

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U020819\
 Data File : VU029374.D
 Acq On : 08 Feb 2019 11:59
 Operator : JC/SP
 Sample : K1161-11
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	5.74	96	61988	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.31	95	21717	0.90	ug/l	0.00
Spiked Amount 1.000			Recovery	=	90.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	23292	0.94	ug/l	0.00
Spiked Amount 1.000			Recovery	=	94.00%	

Target Compounds

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

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

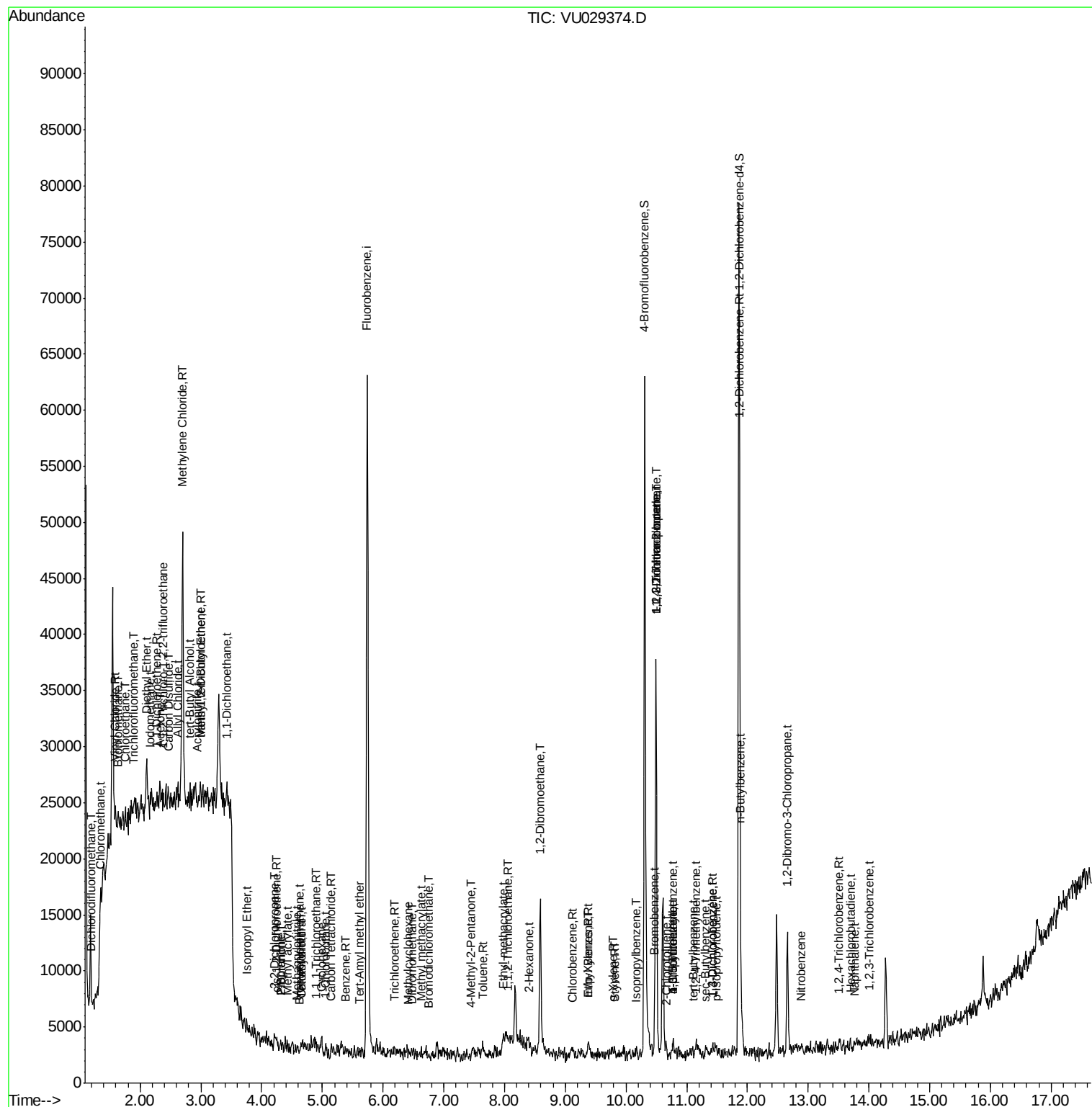
47) Methyl methacrylate	6.64	69	320	0.038	ug/l #	25
48) Ethyl methacrylate	7.98	69	160	0.009	ug/l	61
49) Toluene	7.65	92	409	0.009	ug/l #	17
52) 1,1,2-Trichloroethane	8.05	97	79	0.006	ug/l #	14
54) 2-Hexanone	8.39	43	498	0.064	ug/l	89
56) 1,2-Dibromoethane	8.59	107	9931	0.769	ug/l	98
59) Chlorobenzene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

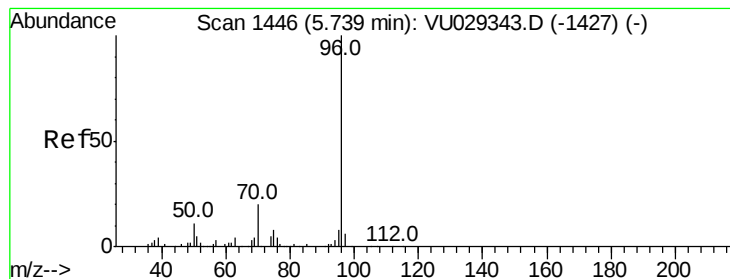
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.74 min Scan# 1446

Delta R.T. -0.00 min

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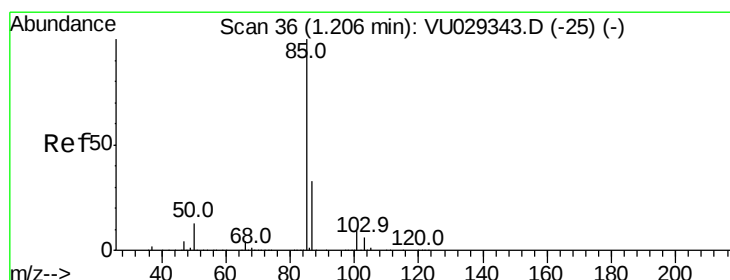
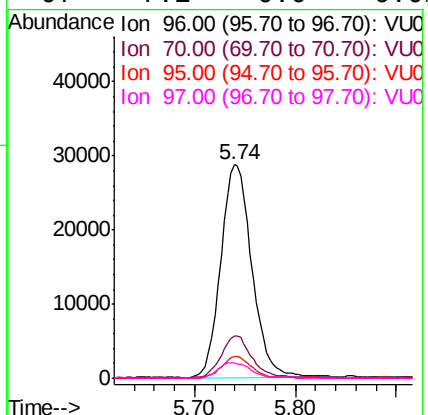
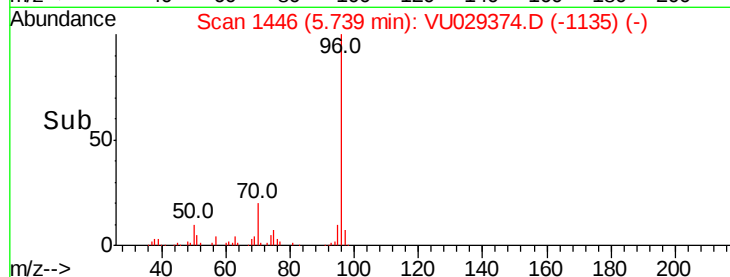
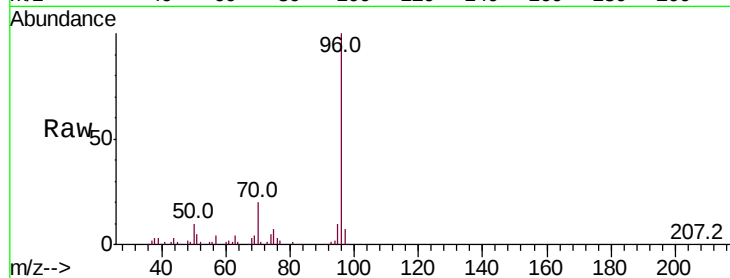
Acq: 08 Feb 2019 11:59

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 96 Resp: 61988

Ion Ratio Lower Upper

96	100		
70	19.0	16.2	24.2
95	8.8	7.4	11.2
97	7.1	0.0	0.0#



#2

Dichlorodifluoromethane

Concen: 0.007 ug/l

RT: 1.21 min Scan# 37

Delta R.T. 0.00 min

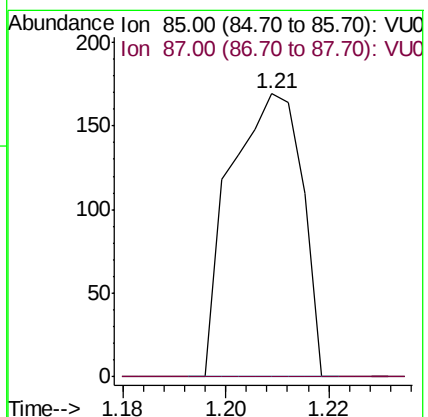
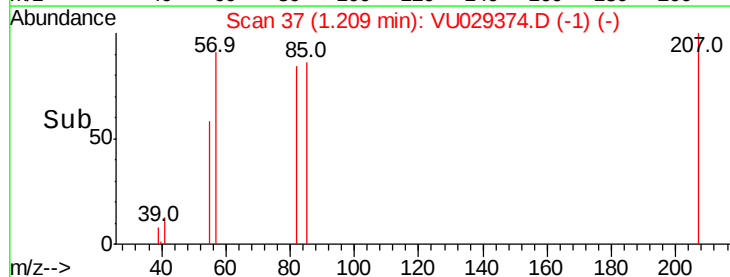
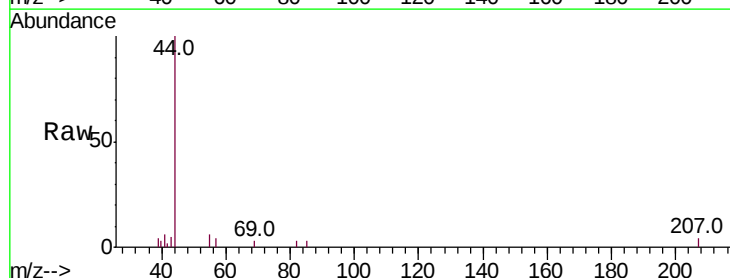
Lab File: VU029374.D

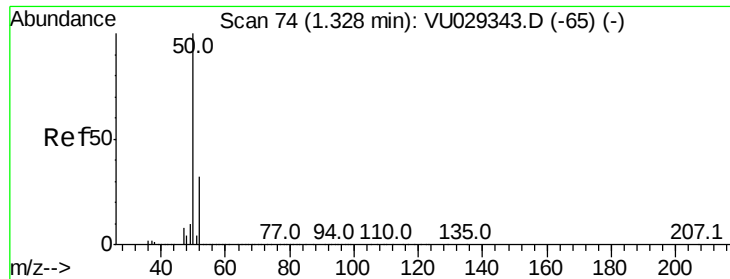
Acq: 08 Feb 2019 11:59

Tgt Ion: 85 Resp: 162

Ion Ratio Lower Upper

85	100		
87	0.0	15.9	47.6#





#3

Chloromethane

Concen: 0.027 ug/l

RT: 1.33 min Scan# 74

Delta R.T. -0.00 min

Lab File: VU029374.D

Acq: 08 Feb 2019 11:59

Instrument :

MSVOA_U

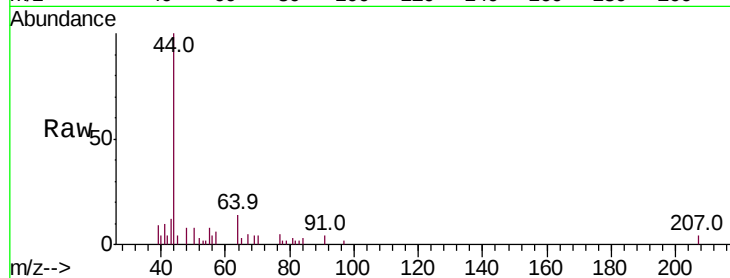
ClientSampled :

Tot Ion: 50 Resp: 580

Ion Ratio Lower Upper

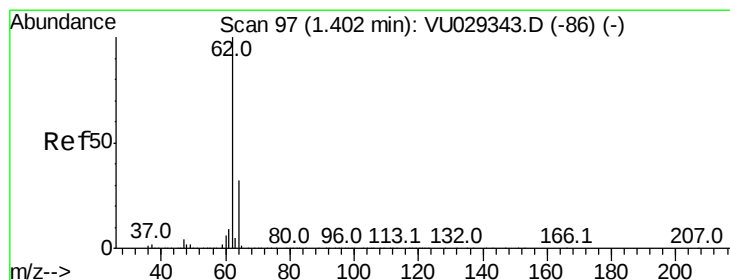
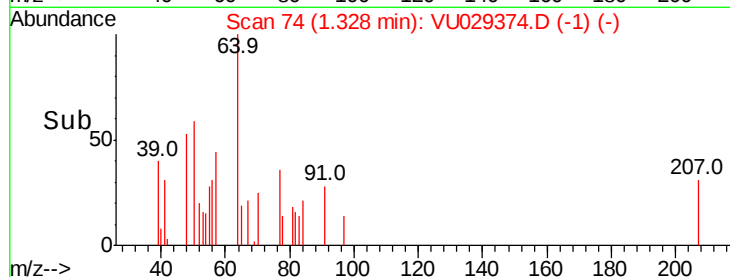
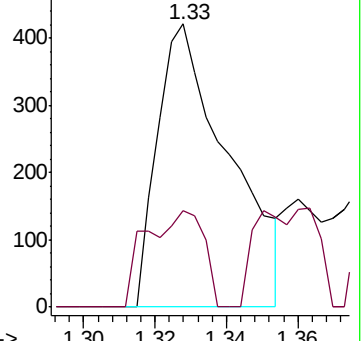
50 100

