

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU020619\
 Data File : VU029357.D
 Acq On : 06 Feb 2019 11:19
 Operator : JC/SP
 Sample : MDL03
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL03

Quant Time: Feb 08 12:08:51 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	51573	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.31	95	18786	0.93	ug/l	0.00
Spiked Amount 1.000			Recovery	=	93.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	20863	1.01	ug/l	0.00
Spiked Amount 1.000			Recovery	=	101.00%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	5078	0.264 ug/l	98
3) Chloromethane	1.33	50	4879	0.277 ug/l	89
4) Vinyl Chloride	1.40	62	5111	0.248 ug/l	95
5) Bromomethane	1.63	94	3890	0.339 ug/l	87
6) Chloroethane	1.70	64	3355	0.279 ug/l	93
7) Trichlorofluoromethane	1.88	101	7225	0.251 ug/l	96
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	3881	0.255 ug/l	89
9) 1,1-Dichloroethene	2.28	96	4123	0.277 ug/l	67
10) Iodomethane	2.41	142	3863	0.468 ug/l #	83
11) Allyl Chloride	2.59	41	6144	0.246 ug/l	90
12) Acrylonitrile	2.93	53	703	0.211 ug/l #	1
14) Carbon Disulfide	2.48	76	13792	0.263 ug/l	100
15) Methylene Chloride	2.70	84	7112	0.394 ug/l #	73
16) trans-1,2-Dichloroethene	2.98	96	5224	0.314 ug/l #	77
17) 1,1-Dichloroethane	3.44	63	6260	0.237 ug/l #	88
18) 2-Butanone	4.28	43	3679	1.024 ug/l	93
19) Cyclohexane	4.98	56	5015	0.205 ug/l	93
20) Methylcyclohexane	6.41	83	6179	0.241 ug/l #	85
21) 2,2-Dichloropropane	4.22	77	7042	0.289 ug/l	96
22) cis-1,2-Dichloroethene	4.22	96	4487	0.286 ug/l	75
23) Diethyl Ether	2.10	59	3428	0.287 ug/l	90
24) tert-Butyl Alcohol	2.83	59	4660	3.753 ug/l #	80
25) Methyl tert-Butyl Ether	3.00	73	9820	0.234 ug/l #	61
26) Bromochloromethane	4.55	128	1841	0.266 ug/l	68
27) Chloroform	4.67	83	6178	0.241 ug/l	100
28) 1,1,1-Trichloroethane	4.91	97	5664	0.238 ug/l	94
29) 1,1-Dichloropropene	5.13	75	5198	0.252 ug/l #	85
30) Carbon Tetrachloride	5.13	117	5238	0.243 ug/l	96
31) Isopropyl Ether	3.58	45	10179	0.256 ug/l	99
32) Ethyl-t-butyl ether	4.07	59	9536	0.239 ug/l #	85
33) Tert-Amyl methyl ether	5.58	73	8875	0.246 ug/l #	93
34) Propionitrile	4.34	54	365	0.387 ug/l #	1
35) Benzene	5.39	78	13322	0.234 ug/l	96
36) 1,2-Dichloroethane	5.41	62	3614	0.209 ug/l #	95
37) Trichloroethene	6.18	130	4084	0.249 ug/l	94
38) 1,2-Dichloropropane	6.43	63	3499	0.236 ug/l	94
39) Methacrylonitrile	4.56	41	596	0.123 ug/l #	84
41) Tetrahydrofuran	4.66	42	1363	0.560 ug/l #	82
42) 1-Chlorobutane	5.06	56	5630	0.204 ug/l	94
43) Dibromomethane	6.56	93	1849	0.234 ug/l #	82
44) Bromodichloromethane	6.76	83	4586	0.228 ug/l	95

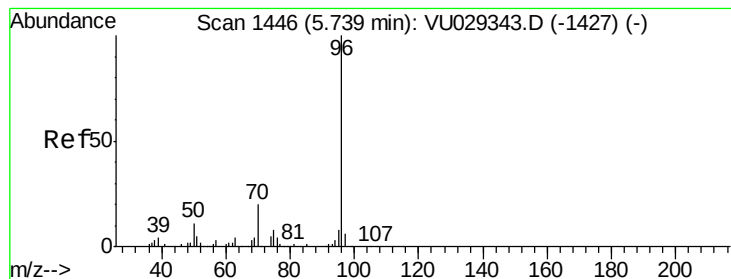
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU020619\
 Data File : VU029357.D
 Acq On : 06 Feb 2019 11:19
 Operator : JC/SP
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Instrument :
 MSVOA_U
 ClientSampleId :
 MDL03

Quant Time: Feb 08 12:08:51 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)
45) 4-Methyl-2-Pentanone	7.47	43	9776	1.054	ug/l #	85
46) t-1,4-Dichloro-2-butene	10.49	75	1618	0.358	ug/l #	16
47) Methyl methacrylate	6.63	69	2806	0.403	ug/l	85
48) Ethyl methacrylate	8.03	69	2879	0.193	ug/l	84
49) Toluene	7.64	92	8498	0.233	ug/l	96
50) t-1,3-Dichloropropene	7.89	75	4276	0.216	ug/l #	88
51) cis-1,3-Dichloropropene	7.27	75	5353	0.228	ug/l #	89
52) 1,1,2-Trichloroethane	8.07	97	2766	0.264	ug/l	92
53) 1,3-Dichloropropane	8.24	76	4108	0.223	ug/l	95
54) 2-Hexanone	8.38	43	7239	1.114	ug/l	87
55) Dibromochloromethane	8.48	129	3418	0.230	ug/l	96
56) 1,2-Dibromoethane	8.59	107	2643	0.246	ug/l	100
58) Tetrachloroethene	8.22	164	3999	0.263	ug/l	90
59) Chlorobenzene	9.12	112	9517	0.231	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.21	131	3577	0.235	ug/l	95
61) Pentachloroethane	11.10	117	2821	0.240	ug/l	96
62) Hexachloroethane	12.14	117	2768	0.215	ug/l	89
63) Ethyl Benzene	9.25	91	17394	0.244	ug/l #	88
64) m/p-Xylenes	9.38	106	12911	0.465	ug/l	93
65) o-Xylene	9.78	106	6313	0.232	ug/l	91
66) Styrene	9.79	104	10715	0.236	ug/l	94
67) Bromoform	9.96	173	2250	0.243	ug/l #	92
69) Isopropylbenzene	10.17	105	16465	0.226	ug/l	96
70) 1,1,2,2-Tetrachloroethane	10.46	83	2961	0.221	ug/l #	77
71) 1,2,3-Trichloropropane	10.49	75	1618	0.176	ug/l #	76
72) Bromobenzene	10.46	156	4399	0.249	ug/l	83
73) n-propylbenzene	10.59	120	5145	0.254	ug/l	71
74) 2-Chlorotoluene	10.67	126	4279	0.248	ug/l	74
75) 1,3,5-Trimethylbenzene	10.77	105	14403	0.230	ug/l	96
76) 4-Chlorotoluene	10.77	126	4347	0.243	ug/l	69
77) tert-Butylbenzene	11.10	119	14542	0.234	ug/l	95
78) 1,2,4-Trimethylbenzene	11.15	105	14844	0.234	ug/l	97
79) sec-Butylbenzene	11.32	105	19099	0.235	ug/l	96
80) Nitrobenzene	12.88	77	518	0.866	ug/l #	43
81) p-Isopropyltoluene	11.48	119	15897	0.231	ug/l	97
82) 1,3-Dichlorobenzene	11.42	146	8379	0.242	ug/l	98
83) 1,4-Dichlorobenzene	11.51	146	7876	0.228	ug/l	91
84) n-Butylbenzene	11.89	91	14323	0.227	ug/l	96
85) 1,2-Dichlorobenzene	11.88	146	7823	0.239	ug/l	94
86) 1,2-Dibromo-3-Chloropropan	12.67	75	606	0.242	ug/l #	79
87) 1,2,4-Trichlorobenzene	13.51	180	4850	0.211	ug/l	97
88) Hexachlorobutadiene	13.69	225	3398	0.255	ug/l	97
89) Naphthalene	13.75	128	7197	0.185	ug/l #	95
90) 1,2,3-Trichlorobenzene	13.99	180	5519	0.263	ug/l #	95

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.74 min Scan# 1446

Delta R.T. -0.00 min

Lab File: VU029357.D

Acq: 06 Feb 2019 11:19

Instrument :

MSVOA_U

ClientSampleId :

MDL03

Tgt Ion: 96 Resp: 51573

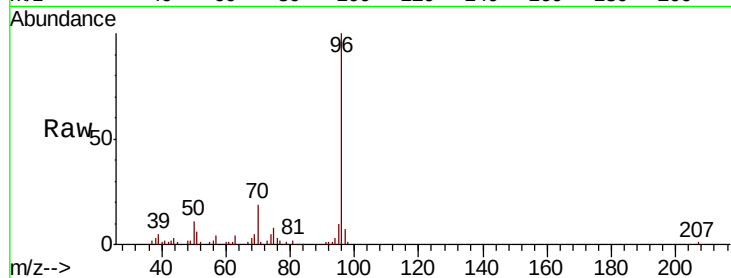
Ion Ratio Lower Upper

96 100

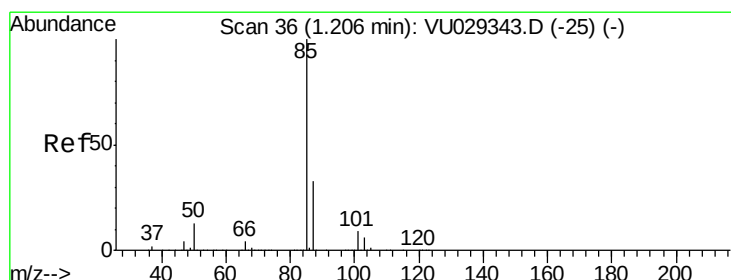
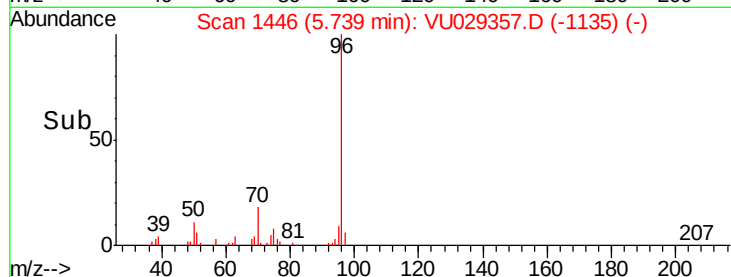
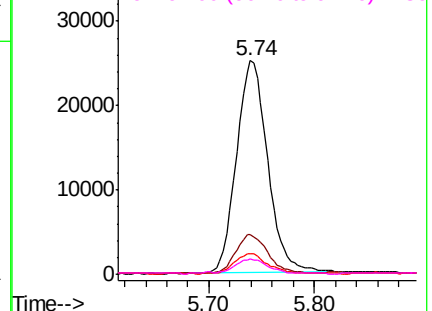
70 18.2 16.2 24.2

95 9.9 7.4 11.2

97 6.1 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: 0.264 ug/l

RT: 1.20 min Scan# 35

Delta R.T. -0.00 min

Lab File: VU029357.D

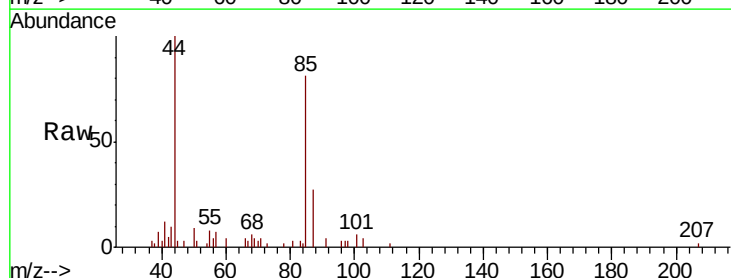
Acq: 06 Feb 2019 11:19

Tgt Ion: 85 Resp: 5078

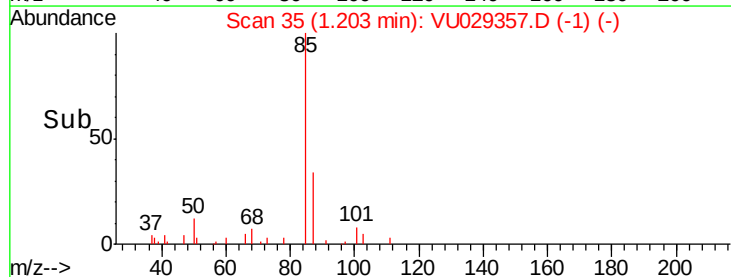
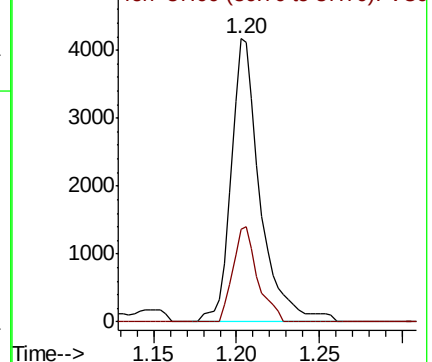
Ion Ratio Lower Upper

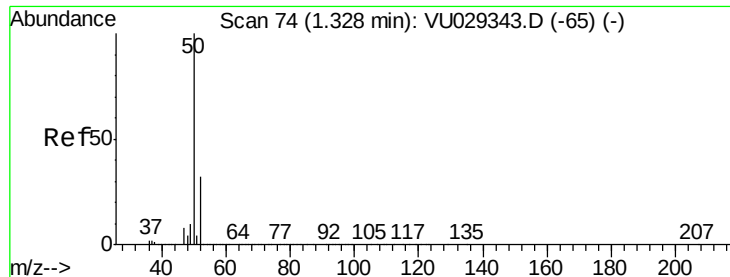
85 100

87 32.9 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: 0.277 ug/l

RT: 1.33 min Scan# 74

Delta R.T. -0.00 min

Lab File: VU029357.D

Acq: 06 Feb 2019 11:19

Instrument :

MSVOA_U

ClientSampleId :

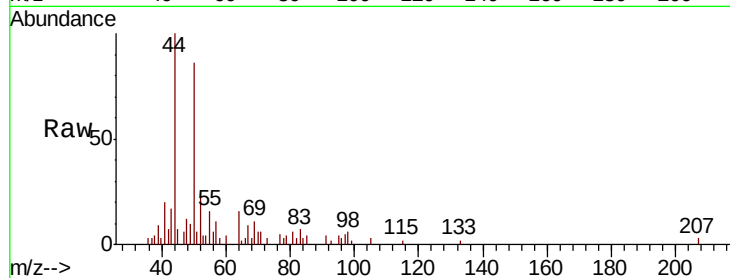
MDL03

Tgt Ion: 50 Resp: 4879

Ion Ratio Lower Upper

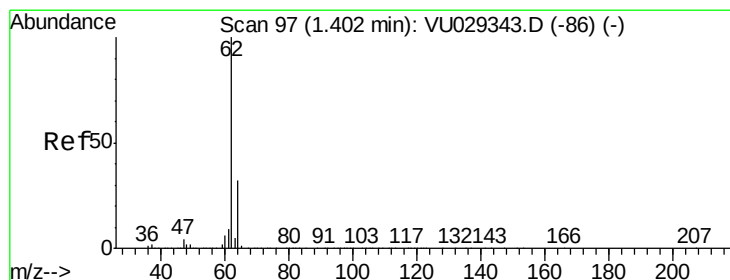
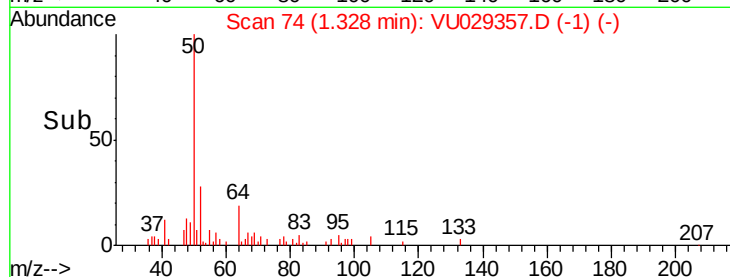
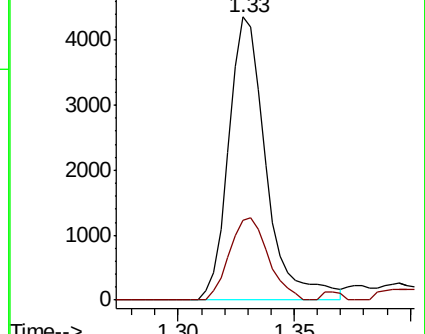
50 100

52 28.0 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: 0.248 ug/l

RT: 1.40 min Scan# 97

Delta R.T. -0.00 min

Lab File: VU029357.D

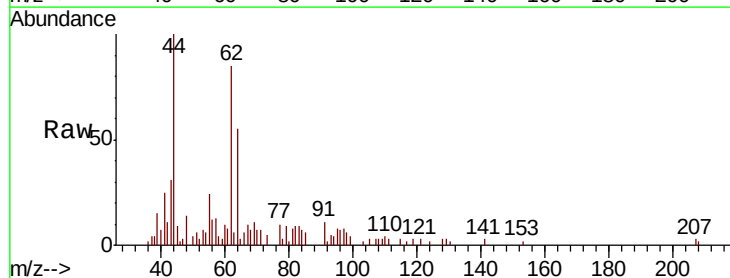
Acq: 06 Feb 2019 11:19

Tgt Ion: 62 Resp: 5111

Ion Ratio Lower Upper

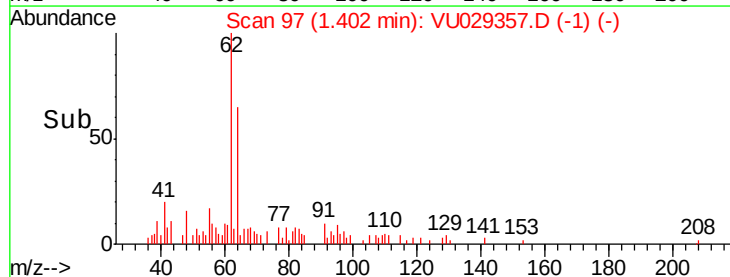
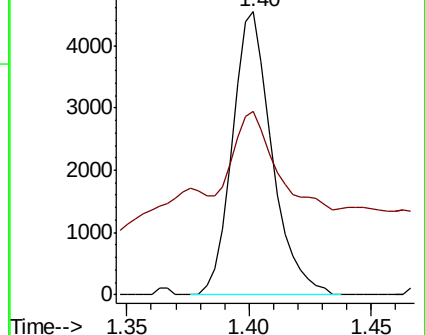
62 100

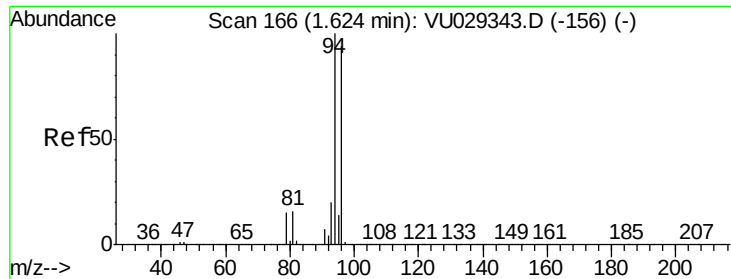
64 34.3 25.2 37.8



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0





#5

Bromomethane

Concen: 0.339 ug/l

RT: 1.63 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU029357.D

Acq: 06 Feb 2019 11:19

Instrument :

MSVOA_U

ClientSampleId :

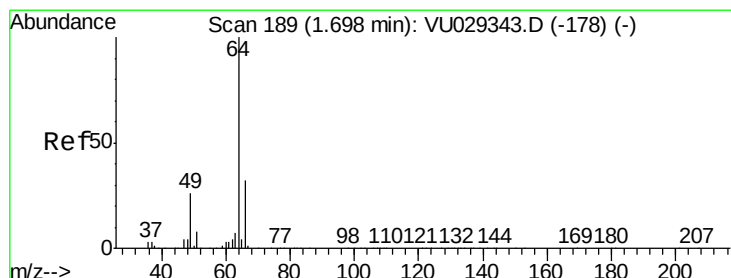
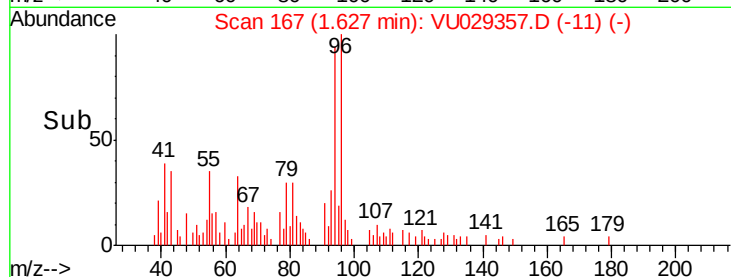
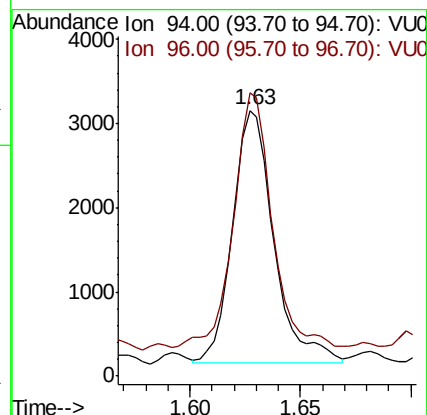
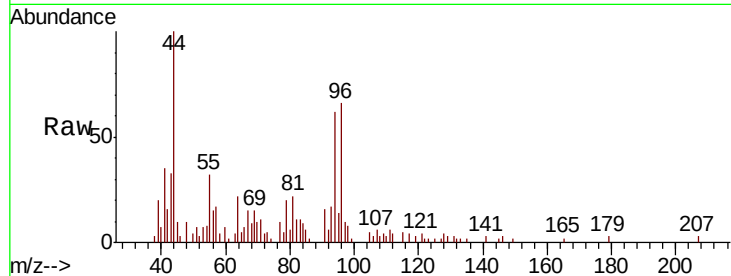
MDL03

Tgt Ion: 94 Resp: 3890

Ion Ratio Lower Upper

94 100

96 101.4 71.7 107.5



#6

Chloroethane

Concen: 0.279 ug/l

RT: 1.70 min Scan# 189

Delta R.T. -0.00 min

Lab File: VU029357.D

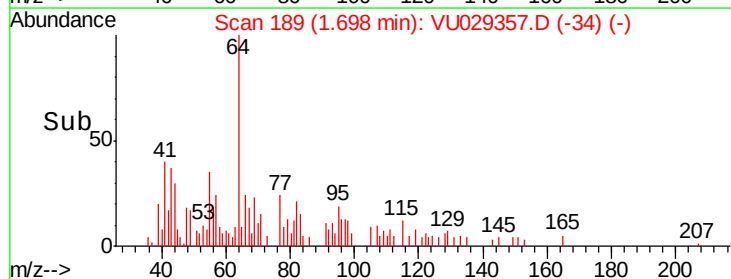
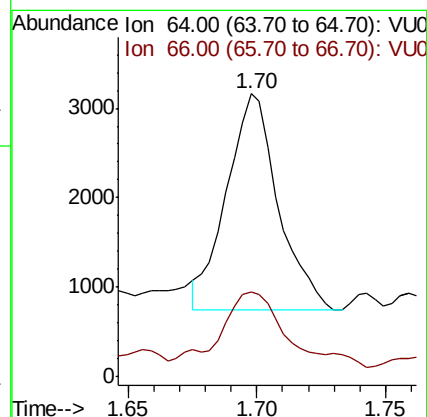
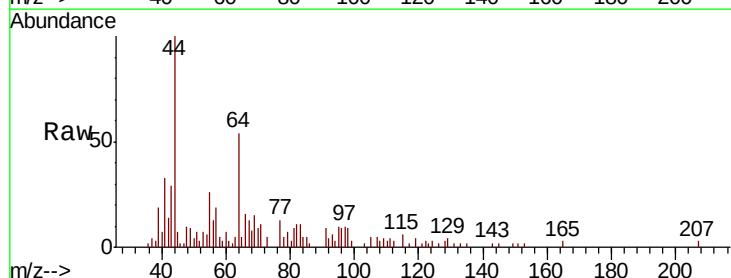
Acq: 06 Feb 2019 11:19

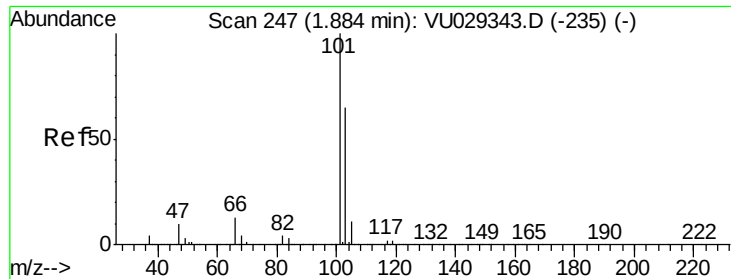
Tgt Ion: 64 Resp: 3355

Ion Ratio Lower Upper

64 100

66 29.2 26.3 39.5



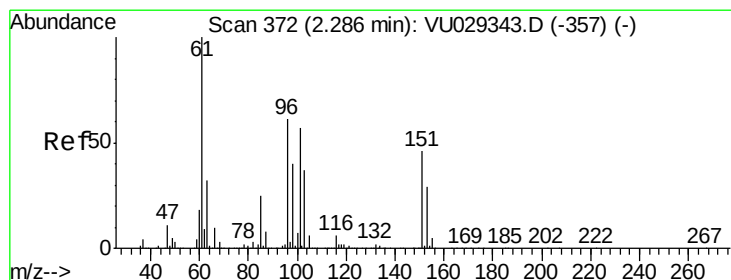
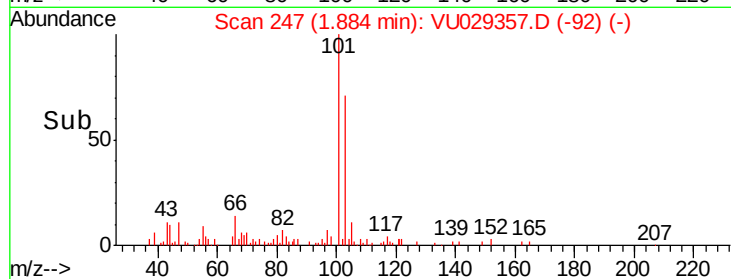
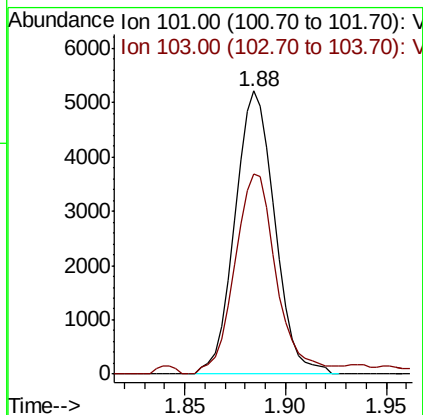
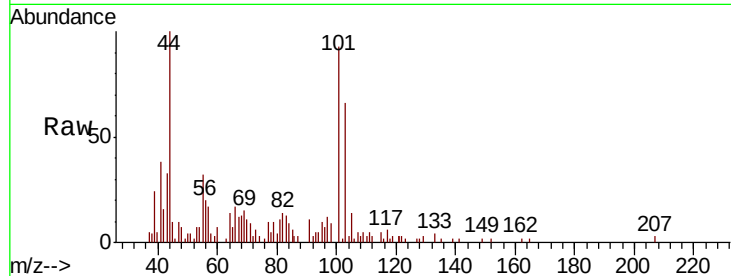


#7

Trichlorofluoromethane
 Concen: 0.251 ug/l
 RT: 1.88 min Scan# 247
 Delta R.T. -0.00 min
 Lab File: VU029357.D
 Acq: 06 Feb 2019 11:19

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL03

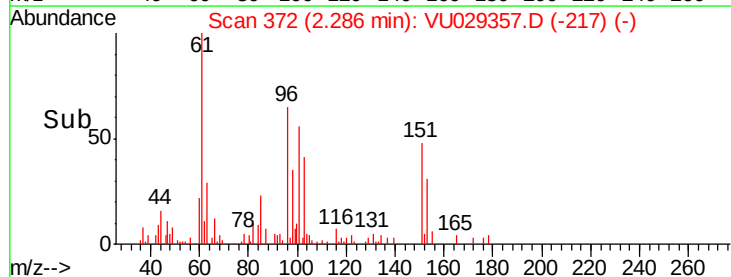
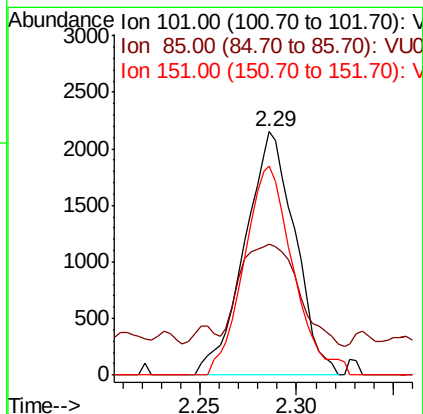
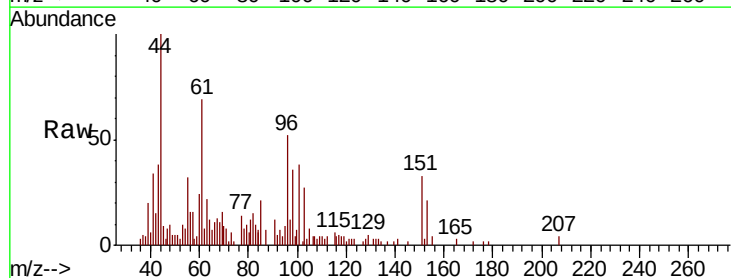
Tgt Ion:101 Resp: 7225
 Ion Ratio Lower Upper
 101 100
 103 70.8 53.9 80.9

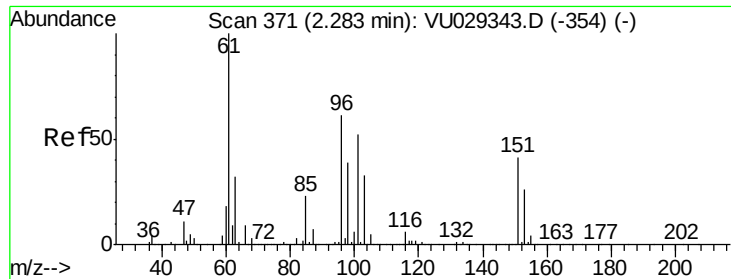


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.255 ug/l
 RT: 2.29 min Scan# 372
 Delta R.T. -0.00 min
 Lab File: VU029357.D
 Acq: 06 Feb 2019 11:19

Tgt Ion:101 Resp: 3881
 Ion Ratio Lower Upper
 101 100
 85 44.3 40.3 60.5
 151 83.6 58.1 87.1





#9

1,1-Dichloroethene

Concen: 0.277 ug/l

RT: 2.28 min Scan# 371

Delta R.T. -0.00 min

Lab File: VU029357.D

Acq: 06 Feb 2019 11:19

Instrument :

MSVOA_U

ClientSampleId :

MDL03

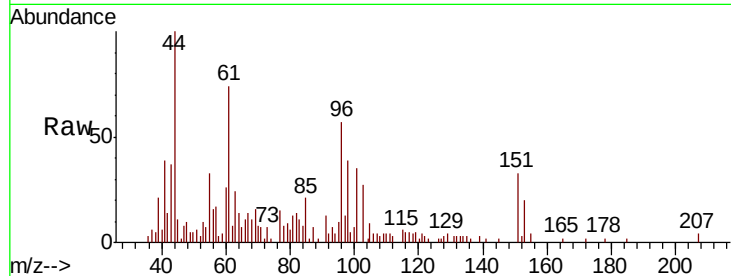
Tgt Ion: 96 Resp: 4123

Ion Ratio Lower Upper

96 100

61 148.2 0.0 641.4

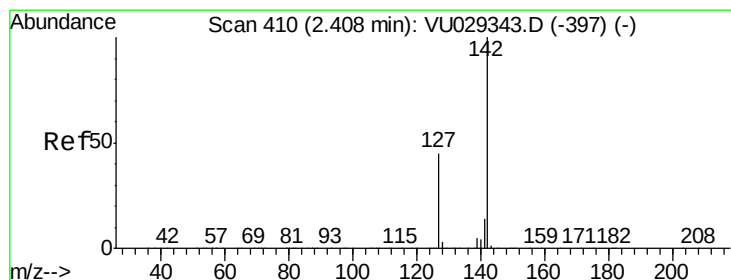
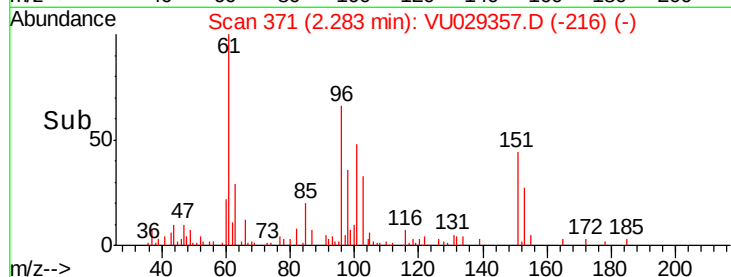
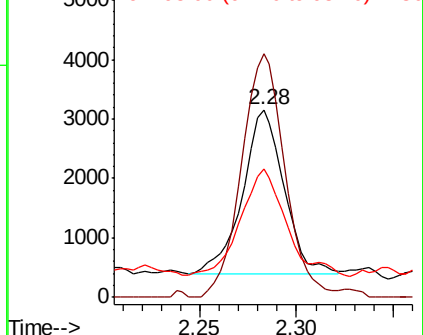
98 64.1 0.0 122.6



