

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU020619\
 Data File : VU029358.D
 Acq On : 06 Feb 2019 11:54
 Operator : JC/SP
 Sample : MDL04
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL04

Quant Time: Feb 08 12:09:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U020519DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Feb 08 10:52:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	5.74	96	49967	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.31	95	19056	0.98	ug/l	0.00
Spiked Amount 1.000			Recovery	=	98.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	19571	0.98	ug/l	0.00
Spiked Amount 1.000			Recovery	=	98.00%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	4624	0.248 ug/l	93
3) Chloromethane	1.33	50	4057	0.238 ug/l	99
4) Vinyl Chloride	1.40	62	4686	0.235 ug/l	97
5) Bromomethane	1.63	94	3592	0.323 ug/l	85
6) Chloroethane	1.70	64	2604	0.223 ug/l	99
7) Trichlorofluoromethane	1.88	101	6920	0.248 ug/l	96
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	3805	0.258 ug/l #	83
9) 1,1-Dichloroethene	2.28	96	3856	0.268 ug/l	59
10) Iodomethane	2.41	142	3067	0.438 ug/l	91
11) Allyl Chloride	2.59	41	5441	0.225 ug/l	95
12) Acrylonitrile	2.94	53	1793	0.555 ug/l #	59
13) Acetone	2.32	43	5984	1.922 ug/l #	84
14) Carbon Disulfide	2.48	76	12726	0.250 ug/l #	94
15) Methylene Chloride	2.70	84	6044	0.346 ug/l #	80
16) trans-1,2-Dichloroethene	2.98	96	4055	0.252 ug/l #	71
17) 1,1-Dichloroethane	3.44	63	5845	0.229 ug/l #	89
18) 2-Butanone	4.30	43	2805	0.806 ug/l	97
20) Methylcyclohexane	6.41	83	6166	0.248 ug/l #	82
22) cis-1,2-Dichloroethene	4.23	96	4594	0.303 ug/l	69
23) Diethyl Ether	2.10	59	3462	0.299 ug/l	89
24) tert-Butyl Alcohol	2.83	59	4325	3.595 ug/l #	90
25) Methyl tert-Butyl Ether	3.00	73	9675	0.238 ug/l #	59
26) Bromochloromethane	4.55	128	1557	0.232 ug/l	78
27) Chloroform	4.67	83	6498	0.262 ug/l	99
28) 1,1,1-Trichloroethane	4.91	97	6044	0.263 ug/l	89
29) 1,1-Dichloropropene	5.13	75	4820	0.241 ug/l #	82
30) Carbon Tetrachloride	5.13	117	4872	0.234 ug/l	96
31) Isopropyl Ether	3.58	45	8717	0.226 ug/l	92
32) Ethyl-t-butyl ether	4.07	59	9555	0.247 ug/l	93
33) Tert-Amyl methyl ether	5.58	73	8671	0.248 ug/l #	94
34) Propionitrile	4.33	54	170	0.186 ug/l #	71
35) Benzene	5.39	78	13140	0.238 ug/l	97
36) 1,2-Dichloroethane	5.41	62	3460	0.207 ug/l	99
37) Trichloroethene	6.18	130	3725	0.235 ug/l #	75
38) 1,2-Dichloropropane	6.43	63	3463	0.241 ug/l	93
39) Methacrylonitrile	4.56	41	764	0.163 ug/l #	51
41) Tetrahydrofuran	4.67	42	878	0.372 ug/l #	52
42) 1-Chlorobutane	5.06	56	5849	0.218 ug/l	96
43) Dibromomethane	6.56	93	1771	0.231 ug/l #	79
44) Bromodichloromethane	6.76	83	4624	0.237 ug/l	96
45) 4-Methyl-2-Pentanone	7.47	43	9339	1.040 ug/l #	85

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 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

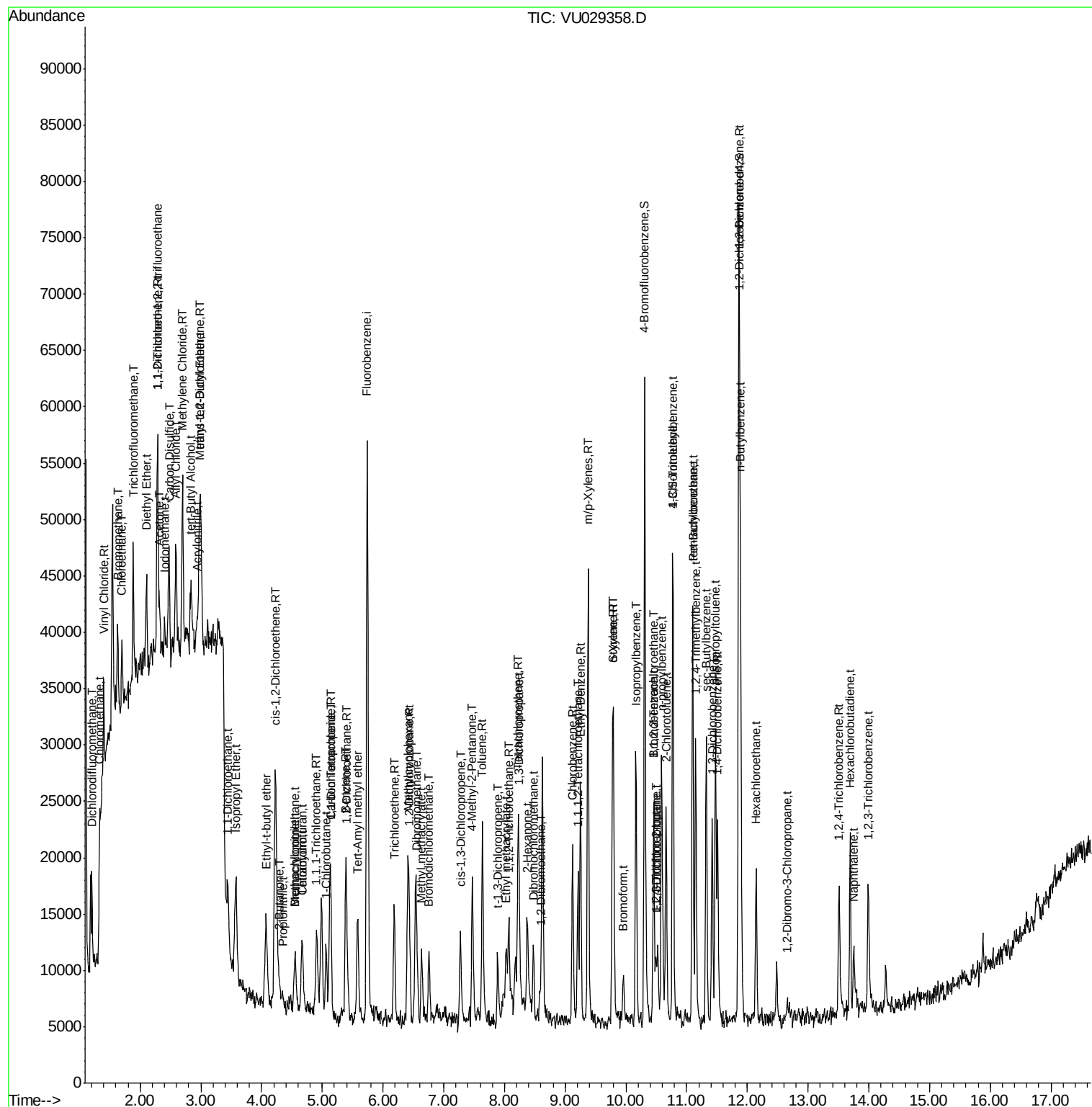
46) t-1,4-Dichloro-2-butene	10.49	75	1886	0.431	ug/l #	17
47) Methyl methacrylate	6.64	69	2532	0.376	ug/l #	74
48) Ethyl methacrylate	8.03	69	3155	0.218	ug/l	71
49) Toluene	7.64	92	7798	0.220	ug/l	99
50) t-1,3-Dichloropropene	7.89	75	4191	0.219	ug/l	94
51) cis-1,3-Dichloropropene	7.27	75	4902	0.216	ug/l	89
52) 1,1,2-Trichloroethane	8.07	97	2197	0.217	ug/l	91
53) 1,3-Dichloropropane	8.24	76	4064	0.228	ug/l	94
54) 2-Hexanone	8.37	43	6297	1.000	ug/l	78
55) Dibromochloromethane	8.48	129	3561	0.247	ug/l	91
56) 1,2-Dibromoethane	8.59	107	2139	0.206	ug/l	93
58) Tetrachloroethene	8.22	164	3819	0.259	ug/l #	83
59) Chlorobenzene	9.12	112	9386	0.236	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.21	131	3544	0.241	ug/l	93
61) Pentachloroethane	11.10	117	2467	0.216	ug/l	82
62) Hexachloroethane	12.14	117	2796	0.224	ug/l	85
63) Ethyl Benzene	9.25	91	16241	0.235	ug/l	93
64) m/p-Xylenes	9.38	106	12064	0.449	ug/l	90
65) o-Xylene	9.78	106	6277	0.238	ug/l	83
66) Styrene	9.79	104	9821	0.223	ug/l	92
67) Bromoform	9.96	173	2132	0.238	ug/l #	99
69) Isopropylbenzene	10.16	105	15817	0.224	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.46	83	3498	0.269	ug/l	96
71) 1,2,3-Trichloropropane	10.49	75	1886	0.211	ug/l #	87
72) Bromobenzene	10.45	156	4000	0.234	ug/l	87
73) n-propylbenzene	10.59	120	4311	0.219	ug/l	87
74) 2-Chlorotoluene	10.67	126	3955	0.236	ug/l	80
75) 1,3,5-Trimethylbenzene	10.77	105	13379	0.220	ug/l	94
76) 4-Chlorotoluene	10.77	126	4168	0.240	ug/l	74
77) tert-Butylbenzene	11.10	119	13875	0.231	ug/l	92
78) 1,2,4-Trimethylbenzene	11.15	105	14869	0.242	ug/l	100
79) sec-Butylbenzene	11.32	105	17926	0.228	ug/l	97
81) p-Isopropyltoluene	11.48	119	15396	0.231	ug/l	95
82) 1,3-Dichlorobenzene	11.42	146	7973	0.238	ug/l	97
83) 1,4-Dichlorobenzene	11.51	146	8359	0.250	ug/l	96
84) n-Butylbenzene	11.89	91	13834	0.226	ug/l	95
85) 1,2-Dichlorobenzene	11.88	146	7408	0.234	ug/l	97
86) 1,2-Dibromo-3-Chloropropan	12.66	75	373	0.154	ug/l #	54
87) 1,2,4-Trichlorobenzene	13.51	180	5091	0.229	ug/l	88
88) Hexachlorobutadiene	13.69	225	3413	0.265	ug/l	97
89) Naphthalene	13.75	128	8450	0.224	ug/l #	94
90) 1,2,3-Trichlorobenzene	13.99	180	4411	0.217	ug/l #	80

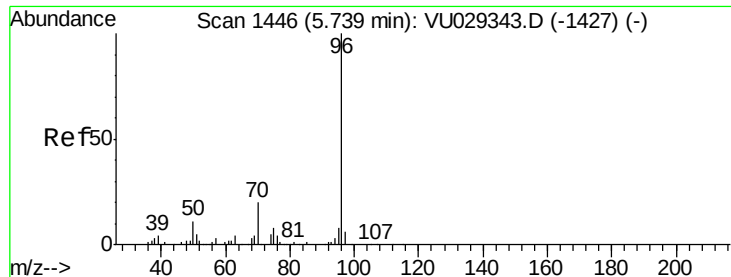
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU029358.D

Acq: 06 Feb 2019 11:54

Instrument :

MSVOA_U

ClientSampleId :

MDL04

Tgt Ion: 96 Resp: 49967

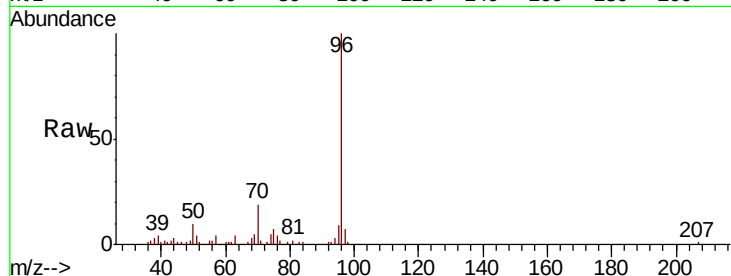
Ion Ratio Lower Upper

96 100

70 18.5 16.2 24.2

95 9.6 7.4 11.2

97 7.8 0.0 0.0#

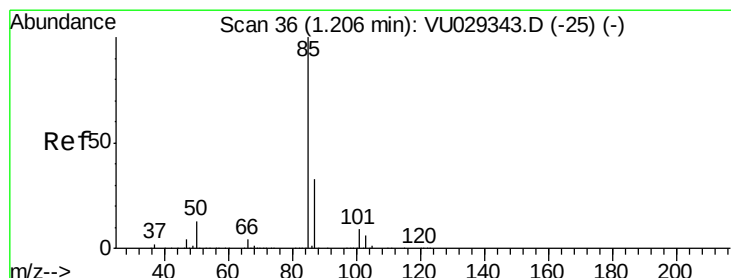
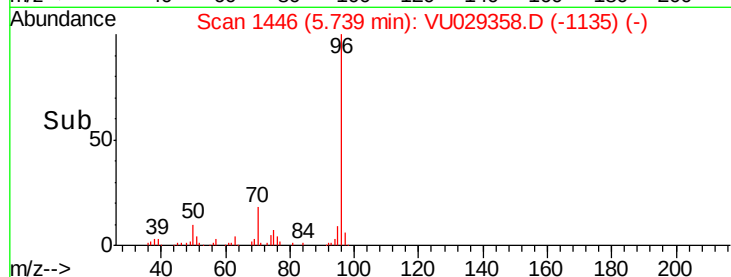
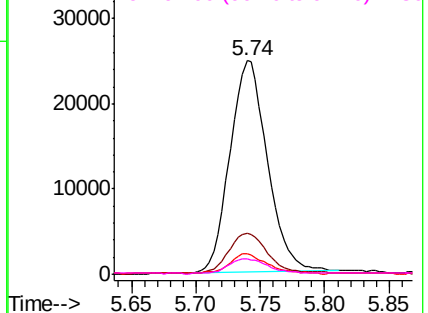


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0



#2

Dichlorodifluoromethane

Concen: 0.248 ug/l

RT: 1.21 min Scan# 36

Delta R.T. 0.00 min

Lab File: VU029358.D

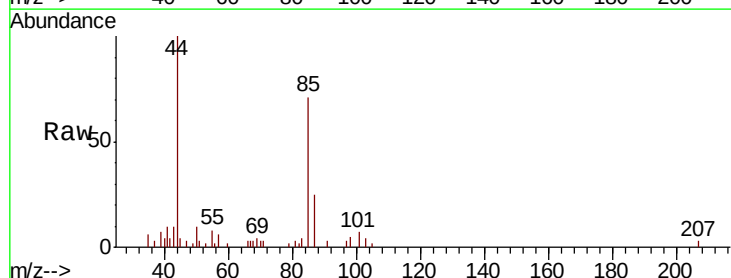
Acq: 06 Feb 2019 11:54

Tgt Ion: 85 Resp: 4624

Ion Ratio Lower Upper

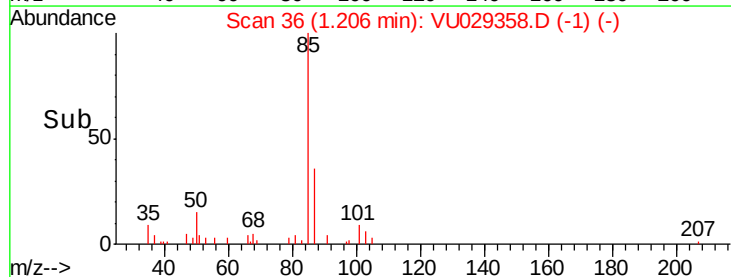
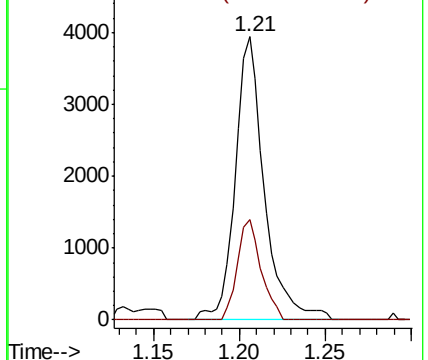
85 100

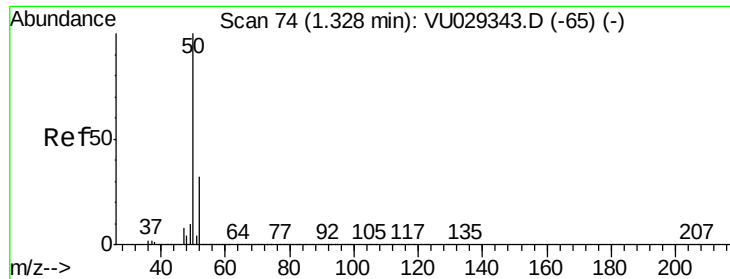
87 35.5 15.9 47.6



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0





#3

Chloromethane

Concen: 0.238 ug/l

RT: 1.33 min Scan# 74

Delta R.T. 0.00 min

Lab File: VU029358.D

Acq: 06 Feb 2019 11:54

Instrument :

MSVOA_U

ClientSampleId :

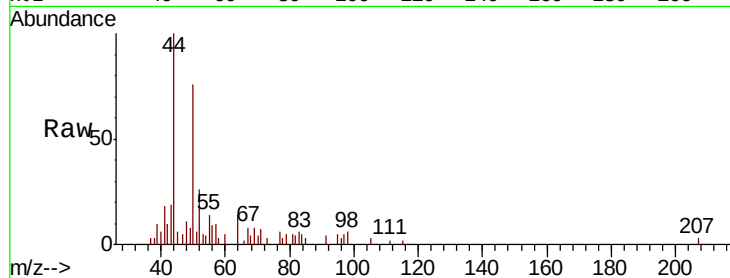
MDL04

Tgt Ion: 50 Resp: 4057

Ion Ratio Lower Upper

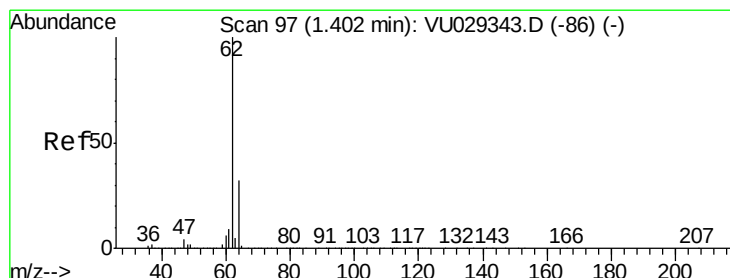
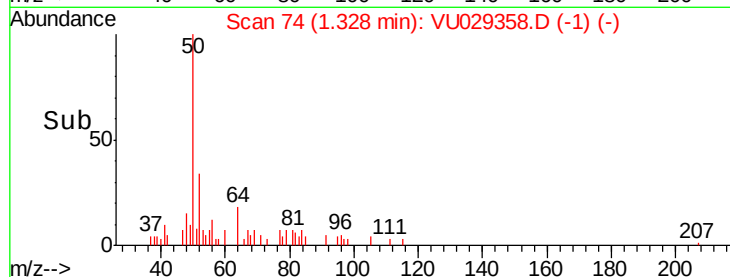
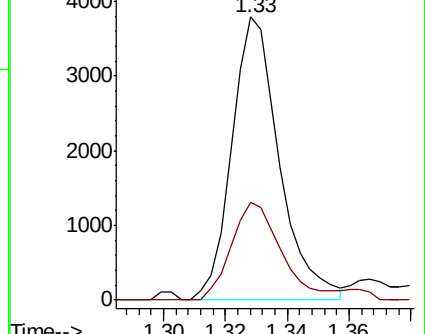
50 100

52 34.5 27.3 40.9



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#4

Vinyl Chloride

Concen: 0.235 ug/l

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU029358.D

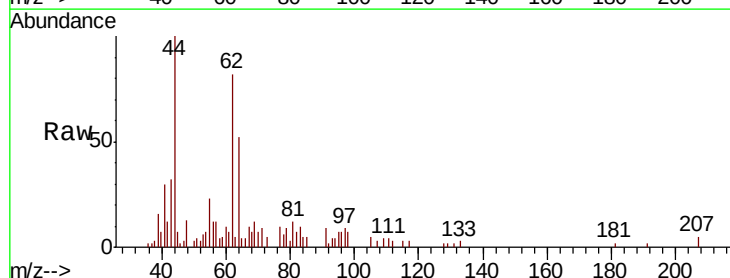
Acq: 06 Feb 2019 11:54

Tgt Ion: 62 Resp: 4686

Ion Ratio Lower Upper

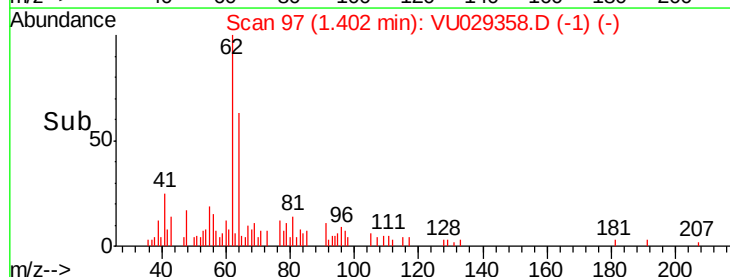
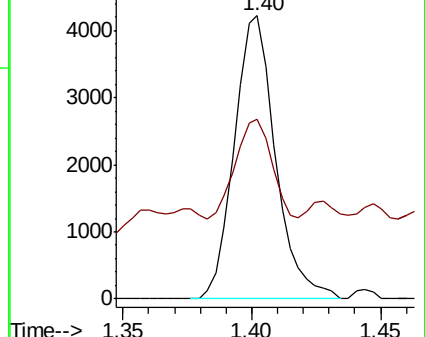
62 100

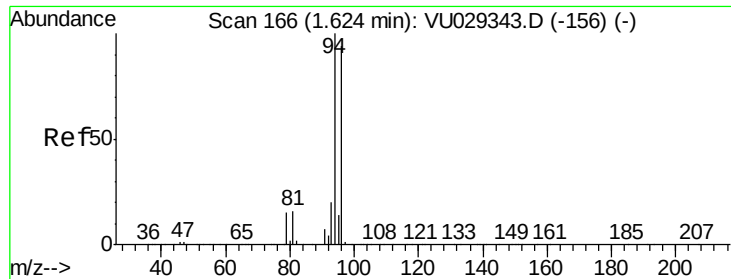
64 33.1 25.2 37.8



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0





#5

Bromomethane

Concen: 0.323 ug/l

RT: 1.63 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU029358.D

Acq: 06 Feb 2019 11:54

Instrument :

MSVOA_U

ClientSampled :

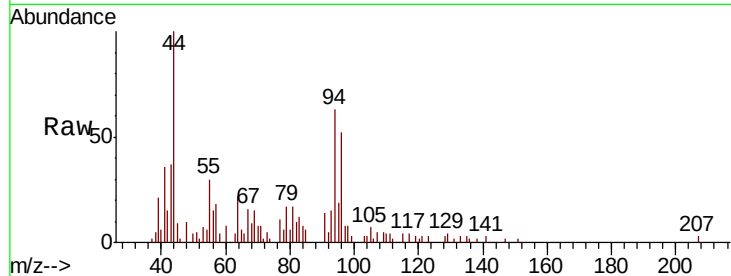
MDL04

Tgt Ion: 94 Resp: 3592

Ion Ratio Lower Upper

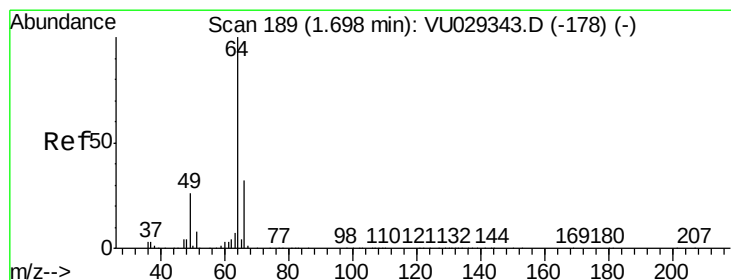
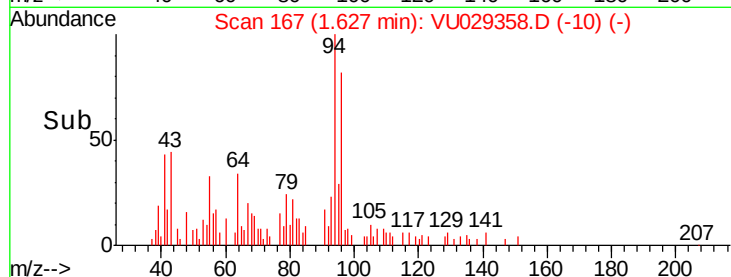
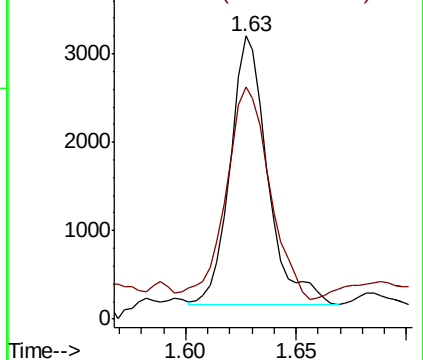
94 100

96 75.1 71.7 107.5



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0



#6

Chloroethane

Concen: 0.223 ug/l

RT: 1.70 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU029358.D

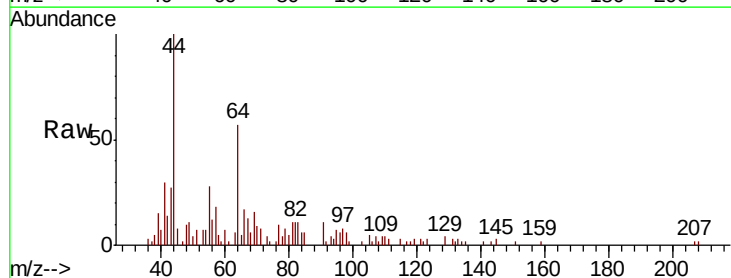
Acq: 06 Feb 2019 11:54

Tgt Ion: 64 Resp: 2604

Ion Ratio Lower Upper

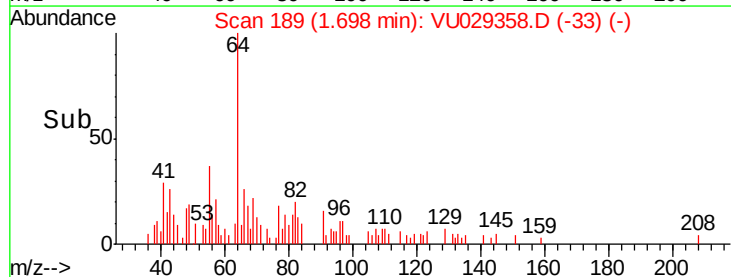
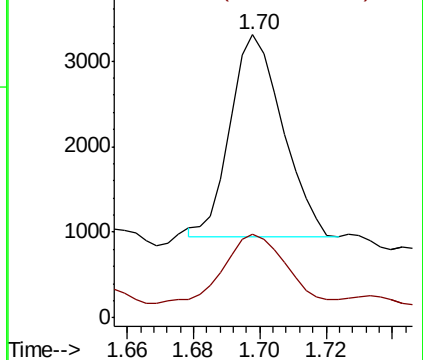
64 100

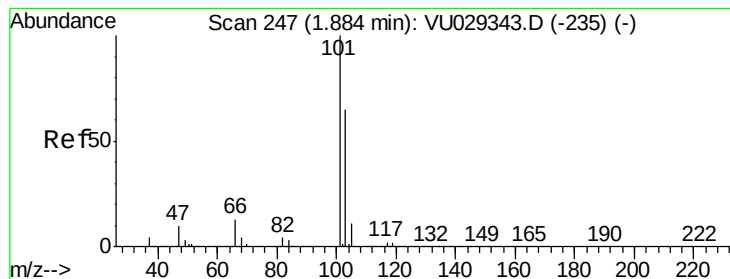
66 32.4 26.3 39.5



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0



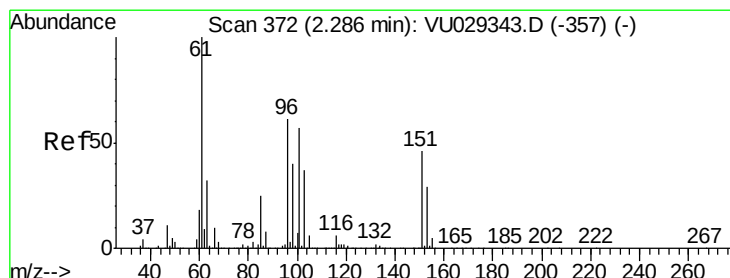
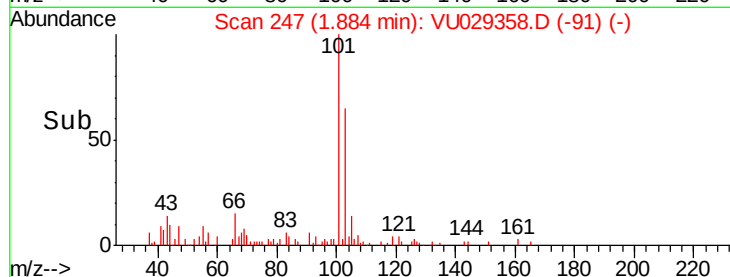
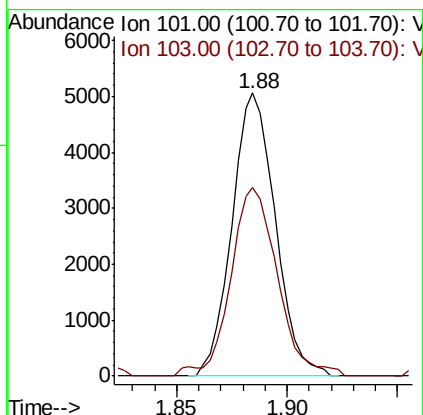
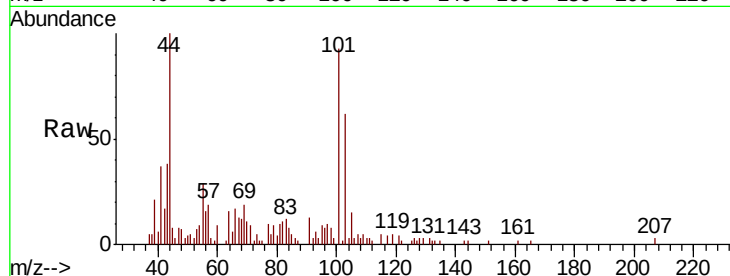


#7

Trichlorofluoromethane
 Concen: 0.248 ug/l
 RT: 1.88 min Scan# 247
 Delta R.T. 0.00 min
 Lab File: VU029358.D
 Acq: 06 Feb 2019 11:54

Instrument :
 MSVOA_U
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 MDL04

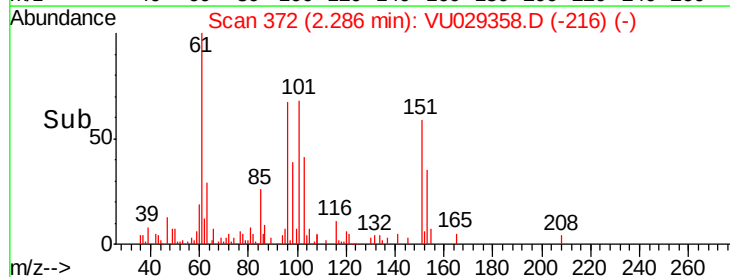
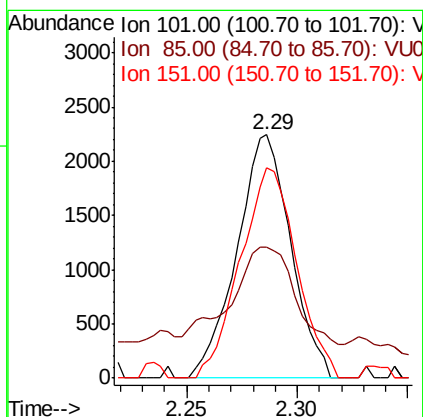
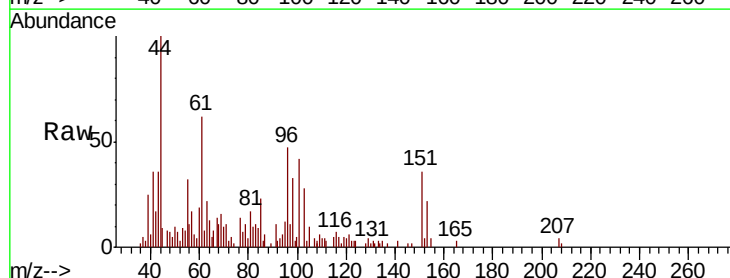
Tgt Ion:101 Resp: 6920
 Ion Ratio Lower Upper
 101 100
 103 64.2 53.9 80.9