52 34.0 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: 0.003 ug/l

RT: 1.60 min Scan# 159

Delta R.T. 0.20 min

Lab File: VU029374.D

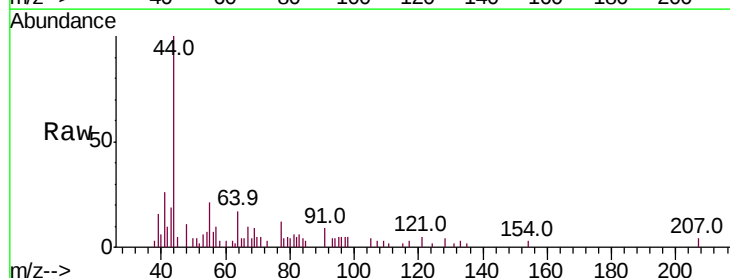
Acq: 08 Feb 2019 11:59

Tgt Ion: 62 Resp: 75

Ion Ratio Lower Upper

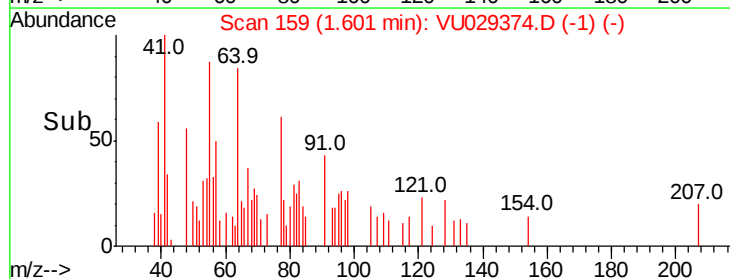
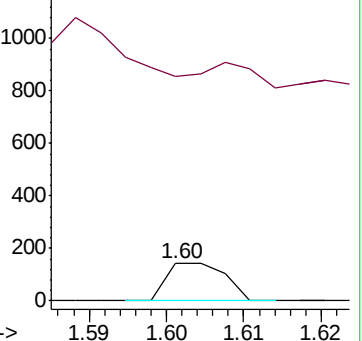
62 100

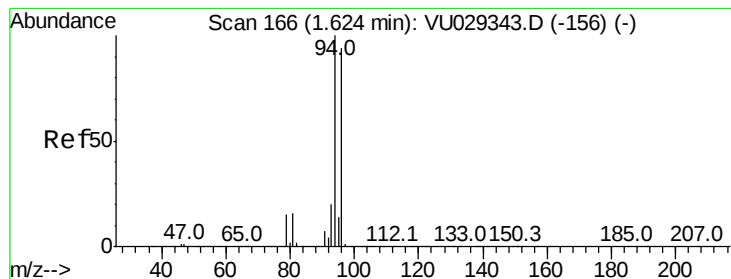
64 32.2 25.2 37.8



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0





#5

Bromomethane

Concen: 0.033 ug/l

RT: 1.63 min Scan# 169

Delta R.T. 0.01 min

Lab File: VU029374.D

Acq: 08 Feb 2019 11:59

Instrument :

MSVOA_U

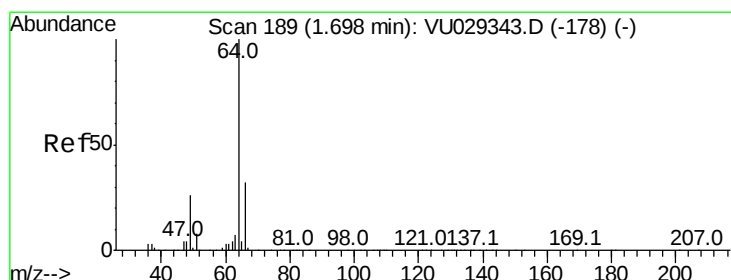
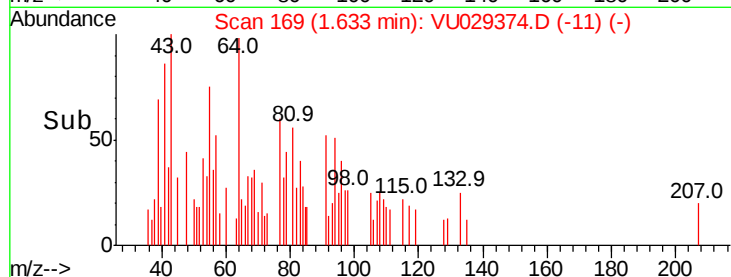
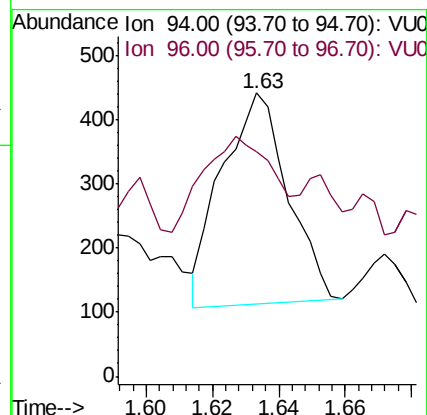
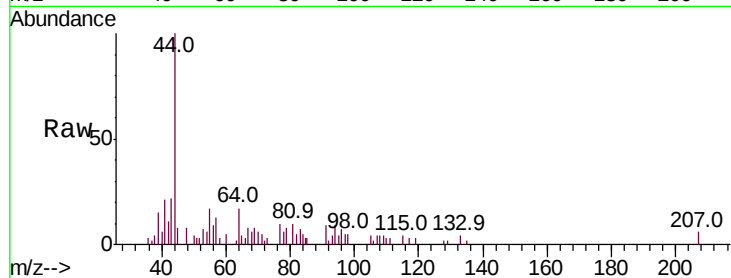
ClientSampleId :

Tot Ion: 94 Resp: 455

Ion Ratio Lower Upper

94 100

96 29.1 71.7 107.5#



#6

Chloroethane

Concen: 0.015 ug/l

RT: 1.75 min Scan# 206

Delta R.T. 0.05 min

Lab File: VU029374.D

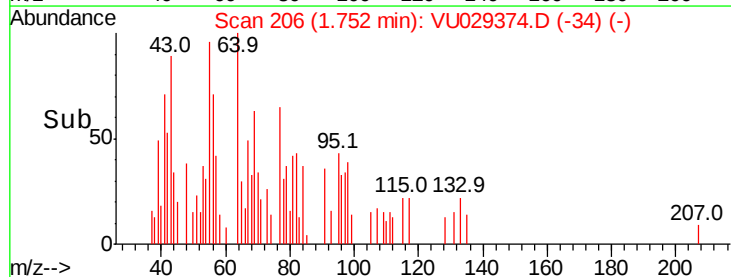
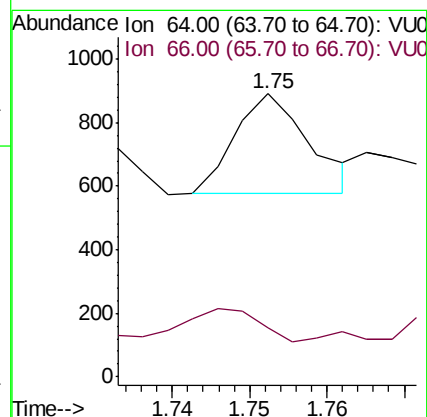
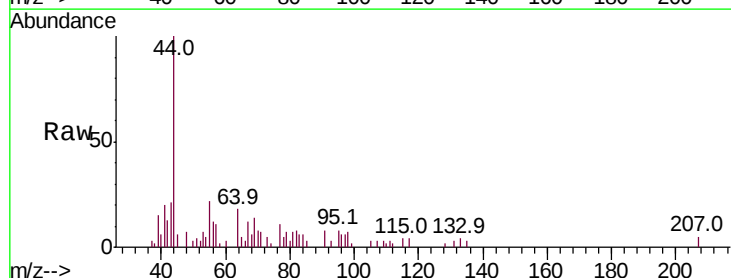
Acq: 08 Feb 2019 11:59

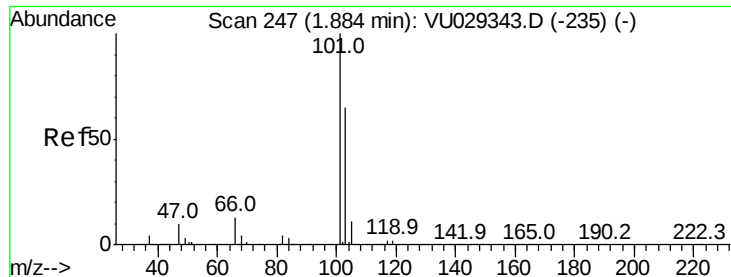
Tgt Ion: 64 Resp: 210

Ion Ratio Lower Upper

64 100

66 4.1 26.3 39.5#



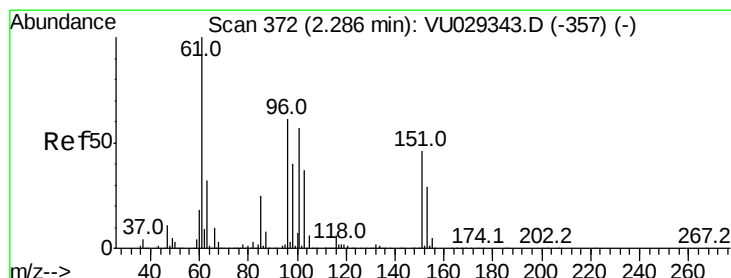
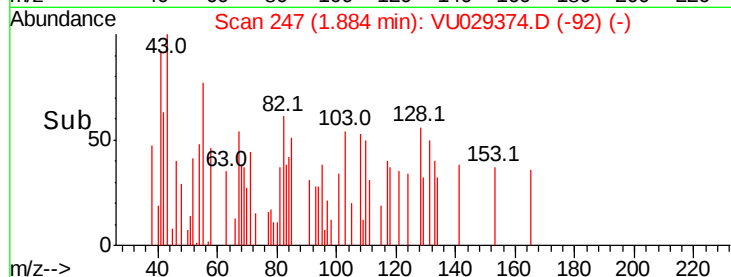
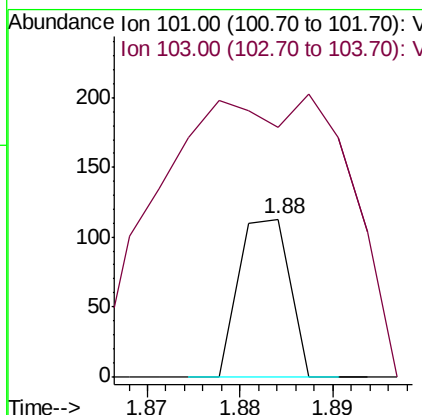
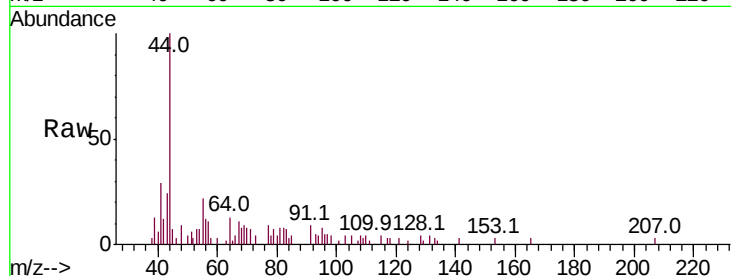


#7

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

Instrument :
MSVOA_U
ClientSampled :

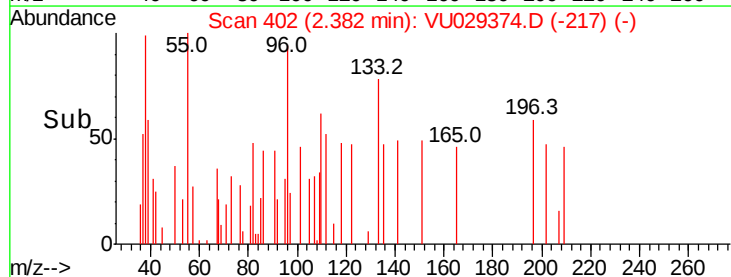
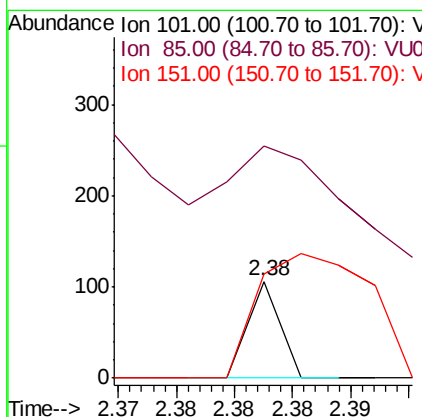
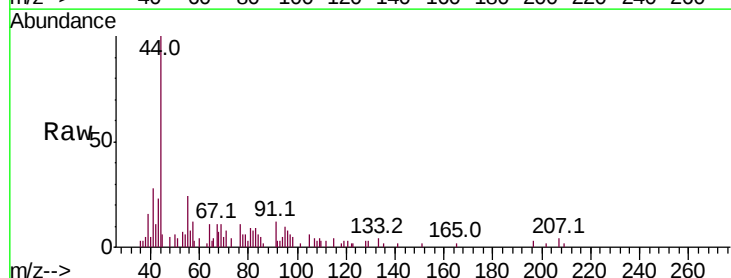
Tot Ion:101 Resp: 43
Ion Ratio Lower Upper
101 100
103 7.1 53.9 80.9#

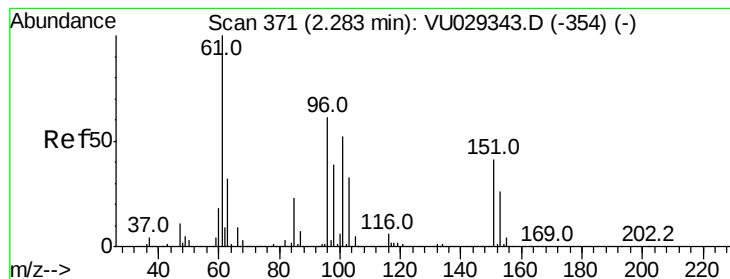


#8

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

Tgt Ion:101 Resp: 20
Ion Ratio Lower Upper
101 100
85 410.0 40.3 60.5#
151 460.0 58.1 87.1#





