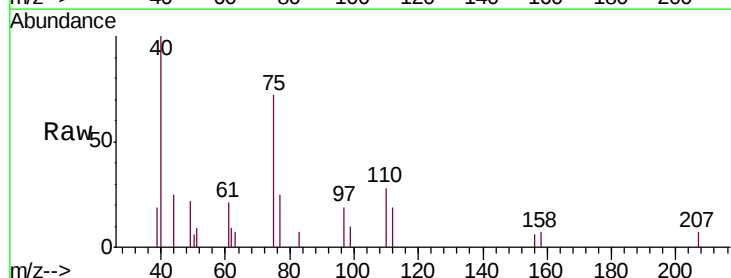
Instrument :
MSVOA_U
ClientSampleId :
MDL03

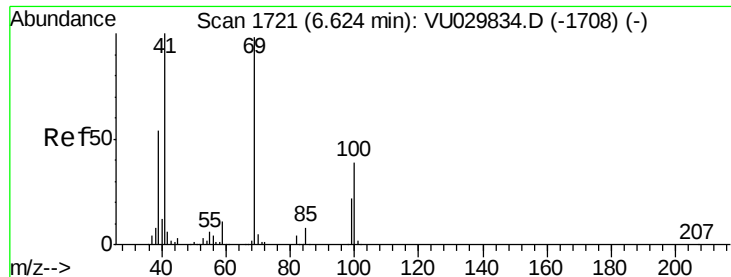
Tgt Ion: 43 Resp: 9509
Ion Ratio Lower Upper
43 100
58 38.2 21.6 65.0
85 18.7 16.5 24.7



#46
t-1,4-Dichloro-2-butene
Concen: 0.851 ug/l
RT: 10.49 min Scan# 2925
Delta R.T. -0.02 min
Lab File: VU029846.D
Acq: 07 Mar 2019 10:49

Tgt Ion: 75 Resp: 3061
Ion Ratio Lower Upper
75 100
53 32.1 59.2 88.8#
89 17.7 44.9 67.3#
88 14.6 32.2 48.2#

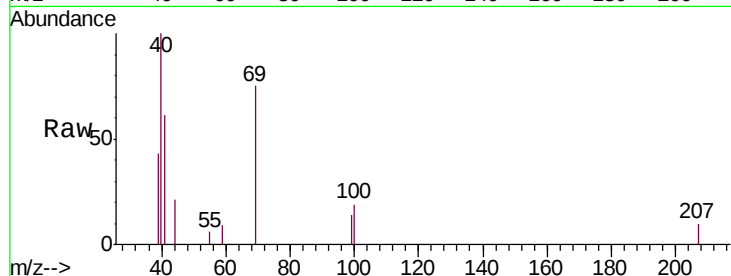




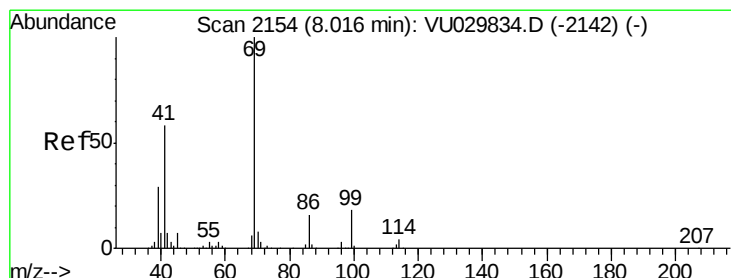
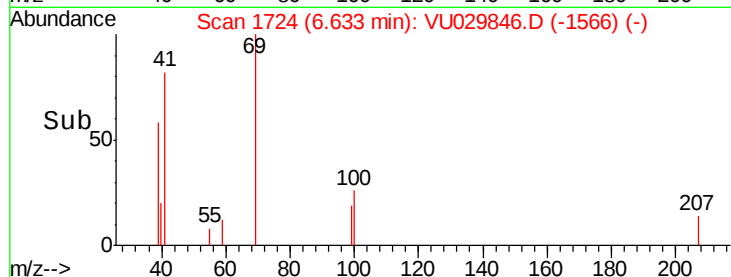
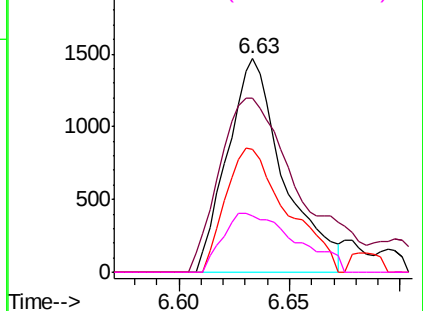
#47
Methyl methacrylate
Concen: 0.368 ug/l
RT: 6.63 min Scan# 1724
Delta R.T. 0.01 min
Lab File: VU029846.D
Acq: 07 Mar 2019 10:49

Instrument :
MSVOA_U
ClientSampleId :
MDL03

Tgt Ion: 69 Resp: 2603
Ion Ratio Lower Upper
69 100
41 115.4 0.0 201.0
39 63.2 43.3 64.9
100 35.5 31.5 47.3

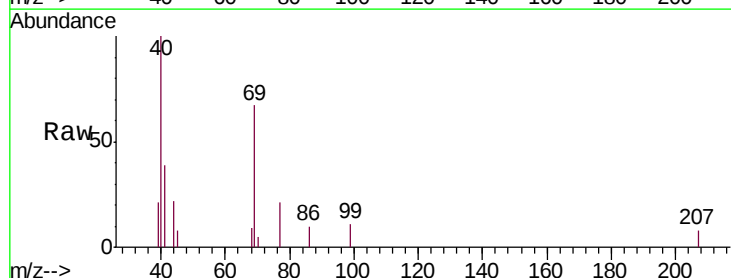


Abundance Ion 69.00 (68.70 to 69.70): VU0
Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

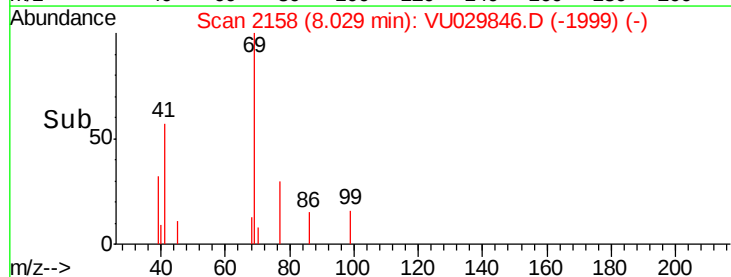
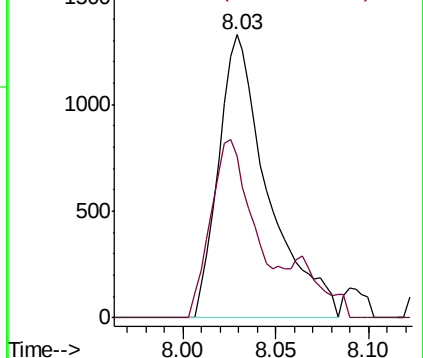


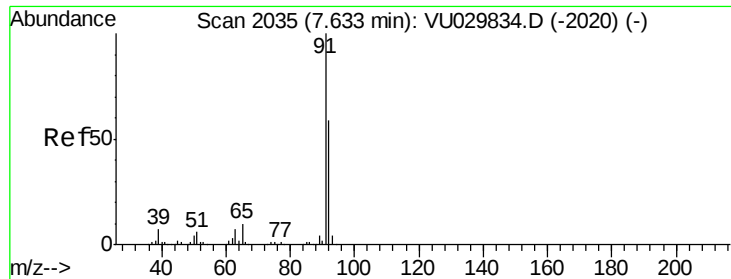
#48
Ethyl methacrylate
Concen: 0.181 ug/l
RT: 8.03 min Scan# 2158
Delta R.T. 0.01 min
Lab File: VU029846.D
Acq: 07 Mar 2019 10:49

Tgt Ion: 69 Resp: 2457
Ion Ratio Lower Upper
69 100
41 56.5 29.0 87.1



Abundance Ion 69.00 (68.70 to 69.70): VU0
Ion 41.00 (40.70 to 41.70): VU0





#49

Toluene

Concen: 0.212 ug/l

RT: 7.64 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VU029846.D

Acq: 07 Mar 2019 10:49

Instrument :

MSVOA_U

ClientSampled :

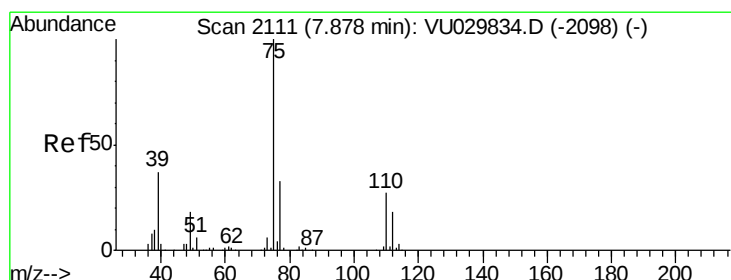
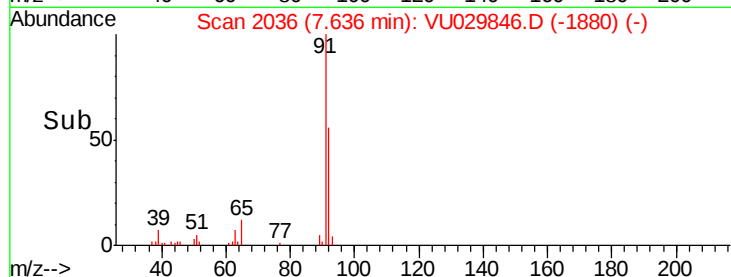
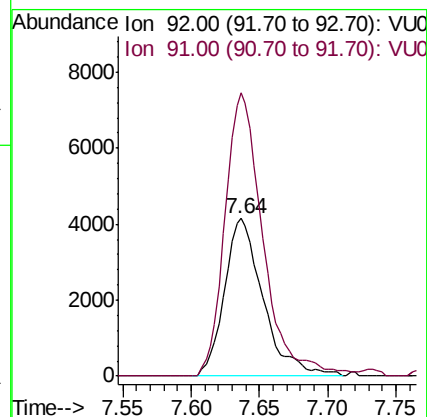
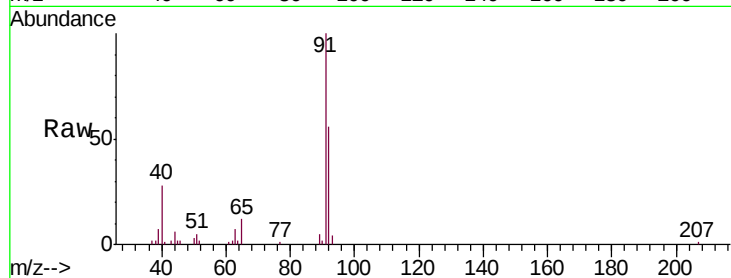
MDL03

Tgt Ion: 92 Resp: 8189

Ion Ratio Lower Upper

92 100

91 176.6 137.8 206.8



#50

t-1,3-Dichloropropene

Concen: 0.207 ug/l

RT: 7.89 min Scan# 2114

Delta R.T. 0.01 min

Lab File: VU029846.D

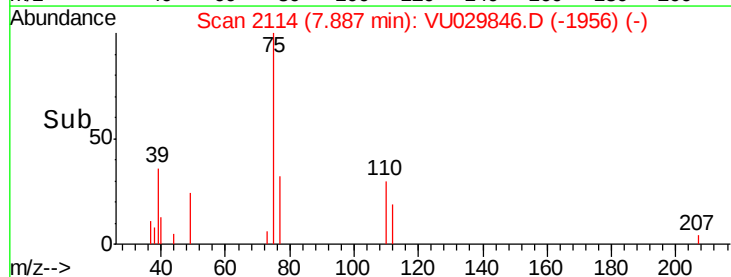
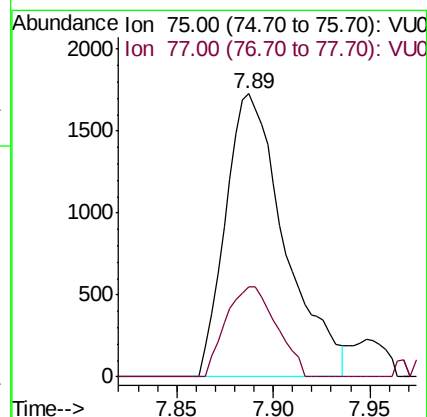
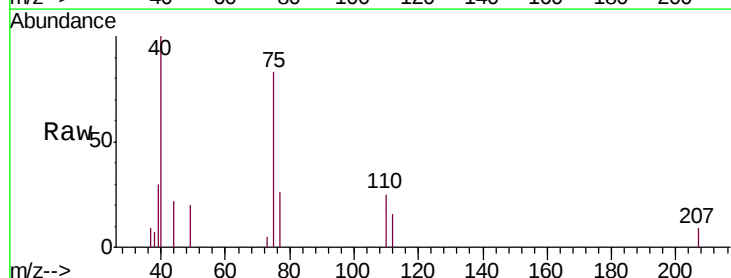
Acq: 07 Mar 2019 10:49

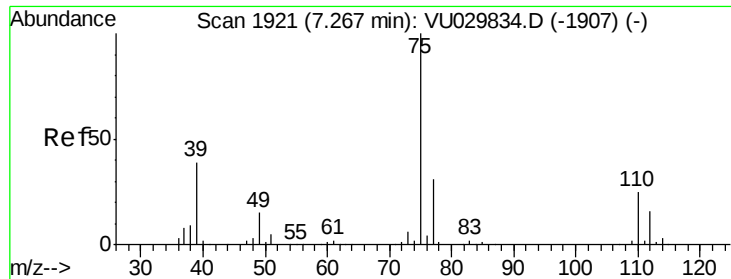
Tgt Ion: 75 Resp: 3677

Ion Ratio Lower Upper

75 100

77 31.8 26.4 39.6



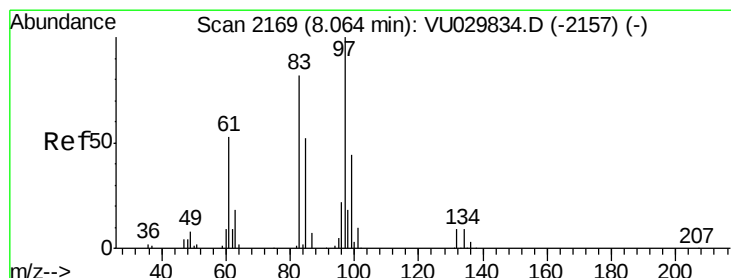
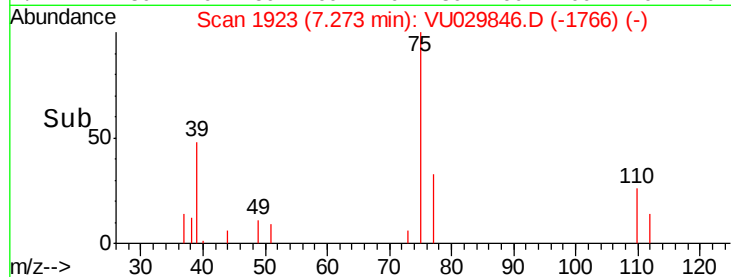
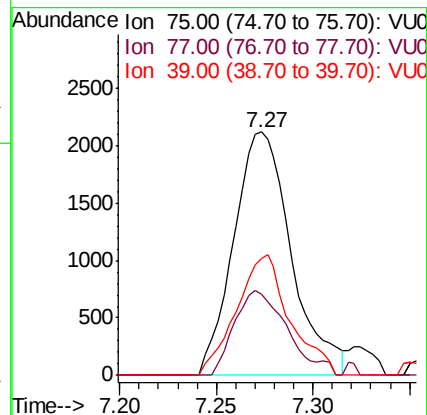
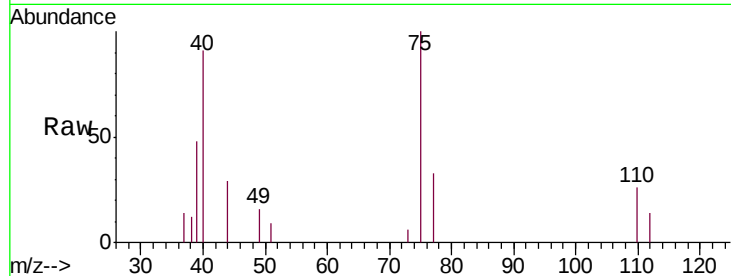