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: 0.468 ug/l

RT: 2.41 min Scan# 410

Delta R.T. 0.00 min

Lab File: VU029357.D

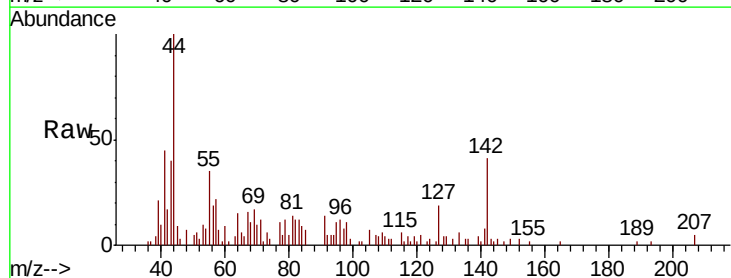
Acq: 06 Feb 2019 11:19

Tgt Ion: 142 Resp: 3863

Ion Ratio Lower Upper

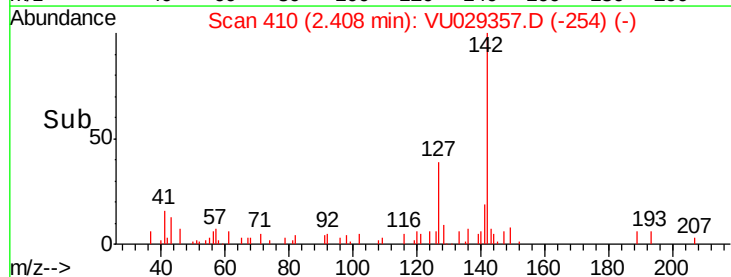
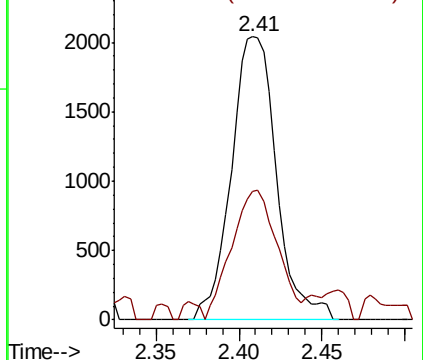
142 100

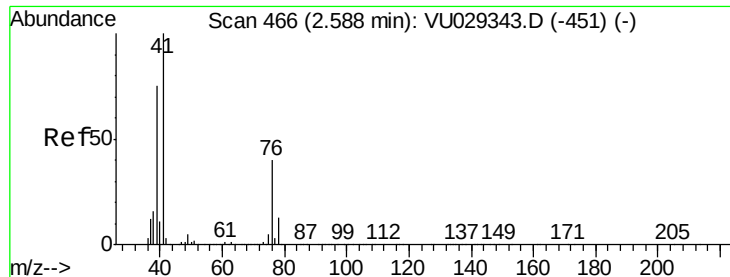
127 46.6 47.6 71.4#



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

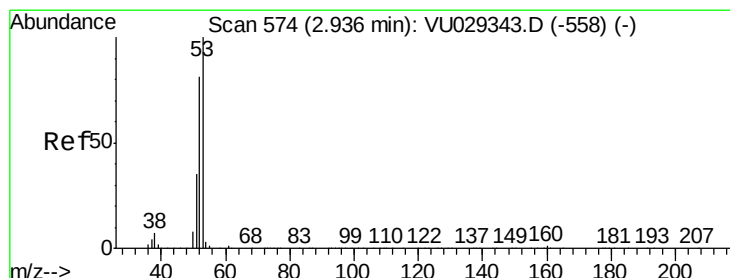
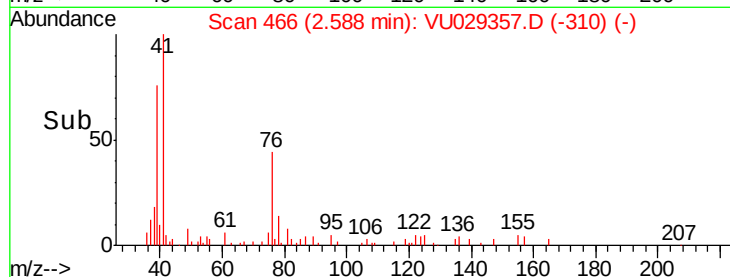
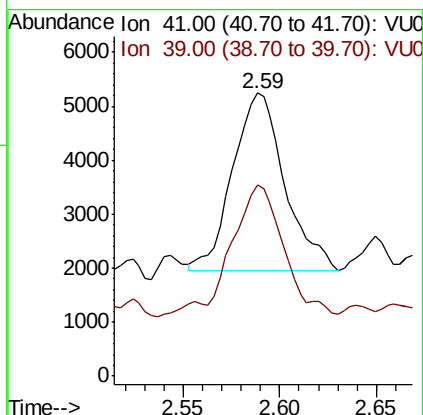
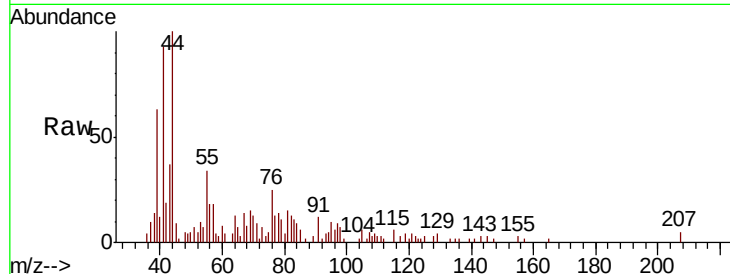




#11
 Allyl Chloride
 Concen: 0.246 ug/l
 RT: 2.59 min Scan# 466
 Delta R.T. -0.00 min
 Lab File: VU029357.D
 Acq: 06 Feb 2019 11:19

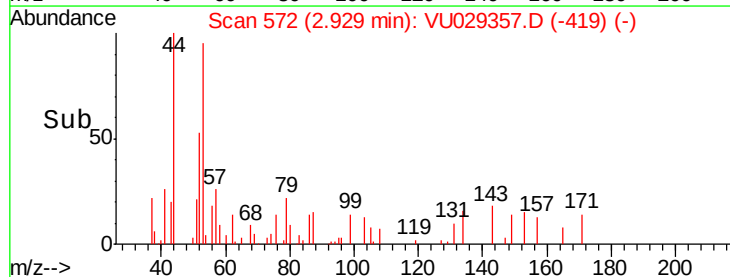
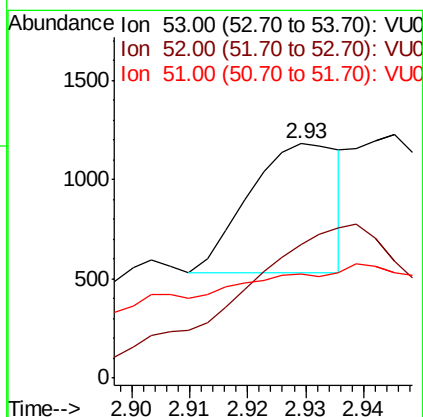
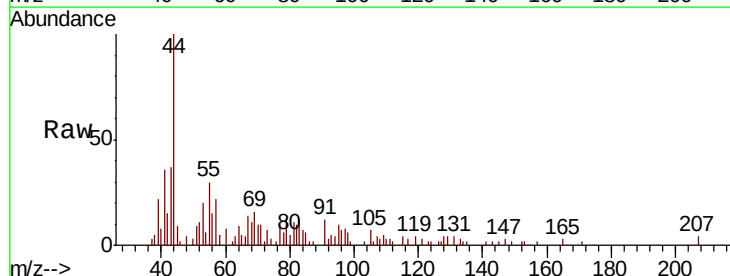
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL03

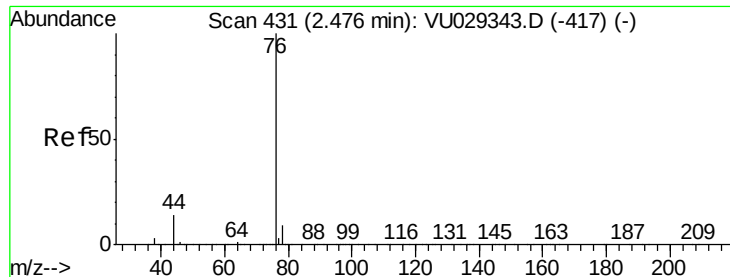
Tgt Ion: 41 Resp: 6144
 Ion Ratio Lower Upper
 41 100
 39 75.2 67.2 100.8



#12
 Acrylonitrile
 Concen: 0.211 ug/l
 RT: 2.93 min Scan# 572
 Delta R.T. -0.01 min
 Lab File: VU029357.D
 Acq: 06 Feb 2019 11:19

Tgt Ion: 53 Resp: 703
 Ion Ratio Lower Upper
 53 100
 52 305.1 67.6 101.4#
 51 74.3 31.0 46.4#





#14

Carbon Disulfide

Concen: 0.263 ug/l

RT: 2.48 min Scan# 431

Delta R.T. -0.00 min

Lab File: VU029357.D

Acq: 06 Feb 2019 11:19

Instrument :

MSVOA_U

ClientSampleId :

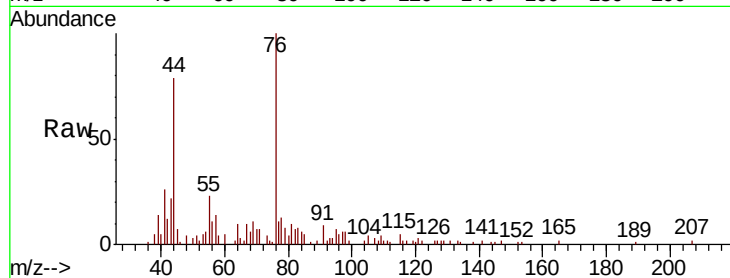
MDL03

Tgt Ion: 76 Resp: 13792

Ion Ratio Lower Upper

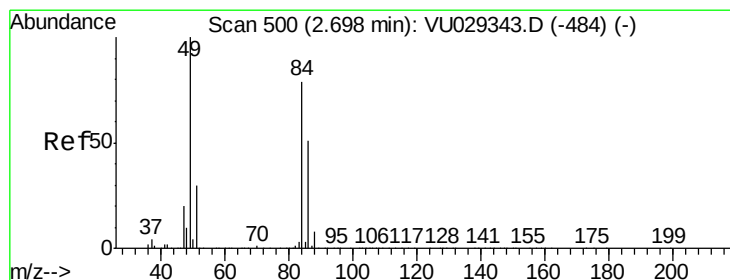
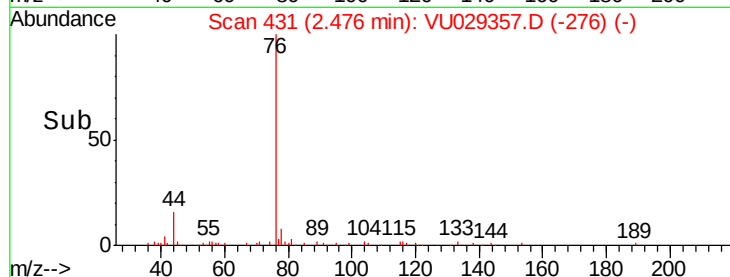
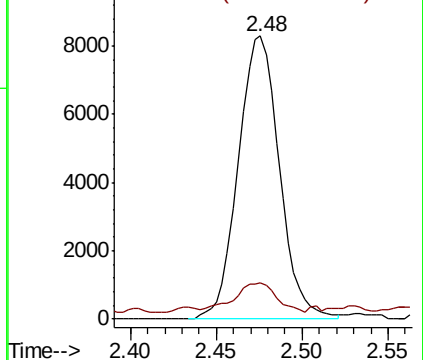
76 100

78 9.1 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0



#15

Methylene Chloride

Concen: 0.394 ug/l

RT: 2.70 min Scan# 500

Delta R.T. -0.00 min

Lab File: VU029357.D

Acq: 06 Feb 2019 11:19

Tgt Ion: 84 Resp: 7112

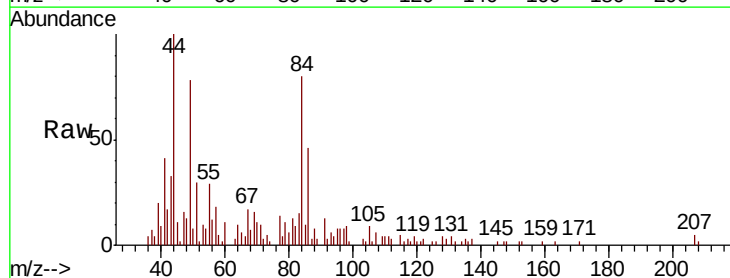
Ion Ratio Lower Upper

84 100

49 105.4 127.0 190.6#

51 34.7 0.0 93.4

86 62.5 50.6 75.8

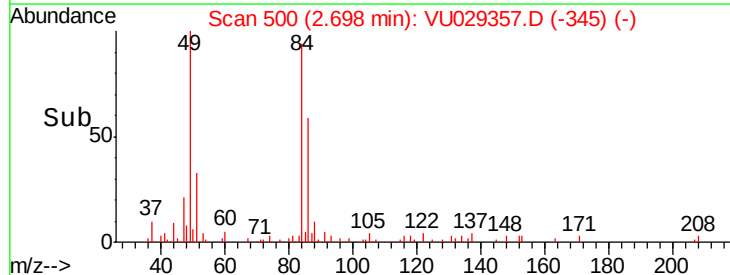
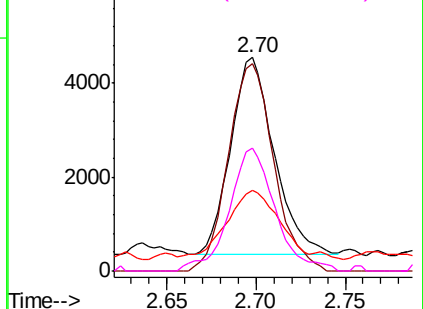


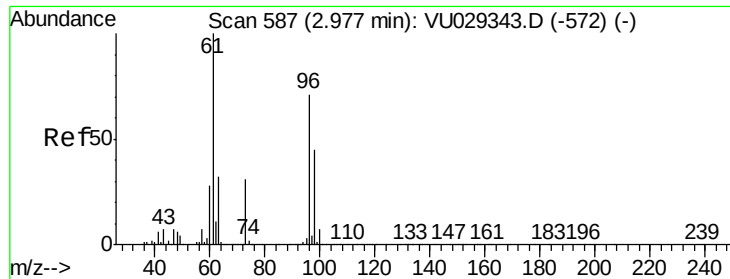
Abundance Ion 84.00 (83.70 to 84.70): VU0

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

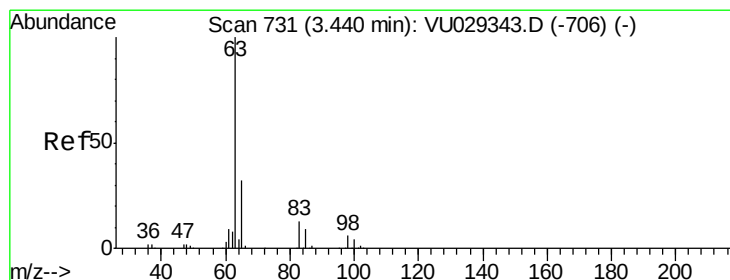
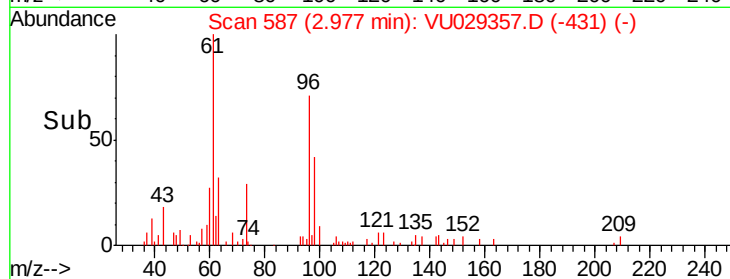
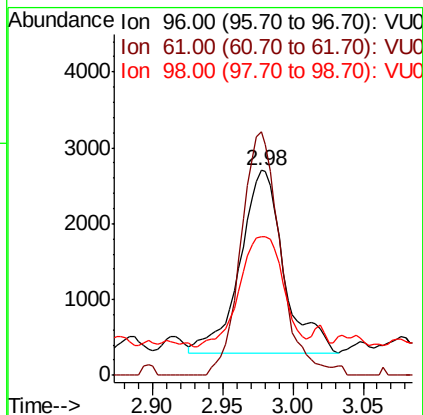
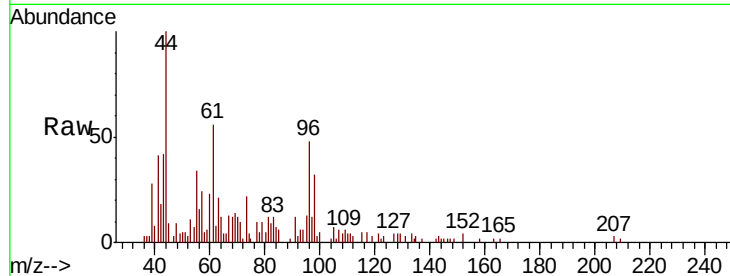




#16
trans-1,2-Dichloroethene
Concen: 0.314 ug/l
RT: 2.98 min Scan# 587
Delta R.T. -0.00 min
Lab File: VU029357.D
Acq: 06 Feb 2019 11:19

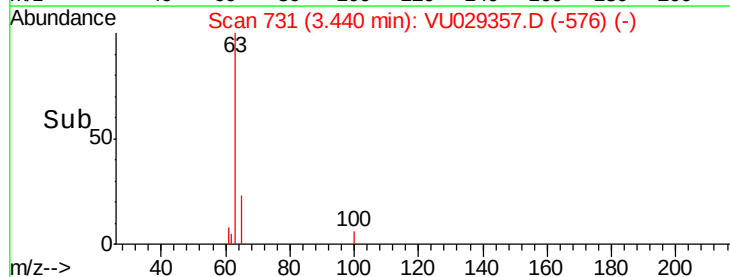
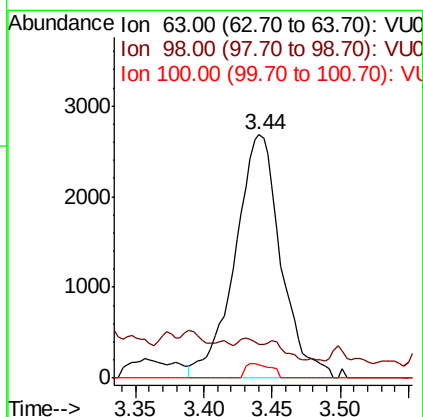
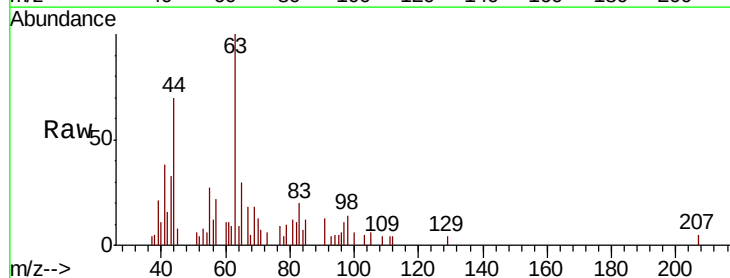
Instrument :
MSVOA_U
ClientSampleId :
MDL03

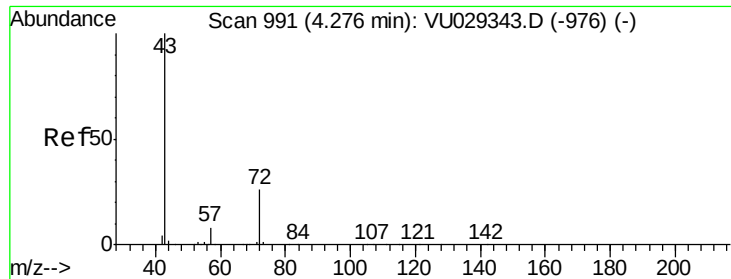
Tgt Ion: 96 Resp: 5224
Ion Ratio Lower Upper
96 100
61 133.5 140.6 210.8#
98 58.4 49.3 73.9



#17
1,1-Dichloroethane
Concen: 0.237 ug/l
RT: 3.44 min Scan# 731
Delta R.T. -0.00 min
Lab File: VU029357.D
Acq: 06 Feb 2019 11:19

Tgt Ion: 63 Resp: 6260
Ion Ratio Lower Upper
63 100
98 0.7 2.9 8.8#
100 5.6 1.7 5.1#

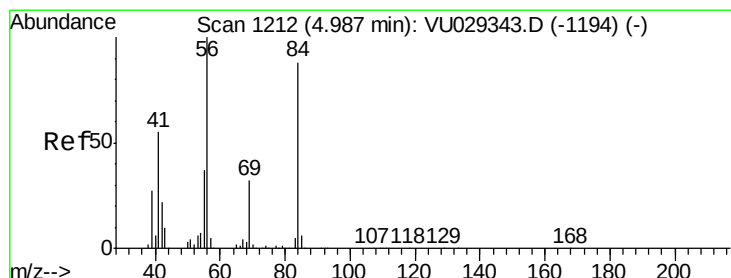
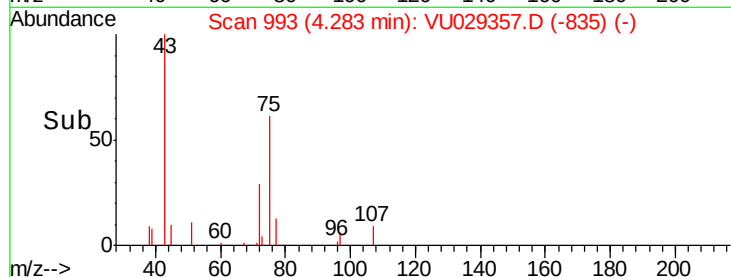
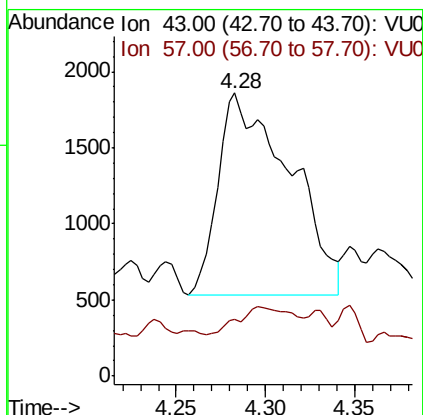
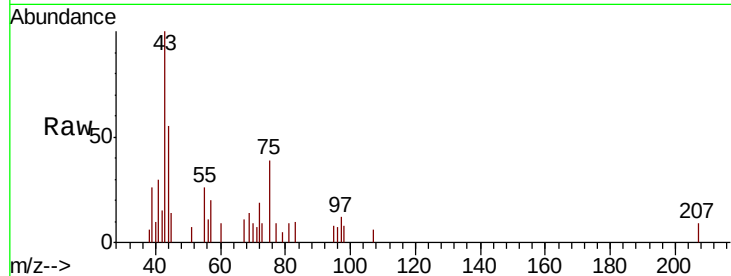




#18
2-Butanone
Concen: 1.024 ug/l
RT: 4.28 min Scan# 993
Delta R.T. 0.01 min
Lab File: VU029357.D
Acq: 06 Feb 2019 11:19

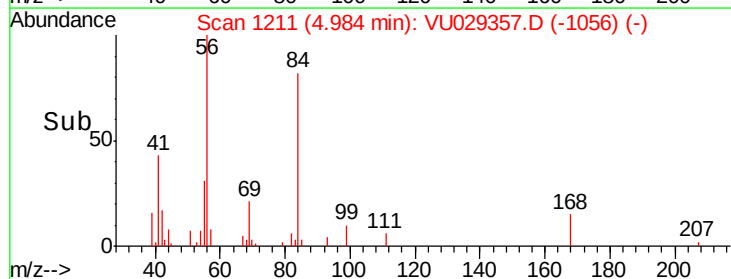
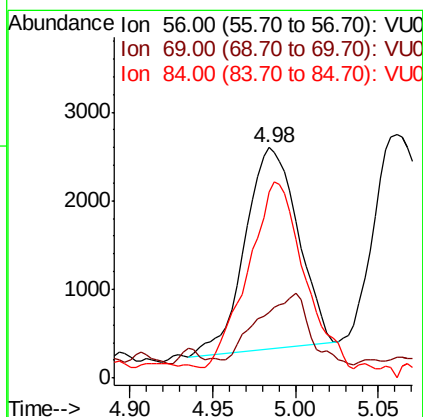
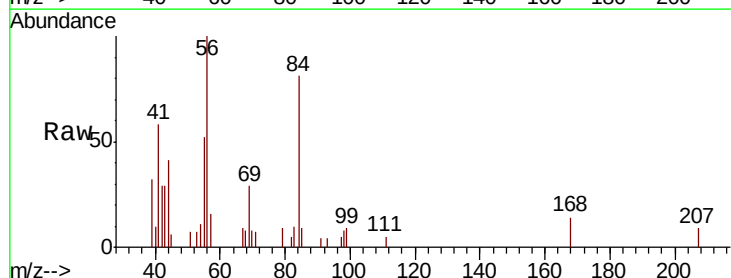
Instrument :
MSVOA_U
ClientSampled :
MDL03

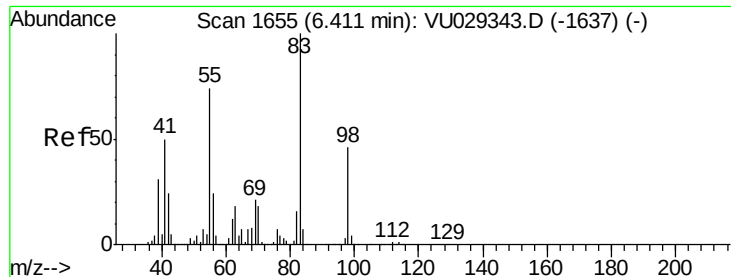
Tgt Ion: 43 Resp: 3679
Ion Ratio Lower Upper
43 100
57 5.4 0.0 15.8



#19
Cyclohexane
Concen: 0.205 ug/l
RT: 4.98 min Scan# 1211
Delta R.T. -0.00 min
Lab File: VU029357.D
Acq: 06 Feb 2019 11:19

Tgt Ion: 56 Resp: 5015
Ion Ratio Lower Upper
56 100
69 31.6 26.8 40.2
84 96.9 71.5 107.3





#20

Methylcyclohexane

Concen: 0.241 ug/l

RT: 6.41 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VU029357.D

Acq: 06 Feb 2019 11:19

Instrument :

MSVOA_U

ClientSampleId :

MDL03

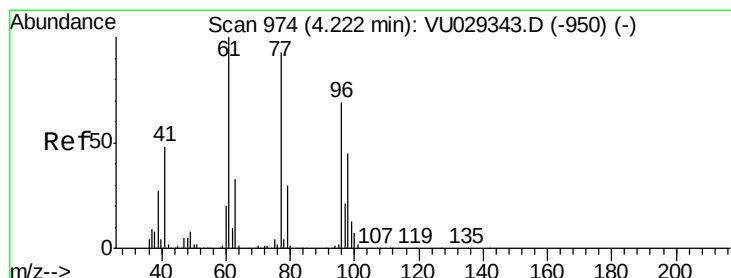
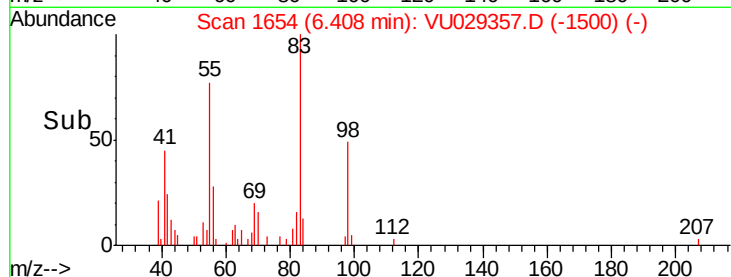
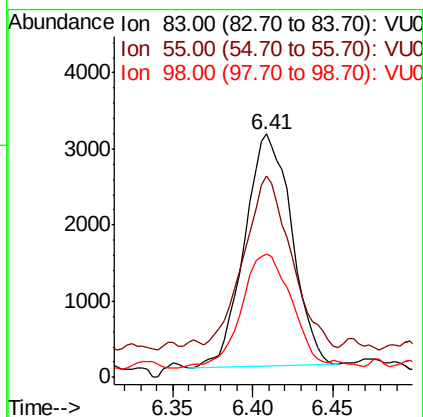
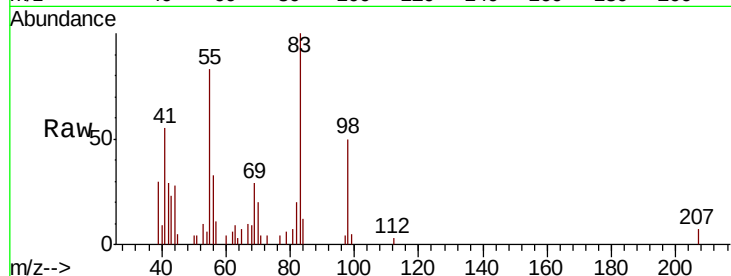
Tgt Ion: 83 Resp: 6179

Ion Ratio Lower Upper

83 100

55 71.7 72.4 108.6#

98 49.1 36.6 54.8



#21

2,2-Dichloropropane

Concen: 0.289 ug/l

RT: 4.22 min Scan# 974

Delta R.T. -0.00 min

Lab File: VU029357.D

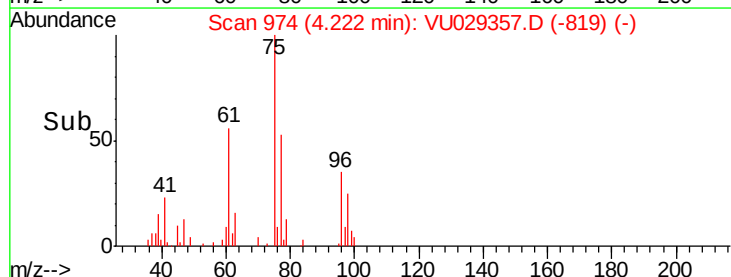
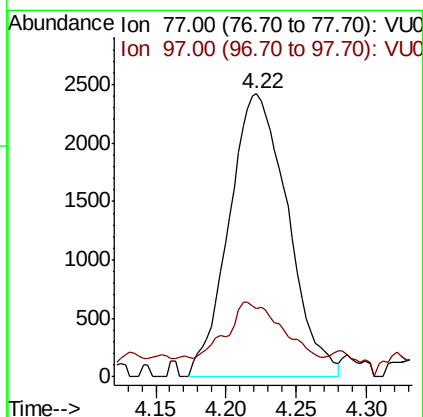
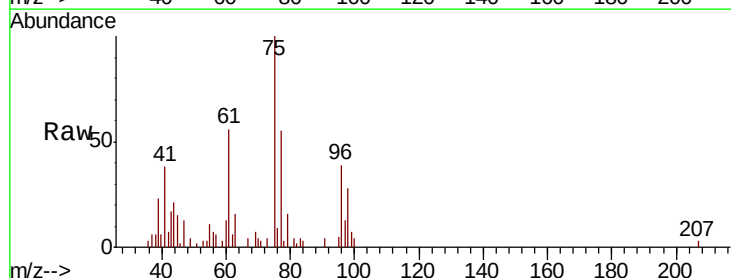
Acq: 06 Feb 2019 11:19