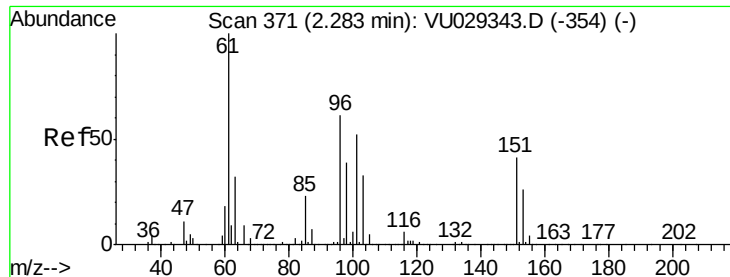


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.258 ug/l
 RT: 2.29 min Scan# 372
 Delta R.T. 0.00 min
 Lab File: VU029358.D
 Acq: 06 Feb 2019 11:54

Tgt Ion:101 Resp: 3805
 Ion Ratio Lower Upper
 101 100
 85 42.2 40.3 60.5
 151 90.3 58.1 87.1#





#9

1,1-Dichloroethene

Concen: 0.268 ug/l

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU029358.D

Acq: 06 Feb 2019 11:54

Instrument :

MSVOA_U

ClientSampleId :

MDL04

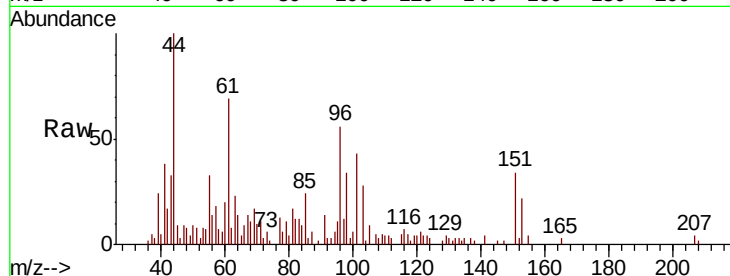
Tgt Ion: 96 Resp: 3856

Ion Ratio Lower Upper

96 100

61 135.6 0.0 641.4

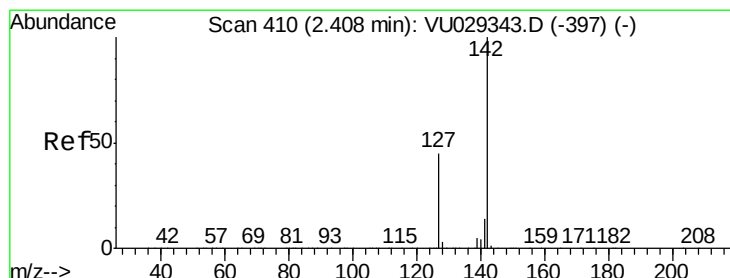
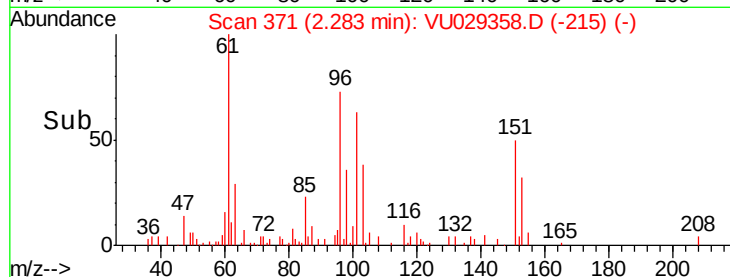
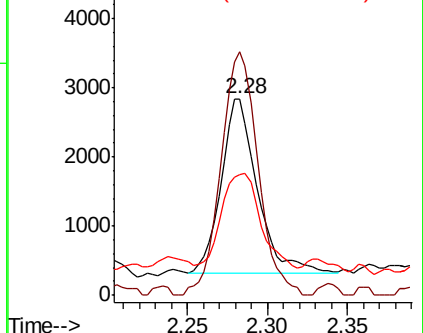
98 52.1 0.0 122.6



Abundance Ion 96.00 (95.70 to 96.70): VU029343.D (-354) (-)

Ion 61.00 (60.70 to 61.70): VU029343.D (-354) (-)

Ion 98.00 (97.70 to 98.70): VU029343.D (-354) (-)



#10

Iodomethane

Concen: 0.438 ug/l

RT: 2.41 min Scan# 410

Delta R.T. 0.00 min

Lab File: VU029358.D

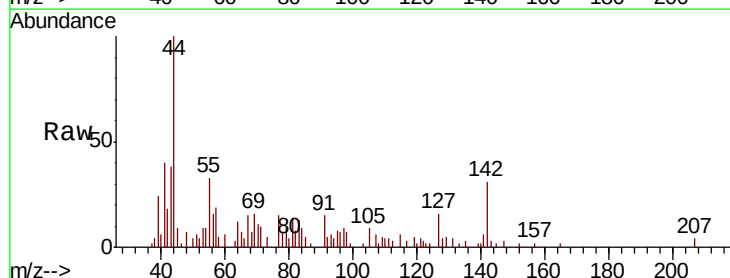
Acq: 06 Feb 2019 11:54

Tgt Ion: 142 Resp: 3067

Ion Ratio Lower Upper

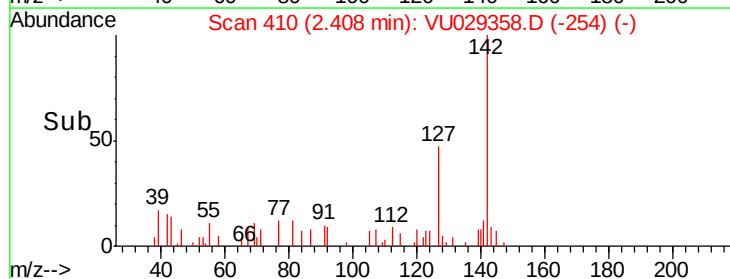
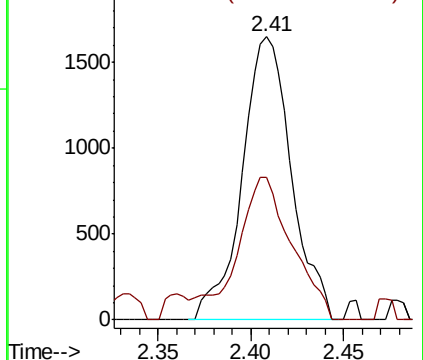
142 100

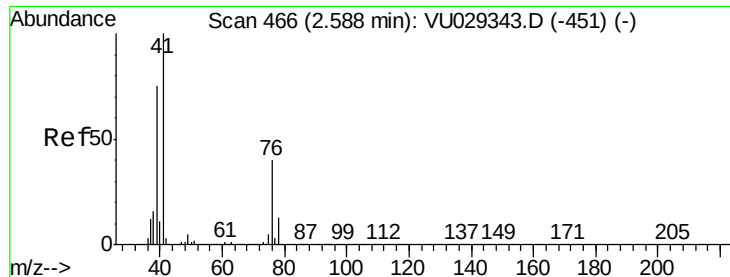
127 52.6 47.6 71.4



Abundance Ion 142.00 (141.70 to 142.70): VU029343.D (-397) (-)

Ion 127.00 (126.70 to 127.70): VU029343.D (-397) (-)

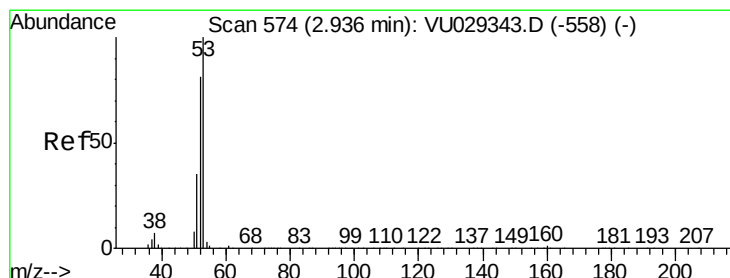
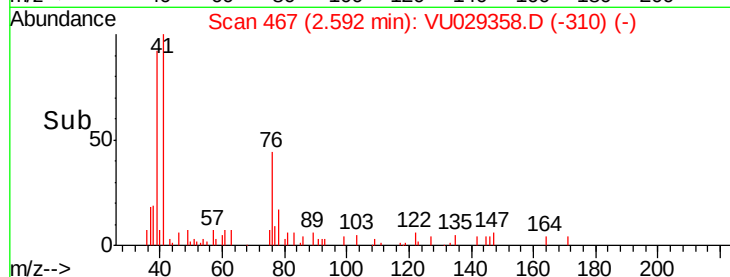
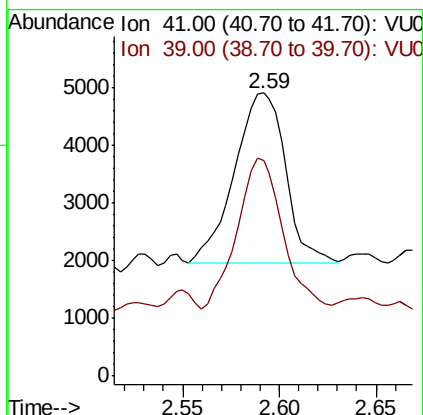
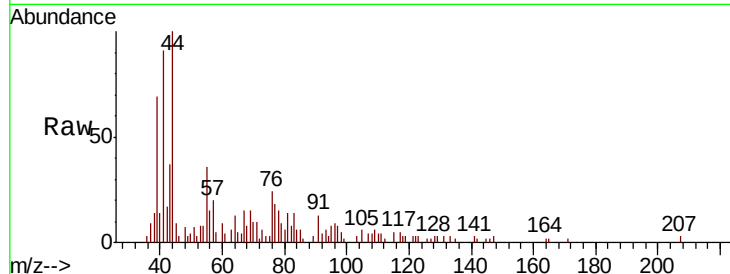




#11
 Allyl Chloride
 Concen: 0.225 ug/l
 RT: 2.59 min Scan# 467
 Delta R.T. 0.00 min
 Lab File: VU029358.D
 Acq: 06 Feb 2019 11:54

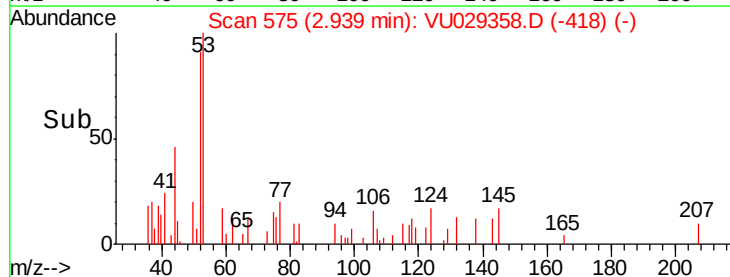
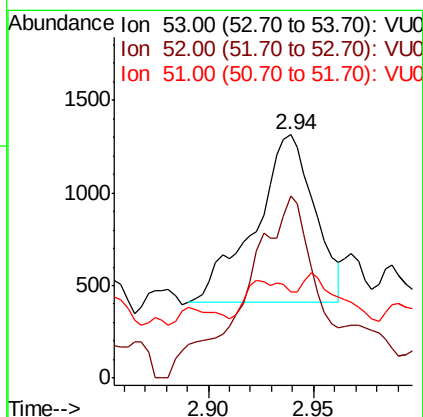
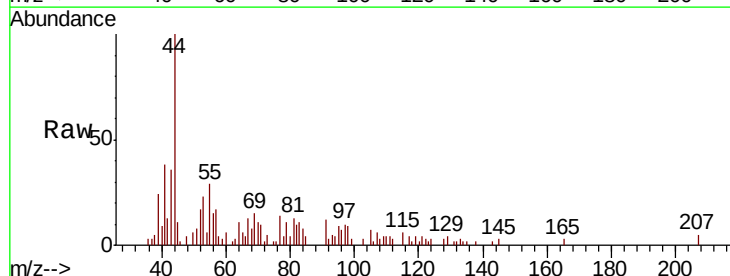
Instrument :
 MSVOA_U
 ClientSampled :
 MDL04

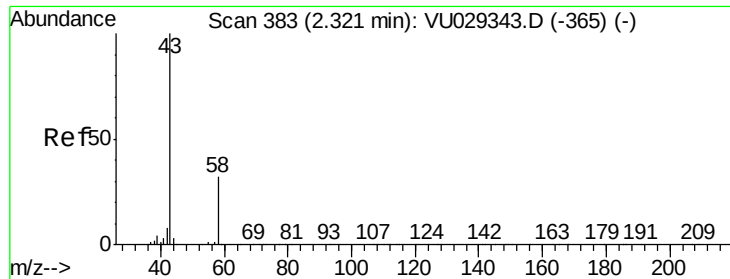
Tgt Ion: 41 Resp: 5441
 Ion Ratio Lower Upper
 41 100
 39 79.9 67.2 100.8



#12
 Acrylonitrile
 Concen: 0.555 ug/l
 RT: 2.94 min Scan# 575
 Delta R.T. 0.00 min
 Lab File: VU029358.D
 Acq: 06 Feb 2019 11:54

Tgt Ion: 53 Resp: 1793
 Ion Ratio Lower Upper
 53 100
 52 124.4 67.6 101.4#
 51 17.0 31.0 46.4#





#13

Acetone

Concen: 1.922 ug/l

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU029358.D

Acq: 06 Feb 2019 11:54

Instrument :

MSVOA_U

ClientSampleId :

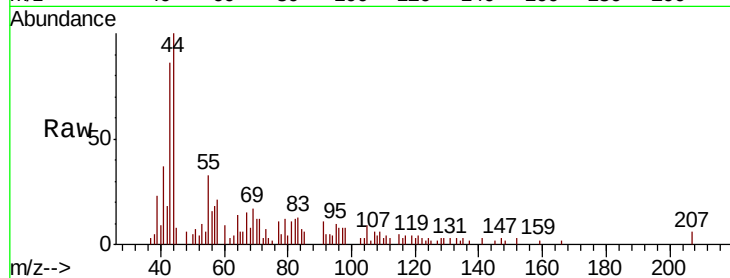
MDL04

Tgt Ion: 43 Resp: 5984

Ion Ratio Lower Upper

43 100

58 32.0 19.2 28.8#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

2.32

5000

4000

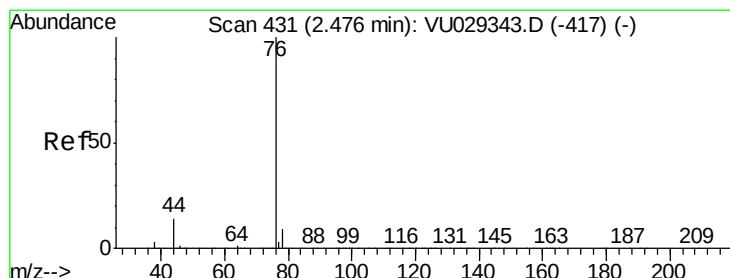
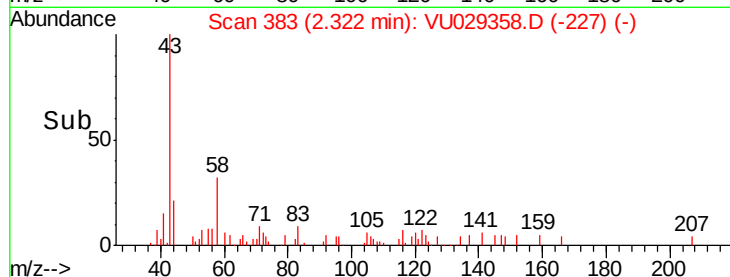
3000

2000

1000

0

Time--> 2.25 2.30 2.35



#14

Carbon Disulfide

Concen: 0.250 ug/l

RT: 2.48 min Scan# 431

Delta R.T. 0.00 min

Lab File: VU029358.D

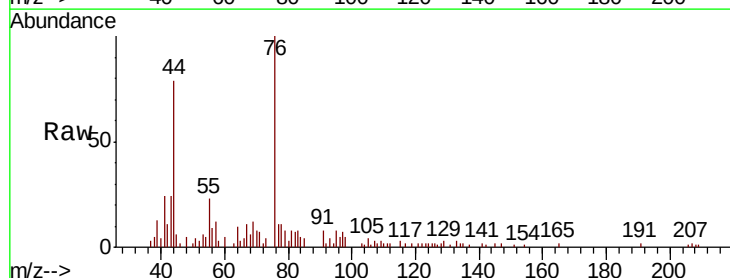
Acq: 06 Feb 2019 11:54

Tgt Ion: 76 Resp: 12726

Ion Ratio Lower Upper

76 100

78 6.9 7.1 10.7#



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0

2.48

8000

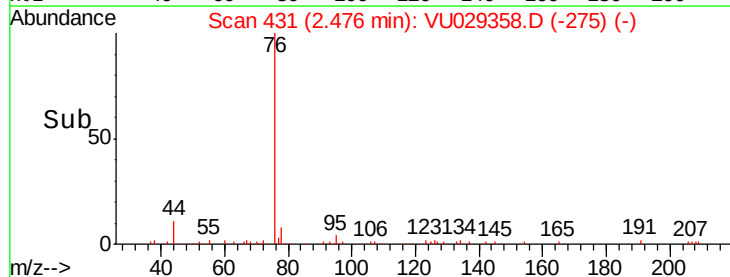
6000

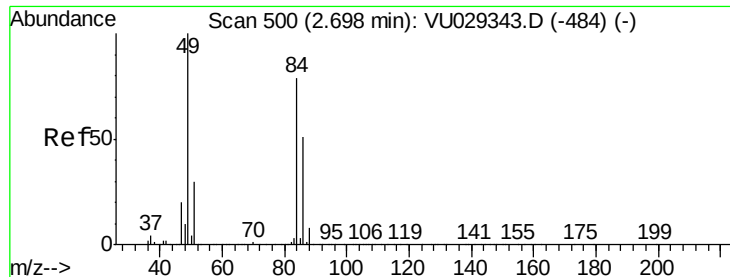
4000

2000

0

Time--> 2.40 2.45 2.50 2.55





#15

Methylene Chloride

Concen: 0.346 ug/l

RT: 2.70 min Scan# 500

Delta R.T. 0.00 min

Lab File: VU029358.D

Acq: 06 Feb 2019 11:54

Instrument :

MSVOA_U

ClientSampleId :

MDL04

Tgt Ion: 84 Resp: 6044

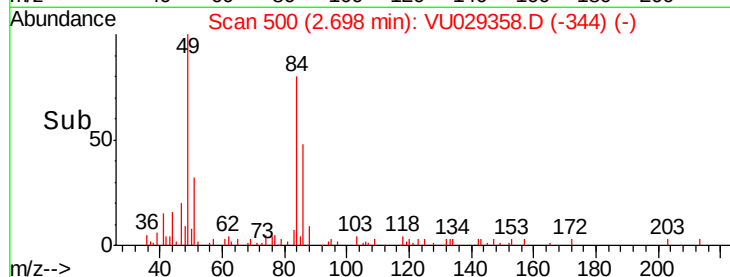
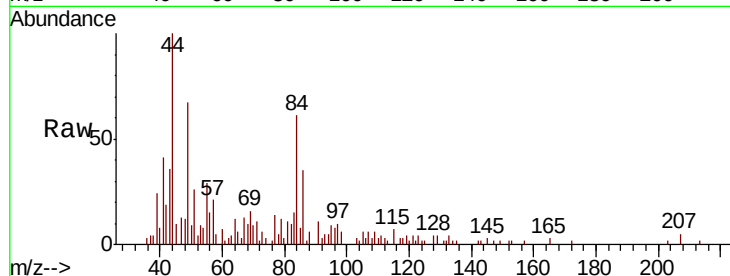
Ion Ratio Lower Upper

84 100

49 120.9 127.0 190.6#

51 38.6 0.0 93.4

86 62.1 50.6 75.8

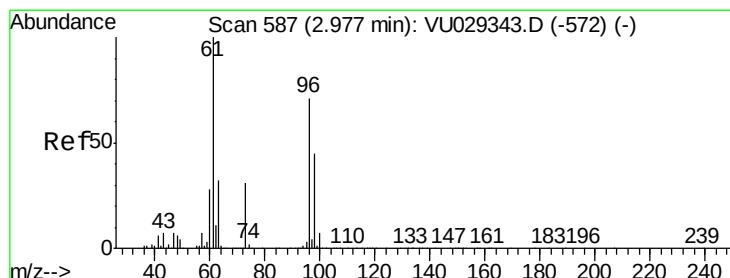
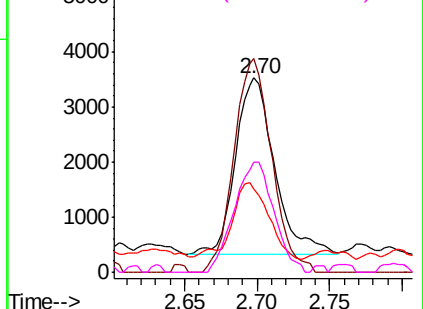


Abundance Ion 84.00 (83.70 to 84.70): VU0

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: 0.252 ug/l

RT: 2.98 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU029358.D

Acq: 06 Feb 2019 11:54

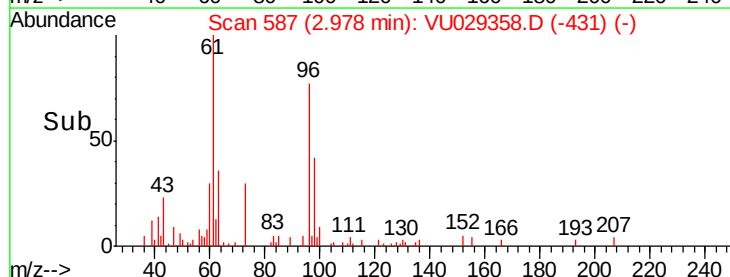
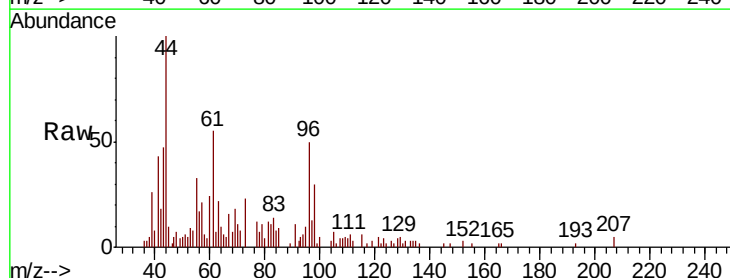
Tgt Ion: 96 Resp: 4055

Ion Ratio Lower Upper

96 100

61 129.1 140.6 210.8#

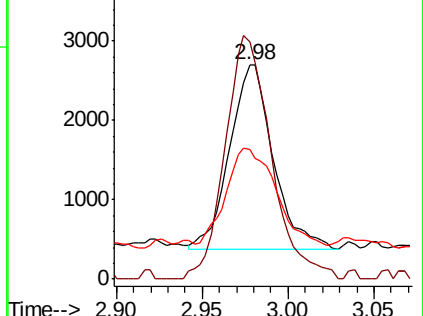
98 49.6 49.3 73.9

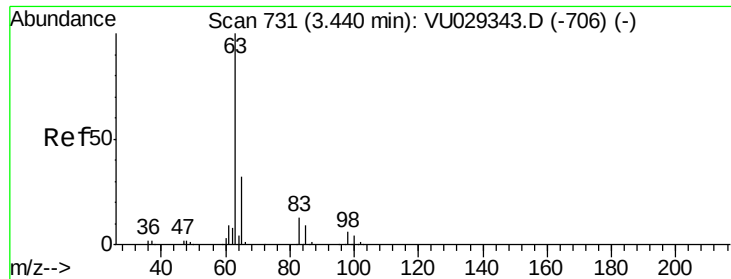


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

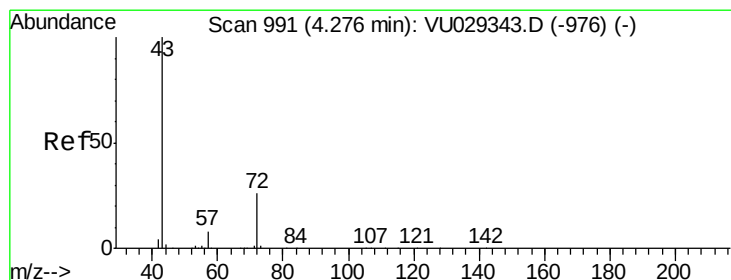
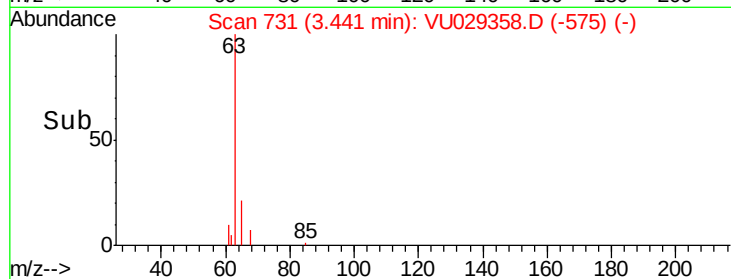
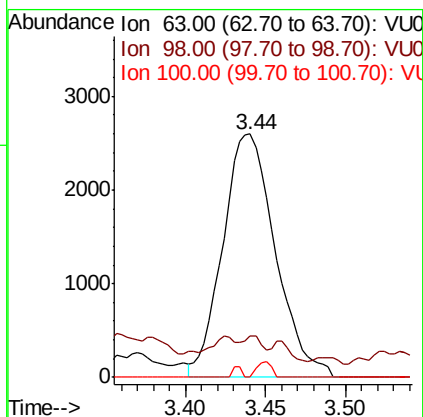
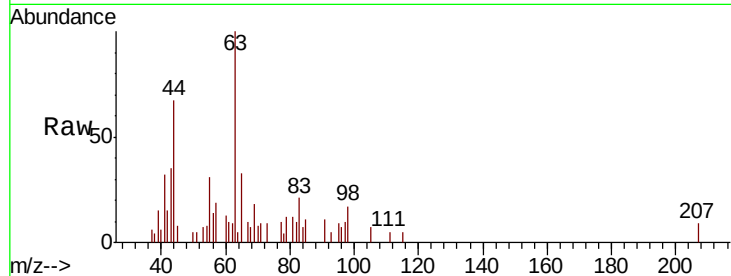




#17
 1,1-Dichloroethane
 Concen: 0.229 ug/l
 RT: 3.44 min Scan# 731
 Delta R.T. 0.00 min
 Lab File: VU029358.D
 Acq: 06 Feb 2019 11:54

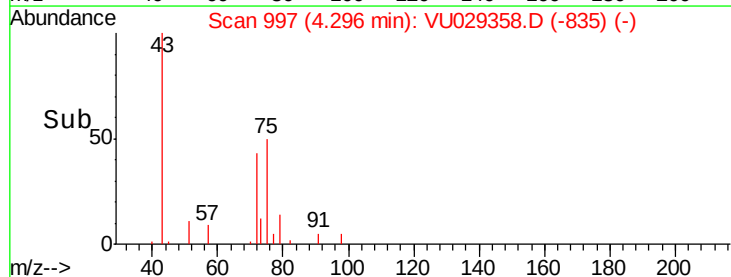
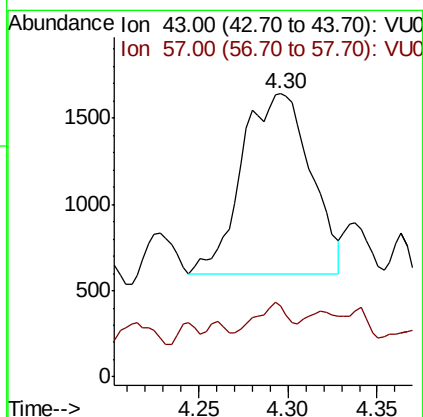
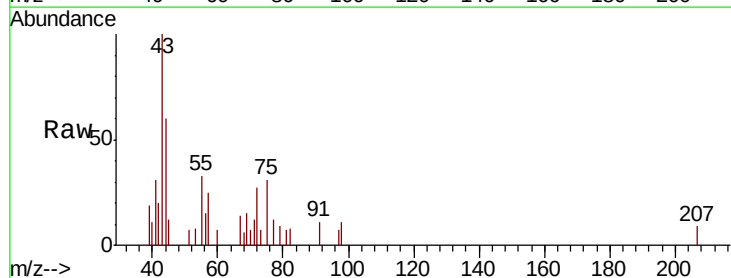
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL04

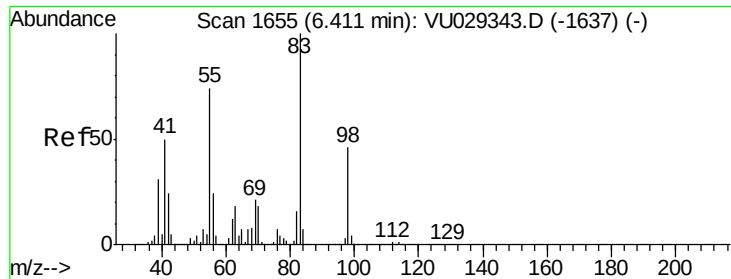
Tgt Ion	Ratio	Lower	Upper
63	100		
98	9.9	2.9	8.8#
100	0.0	1.7	5.1#



#18
 2-Butanone
 Concen: 0.806 ug/l
 RT: 4.30 min Scan# 997
 Delta R.T. 0.02 min
 Lab File: VU029358.D
 Acq: 06 Feb 2019 11:54

Tgt Ion	Ratio	Lower	Upper
43	100		
57	9.1	0.0	15.8

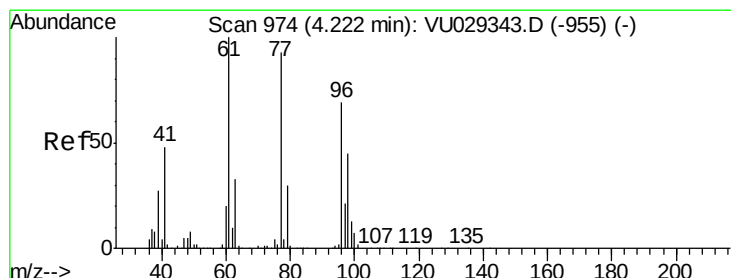
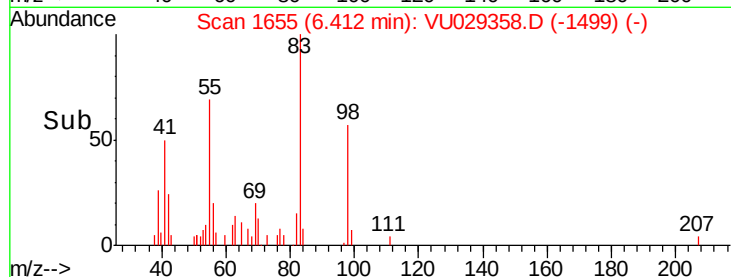
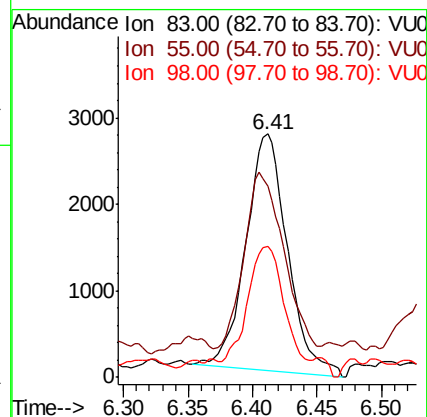
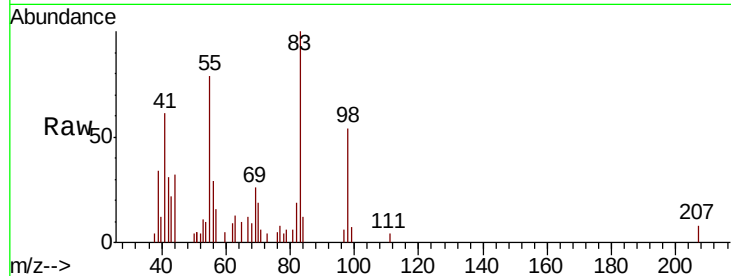