#51

cis-1,3-Dichloropropene
Concen: 0.200 ug/l
RT: 7.27 min Scan# 1923
Delta R.T. 0.01 min
Lab File: VU029846.D
Acq: 07 Mar 2019 10:49

Instrument :
MSVOA_U
ClientSampleId :
MDL03

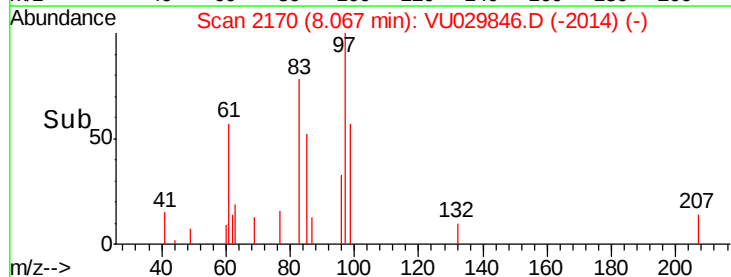
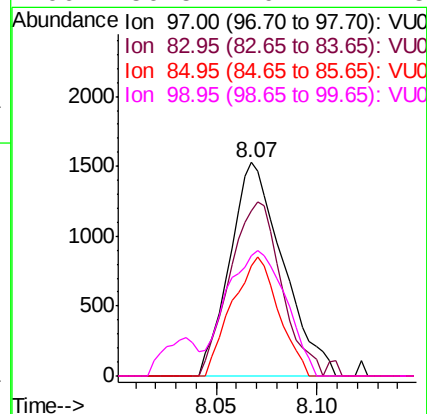
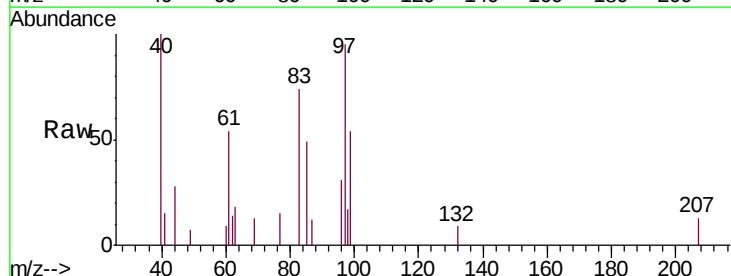
Tgt Ion: 75 Resp: 4402
Ion Ratio Lower Upper
75 100
77 33.2 24.9 37.3
39 48.3 30.8 46.2#

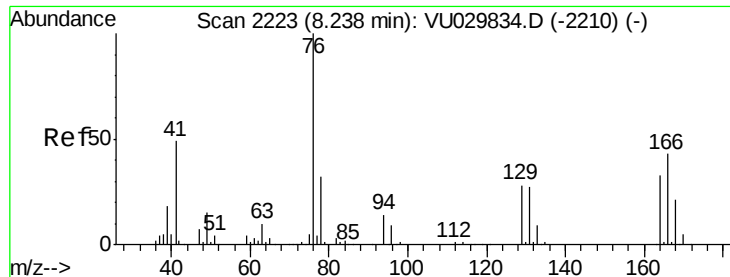


#52

1,1,2-Trichloroethane
Concen: 0.230 ug/l
RT: 8.07 min Scan# 2170
Delta R.T. 0.00 min
Lab File: VU029846.D
Acq: 07 Mar 2019 10:49

Tgt Ion: 97 Resp: 2806
Ion Ratio Lower Upper
97 100
83 77.6 65.9 98.9
85 51.8 43.0 64.6
99 56.5 49.7 74.5

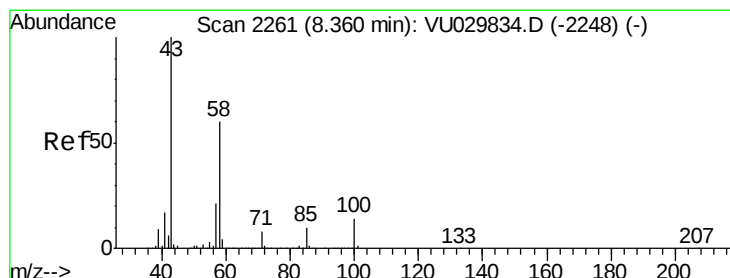
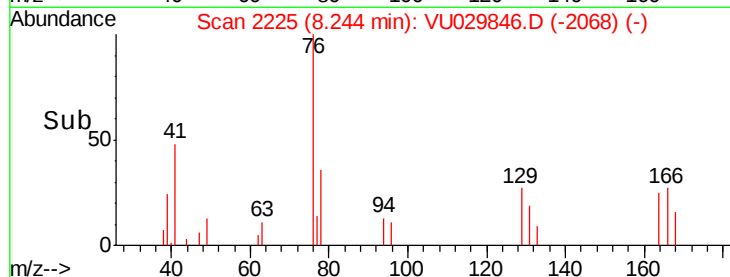
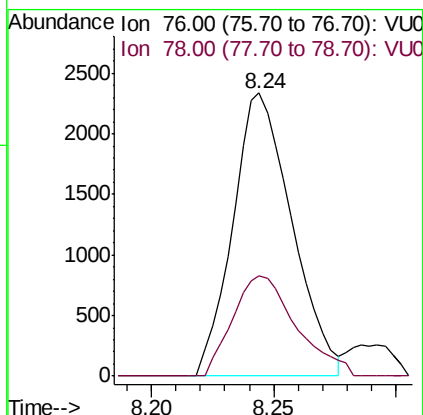
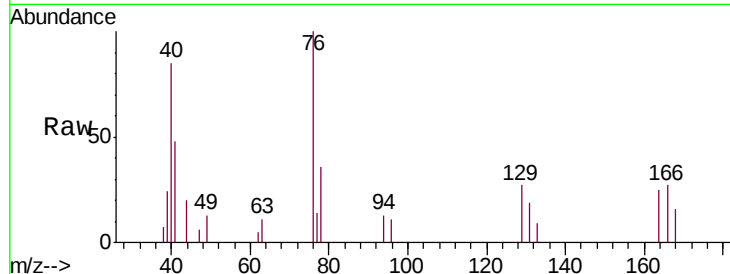




#53
 1,3-Dichloropropane
 Concen: 0.196 ug/l
 RT: 8.24 min Scan# 2225
 Delta R.T. 0.01 min
 Lab File: VU029846.D
 Acq: 07 Mar 2019 10:49

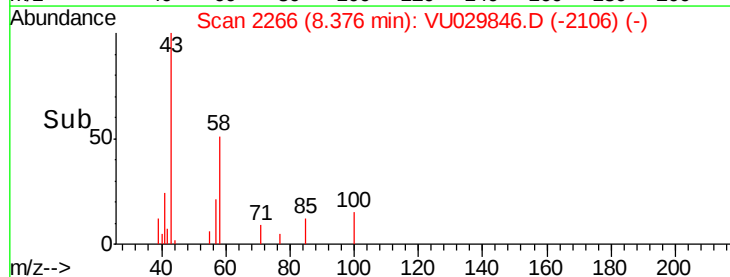
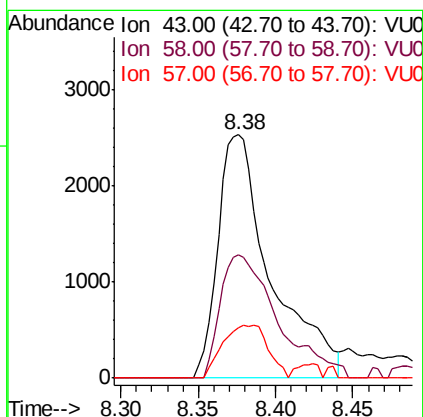
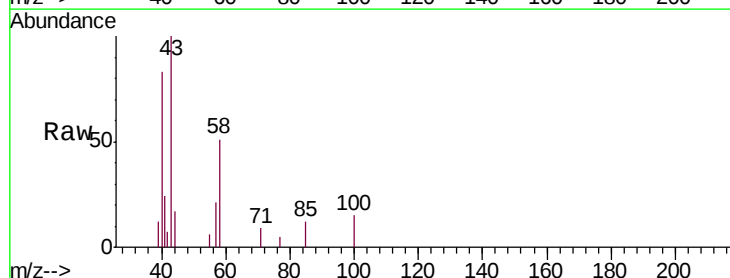
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL03

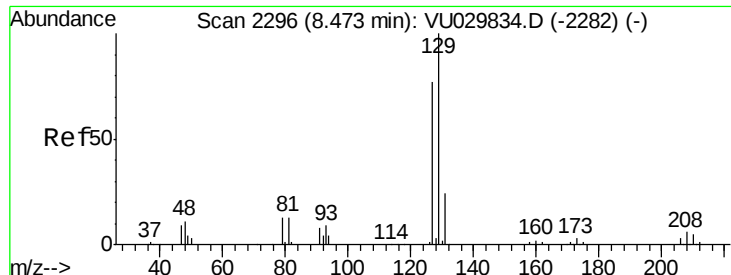
Tgt Ion: 76 Resp: 3924
 Ion Ratio Lower Upper
 76 100
 78 38.3 25.7 38.5



#54
 2-Hexanone
 Concen: 1.009 ug/l
 RT: 8.38 min Scan# 2266
 Delta R.T. 0.02 min
 Lab File: VU029846.D
 Acq: 07 Mar 2019 10:49

Tgt Ion: 43 Resp: 6028
 Ion Ratio Lower Upper
 43 100
 58 54.8 39.6 79.6
 57 18.6 0.5 40.5

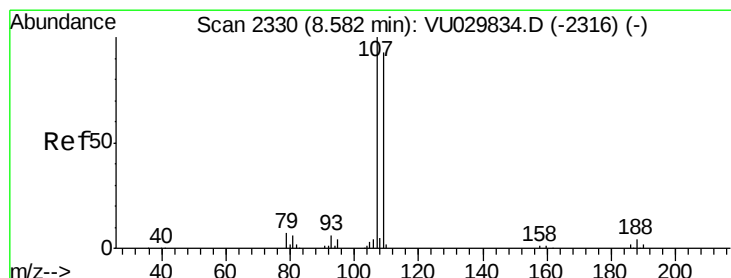
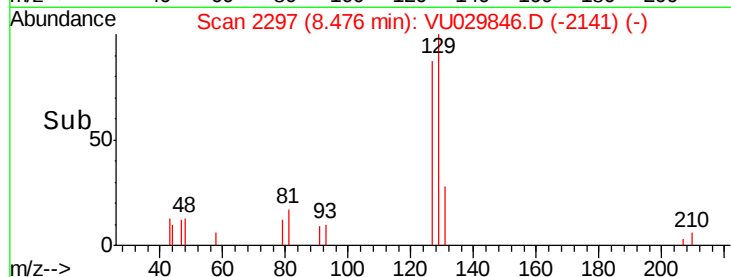
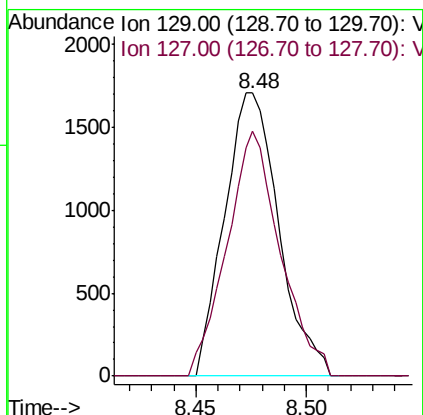
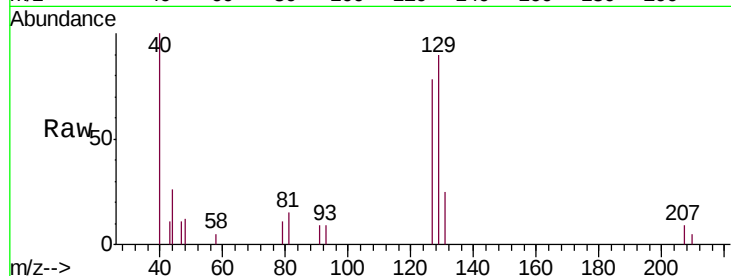




#55
 Dibromochloromethane
 Concen: 0.201 ug/l
 RT: 8.48 min Scan# 2297
 Delta R.T. 0.00 min
 Lab File: VU029846.D
 Acq: 07 Mar 2019 10:49

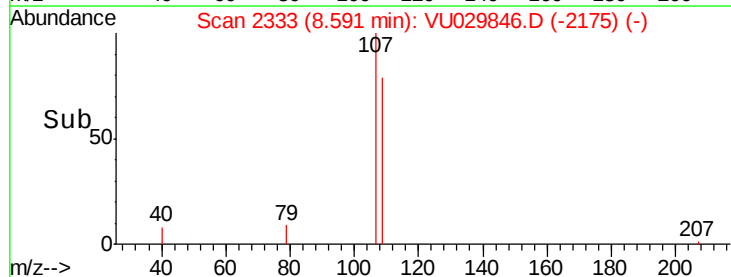
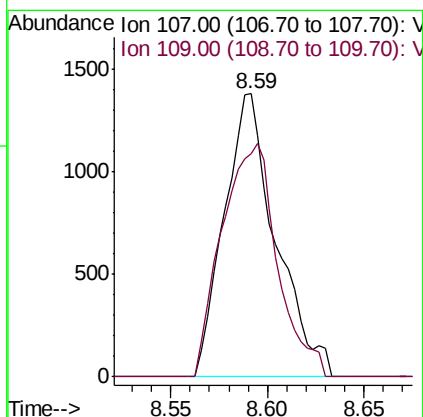
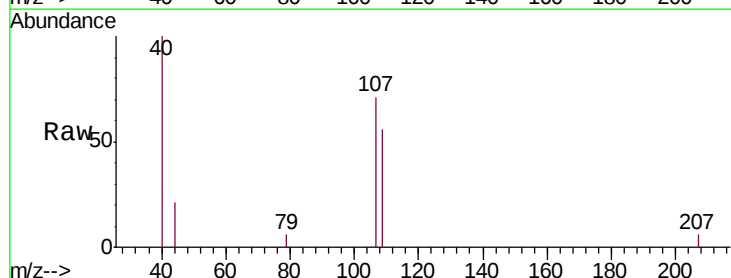
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL03

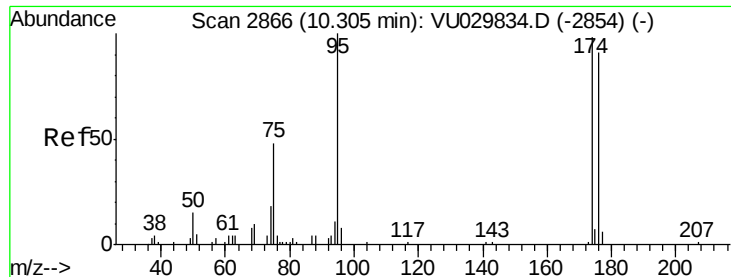
Tgt Ion:129 Resp: 2912
 Ion Ratio Lower Upper
 129 100
 127 84.9 61.6 92.4



#56
 1,2-Dibromoethane
 Concen: 0.221 ug/l
 RT: 8.59 min Scan# 2333
 Delta R.T. 0.01 min
 Lab File: VU029846.D
 Acq: 07 Mar 2019 10:49