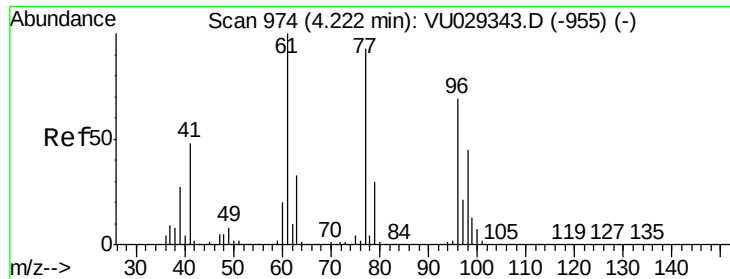
Tgt Ion: 77 Resp: 7042

Ion Ratio Lower Upper

77 100

97 17.6 15.6 23.4



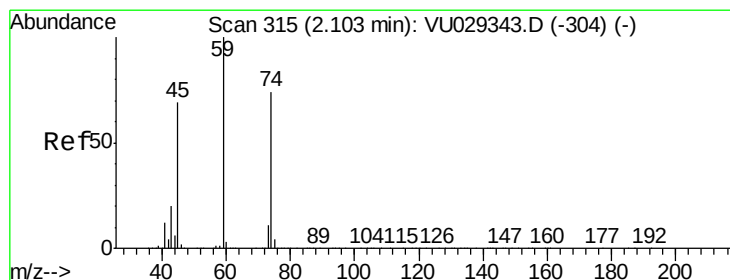
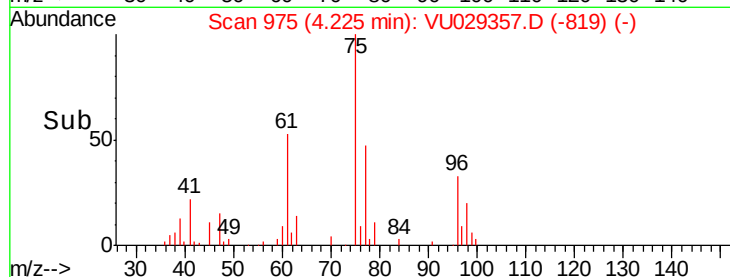
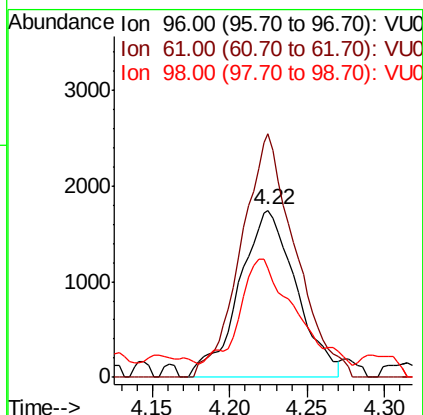
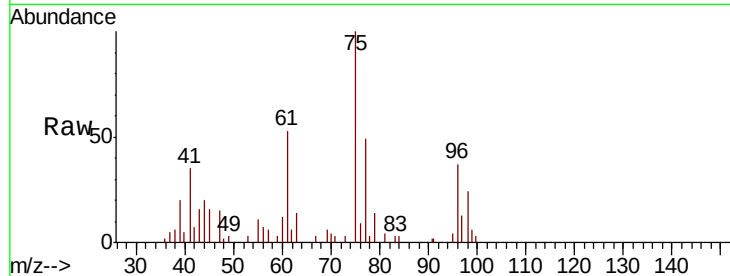


#22

cis-1,2-Dichloroethene
 Concen: 0.286 ug/l
 RT: 4.22 min Scan# 975
 Delta R.T. 0.00 min
 Lab File: VU029357.D
 Acq: 06 Feb 2019 11:19

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL03

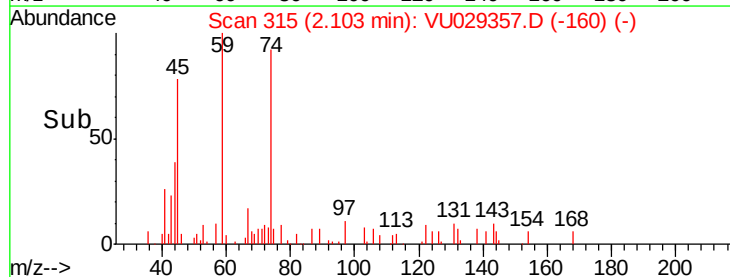
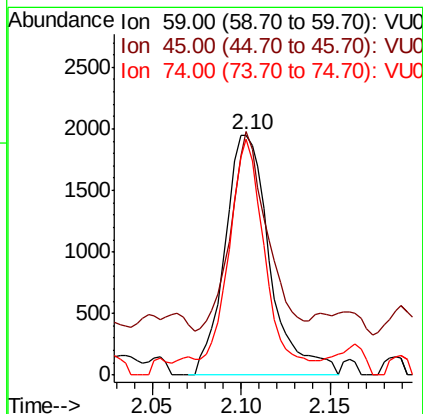
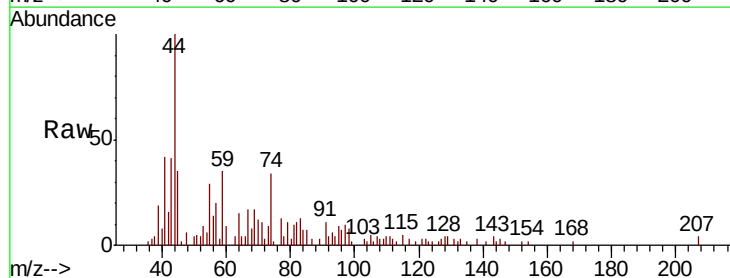
Tgt Ion: 96 Resp: 4487
 Ion Ratio Lower Upper
 96 100
 61 138.4 0.0 460.0
 98 59.1 32.6 97.7

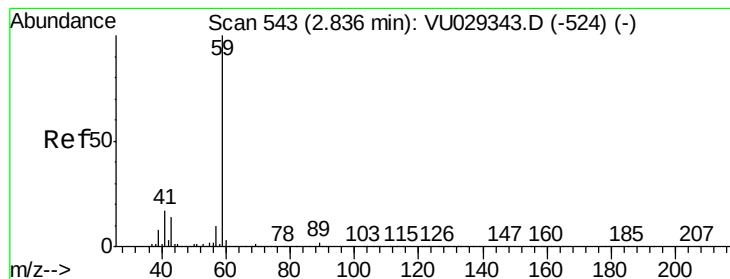


#23

Diethyl Ether
 Concen: 0.287 ug/l
 RT: 2.10 min Scan# 315
 Delta R.T. -0.00 min
 Lab File: VU029357.D
 Acq: 06 Feb 2019 11:19

Tgt Ion: 59 Resp: 3428
 Ion Ratio Lower Upper
 59 100
 45 66.0 64.2 96.4
 74 72.0 55.3 82.9





#24

tert-Butyl Alcohol

Concen: 3.753 ug/l

RT: 2.83 min Scan# 542

Delta R.T. -0.00 min

Lab File: VU029357.D

Acq: 06 Feb 2019 11:19

Instrument :

MSVOA_U

ClientSampleId :

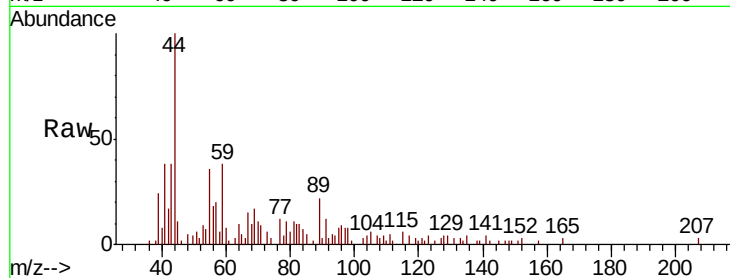
MDL03

Tgt Ion: 59 Resp: 4660

Ion Ratio Lower Upper

59 100

57 3.5 8.8 13.2#



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

2500

2000

1500

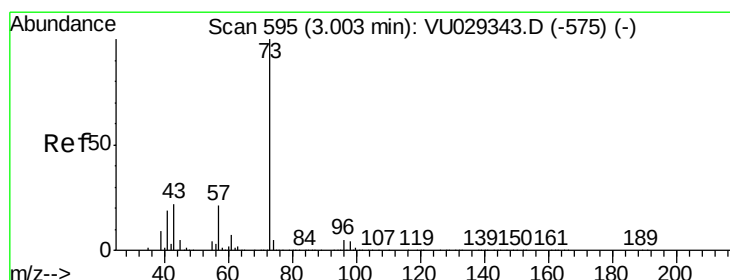
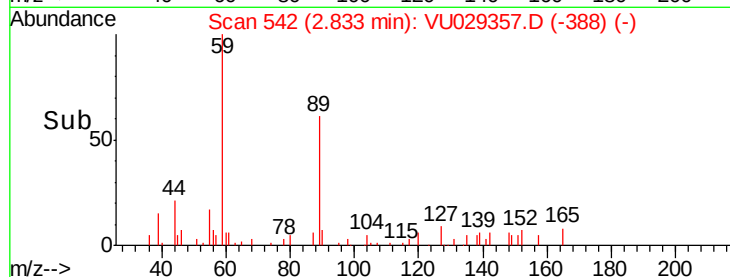
1000

500

0

2.75 2.80 2.85 2.90

Time-->



#25

Methyl tert-Butyl Ether

Concen: 0.234 ug/l

RT: 3.00 min Scan# 595

Delta R.T. -0.00 min

Lab File: VU029357.D

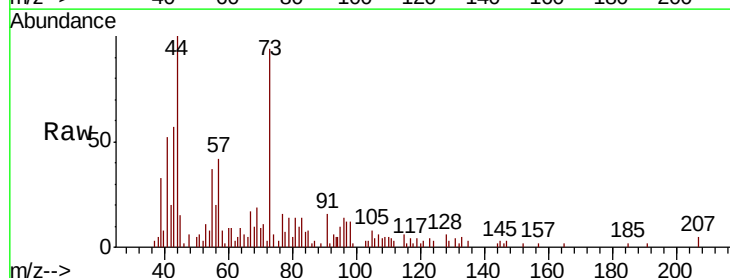
Acq: 06 Feb 2019 11:19

Tgt Ion: 73 Resp: 9820

Ion Ratio Lower Upper

73 100

43 7.4 22.1 33.1#



Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

5000

4000

3000

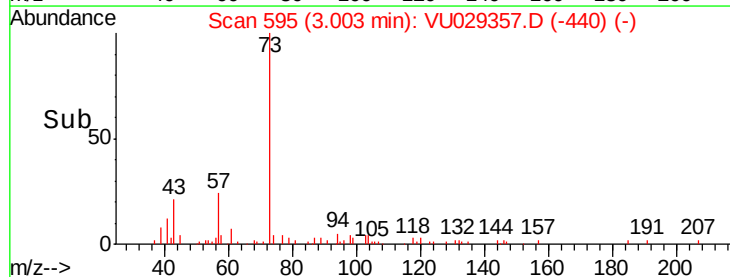
2000

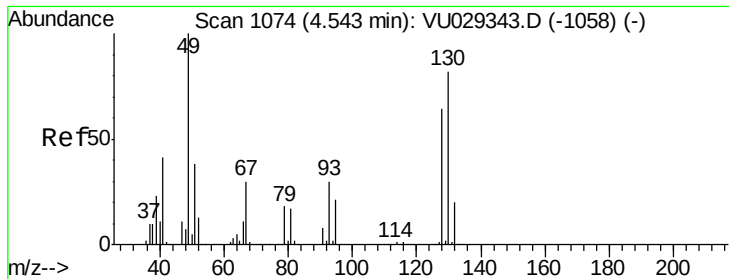
1000

0

2.95 3.00 3.05

Time-->

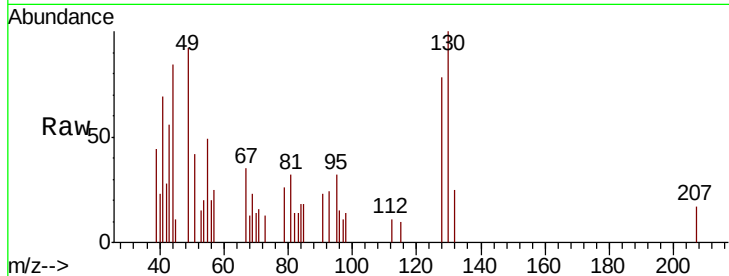




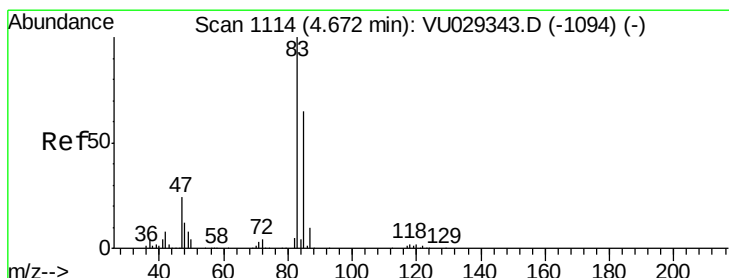
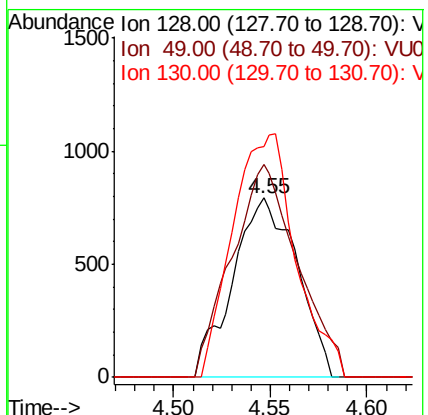
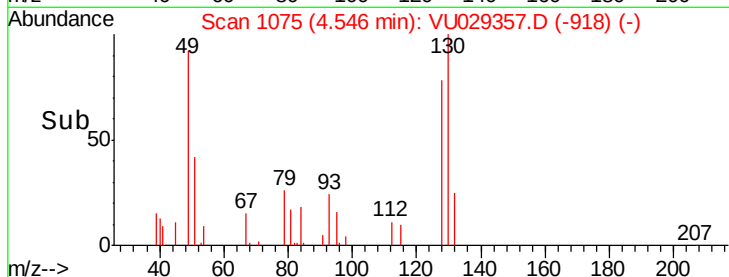
#26
Bromochloromethane
Concen: 0.266 ug/l
RT: 4.55 min Scan# 1075
Delta R.T. 0.00 min
Lab File: VU029357.D
Acq: 06 Feb 2019 11:19

Instrument :
MSVOA_U
ClientSampleId :
MDL03

Tgt Ion:128 Resp: 1841
Ion Ratio Lower Upper
128 100
49 121.2 0.0 401.6
130 133.0 108.0 162.0

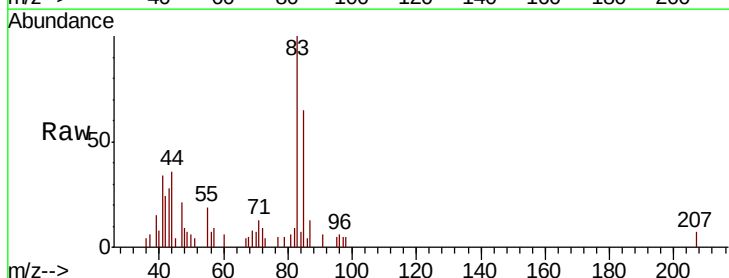


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VU0
Ion 130.00 (129.70 to 130.70): V

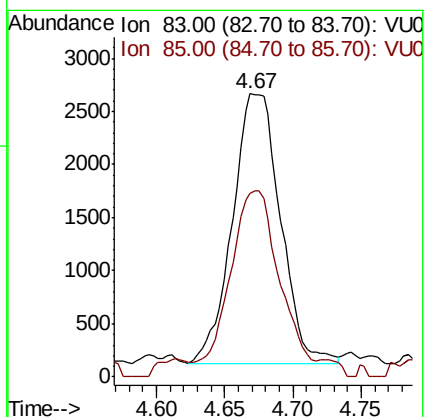
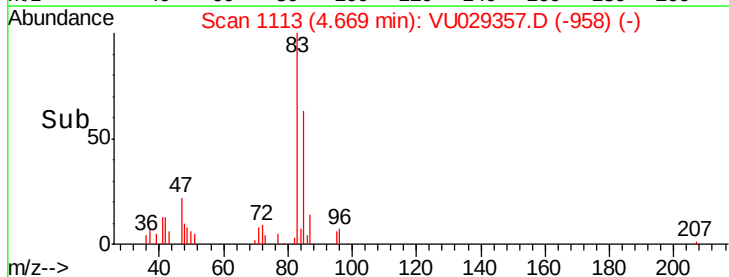


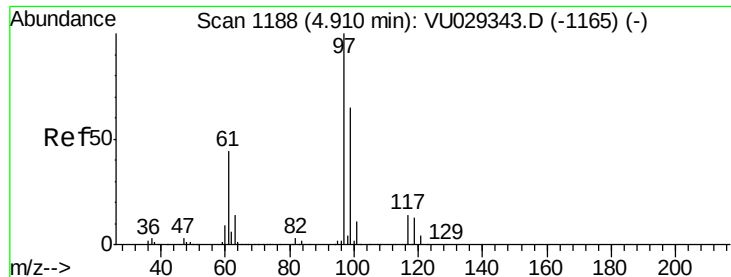
#27
Chloroform
Concen: 0.241 ug/l
RT: 4.67 min Scan# 1113
Delta R.T. -0.00 min
Lab File: VU029357.D
Acq: 06 Feb 2019 11:19

Tgt Ion: 83 Resp: 6178
Ion Ratio Lower Upper
83 100
85 63.1 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: 0.238 ug/l

RT: 4.91 min Scan# 1187

Delta R.T. -0.00 min

Lab File: VU029357.D

Acq: 06 Feb 2019 11:19

Instrument :

MSVOA_U

ClientSampleId :

MDL03

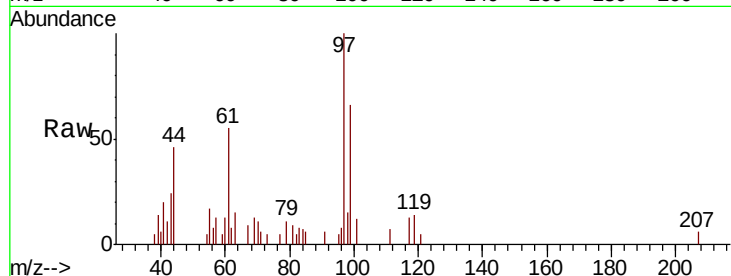
Tgt Ion: 97 Resp: 5664

Ion Ratio Lower Upper

97 100

99 70.6 32.4 97.2

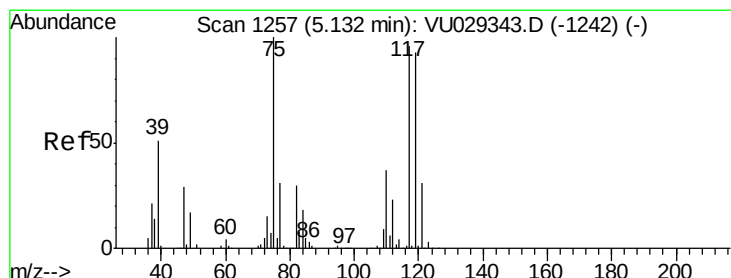
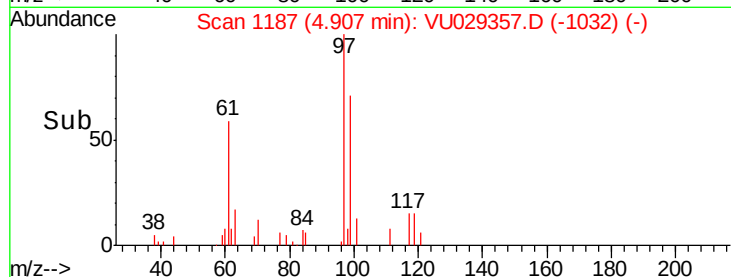
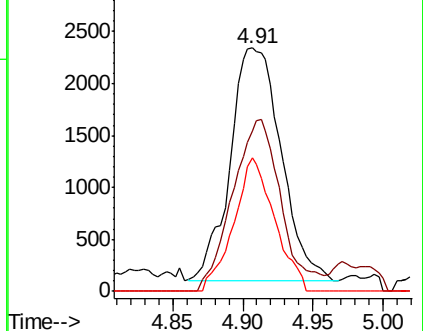
61 45.8 24.4 73.2



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: 0.252 ug/l

RT: 5.13 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VU029357.D

Acq: 06 Feb 2019 11:19

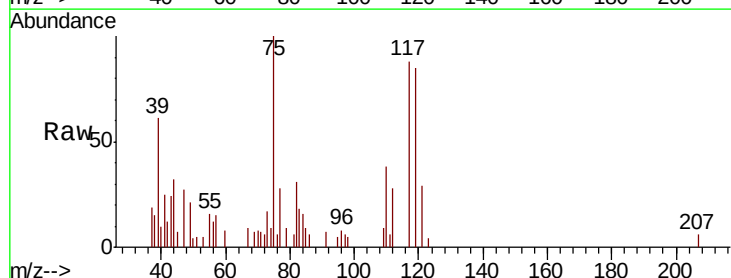
Tgt Ion: 75 Resp: 5198

Ion Ratio Lower Upper

75 100

110 40.0 15.4 46.2

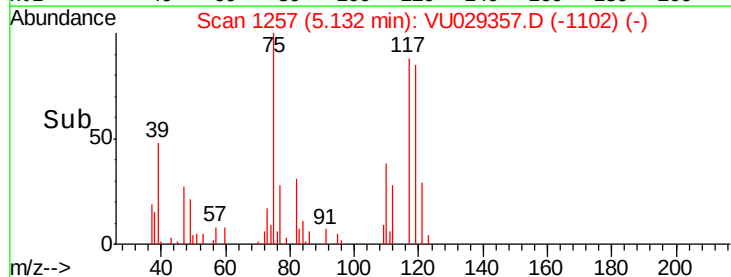
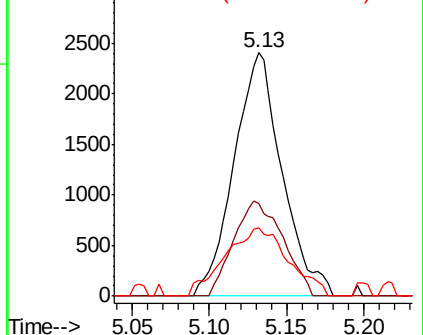
77 36.9 24.1 36.1#

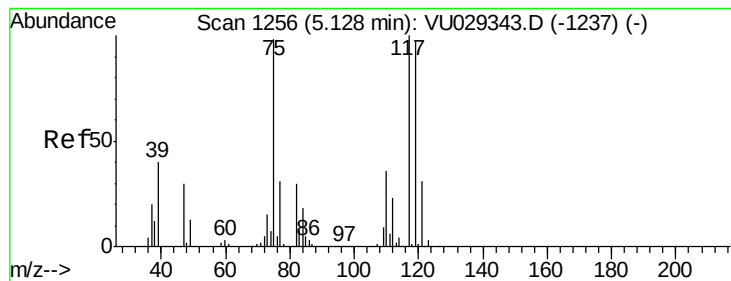


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VU0





#30

Carbon Tetrachloride

Concen: 0.243 ug/l

RT: 5.13 min Scan# 1256

Delta R.T. -0.00 min

Lab File: VU029357.D

Acq: 06 Feb 2019 11:19

Instrument :

MSVOA_U

ClientSampleId :

MDL03

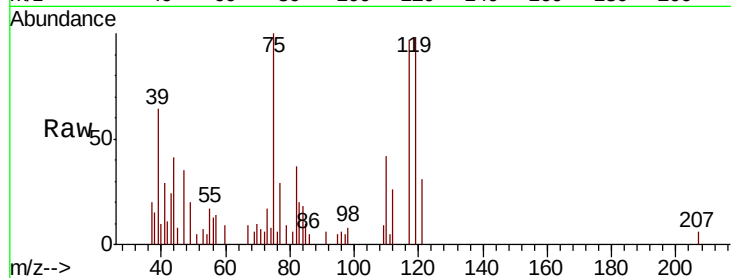
Tgt Ion: 117 Resp: 5238

Ion Ratio Lower Upper

117 100

119 100.9 76.8 115.2

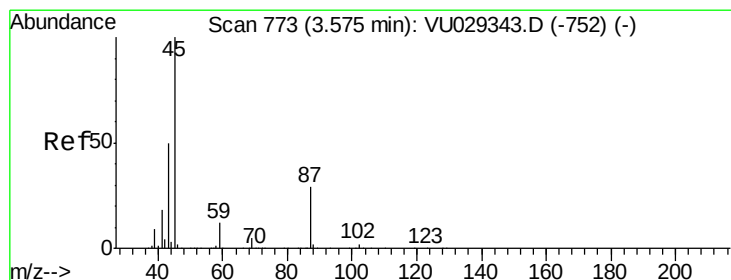
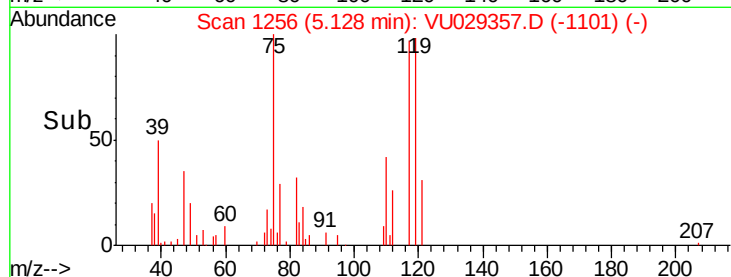
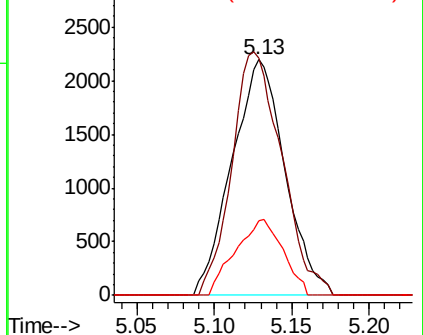
121 31.6 24.4 36.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#31

Isopropyl Ether

Concen: 0.256 ug/l

RT: 3.58 min Scan# 773

Delta R.T. -0.00 min

Lab File: VU029357.D

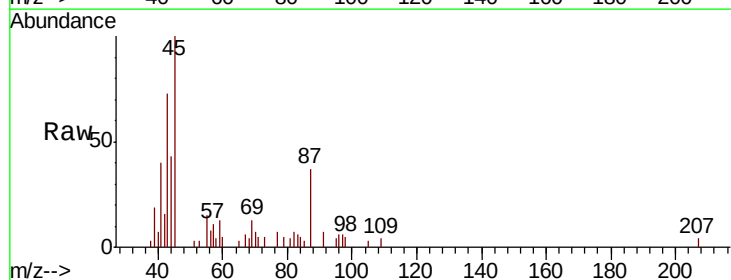
Acq: 06 Feb 2019 11:19

Tgt Ion: 45 Resp: 10179

Ion Ratio Lower Upper

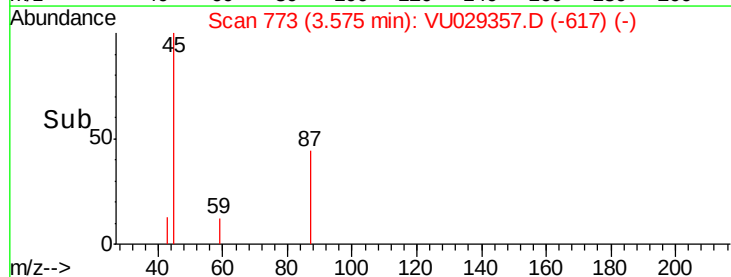
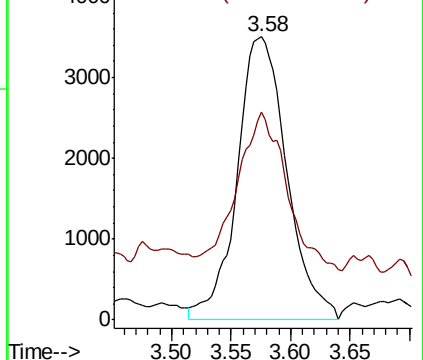
45 100

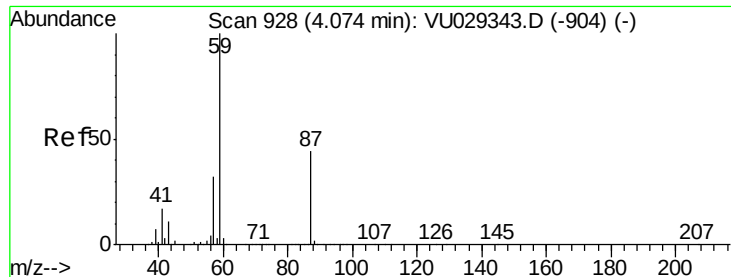
43 56.1 28.4 85.3



Abundance Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0





#32

Ethyl-t-butyl ether

Concen: 0.239 ug/l

RT: 4.07 min Scan# 928

Delta R.T. -0.00 min

Lab File: VU029357.D

Acq: 06 Feb 2019 11:19

Instrument :

MSVOA_U

ClientSampleId :

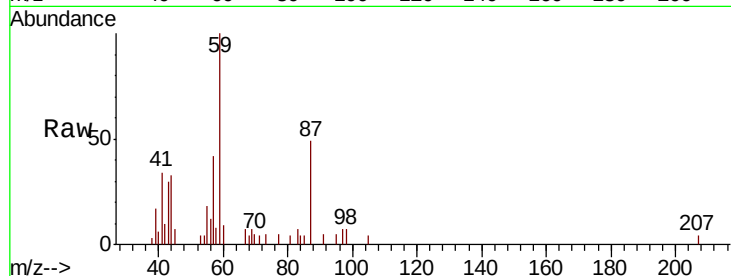
MDL03

Tgt Ion: 59 Resp: 9536

Ion Ratio Lower Upper

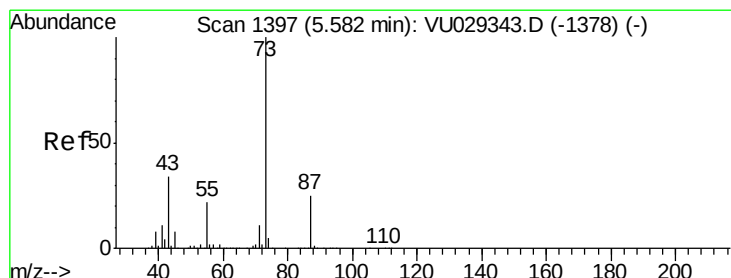
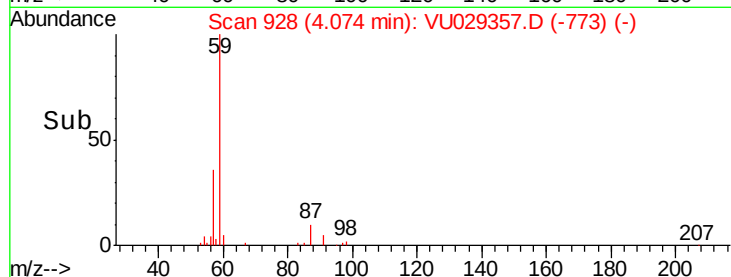
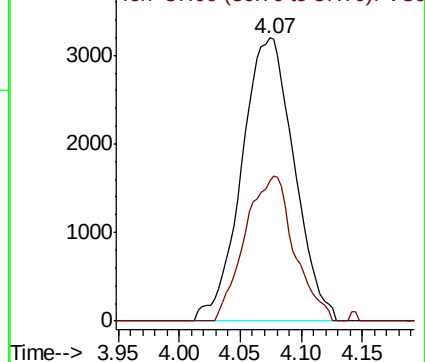
59 100

87 48.1 31.1 46.7#



Abundance Ion 59.00 (58.70 to 59.70): VU029343.D (-904) (-)

Ion 87.00 (86.70 to 87.70): VU029343.D (-904) (-)