#20
Methylcyclohexane
Concen: 0.248 ug/l
RT: 6.41 min Scan# 1655
Delta R.T. 0.00 min
Lab File: VU029358.D
Acq: 06 Feb 2019 11:54

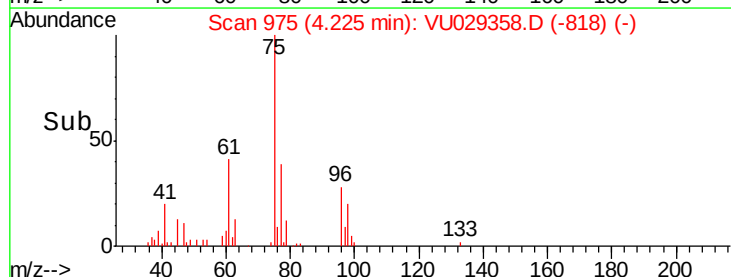
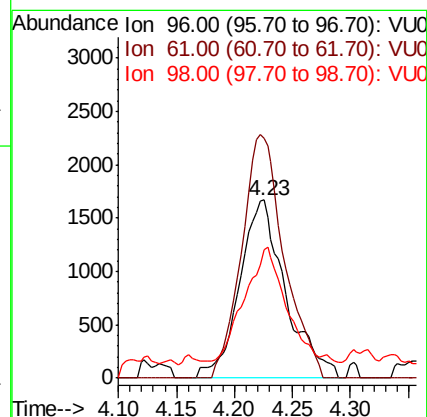
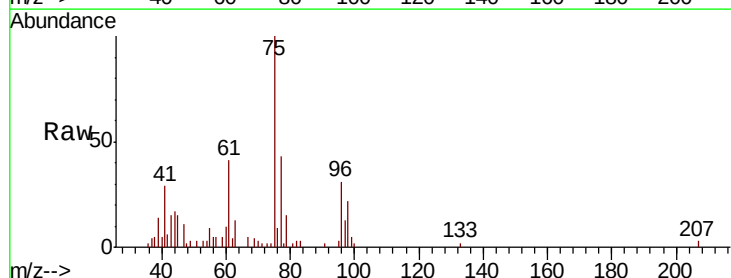
Instrument :
MSVOA_U
ClientSampled :
MDL04

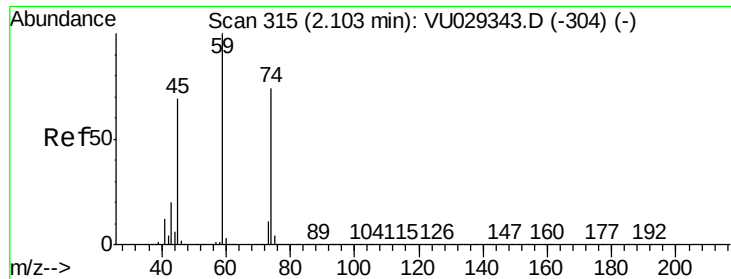
Tgt Ion: 83 Resp: 6166
Ion Ratio Lower Upper
83 100
55 68.7 72.4 108.6#
98 39.6 36.6 54.8



#22
cis-1,2-Dichloroethene
Concen: 0.303 ug/l
RT: 4.23 min Scan# 975
Delta R.T. 0.00 min
Lab File: VU029358.D
Acq: 06 Feb 2019 11:54

Tgt Ion: 96 Resp: 4594
Ion Ratio Lower Upper
96 100
61 126.8 0.0 460.0
98 59.4 32.6 97.7

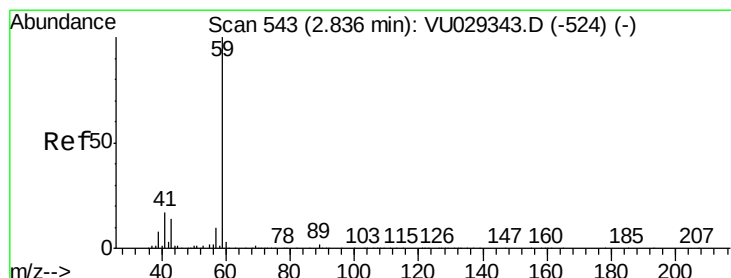
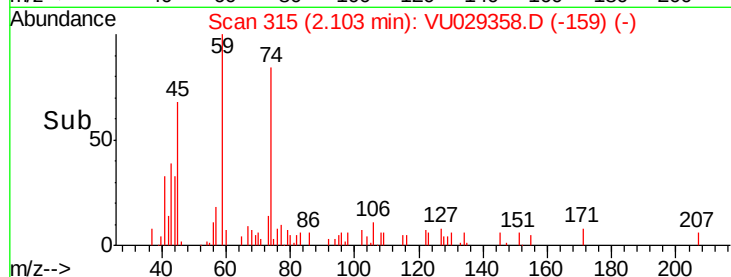
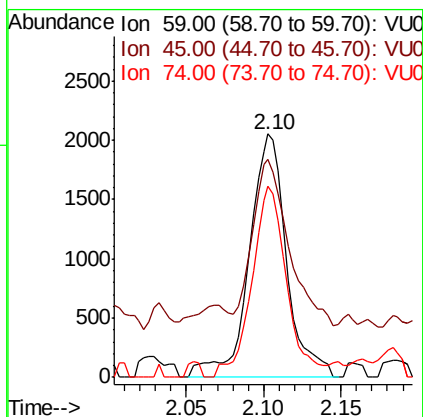
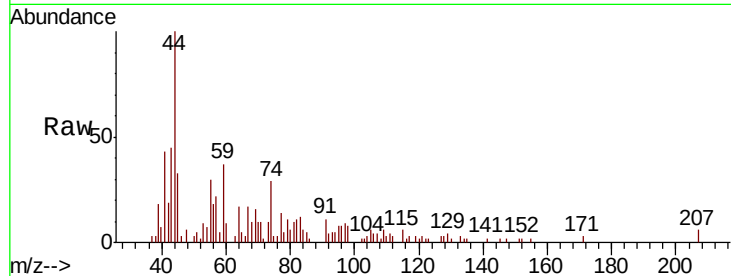




#23
Diethyl Ether
Concen: 0.299 ug/l
RT: 2.10 min Scan# 315
Delta R.T. 0.00 min
Lab File: VU029358.D
Acq: 06 Feb 2019 11:54

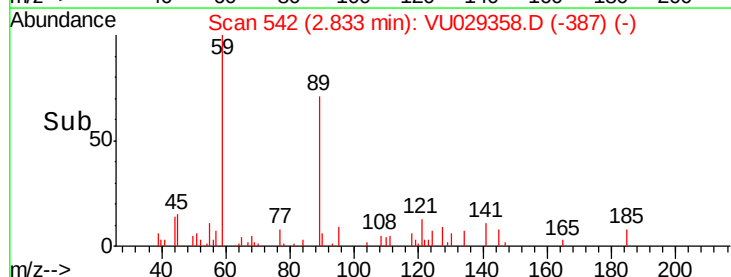
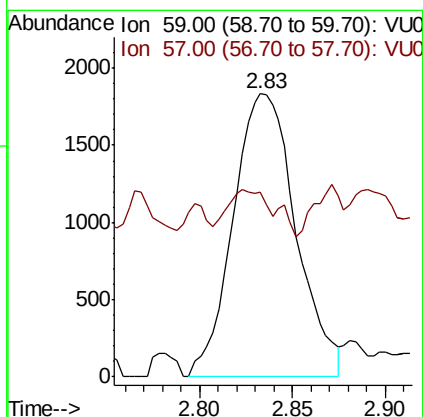
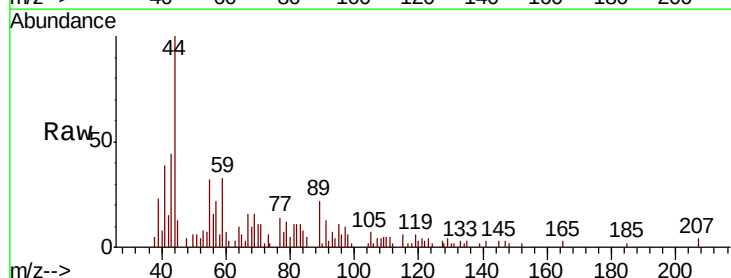
Instrument :
MSVOA_U
ClientSampled :
MDL04

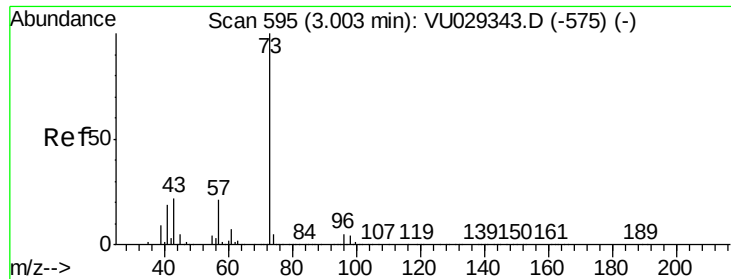
Tgt Ion: 59 Resp: 3462
Ion Ratio Lower Upper
59 100
45 66.0 64.2 96.4
74 72.7 55.3 82.9



#24
tert-Butyl Alcohol
Concen: 3.595 ug/l
RT: 2.83 min Scan# 542
Delta R.T. -0.00 min
Lab File: VU029358.D
Acq: 06 Feb 2019 11:54

Tgt Ion: 59 Resp: 4325
Ion Ratio Lower Upper
59 100
57 7.3 8.8 13.2#





#25

Methyl tert-Butyl Ether

Concen: 0.238 ug/l

RT: 3.00 min Scan# 594

Delta R.T. -0.00 min

Lab File: VU029358.D

Acq: 06 Feb 2019 11:54

Instrument :

MSVOA_U

ClientSampleId :

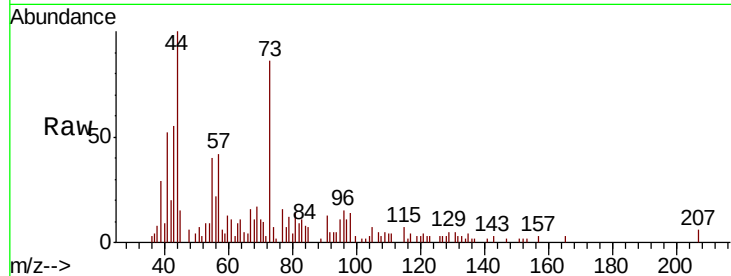
MDL04

Tgt Ion: 73 Resp: 9675

Ion Ratio Lower Upper

73 100

43 6.0 22.1 33.1#



Abundance Ion 73.00 (72.70 to 73.70): VU029343.D (-575) (-)

Ion 43.00 (42.70 to 43.70): VU029343.D (-575) (-)

3.00

4000

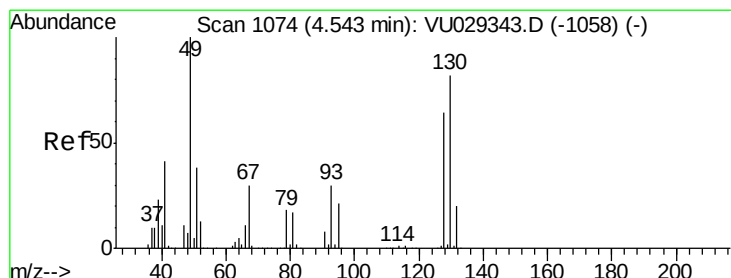
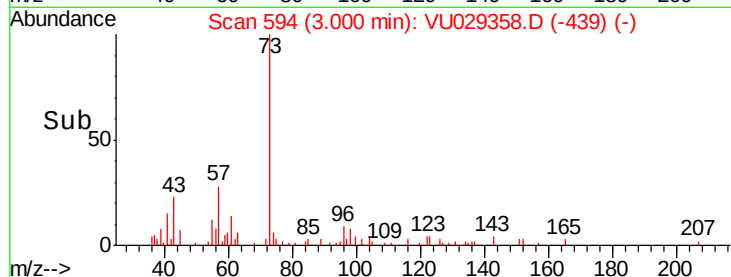
3000

2000

1000

0

Time--> 2.90 2.95 3.00 3.05 3.10



#26

Bromochloromethane

Concen: 0.232 ug/l

RT: 4.55 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VU029358.D

Acq: 06 Feb 2019 11:54

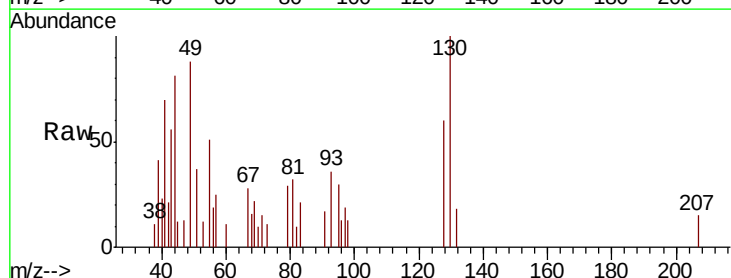
Tgt Ion: 128 Resp: 1557

Ion Ratio Lower Upper

128 100

49 145.8 0.0 401.6

130 137.4 108.0 162.0



Abundance Ion 128.00 (127.70 to 128.70): VU029343.D (-1058) (-)

Ion 49.00 (48.70 to 49.70): VU029343.D (-1058) (-)

Ion 130.00 (129.70 to 130.70): VU029343.D (-1058) (-)

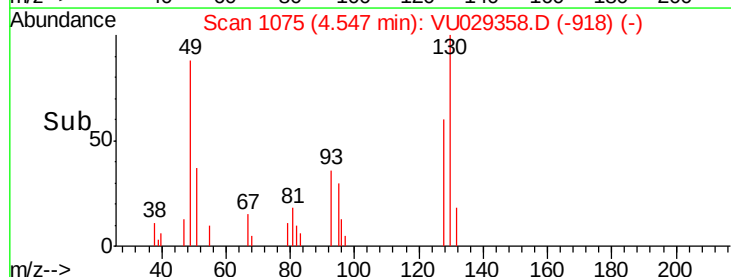
4.55

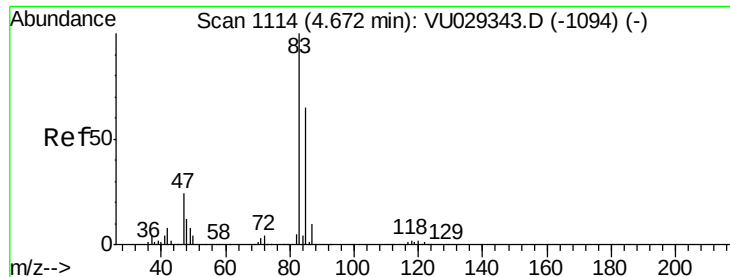
1000

500

0

Time--> 4.50 4.55 4.60





#27

Chloroform

Concen: 0.262 ug/l

RT: 4.67 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VU029358.D

Acq: 06 Feb 2019 11:54

Instrument :

MSVOA_U

ClientSampled :

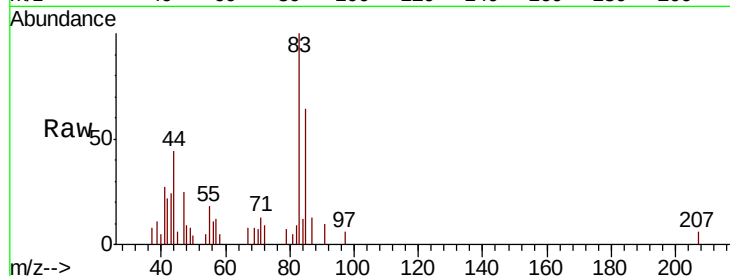
MDL04

Tgt Ion: 83 Resp: 6498

Ion Ratio Lower Upper

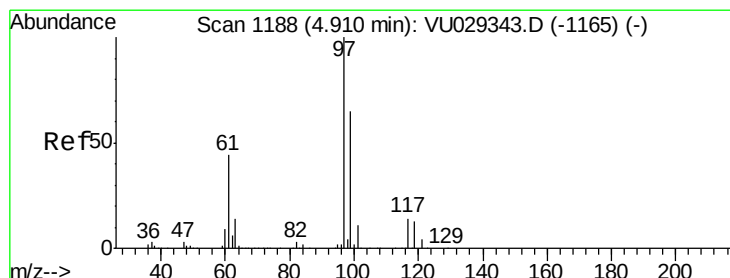
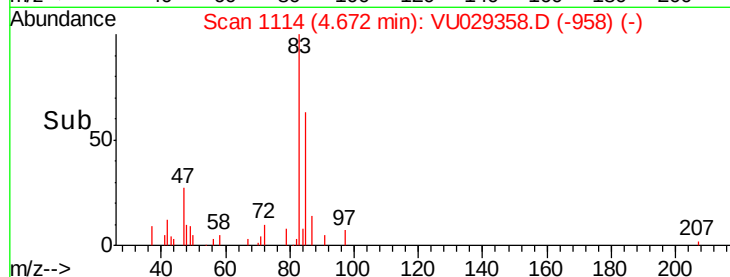
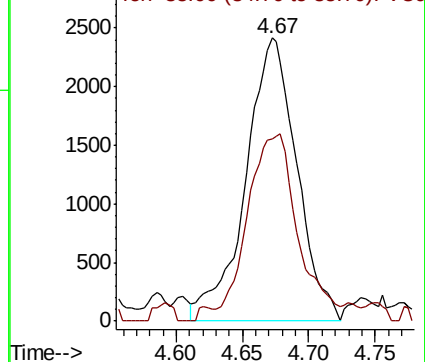
83 100

85 64.4 0.0 126.6



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#28

1,1,1-Trichloroethane

Concen: 0.263 ug/l

RT: 4.91 min Scan# 1187

Delta R.T. -0.00 min

Lab File: VU029358.D

Acq: 06 Feb 2019 11:54

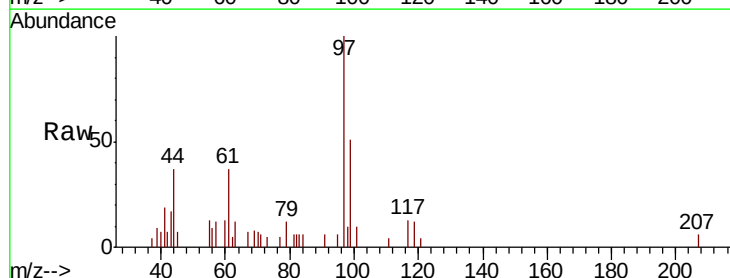
Tgt Ion: 97 Resp: 6044

Ion Ratio Lower Upper

97 100

99 55.7 32.4 97.2

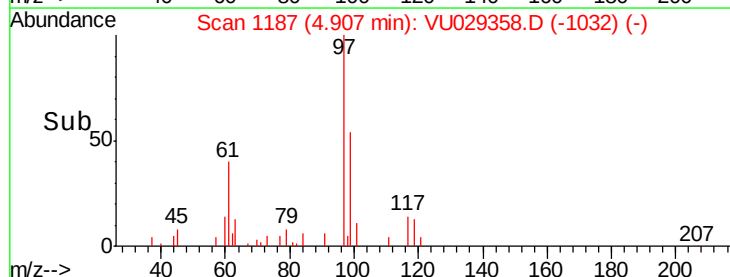
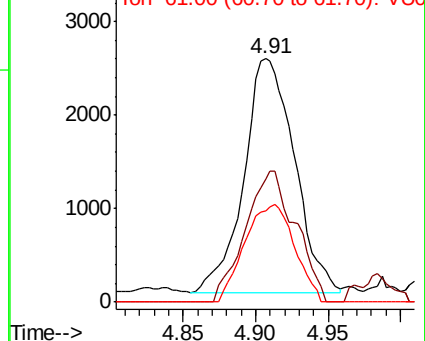
61 41.2 24.4 73.2

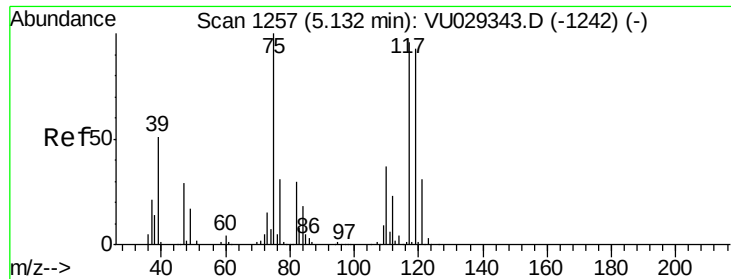


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

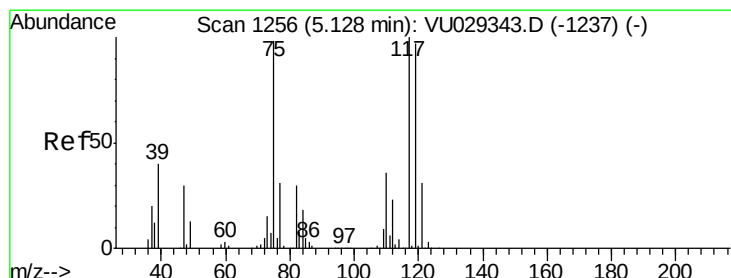
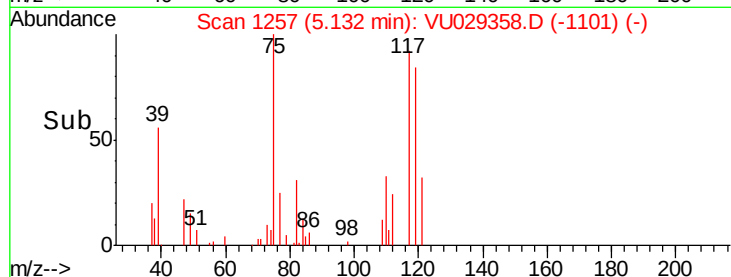
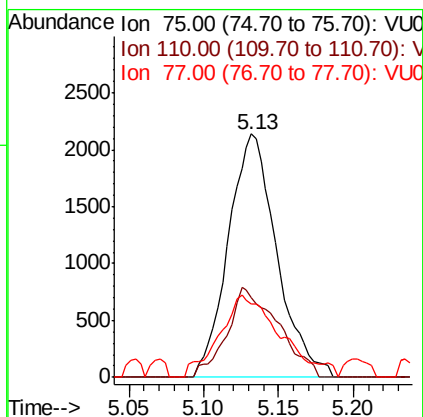
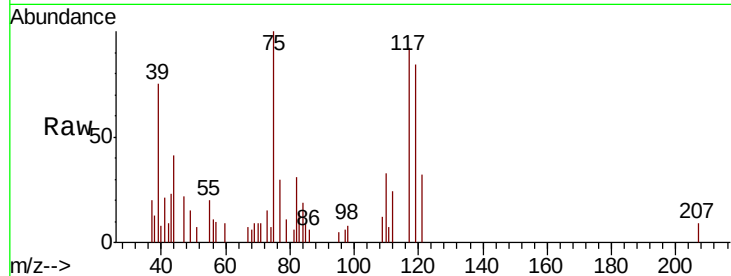




#29
 1,1-Dichloropropene
 Concen: 0.241 ug/l
 RT: 5.13 min Scan# 1257
 Delta R.T. 0.00 min
 Lab File: VU029358.D
 Acq: 06 Feb 2019 11:54

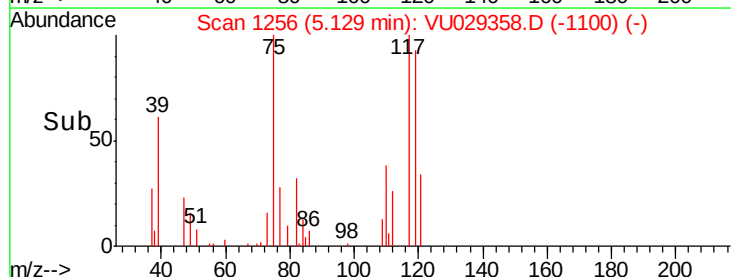
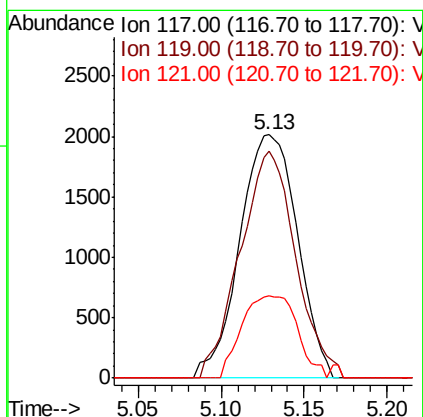
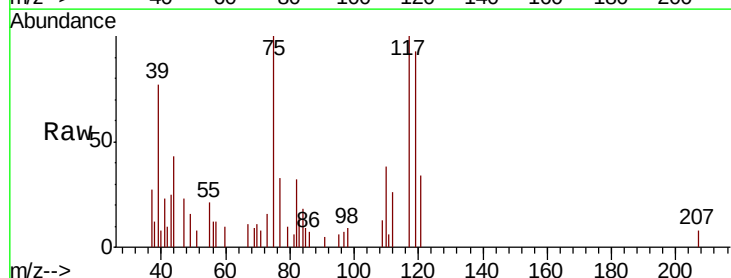
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL04

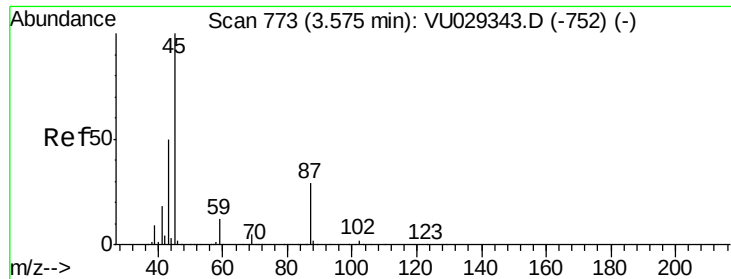
Tgt Ion: 75 Resp: 4820
 Ion Ratio Lower Upper
 75 100
 110 38.9 15.4 46.2
 77 41.2 24.1 36.1#



#30
 Carbon Tetrachloride
 Concen: 0.234 ug/l
 RT: 5.13 min Scan# 1256
 Delta R.T. 0.00 min
 Lab File: VU029358.D
 Acq: 06 Feb 2019 11:54

Tgt Ion: 117 Resp: 4872
 Ion Ratio Lower Upper
 117 100
 119 93.1 76.8 115.2
 121 34.0 24.4 36.6





#31

Isopropyl Ether

Concen: 0.226 ug/l

RT: 3.58 min Scan# 773

Delta R.T. 0.00 min

Lab File: VU029358.D

Acq: 06 Feb 2019 11:54

Instrument :

MSVOA_U

ClientSampleId :

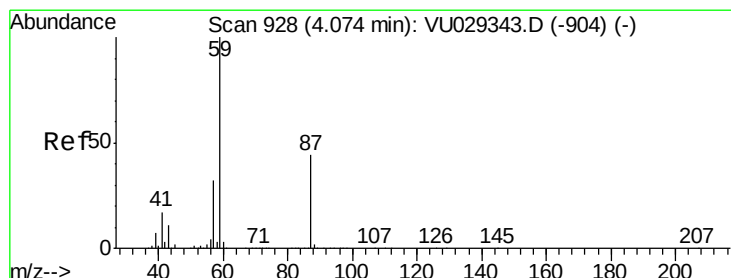
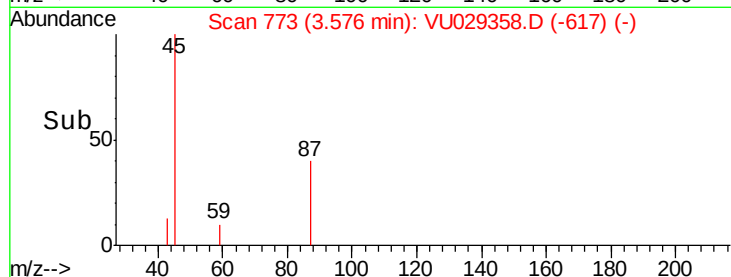
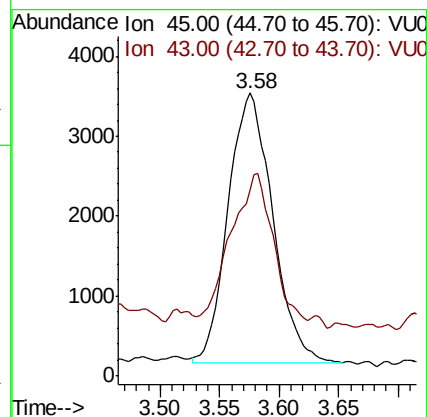
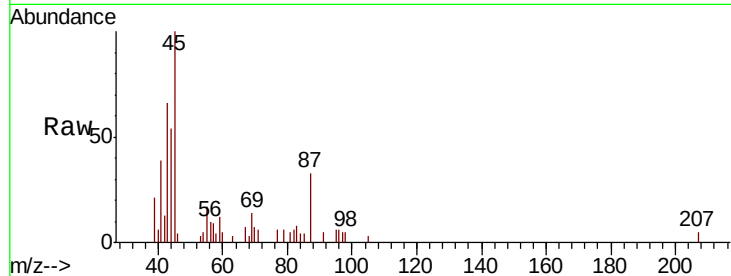
MDL04

Tgt Ion: 45 Resp: 8717

Ion Ratio Lower Upper

45 100

43 50.7 28.4 85.3



#32

Ethyl-t-butyl ether

Concen: 0.247 ug/l

RT: 4.07 min Scan# 928

Delta R.T. 0.00 min

Lab File: VU029358.D

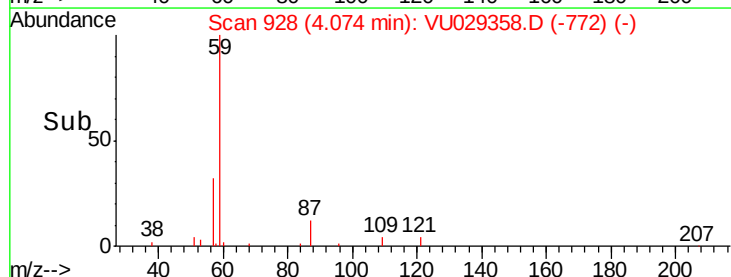
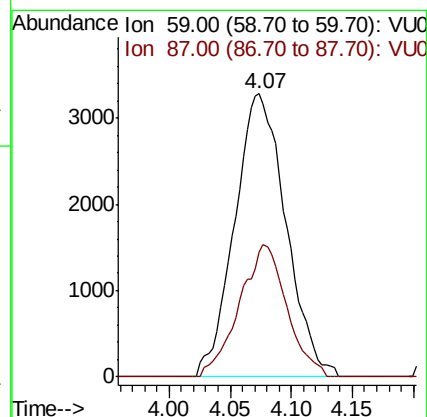
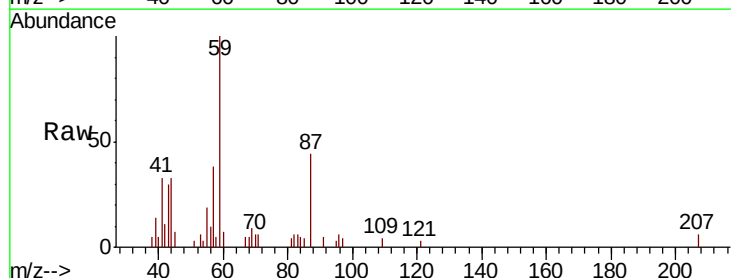
Acq: 06 Feb 2019 11:54