#9

1,1-Dichloroethene

Concen: 0.012 ug/l

RT: 2.28 min Scan# 370

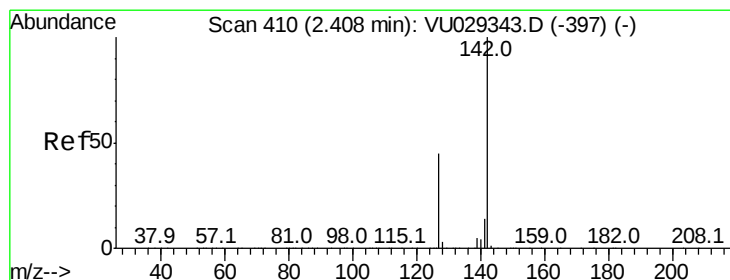
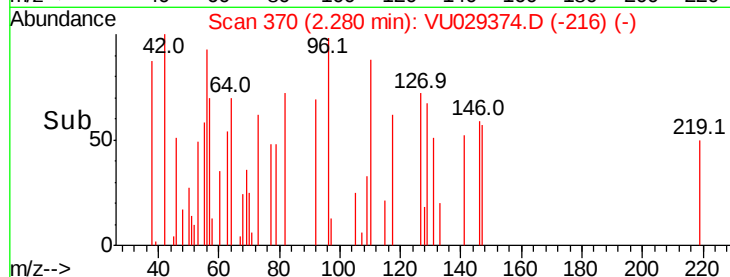
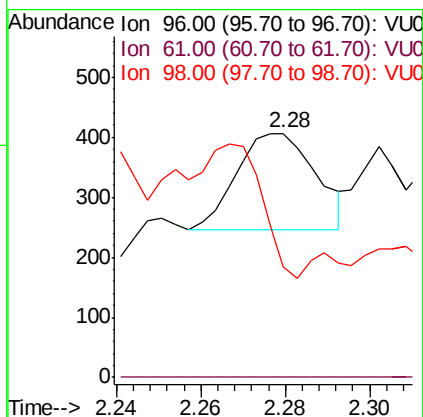
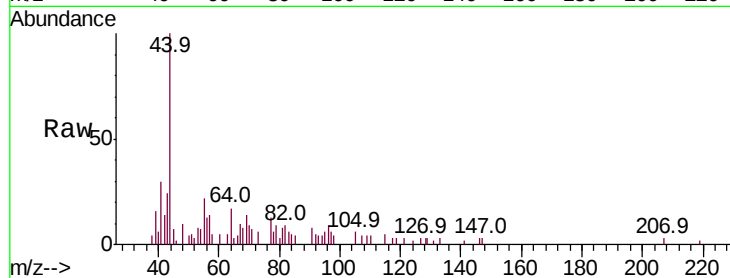
Delta R.T. -0.00 min

Lab File: VU029374.D

Acq: 08 Feb 2019 11:59

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:	96	Resp:	207
Ion	Ratio	Lower	Upper
96	100		
61	0.0	0.0	641.4
98	0.0	0.0	122.6



#10

Iodomethane

Concen: 0.301 ug/l

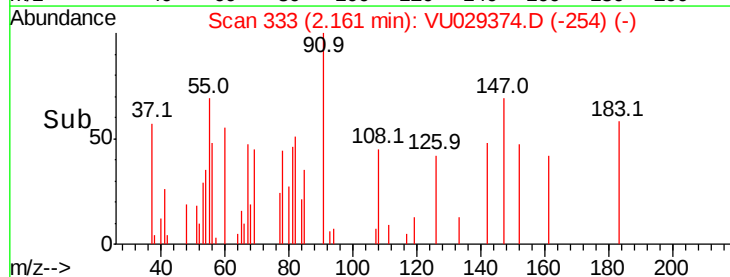
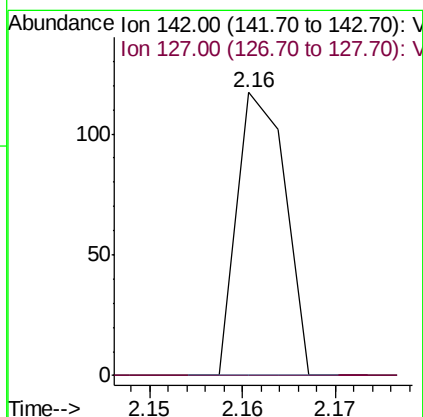
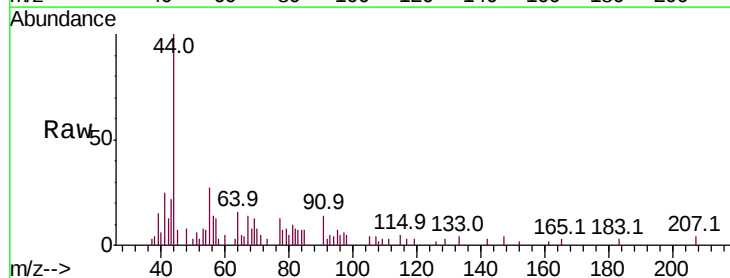
RT: 2.16 min Scan# 333

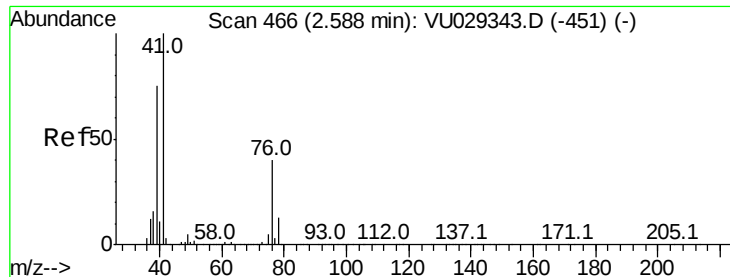
Delta R.T. -0.25 min

Lab File: VU029374.D

Acq: 08 Feb 2019 11:59

Tgt Ion:	142	Resp:	42
Ion	Ratio	Lower	Upper
142	100		
127	50.0	47.6	71.4

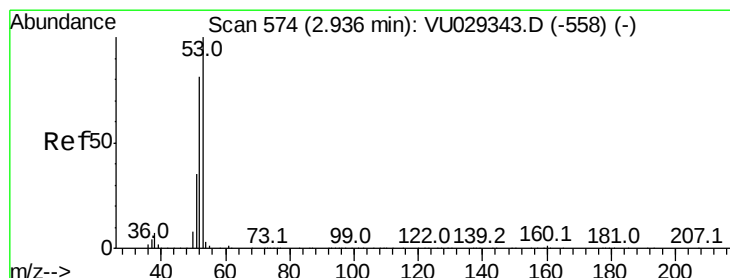
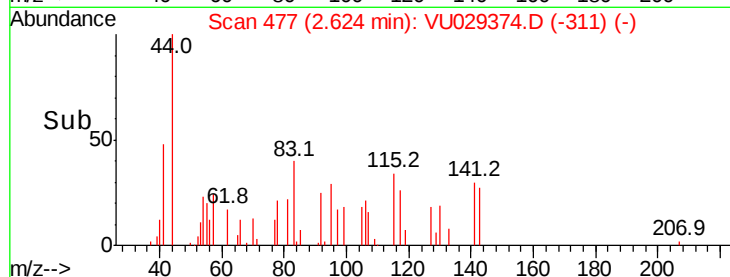
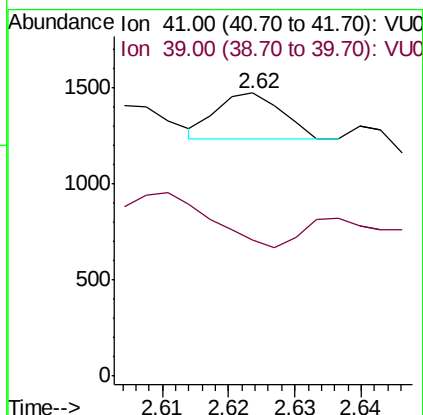
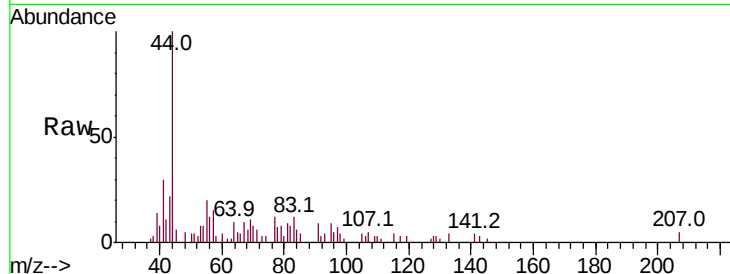




#11
Allvl Chloride
Concen: 0.006 ug/l
RT: 2.62 min Scan# 477
Delta R.T. 0.04 min
Lab File: VU029374.D
Acq: 08 Feb 2019 11:59

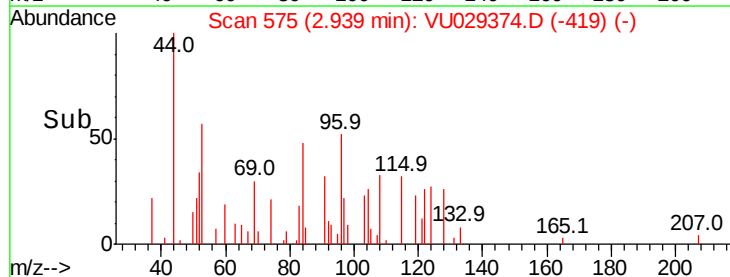
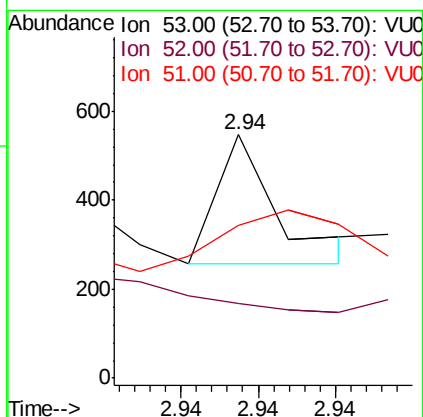
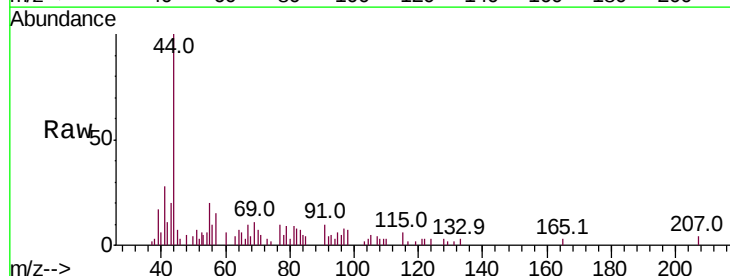
Instrument :
MSVOA_U
ClientSampleId :

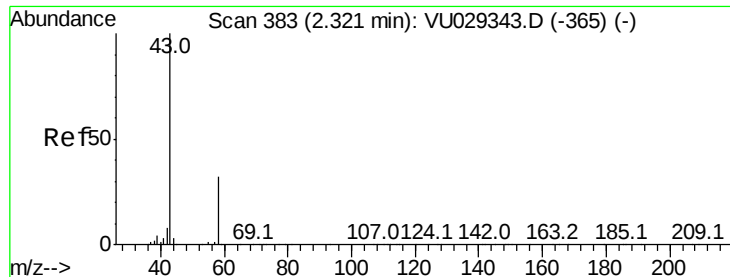
Tot Ion: 41 Resp: 167
Ion Ratio Lower Upper
41 100
39 76.0 67.2 100.8



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

Tgt Ion: 53 Resp: 79
Ion Ratio Lower Upper
53 100
52 257.0 67.6 101.4#
51 198.7 31.0 46.4#





#13

Acetone

Concen: 0.073 ug/l

RT: 2.34 min Scan# 390

Delta R.T. 0.02 min

Lab File: VU029374.D

Acq: 08 Feb 2019 11:59

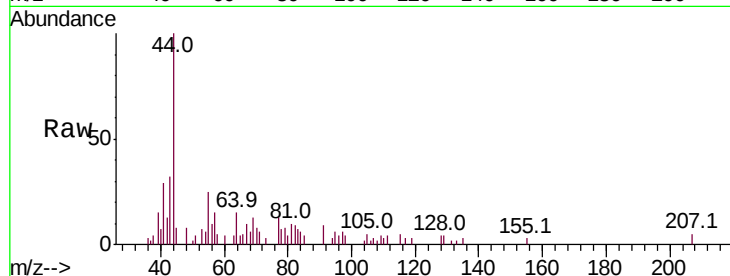
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 281

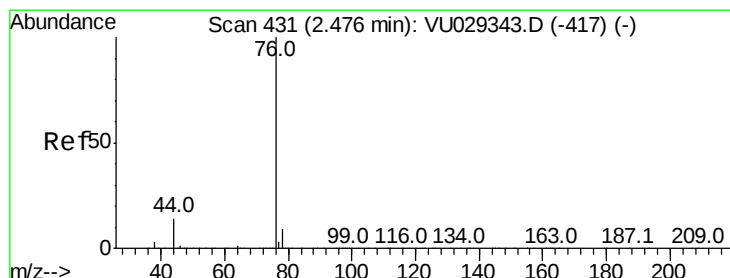
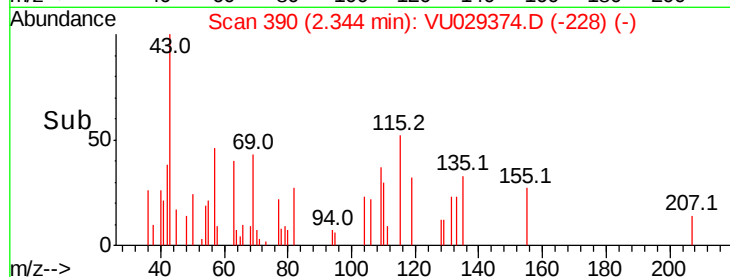
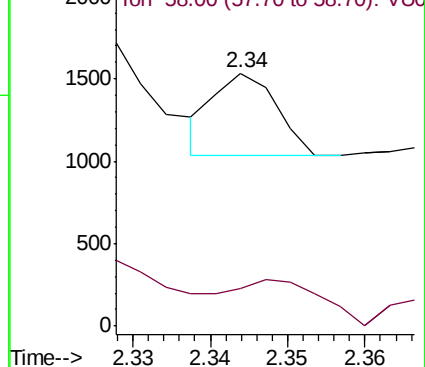
Ion Ratio Lower Upper