#33

Tert-Amyl methyl ether

Concen: 0.246 ug/l

RT: 5.58 min Scan# 1396

Delta R.T. -0.00 min

Lab File: VU029357.D

Acq: 06 Feb 2019 11:19

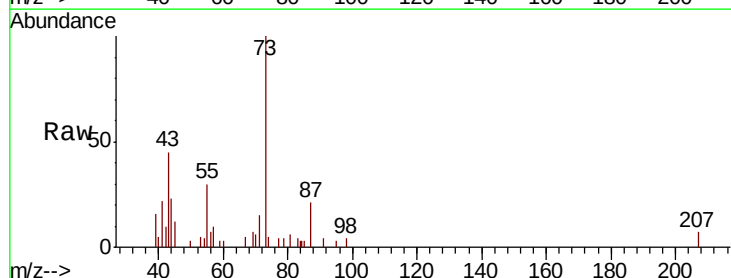
Tgt Ion: 73 Resp: 8875

Ion Ratio Lower Upper

73 100

87 22.1 19.4 29.0

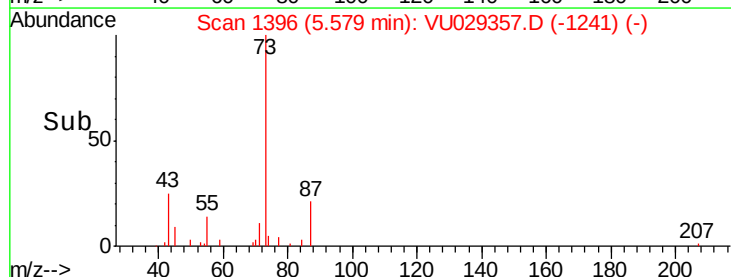
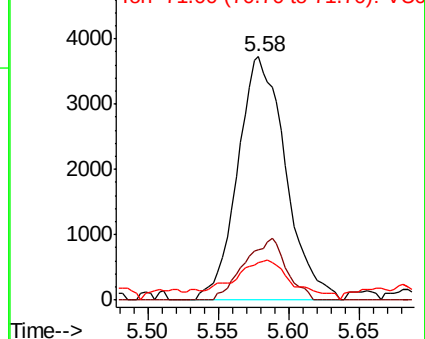
71 15.6 9.0 13.4#

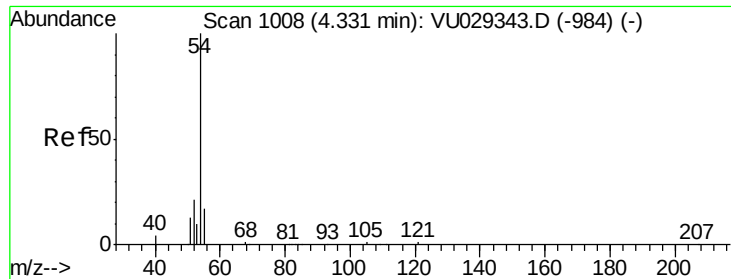


Abundance Ion 73.00 (72.70 to 73.70): VU029343.D (-1378) (-)

Ion 87.00 (86.70 to 87.70): VU029343.D (-1378) (-)

Ion 71.00 (70.70 to 71.70): VU029343.D (-1378) (-)

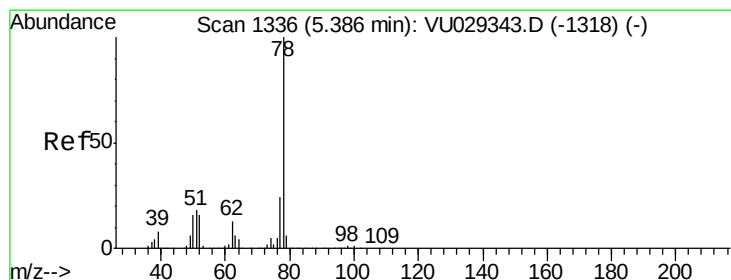
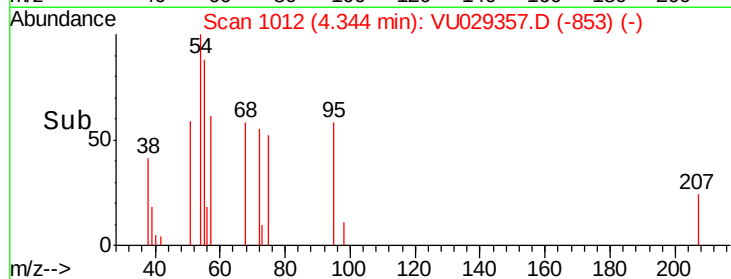
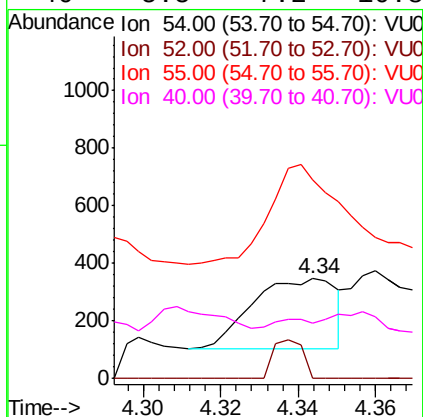
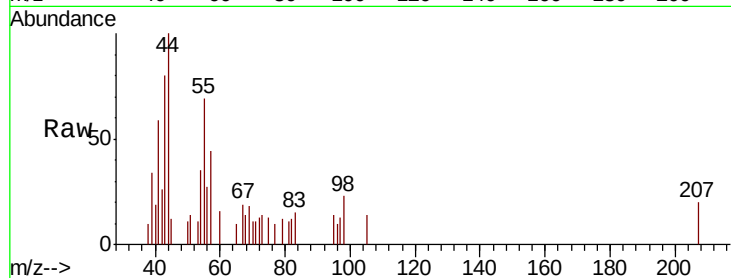




#34
 Propionitrile
 Concen: 0.387 ug/l
 RT: 4.34 min Scan# 1012
 Delta R.T. 0.01 min
 Lab File: VU029357.D
 Acq: 06 Feb 2019 11:19

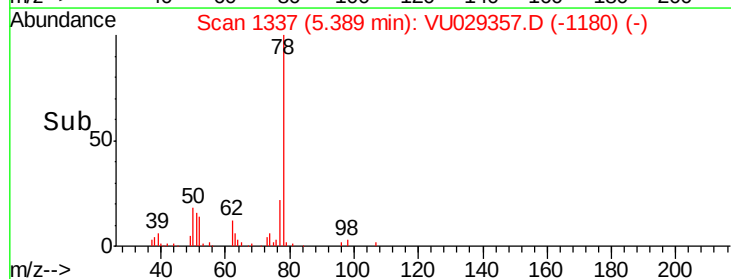
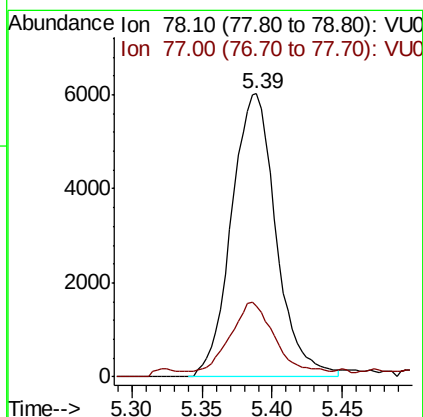
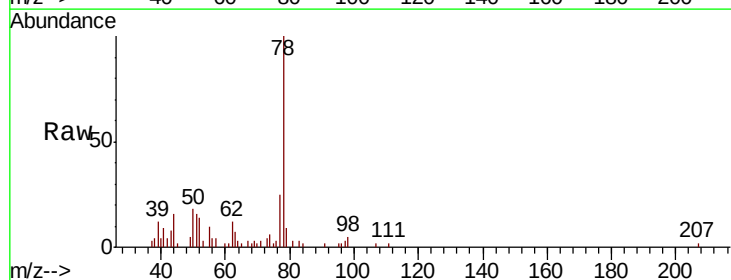
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL03

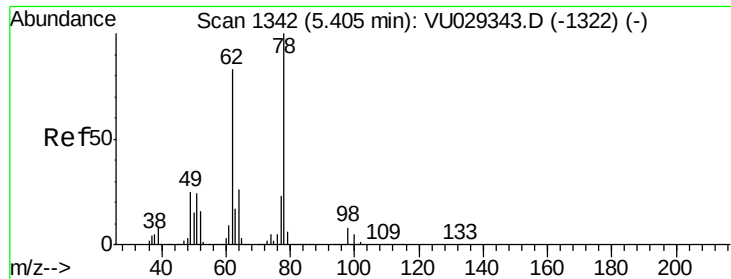
Tgt Ion:	54	Resp:	365
Ion	Ratio	Lower	Upper
54	100		
52	19.5	18.9	28.3
55	136.7	15.1	22.7#
40	5.5	7.2	10.8#



#35
 Benzene
 Concen: 0.234 ug/l
 RT: 5.39 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU029357.D
 Acq: 06 Feb 2019 11:19

Tgt Ion:	78	Resp:	13322
Ion	Ratio	Lower	Upper
78	100		
77	22.9	19.8	29.8





#36

1,2-Dichloroethane

Concen: 0.209 ug/l

RT: 5.41 min Scan# 1343

Delta R.T. 0.00 min

Lab File: VU029357.D

Acq: 06 Feb 2019 11:19

Instrument :

MSVOA_U

ClientSampleId :

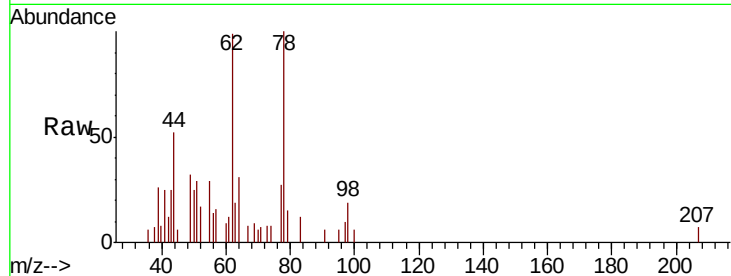
MDL03

Tgt Ion: 62 Resp: 3614

Ion Ratio Lower Upper

62 100

98 4.4 4.9 7.3#



Abundance Ion 62.00 (61.70 to 62.70): VU029343.D (-1322) (-)

Ion 98.00 (97.70 to 98.70): VU029343.D (-1322) (-)

5.41

1500

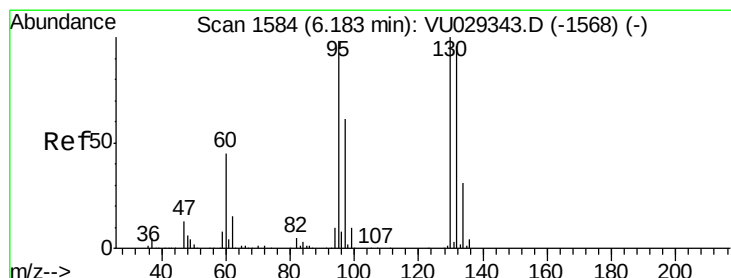
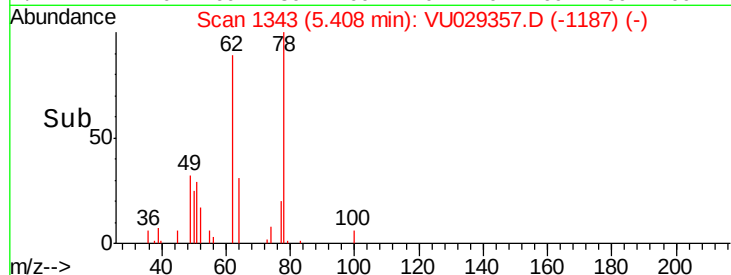
1000

500

0

5.35 5.40 5.45

Time-->



#37

Trichloroethene

Concen: 0.249 ug/l

RT: 6.18 min Scan# 1584

Delta R.T. -0.00 min

Lab File: VU029357.D

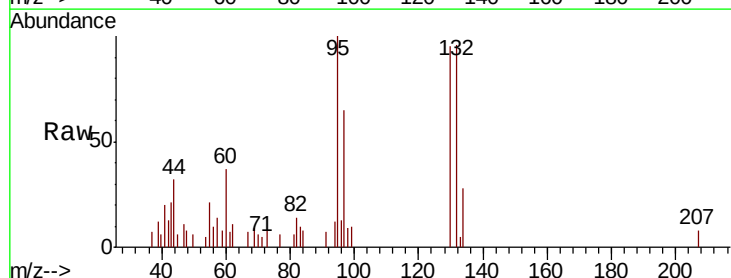
Acq: 06 Feb 2019 11:19

Tgt Ion: 130 Resp: 4084

Ion Ratio Lower Upper

130 100

95 100.0 85.4 128.0



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

Ion 94.90 (94.60 to 95.60): VU029343.D (-1568) (-)

6.18

2500

2000

1500

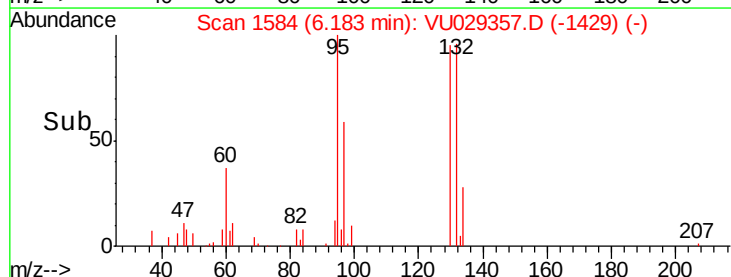
1000

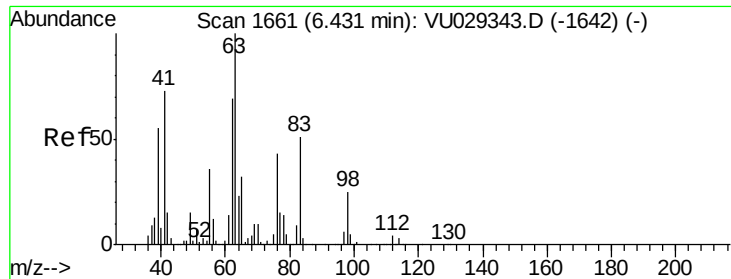
500

0

6.15 6.20 6.25

Time-->

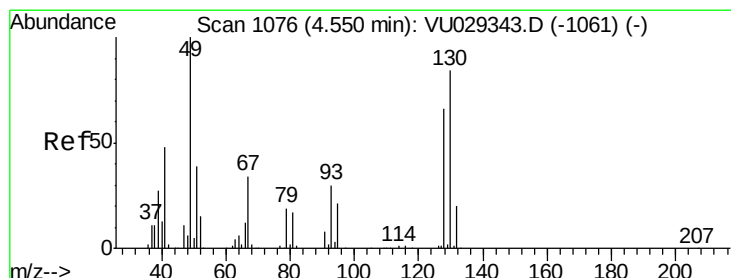
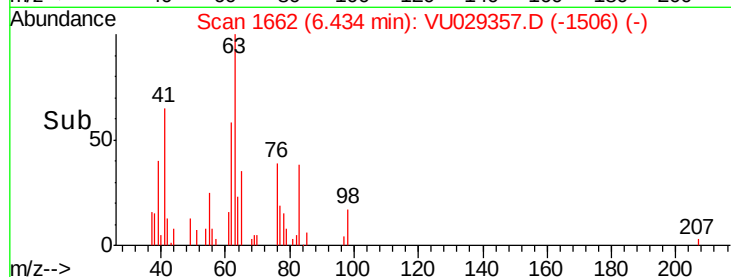
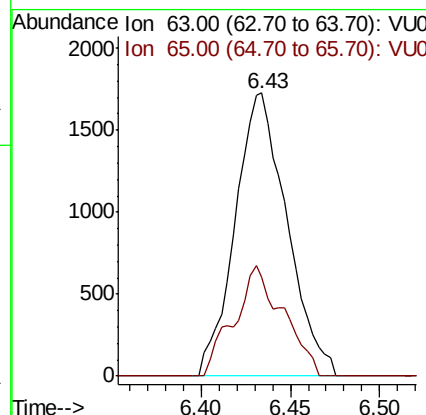
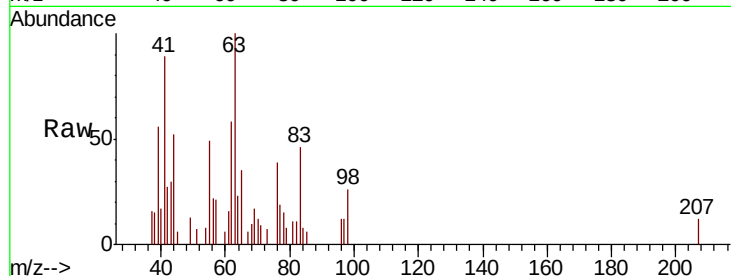




#38
 1,2-Dichloropropane
 Concen: 0.236 ug/l
 RT: 6.43 min Scan# 1662
 Delta R.T. 0.00 min
 Lab File: VU029357.D
 Acq: 06 Feb 2019 11:19

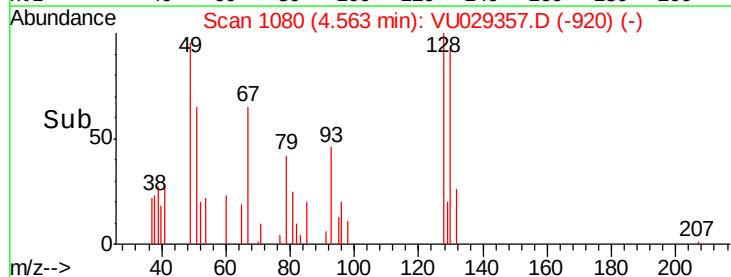
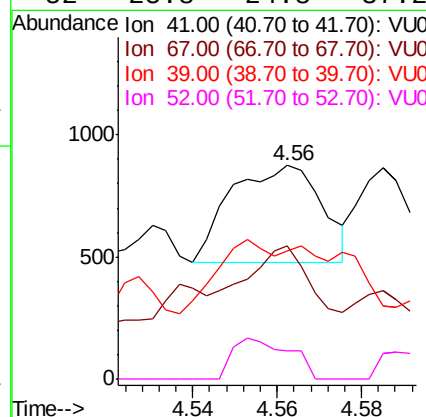
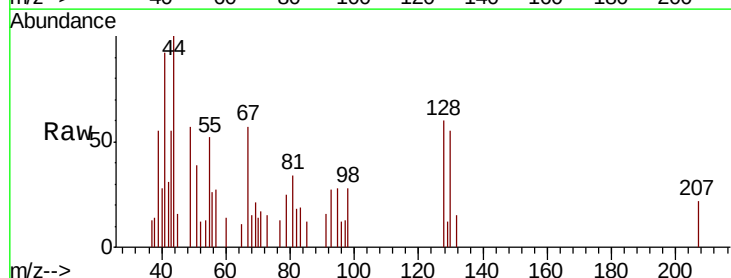
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL03

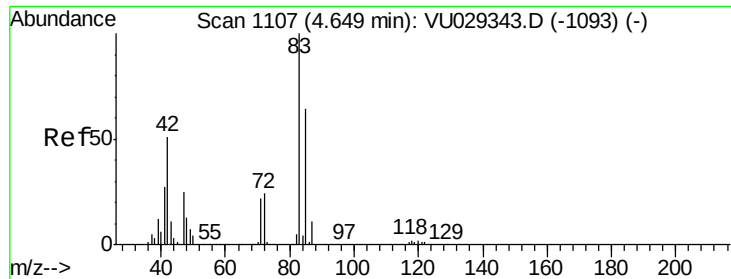
Tgt Ion: 63 Resp: 3499
 Ion Ratio Lower Upper
 63 100
 65 35.0 25.5 38.3



#39
 Methacrylonitrile
 Concen: 0.123 ug/l
 RT: 4.56 min Scan# 1080
 Delta R.T. 0.01 min
 Lab File: VU029357.D
 Acq: 06 Feb 2019 11:19

Tgt Ion: 41 Resp: 596
 Ion Ratio Lower Upper
 41 100
 67 49.8 50.1 75.1#
 39 45.6 47.9 71.9#
 52 25.8 24.8 37.2





#41

Tetrahydrofuran

Concen: 0.560 ug/l

RT: 4.66 min Scan# 1111

Delta R.T. 0.01 min

Lab File: VU029357.D

Acq: 06 Feb 2019 11:19

Instrument :

MSVOA_U

ClientSampleId :

MDL03

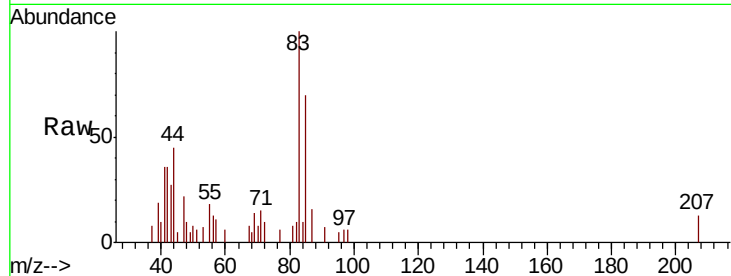
Tgt Ion: 42 Resp: 1363

Ion Ratio Lower Upper

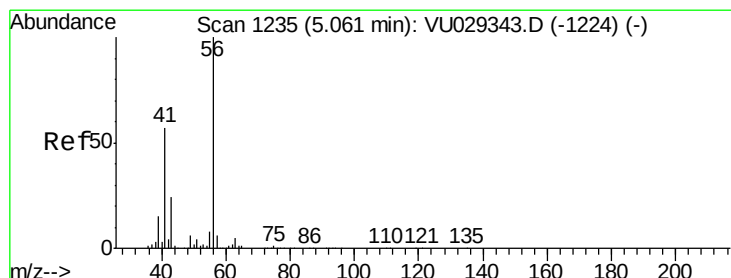
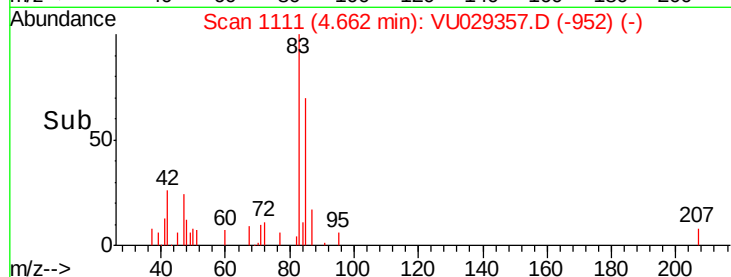
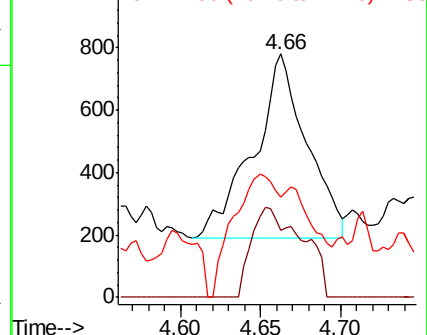
42 100

72 46.2 33.1 49.7

71 55.2 30.2 45.2#



Abundance Ion 42.00 (41.70 to 42.70): VU0
Ion 72.00 (71.70 to 72.70): VU0
Ion 71.00 (70.70 to 71.70): VU0



#42

1-Chlorobutane

Concen: 0.204 ug/l

RT: 5.06 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VU029357.D

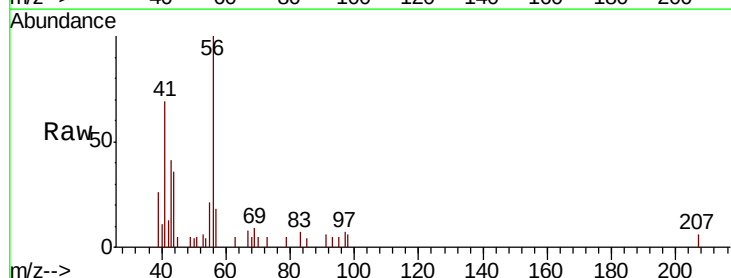
Acq: 06 Feb 2019 11:19

Tgt Ion: 56 Resp: 5630

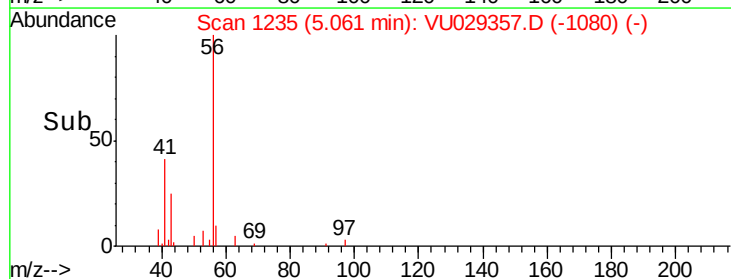
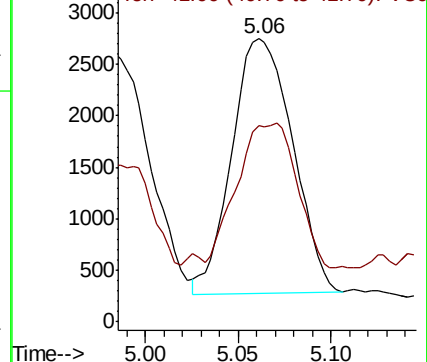
Ion Ratio Lower Upper

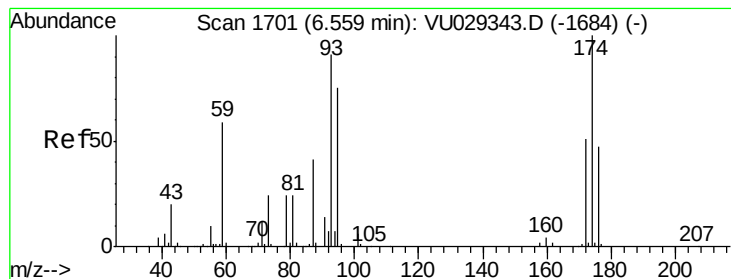
56 100

41 67.4 31.3 93.8



Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 41.00 (40.70 to 41.70): VU0





#43

Dibromomethane

Concen: 0.234 ug/l

RT: 6.56 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VU029357.D

Acq: 06 Feb 2019 11:19

Instrument :

MSVOA_U

ClientSampleId :

MDL03

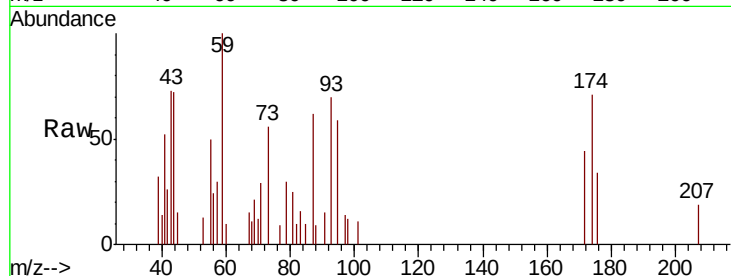
Tgt Ion: 93 Resp: 1849

Ion Ratio Lower Upper

93 100

95 118.5 68.2 102.2#

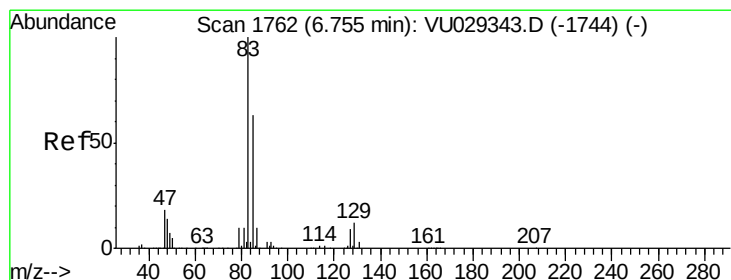
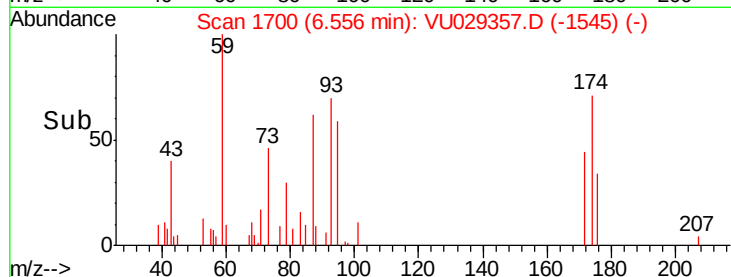
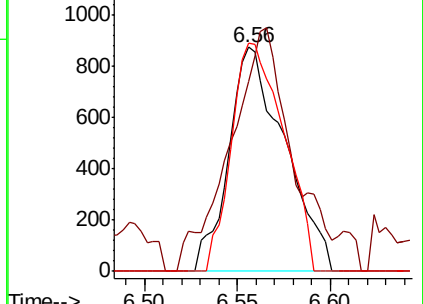
174 95.0 77.6 116.4



Abundance Ion 93.00 (92.70 to 93.70): VU029343.D (-1684) (-)

Ion 95.00 (94.70 to 95.70): VU029357.D (-1545) (-)

Ion 174.00 (173.70 to 174.70): VU029357.D (-1545) (-)



#44

Bromodichloromethane

Concen: 0.228 ug/l

RT: 6.76 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VU029357.D

Acq: 06 Feb 2019 11:19

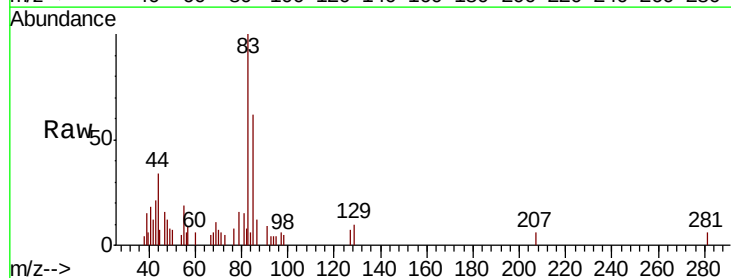
Tgt Ion: 83 Resp: 4586

Ion Ratio Lower Upper

83 100

85 57.7 49.2 73.8

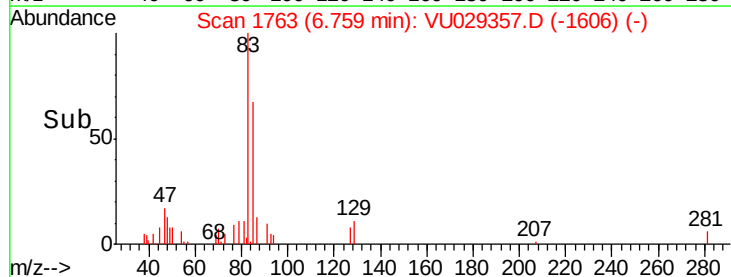
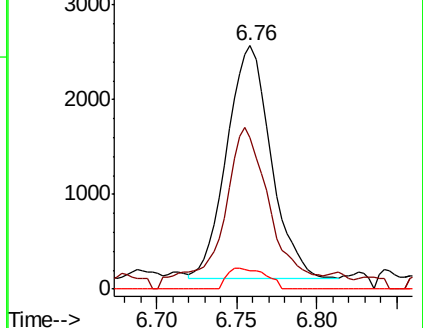
127 7.7 7.0 10.6

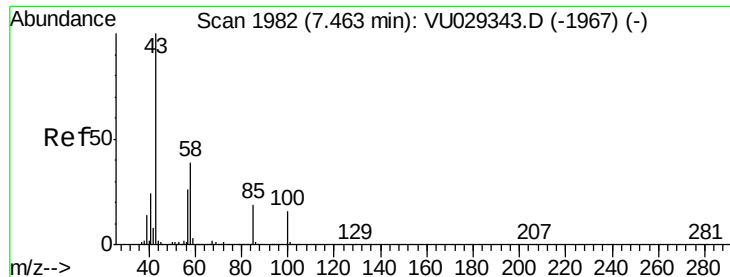


Abundance Ion 83.00 (82.70 to 83.70): VU029343.D (-1744) (-)

Ion 85.00 (84.70 to 85.70): VU029357.D (-1606) (-)

Ion 127.00 (126.70 to 127.70): VU029357.D (-1606) (-)





#45

4-Methyl-2-Pentanone

Concen: 1.054 ug/l

RT: 7.47 min Scan# 1984

Delta R.T. 0.01 min

Lab File: VU029357.D

Acq: 06 Feb 2019 11:19

Instrument :

MSVOA_U

ClientSampleId :