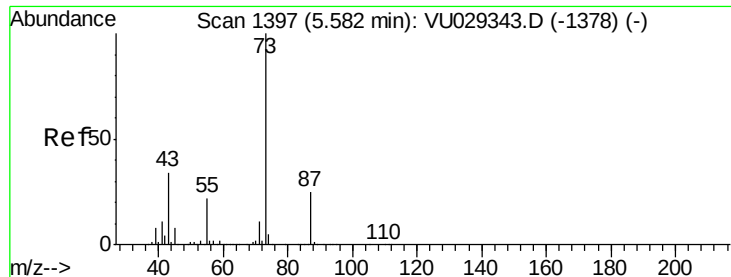
Tgt Ion: 59 Resp: 9555

Ion Ratio Lower Upper

59 100

87 43.1 31.1 46.7



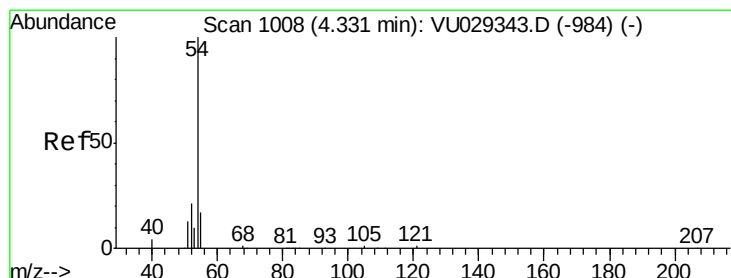
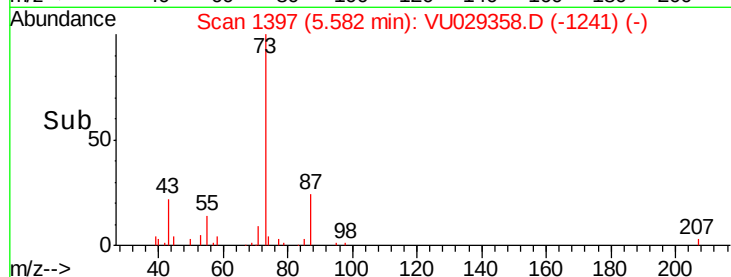
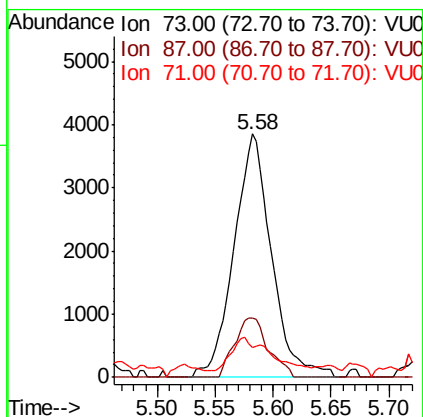
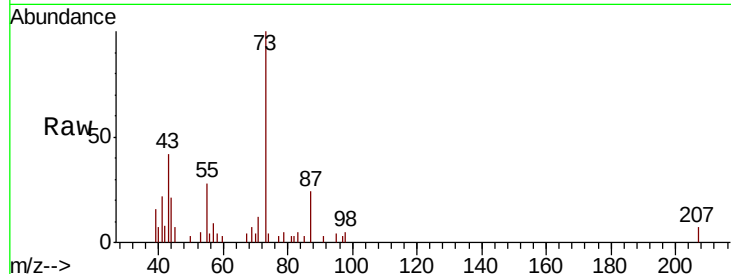


#33

Tert-Amyl methyl ether
 Concen: 0.248 ug/l
 RT: 5.58 min Scan# 1397
 Delta R.T. 0.00 min
 Lab File: VU029358.D
 Acq: 06 Feb 2019 11:54

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL04

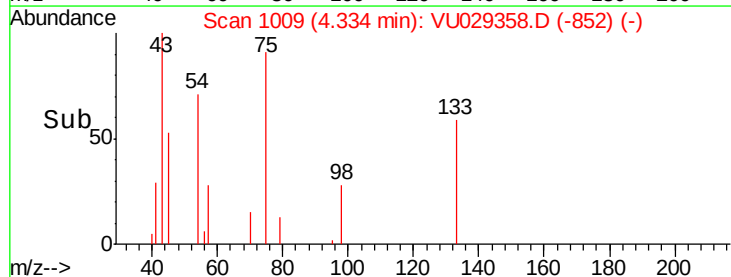
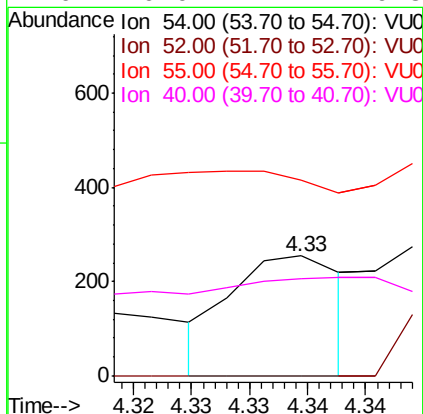
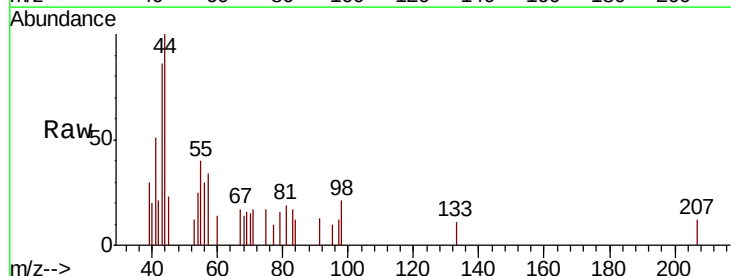
Tgt Ion: 73 Resp: 8671
 Ion Ratio Lower Upper
 73 100
 87 21.8 19.4 29.0
 71 7.6 9.0 13.4#

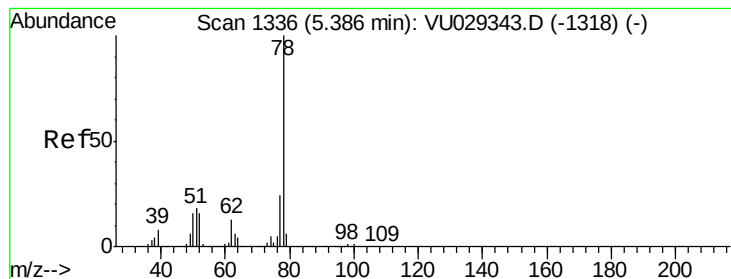


#34

Propionitrile
 Concen: 0.186 ug/l
 RT: 4.33 min Scan# 1009
 Delta R.T. 0.00 min
 Lab File: VU029358.D
 Acq: 06 Feb 2019 11:54

Tgt Ion: 54 Resp: 170
 Ion Ratio Lower Upper
 54 100
 52 0.0 18.9 28.3#
 55 22.4 15.1 22.7
 40 0.0 7.2 10.8#





#35

Benzene

Concen: 0.238 ug/l

RT: 5.39 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU029358.D

Acq: 06 Feb 2019 11:54

Instrument :

MSVOA_U

ClientSampleId :

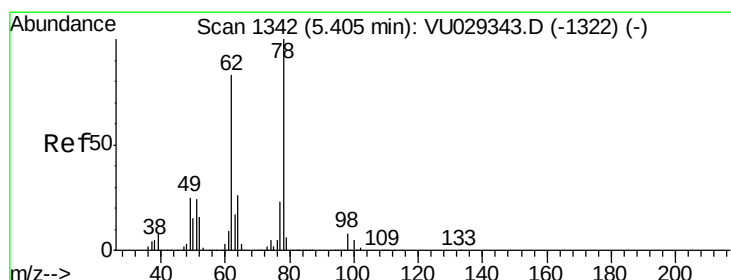
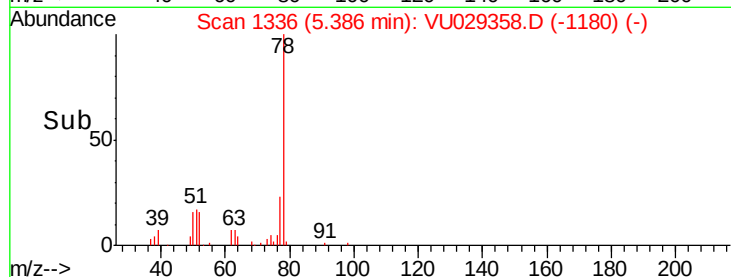
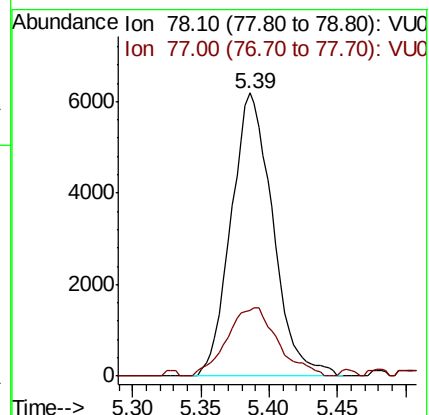
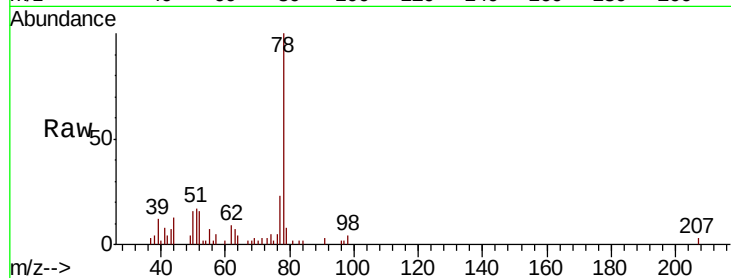
MDL04

Tgt Ion: 78 Resp: 13140

Ion Ratio Lower Upper

78 100

77 23.2 19.8 29.8



#36

1,2-Dichloroethane

Concen: 0.207 ug/l

RT: 5.41 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VU029358.D

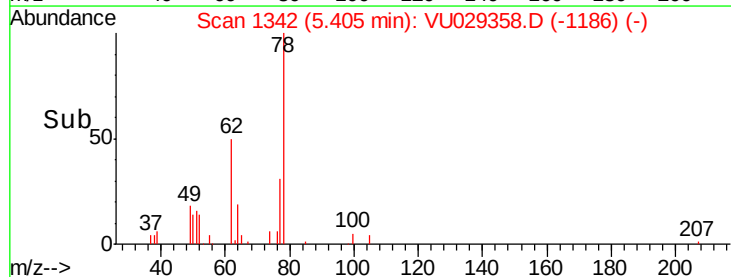
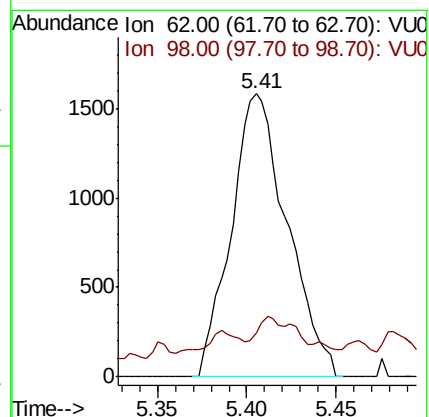
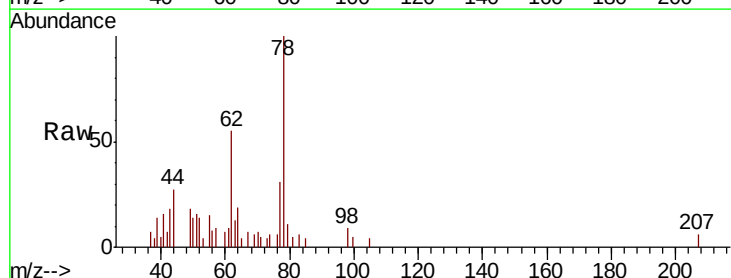
Acq: 06 Feb 2019 11:54

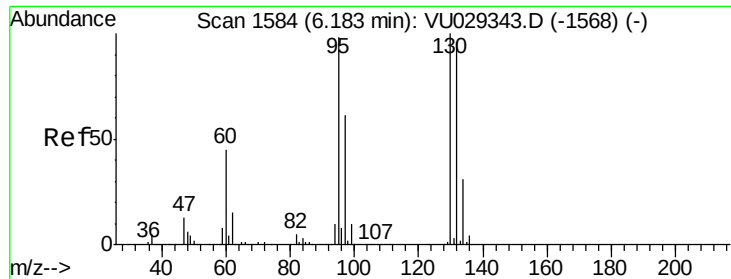
Tgt Ion: 62 Resp: 3460

Ion Ratio Lower Upper

62 100

98 6.5 4.9 7.3





#37

Trichloroethene

Concen: 0.235 ug/l

RT: 6.18 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VU029358.D

Acq: 06 Feb 2019 11:54

Instrument :

MSVOA_U

ClientSampled :

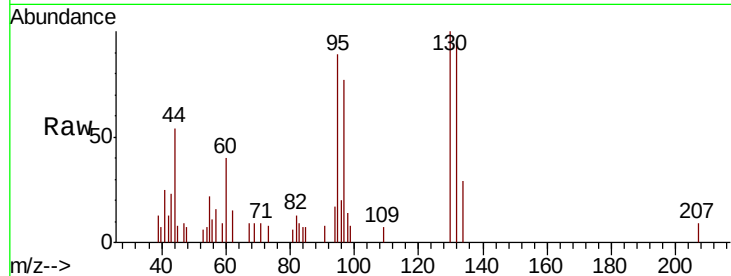
MDL04

Tgt Ion:130 Resp: 3725

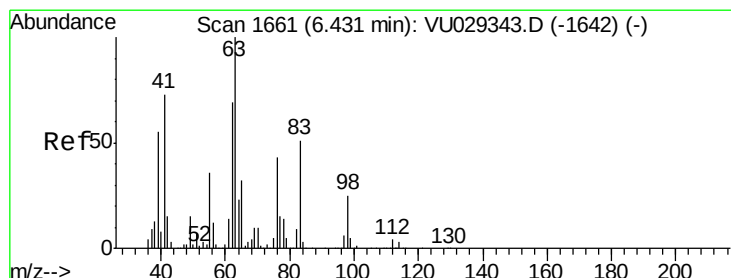
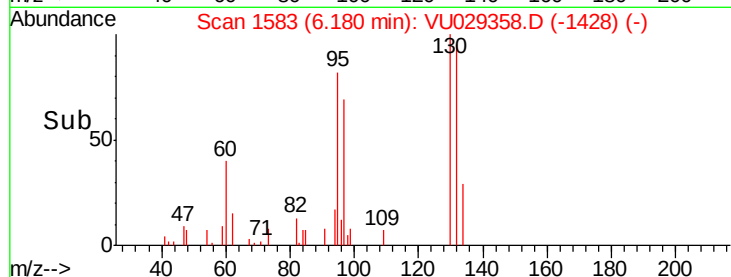
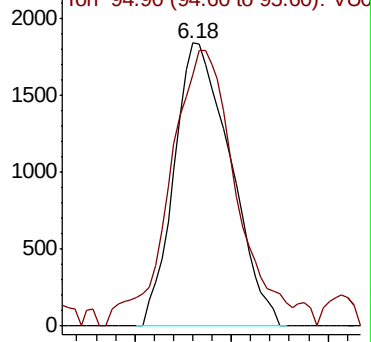
Ion Ratio Lower Upper

130 100

95 80.7 85.4 128.0#



Abundance Ion 129.90 (129.60 to 130.60): VU029343.D (-1568) (-)



#38

1,2-Dichloropropane

Concen: 0.241 ug/l

RT: 6.43 min Scan# 1662

Delta R.T. 0.00 min

Lab File: VU029358.D

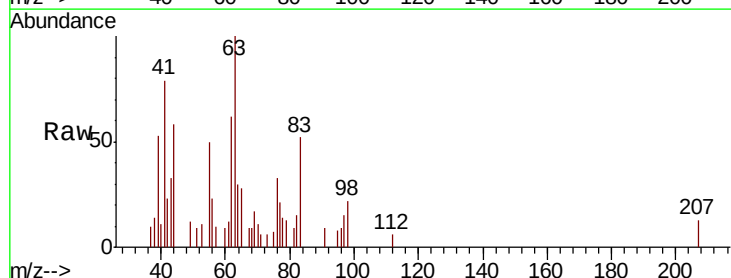
Acq: 06 Feb 2019 11:54

Tgt Ion: 63 Resp: 3463

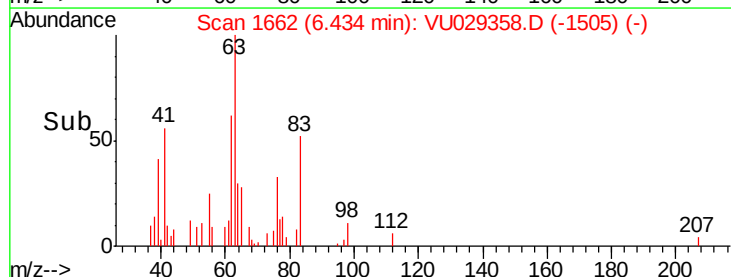
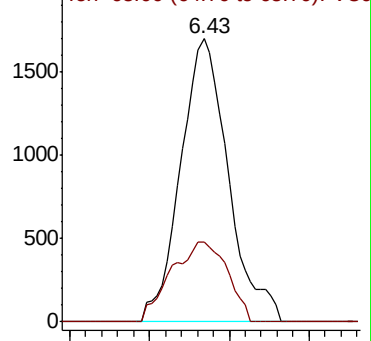
Ion Ratio Lower Upper

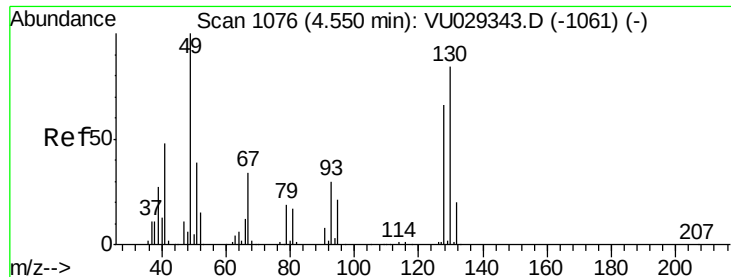
63 100

65 28.2 25.5 38.3



Abundance Ion 63.00 (62.70 to 63.70): VU029343.D (-1642) (-)

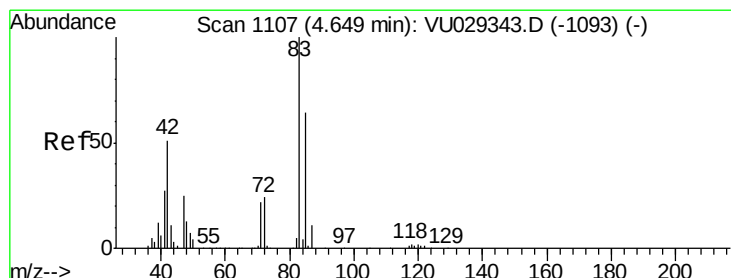
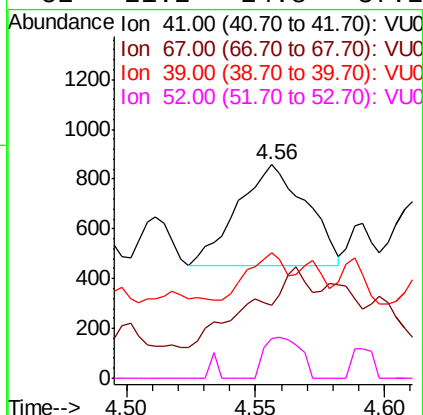
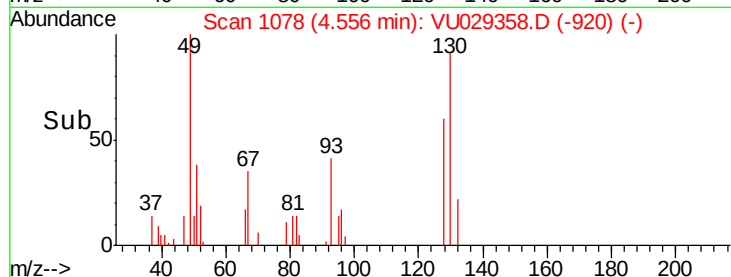
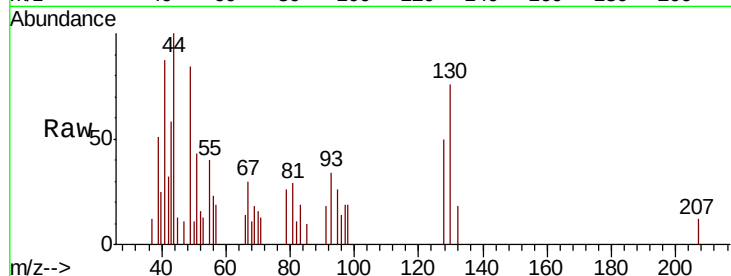




#39
Methacrylonitrile
Concen: 0.163 ug/l
RT: 4.56 min Scan# 1078
Delta R.T. 0.01 min
Lab File: VU029358.D
Acq: 06 Feb 2019 11:54

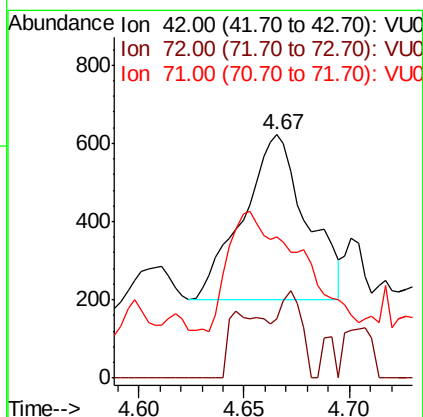
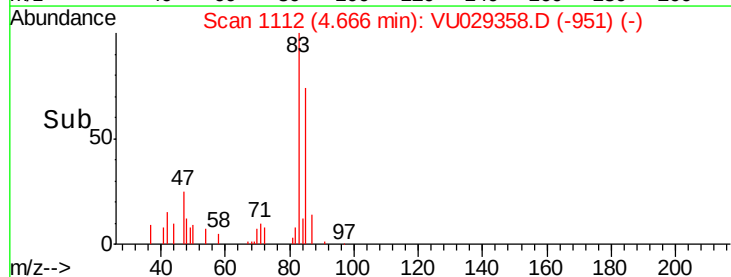
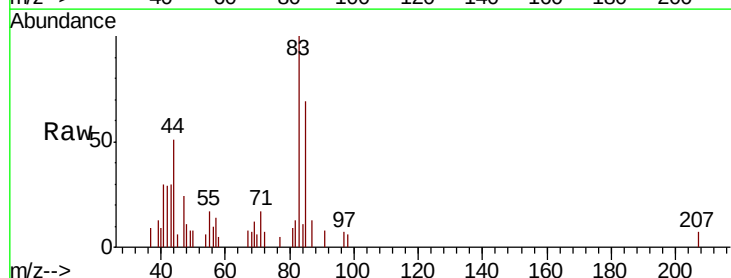
Instrument :
MSVOA_U
ClientSampleId :
MDL04

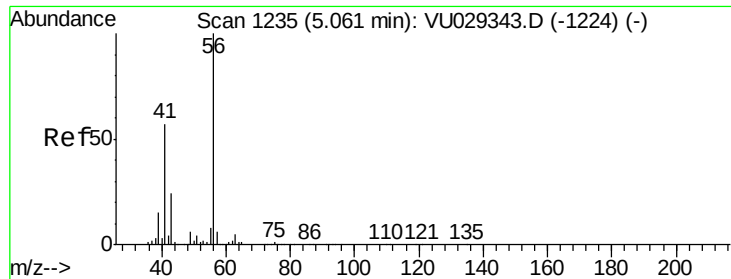
Tgt Ion: 41 Resp: 764
Ion Ratio Lower Upper
41 100
67 11.6 50.1 75.1#
39 24.3 47.9 71.9#
52 21.2 24.8 37.2#



#41
Tetrahydrofuran
Concen: 0.372 ug/l
RT: 4.67 min Scan# 1112
Delta R.T. 0.02 min
Lab File: VU029358.D
Acq: 06 Feb 2019 11:54

Tgt Ion: 42 Resp: 878
Ion Ratio Lower Upper
42 100
72 19.5 33.1 49.7#
71 0.0 30.2 45.2#

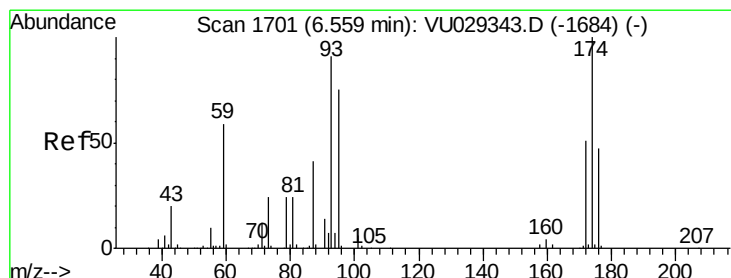
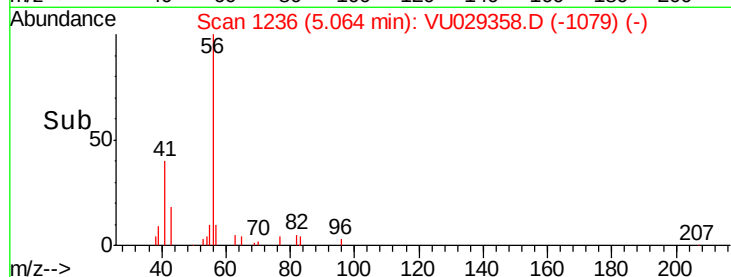
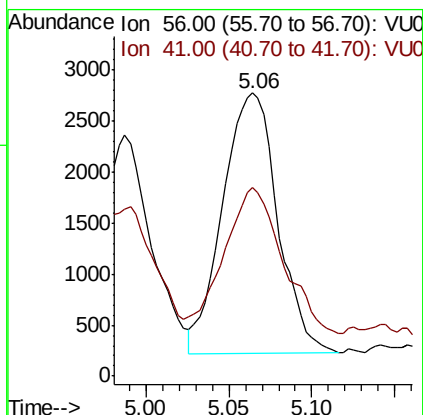
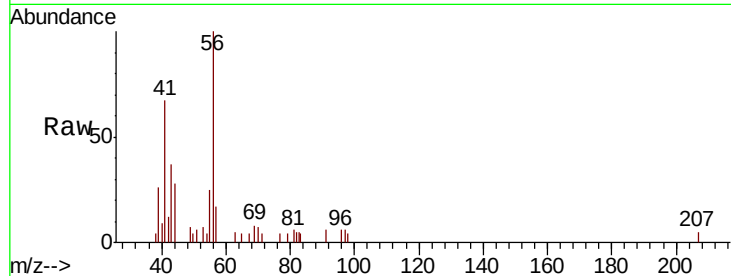




#42
1-Chlorobutane
Concen: 0.218 ug/l
RT: 5.06 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VU029358.D
Acq: 06 Feb 2019 11:54

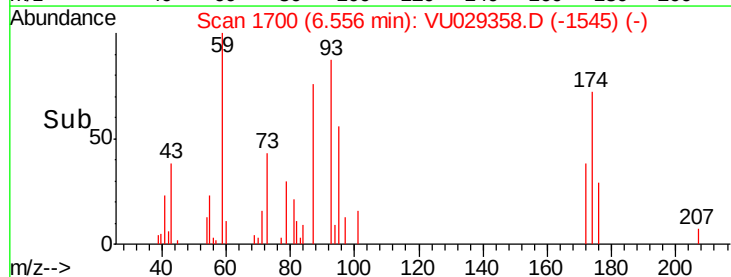
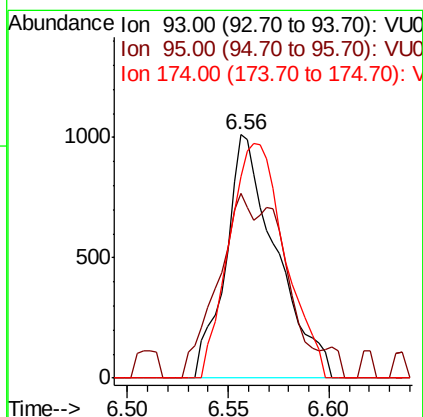
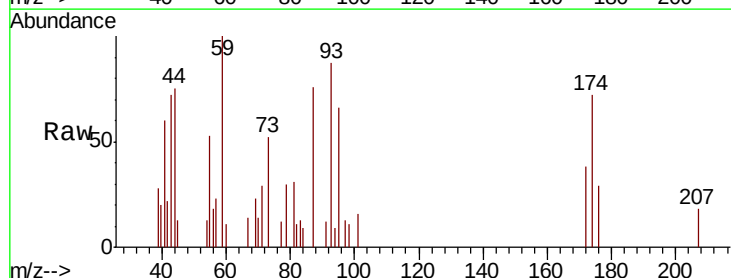
Instrument :
MSVOA_U
ClientSampled :
MDL04

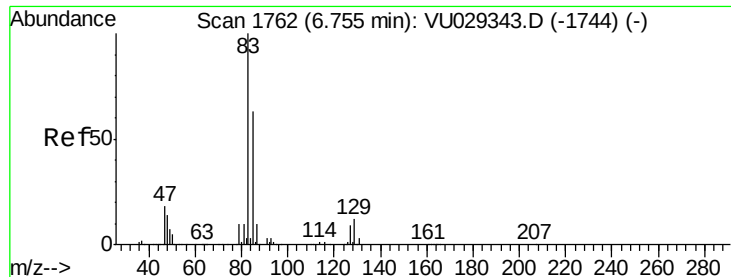
Tgt Ion: 56 Resp: 5849
Ion Ratio Lower Upper
56 100
41 59.0 31.3 93.8



#43
Dibromomethane
Concen: 0.231 ug/l
RT: 6.56 min Scan# 1700
Delta R.T. -0.00 min
Lab File: VU029358.D
Acq: 06 Feb 2019 11:54

Tgt Ion: 93 Resp: 1771
Ion Ratio Lower Upper
93 100
95 53.8 68.2 102.2#
174 106.6 77.6 116.4





#44

Bromodichloromethane

Concen: 0.237 ug/l

RT: 6.76 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VU029358.D

Acq: 06 Feb 2019 11:54

Instrument :

MSVOA_U

ClientSampleId :

MDL04

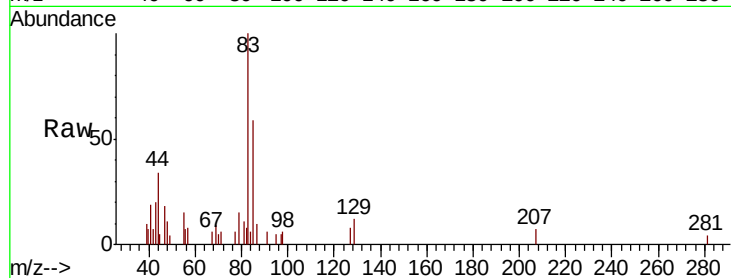
Tgt Ion: 83 Resp: 4624

Ion Ratio Lower Upper

83 100

85 57.8 49.2 73.8

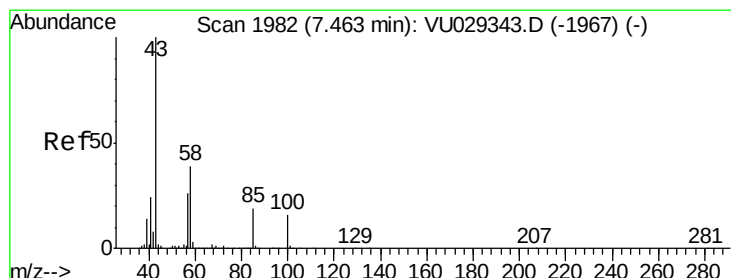
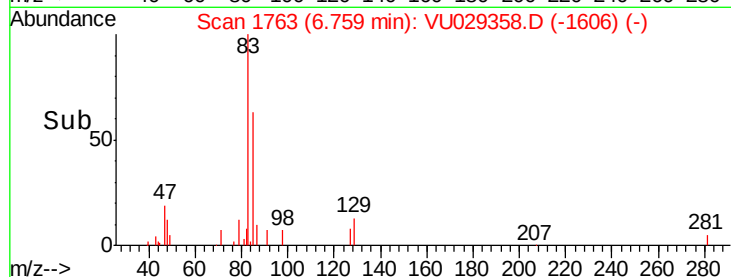
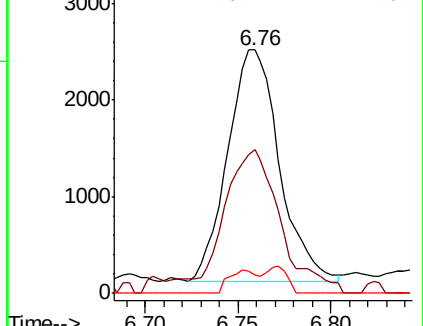
127 8.2 7.0 10.6