43 100

58 21.8 19.2 28.8



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



#14

Carbon Disulfide

Concen: 0.026 ug/l

RT: 2.48 min Scan# 432

Delta R.T. 0.00 min

Lab File: VU029374.D

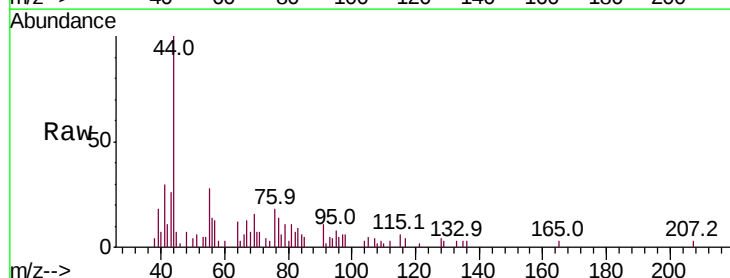
Acq: 08 Feb 2019 11:59

Tgt Ion: 76 Resp: 1650

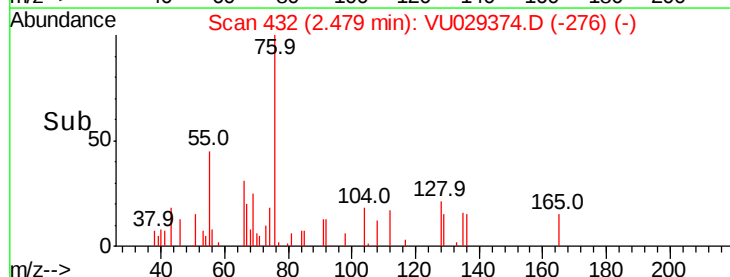
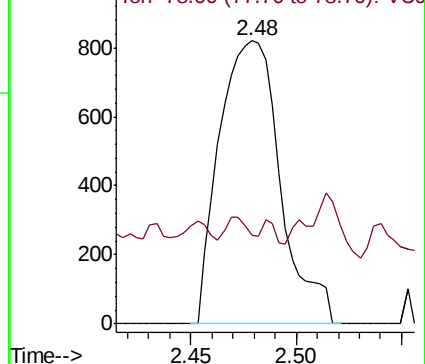
Ion Ratio Lower Upper

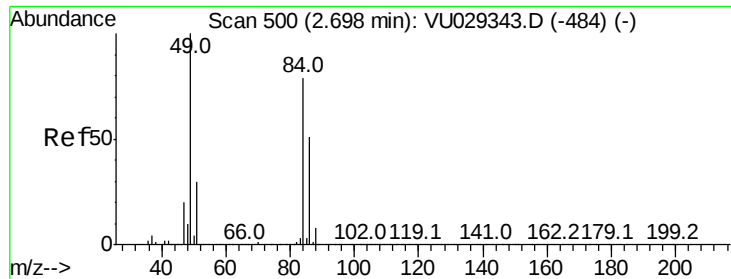
76 100

78 0.0 7.1 10.7#



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

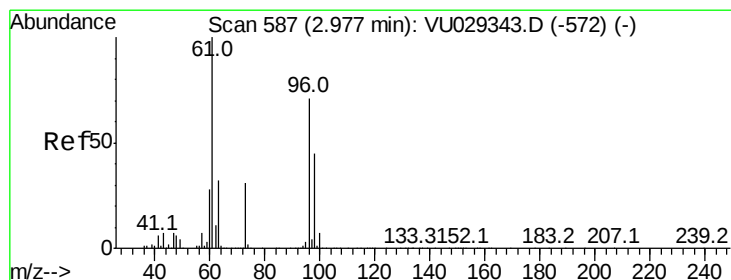
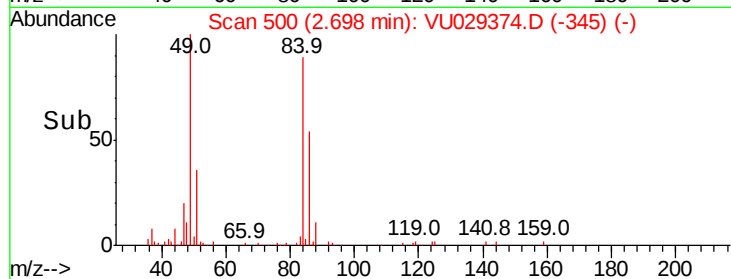
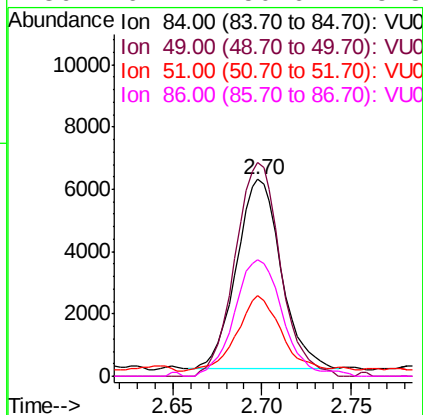
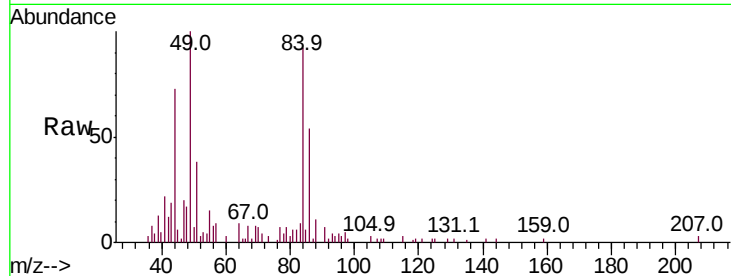




#15
Methvlene Chloride
Concen: 0.491 ug/l
RT: 2.70 min Scan# 500
Delta R.T. -0.00 min
Lab File: VU029374.D
Acq: 08 Feb 2019 11:59

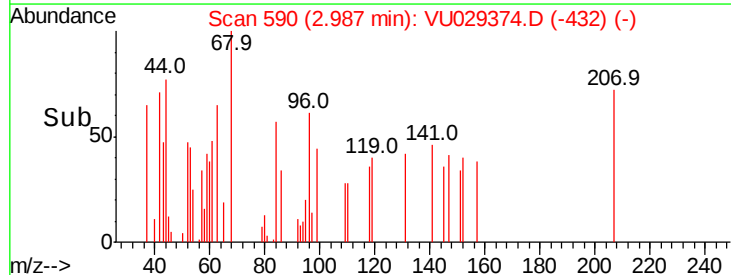
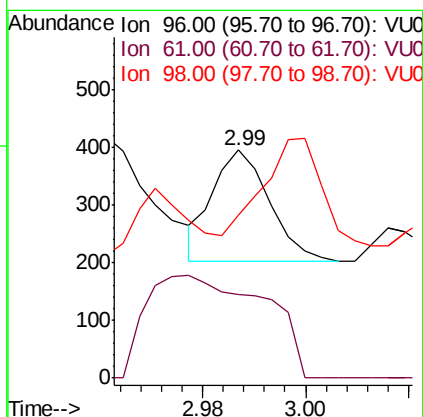
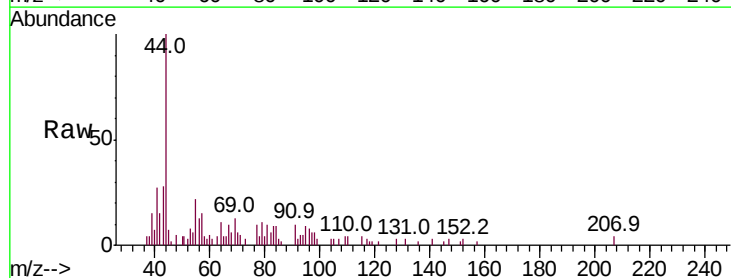
Instrument :
MSVOA_U
ClientSampleId :

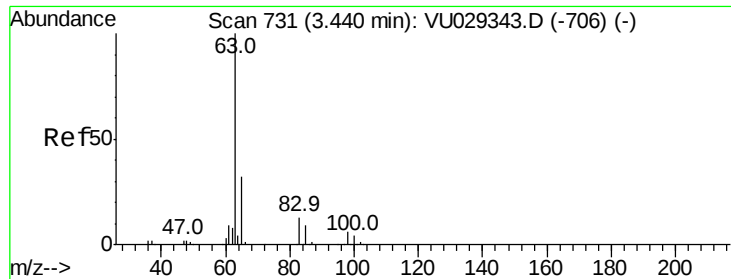
Tot Ion: 84 Resp: 10653
Ion Ratio Lower Upper
84 100
49 112.8 127.0 190.6#
51 39.4 0.0 93.4
86 61.4 50.6 75.8



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

Tgt Ion: 96 Resp: 148
Ion Ratio Lower Upper
96 100
61 74.7 140.6 210.8#
98 12.9 49.3 73.9#





#17

1,1-Dichloroethane

Concen: 0.007 ug/l

RT: 3.44 min Scan# 730

Delta R.T. -0.00 min

Lab File: VU029374.D

Acq: 08 Feb 2019 11:59

Instrument :
MSVOA_U
ClientSampleId :

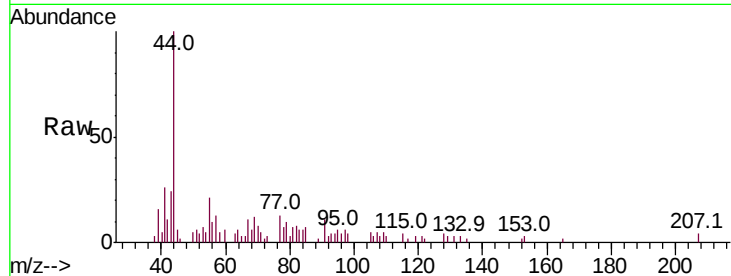
Tot Ion: 63 Resp: 237

Ion Ratio Lower Upper

63 100

98 0.0 2.9 8.8#

100 0.0 1.7 5.1#

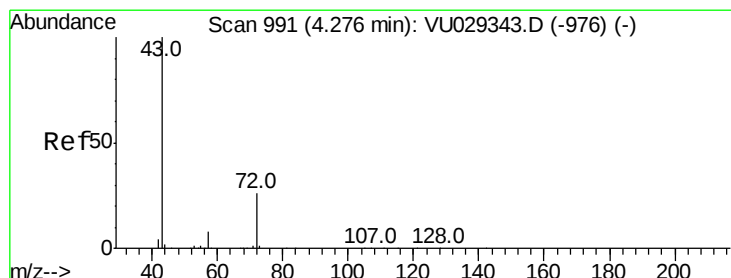
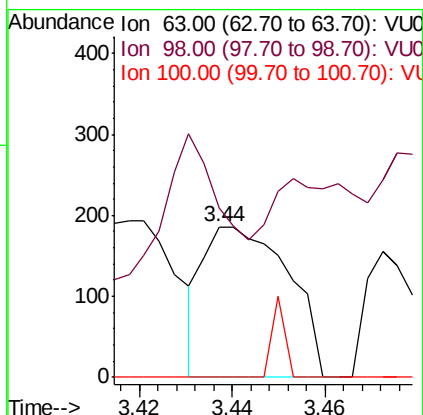
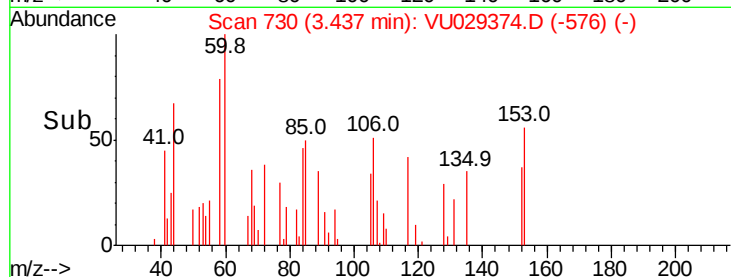


Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU0

Time-->



#18

2-Butanone

Concen: 0.057 ug/l

RT: 4.31 min Scan# 1003

Delta R.T. 0.04 min

Lab File: VU029374.D

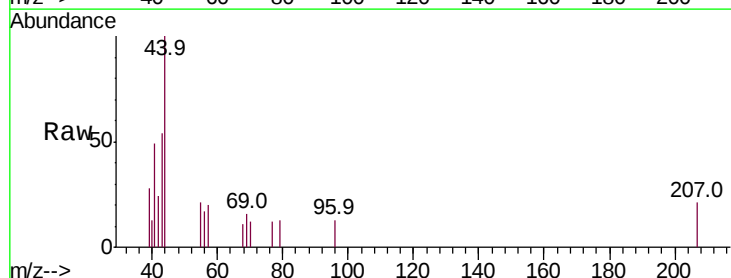
Acq: 08 Feb 2019 11:59

Tgt Ion: 43 Resp: 247

Ion Ratio Lower Upper

43 100

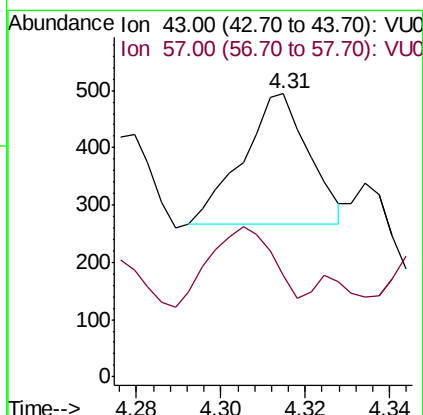
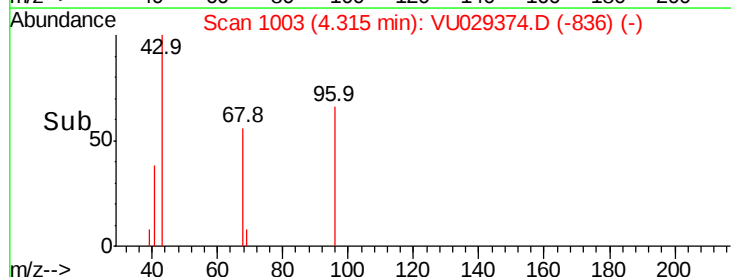
57 12.8 0.0 15.8