Tgt Ion:107 Resp: 2554
 Ion Ratio Lower Upper
 107 100
 109 89.0 0.0 188.4

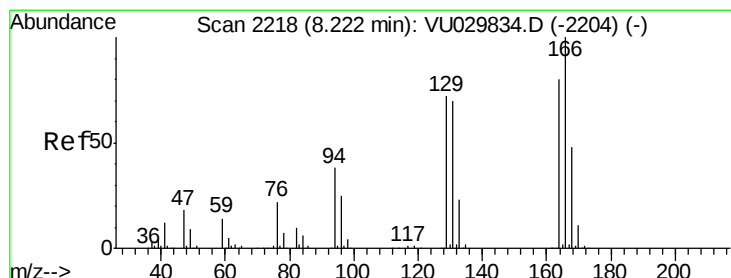
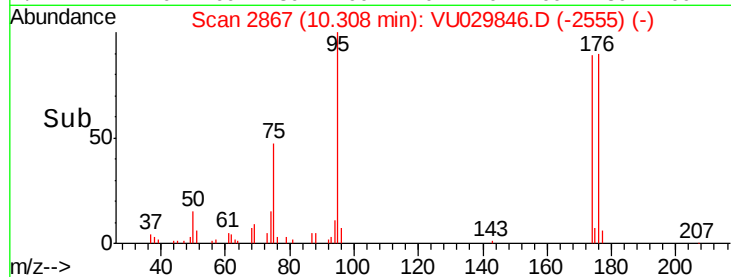
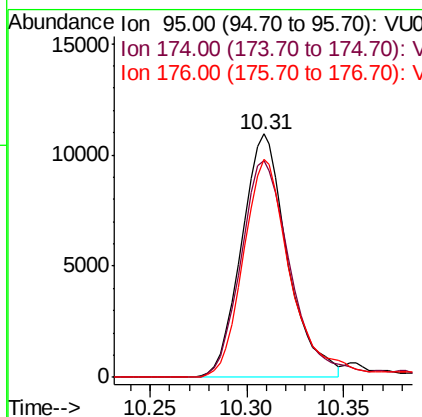
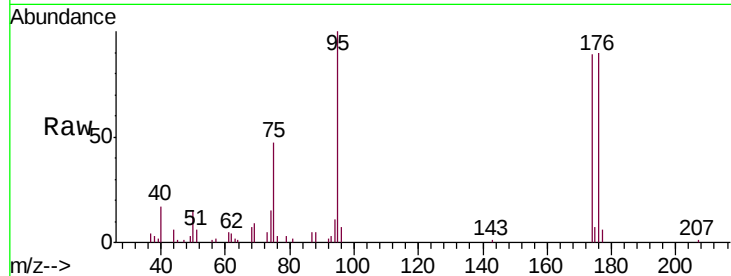




#57
4-Bromofluorobenzene
Concen: 0.221 ug/l
RT: 10.31 min Scan# 2867
Delta R.T. 0.00 min
Lab File: VU029846.D
Acq: 07 Mar 2019 10:49

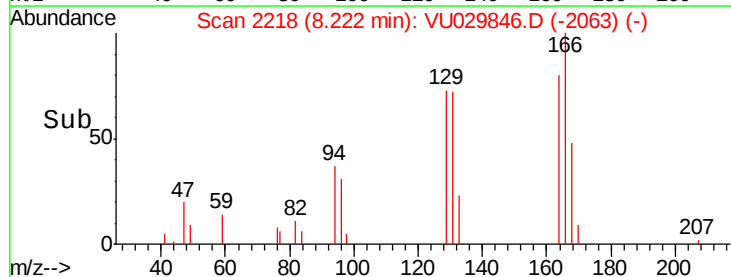
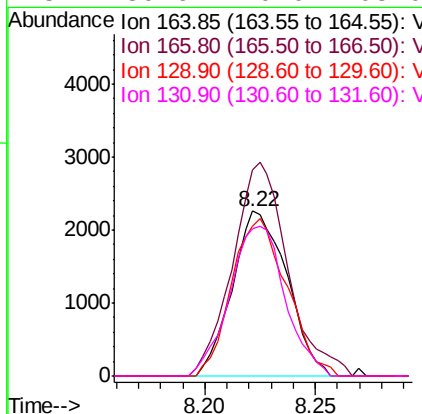
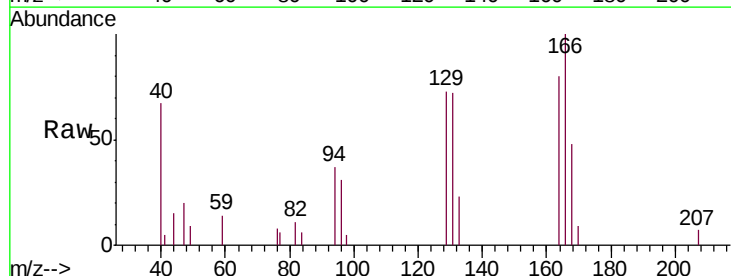
Instrument :
MSVOA_U
ClientSampleId :
MDL03

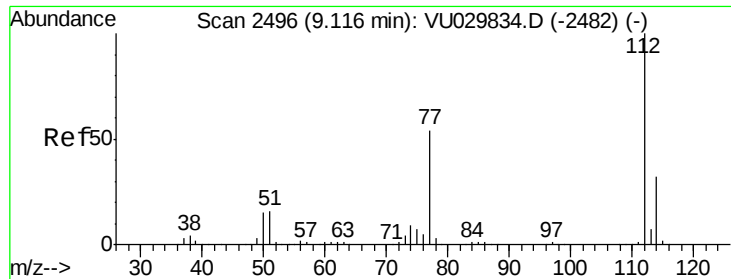
Tgt Ion: 95 Resp: 18113
Ion Ratio Lower Upper
95 100
174 97.0 76.5 114.7
176 91.6 74.2 111.2



#58
Tetrachloroethene
Concen: 0.207 ug/l
RT: 8.22 min Scan# 2218
Delta R.T. -0.00 min
Lab File: VU029846.D
Acq: 07 Mar 2019 10:49

Tgt Ion: 164 Resp: 3885
Ion Ratio Lower Upper
164 100
166 125.1 100.5 150.7
129 91.1 72.3 108.5
131 89.6 70.0 105.0





#59

Chlorobenzene

Concen: 0.225 ug/l

RT: 9.12 min Scan# 2498

Delta R.T. 0.01 min

Lab File: VU029846.D

Acq: 07 Mar 2019 10:49

Instrument :

MSVOA_U

ClientSampleId :

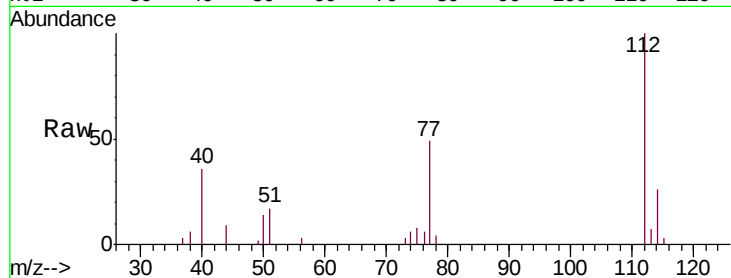
MDL03

Tgt Ion:112 Resp: 9967

Ion Ratio Lower Upper

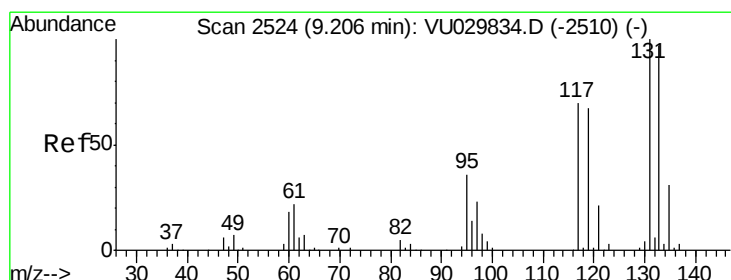
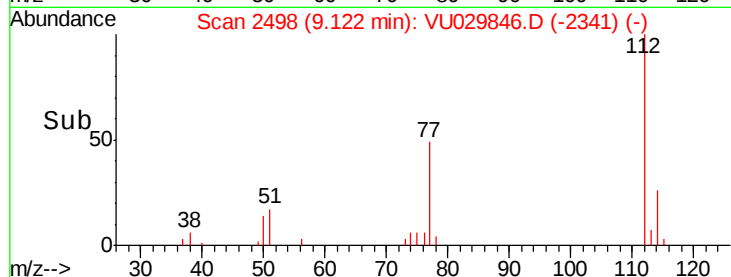
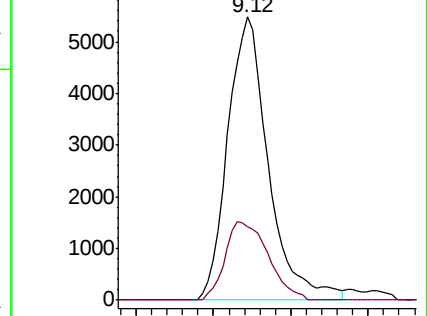
112 100

114 26.0 25.4 38.2



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#60

1,1,1,2-Tetrachloroethane

Concen: 0.198 ug/l

RT: 9.21 min Scan# 2525

Delta R.T. 0.00 min

Lab File: VU029846.D

Acq: 07 Mar 2019 10:49

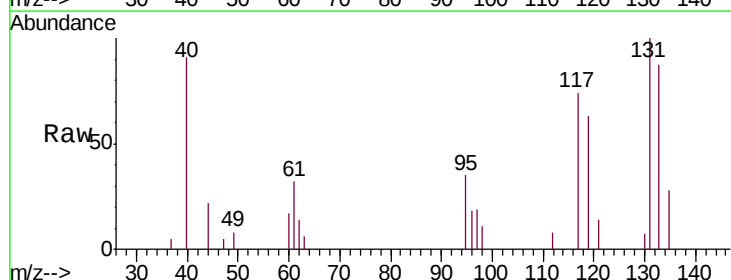
Tgt Ion:131 Resp: 3153

Ion Ratio Lower Upper

131 100

133 103.1 76.4 114.6

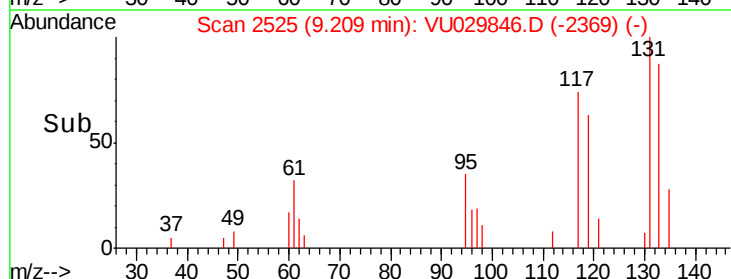
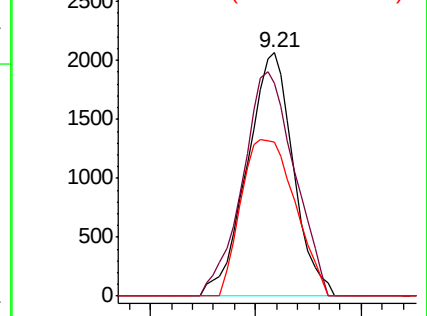
119 75.0 54.2 81.4

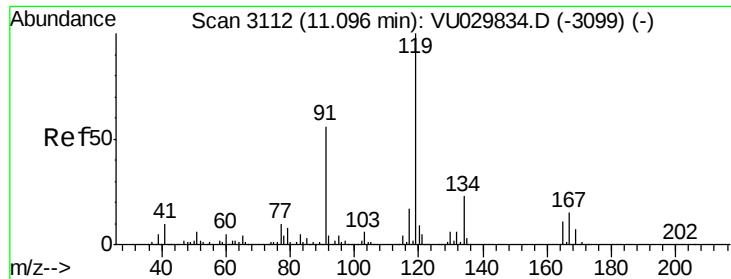


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

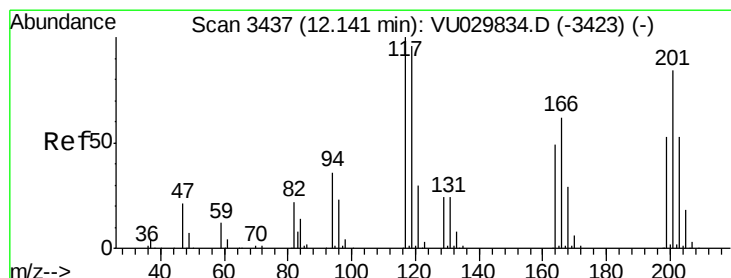
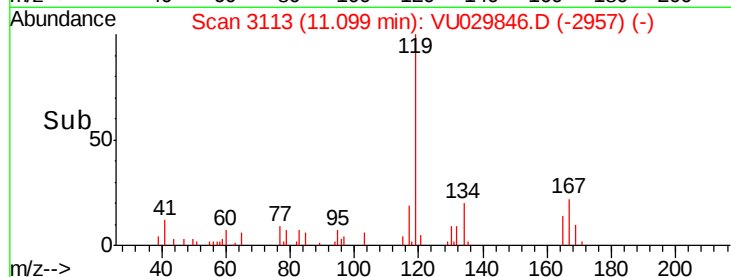
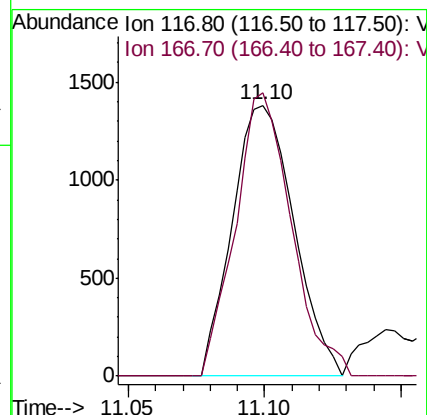
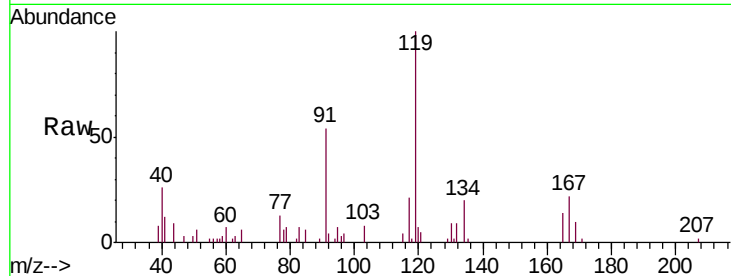




#61
 Pentachloroethane
 Concen: 0.195 ug/l
 RT: 11.10 min Scan# 3113
 Delta R.T. 0.00 min
 Lab File: VU029846.D
 Acq: 07 Mar 2019 10:49

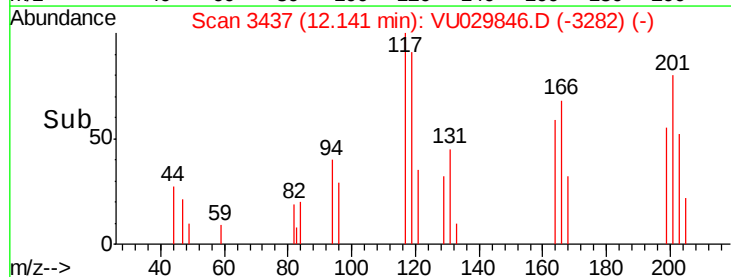
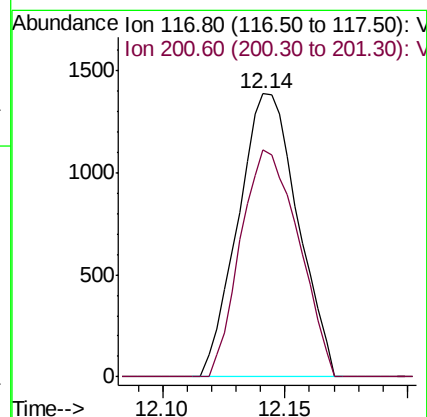
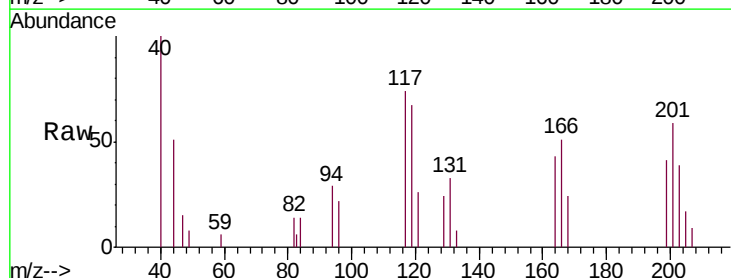
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL03