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 127.00 (126.70 to 127.70): V



#45

4-Methyl-2-Pentanone

Concen: 1.040 ug/l

RT: 7.47 min Scan# 1984

Delta R.T. 0.01 min

Lab File: VU029358.D

Acq: 06 Feb 2019 11:54

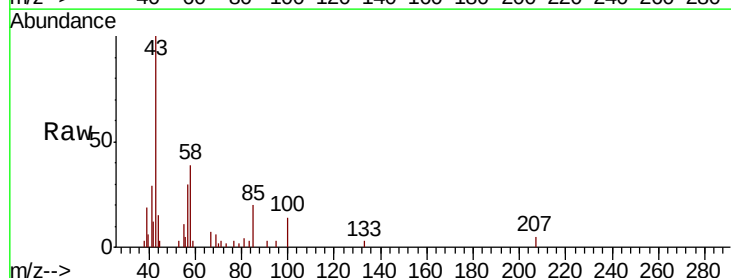
Tgt Ion: 43 Resp: 9339

Ion Ratio Lower Upper

43 100

58 42.4 17.6 52.8

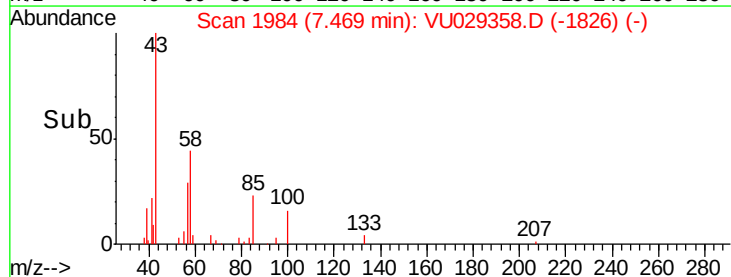
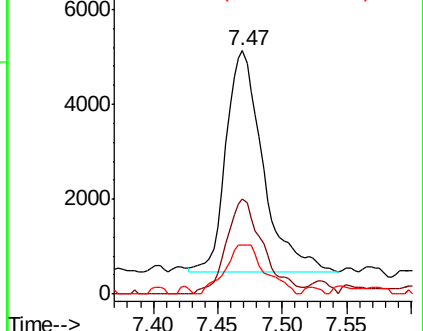
85 23.7 12.3 18.5#

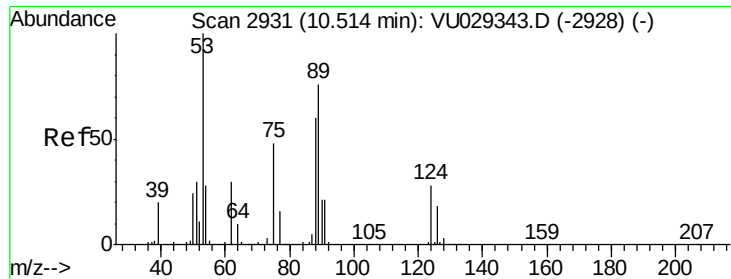


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

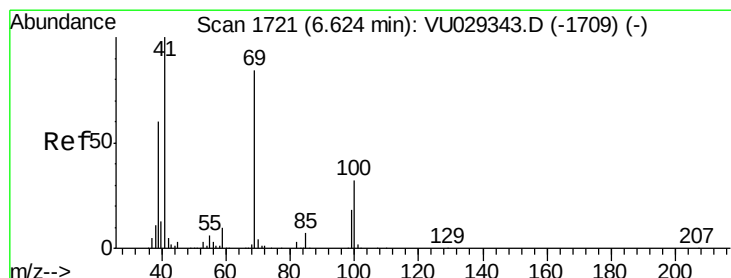
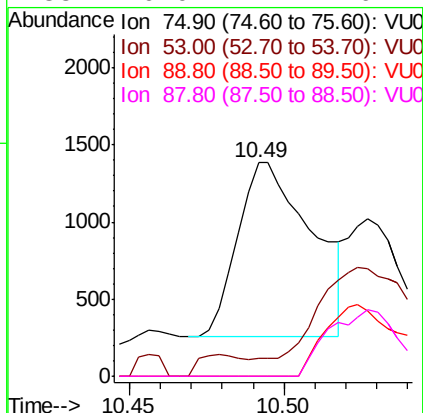
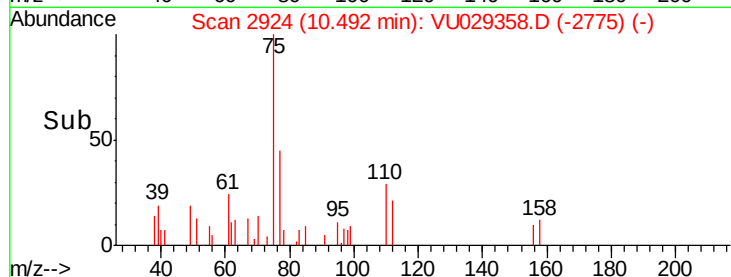
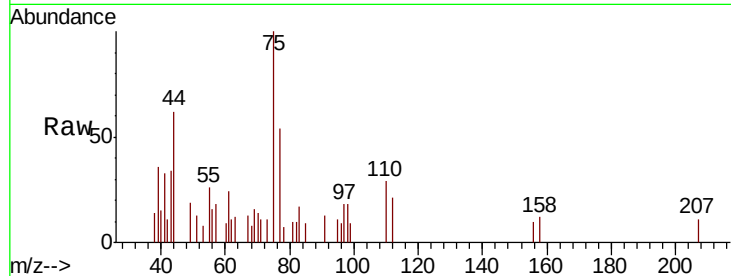




#46
t-1,4-Dichloro-2-butene
Concen: 0.431 ug/l
RT: 10.49 min Scan# 2924
Delta R.T. -0.02 min
Lab File: VU029358.D
Acq: 06 Feb 2019 11:54

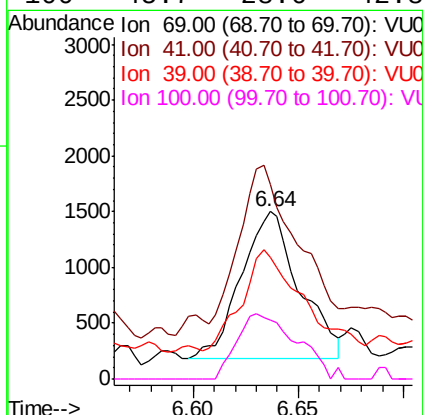
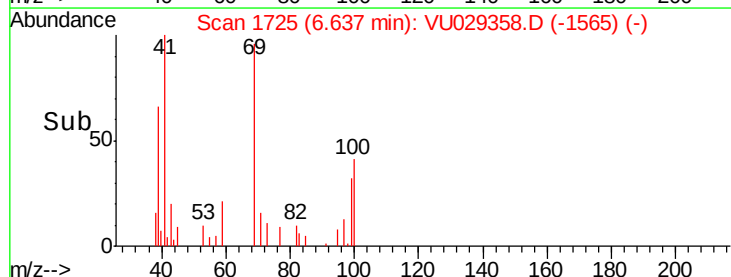
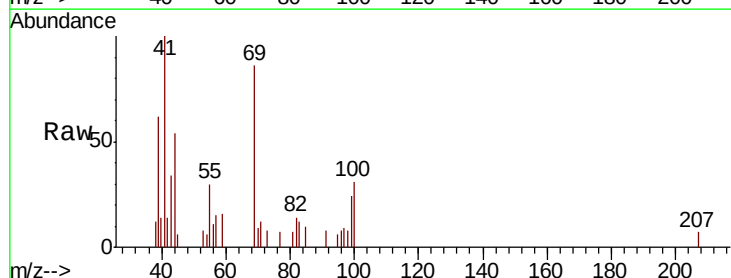
Instrument :
MSVOA_U
ClientSampleId :
MDL04

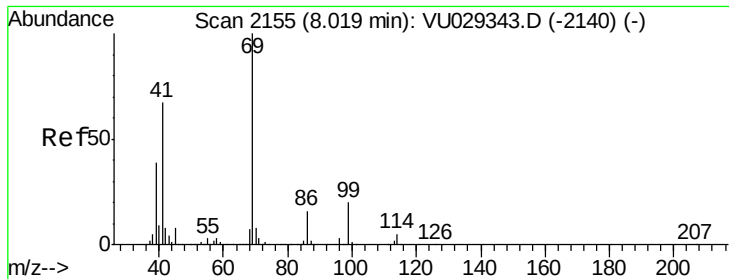
Tgt Ion: 75 Resp: 1886
Ion Ratio Lower Upper
75 100
53 7.6 78.2 117.4#
89 0.0 44.2 66.4#
88 0.0 41.4 62.2#



#47
Methyl methacrylate
Concen: 0.376 ug/l
RT: 6.64 min Scan# 1725
Delta R.T. 0.01 min
Lab File: VU029358.D
Acq: 06 Feb 2019 11:54

Tgt Ion: 69 Resp: 2532
Ion Ratio Lower Upper
69 100
41 106.7 0.0 296.2
39 72.6 71.2 106.8
100 45.7 28.6 42.8#

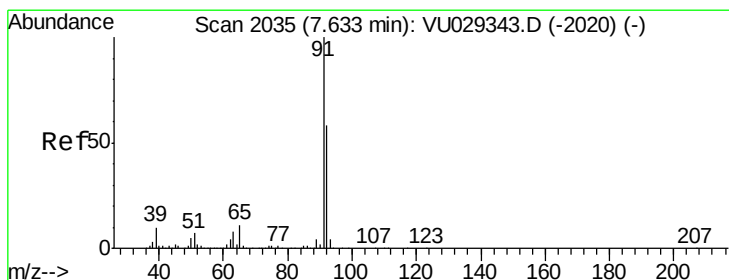
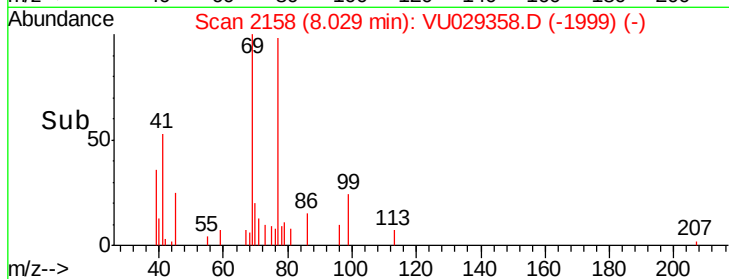
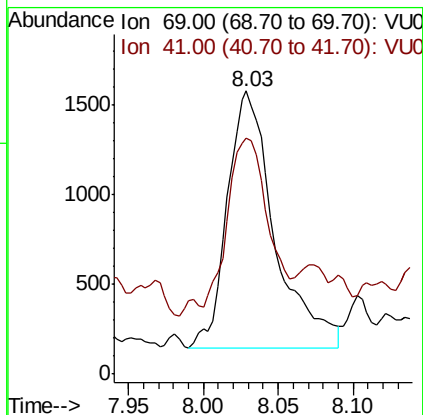
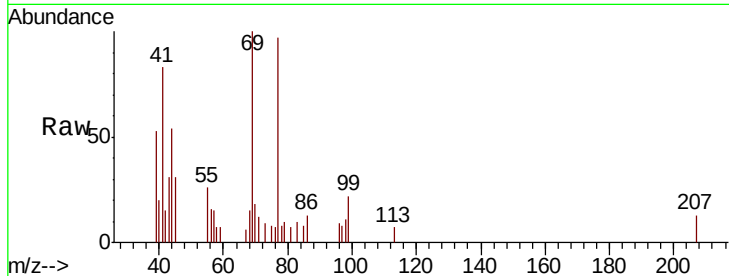




#48
Ethyl methacrylate
Concen: 0.218 ug/l
RT: 8.03 min Scan# 2158
Delta R.T. 0.01 min
Lab File: VU029358.D
Acq: 06 Feb 2019 11:54

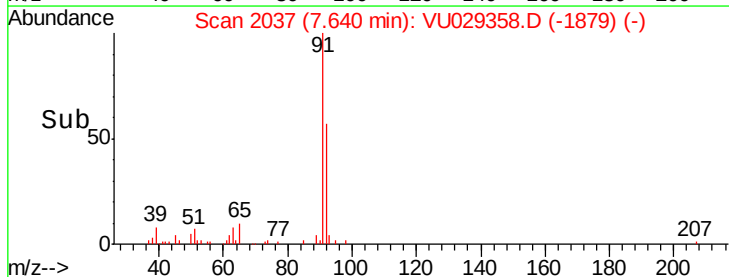
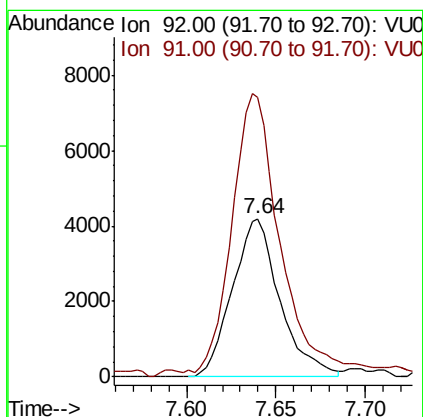
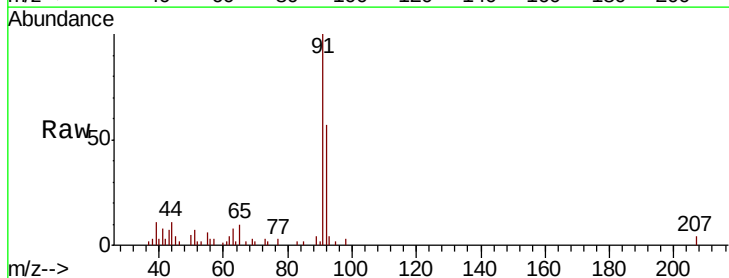
Instrument :
MSVOA_U
ClientSampleId :
MDL04

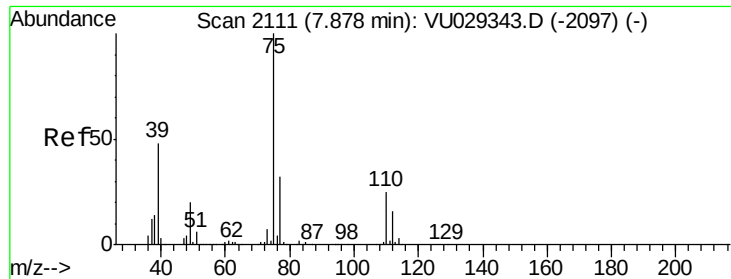
Tgt Ion: 69 Resp: 3155
Ion Ratio Lower Upper
69 100
41 54.3 39.9 119.7



#49
Toluene
Concen: 0.220 ug/l
RT: 7.64 min Scan# 2037
Delta R.T. 0.01 min
Lab File: VU029358.D
Acq: 06 Feb 2019 11:54

Tgt Ion: 92 Resp: 7798
Ion Ratio Lower Upper
92 100
91 176.9 140.7 211.1





#50

t-1,3-Dichloropropene

Concen: 0.219 ug/l

RT: 7.89 min Scan# 2115

Delta R.T. 0.01 min

Lab File: VU029358.D

Acq: 06 Feb 2019 11:54

Instrument :

MSVOA_U

ClientSampleId :

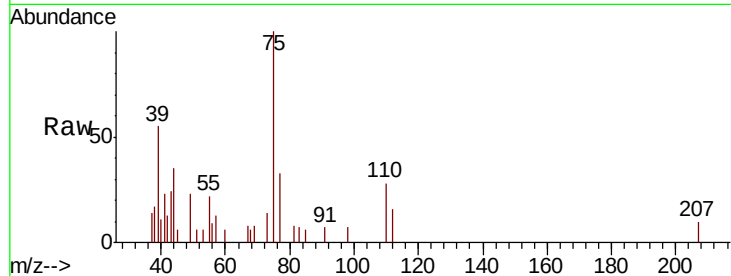
MDL04

Tgt Ion: 75 Resp: 4191

Ion Ratio Lower Upper

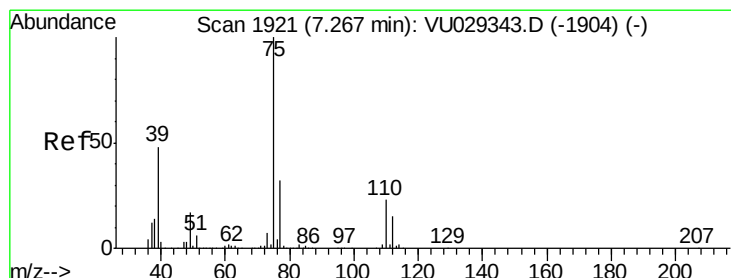
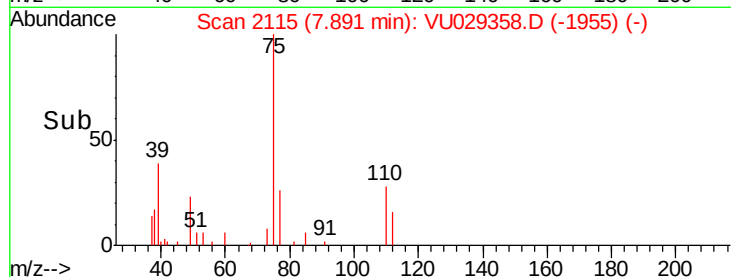
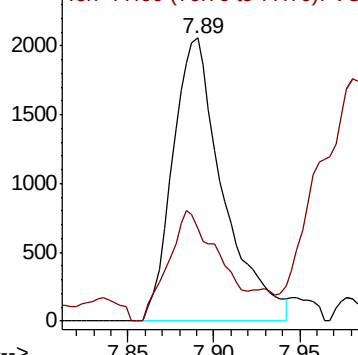
75 100

77 32.8 23.6 35.4



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#51

cis-1,3-Dichloropropene

Concen: 0.216 ug/l

RT: 7.27 min Scan# 1923

Delta R.T. 0.01 min

Lab File: VU029358.D

Acq: 06 Feb 2019 11:54

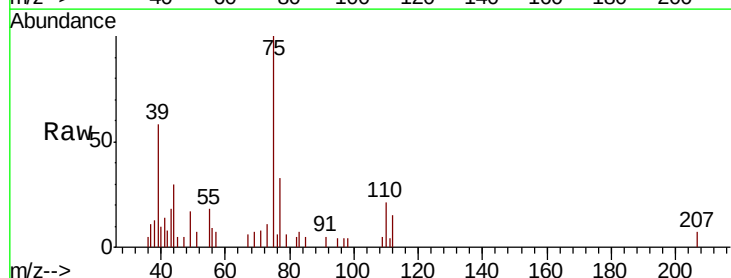
Tgt Ion: 75 Resp: 4902

Ion Ratio Lower Upper

75 100

77 28.8 24.9 37.3

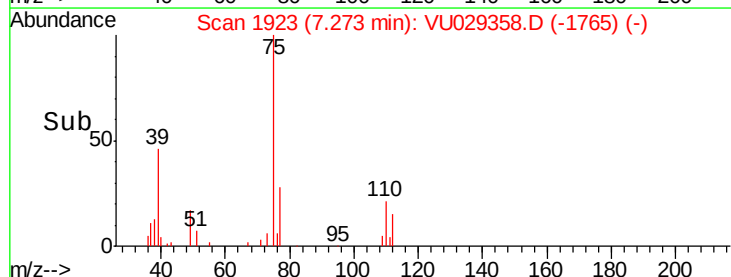
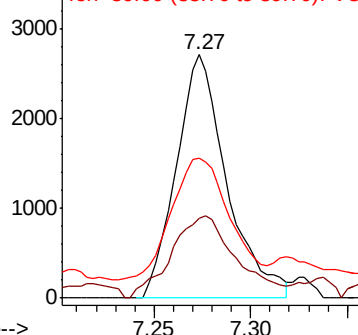
39 48.3 47.2 70.8

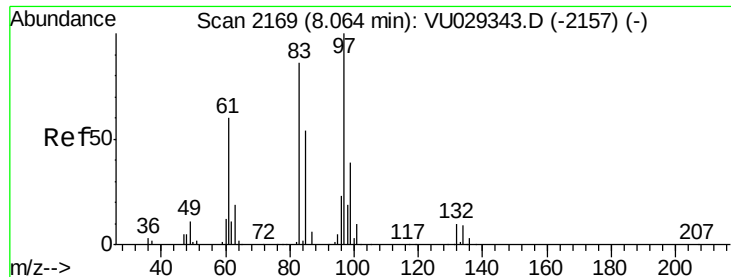


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

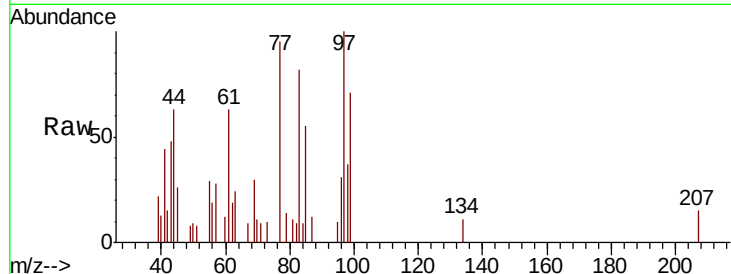




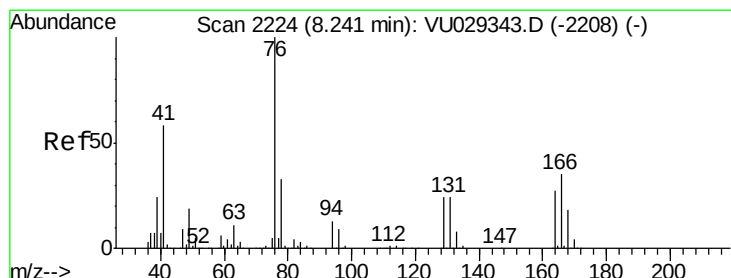
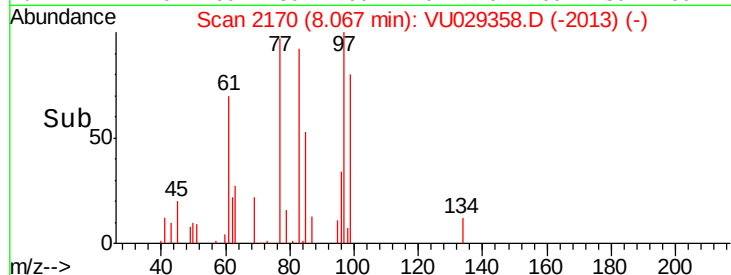
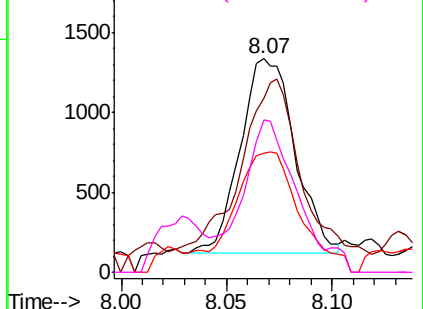
#52
 1,1,2-Trichloroethane
 Concen: 0.217 ug/l
 RT: 8.07 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VU029358.D
 Acq: 06 Feb 2019 11:54

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL04

Tgt Ion:	97	Resp:	2197
Ion	Ratio	Lower	Upper
97	100		
83	75.3	69.9	104.9
85	51.9	45.8	68.6
99	65.7	50.2	75.2

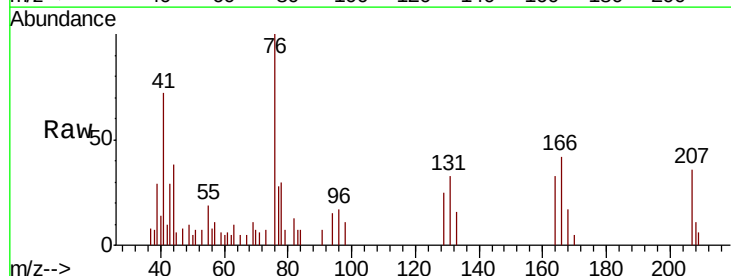


Abundance Ion 97.00 (96.70 to 97.70): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 84.95 (84.65 to 85.65): VU0
 Ion 98.95 (98.65 to 99.65): VU0

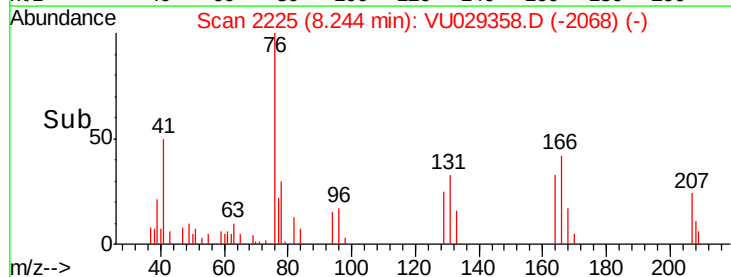
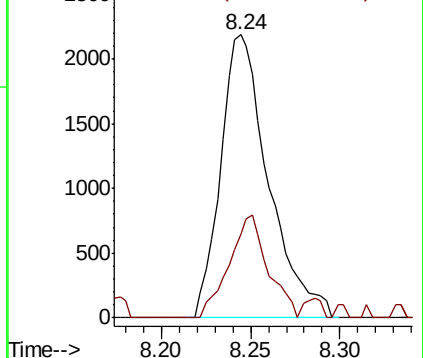


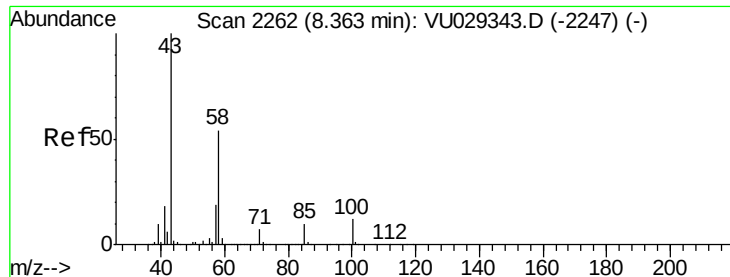
#53
 1,3-Dichloropropane
 Concen: 0.228 ug/l
 RT: 8.24 min Scan# 2225
 Delta R.T. 0.00 min
 Lab File: VU029358.D
 Acq: 06 Feb 2019 11:54

Tgt Ion:	76	Resp:	4064
Ion	Ratio	Lower	Upper
76	100		
78	29.4	26.3	39.5



Abundance Ion 76.00 (75.70 to 76.70): VU0
 Ion 78.00 (77.70 to 78.70): VU0

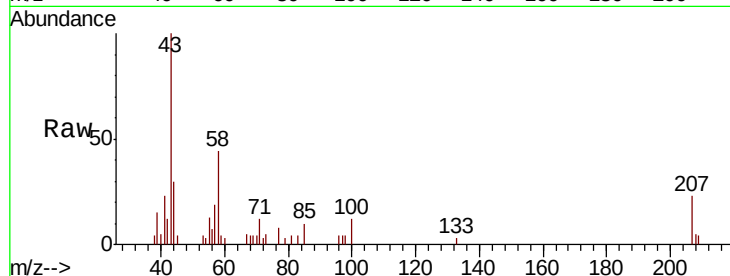




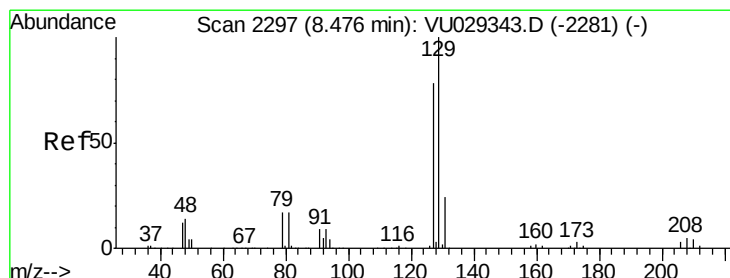
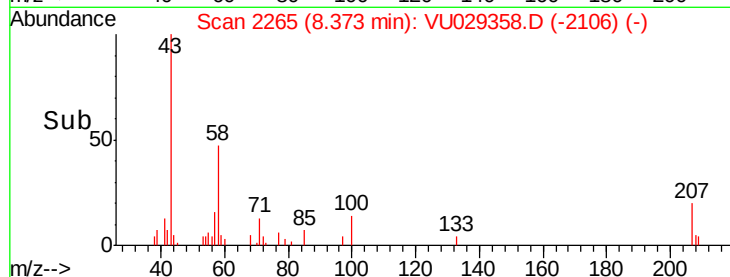
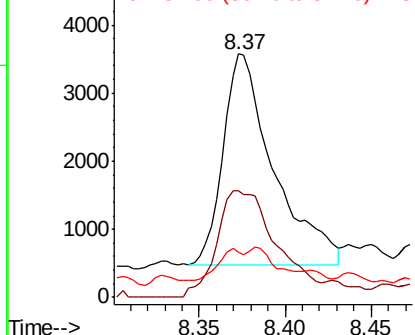
#54
2-Hexanone
Concen: 1.000 ug/l
RT: 8.37 min Scan# 2265
Delta R.T. 0.01 min
Lab File: VU029358.D
Acq: 06 Feb 2019 11:54

Instrument :
MSVOA_U
ClientSampleId :
MDL04

Tgt Ion: 43 Resp: 6297
Ion Ratio Lower Upper
43 100
58 60.1 26.0 66.0
57 7.5 0.0 37.7

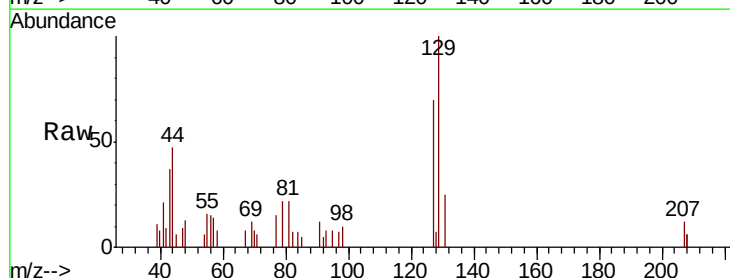


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0

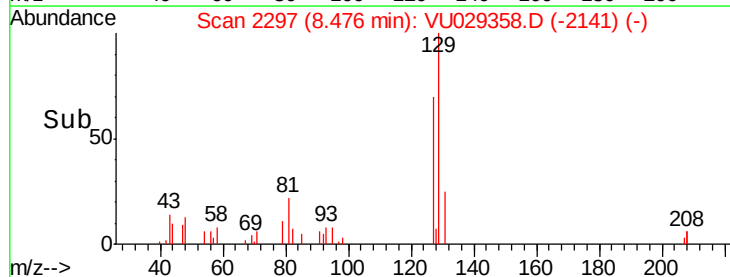
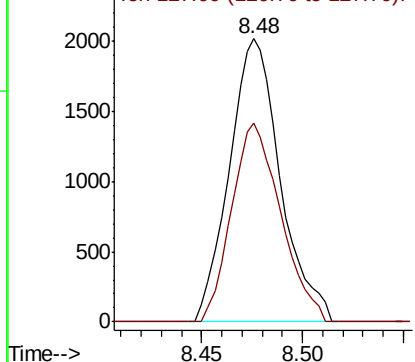


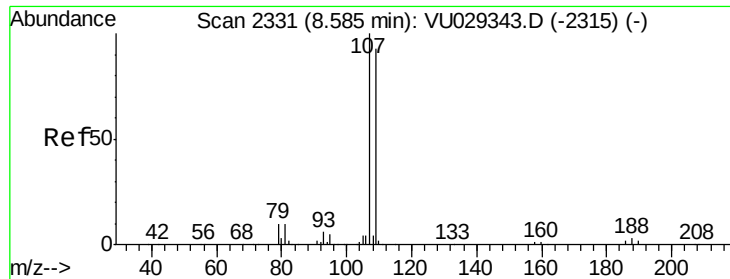
#55
Dibromochloromethane
Concen: 0.247 ug/l
RT: 8.48 min Scan# 2297
Delta R.T. 0.00 min
Lab File: VU029358.D
Acq: 06 Feb 2019 11:54