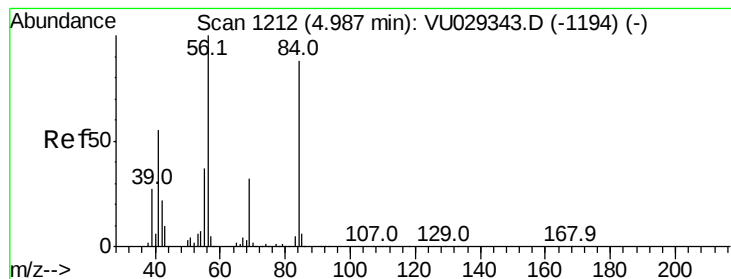


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

Time-->





#19

Cyclohexane

Concen: 0.010 ug/l

RT: 4.98 min Scan# 1210

Delta R.T. -0.01 min

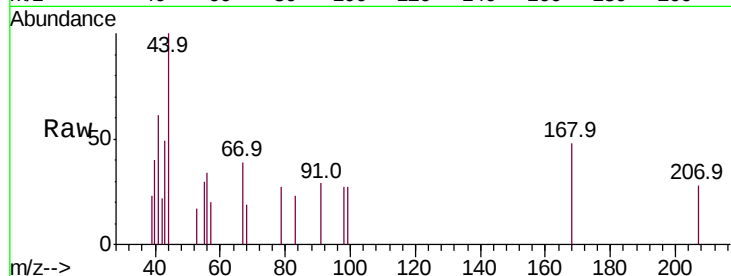
Lab File: VU029374.D

Acq: 08 Feb 2019 11:59

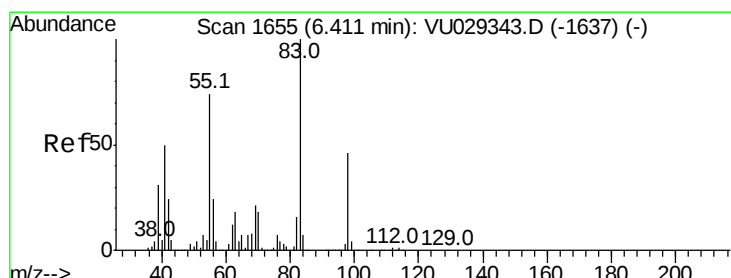
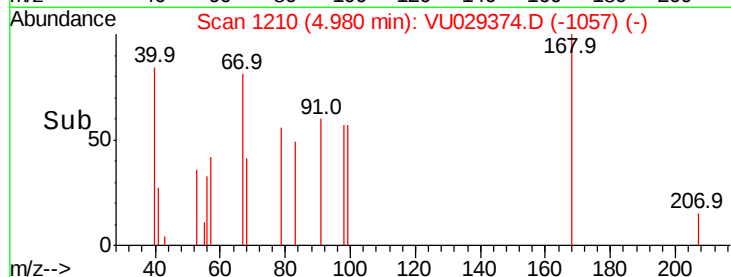
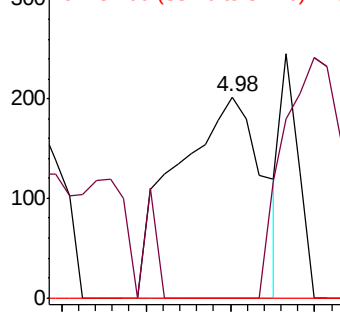
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 56 Resp: 283

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



Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0



#20

Methylcyclohexane

Concen: 0.001 ug/l

RT: 6.42 min Scan# 1658

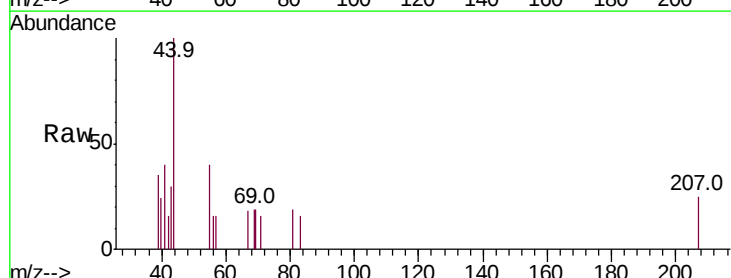
Delta R.T. 0.01 min

Lab File: VU029374.D

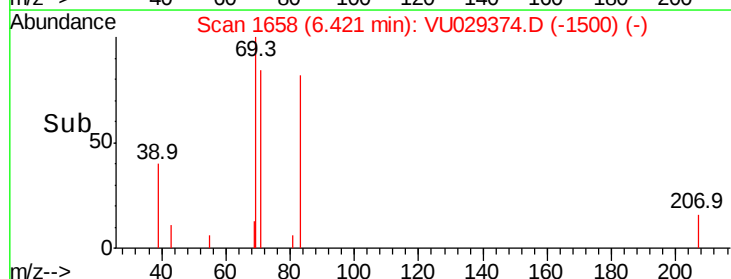
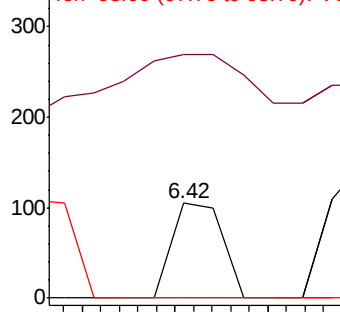
Acq: 08 Feb 2019 11:59

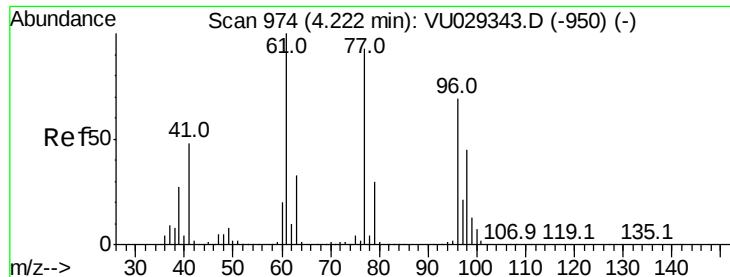
Tgt Ion: 83 Resp: 40

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



Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0





#21

2,2-Dichloropropane

Concen: 0.002 ug/l

RT: 4.22 min Scan# 973

Delta R.T. -0.00 min

Lab File: VU029374.D

Acq: 08 Feb 2019 11:59

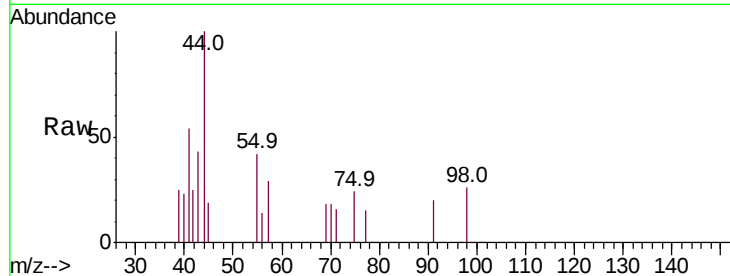
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 77 Resp: 46

Ion Ratio Lower Upper

77 100

97 0.0 15.6 23.4#



Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

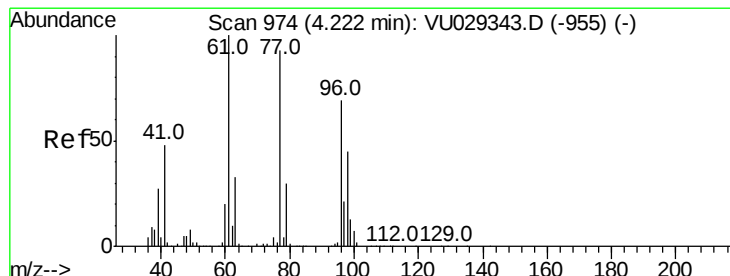
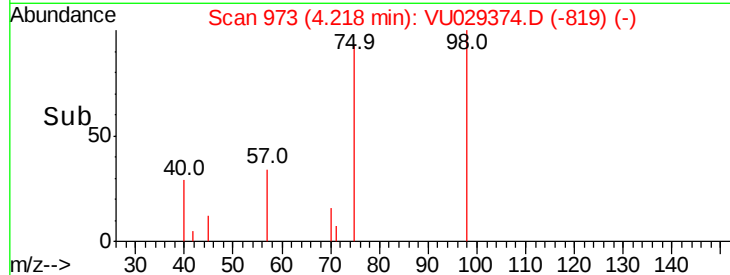
4.22

100

50

0

Time-->



#22

cis-1,2-Dichloroethene

Concen: 0.002 ug/l

RT: 4.24 min Scan# 979

Delta R.T. 0.02 min

Lab File: VU029374.D

Acq: 08 Feb 2019 11:59

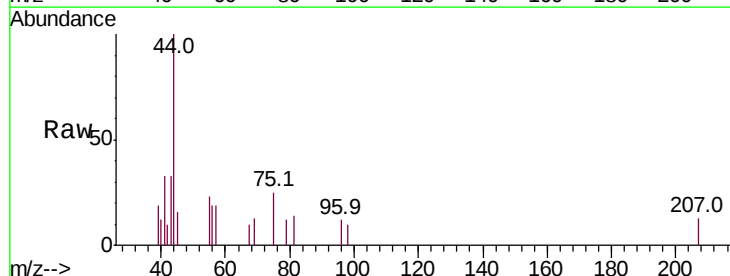
Tgt Ion: 96 Resp: 46

Ion Ratio Lower Upper

96 100

61 91.3 0.0 460.0

98 87.0 32.6 97.7



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

250

200

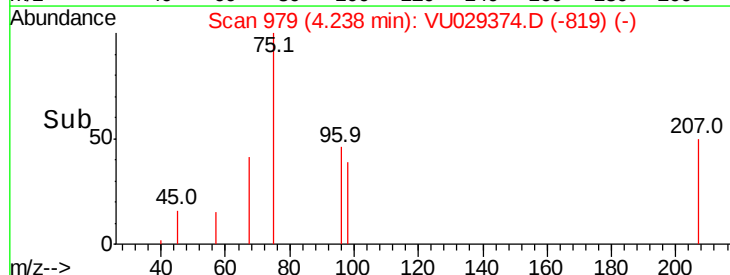
150

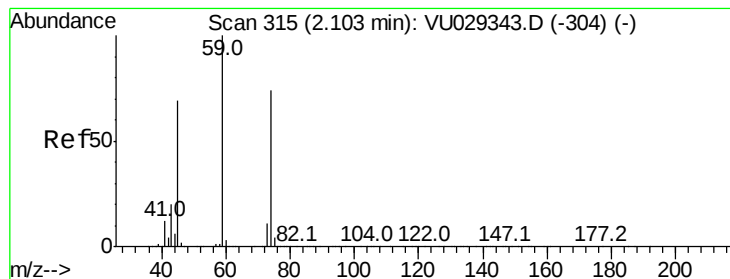
100

50

0

Time-->





#23

Diethyl Ether

Concen: 0.144 ug/l

RT: 2.10 min Scan# 314

Delta R.T. -0.00 min

Lab File: VU029374.D

Acq: 08 Feb 2019 11:59

Instrument :
MSVOA_U
ClientSampleId :

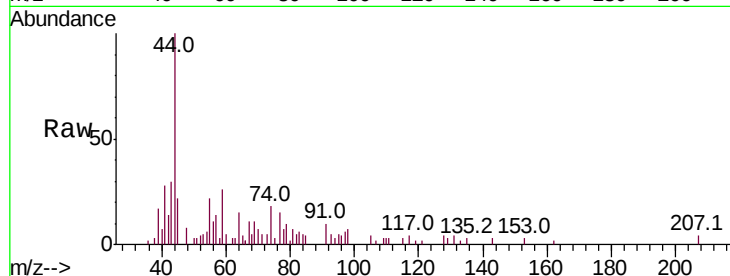
Tot Ion: 59 Resp: 2071

Ion Ratio Lower Upper

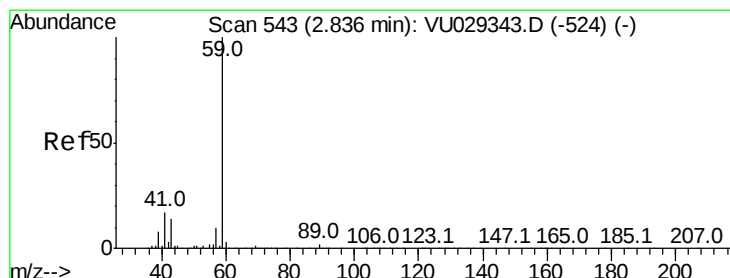
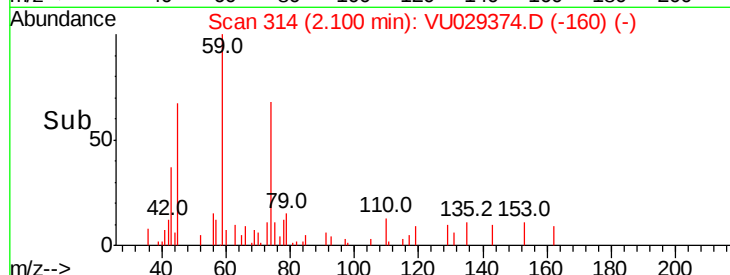
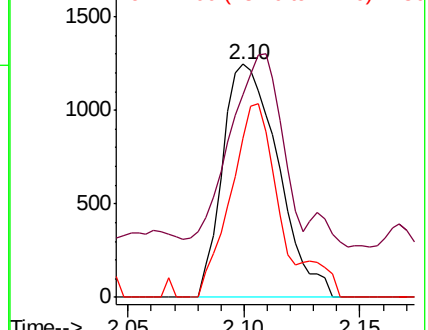
59 100

45 71.1 64.2 96.4

74 68.5 55.3 82.9



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



#24

tert-Butyl Alcohol

Concen: 0.135 ug/l

RT: 2.82 min Scan# 539

Delta R.T. -0.01 min

Lab File: VU029374.D

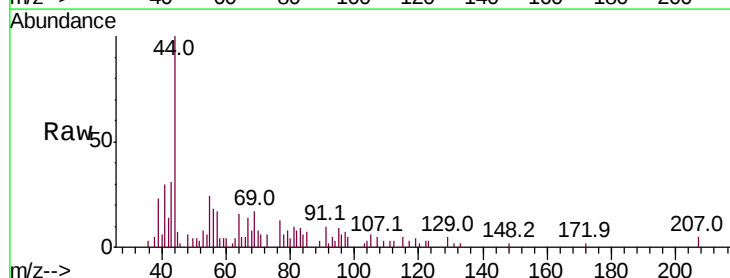
Acq: 08 Feb 2019 11:59

Tgt Ion: 59 Resp: 202

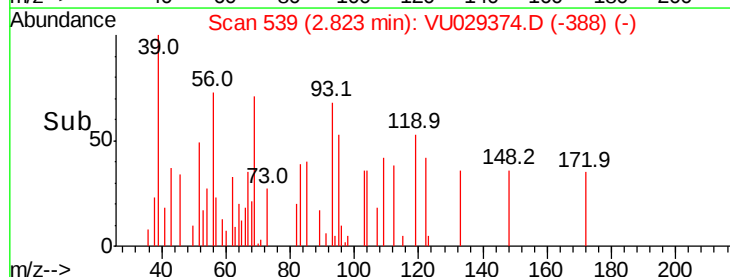
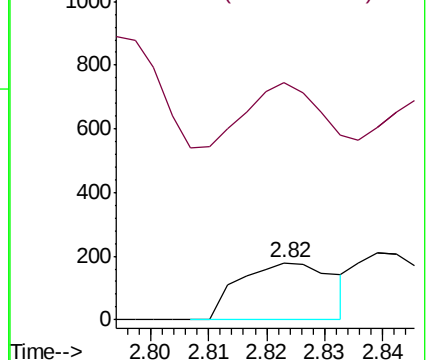
Ion Ratio Lower Upper