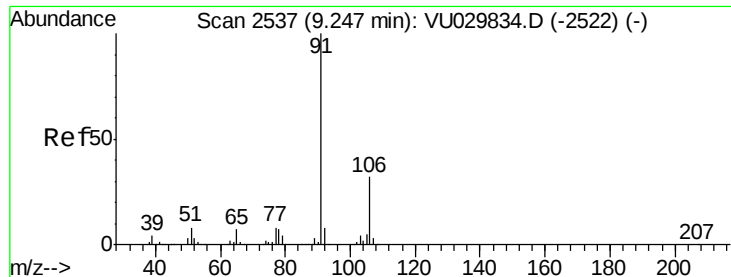
Tgt Ion:117 Resp: 2165
 Ion Ratio Lower Upper
 117 100
 167 95.4 71.4 107.2



#62
 Hexachloroethane
 Concen: 0.201 ug/l
 RT: 12.14 min Scan# 3437
 Delta R.T. -0.00 min
 Lab File: VU029846.D
 Acq: 07 Mar 2019 10:49

Tgt Ion:117 Resp: 2348
 Ion Ratio Lower Upper
 117 100
 201 78.1 68.2 102.2

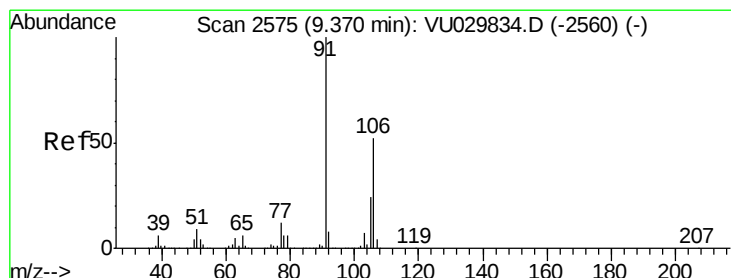
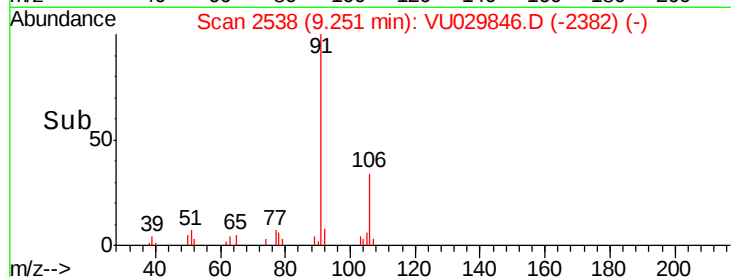
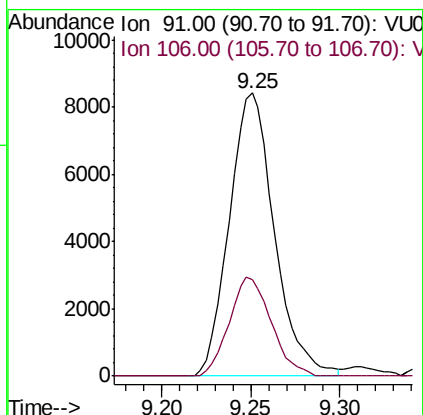
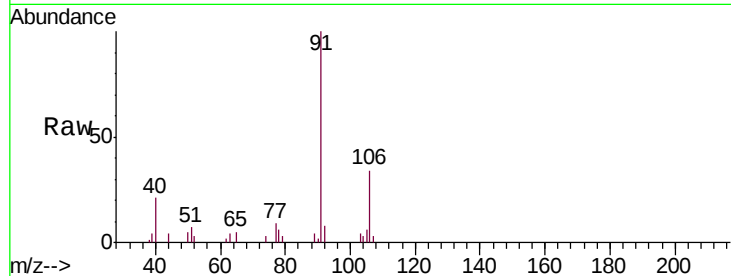




#63
Ethyl Benzene
Concen: 0.204 ug/l
RT: 9.25 min Scan# 2538
Delta R.T. 0.00 min
Lab File: VU029846.D
Acq: 07 Mar 2019 10:49

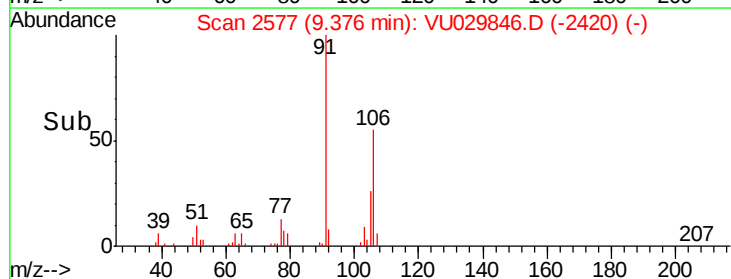
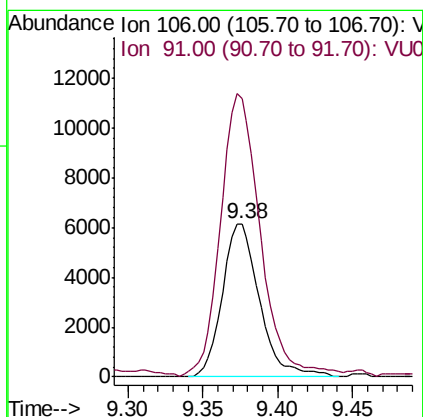
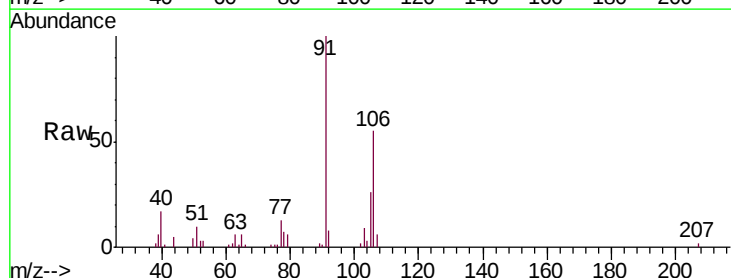
Instrument :
MSVOA_U
ClientSampleId :
MDL03

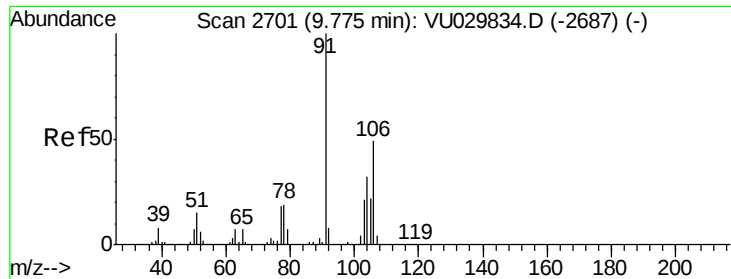
Tgt Ion: 91 Resp: 14808
Ion Ratio Lower Upper
91 100
106 34.1 25.7 38.5



#64
m/p-Xylenes
Concen: 0.370 ug/l
RT: 9.38 min Scan# 2577
Delta R.T. 0.01 min
Lab File: VU029846.D
Acq: 07 Mar 2019 10:49

Tgt Ion: 106 Resp: 10632
Ion Ratio Lower Upper
106 100
91 199.1 155.3 232.9

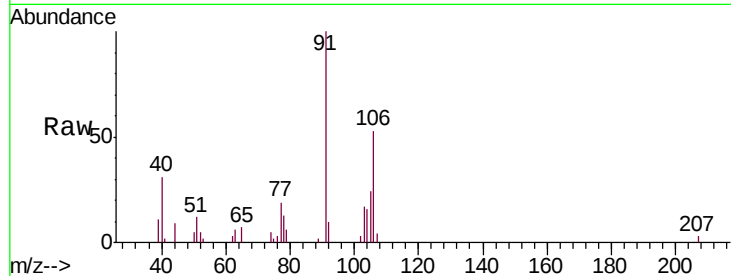




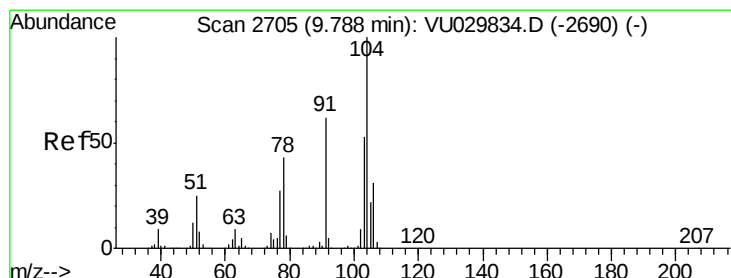
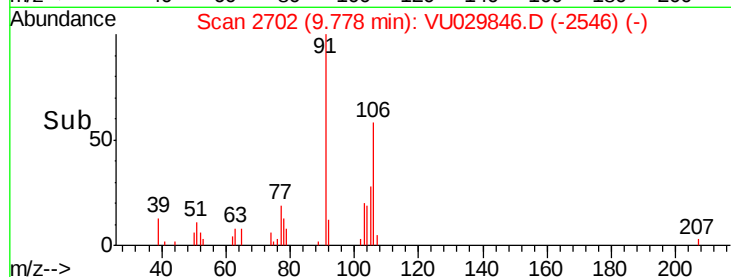
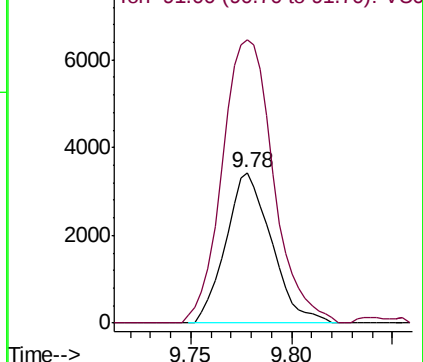
#65
o-Xylene
Concen: 0.197 ug/l
RT: 9.78 min Scan# 2702
Delta R.T. 0.00 min
Lab File: VU029846.D
Acq: 07 Mar 2019 10:49

Instrument :
MSVOA_U
ClientSampleId :
MDL03

Tgt Ion:106 Resp: 5425
Ion Ratio Lower Upper
106 100
91 211.1 102.8 308.3

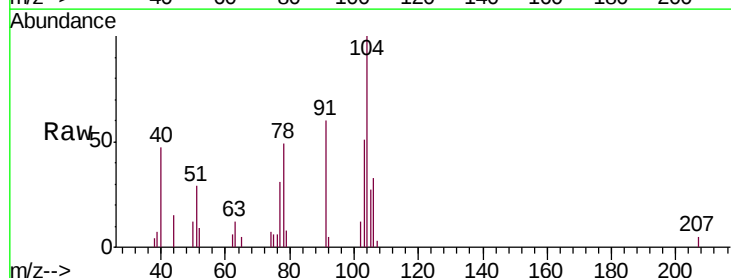


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

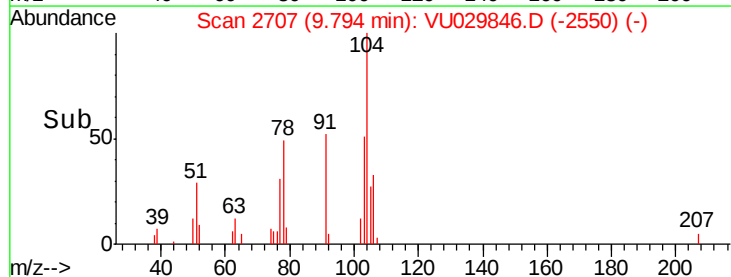
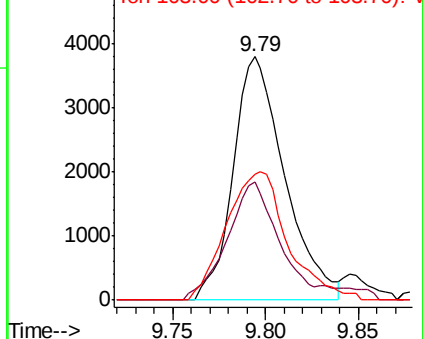


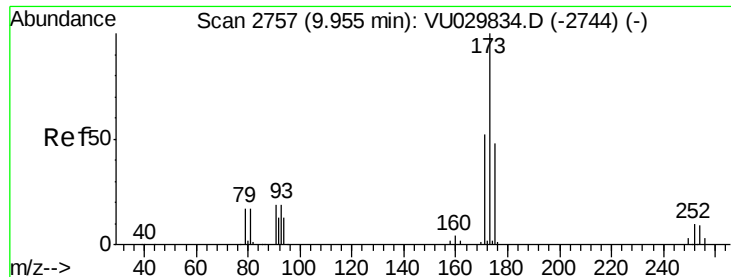
#66
Styrene
Concen: 0.160 ug/l
RT: 9.79 min Scan# 2707
Delta R.T. 0.01 min
Lab File: VU029846.D
Acq: 07 Mar 2019 10:49

Tgt Ion:104 Resp: 7331
Ion Ratio Lower Upper
104 100
78 52.9 37.2 55.8
103 62.5 44.7 67.1



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V





#67

Bromoform

Concen: 0.209 ug/l

RT: 9.96 min Scan# 2759

Delta R.T. 0.01 min

Lab File: VU029846.D

Acq: 07 Mar 2019 10:49

Instrument :

MSVOA_U

ClientSampleId :

MDL03

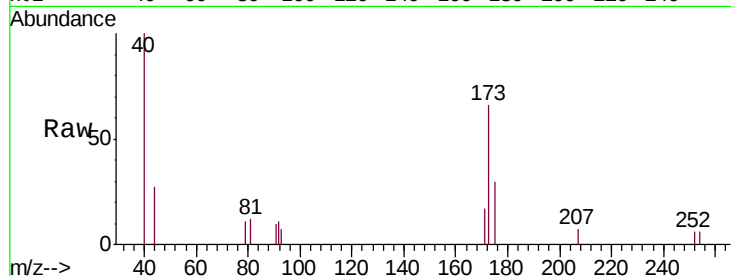
Tgt Ion:173 Resp: 1775

Ion Ratio Lower Upper

173 100

175 42.9 38.6 57.8

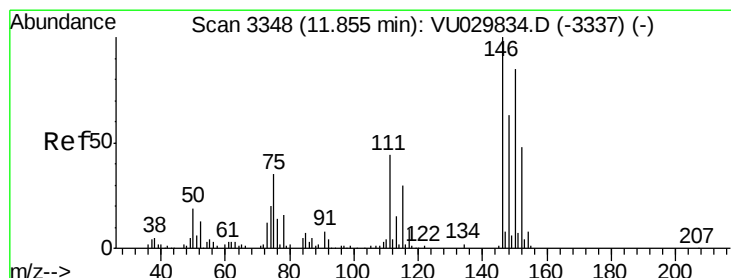
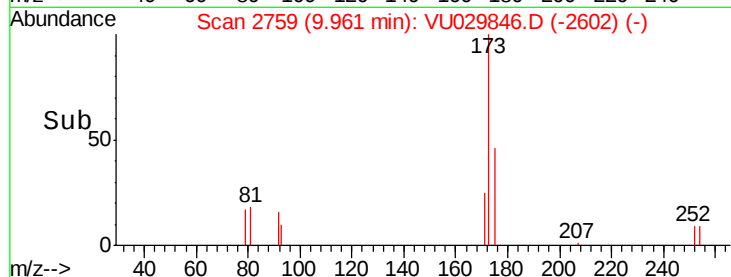
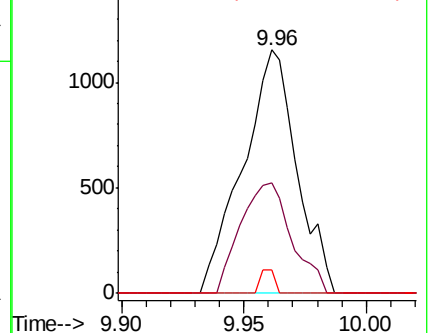
254 2.4 7.4 11.2#