Tgt Ion: 129 Resp: 3561
Ion Ratio Lower Upper
129 100
127 67.8 60.5 90.7



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





#56

1,2-Dibromoethane

Concen: 0.206 ug/l

RT: 8.59 min Scan# 2333

Delta R.T. 0.01 min

Lab File: VU029358.D

Acq: 06 Feb 2019 11:54

Instrument :

MSVOA_U

ClientSampled :

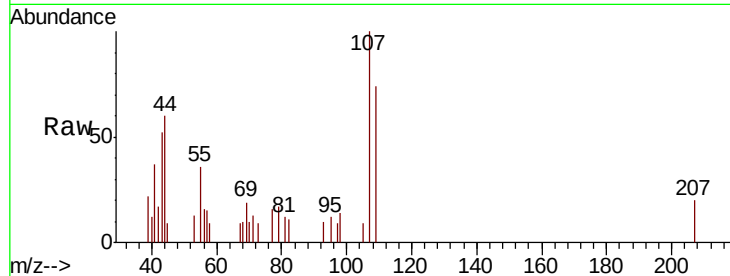
MDL04

Tgt Ion: 107 Resp: 2139

Ion Ratio Lower Upper

107 100

109 102.0 0.0 189.6



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

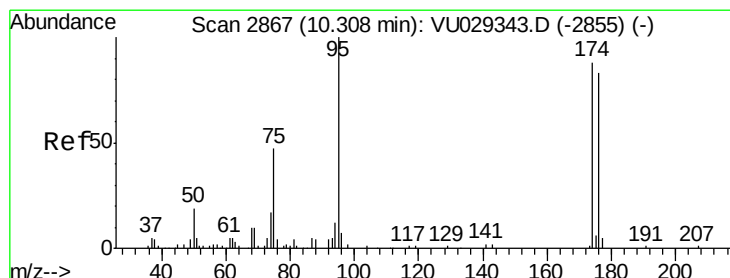
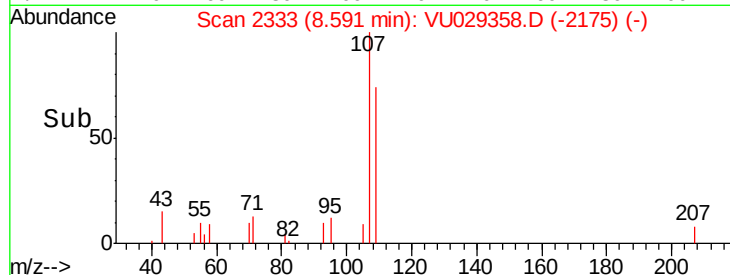
8.59

1000

500

0

Time-->



#57

4-Bromofluorobenzene

Concen: 0.206 ug/l

RT: 10.31 min Scan# 2867

Delta R.T. 0.00 min

Lab File: VU029358.D

Acq: 06 Feb 2019 11:54

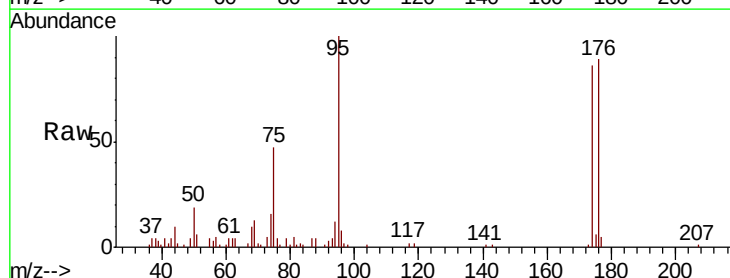
Tgt Ion: 95 Resp: 19056

Ion Ratio Lower Upper

95 100

174 90.8 64.2 96.2

176 93.6 62.3 93.5#



Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

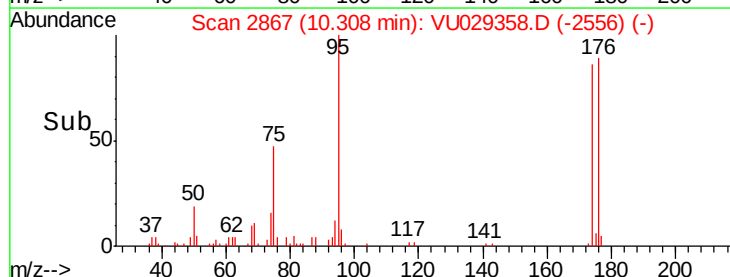
15000

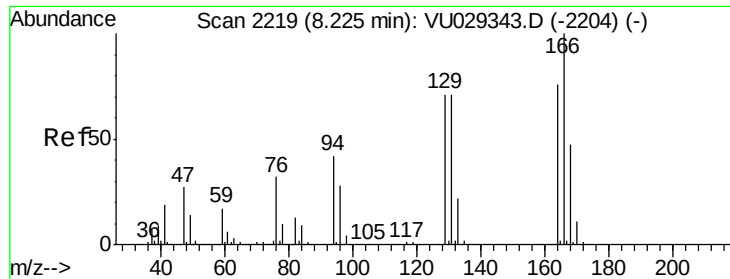
10000

5000

0

Time-->

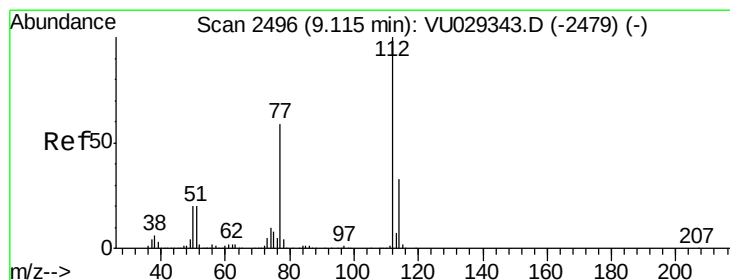
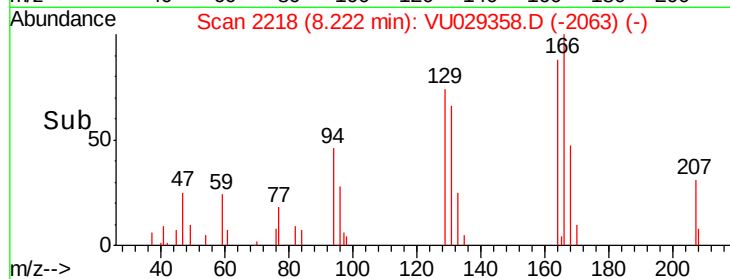
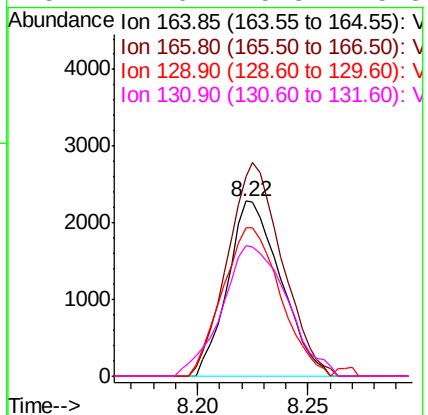
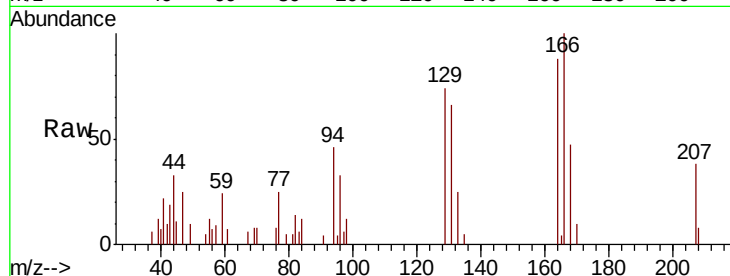




#58
Tetrachloroethene
Concen: 0.259 ug/l
RT: 8.22 min Scan# 2218
Delta R.T. -0.00 min
Lab File: VU029358.D
Acq: 06 Feb 2019 11:54

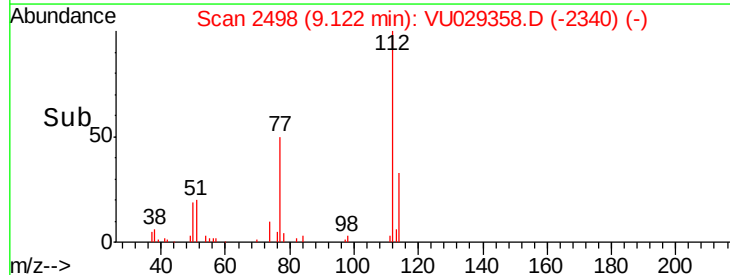
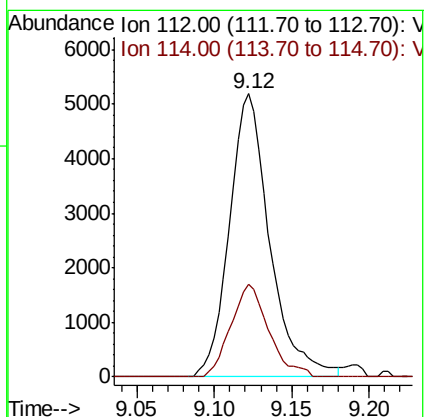
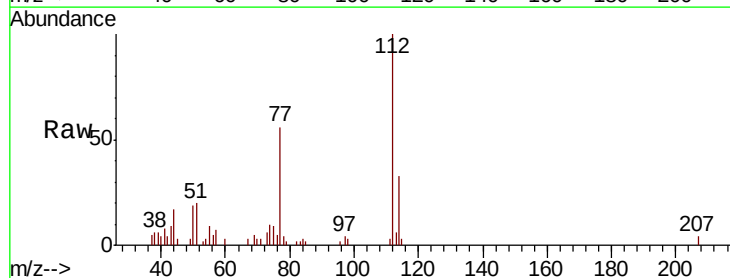
Instrument :
MSVOA_U
ClientSampleId :
MDL04

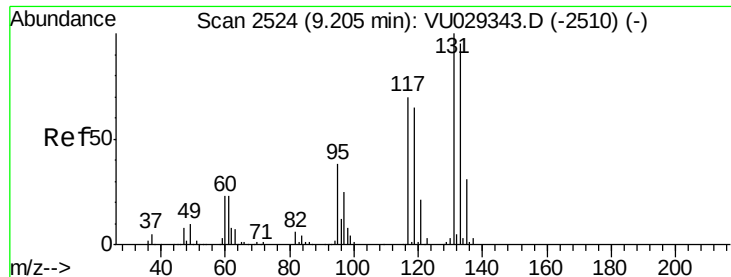
Tgt Ion:164 Resp: 3819
Ion Ratio Lower Upper
164 100
166 113.9 106.6 159.8
129 84.8 79.9 119.9
131 74.6 75.8 113.8#



#59
Chlorobenzene
Concen: 0.236 ug/l
RT: 9.12 min Scan# 2498
Delta R.T. 0.01 min
Lab File: VU029358.D
Acq: 06 Feb 2019 11:54

Tgt Ion:112 Resp: 9386
Ion Ratio Lower Upper
112 100
114 32.7 26.2 39.4





#60

1,1,1,2-Tetrachloroethane

Concen: 0.241 ug/l

RT: 9.21 min Scan# 2525

Delta R.T. 0.00 min

Lab File: VU029358.D

Acq: 06 Feb 2019 11:54

Instrument :

MSVOA_U

ClientSampleId :

MDL04

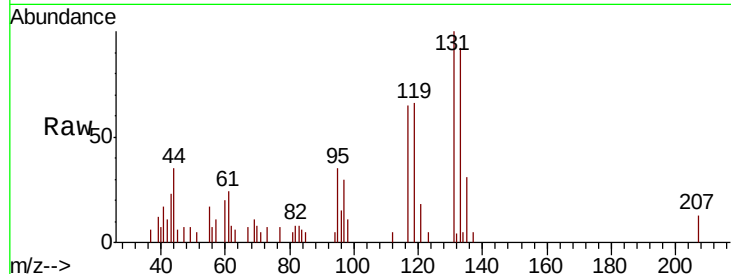
Tgt Ion:131 Resp: 3544

Ion Ratio Lower Upper

131 100

133 103.0 77.3 115.9

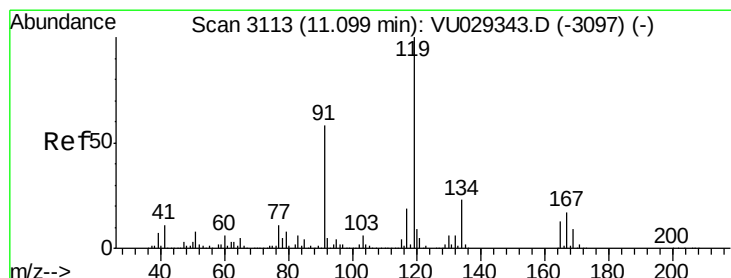
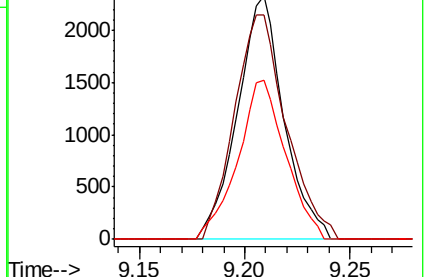
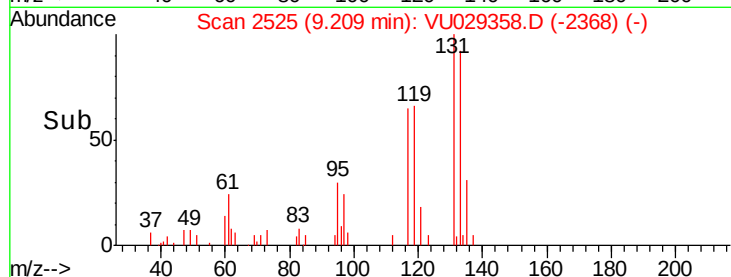
119 67.6 48.9 73.3



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: 0.216 ug/l

RT: 11.10 min Scan# 3113

Delta R.T. 0.00 min

Lab File: VU029358.D

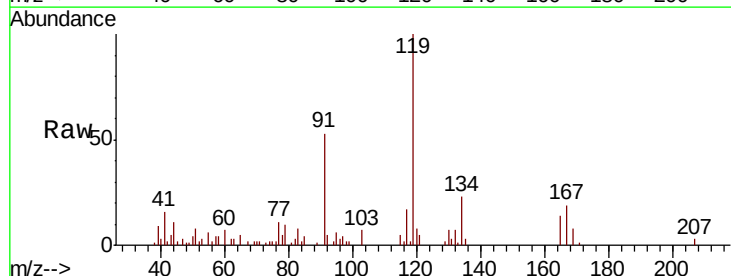
Acq: 06 Feb 2019 11:54

Tgt Ion:117 Resp: 2467

Ion Ratio Lower Upper

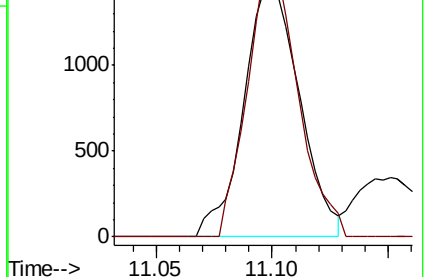
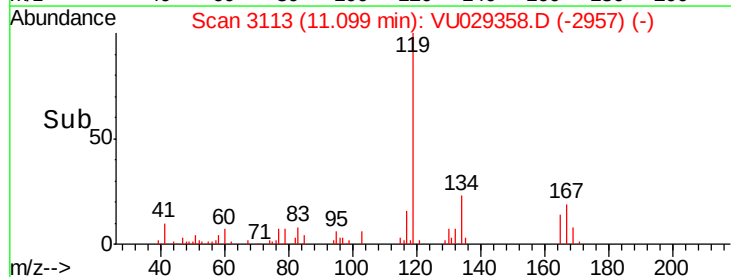
117 100

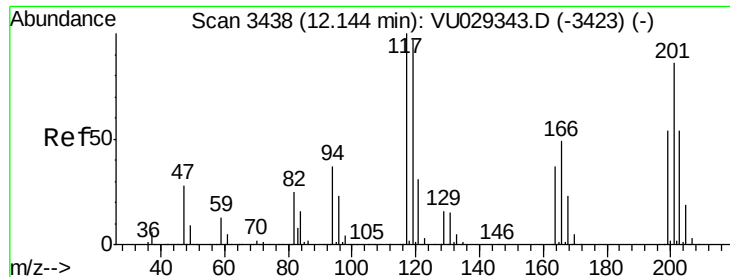
167 98.3 65.9 98.9



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 166.70 (166.40 to 167.40): V





#62

Hexachloroethane

Concen: 0.224 ug/l

RT: 12.14 min Scan# 3438

Delta R.T. 0.00 min

Lab File: VU029358.D

Acq: 06 Feb 2019 11:54

Instrument :

MSVOA_U

ClientSampled :

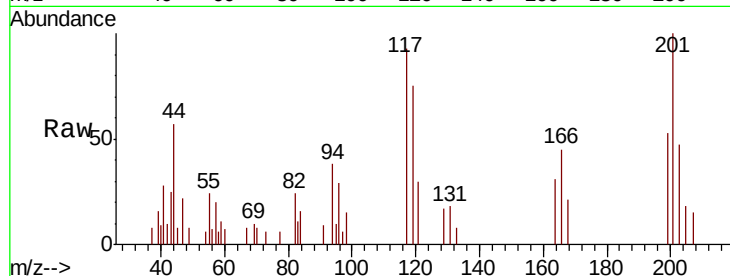
MDL04

Tgt Ion:117 Resp: 2796

Ion Ratio Lower Upper

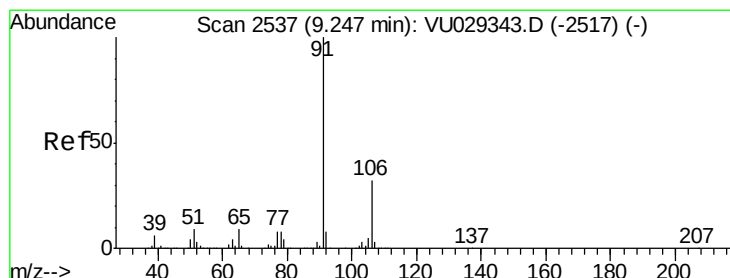
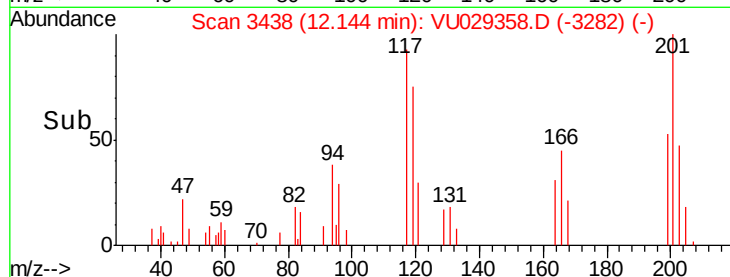
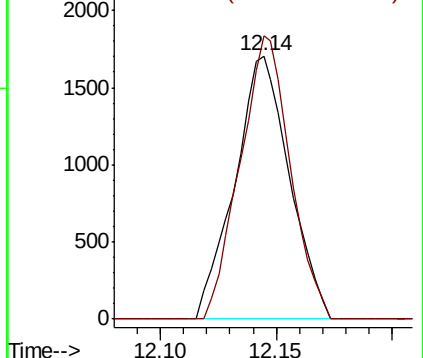
117 100

201 98.7 68.2 102.2



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.60 (200.30 to 201.30): V



#63

Ethyl Benzene

Concen: 0.235 ug/l

RT: 9.25 min Scan# 2538

Delta R.T. 0.00 min

Lab File: VU029358.D

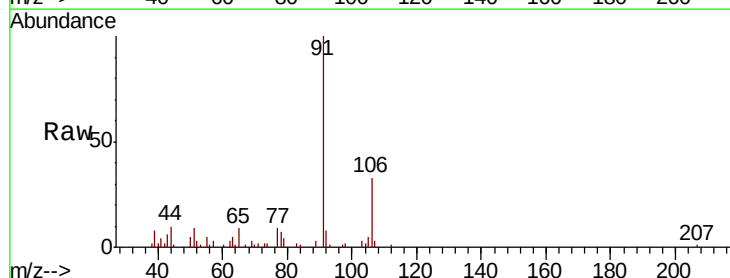
Acq: 06 Feb 2019 11:54

Tgt Ion: 91 Resp: 16241

Ion Ratio Lower Upper

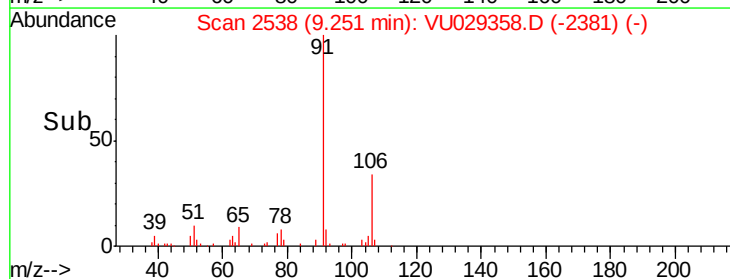
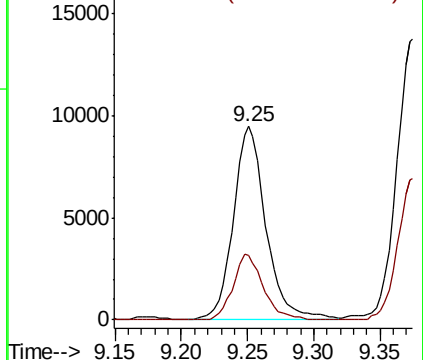
91 100

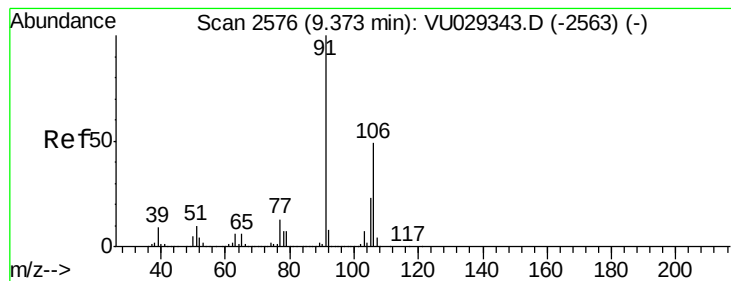
106 33.3 23.8 35.6



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V





#64

m/p-Xylenes

Concen: 0.449 ug/l

RT: 9.38 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VU029358.D

Acq: 06 Feb 2019 11:54

Instrument :

MSVOA_U

ClientSampleId :

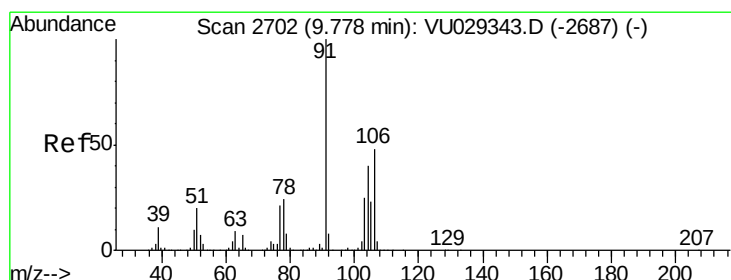
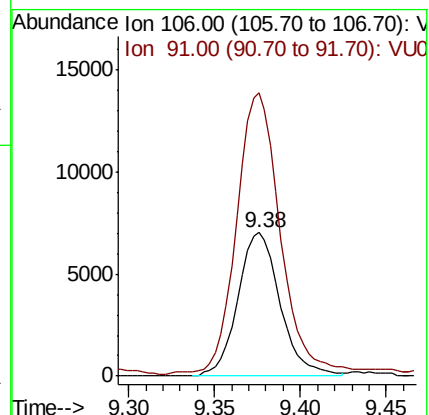
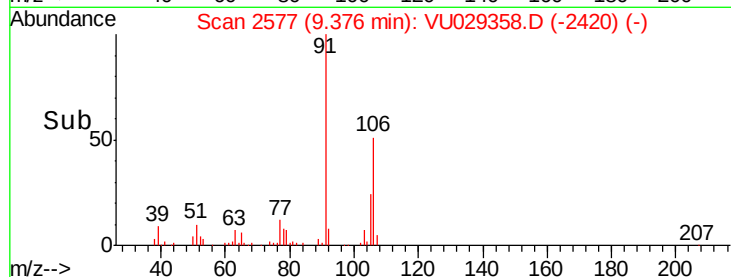
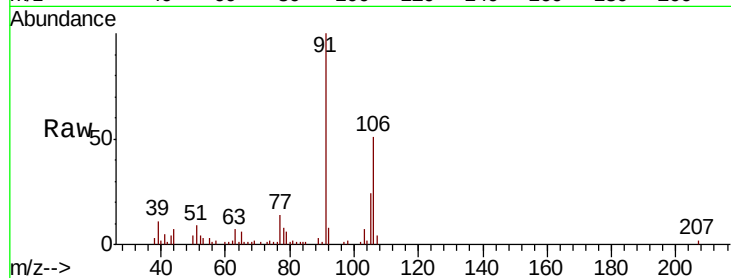
MDL04

Tgt Ion:106 Resp: 12064

Ion Ratio Lower Upper

106 100

91 202.9 174.6 261.8



#65

o-Xylene

Concen: 0.238 ug/l

RT: 9.78 min Scan# 2703

Delta R.T. 0.00 min

Lab File: VU029358.D

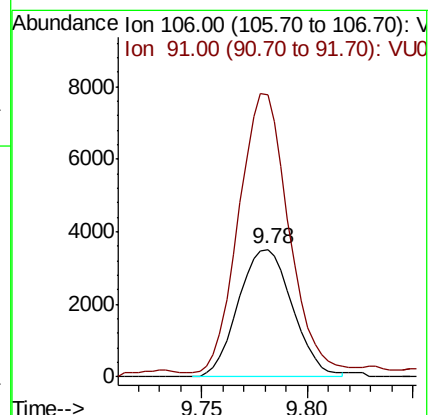
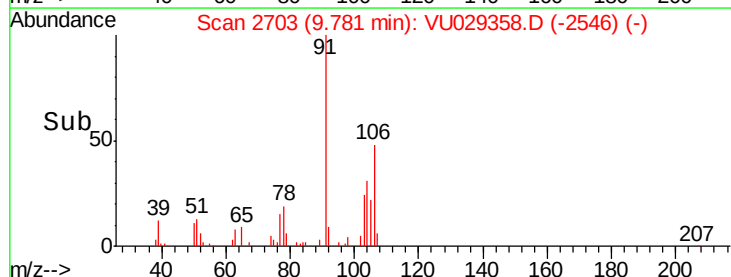
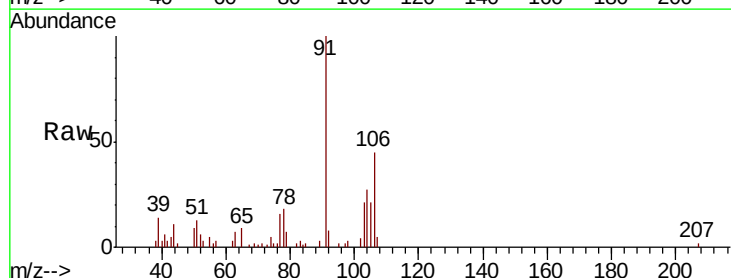
Acq: 06 Feb 2019 11:54

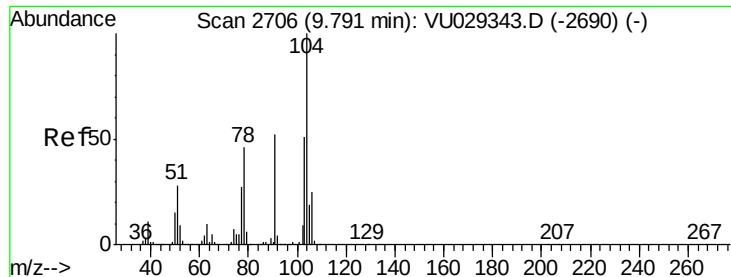
Tgt Ion:106 Resp: 6277

Ion Ratio Lower Upper

106 100

91 200.4 114.5 343.4

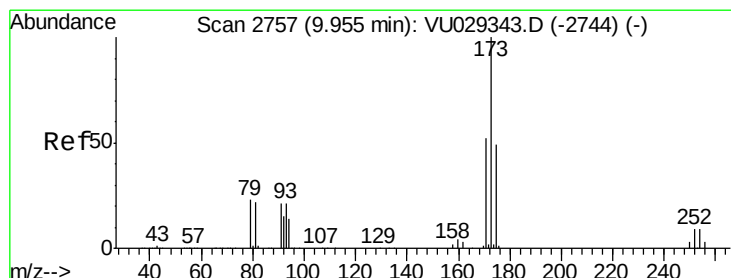
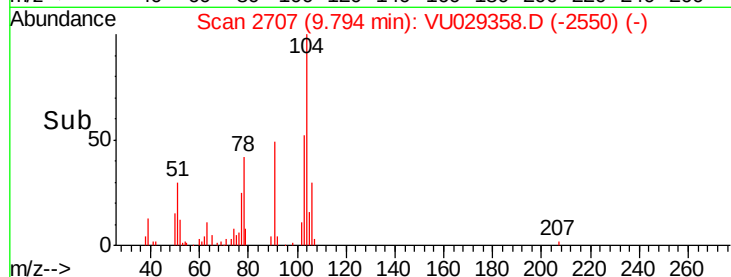
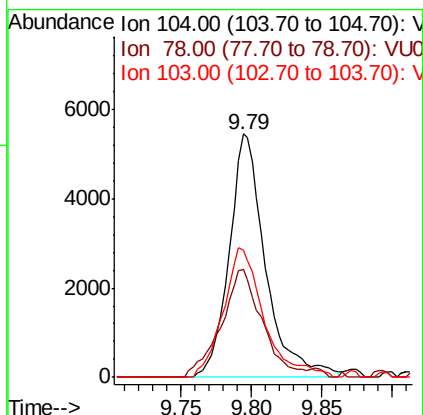
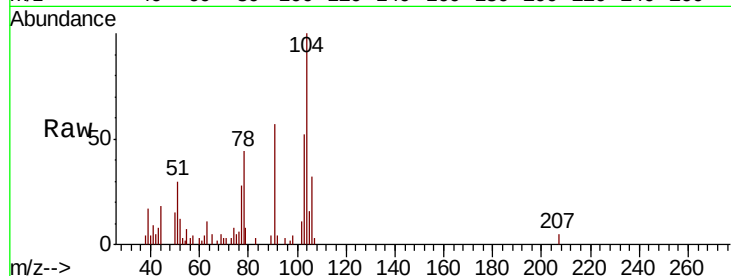




#66
 Styrene
 Concen: 0.223 ug/l
 RT: 9.79 min Scan# 2707
 Delta R.T. 0.00 min
 Lab File: VU029358.D
 Acq: 06 Feb 2019 11:54