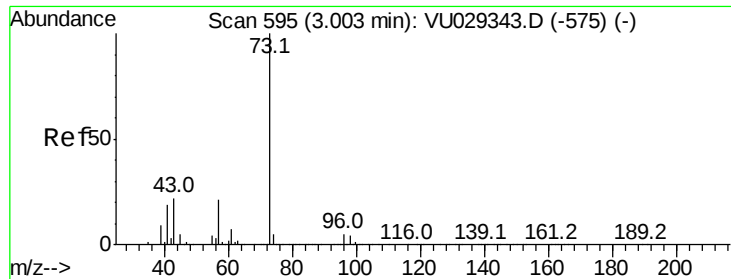
59 100

57 103.5 8.8 13.2#



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



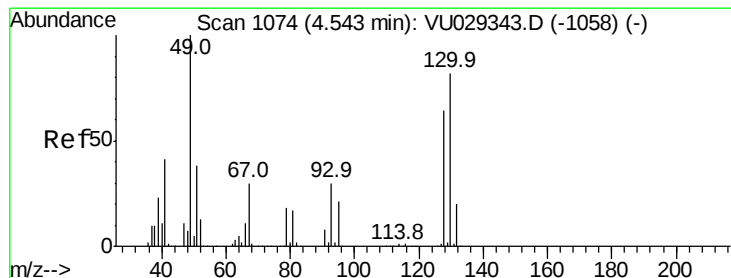
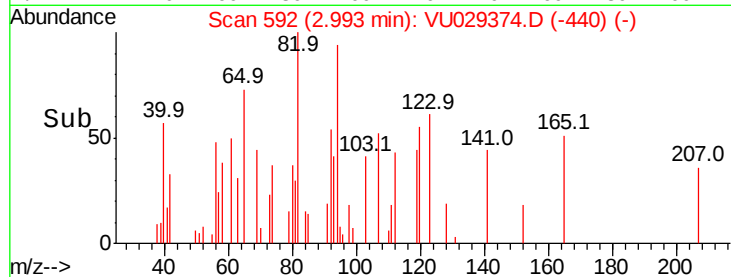
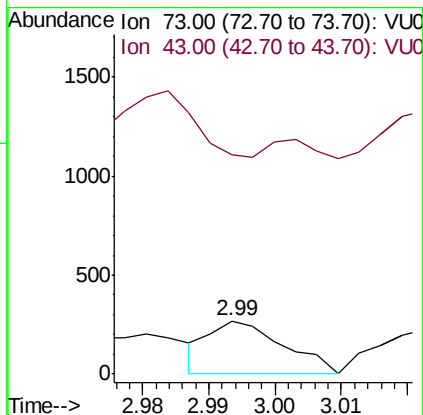
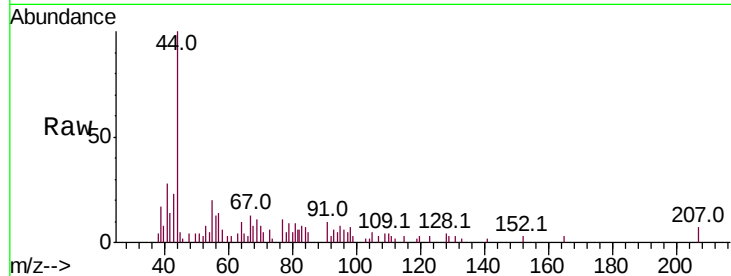


#25

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

Instrument :
 MSVOA_U
 ClientSampleId :

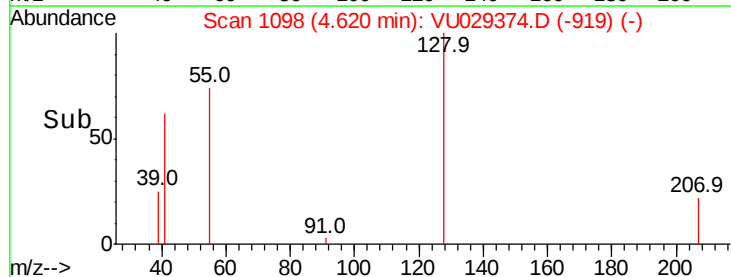
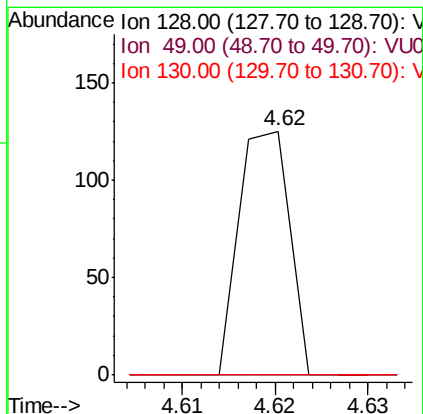
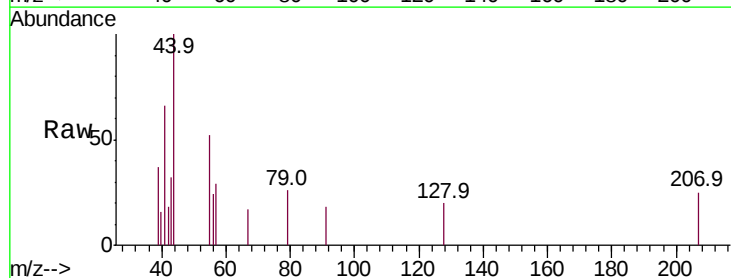
Tot Ion: 73 Resp: 211
 Ion Ratio Lower Upper
 73 100
 43 202.4 22.1 33.1#

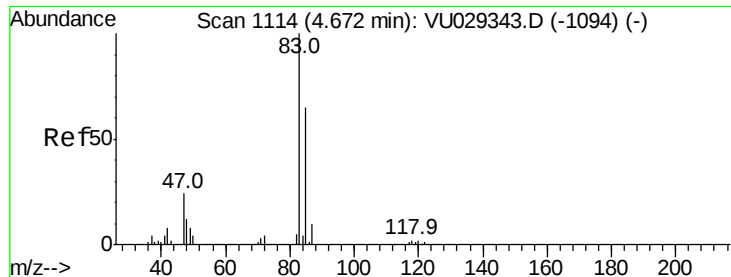


#26

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

Tgt Ion: 128 Resp: 47
 Ion Ratio Lower Upper
 128 100
 49 0.0 0.0 401.6
 130 0.0 108.0 162.0#

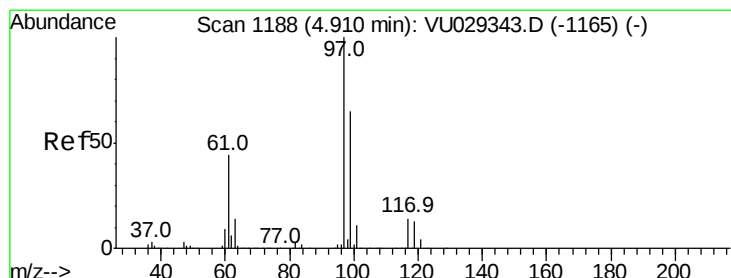
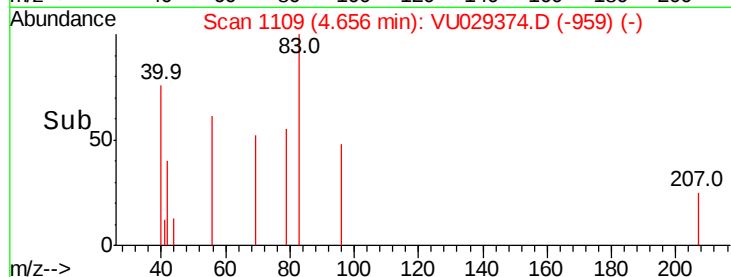
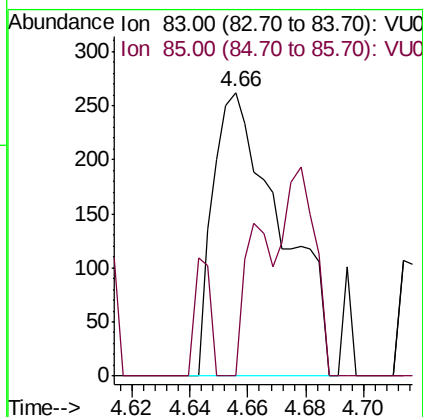
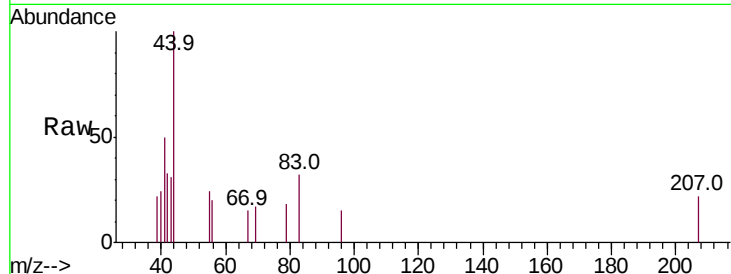




#27
Chloroform
Concen: 0.014 ug/l
RT: 4.66 min Scan# 1109
Delta R.T. -0.02 min
Lab File: VU029374.D
Acq: 08 Feb 2019 11:59

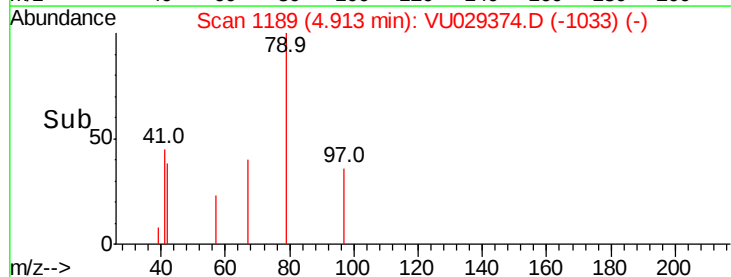
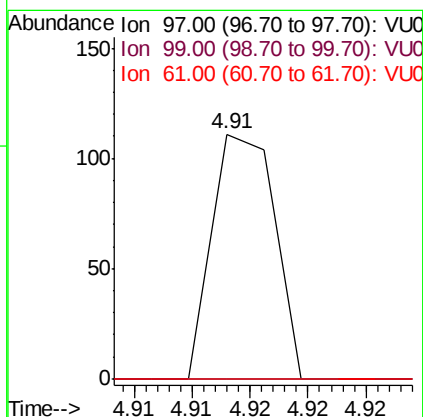
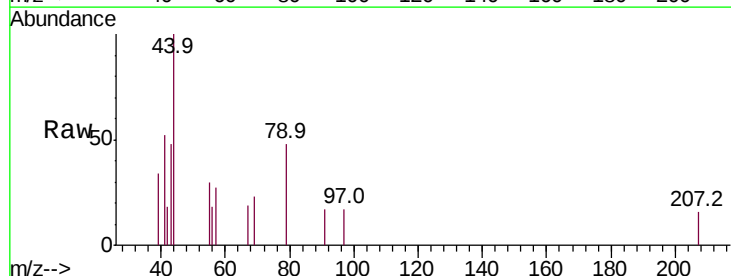
Instrument :
MSVOA_U
ClientSampled :

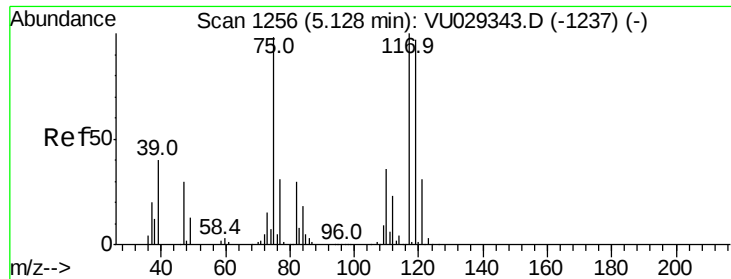
Tot Ion: 83 Resp: 424
Ion Ratio Lower Upper
83 100
85 0.0 0.0 126.6



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

Tgt Ion: 97 Resp: 41
Ion Ratio Lower Upper
97 100
99 0.0 32.4 97.2#
61 0.0 24.4 73.2#





#30

Carbon Tetrachloride

Concen: 0.002 ug/l

RT: 5.13 min Scan# 1258

Delta R.T. 0.01 min

Lab File: VU029374.D

Acq: 08 Feb 2019 11:59

Instrument :
MSVOA_U
ClientSampled :