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: 0.209 ug/l

RT: 11.86 min Scan# 3350

Delta R.T. 0.01 min

Lab File: VU029846.D

Acq: 07 Mar 2019 10:49

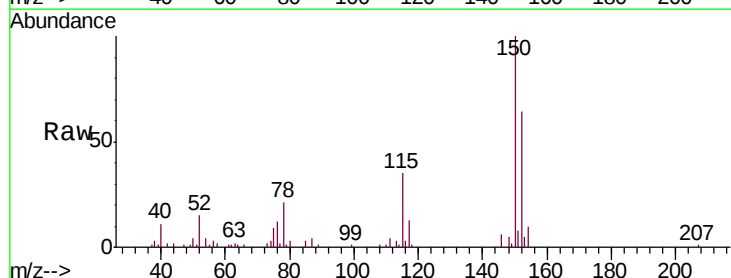
Tgt Ion:152 Resp: 21908

Ion Ratio Lower Upper

152 100

115 57.4 0.0 124.0

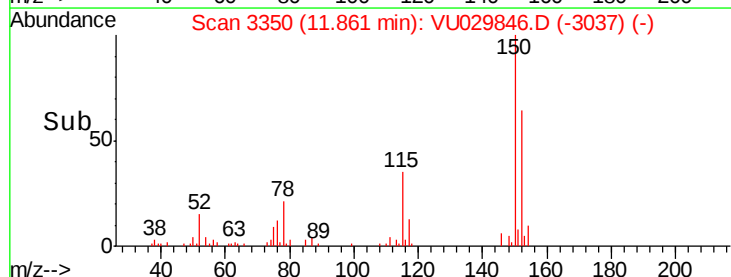
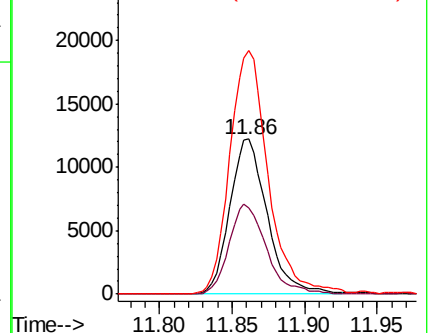
150 161.0 0.0 631.2

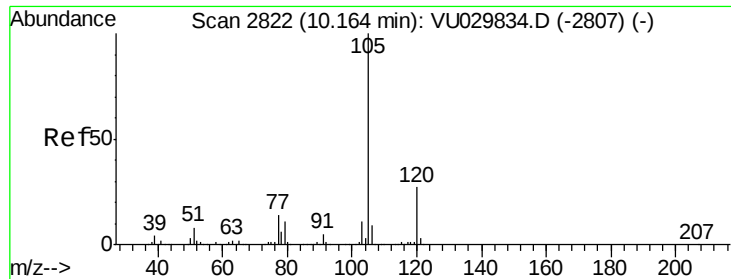


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#69

Isopropylbenzene

Concen: 0.177 ug/l

RT: 10.16 min Scan# 2822

Delta R.T. -0.00 min

Lab File: VU029846.D

Acq: 07 Mar 2019 10:49

Instrument :

MSVOA_U

ClientSampleId :

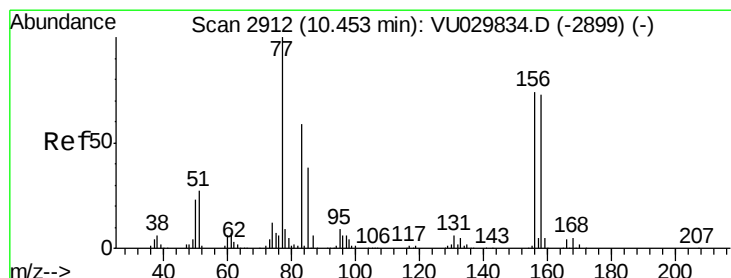
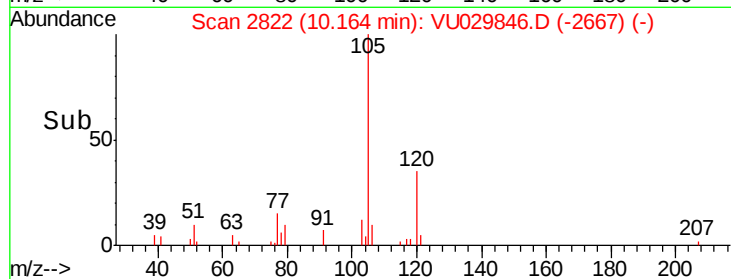
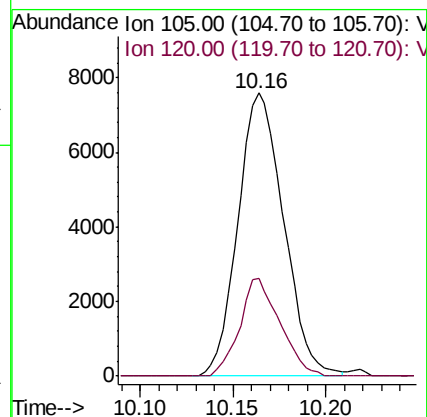
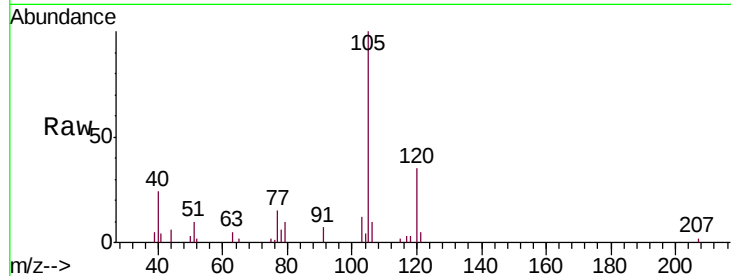
MDL03

Tgt Ion:105 Resp: 12975

Ion Ratio Lower Upper

105 100

120 30.4 13.5 40.5



#70

1,1,2,2-Tetrachloroethane

Concen: 0.208 ug/l

RT: 10.46 min Scan# 2913

Delta R.T. 0.00 min

Lab File: VU029846.D

Acq: 07 Mar 2019 10:49

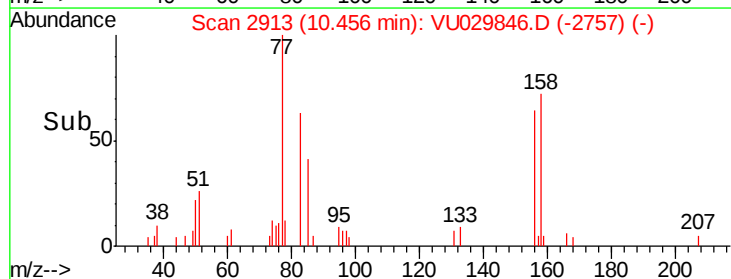
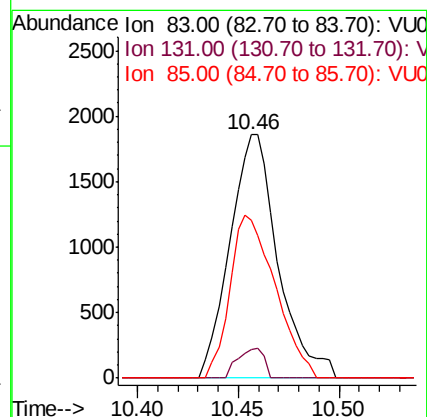
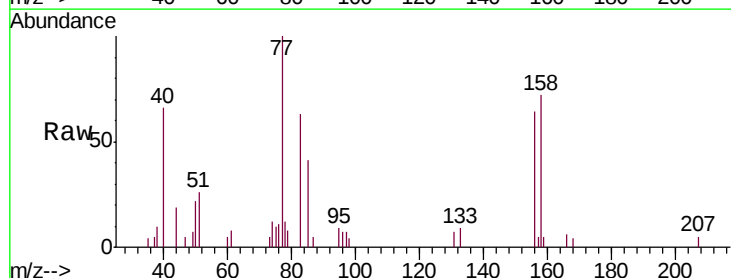
Tgt Ion: 83 Resp: 3091

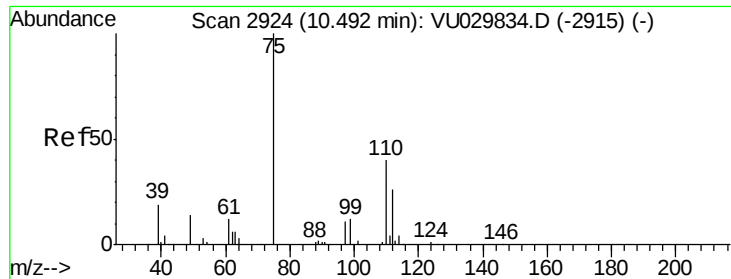
Ion Ratio Lower Upper

83 100

131 6.7 8.3 12.5#

85 63.2 52.5 78.7

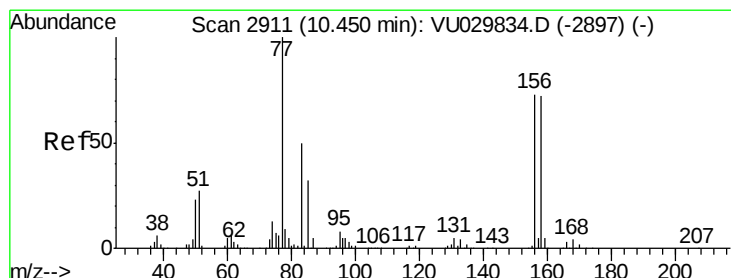
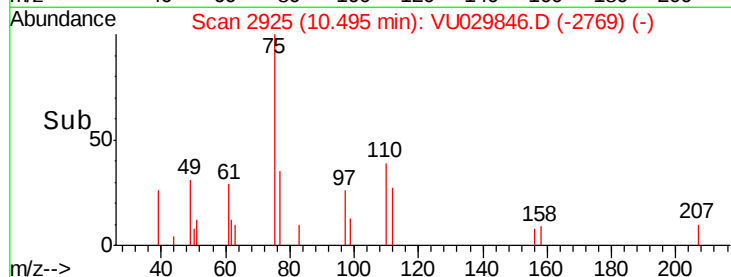
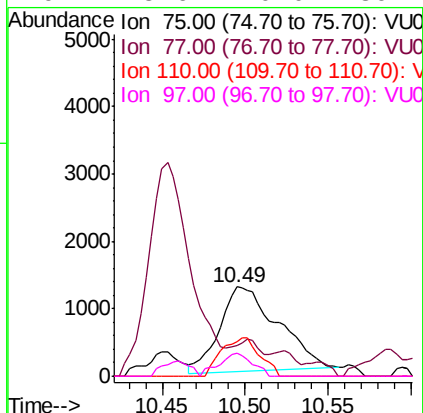
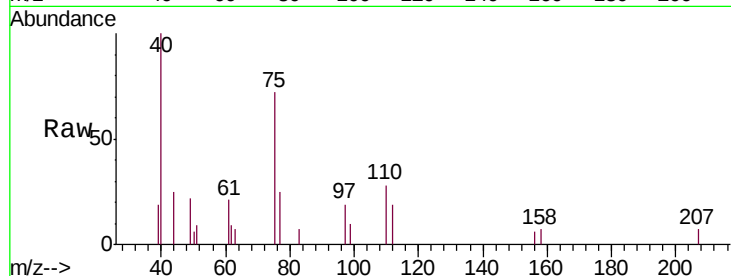




#71
 1,2,3-Trichloropropane
 Concen: 0.277 ug/l
 RT: 10.49 min Scan# 2925
 Delta R.T. 0.00 min
 Lab File: VU029846.D
 Acq: 07 Mar 2019 10:49

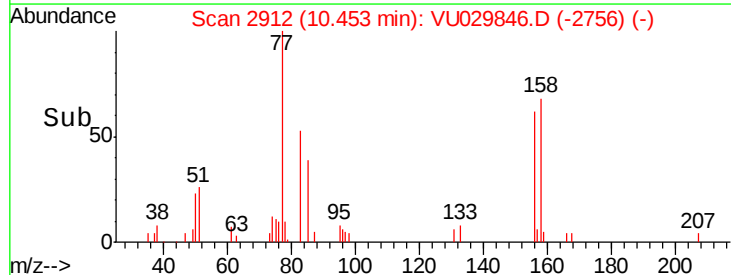
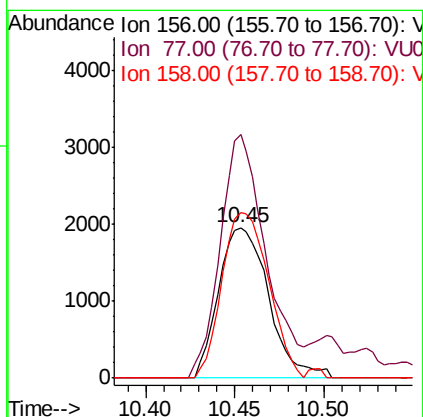
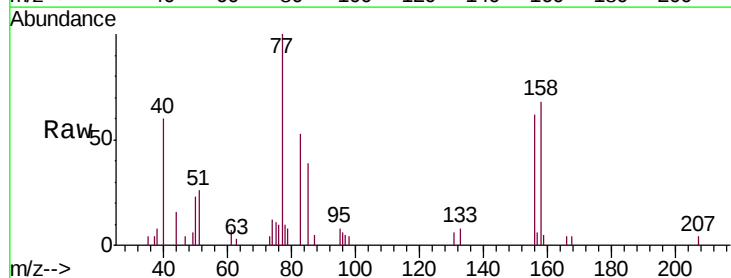
Instrument :
 MSVOA_U
 ClientSampled :
 MDL03

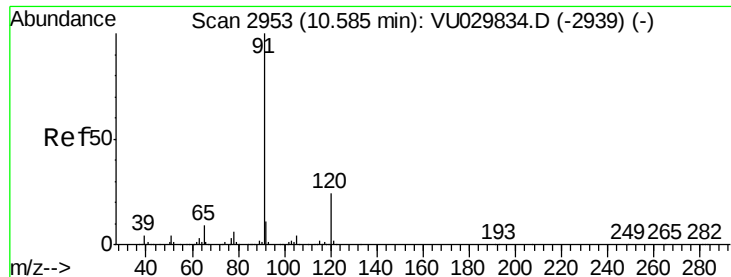
Tgt Ion: 75 Resp: 3061
 Ion Ratio Lower Upper
 75 100
 77 23.3 0.0 16.4#
 110 29.8 0.0 74.8
 97 15.6 0.0 39.4



#72
 Bromobenzene
 Concen: 0.198 ug/l
 RT: 10.45 min Scan# 2912
 Delta R.T. 0.00 min
 Lab File: VU029846.D
 Acq: 07 Mar 2019 10:49

Tgt Ion: 156 Resp: 3828
 Ion Ratio Lower Upper
 156 100
 77 148.0 0.0 282.2
 158 102.6 0.0 196.2

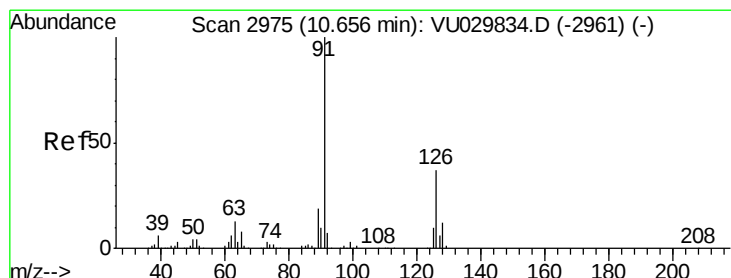
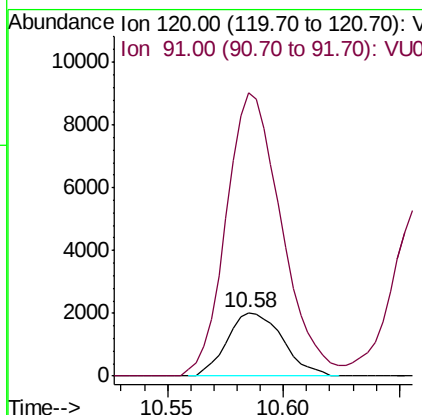
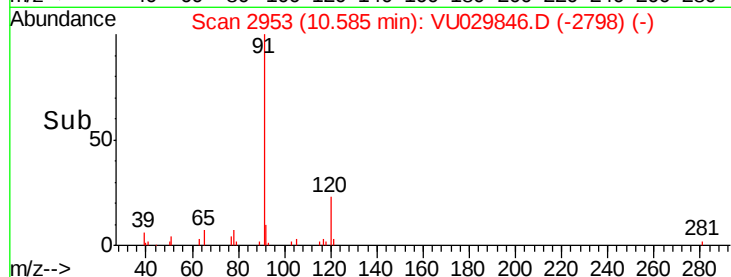
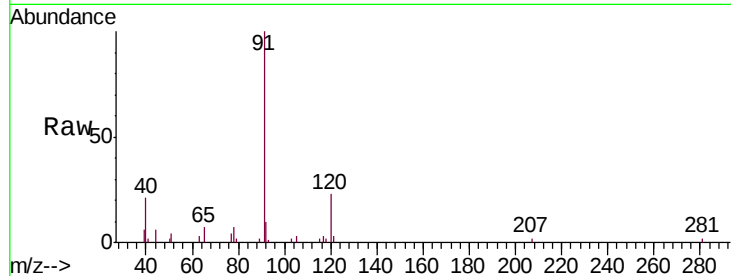