MDL03

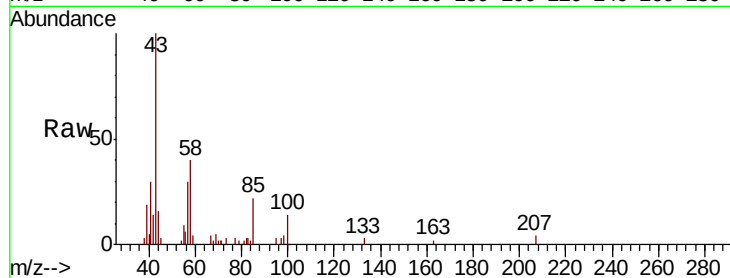
Tgt Ion: 43 Resp: 9776

Ion Ratio Lower Upper

43 100

58 41.7 17.6 52.8

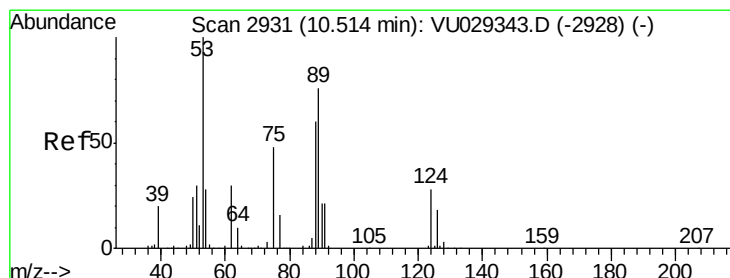
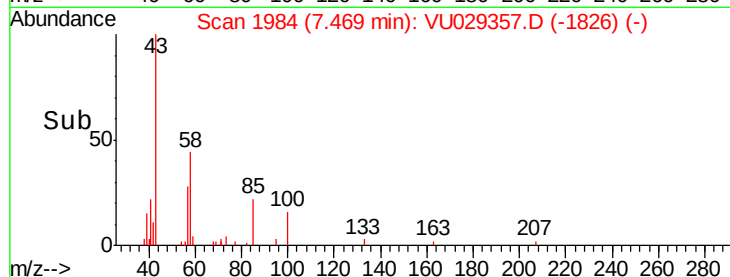
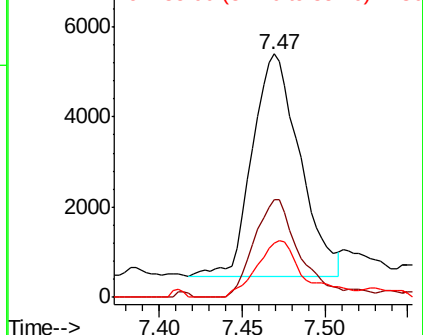
85 25.8 12.3 18.5#



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: 0.358 ug/l

RT: 10.49 min Scan# 2925

Delta R.T. -0.02 min

Lab File: VU029357.D

Acq: 06 Feb 2019 11:19

Tgt Ion: 75 Resp: 1618

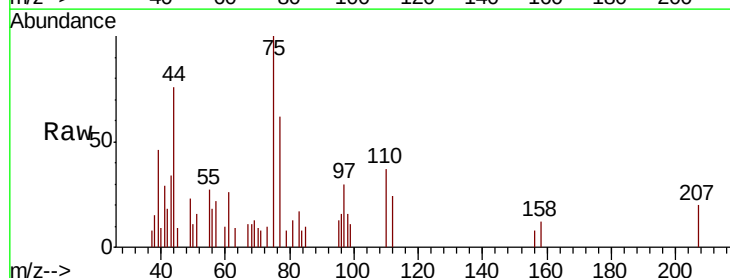
Ion Ratio Lower Upper

75 100

53 5.6 78.2 117.4#

89 0.0 44.2 66.4#

88 0.0 41.4 62.2#

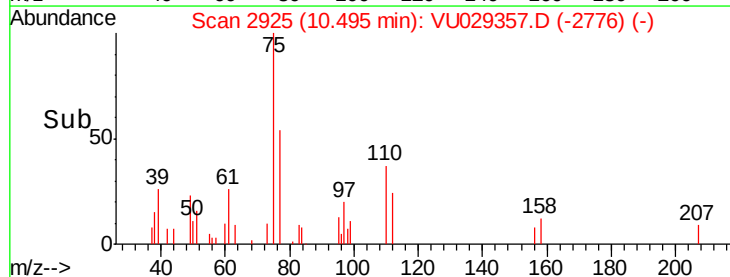
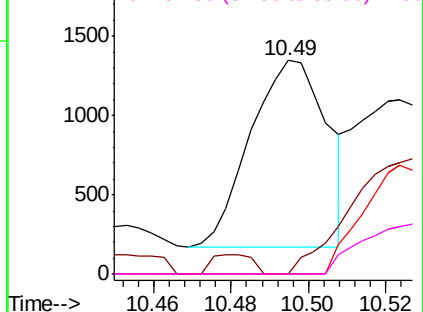


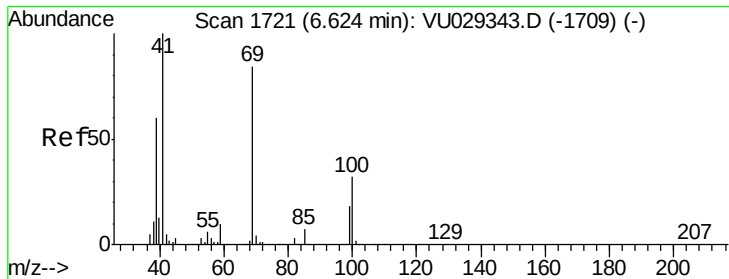
Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.80 (88.50 to 89.50): VU0

Ion 87.80 (87.50 to 88.50): VU0





#47

Methyl methacrylate

Concen: 0.403 ug/l

RT: 6.63 min Scan# 1724

Delta R.T. 0.01 min

Lab File: VU029357.D

Acq: 06 Feb 2019 11:19

Instrument :

MSVOA_U

ClientSampleId :

MDL03

Tgt Ion: 69 Resp: 2806

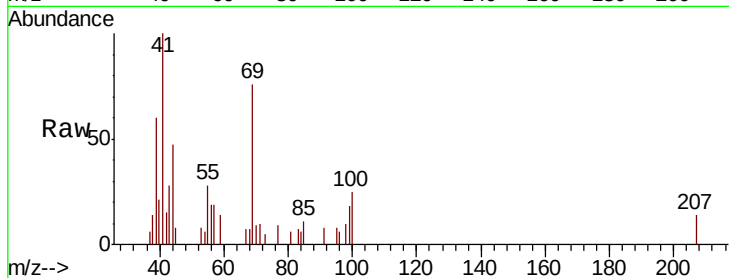
Ion Ratio Lower Upper

69 100

41 122.0 0.0 296.2

39 79.1 71.2 106.8

100 35.3 28.6 42.8

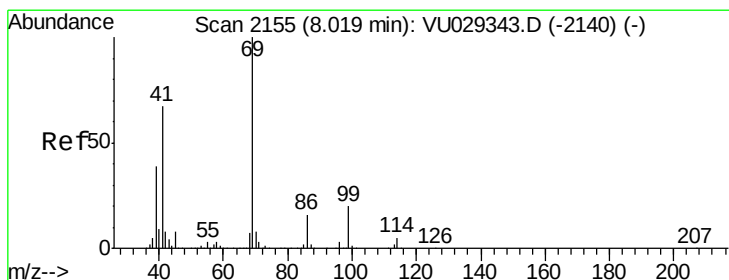
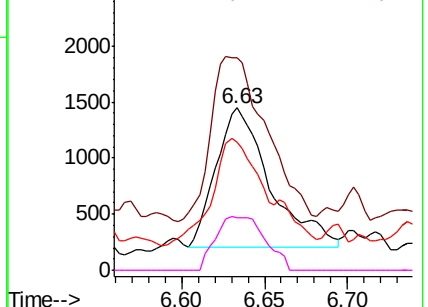
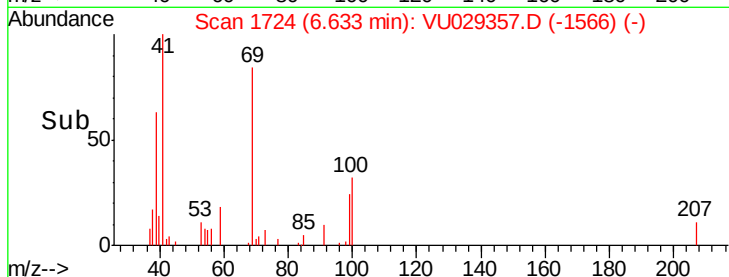


Abundance Ion 69.00 (68.70 to 69.70): VU029343.D (-1709) (-)

Ion 41.00 (40.70 to 41.70): VU029343.D (-1709) (-)

Ion 39.00 (38.70 to 39.70): VU029343.D (-1709) (-)

Ion 100.00 (99.70 to 100.70): VU029343.D (-1709) (-)



#48

Ethyl methacrylate

Concen: 0.193 ug/l

RT: 8.03 min Scan# 2157

Delta R.T. 0.01 min

Lab File: VU029357.D

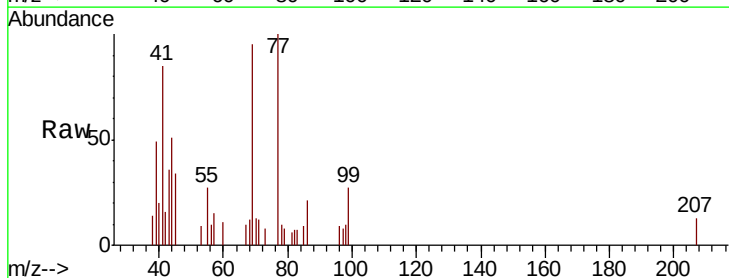
Acq: 06 Feb 2019 11:19

Tgt Ion: 69 Resp: 2879

Ion Ratio Lower Upper

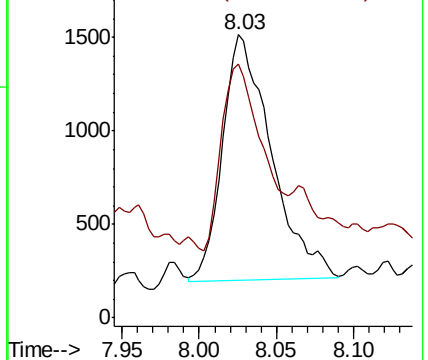
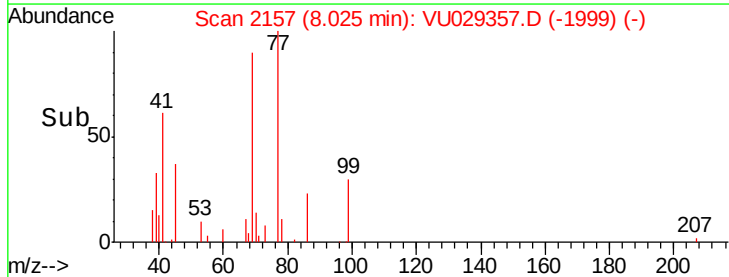
69 100

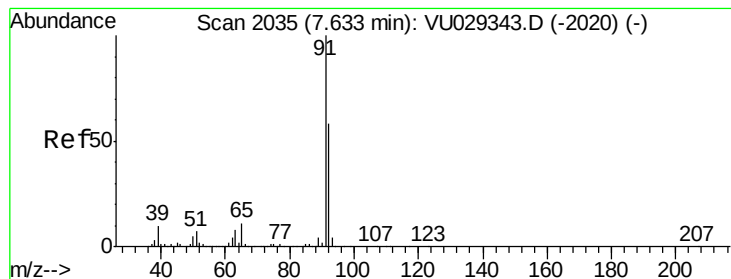
41 65.9 39.9 119.7



Abundance Ion 69.00 (68.70 to 69.70): VU029343.D (-2140) (-)

Ion 41.00 (40.70 to 41.70): VU029343.D (-2140) (-)





#49

Toluene

Concen: 0.233 ug/l

RT: 7.64 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VU029357.D

Acq: 06 Feb 2019 11:19

Instrument :

MSVOA_U

ClientSampled :

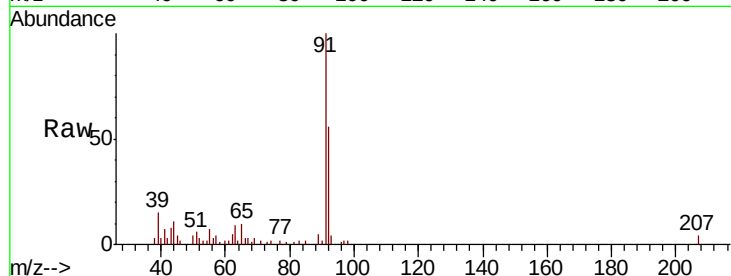
MDL03

Tgt Ion: 92 Resp: 8498

Ion Ratio Lower Upper

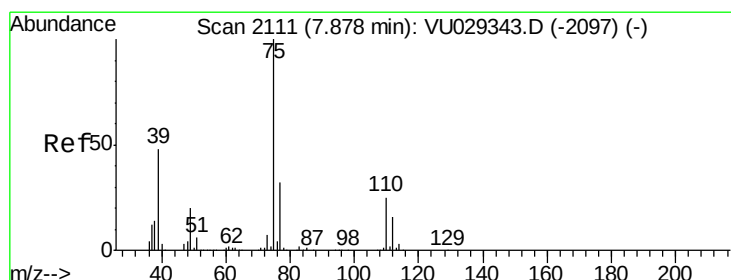
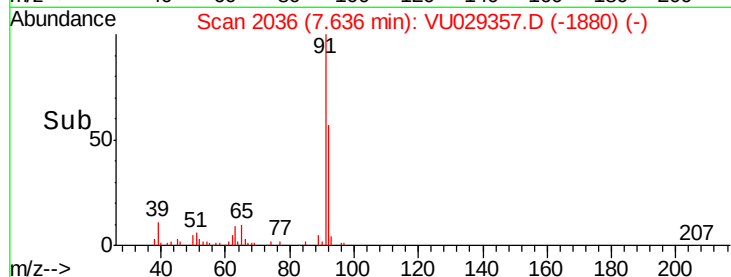
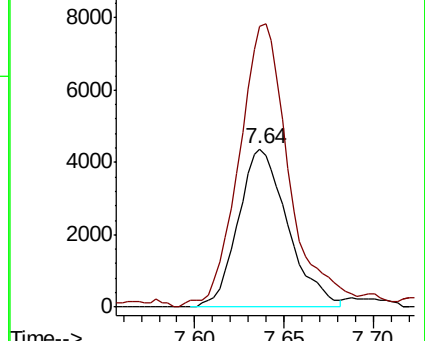
92 100

91 181.3 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0



#50

t-1,3-Dichloropropene

Concen: 0.216 ug/l

RT: 7.89 min Scan# 2115

Delta R.T. 0.01 min

Lab File: VU029357.D

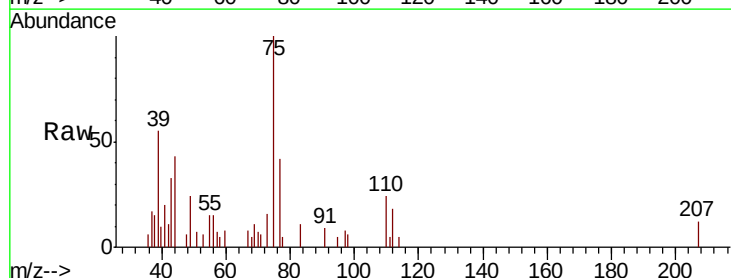
Acq: 06 Feb 2019 11:19

Tgt Ion: 75 Resp: 4276

Ion Ratio Lower Upper

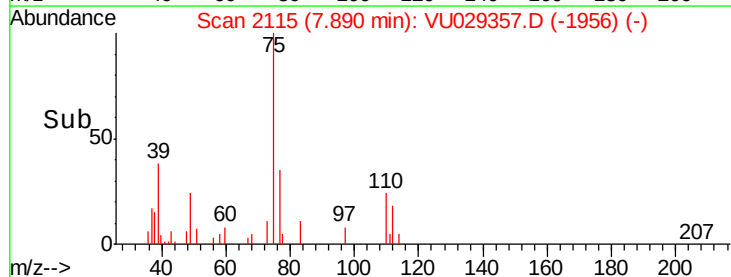
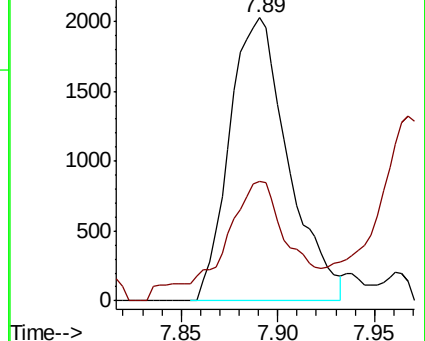
75 100

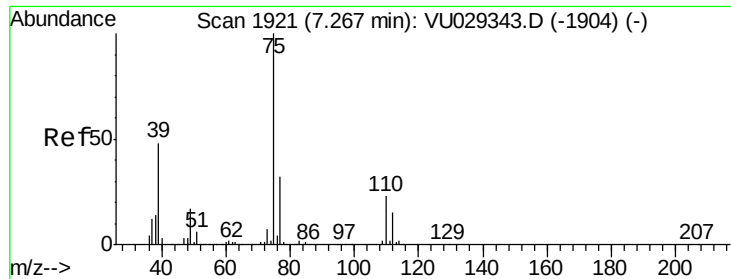
77 36.0 23.6 35.4#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



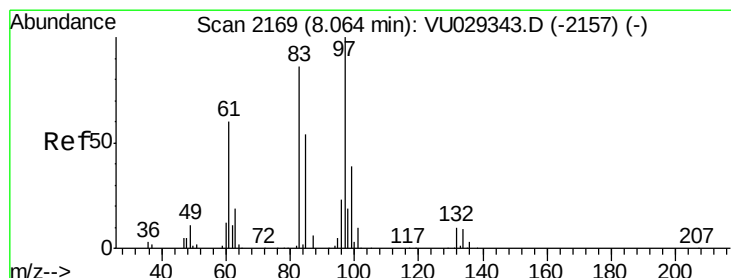
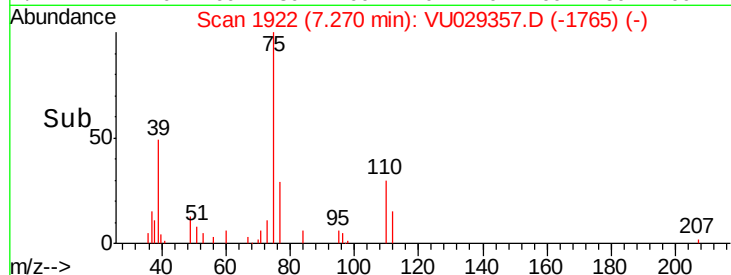
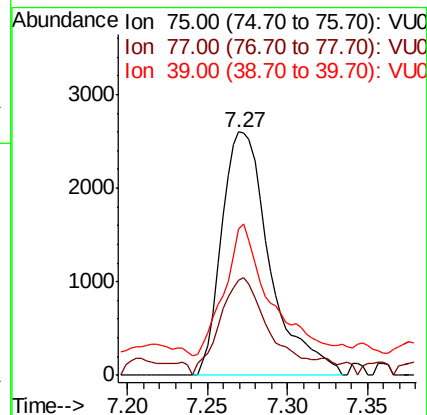
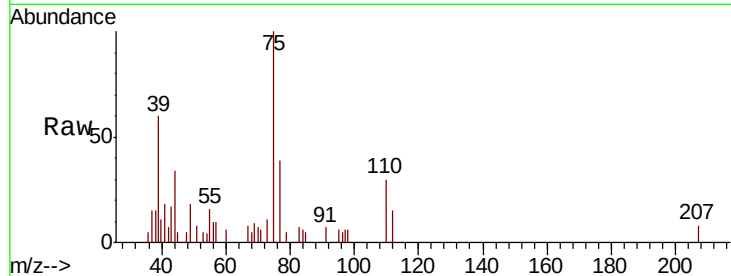


#51

cis-1,3-Dichloropropene
 Concen: 0.228 ug/l
 RT: 7.27 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VU029357.D
 Acq: 06 Feb 2019 11:19

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL03

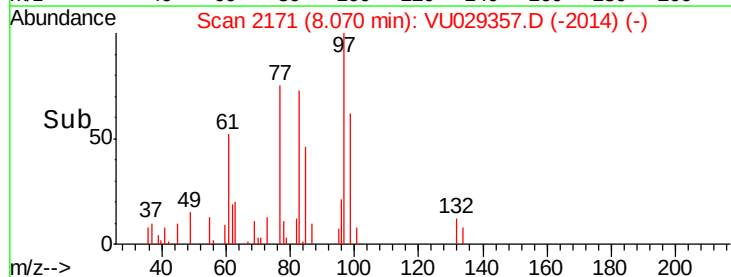
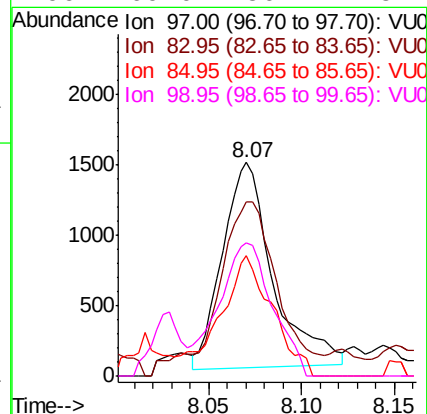
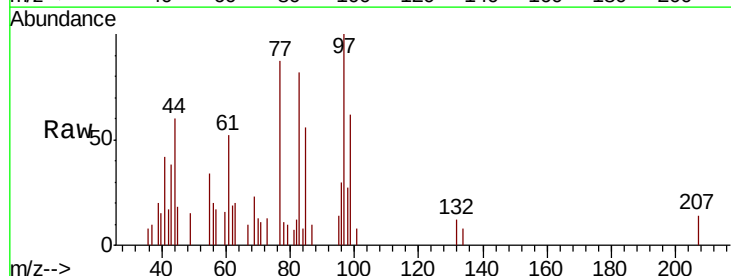
Tgt Ion: 75 Resp: 5353
 Ion Ratio Lower Upper
 75 100
 77 39.1 24.9 37.3#
 39 52.0 47.2 70.8

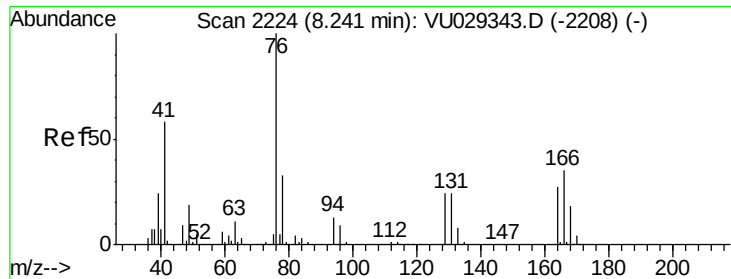


#52

1,1,2-Trichloroethane
 Concen: 0.264 ug/l
 RT: 8.07 min Scan# 2171
 Delta R.T. 0.01 min
 Lab File: VU029357.D
 Acq: 06 Feb 2019 11:19

Tgt Ion: 97 Resp: 2766
 Ion Ratio Lower Upper
 97 100
 83 78.8 69.9 104.9
 85 62.1 45.8 68.6
 99 69.0 50.2 75.2





#53

1,3-Dichloropropane

Concen: 0.223 ug/l

RT: 8.24 min Scan# 2225

Delta R.T. 0.00 min

Lab File: VU029357.D

Acq: 06 Feb 2019 11:19

Instrument :

MSVOA_U

ClientSampled :

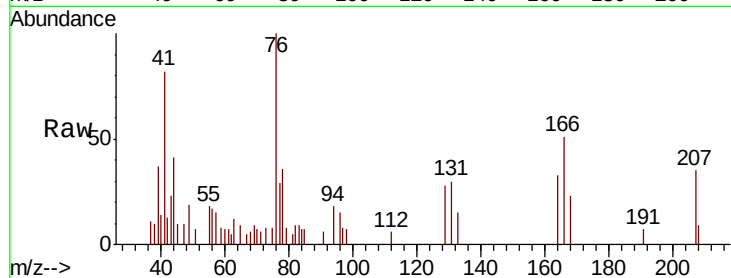
MDL03

Tgt Ion: 76 Resp: 4108

Ion Ratio Lower Upper

76 100

78 35.8 26.3 39.5



Abundance Ion 76.00 (75.70 to 76.70): VU029343.D (-2208) (-)

Ion 78.00 (77.70 to 78.70): VU029343.D (-2208) (-)

8.24

2500

2000

1500

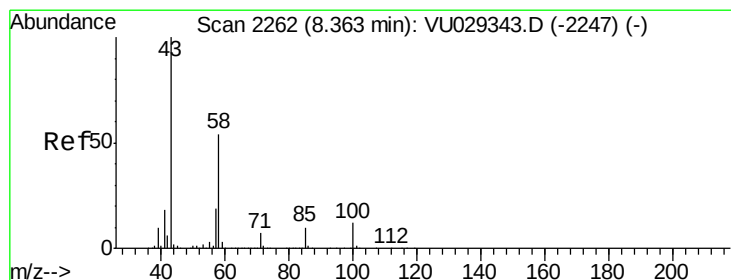
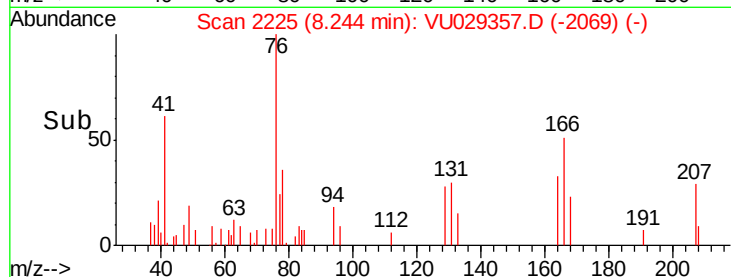
1000

500

0

8.20 8.25 8.30

Time-->



#54

2-Hexanone

Concen: 1.114 ug/l

RT: 8.38 min Scan# 2266

Delta R.T. 0.01 min

Lab File: VU029357.D

Acq: 06 Feb 2019 11:19

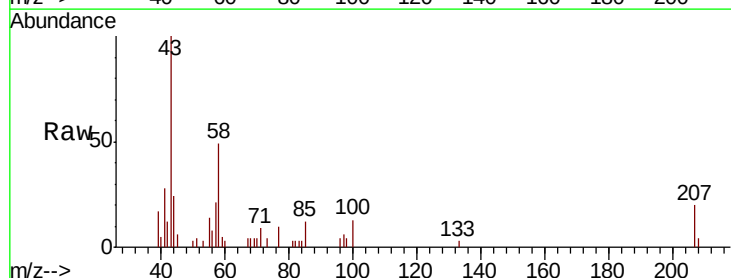
Tgt Ion: 43 Resp: 7239

Ion Ratio Lower Upper

43 100

58 56.7 26.0 66.0

57 16.0 0.0 37.7



Abundance Ion 43.00 (42.70 to 43.70): VU029343.D (-2247) (-)

Ion 58.00 (57.70 to 58.70): VU029343.D (-2247) (-)

Ion 57.00 (56.70 to 57.70): VU029343.D (-2247) (-)

8.38

5000

4000

3000

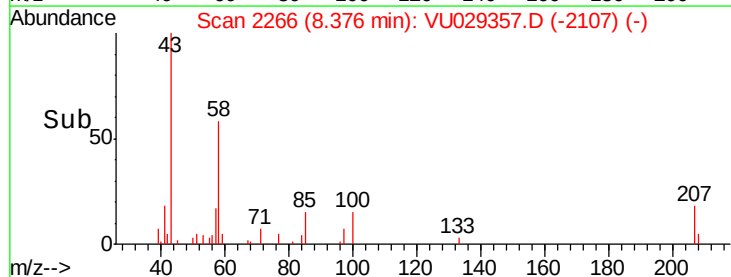
2000

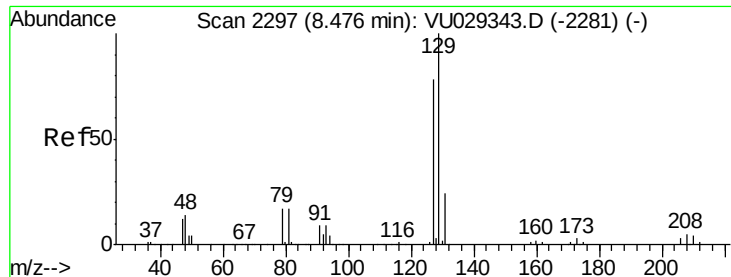
1000

0

8.30 8.35 8.40 8.45 8.50

Time-->





#55

Dibromochloromethane

Concen: 0.230 ug/l

RT: 8.48 min Scan# 2297

Delta R.T. -0.00 min

Lab File: VU029357.D

Acq: 06 Feb 2019 11:19

Instrument :

MSVOA_U

ClientSampleId :

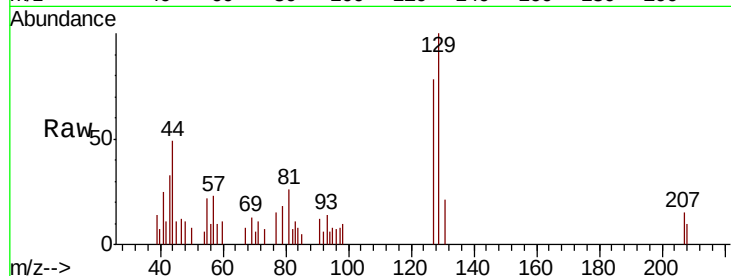
MDL03

Tgt Ion:129 Resp: 3418

Ion Ratio Lower Upper

129 100

127 72.5 60.5 90.7



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

8.48

2000

1500

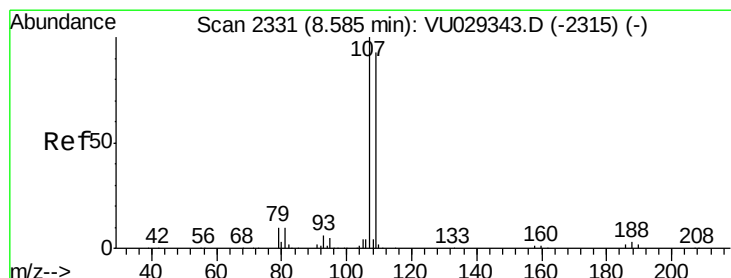
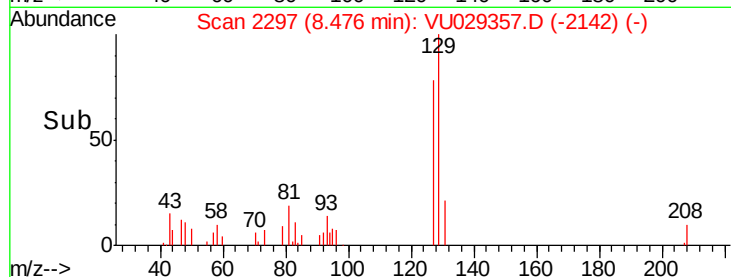
1000