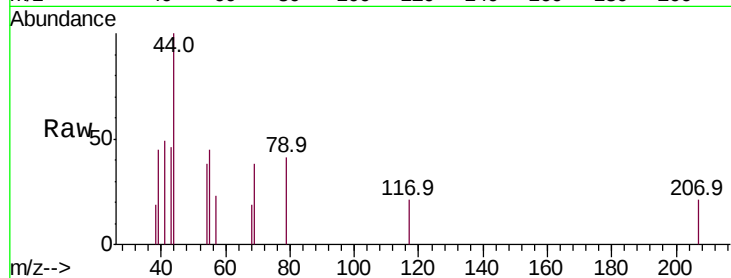
Tot Ion:117 Resp: 43

Ion Ratio Lower Upper

117 100

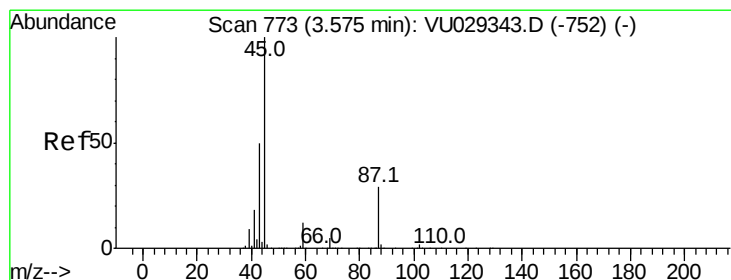
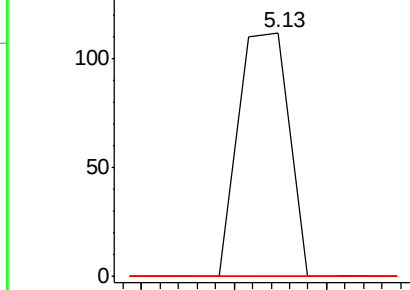
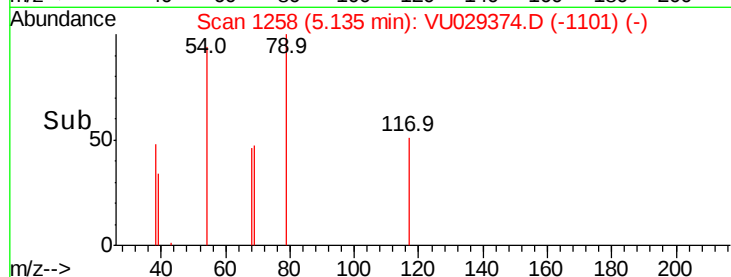
119 0.0 76.8 115.2#

121 0.0 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

5.13



#31

Isopropyl Ether

Concen: 0.004 ug/l

RT: 3.75 min Scan# 828

Delta R.T. 0.18 min

Lab File: VU029374.D

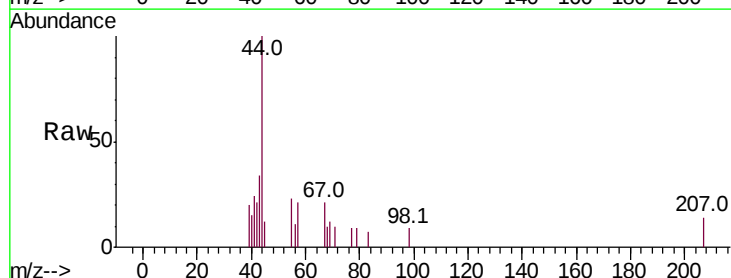
Acq: 08 Feb 2019 11:59

Tgt Ion: 45 Resp: 210

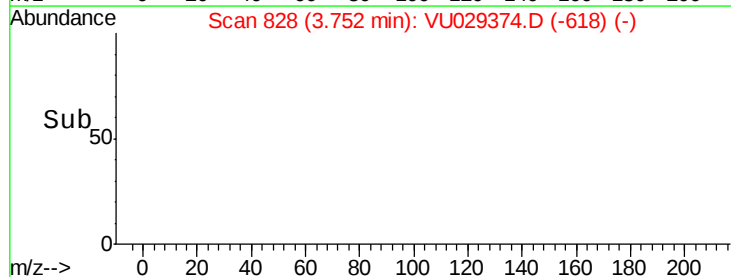
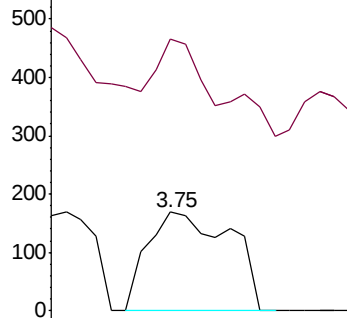
Ion Ratio Lower Upper

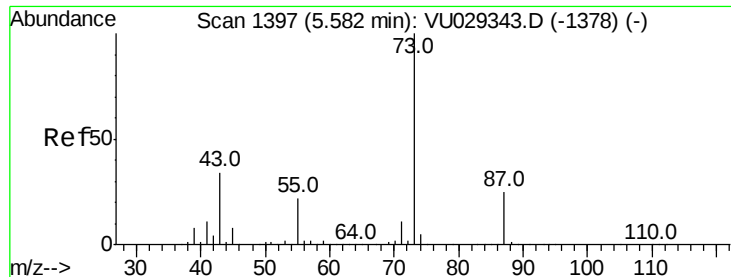
45 100

43 70.0 28.4 85.3



Abundance Ion 45.00 (44.70 to 45.70): VU0
Ion 43.00 (42.70 to 43.70): VU0



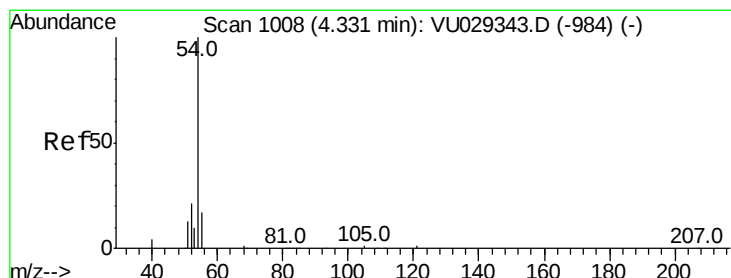
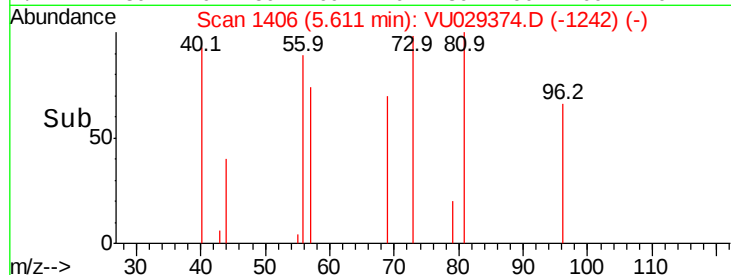
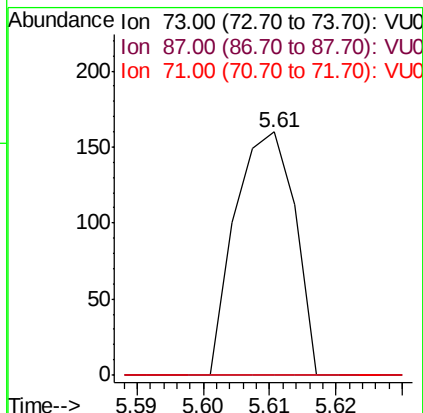
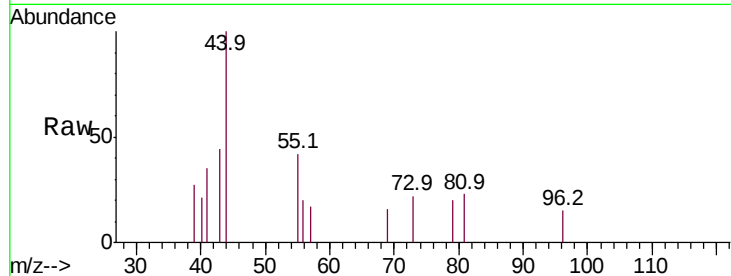


#33

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

Instrument :
MSVOA_U
ClientSampleId :

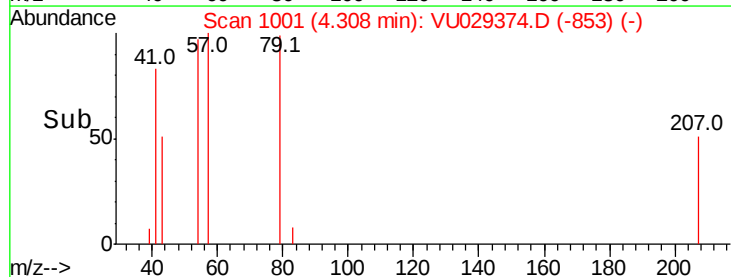
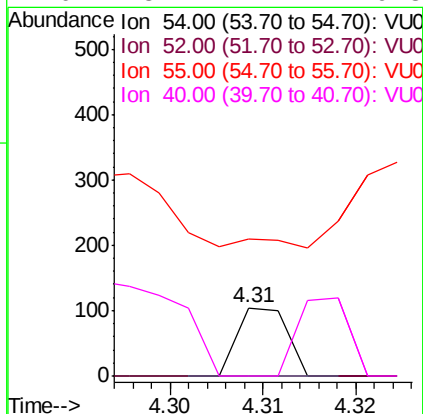
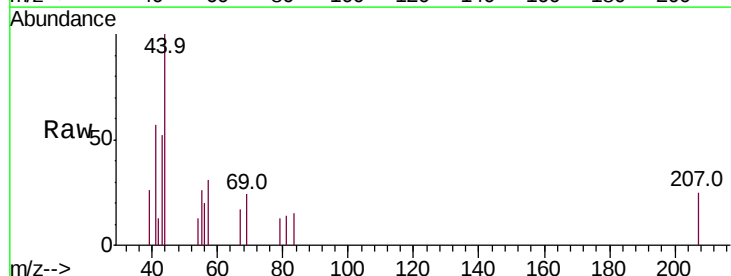
Tot Ion: 73 Resp: 100
Ion Ratio Lower Upper
73 100
87 0.0 19.4 29.0#
71 42.0 9.0 13.4#

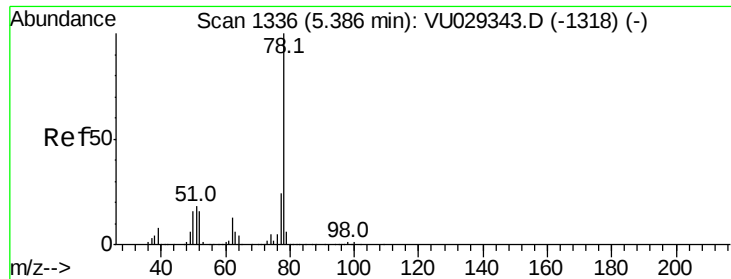


#34

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

Tgt Ion: 54 Resp: 39
Ion Ratio Lower Upper
54 100
52 0.0 18.9 28.3#
55 189.7 15.1 22.7#
40 115.4 7.2 10.8#





#35

Benzene

Concen: 0.003 ug/l

RT: 5.39 min Scan# 1338

Delta R.T. 0.01 min

Lab File: VU029374.D

Acq: 08 Feb 2019 11:59

Instrument :

MSVOA_U

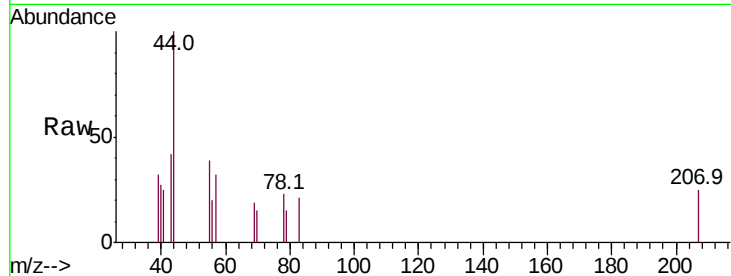
ClientSampleId :

Tot Ion: 78 Resp: 216

Ion Ratio Lower Upper

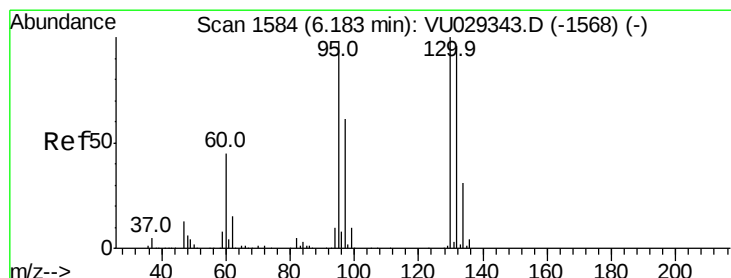
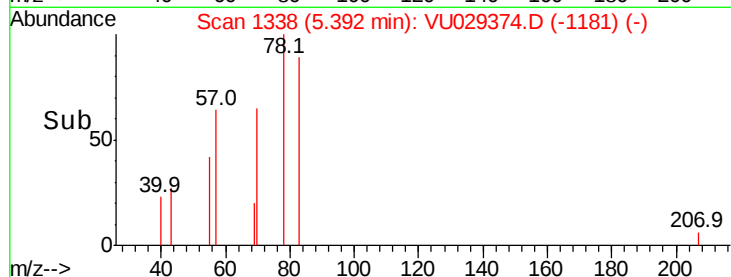
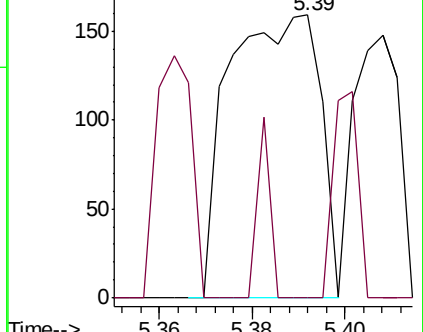
78 100

77 0.0 19.8 29.8#



Abundance Ion 78.10 (77.80 to 78.80): VU0

Ion 77.00 (76.70 to 77.70): VU0



#37

Trichloroethene

Concen: 0.001 ug/l

RT: 6.19 min Scan# 1585

Delta R.T. 0.00 min

Lab File: VU029374.D

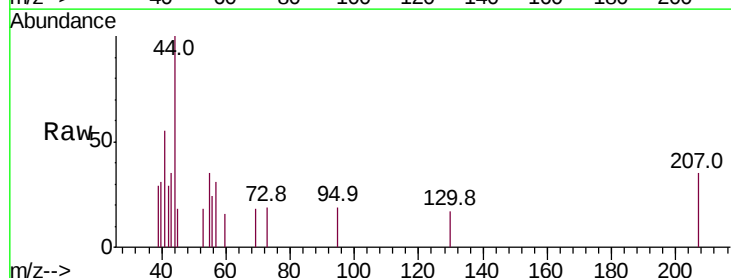
Acq: 08 Feb 2019 11:59

Tgt Ion:130 Resp: 20

Ion Ratio Lower Upper

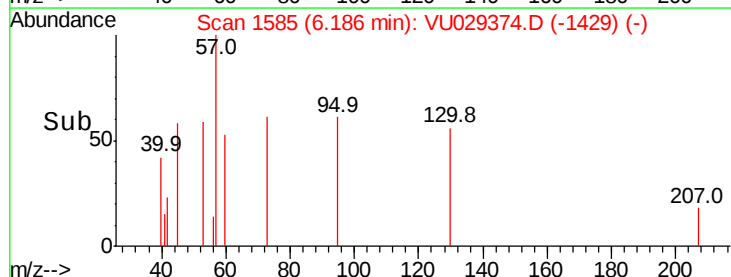
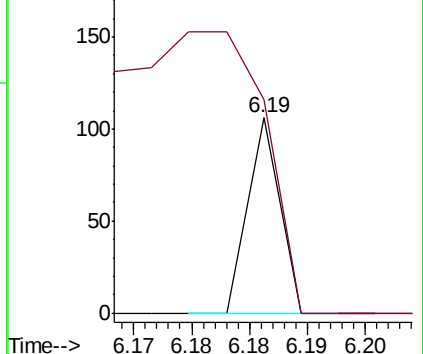
130 100