#73
n-propylbenzene
Concen: 0.163 ug/l
RT: 10.58 min Scan# 2953
Delta R.T. -0.00 min
Lab File: VU029846.D
Acq: 07 Mar 2019 10:49

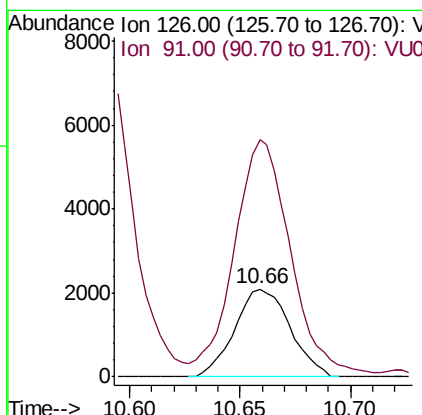
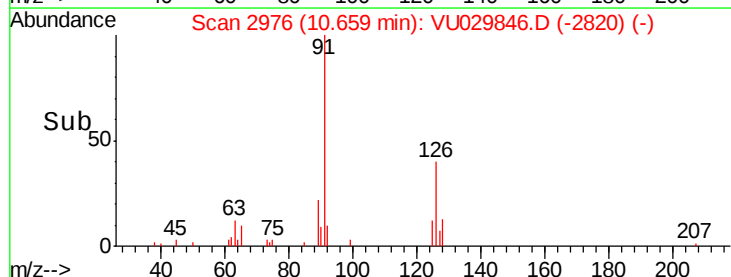
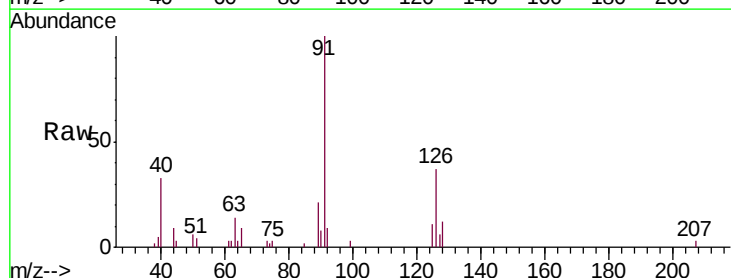
Instrument :
MSVOA_U
ClientSampleId :
MDL03

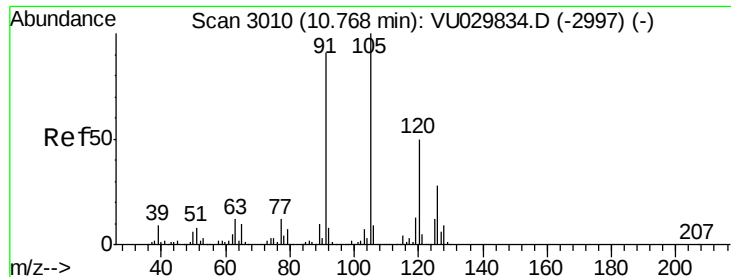
Tgt Ion:120 Resp: 3361
Ion Ratio Lower Upper
120 100
91 446.4 333.4 500.2



#74
2-Chlorotoluene
Concen: 0.201 ug/l
RT: 10.66 min Scan# 2976
Delta R.T. 0.00 min
Lab File: VU029846.D
Acq: 07 Mar 2019 10:49

Tgt Ion:126 Resp: 3659
Ion Ratio Lower Upper
126 100
91 265.3 0.0 569.0





#75

1,3,5-Trimethylbenzene

Concen: 0.180 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. -0.00 min

Lab File: VU029846.D

Acq: 07 Mar 2019 10:49

Instrument :

MSVOA_U

ClientSampleId :

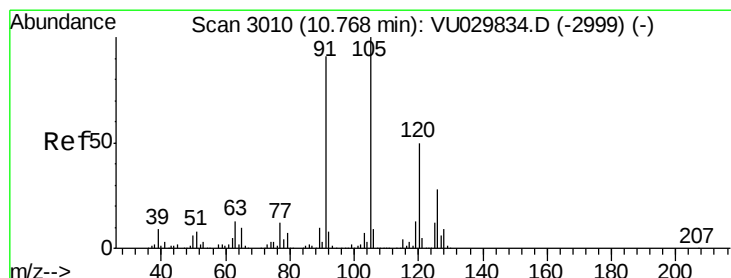
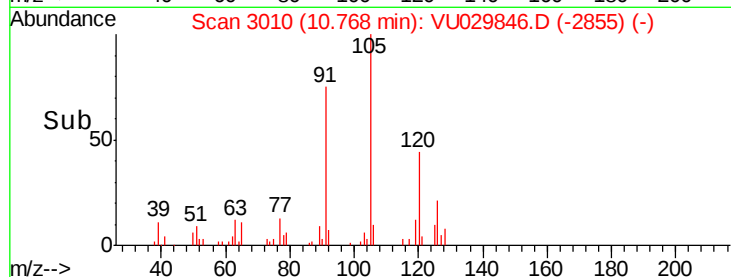
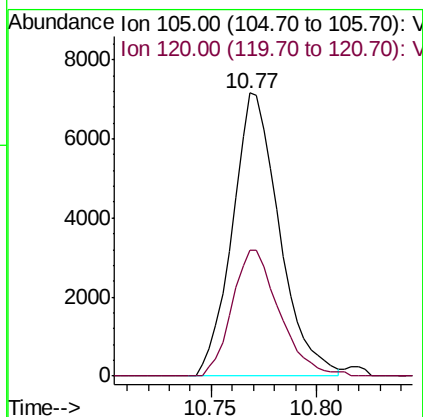
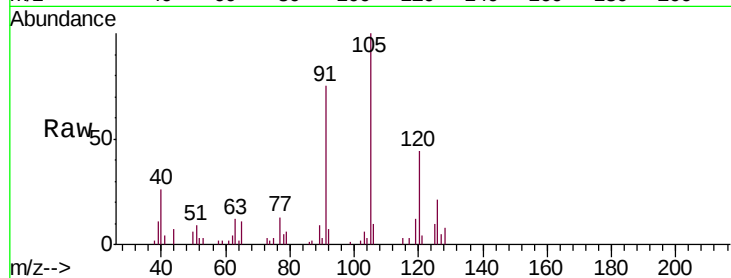
MDL03

Tgt Ion:105 Resp: 11090

Ion Ratio Lower Upper

105 100

120 44.7 40.0 60.0



#76

4-Chlorotoluene

Concen: 0.173 ug/l

RT: 10.77 min Scan# 3012

Delta R.T. 0.01 min

Lab File: VU029846.D

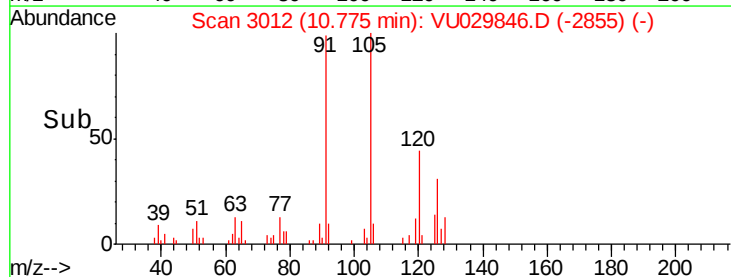
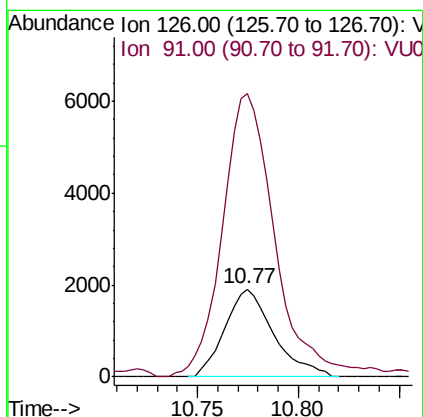
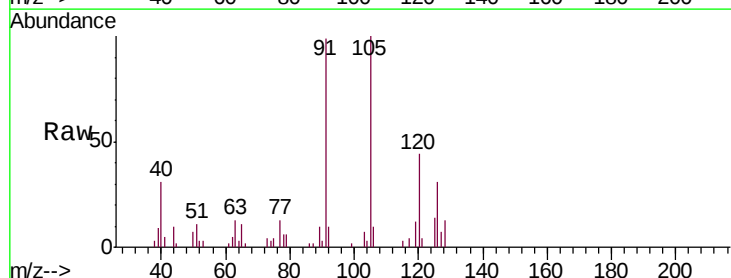
Acq: 07 Mar 2019 10:49

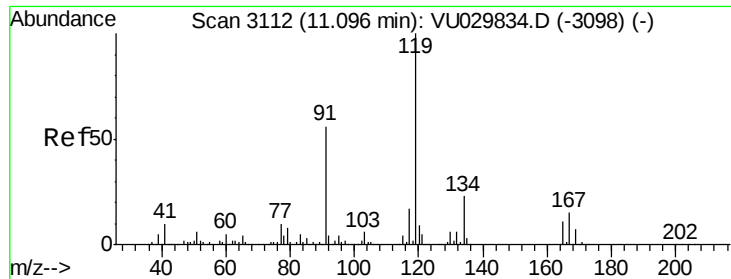
Tgt Ion:126 Resp: 3227

Ion Ratio Lower Upper

126 100

91 350.1 0.0 634.8

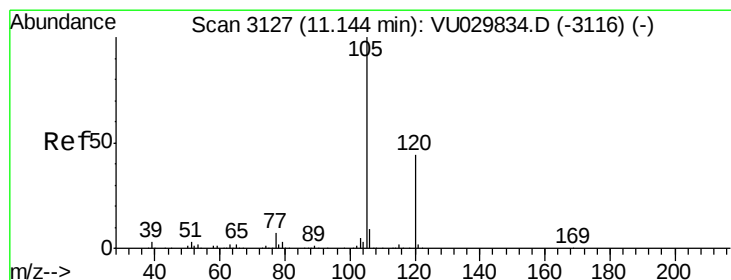
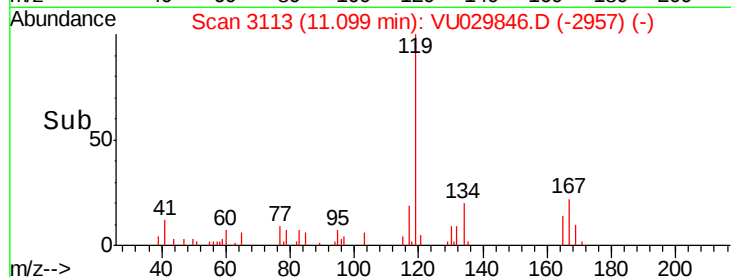
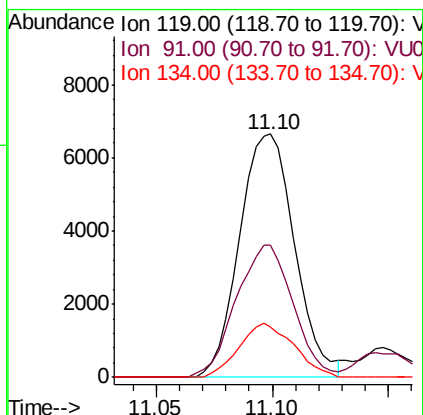
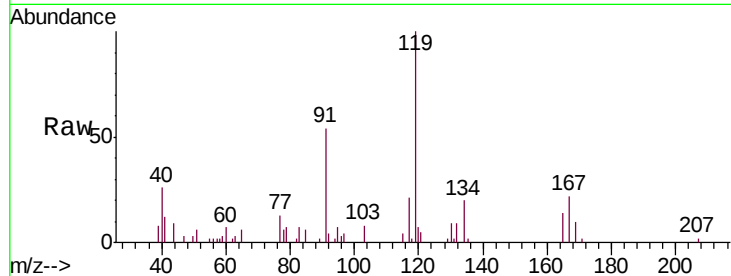




#77
 tert-Butylbenzene
 Concen: 0.180 ug/l
 RT: 11.10 min Scan# 3113
 Delta R.T. 0.00 min
 Lab File: VU029846.D
 Acq: 07 Mar 2019 10:49

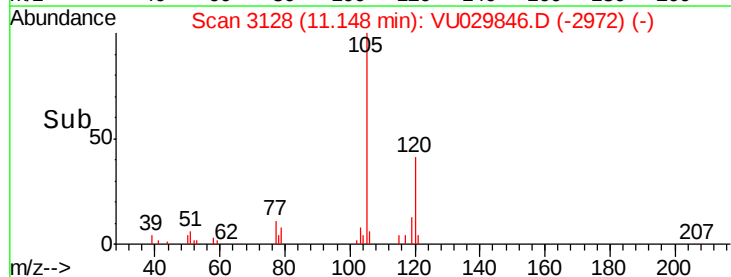
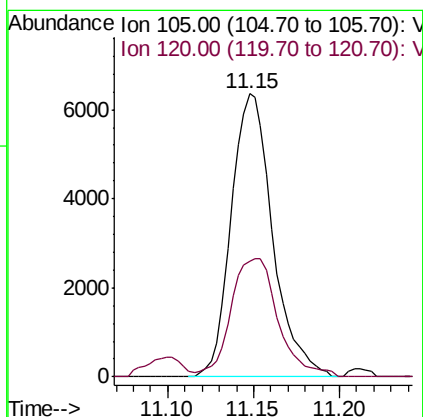
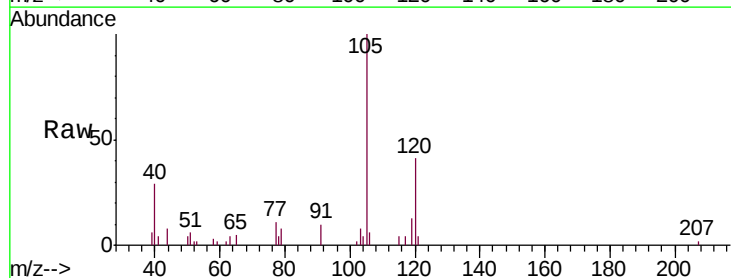
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL03

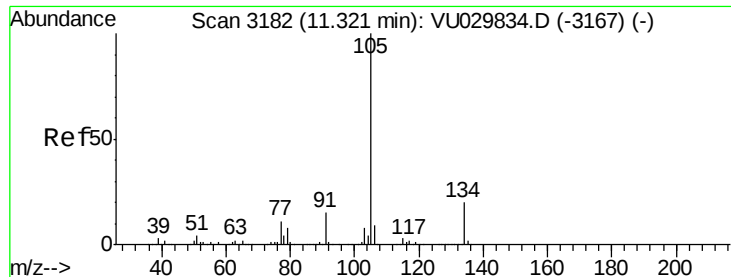
Tgt Ion:119 Resp: 10998
 Ion Ratio Lower Upper
 119 100
 91 56.0 27.7 83.1
 134 22.1 18.7 28.1



#78
 1,2,4-Trimethylbenzene
 Concen: 0.172 ug/l
 RT: 11.15 min Scan# 3128
 Delta R.T. 0.00 min
 Lab File: VU029846.D
 Acq: 07 Mar 2019 10:49

Tgt Ion:105 Resp: 10698
 Ion Ratio Lower Upper
 105 100
 120 47.6 23.5 70.5





#79

sec-Butylbenzene

Concen: 0.161 ug/l

RT: 11.32 min Scan# 3182

Delta R.T. -0.00 min

Lab File: VU029846.D

Acq: 07 Mar 2019 10:49

Instrument :