500

0

8.45 8.50

Time-->



#56

1,2-Dibromoethane

Concen: 0.246 ug/l

RT: 8.59 min Scan# 2332

Delta R.T. 0.00 min

Lab File: VU029357.D

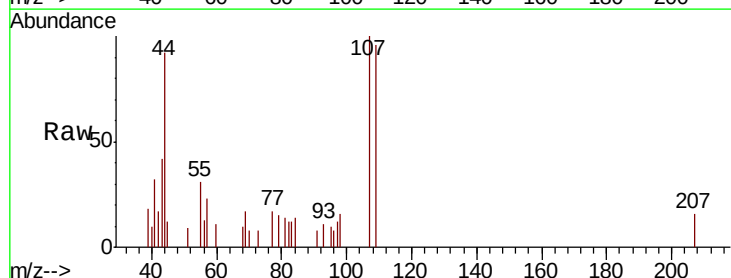
Acq: 06 Feb 2019 11:19

Tgt Ion:107 Resp: 2643

Ion Ratio Lower Upper

107 100

109 94.6 0.0 189.6



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

1500

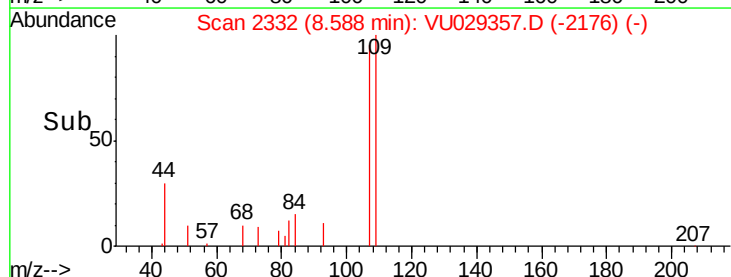
1000

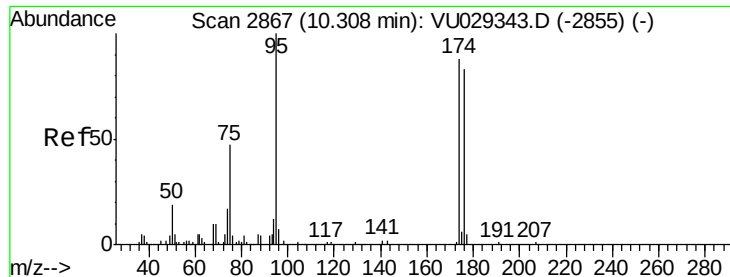
500

0

8.55 8.60 8.65

Time-->

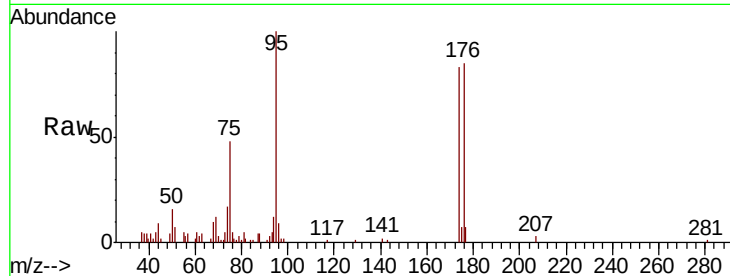




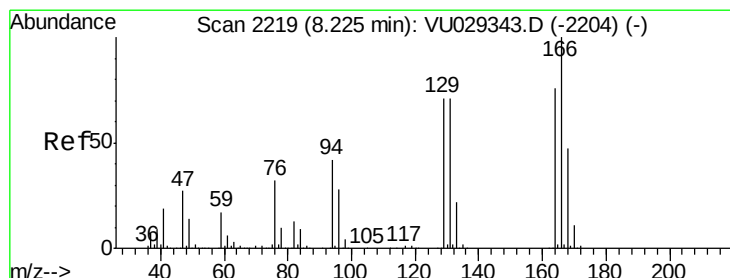
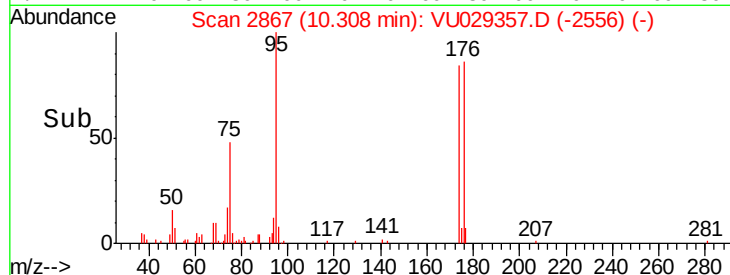
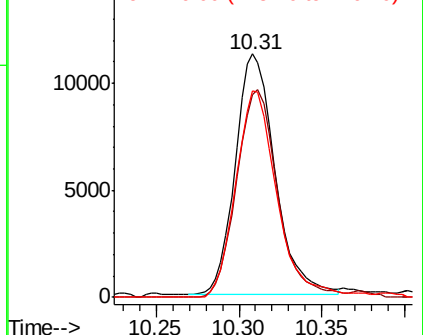
#57
4-Bromofluorobenzene
Concen: 0.246 ug/l
RT: 10.31 min Scan# 2867
Delta R.T. -0.00 min
Lab File: VU029357.D
Acq: 06 Feb 2019 11:19

Instrument :
MSVOA_U
ClientSampleId :
MDL03

Tgt Ion: 95 Resp: 18786
Ion Ratio Lower Upper
95 100
174 89.2 64.2 96.2
176 89.1 62.3 93.5

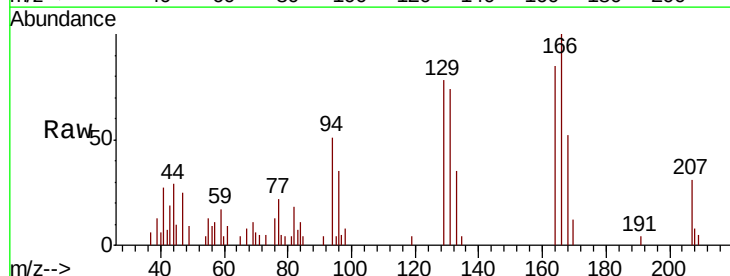


Abundance Ion 95.00 (94.70 to 95.70): VU0
Ion 174.00 (173.70 to 174.70): V
Ion 176.00 (175.70 to 176.70): V

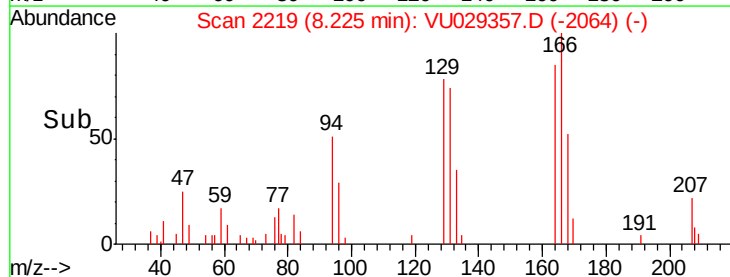
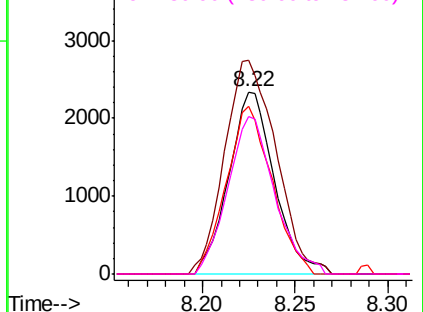


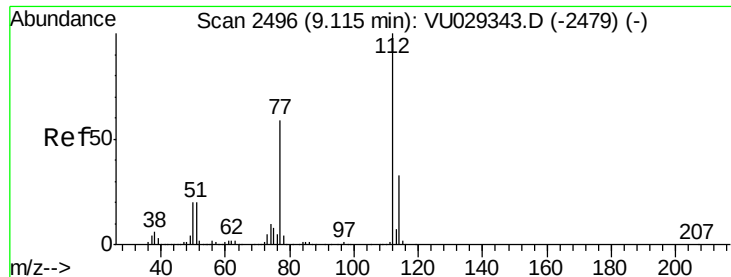
#58
Tetrachloroethene
Concen: 0.263 ug/l
RT: 8.22 min Scan# 2219
Delta R.T. -0.00 min
Lab File: VU029357.D
Acq: 06 Feb 2019 11:19

Tgt Ion: 164 Resp: 3999
Ion Ratio Lower Upper
164 100
166 117.4 106.6 159.8
129 91.8 79.9 119.9
131 86.5 75.8 113.8



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V

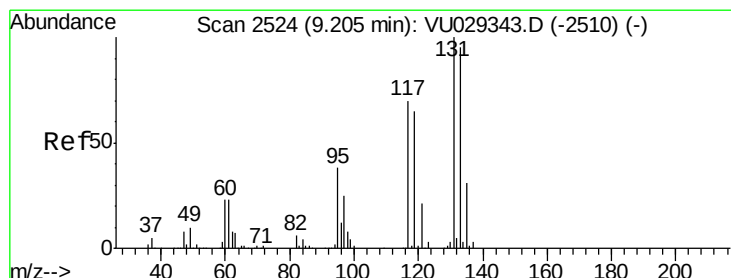
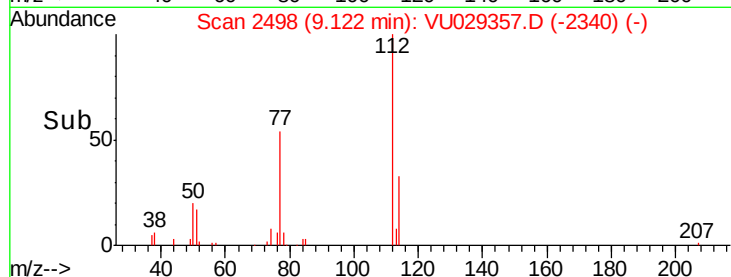
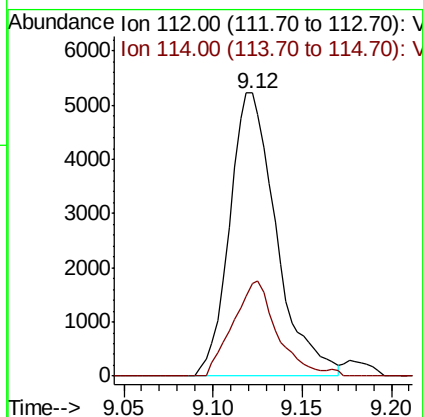
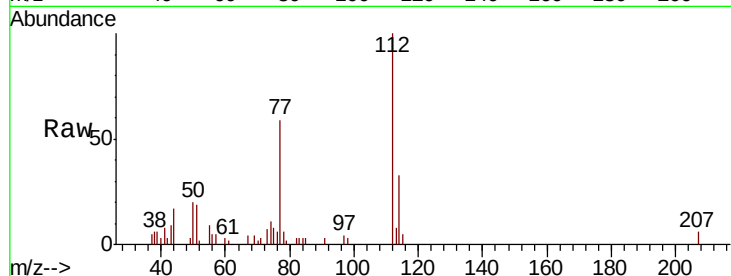




#59
Chlorobenzene
Concen: 0.231 ug/l
RT: 9.12 min Scan# 2498
Delta R.T. 0.01 min
Lab File: VU029357.D
Acq: 06 Feb 2019 11:19

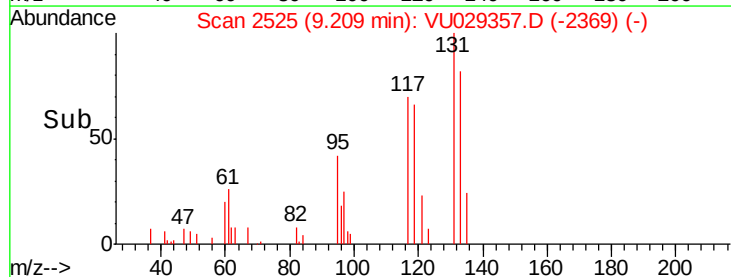
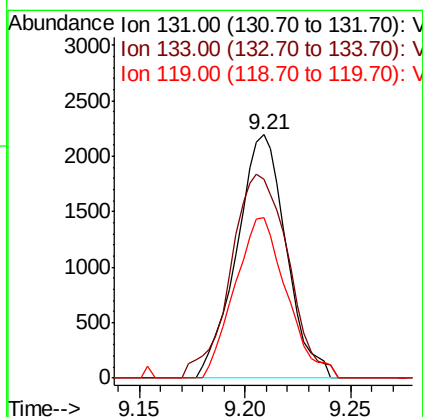
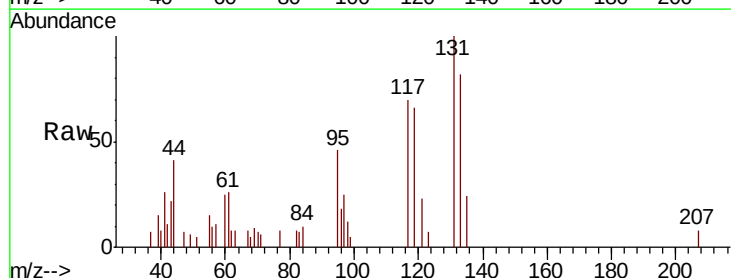
Instrument :
MSVOA_U
ClientSampleId :
MDL03

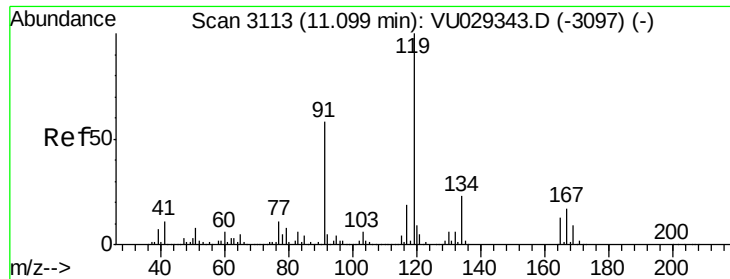
Tgt Ion:112 Resp: 9517
Ion Ratio Lower Upper
112 100
114 32.7 26.2 39.4



#60
1,1,1,2-Tetrachloroethane
Concen: 0.235 ug/l
RT: 9.21 min Scan# 2525
Delta R.T. 0.00 min
Lab File: VU029357.D
Acq: 06 Feb 2019 11:19

Tgt Ion:131 Resp: 3577
Ion Ratio Lower Upper
131 100
133 97.4 77.3 115.9
119 69.1 48.9 73.3

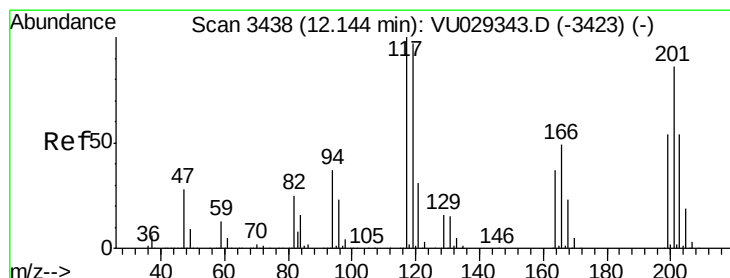
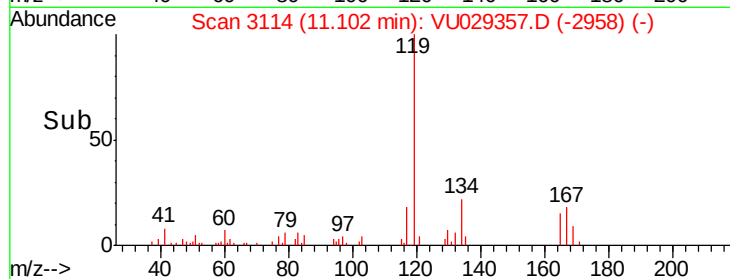
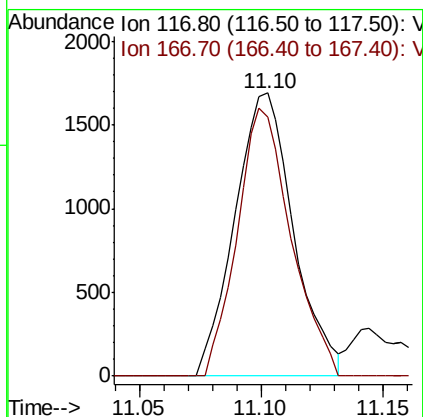
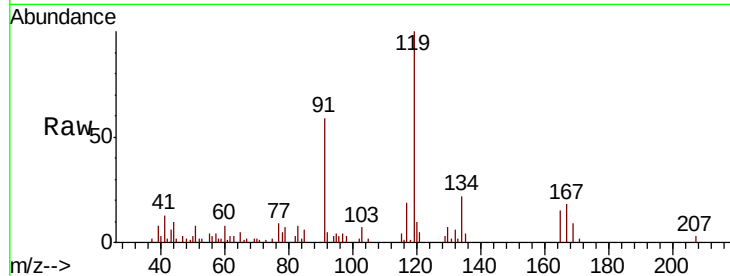




#61
 Pentachloroethane
 Concen: 0.240 ug/l
 RT: 11.10 min Scan# 3114
 Delta R.T. 0.00 min
 Lab File: VU029357.D
 Acq: 06 Feb 2019 11:19

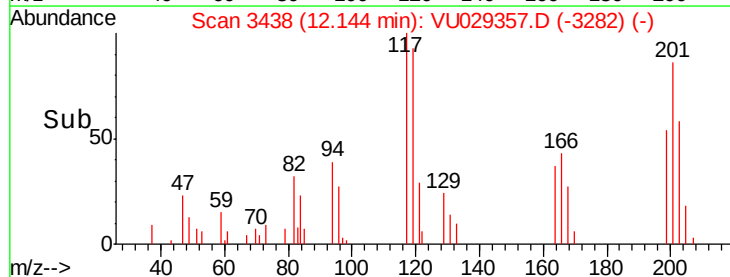
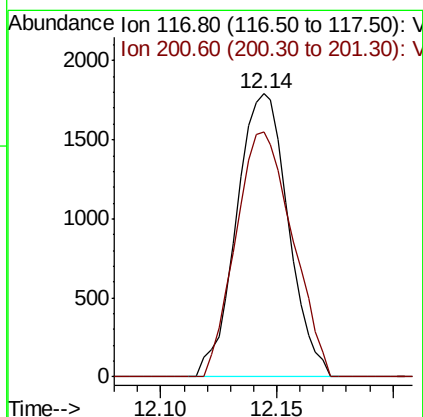
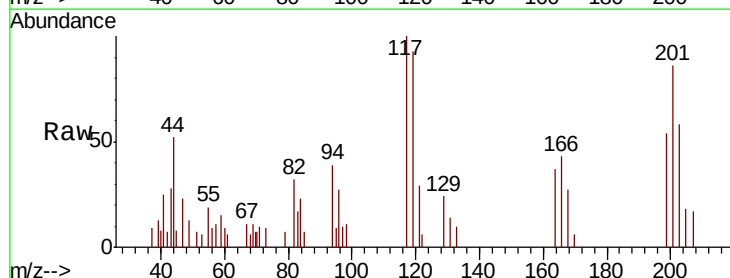
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL03

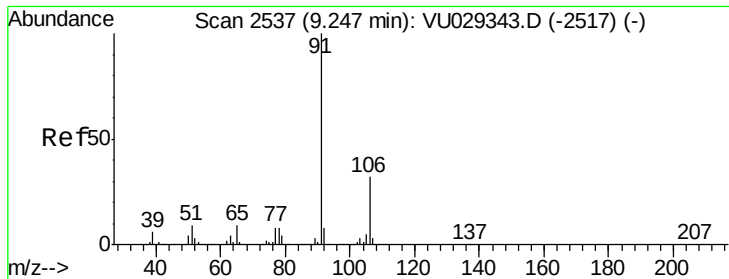
Tgt Ion:117 Resp: 2821
 Ion Ratio Lower Upper
 117 100
 167 86.4 65.9 98.9



#62
 Hexachloroethane
 Concen: 0.215 ug/l
 RT: 12.14 min Scan# 3438
 Delta R.T. -0.00 min
 Lab File: VU029357.D
 Acq: 06 Feb 2019 11:19

Tgt Ion:117 Resp: 2768
 Ion Ratio Lower Upper
 117 100
 201 95.1 68.2 102.2





#63

Ethyl Benzene

Concen: 0.244 ug/l

RT: 9.25 min Scan# 2538

Delta R.T. 0.00 min

Lab File: VU029357.D

Acq: 06 Feb 2019 11:19

Instrument :

MSVOA_U

ClientSampleId :

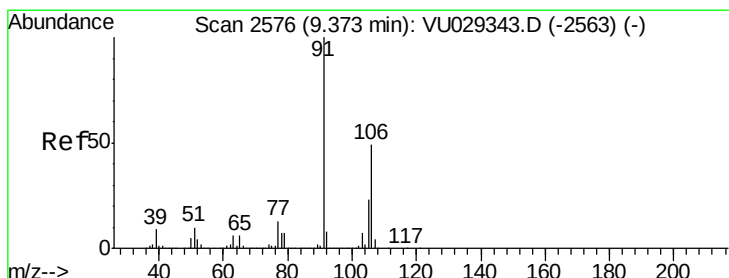
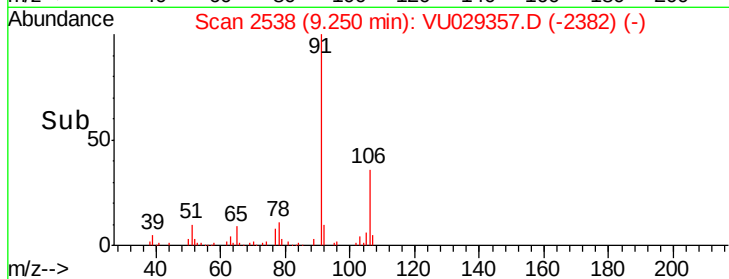
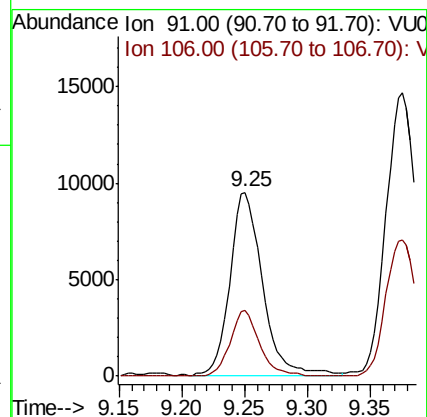
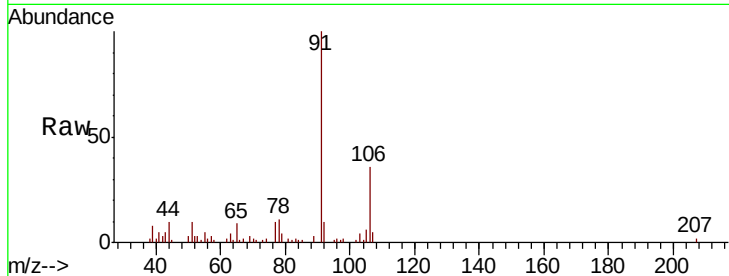
MDL03

Tgt Ion: 91 Resp: 17394

Ion Ratio Lower Upper

91 100

106 36.0 23.8 35.6#



#64

m/p-Xylenes

Concen: 0.465 ug/l

RT: 9.38 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VU029357.D

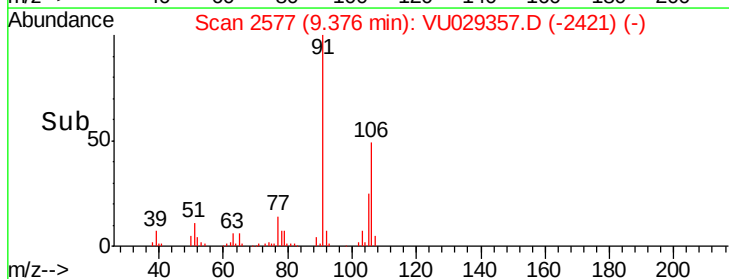
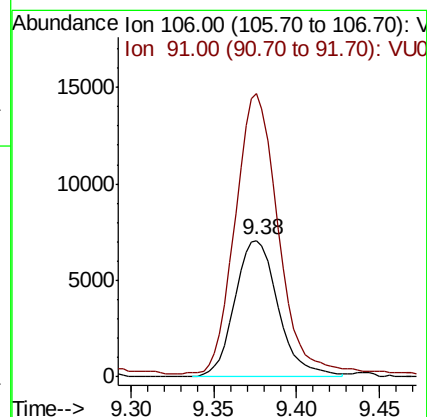
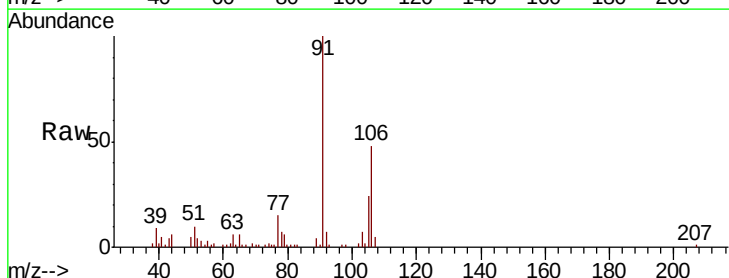
Acq: 06 Feb 2019 11:19

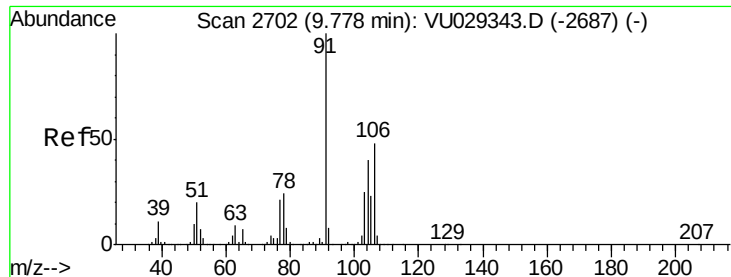
Tgt Ion: 106 Resp: 12911

Ion Ratio Lower Upper

106 100

91 206.9 174.6 261.8





#65

o-Xylene

Concen: 0.232 ug/l

RT: 9.78 min Scan# 2703

Delta R.T. 0.00 min

Lab File: VU029357.D

Acq: 06 Feb 2019 11:19

Instrument :

MSVOA_U

ClientSampleId :

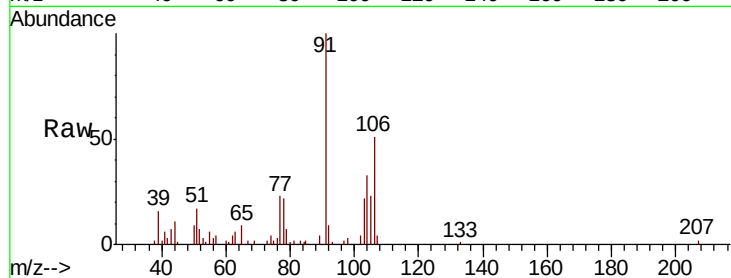
MDL03

Tgt Ion:106 Resp: 6313

Ion Ratio Lower Upper

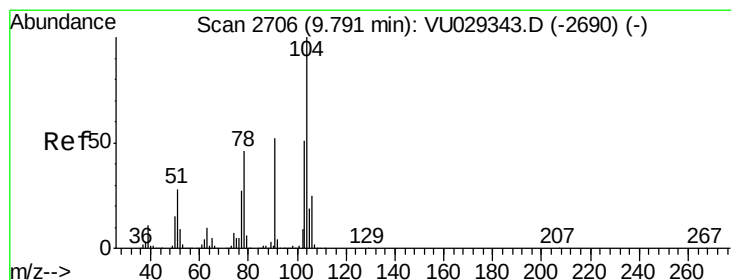
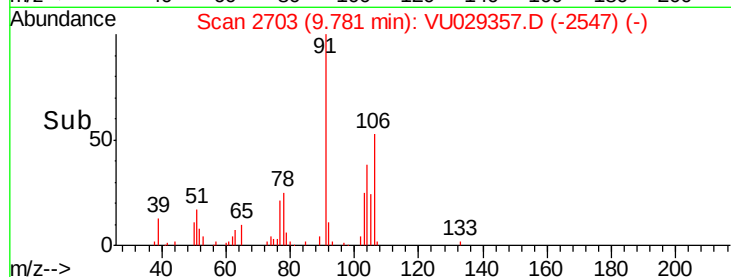
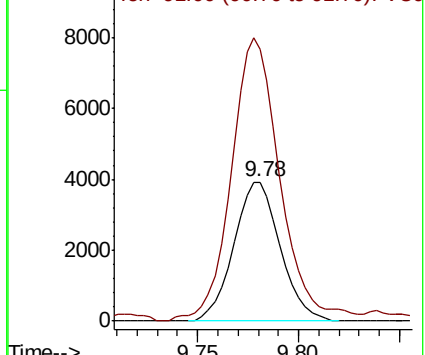
106 100

91 213.8 114.5 343.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#66

Styrene

Concen: 0.236 ug/l

RT: 9.79 min Scan# 2707

Delta R.T. 0.00 min

Lab File: VU029357.D

Acq: 06 Feb 2019 11:19

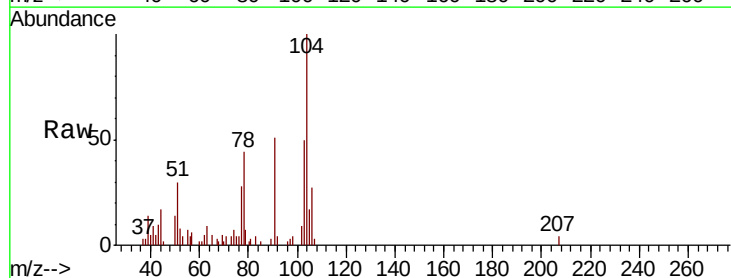
Tgt Ion:104 Resp: 10715

Ion Ratio Lower Upper

104 100

78 50.0 46.5 69.7

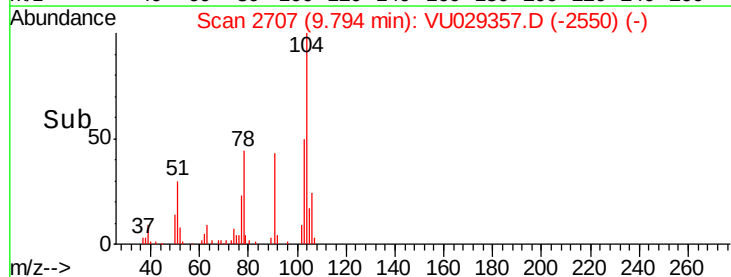
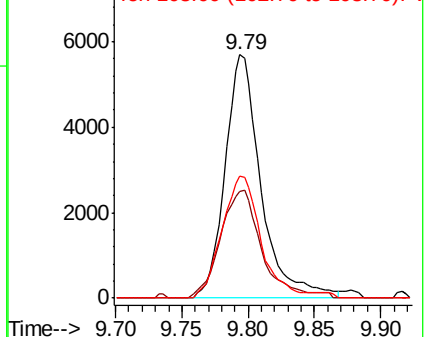
103 54.5 44.7 67.1

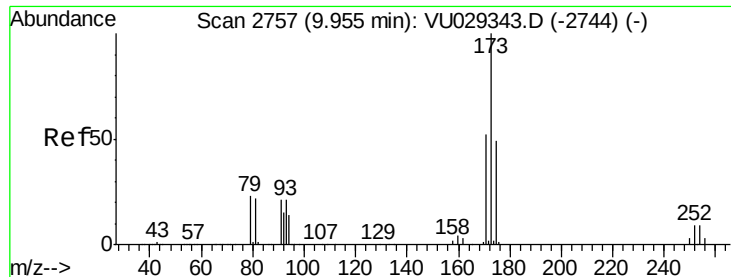


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

Ion 103.00 (102.70 to 103.70): V

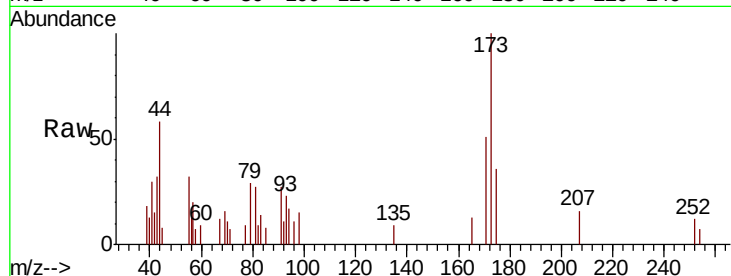




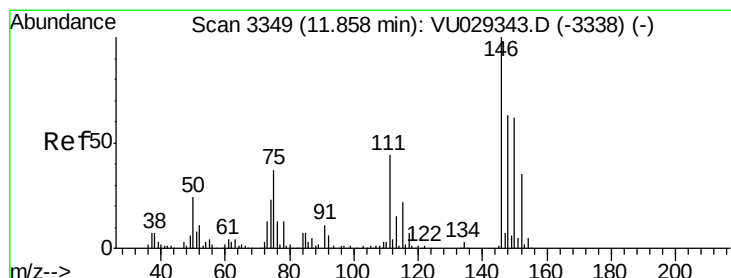
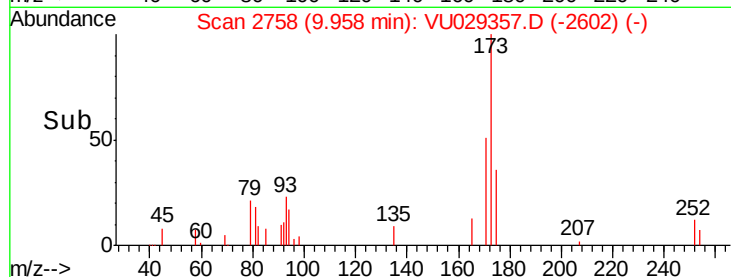
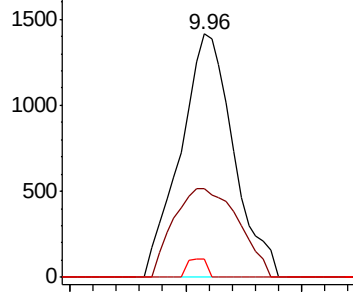
#67
 Bromoform
 Concen: 0.243 ug/l
 RT: 9.96 min Scan# 2758
 Delta R.T. 0.00 min
 Lab File: VU029357.D
 Acq: 06 Feb 2019 11:19