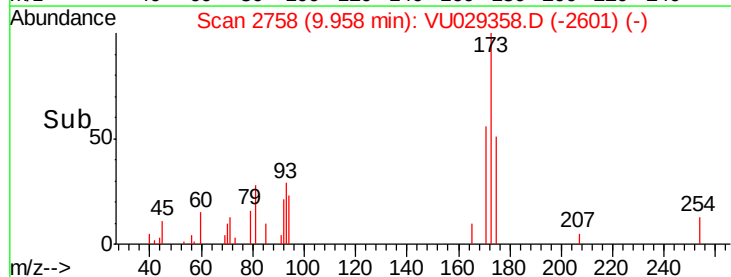
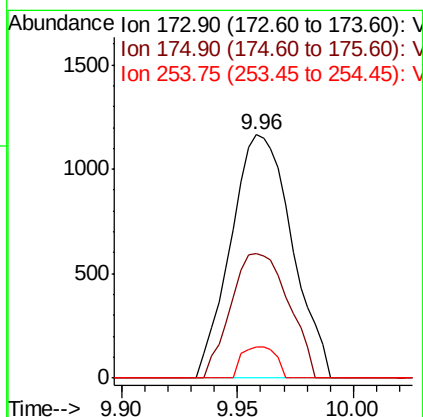
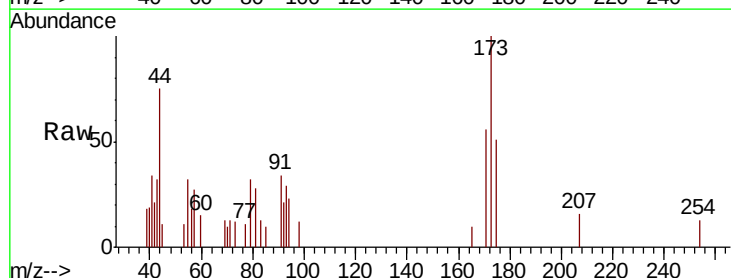
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL04

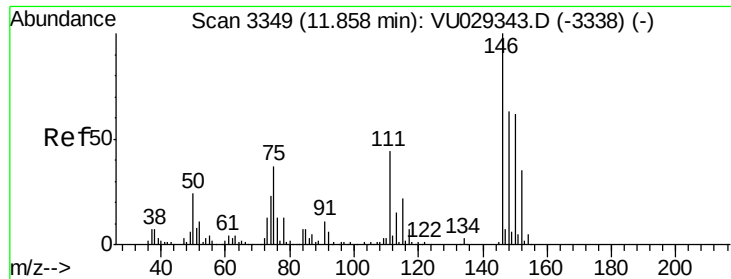
Tgt Ion:104 Resp: 9821
 Ion Ratio Lower Upper
 104 100
 78 50.0 46.5 69.7
 103 59.3 44.7 67.1



#67
 Bromoform
 Concen: 0.238 ug/l
 RT: 9.96 min Scan# 2758
 Delta R.T. 0.00 min
 Lab File: VU029358.D
 Acq: 06 Feb 2019 11:54

Tgt Ion:173 Resp: 2132
 Ion Ratio Lower Upper
 173 100
 175 48.4 38.9 58.3
 254 7.0 7.4 11.2#

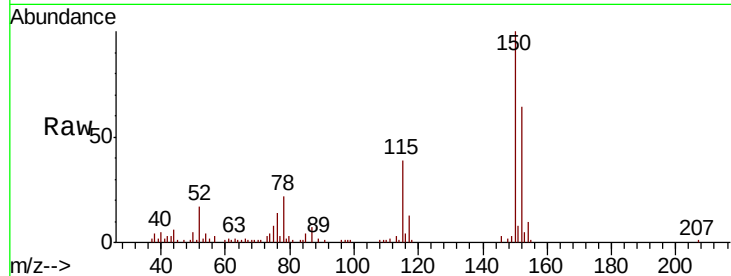




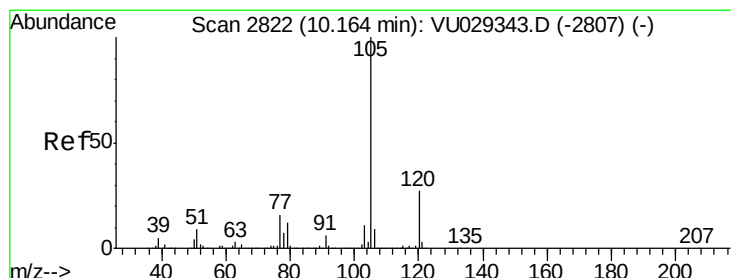
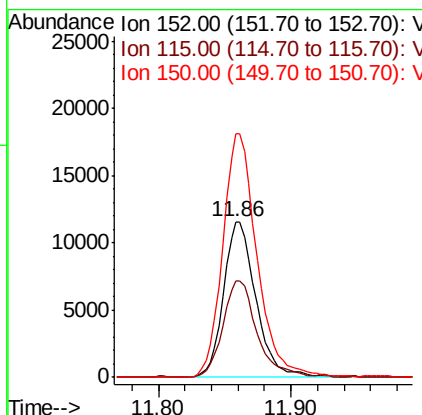
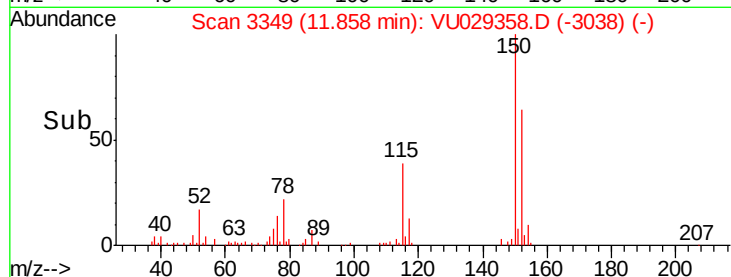
#68
 1,2-Dichlorobenzene-d4
 Concen: 0.238 ug/l
 RT: 11.86 min Scan# 3349
 Delta R.T. 0.00 min
 Lab File: VU029358.D
 Acq: 06 Feb 2019 11:54

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL04

Tgt Ion:152 Resp: 19571
 Ion Ratio Lower Upper
 152 100
 115 65.7 0.0 133.4
 150 165.4 0.0 670.8

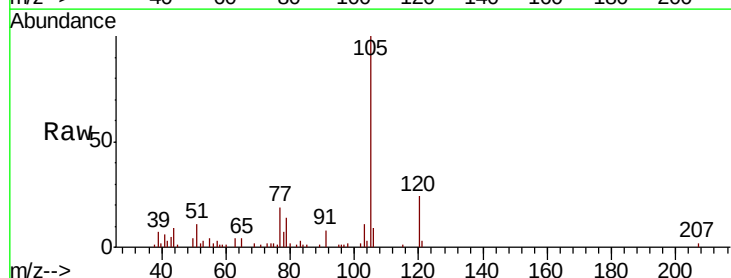


Abundance Ion 152.00 (151.70 to 152.70): V
 Ion 115.00 (114.70 to 115.70): V
 Ion 150.00 (149.70 to 150.70): V

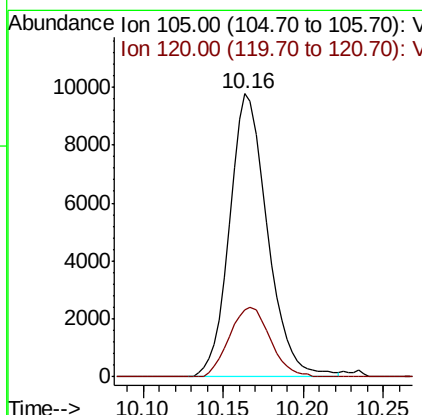
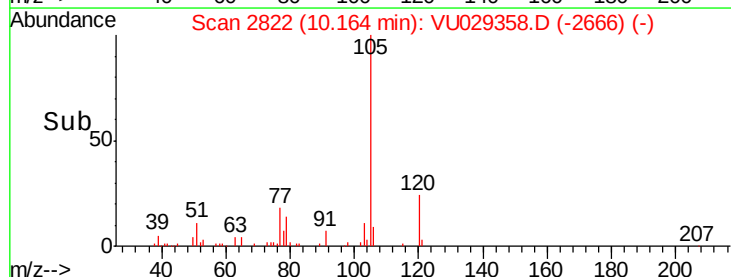


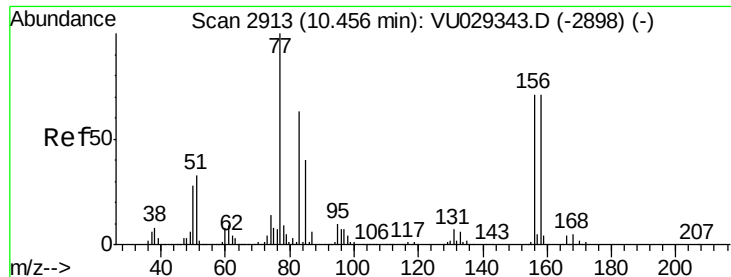
#69
 Isopropylbenzene
 Concen: 0.224 ug/l
 RT: 10.16 min Scan# 2822
 Delta R.T. 0.00 min
 Lab File: VU029358.D
 Acq: 06 Feb 2019 11:54

Tgt Ion:105 Resp: 15817
 Ion Ratio Lower Upper
 105 100
 120 26.3 12.6 37.6



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





#70

1,1,2,2-Tetrachloroethane

Concen: 0.269 ug/l

RT: 10.46 min Scan# 2914

Delta R.T. 0.00 min

Lab File: VU029358.D

Acq: 06 Feb 2019 11:54

Instrument :

MSVOA_U

ClientSampled :

MDL04

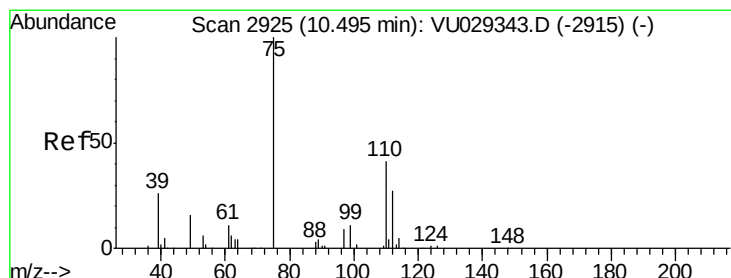
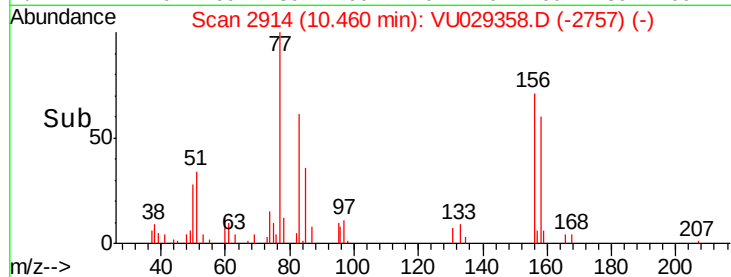
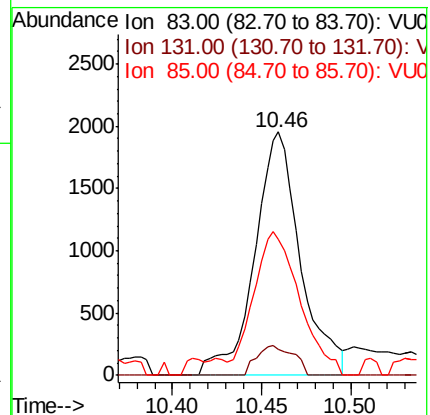
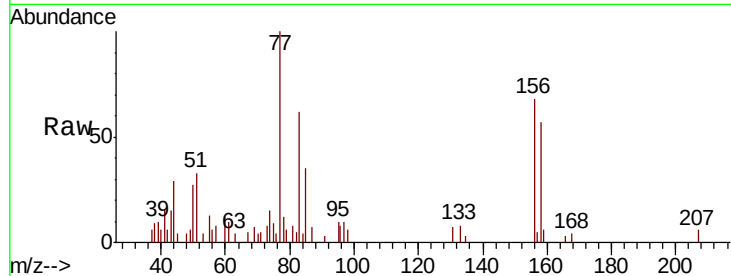
Tgt Ion: 83 Resp: 3498

Ion Ratio Lower Upper

83 100

131 9.7 8.1 12.1

85 59.6 50.3 75.5



#71

1,2,3-Trichloropropane

Concen: 0.211 ug/l

RT: 10.49 min Scan# 2924

Delta R.T. -0.00 min

Lab File: VU029358.D

Acq: 06 Feb 2019 11:54

Tgt Ion: 75 Resp: 1886

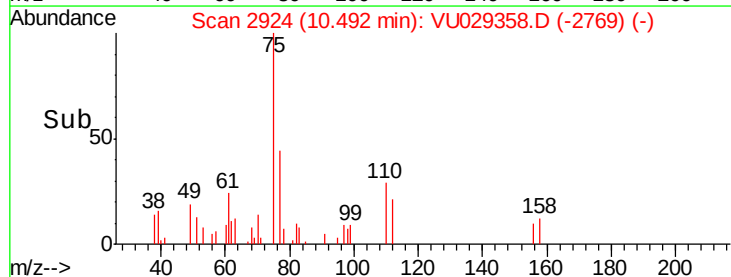
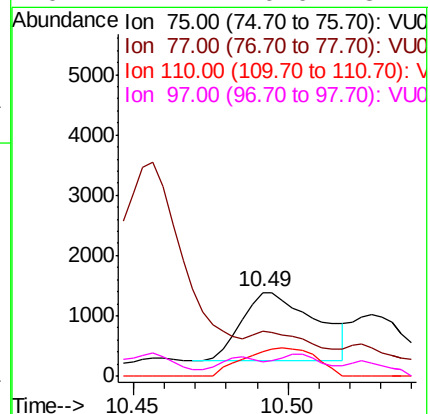
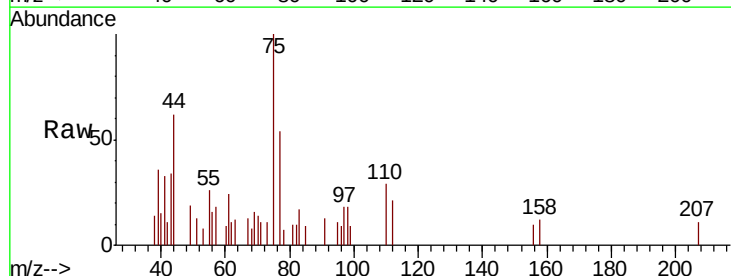
Ion Ratio Lower Upper

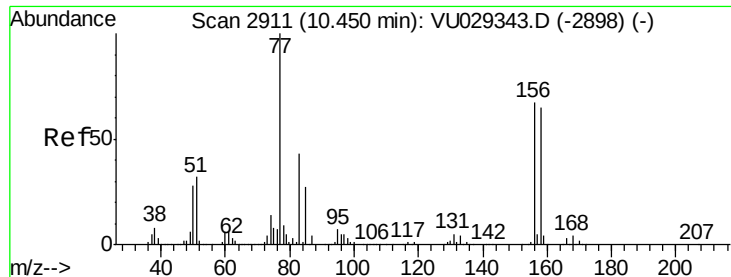
75 100

77 0.0 0.0 0.0

110 40.0 0.0 63.6

97 11.4 0.0 31.4





#72

Bromobenzene

Concen: 0.234 ug/l

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU029358.D

Acq: 06 Feb 2019 11:54

Instrument :

MSVOA_U

ClientSampleId :

MDL04

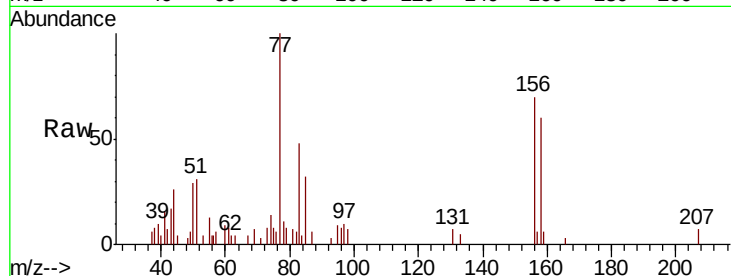
Tgt Ion:156 Resp: 4000

Ion Ratio Lower Upper

156 100

77 144.1 0.0 343.8

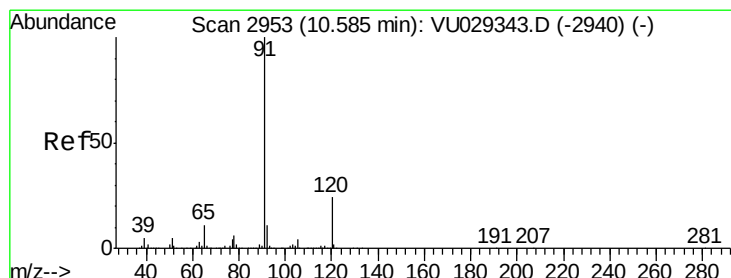
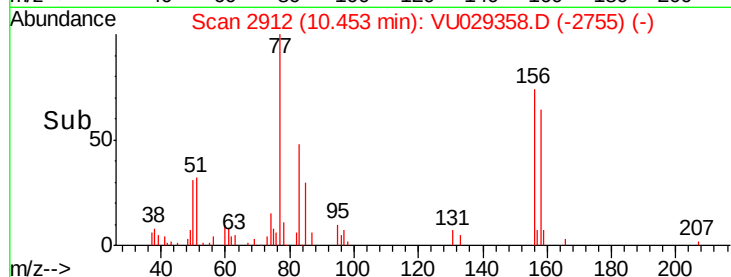
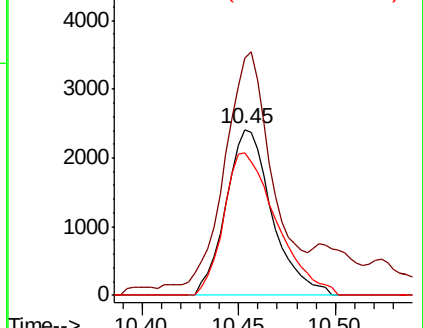
158 98.3 0.0 195.0



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 158.00 (157.70 to 158.70): V



#73

n-propylbenzene

Concen: 0.219 ug/l

RT: 10.59 min Scan# 2954

Delta R.T. 0.00 min

Lab File: VU029358.D

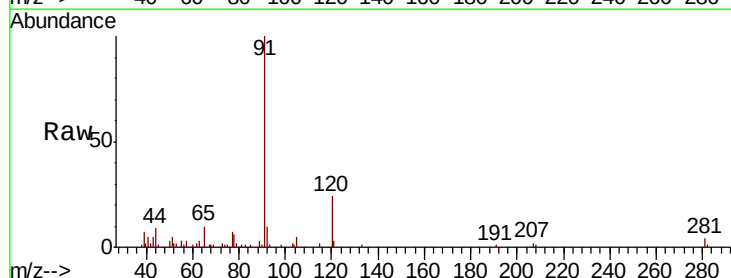
Acq: 06 Feb 2019 11:54

Tgt Ion:120 Resp: 4311

Ion Ratio Lower Upper

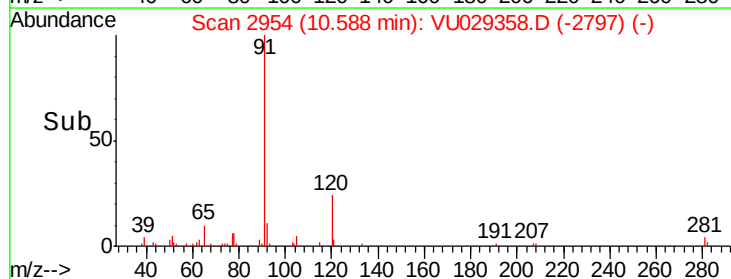
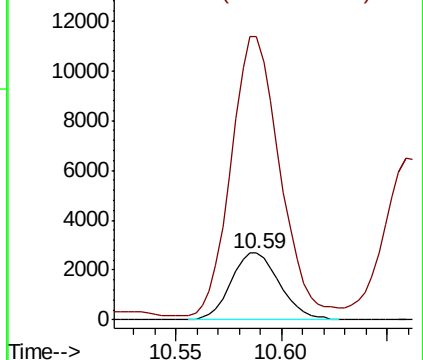
120 100

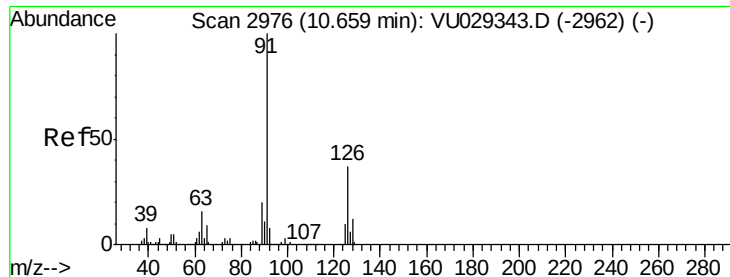
91 428.1 370.0 555.0



Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0





#74

2-Chlorotoluene

Concen: 0.236 ug/l

RT: 10.67 min Scan# 2978

Delta R.T. 0.01 min

Lab File: VU029358.D

Acq: 06 Feb 2019 11:54

Instrument :

MSVOA_U

ClientSampleId :

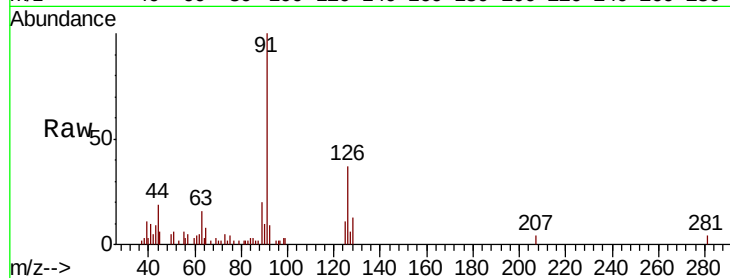
MDL04

Tgt Ion:126 Resp: 3955

Ion Ratio Lower Upper

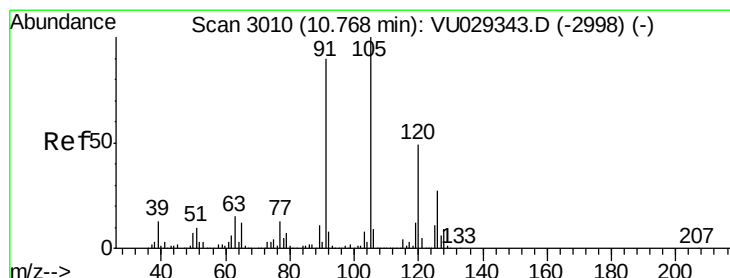
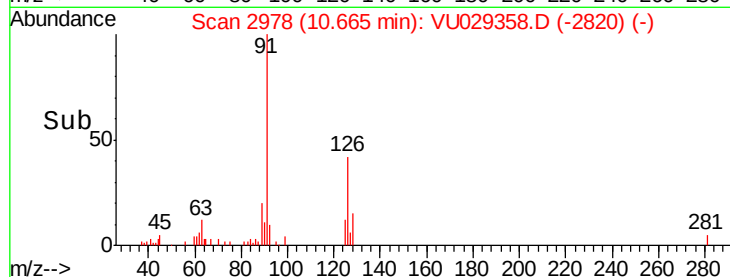
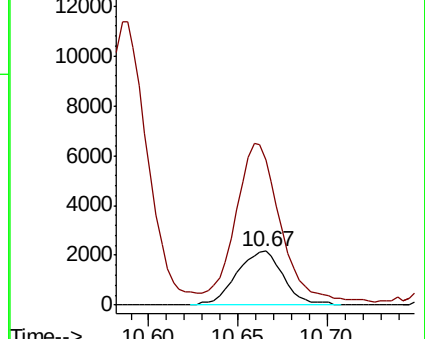
126 100

91 280.4 0.0 643.0



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0



#75

1,3,5-Trimethylbenzene

Concen: 0.220 ug/l

RT: 10.77 min Scan# 3011

Delta R.T. 0.00 min

Lab File: VU029358.D

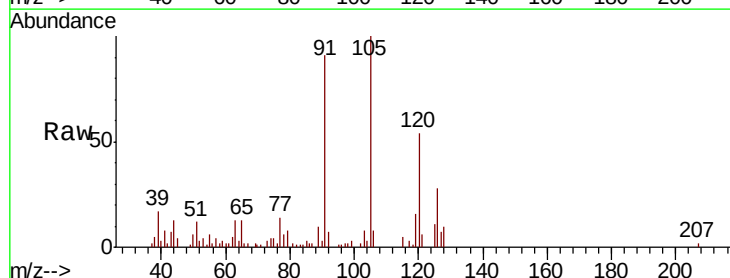
Acq: 06 Feb 2019 11:54

Tgt Ion:105 Resp: 13379

Ion Ratio Lower Upper

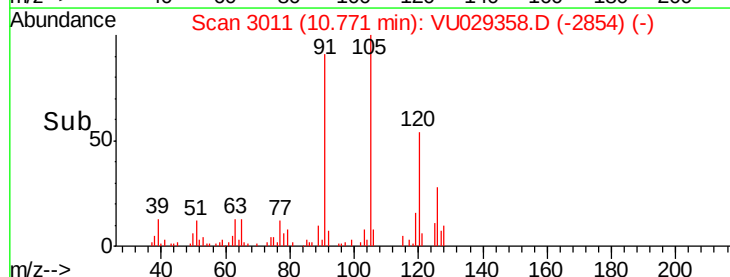
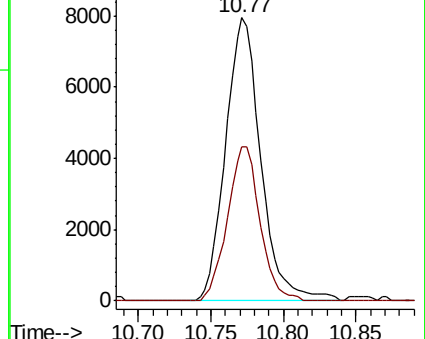
105 100

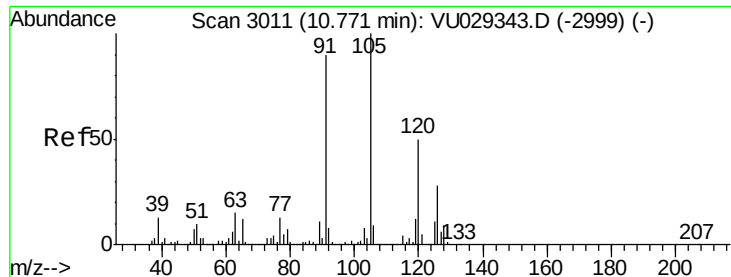
120 50.3 37.3 55.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

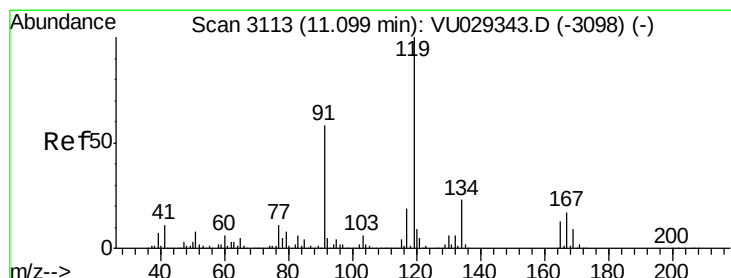
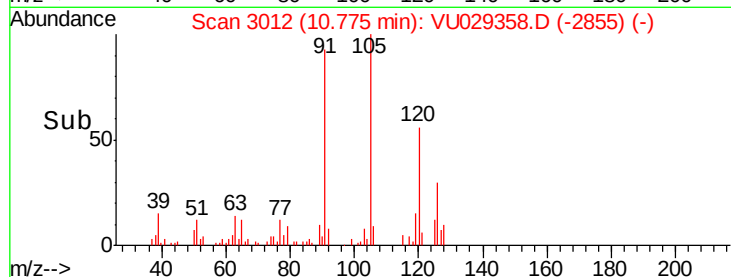
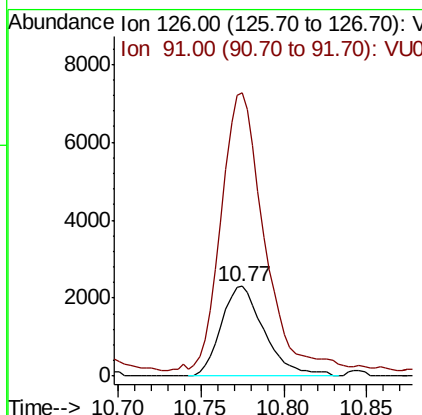
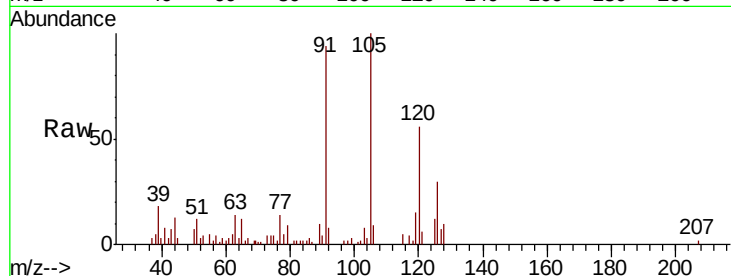




#76
4-Chlorotoluene
Concen: 0.240 ug/l
RT: 10.77 min Scan# 3012
Delta R.T. 0.00 min
Lab File: VU029358.D
Acq: 06 Feb 2019 11:54

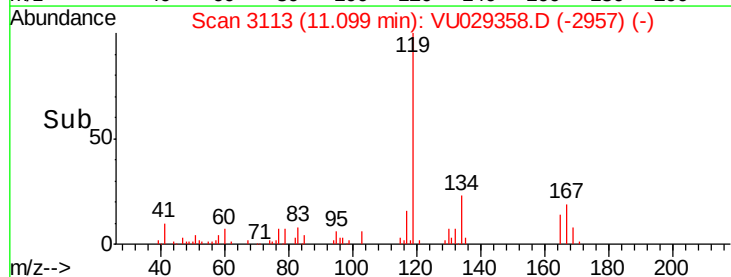
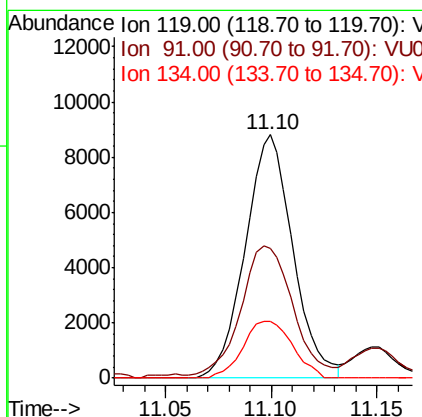
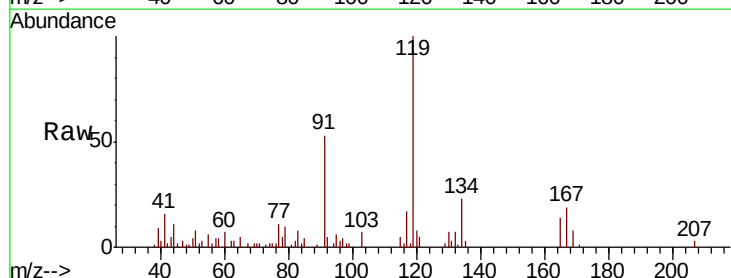
Instrument :
MSVOA_U
ClientSampleId :
MDL04

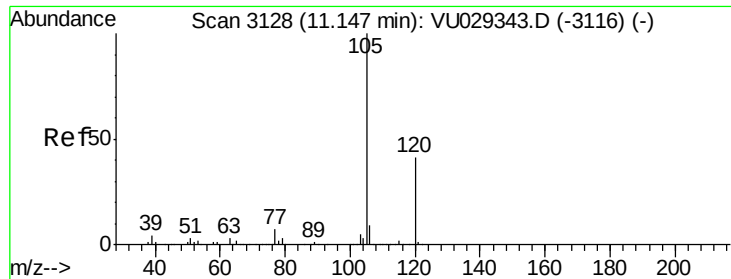
Tgt Ion:126 Resp: 4168
Ion Ratio Lower Upper
126 100
91 305.4 0.0 727.4



#77
tert-Butylbenzene
Concen: 0.231 ug/l
RT: 11.10 min Scan# 3113
Delta R.T. 0.00 min
Lab File: VU029358.D
Acq: 06 Feb 2019 11:54

Tgt Ion:119 Resp: 13875
Ion Ratio Lower Upper
119 100
91 57.1 32.2 96.6
134 24.2 17.6 26.4