MSVOA_U

ClientSampleId :

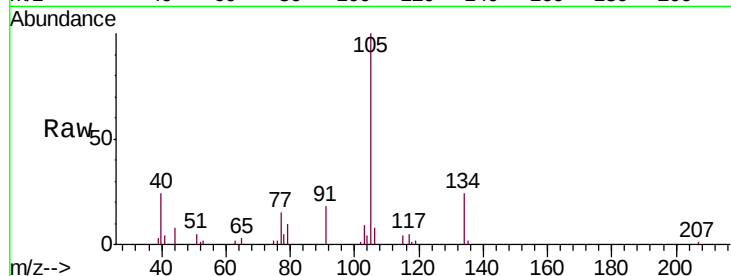
MDL03

Tgt Ion:105 Resp: 13026

Ion Ratio Lower Upper

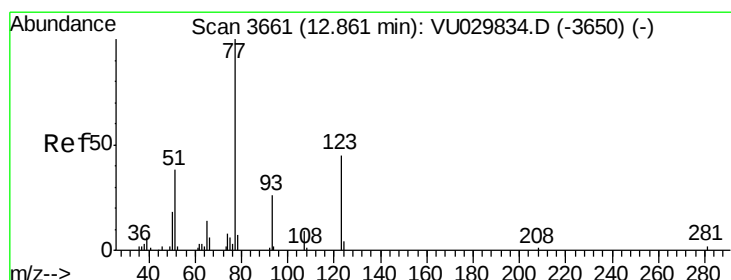
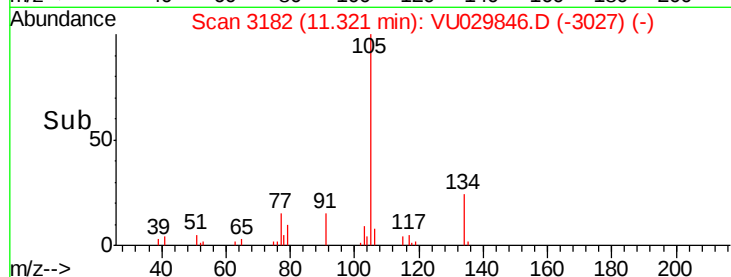
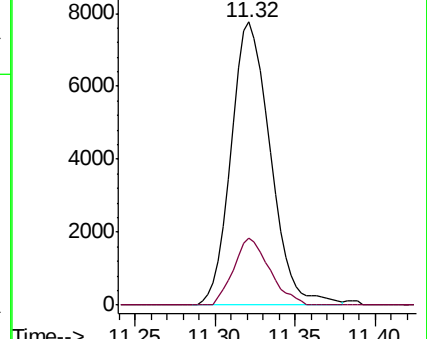
105 100

134 21.5 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: 0.255 ug/l

RT: 12.66 min Scan# 3597

Delta R.T. -0.21 min

Lab File: VU029846.D

Acq: 07 Mar 2019 10:49

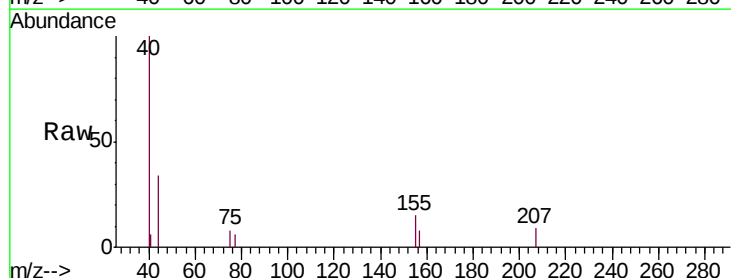
Tgt Ion: 77 Resp: 69

Ion Ratio Lower Upper

77 100

123 0.0 20.2 71.4#

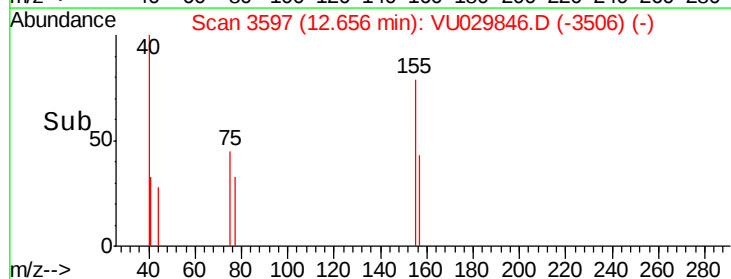
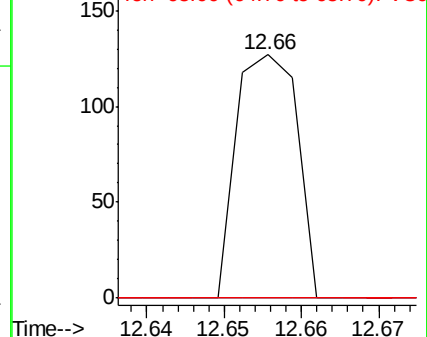
65 0.0 14.0 17.8#

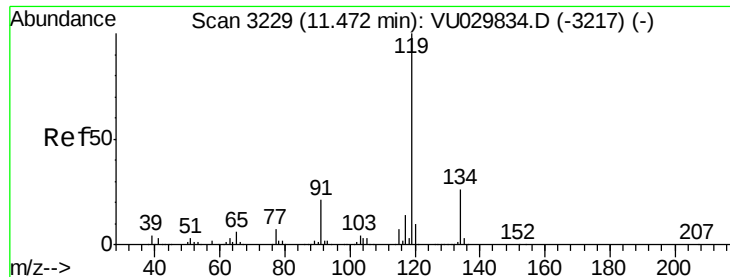


Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0

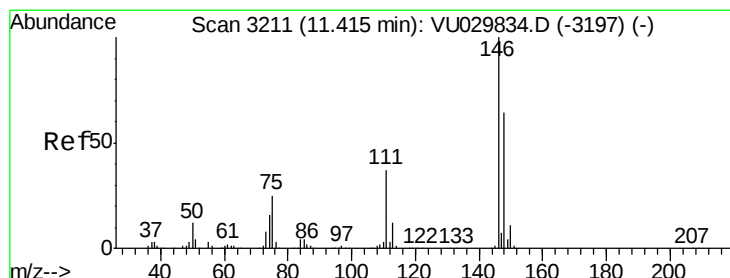
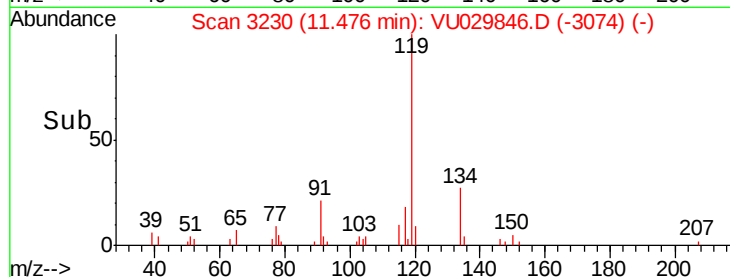
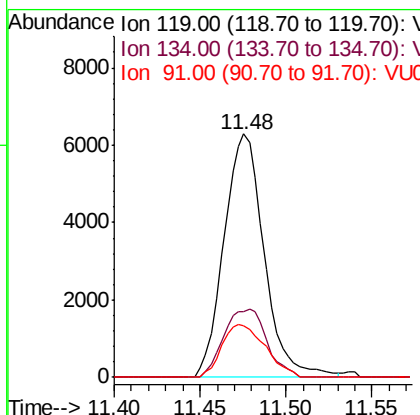
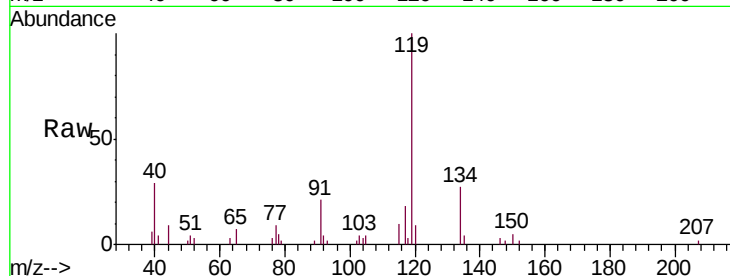




#81
p-Isopropyltoluene
Concen: 0.152 ug/l
RT: 11.48 min Scan# 3230
Delta R.T. 0.00 min
Lab File: VU029846.D
Acq: 07 Mar 2019 10:49

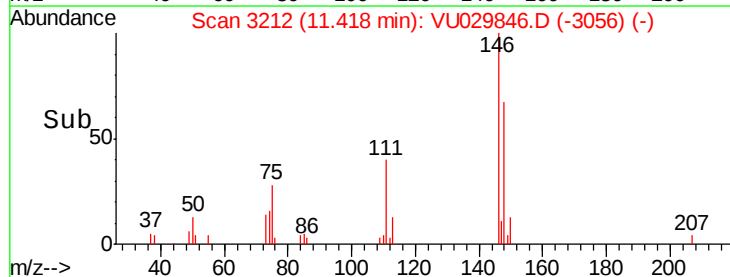
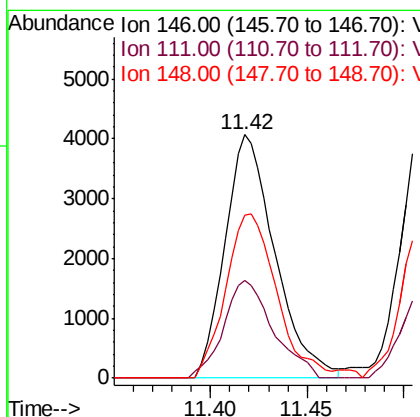
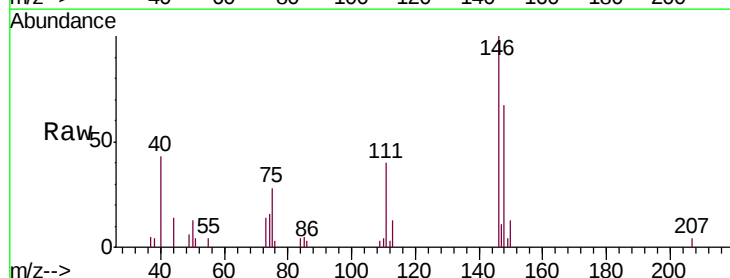
Instrument :
MSVOA_U
ClientSampleId :
MDL03

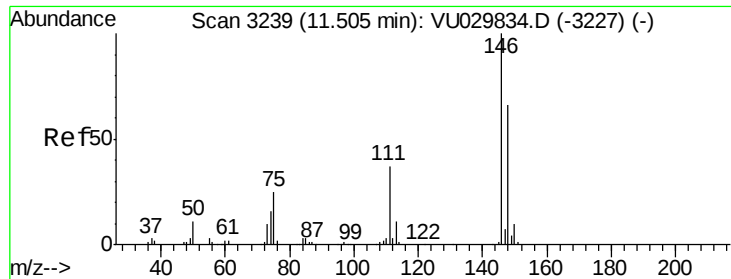
Tgt Ion:119 Resp: 10255
Ion Ratio Lower Upper
119 100
134 29.9 21.2 31.8
91 23.3 17.2 25.8



#82
1,3-Dichlorobenzene
Concen: 0.190 ug/l
RT: 11.42 min Scan# 3212
Delta R.T. 0.00 min
Lab File: VU029846.D
Acq: 07 Mar 2019 10:49

Tgt Ion:146 Resp: 7295
Ion Ratio Lower Upper
146 100
111 40.0 30.2 45.4
148 68.6 51.2 76.8

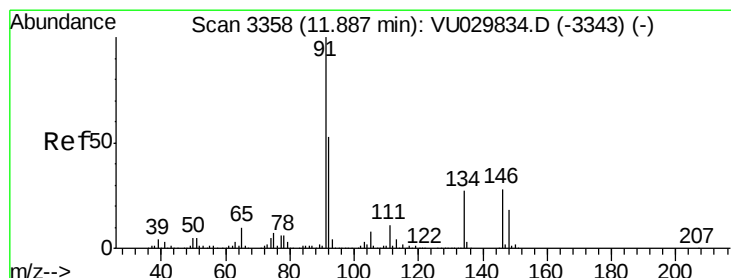
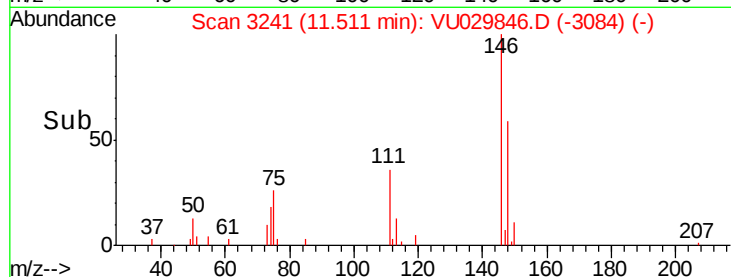
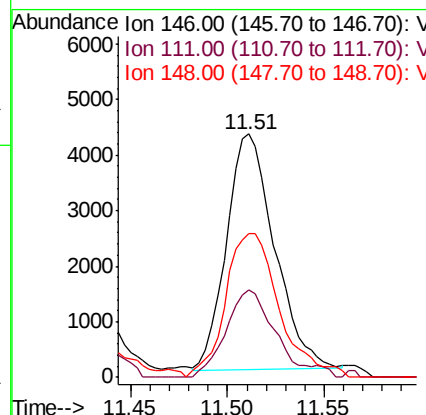
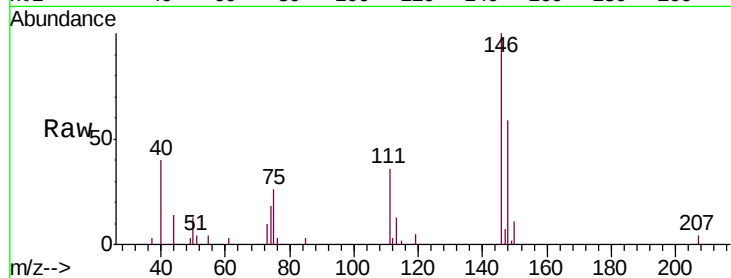




#83
 1,4-Dichlorobenzene
 Concen: 0.196 ug/l
 RT: 11.51 min Scan# 3241
 Delta R.T. 0.01 min
 Lab File: VU029846.D
 Acq: 07 Mar 2019 10:49

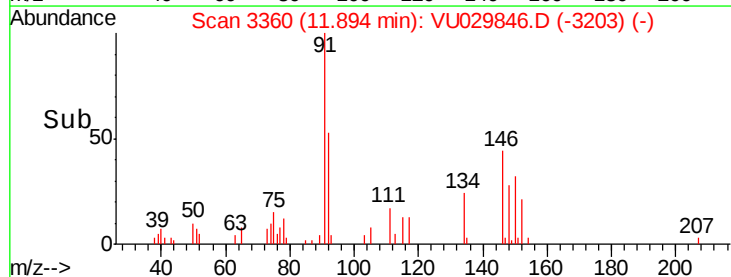
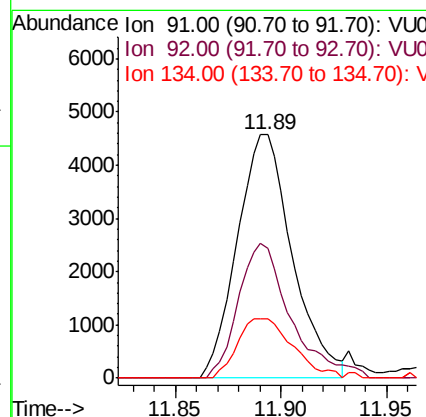
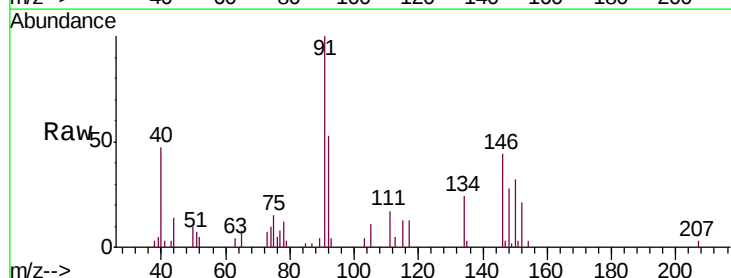
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL03