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL03

Tgt Ion:173 Resp: 2250
 Ion Ratio Lower Upper
 173 100
 175 44.5 38.9 58.3
 254 2.7 7.4 11.2#

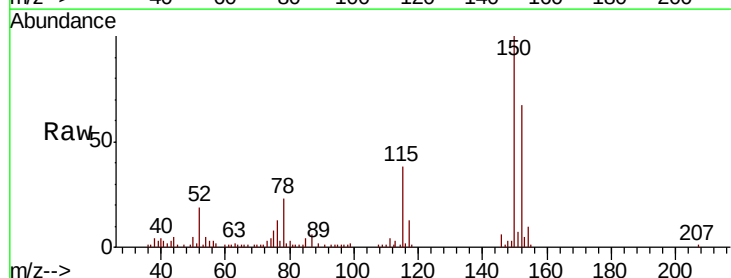


Abundance Ion 172.90 (172.60 to 173.60): V
 Ion 174.90 (174.60 to 175.60): V
 Ion 253.75 (253.45 to 254.45): V

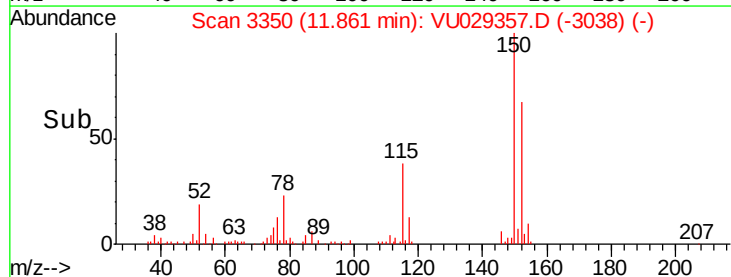
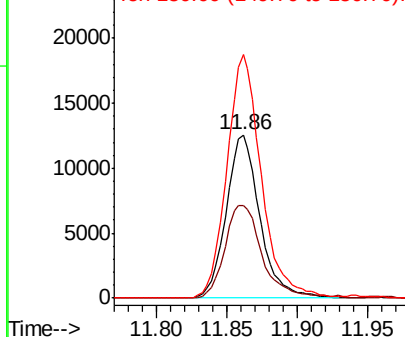


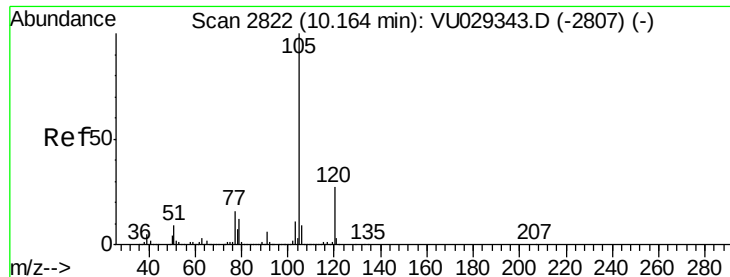
#68
 1,2-Dichlorobenzene-d4
 Concen: 0.243 ug/l
 RT: 11.86 min Scan# 3350
 Delta R.T. 0.00 min
 Lab File: VU029357.D
 Acq: 06 Feb 2019 11:19

Tgt Ion:152 Resp: 20863
 Ion Ratio Lower Upper
 152 100
 115 63.4 0.0 133.4
 150 153.0 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: 0.226 ug/l

RT: 10.17 min Scan# 2823

Delta R.T. 0.00 min

Lab File: VU029357.D

Acq: 06 Feb 2019 11:19

Instrument :

MSVOA_U

ClientSampleId :

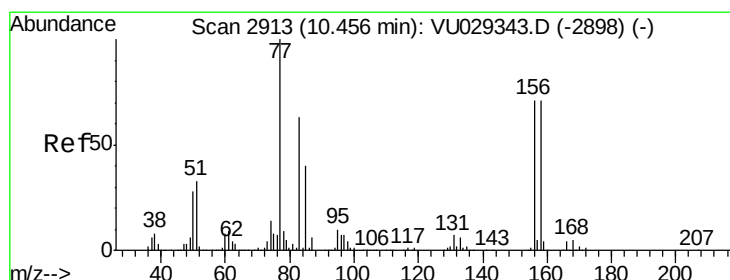
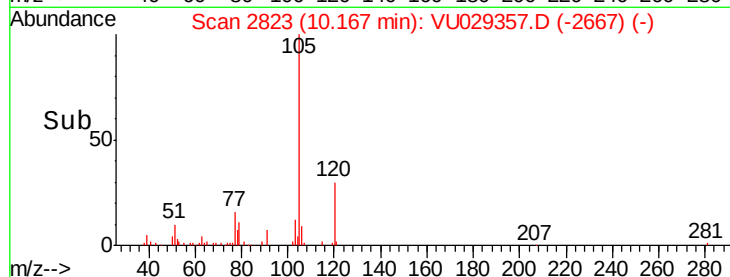
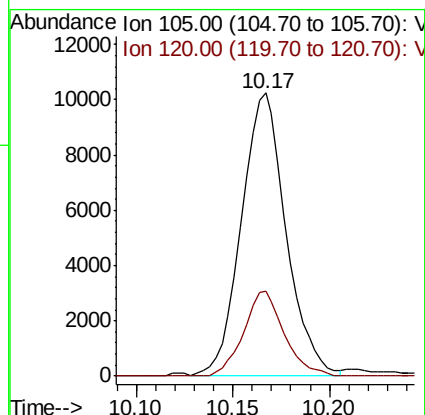
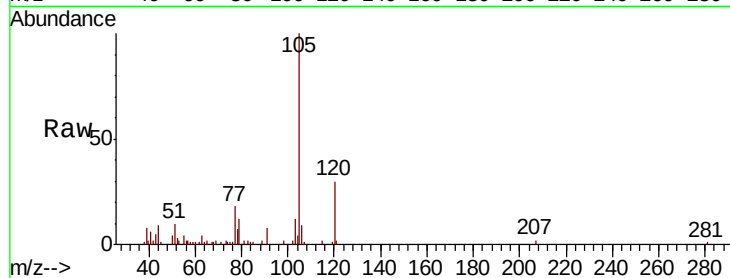
MDL03

Tgt Ion:105 Resp: 16465

Ion Ratio Lower Upper

105 100

120 27.3 12.6 37.6



#70

1,1,2,2-Tetrachloroethane

Concen: 0.221 ug/l

RT: 10.46 min Scan# 2914

Delta R.T. 0.00 min

Lab File: VU029357.D

Acq: 06 Feb 2019 11:19

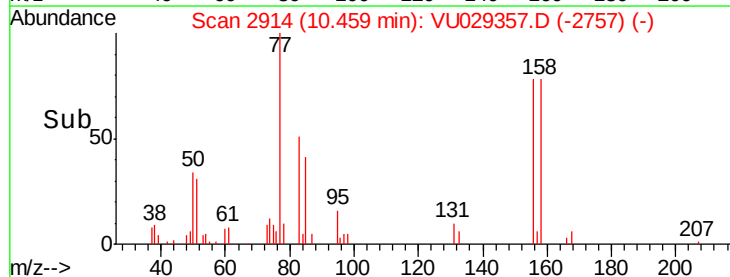
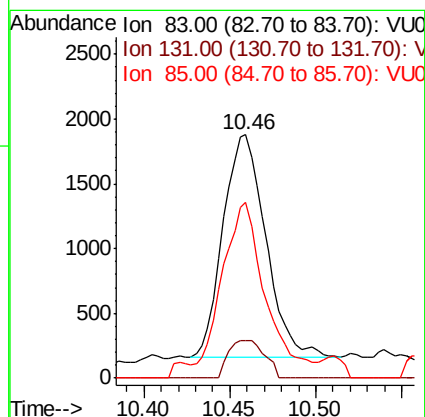
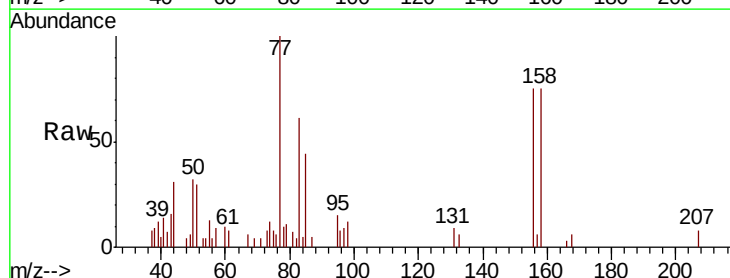
Tgt Ion: 83 Resp: 2961

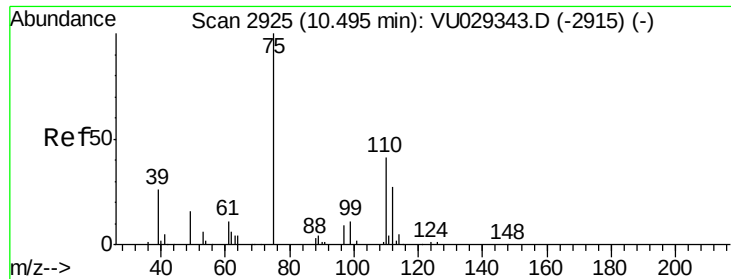
Ion Ratio Lower Upper

83 100

131 14.2 8.1 12.1#

85 82.1 50.3 75.5#





#71

1,2,3-Trichloropropane

Concen: 0.176 ug/l

RT: 10.49 min Scan# 2925

Delta R.T. -0.00 min

Lab File: VU029357.D

Acq: 06 Feb 2019 11:19

Instrument :

MSVOA_U

ClientSampled :

MDL03

Tgt Ion: 75 Resp: 1618

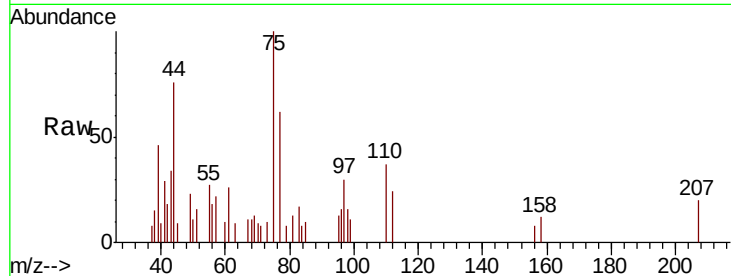
Ion Ratio Lower Upper

75 100

77 44.3 0.0 0.0#

110 50.3 0.0 63.6

97 13.0 0.0 31.4

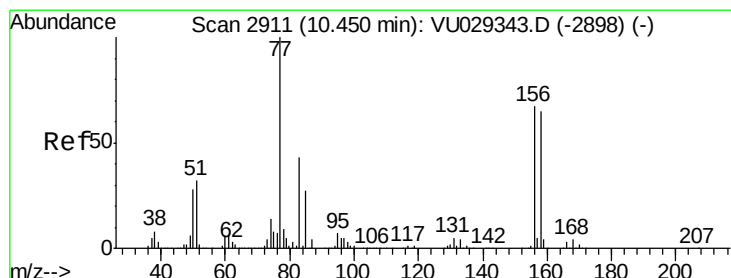
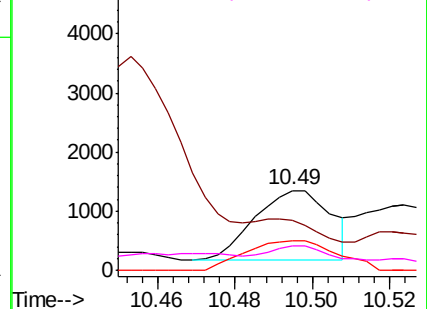
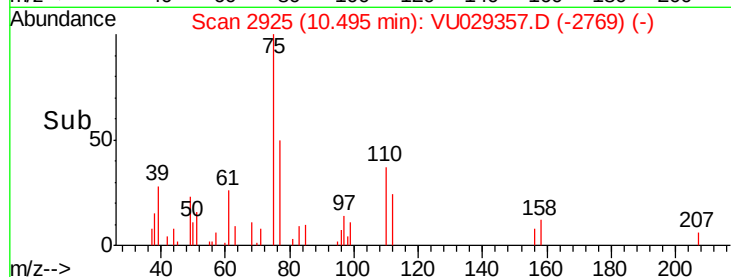


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

Ion 110.00 (109.70 to 110.70): V

Ion 97.00 (96.70 to 97.70): VU0



#72

Bromobenzene

Concen: 0.249 ug/l

RT: 10.46 min Scan# 2913

Delta R.T. 0.01 min

Lab File: VU029357.D

Acq: 06 Feb 2019 11:19

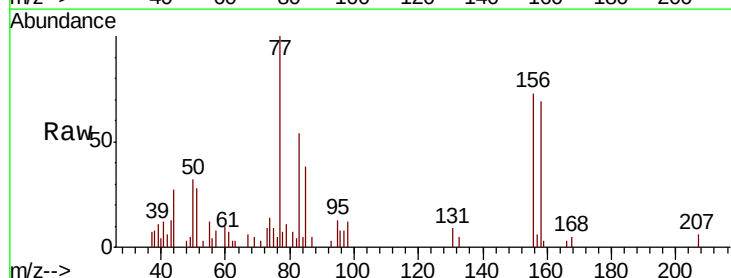
Tgt Ion: 156 Resp: 4399

Ion Ratio Lower Upper

156 100

77 135.7 0.0 343.8

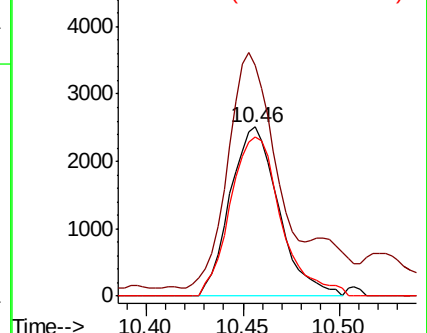
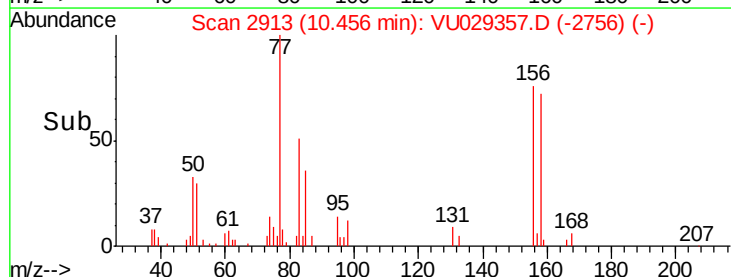
158 98.4 0.0 195.0

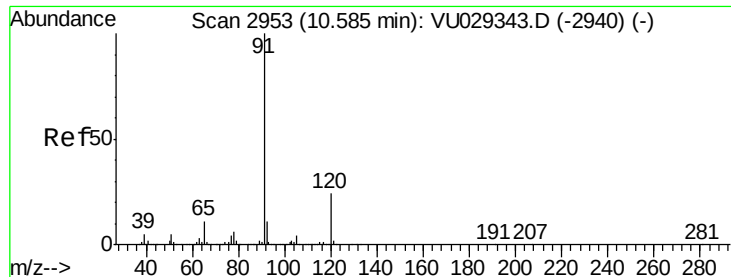


Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 158.00 (157.70 to 158.70): V





#73

n-propylbenzene

Concen: 0.254 ug/l

RT: 10.59 min Scan# 2954

Delta R.T. 0.00 min

Lab File: VU029357.D

Acq: 06 Feb 2019 11:19

Instrument :

MSVOA_U

ClientSampleId :

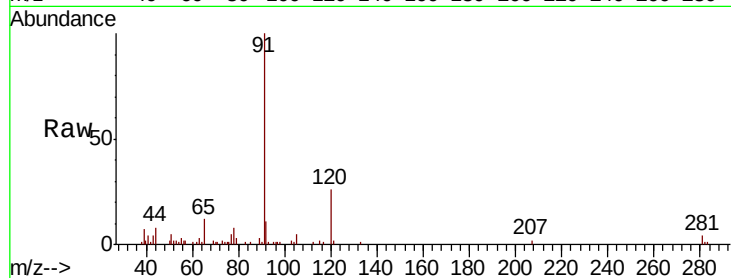
MDL03

Tgt Ion:120 Resp: 5145

Ion Ratio Lower Upper

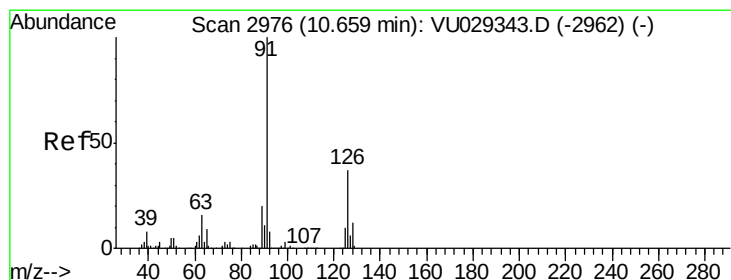
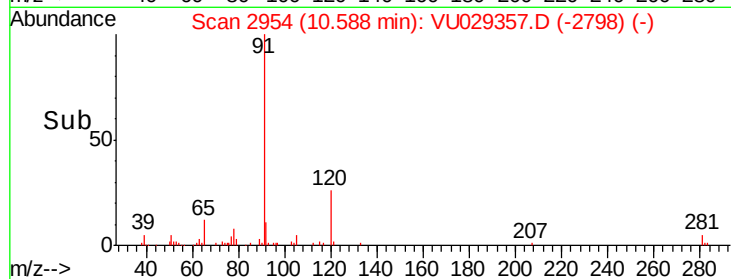
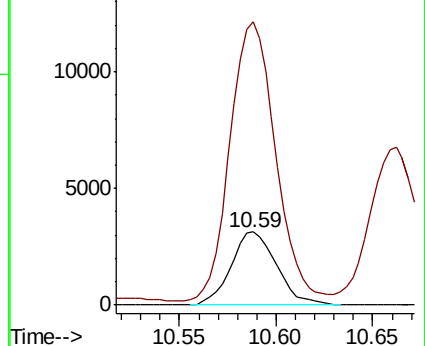
120 100

91 387.0 370.0 555.0



Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 0.248 ug/l

RT: 10.67 min Scan# 2978

Delta R.T. 0.01 min

Lab File: VU029357.D

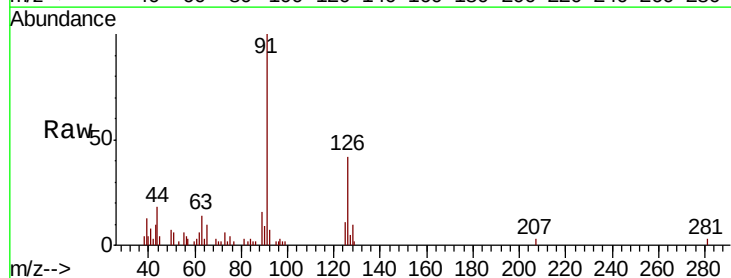
Acq: 06 Feb 2019 11:19

Tgt Ion:126 Resp: 4279

Ion Ratio Lower Upper

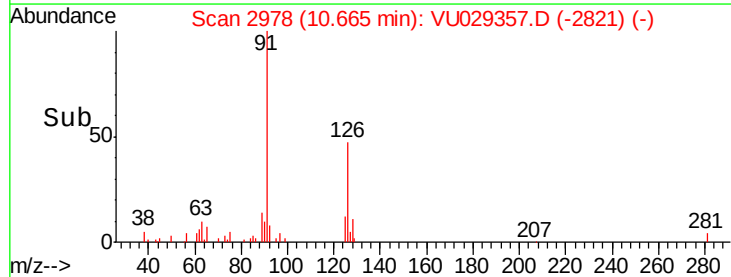
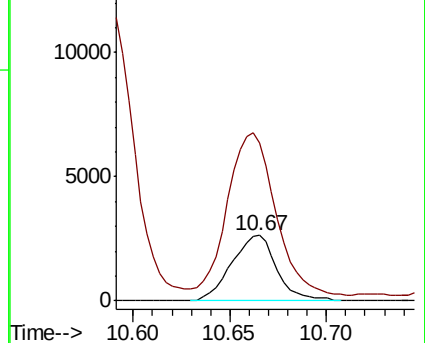
126 100

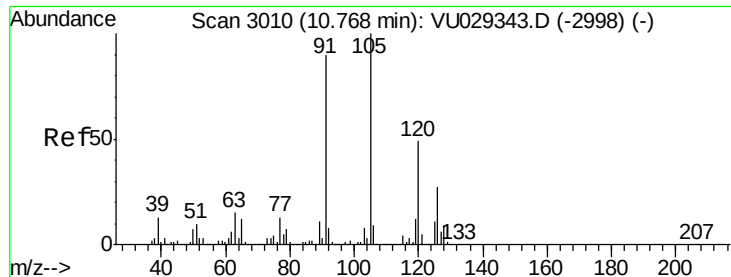
91 268.4 0.0 643.0



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: 0.230 ug/l

RT: 10.77 min Scan# 3011

Delta R.T. 0.00 min

Lab File: VU029357.D

Acq: 06 Feb 2019 11:19

Instrument :

MSVOA_U

ClientSampleId :

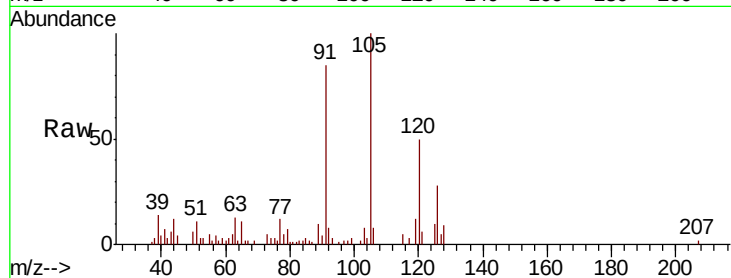
MDL03

Tgt Ion:105 Resp: 14403

Ion Ratio Lower Upper

105 100

120 49.6 37.3 55.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

10.77

8000

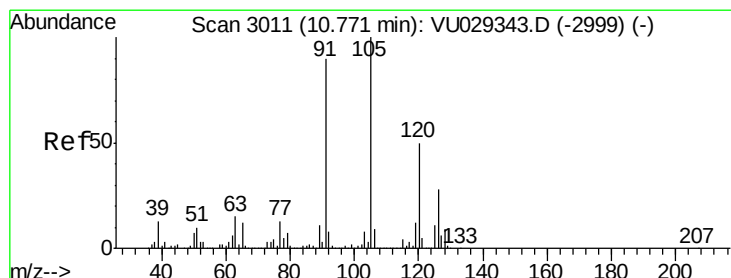
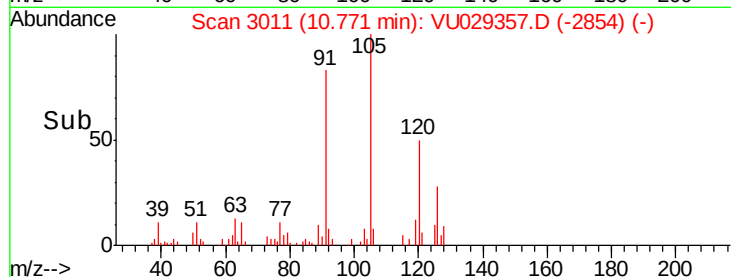
6000

4000

2000

0

Time--> 10.70 10.75 10.80



#76

4-Chlorotoluene

Concen: 0.243 ug/l

RT: 10.77 min Scan# 3011

Delta R.T. -0.00 min

Lab File: VU029357.D

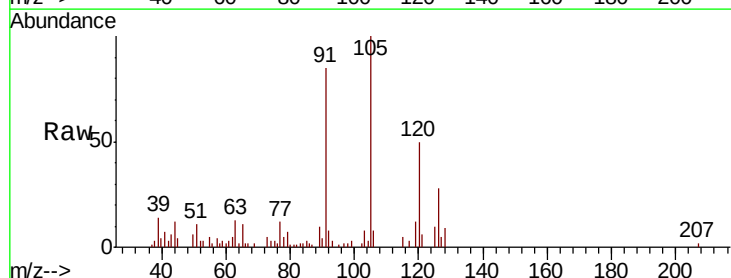
Acq: 06 Feb 2019 11:19

Tgt Ion:126 Resp: 4347

Ion Ratio Lower Upper

126 100

91 294.2 0.0 727.4



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0

8000

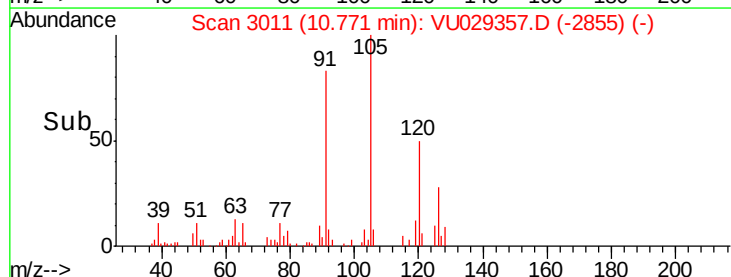
6000

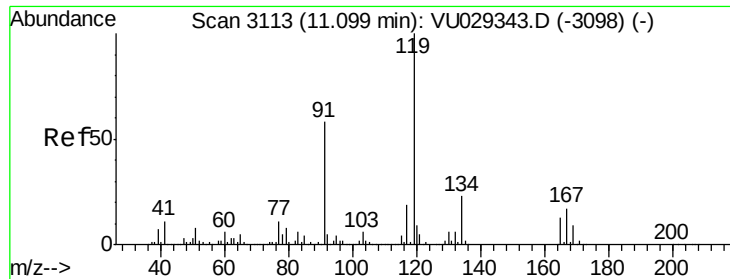
4000

2000

0

Time--> 10.70 10.75 10.80 10.85

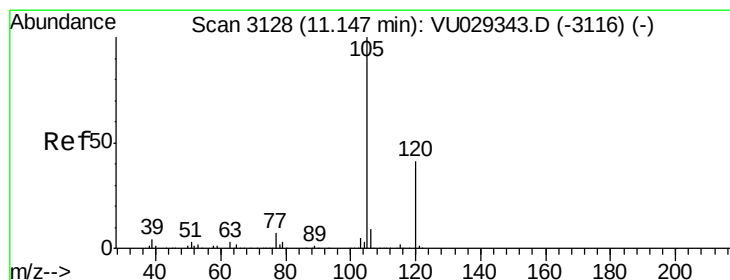
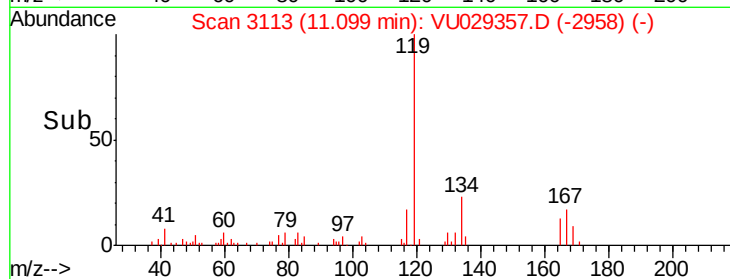
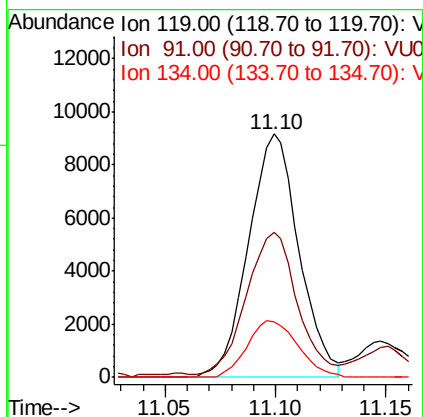
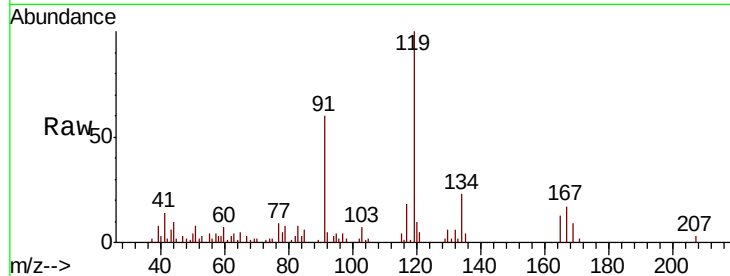




#77
 tert-Butylbenzene
 Concen: 0.234 ug/l
 RT: 11.10 min Scan# 3113
 Delta R.T. -0.00 min
 Lab File: VU029357.D
 Acq: 06 Feb 2019 11:19

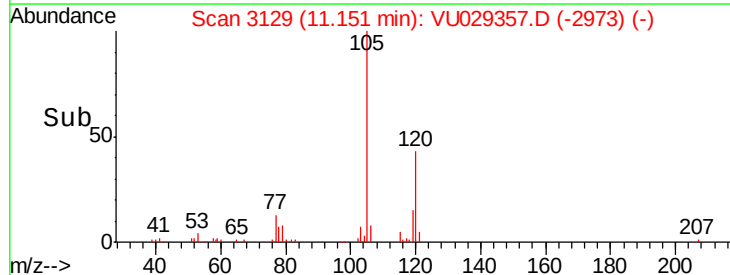
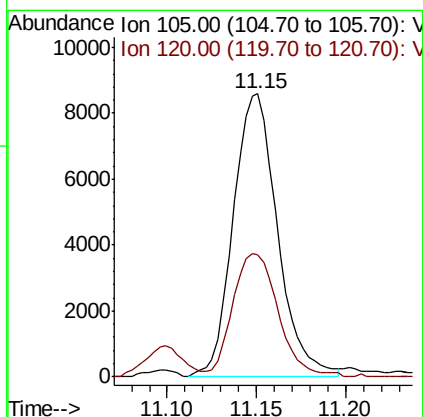
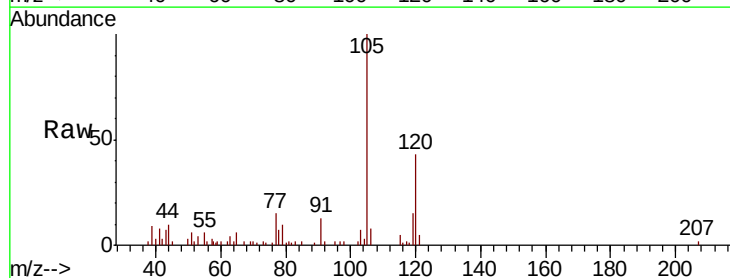
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL03

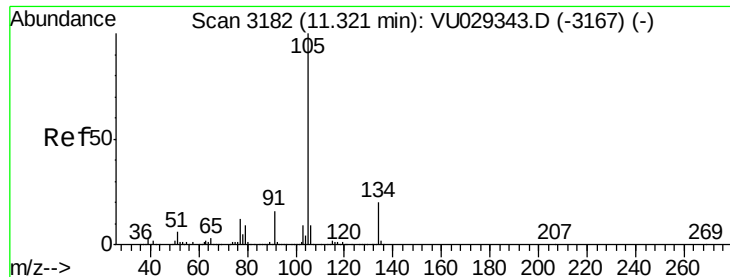
Tgt Ion:119 Resp: 14542
 Ion Ratio Lower Upper
 119 100
 91 59.6 32.2 96.6
 134 23.5 17.6 26.4



#78
 1,2,4-Trimethylbenzene
 Concen: 0.234 ug/l
 RT: 11.15 min Scan# 3129
 Delta R.T. 0.00 min
 Lab File: VU029357.D
 Acq: 06 Feb 2019 11:19

Tgt Ion:105 Resp: 14844
 Ion Ratio Lower Upper
 105 100
 120 45.0 21.4 64.3





#79

sec-Butylbenzene

Concen: 0.235 ug/l

RT: 11.32 min Scan# 3183

Delta R.T. 0.00 min

Lab File: VU029357.D

Acq: 06 Feb 2019 11:19

Instrument :

MSVOA_U

ClientSampleId :