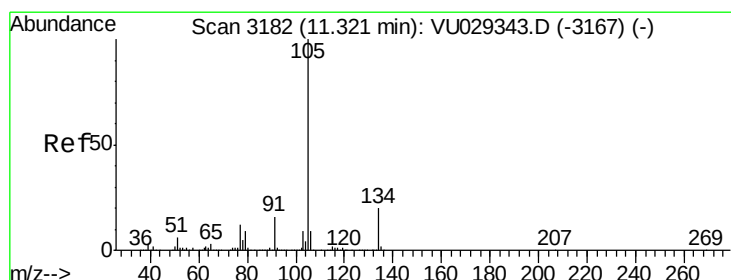
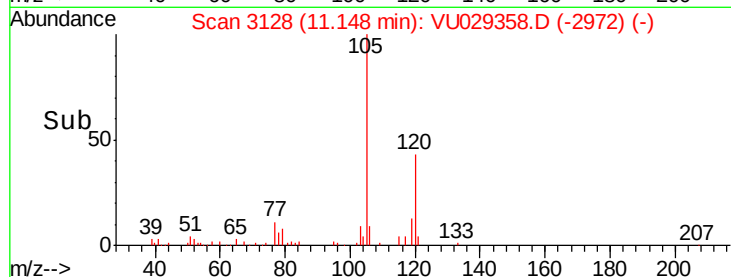
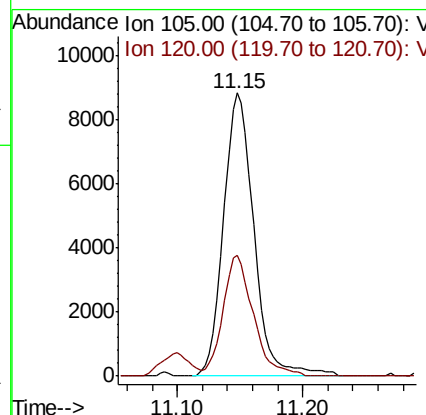
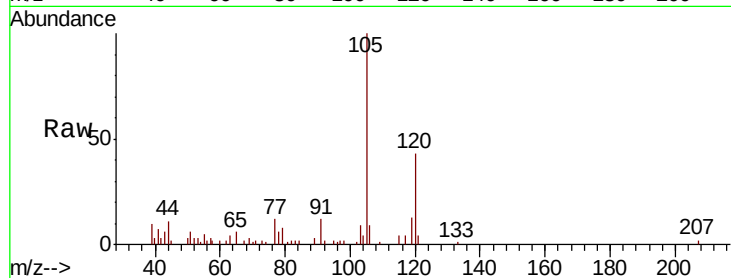




#78
 1,2,4-Trimethylbenzene
 Concen: 0.242 ug/l
 RT: 11.15 min Scan# 3128
 Delta R.T. 0.00 min
 Lab File: VU029358.D
 Acq: 06 Feb 2019 11:54

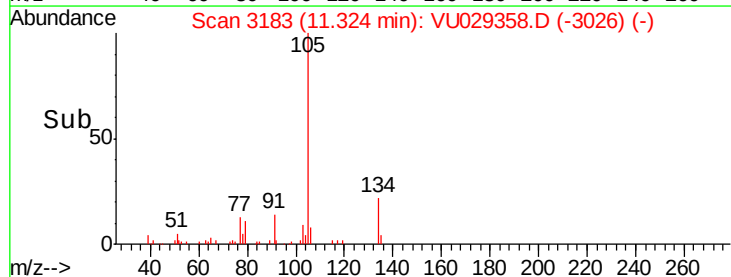
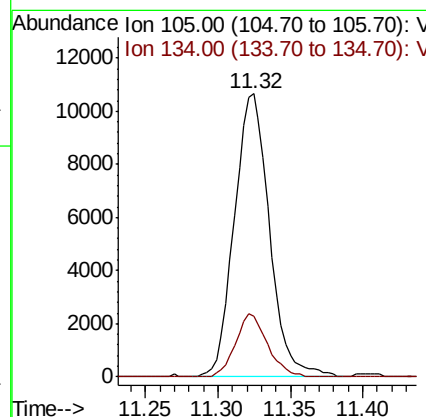
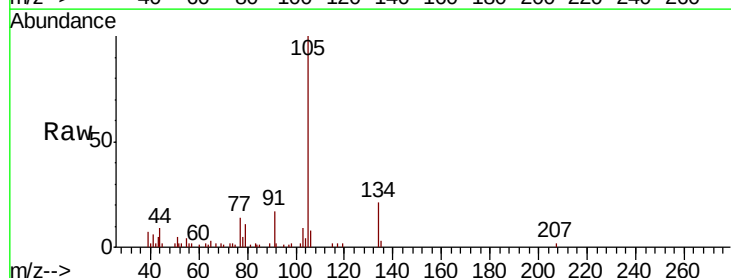
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL04

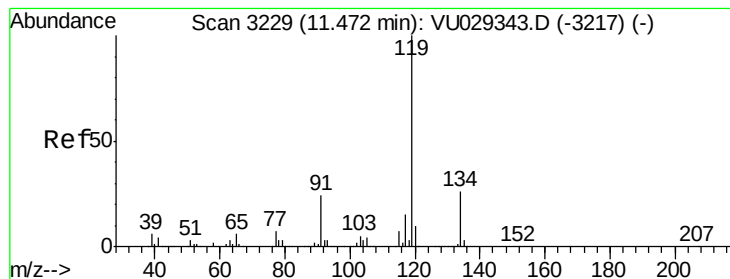
Tgt Ion:105 Resp: 14869
 Ion Ratio Lower Upper
 105 100
 120 42.8 21.4 64.3



#79
 sec-Butylbenzene
 Concen: 0.228 ug/l
 RT: 11.32 min Scan# 3183
 Delta R.T. 0.00 min
 Lab File: VU029358.D
 Acq: 06 Feb 2019 11:54

Tgt Ion:105 Resp: 17926
 Ion Ratio Lower Upper
 105 100
 134 20.2 15.0 22.6





#81

p-Isopropyltoluene

Concen: 0.231 ug/l

RT: 11.48 min Scan# 3230

Delta R.T. 0.00 min

Lab File: VU029358.D

Acq: 06 Feb 2019 11:54

Instrument :

MSVOA_U

ClientSampleId :

MDL04

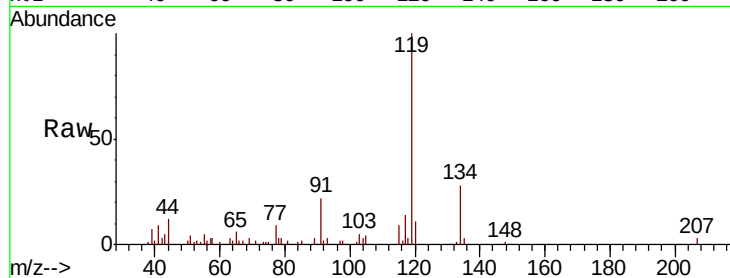
Tgt Ion:119 Resp: 15396

Ion Ratio Lower Upper

119 100

134 27.4 19.8 29.6

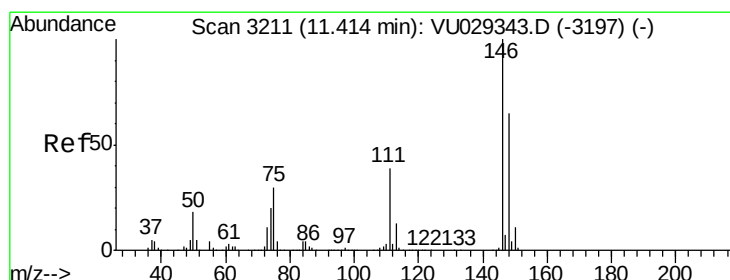
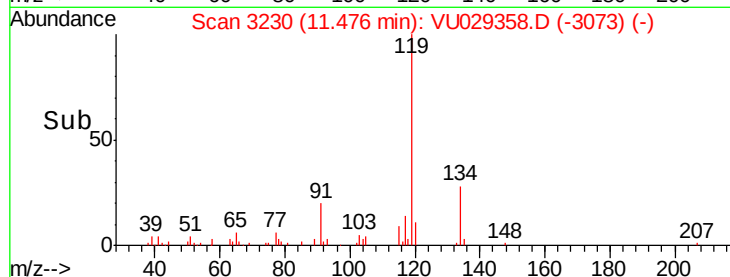
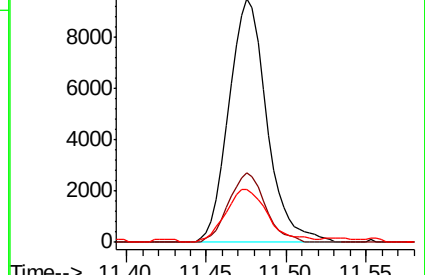
91 24.6 21.5 32.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0



#82

1,3-Dichlorobenzene

Concen: 0.238 ug/l

RT: 11.42 min Scan# 3213

Delta R.T. 0.01 min

Lab File: VU029358.D

Acq: 06 Feb 2019 11:54

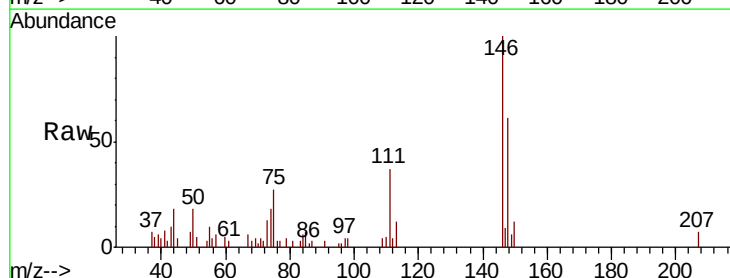
Tgt Ion:146 Resp: 7973

Ion Ratio Lower Upper

146 100

111 40.2 34.1 51.1

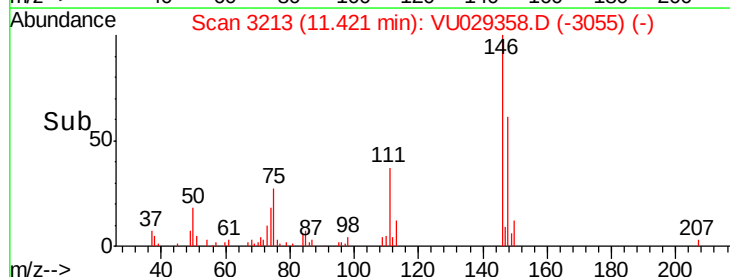
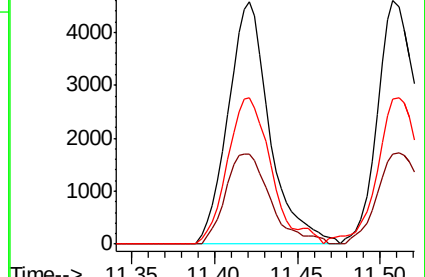
148 63.5 52.3 78.5

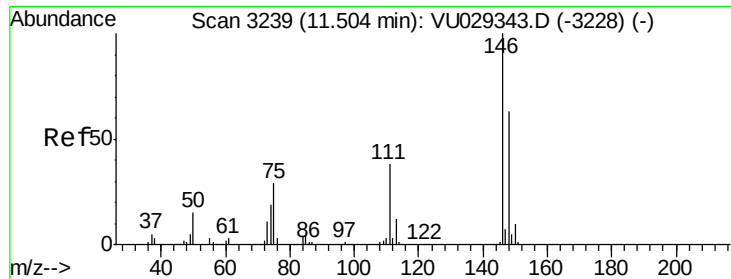


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

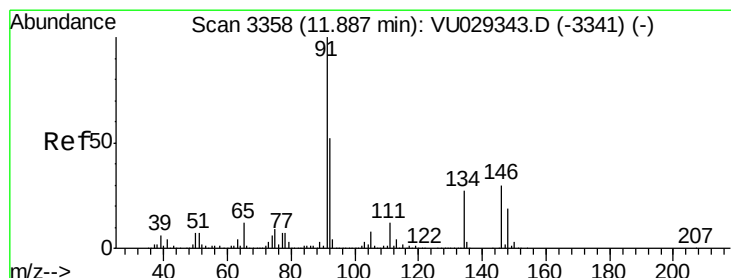
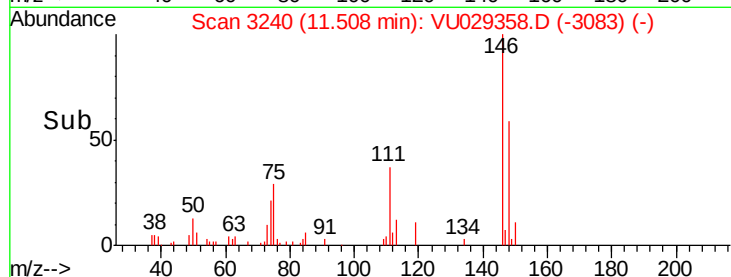
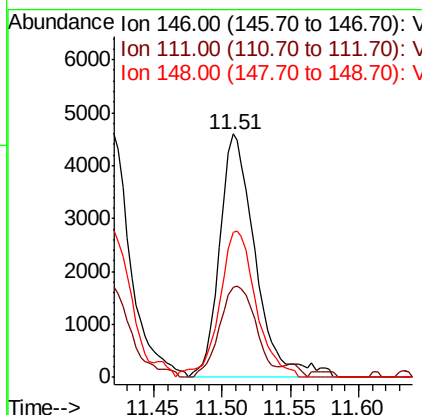
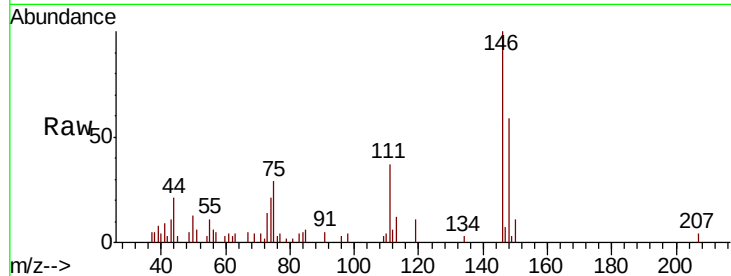




#83
 1,4-Dichlorobenzene
 Concen: 0.250 ug/l
 RT: 11.51 min Scan# 3240
 Delta R.T. 0.00 min
 Lab File: VU029358.D
 Acq: 06 Feb 2019 11:54

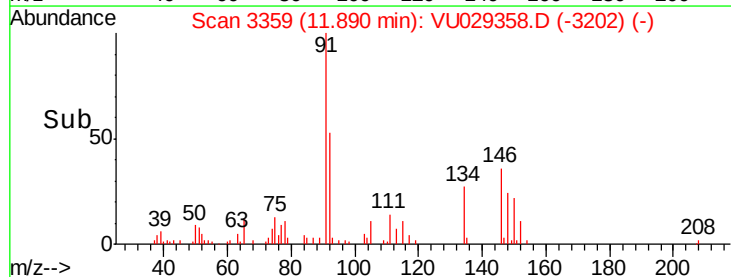
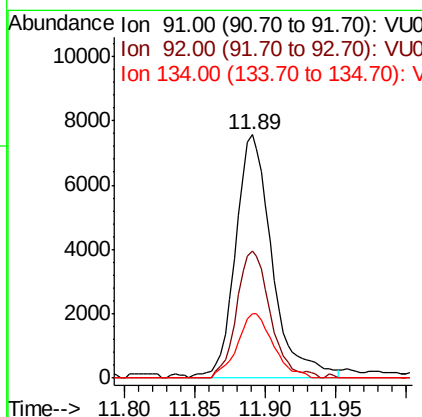
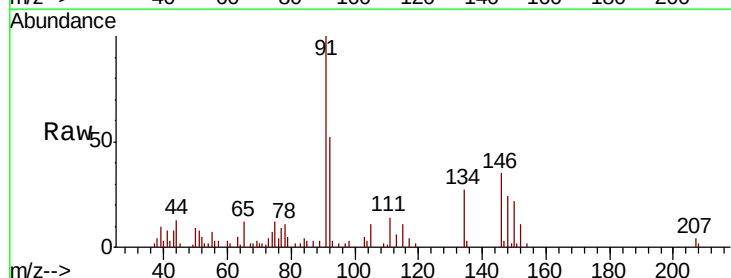
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL04

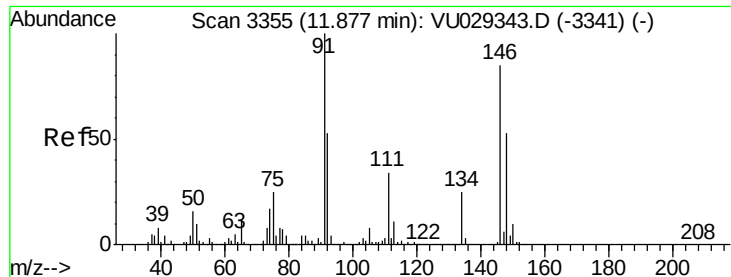
Tgt Ion: 146 Resp: 8359
 Ion Ratio Lower Upper
 146 100
 111 38.1 32.9 49.3
 148 61.4 51.8 77.6



#84
 n-Butylbenzene
 Concen: 0.226 ug/l
 RT: 11.89 min Scan# 3359
 Delta R.T. 0.00 min
 Lab File: VU029358.D
 Acq: 06 Feb 2019 11:54

Tgt Ion: 91 Resp: 13834
 Ion Ratio Lower Upper
 91 100
 92 47.8 41.0 61.6
 134 25.9 19.1 28.7

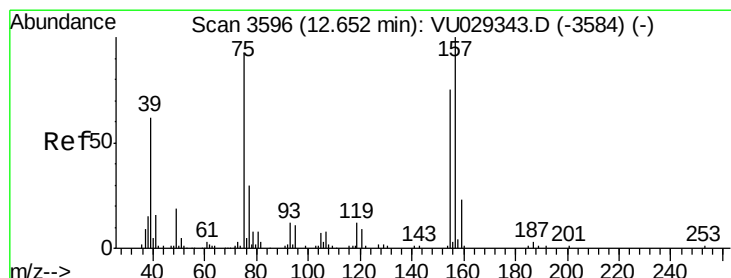
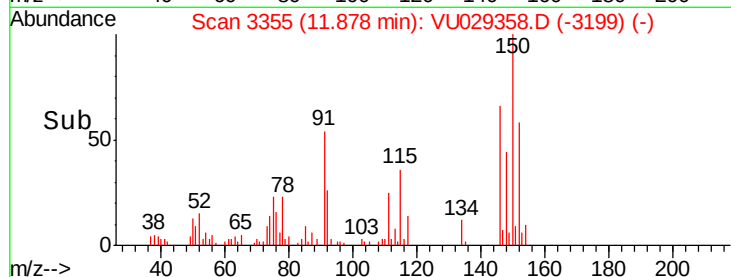
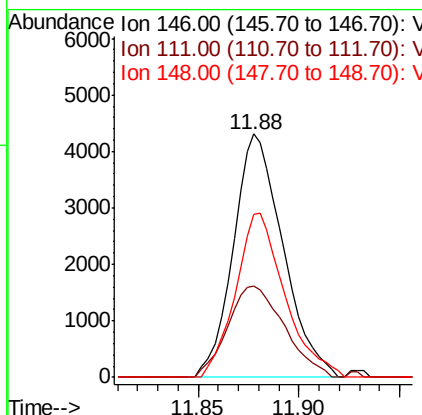
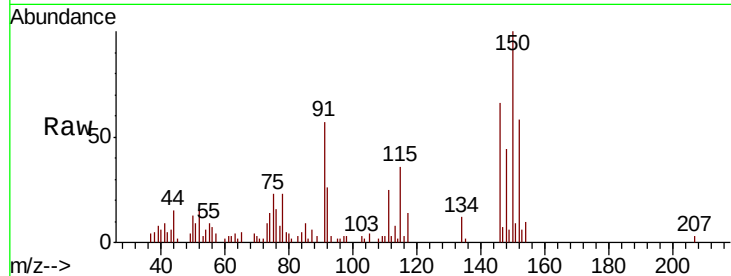




#85
 1,2-Dichlorobenzene
 Concen: 0.234 ug/l
 RT: 11.88 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VU029358.D
 Acq: 06 Feb 2019 11:54

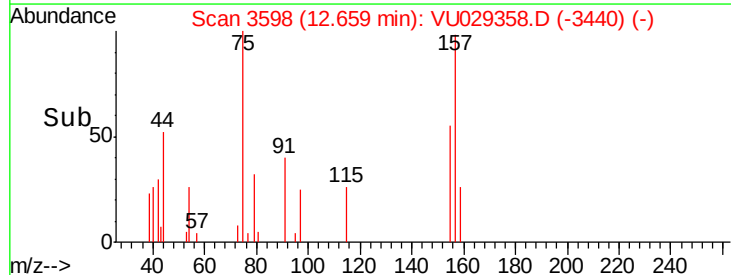
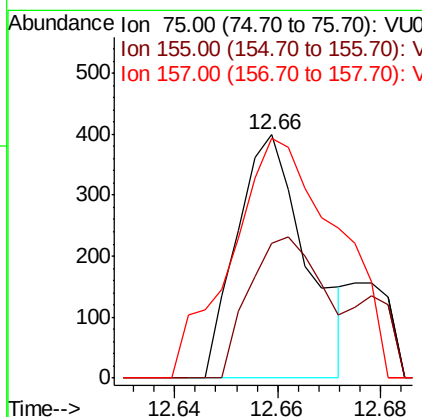
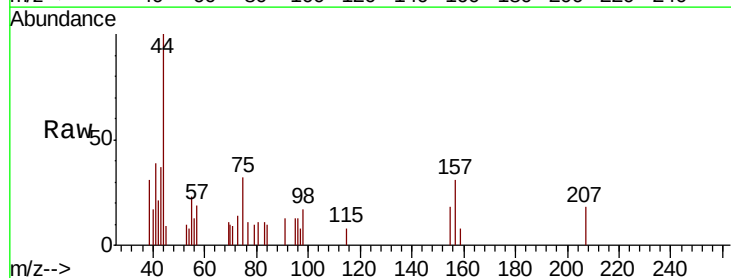
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL04

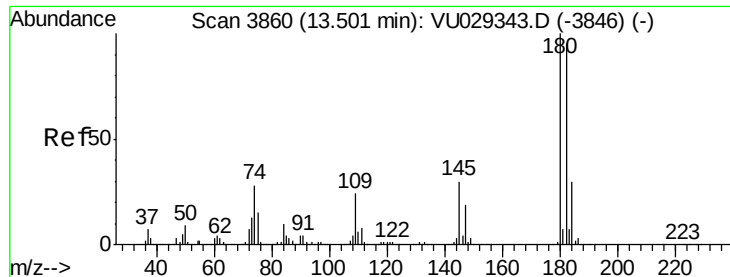
Tgt Ion: 146 Resp: 7408
 Ion Ratio Lower Upper
 146 100
 111 42.7 21.9 65.8
 148 67.0 31.8 95.3



#86
 1,2-Dibromo-3-Chloropropane
 Concen: 0.154 ug/l
 RT: 12.66 min Scan# 3598
 Delta R.T. 0.01 min
 Lab File: VU029358.D
 Acq: 06 Feb 2019 11:54

Tgt Ion: 75 Resp: 373
 Ion Ratio Lower Upper
 75 100
 155 80.7 53.8 80.8
 157 149.6 69.2 103.8#

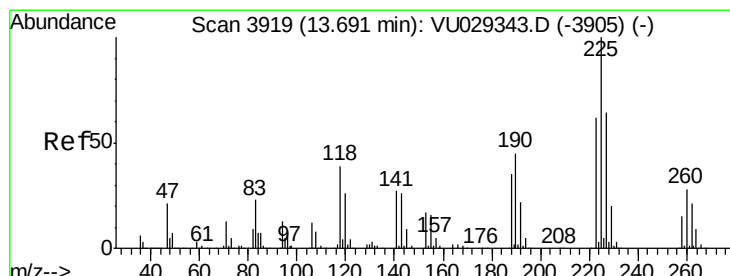
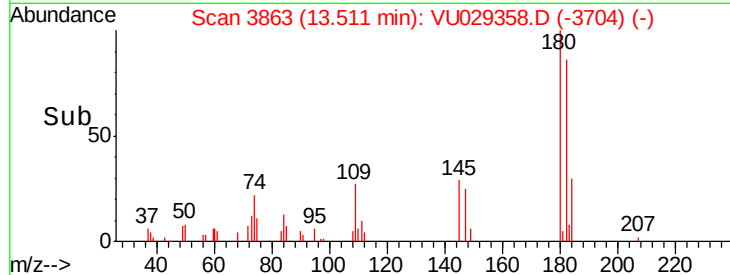
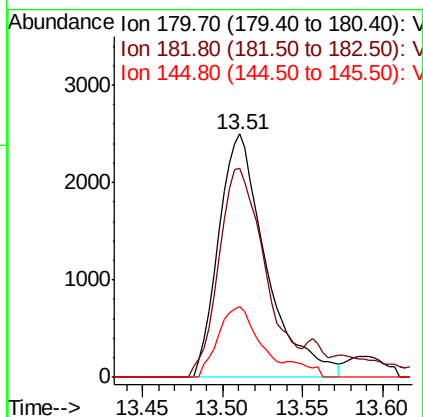
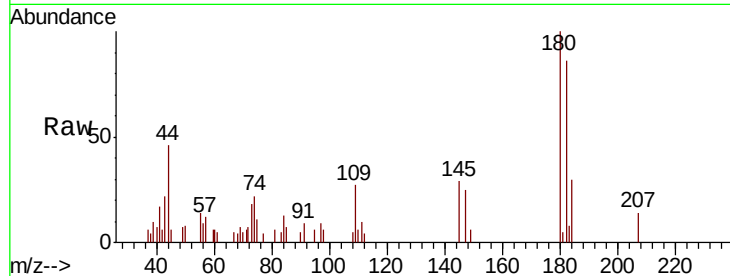




#87
 1,2,4-Trichlorobenzene
 Concen: 0.229 ug/l
 RT: 13.51 min Scan# 3863
 Delta R.T. 0.01 min
 Lab File: VU029358.D
 Acq: 06 Feb 2019 11:54

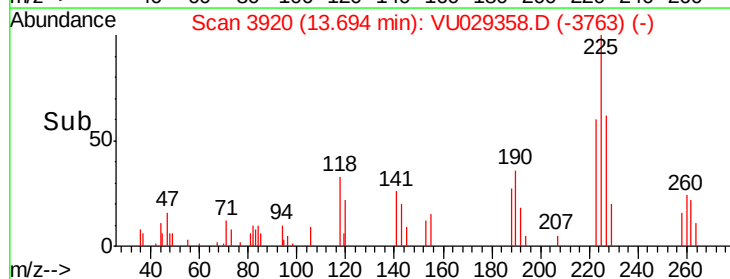
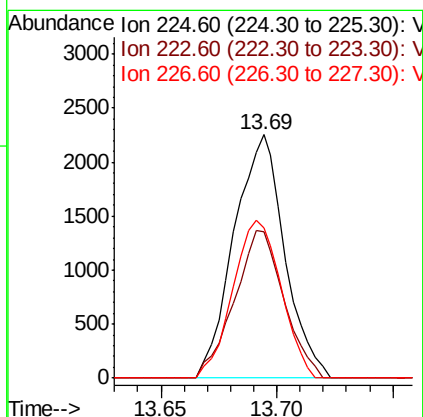
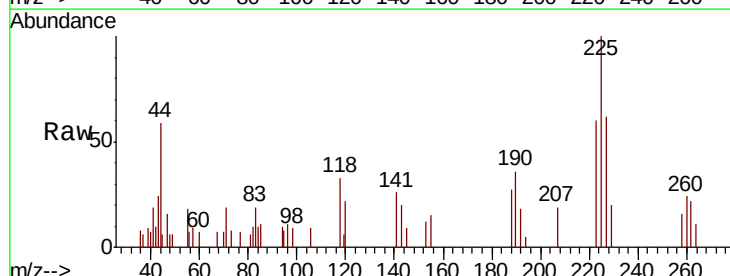
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL04

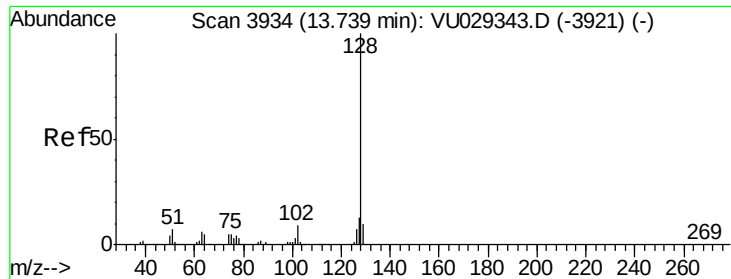
Tgt Ion:180 Resp: 5091
 Ion Ratio Lower Upper
 180 100
 182 83.7 76.6 114.8
 145 24.7 24.6 36.8



#88
 Hexachlorobutadiene
 Concen: 0.265 ug/l
 RT: 13.69 min Scan# 3920
 Delta R.T. 0.00 min
 Lab File: VU029358.D
 Acq: 06 Feb 2019 11:54

Tgt Ion:225 Resp: 3413
 Ion Ratio Lower Upper
 225 100
 223 59.1 49.5 74.3
 227 61.7 50.4 75.6

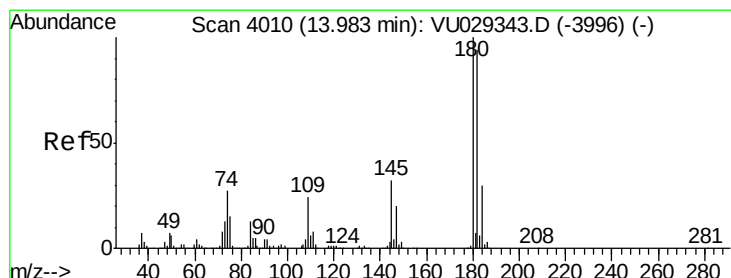
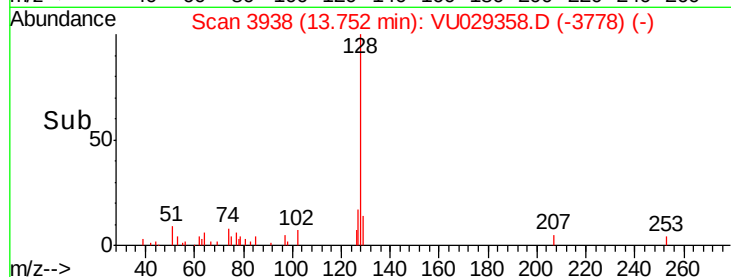
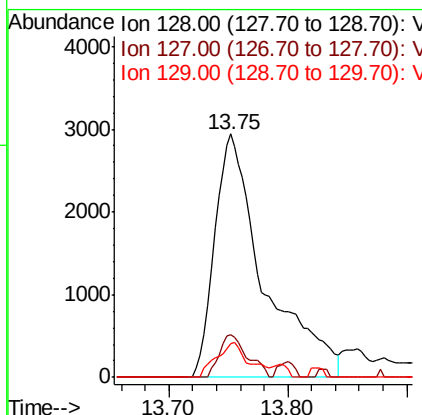
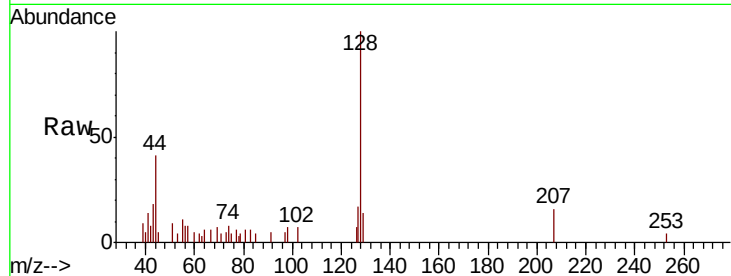




#89
Naphthalene
Concen: 0.224 ug/l
RT: 13.75 min Scan# 3938
Delta R.T. 0.01 min
Lab File: VU029358.D
Acq: 06 Feb 2019 11:54

Instrument :
MSVOA_U
ClientSampleId :
MDL04

Tgt Ion:128 Resp: 8450
Ion Ratio Lower Upper
128 100
127 9.9 10.7 16.1#
129 9.4 8.2 12.4



#90
1,2,3-Trichlorobenzene
Concen: 0.217 ug/l
RT: 13.99 min Scan# 4012
Delta R.T. 0.01 min
Lab File: VU029358.D
Acq: 06 Feb 2019 11:54

Tgt Ion:180 Resp: 4411
Ion Ratio Lower Upper
180 100
182 112.1 78.0 117.0
145 14.2 26.6 39.8#