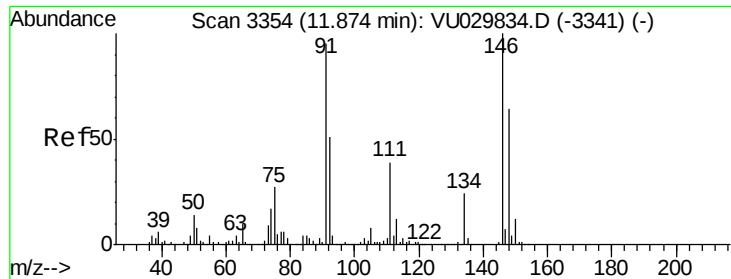
Tgt Ion: 146 Resp: 7329
 Ion Ratio Lower Upper
 146 100
 111 38.7 29.4 44.2
 148 68.3 51.7 77.5



#84
 n-Butylbenzene
 Concen: 0.135 ug/l
 RT: 11.89 min Scan# 3360
 Delta R.T. 0.01 min
 Lab File: VU029846.D
 Acq: 07 Mar 2019 10:49

Tgt Ion: 91 Resp: 8305
 Ion Ratio Lower Upper
 91 100
 92 52.6 42.6 63.8
 134 24.3 21.7 32.5





#85

1,2-Dichlorobenzene

Concen: 0.202 ug/l

RT: 11.88 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VU029846.D

Acq: 07 Mar 2019 10:49

Instrument :

MSVOA_U

ClientSampled :

MDL03

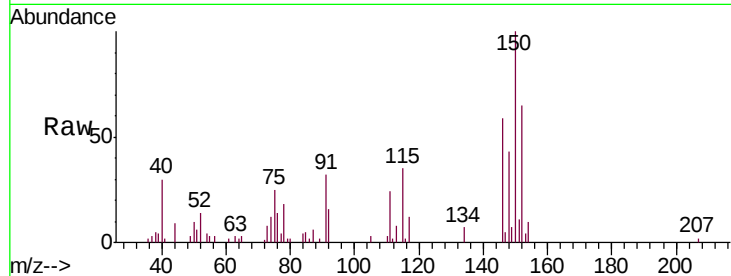
Tgt Ion:146 Resp: 7300

Ion Ratio Lower Upper

146 100

111 44.8 19.9 59.6

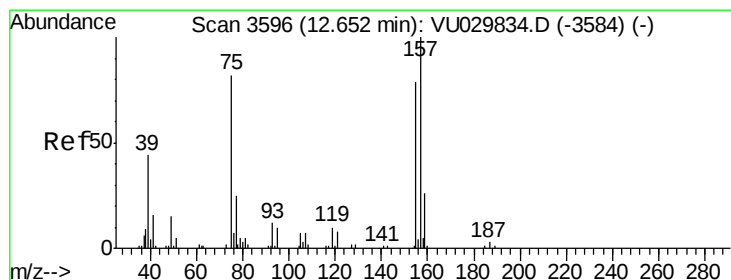
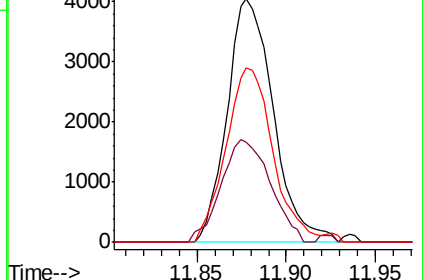
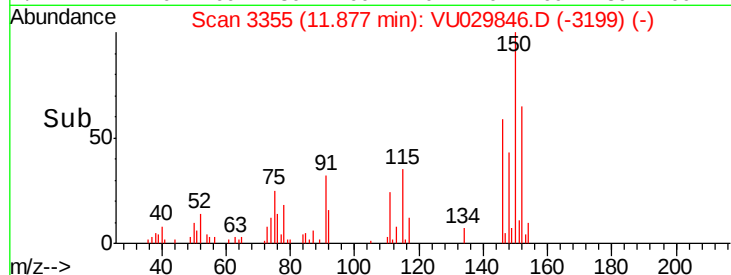
148 72.7 32.1 96.3



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



#86

1,2-Dibromo-3-Chloropropane

Concen: 0.123 ug/l

RT: 12.66 min Scan# 3598

Delta R.T. 0.01 min

Lab File: VU029846.D

Acq: 07 Mar 2019 10:49

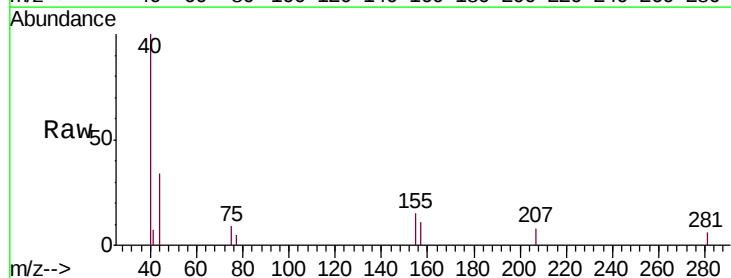
Tgt Ion: 75 Resp: 261

Ion Ratio Lower Upper

75 100

155 155.9 76.6 114.8#

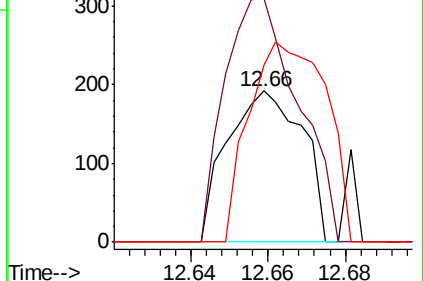
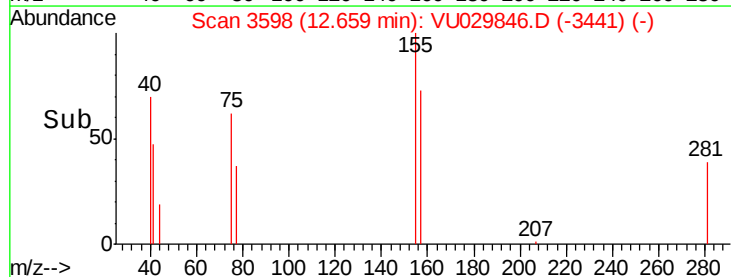
157 134.5 96.2 144.2

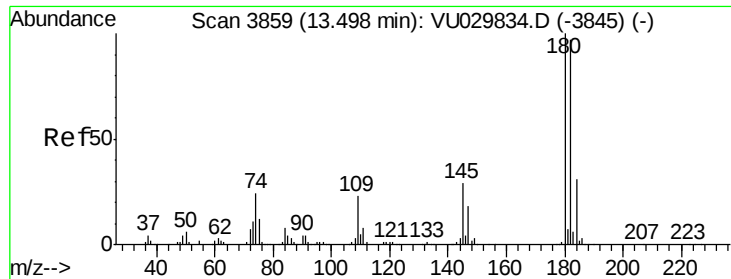


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V





#87

1,2,4-Trichlorobenzene

Concen: 0.169 ug/l

RT: 13.51 min Scan# 3864

Delta R.T. 0.02 min

Lab File: VU029846.D

Acq: 07 Mar 2019 10:49

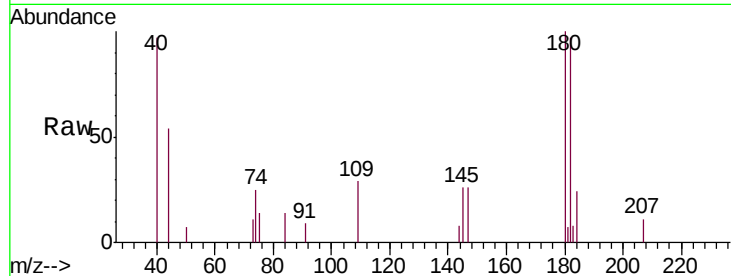
Instrument :

MSVOA_U

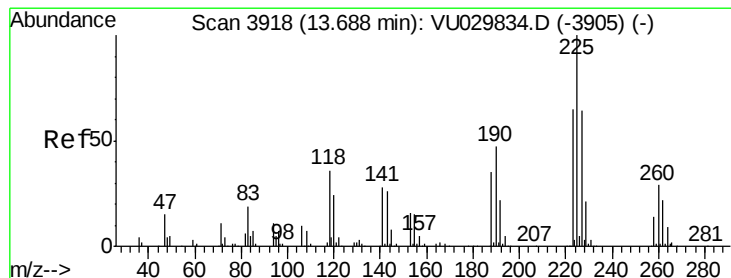
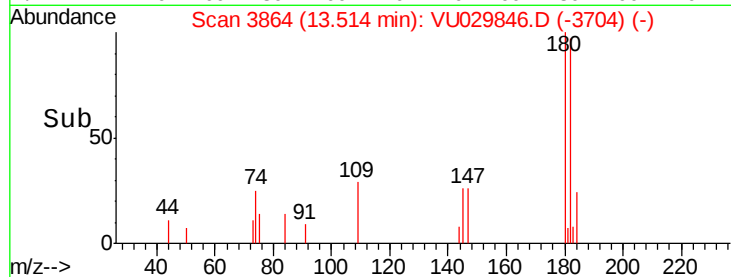
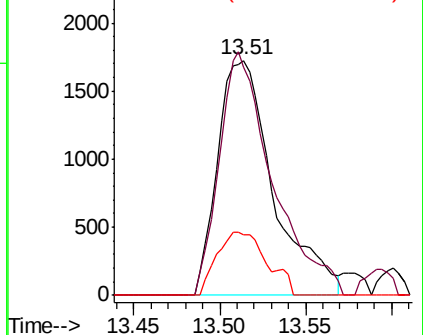
ClientSampleId :

MDL03

Tgt Ion:	180	Resp:	3907
Ion	Ratio	Lower	Upper
180	100		
182	98.6	77.5	116.3
145	24.0	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: 0.135 ug/l

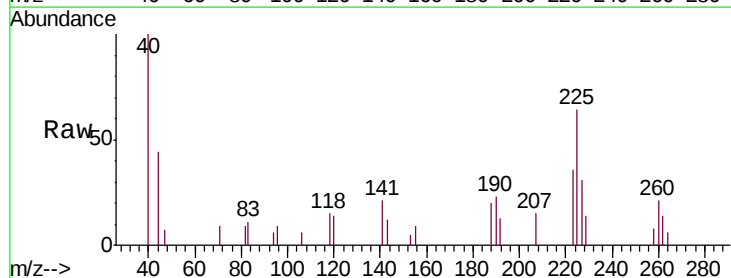
RT: 13.69 min Scan# 3920

Delta R.T. 0.01 min

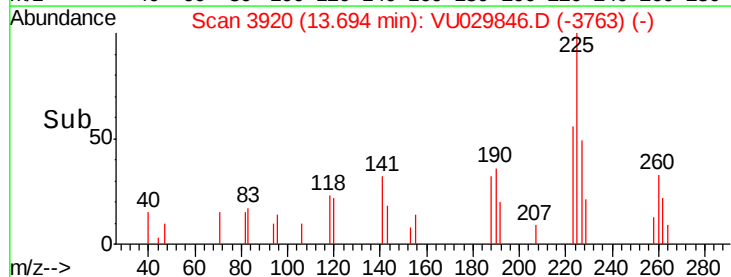
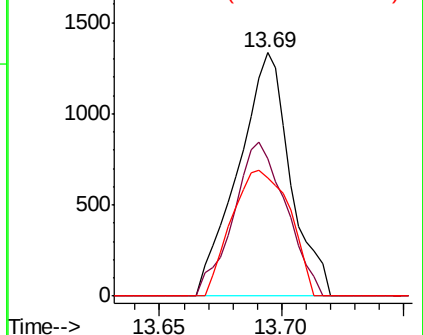
Lab File: VU029846.D

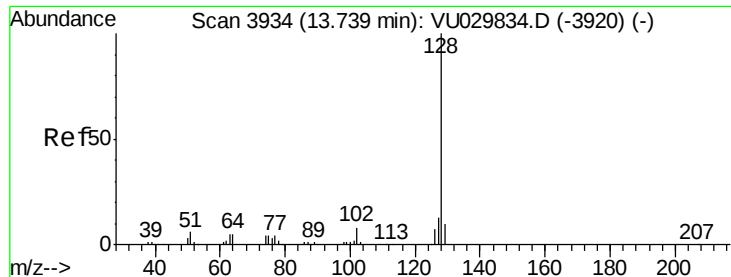
Acq: 07 Mar 2019 10:49

Tgt Ion:	225	Resp:	1972
Ion	Ratio	Lower	Upper
225	100		
223	64.0	51.2	76.8
227	58.3	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: 0.543 ug/l

RT: 13.75 min Scan# 3938

Delta R.T. 0.01 min

Lab File: VU029846.D

Acq: 07 Mar 2019 10:49

Instrument :

MSVOA_U

ClientSampleId :

MDL03

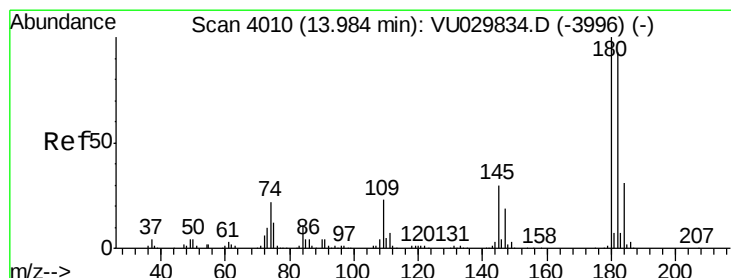
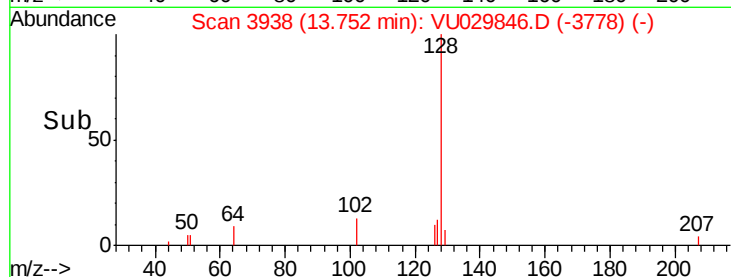
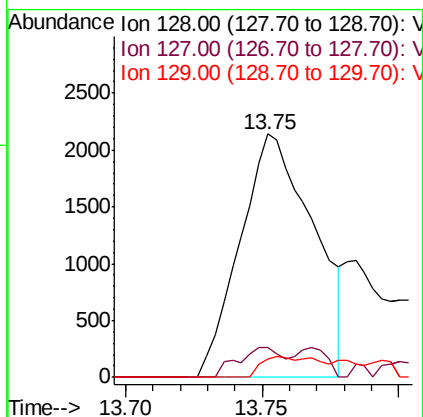
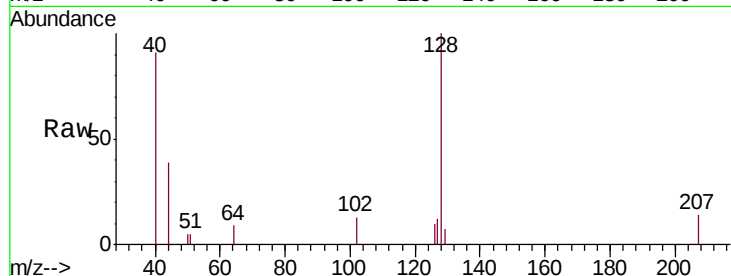
Tgt Ion:128 Resp: 3998

Ion Ratio Lower Upper

128 100

127 7.3 10.2 15.4#

129 3.7 8.2 12.4#



#90

1,2,3-Trichlorobenzene

Concen: 0.198 ug/l

RT: 13.99 min Scan# 4013

Delta R.T. 0.01 min

Lab File: VU029846.D

Acq: 07 Mar 2019 10:49

Tgt Ion:180 Resp: 4315

Ion Ratio Lower Upper

180 100

182 100.9 74.8 112.2

145 21.8 24.6 36.8#