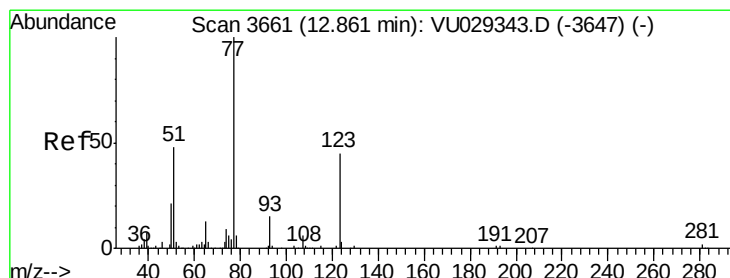
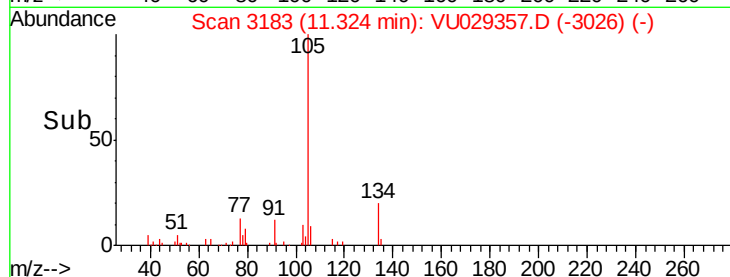
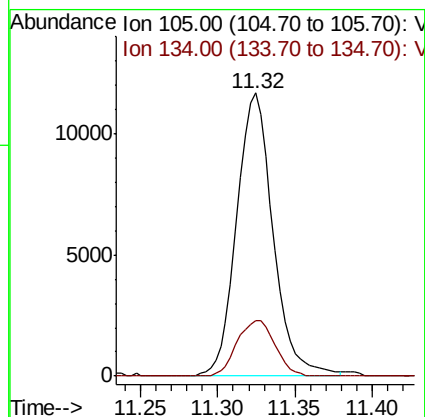
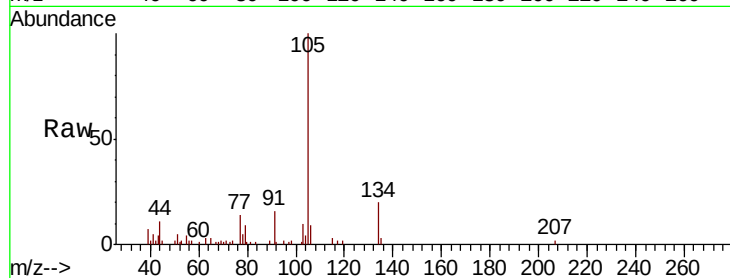
MDL03

Tgt Ion:105 Resp: 19099

Ion Ratio Lower Upper

105 100

134 20.5 15.0 22.6



#80

Nitrobenzene

Concen: 0.866 ug/l

RT: 12.88 min Scan# 3668

Delta R.T. 0.02 min

Lab File: VU029357.D

Acq: 06 Feb 2019 11:19

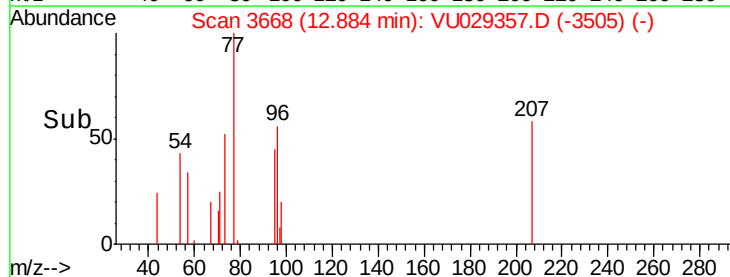
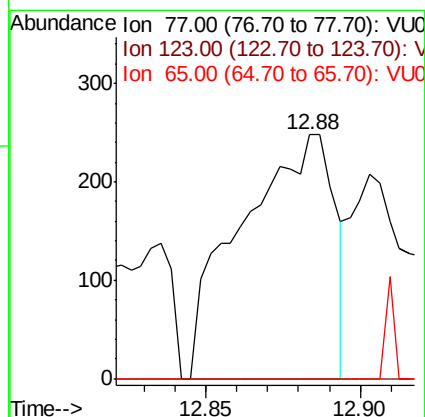
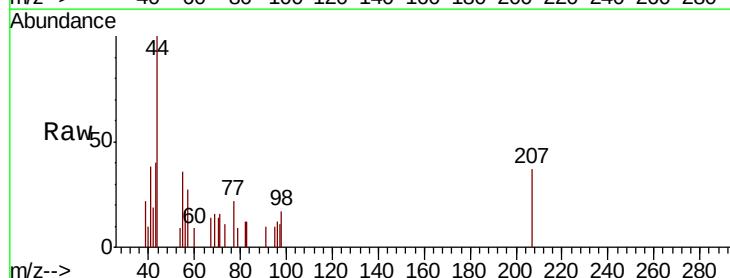
Tgt Ion: 77 Resp: 518

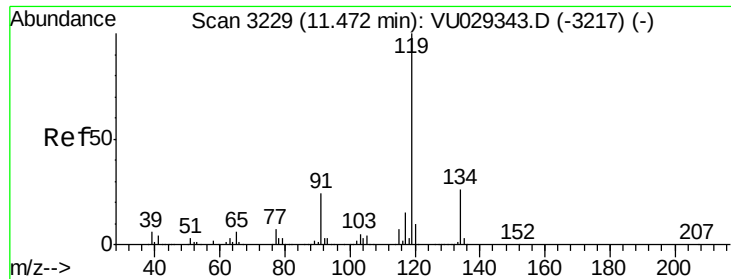
Ion Ratio Lower Upper

77 100

123 0.0 17.5 61.9#

65 0.0 10.8 13.8#

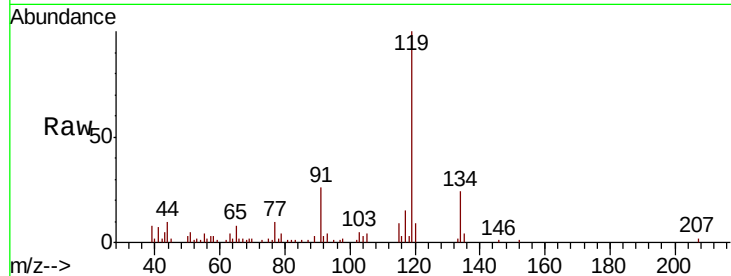




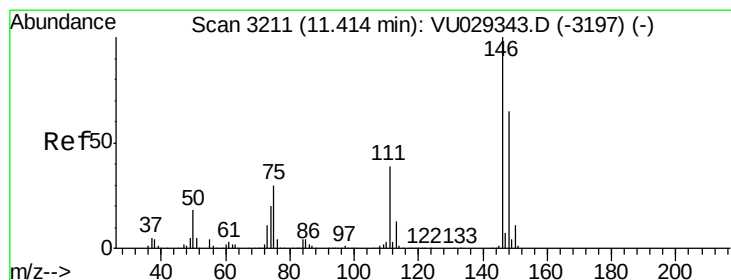
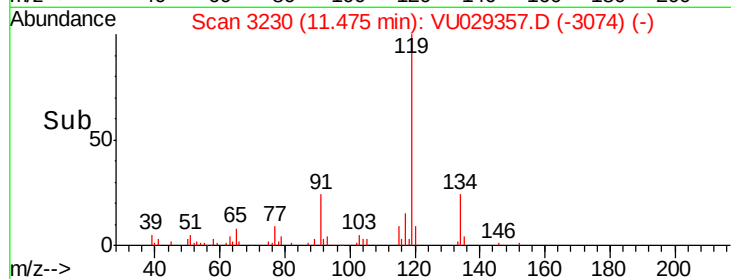
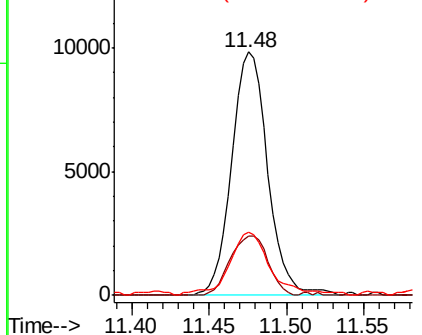
#81
p-Isopropyltoluene
Concen: 0.231 ug/l
RT: 11.48 min Scan# 3230
Delta R.T. 0.00 min
Lab File: VU029357.D
Acq: 06 Feb 2019 11:19

Instrument :
MSVOA_U
ClientSampled :
MDL03

Tgt Ion:119 Resp: 15897
Ion Ratio Lower Upper
119 100
134 25.7 19.8 29.6
91 29.3 21.5 32.3

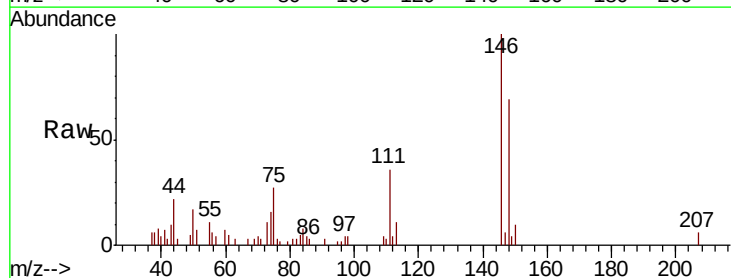


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V

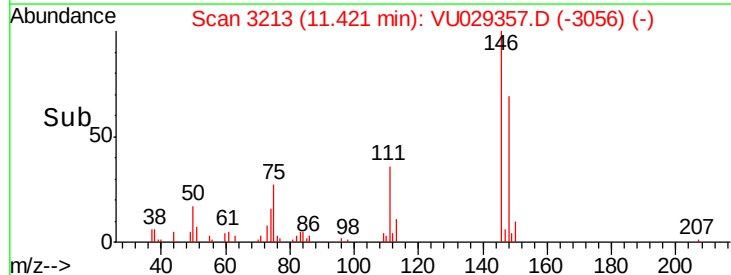
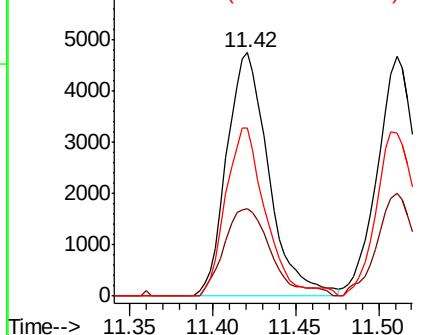


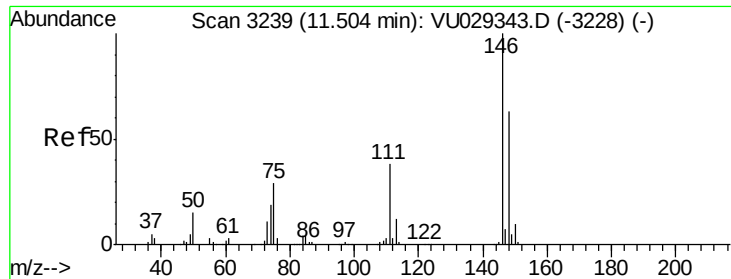
#82
1,3-Dichlorobenzene
Concen: 0.242 ug/l
RT: 11.42 min Scan# 3213
Delta R.T. 0.01 min
Lab File: VU029357.D
Acq: 06 Feb 2019 11:19

Tgt Ion:146 Resp: 8379
Ion Ratio Lower Upper
146 100
111 40.1 34.1 51.1
148 65.9 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

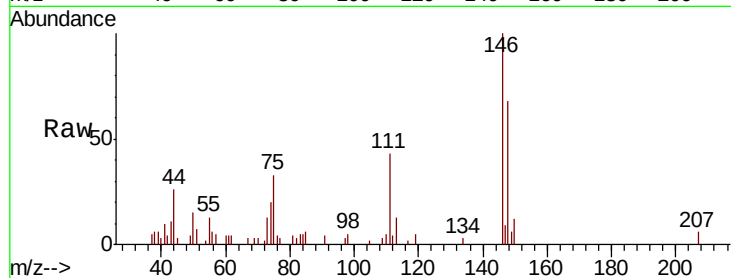




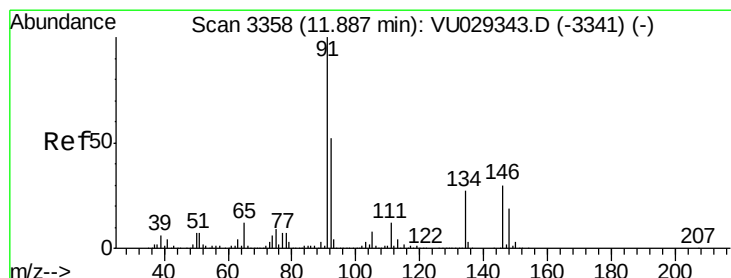
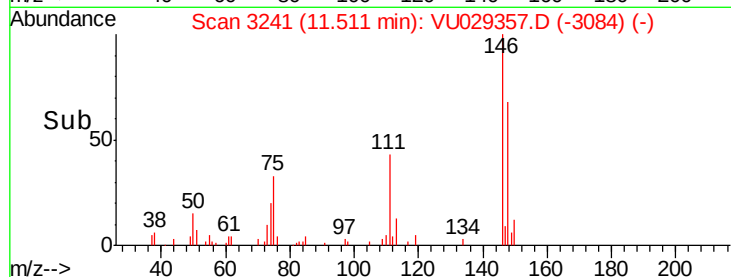
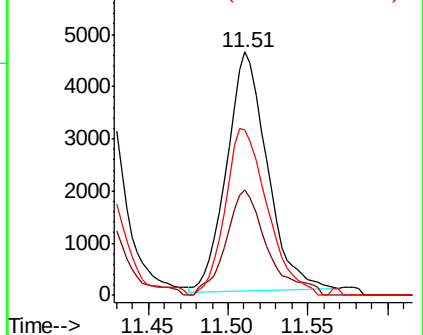
#83
 1,4-Dichlorobenzene
 Concen: 0.228 ug/l
 RT: 11.51 min Scan# 3241
 Delta R.T. 0.01 min
 Lab File: VU029357.D
 Acq: 06 Feb 2019 11:19

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL03

Tgt Ion: 146 Resp: 7876
 Ion Ratio Lower Upper
 146 100
 111 45.2 32.9 49.3
 148 73.0 51.8 77.6

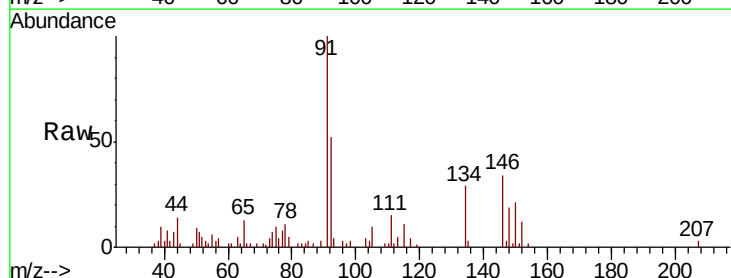


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

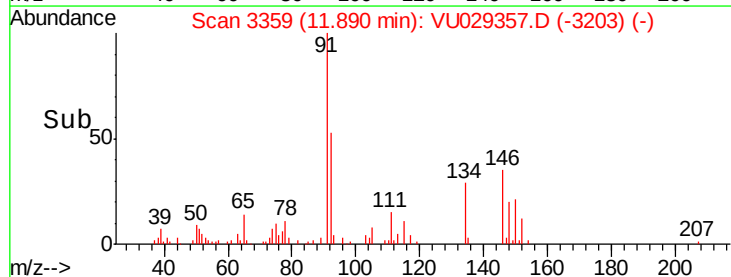
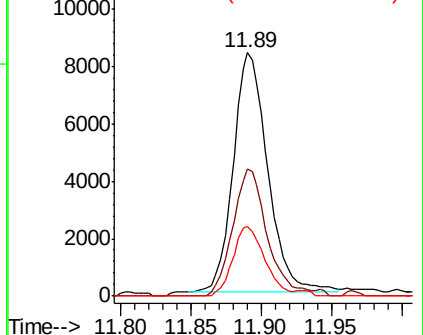


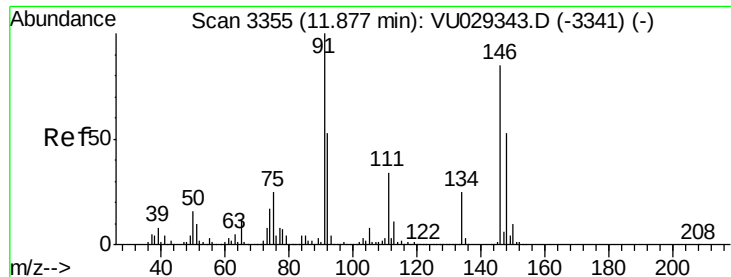
#84
 n-Butylbenzene
 Concen: 0.227 ug/l
 RT: 11.89 min Scan# 3359
 Delta R.T. 0.00 min
 Lab File: VU029357.D
 Acq: 06 Feb 2019 11:19

Tgt Ion: 91 Resp: 14323
 Ion Ratio Lower Upper
 91 100
 92 53.6 41.0 61.6
 134 26.9 19.1 28.7



Abundance Ion 91.00 (90.70 to 91.70): VU0
 Ion 92.00 (91.70 to 92.70): VU0
 Ion 134.00 (133.70 to 134.70): V

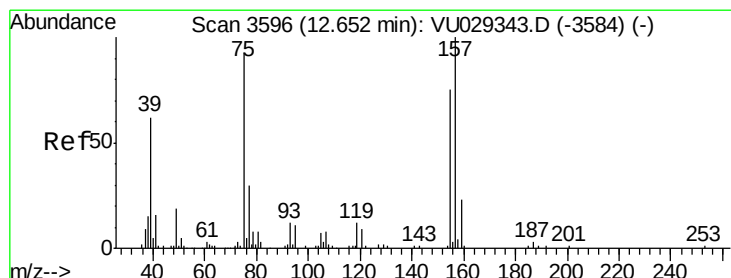
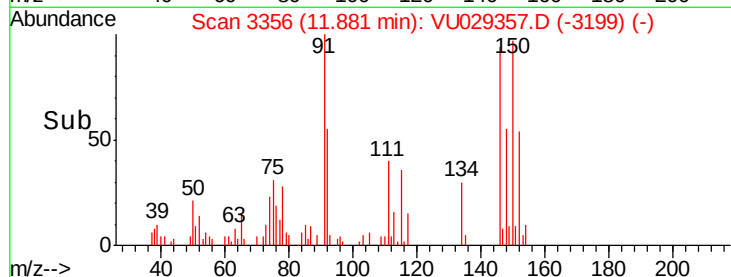
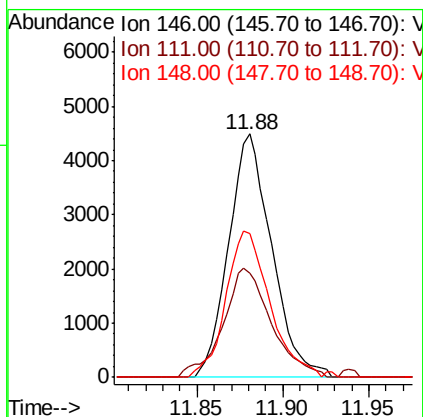
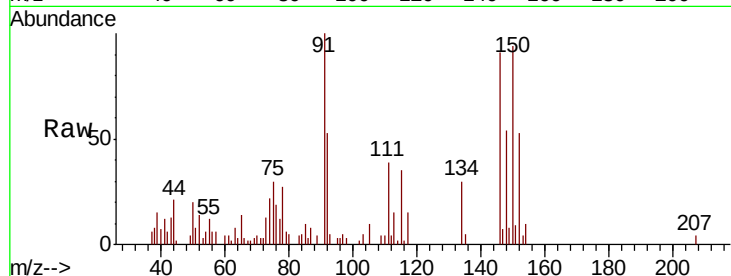




#85
 1,2-Dichlorobenzene
 Concen: 0.239 ug/l
 RT: 11.88 min Scan# 3356
 Delta R.T. 0.00 min
 Lab File: VU029357.D
 Acq: 06 Feb 2019 11:19

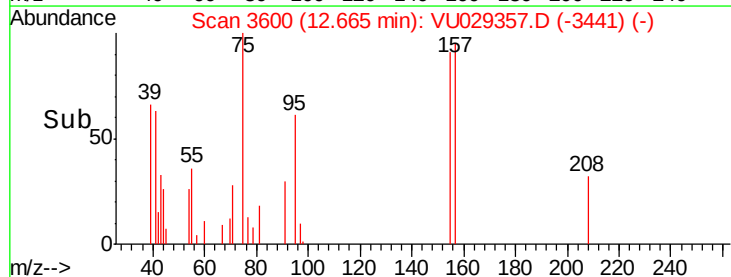
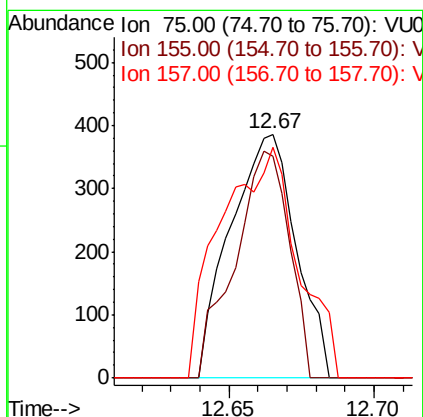
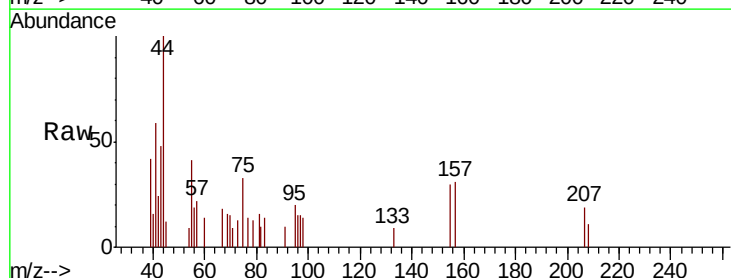
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL03

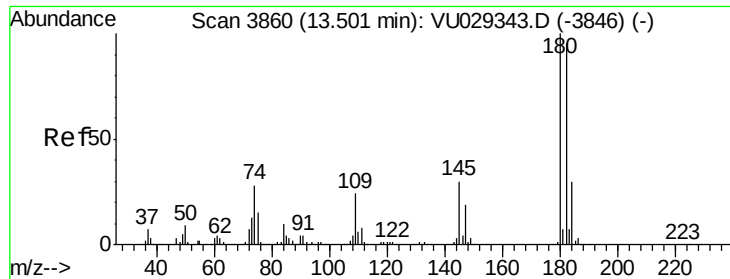
Tgt Ion: 146 Resp: 7823
 Ion Ratio Lower Upper
 146 100
 111 50.2 21.9 65.8
 148 61.3 31.8 95.3



#86
 1,2-Dibromo-3-Chloropropane
 Concen: 0.242 ug/l
 RT: 12.67 min Scan# 3600
 Delta R.T. 0.01 min
 Lab File: VU029357.D
 Acq: 06 Feb 2019 11:19

Tgt Ion: 75 Resp: 606
 Ion Ratio Lower Upper
 75 100
 155 77.4 53.8 80.8
 157 111.4 69.2 103.8#





#87

1,2,4-Trichlorobenzene

Concen: 0.211 ug/l

RT: 13.51 min Scan# 3863

Delta R.T. 0.01 min

Lab File: VU029357.D

Acq: 06 Feb 2019 11:19

Instrument :

MSVOA_U

ClientSampleId :

MDL03

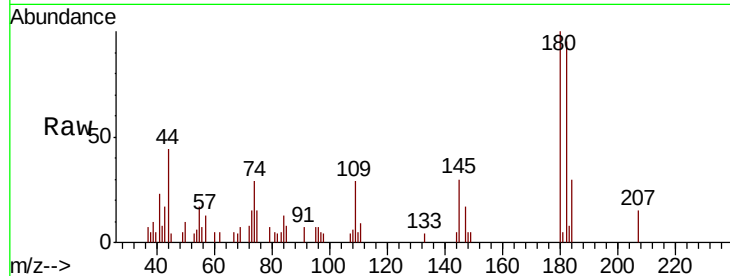
Tgt Ion:180 Resp: 4850

Ion Ratio Lower Upper

180 100

182 94.5 76.6 114.8

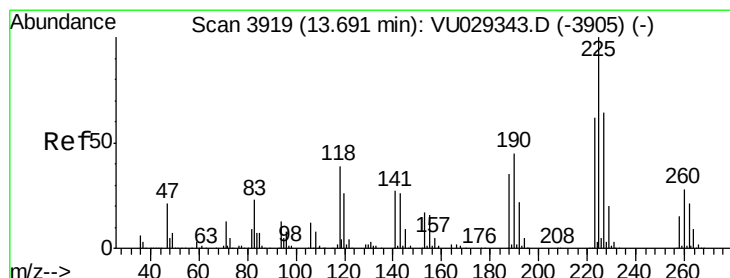
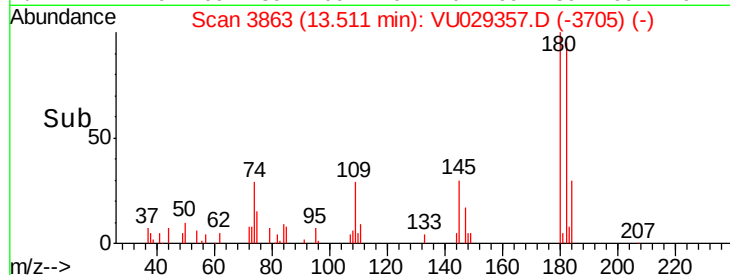
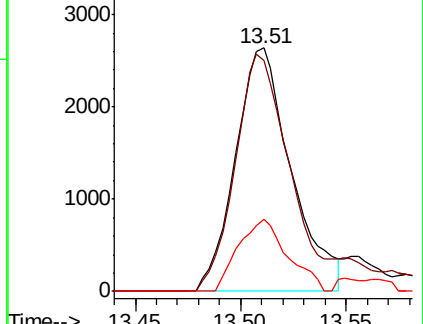
145 26.2 24.6 36.8



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: 0.255 ug/l

RT: 13.69 min Scan# 3919

Delta R.T. -0.00 min

Lab File: VU029357.D

Acq: 06 Feb 2019 11:19

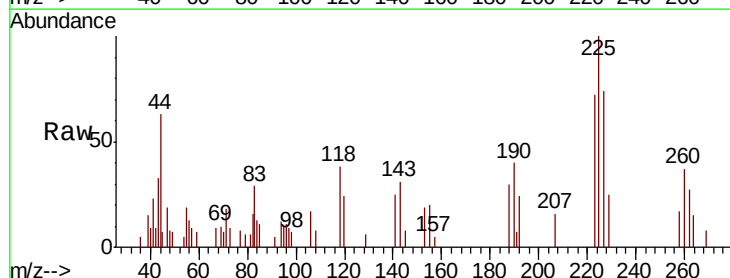
Tgt Ion:225 Resp: 3398

Ion Ratio Lower Upper

225 100

223 66.5 49.5 74.3

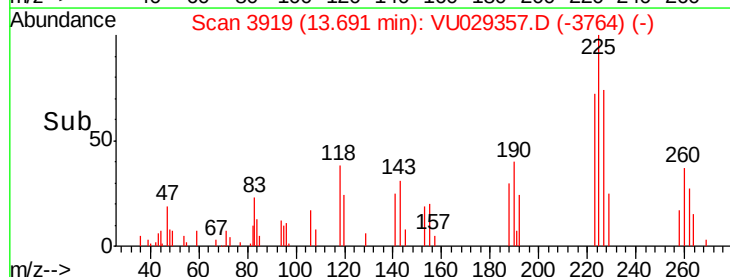
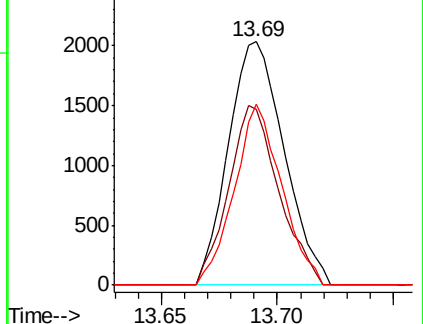
227 63.1 50.4 75.6

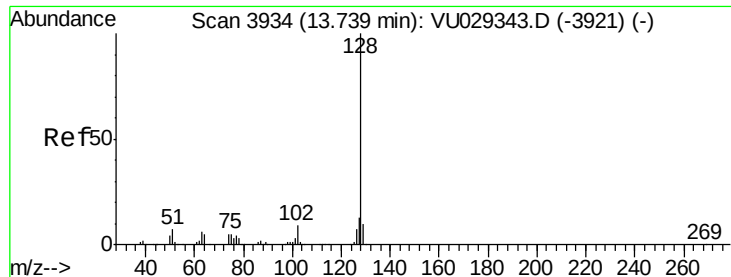


Abundance Ion 224.60 (224.30 to 225.30): V

Ion 222.60 (222.30 to 223.30): V

Ion 226.60 (226.30 to 227.30): V





#89

Naphthalene

Concen: 0.185 ug/l

RT: 13.75 min Scan# 3938

Delta R.T. 0.01 min

Lab File: VU029357.D

Acq: 06 Feb 2019 11:19

Instrument :

MSVOA_U

ClientSampleId :

MDL03

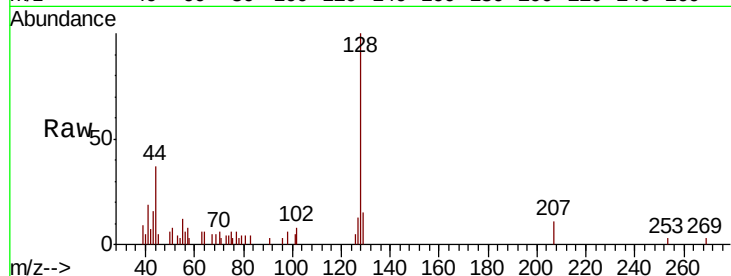
Tgt Ion:128 Resp: 7197

Ion Ratio Lower Upper

128 100

127 10.2 10.7 16.1#

129 10.1 8.2 12.4

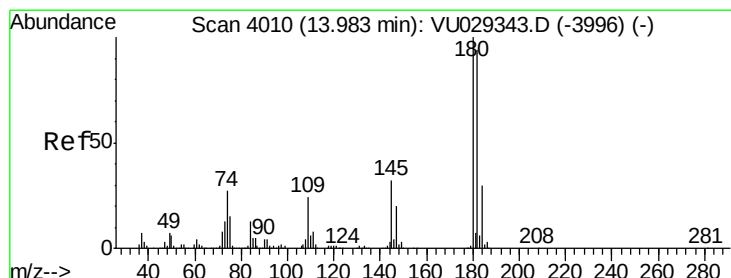
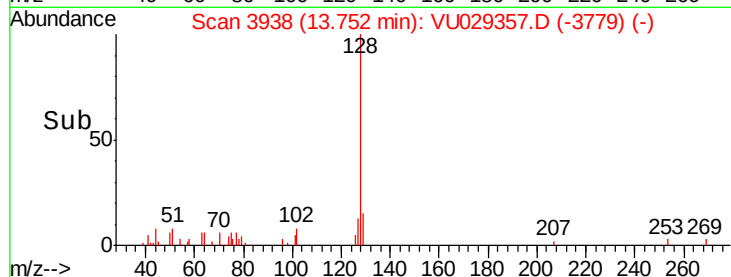
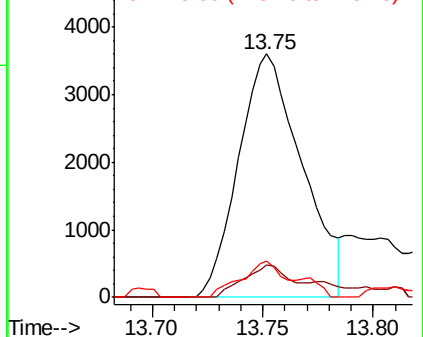


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#90

1,2,3-Trichlorobenzene

Concen: 0.263 ug/l

RT: 13.99 min Scan# 4013

Delta R.T. 0.01 min

Lab File: VU029357.D

Acq: 06 Feb 2019 11:19

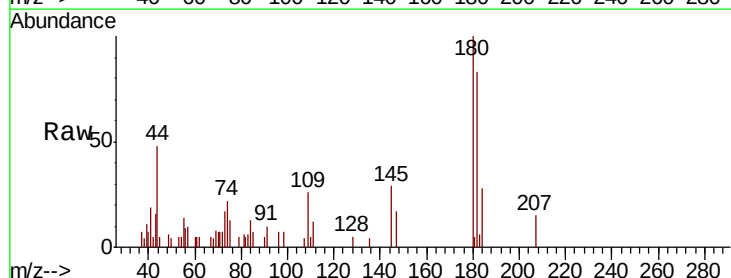
Tgt Ion:180 Resp: 5519

Ion Ratio Lower Upper

180 100

182 94.6 78.0 117.0

145 26.2 26.6 39.8#



Abundance

Ion 179.70 (179.40 to 180.40): V

Ion 181.70 (181.40 to 182.40): V

Ion 144.80 (144.50 to 145.50): V