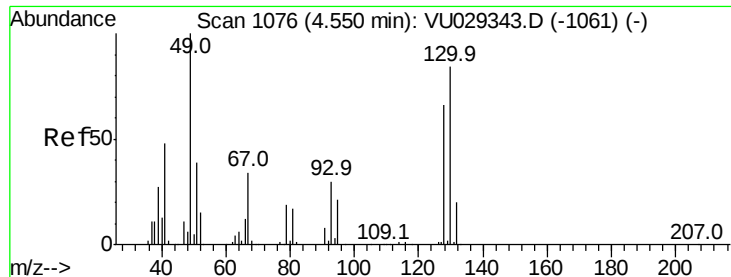
95 109.4 85.4 128.0



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VU0

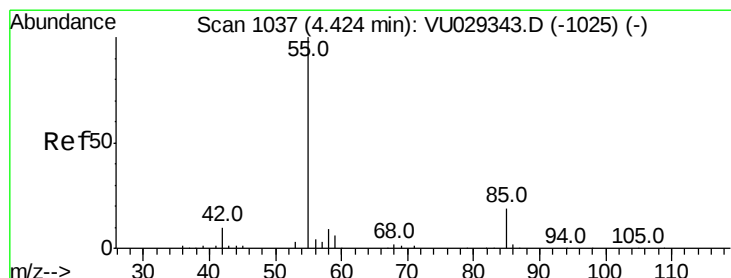
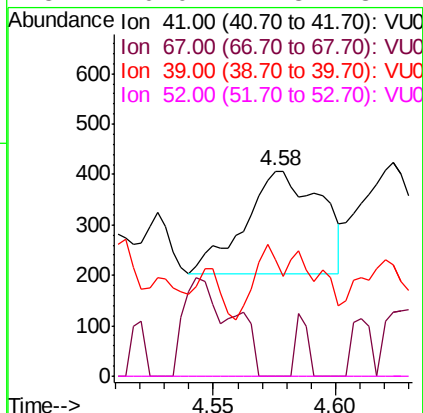
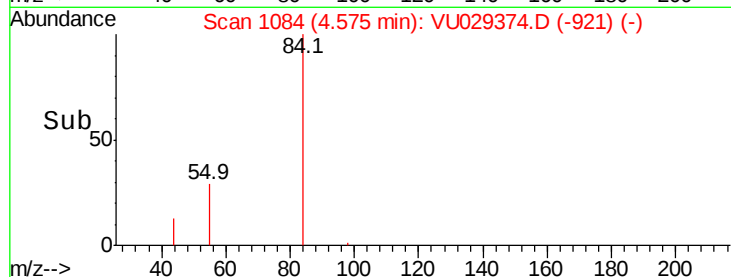
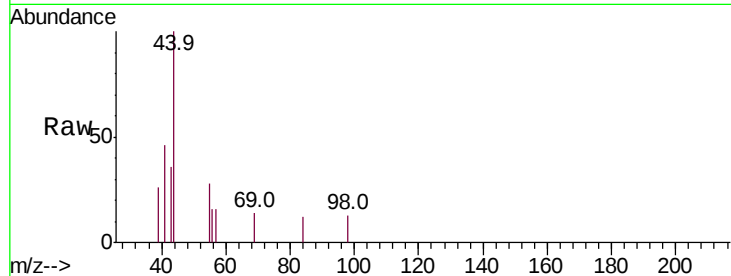




#39
Methacrylonitrile
Concen: 0.076 ug/l
RT: 4.58 min Scan# 1084
Delta R.T. 0.03 min
Lab File: VU029374.D
Acq: 08 Feb 2019 11:59

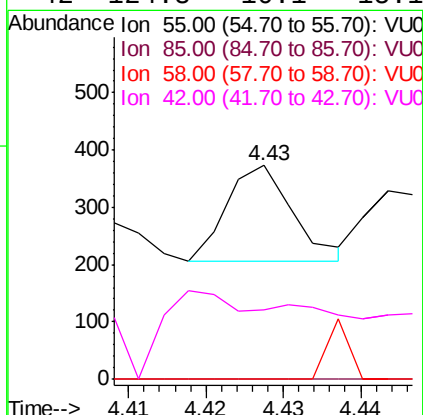
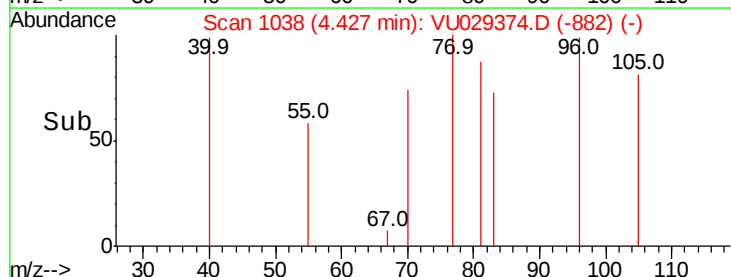
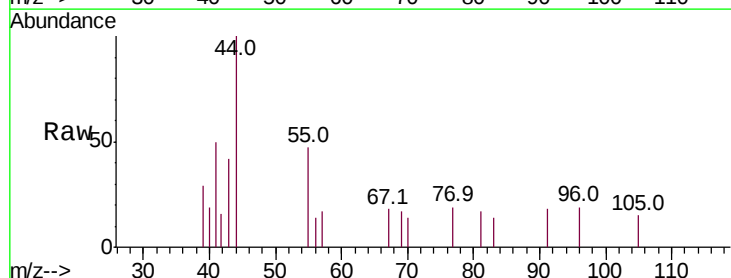
Instrument :
MSVOA_U
ClientSampleId :

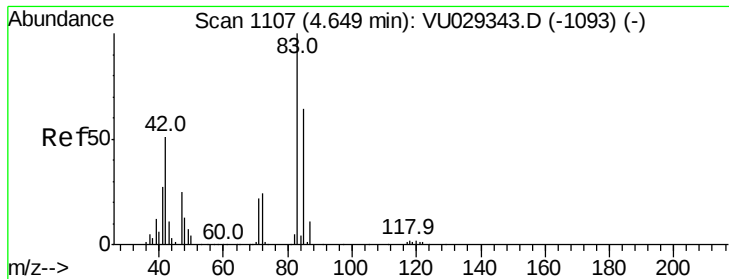
Tot Ion: 41 Resp: 442
Ion Ratio Lower Upper
41 100
67 9.7 50.1 75.1#
39 24.7 47.9 71.9#
52 0.0 24.8 37.2#



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

Tgt Ion: 55 Resp: 101
Ion Ratio Lower Upper
55 100
85 0.0 11.3 16.9#
58 0.0 6.2 9.4#
42 124.8 10.1 15.1#





#41

Tetrahydrofuran

Concen: 0.051 ug/l

RT: 4.66 min Scan# 1109

Delta R.T. 0.01 min

Lab File: VU029374.D

Acq: 08 Feb 2019 11:59

Instrument :

MSVOA_U

ClientSampled :

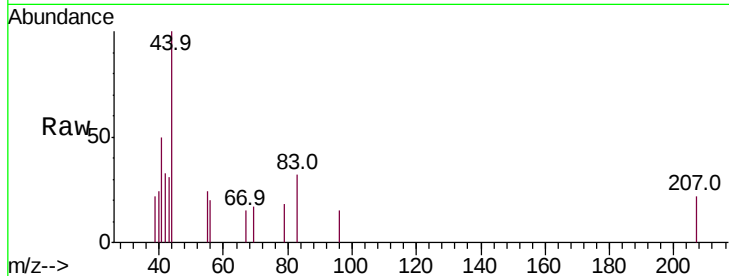
Tot Ion: 42 Resp: 148

Ion Ratio Lower Upper

42 100

72 0.0 33.1 49.7#

71 71.6 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

400

300

200

100

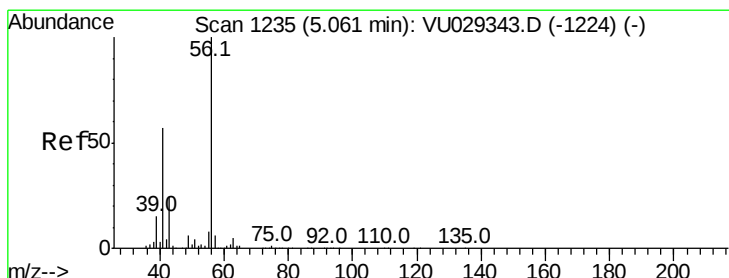
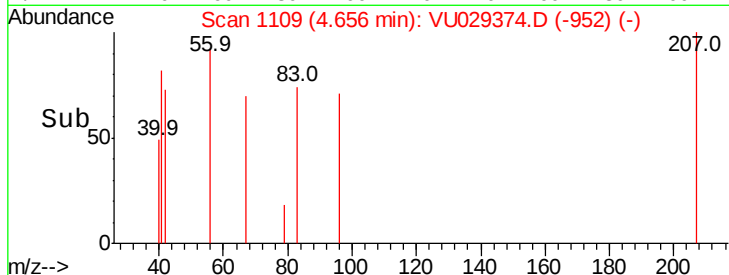
0

4.62

4.64

4.66

Time-->



#42

1-Chlorobutane

Concen: 0.011 ug/l

RT: 5.05 min Scan# 1232

Delta R.T. -0.01 min

Lab File: VU029374.D

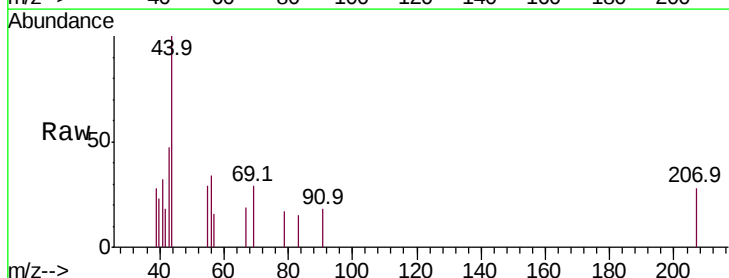
Acq: 08 Feb 2019 11:59

Tgt Ion: 56 Resp: 380

Ion Ratio Lower Upper

56 100

41 36.1 31.3 93.8



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 41.00 (40.70 to 41.70): VU0

500

400

300

200

100

0

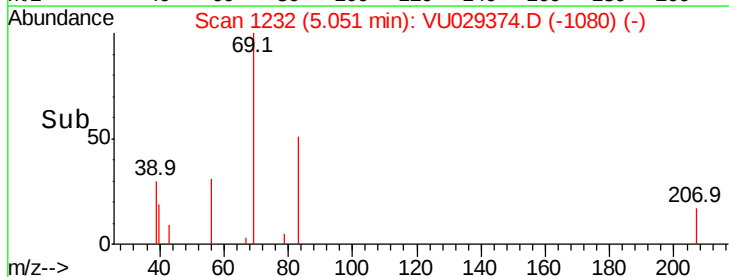
5.02

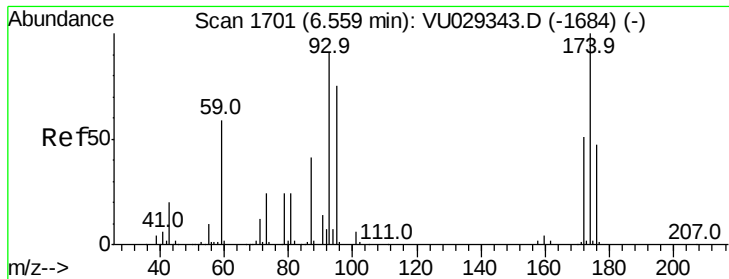
5.04

5.06

5.08

Time-->

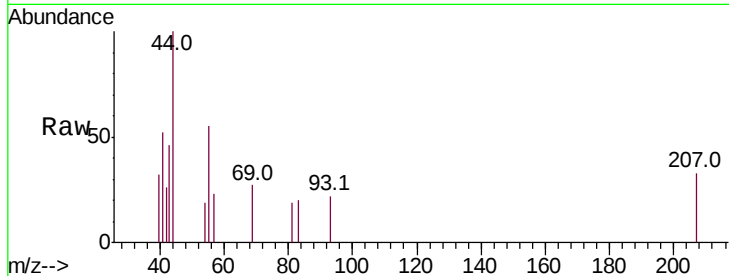




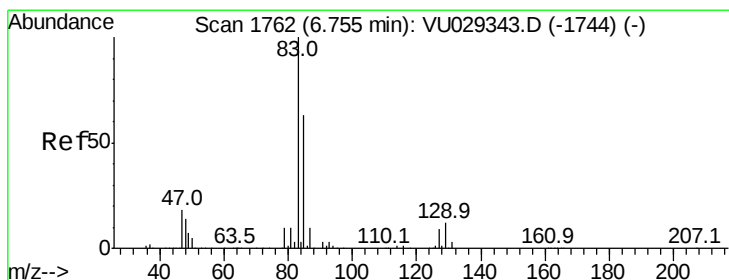
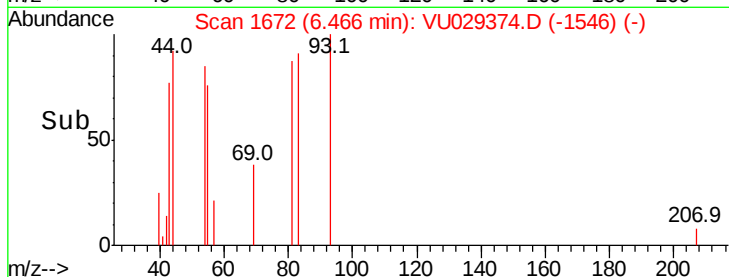
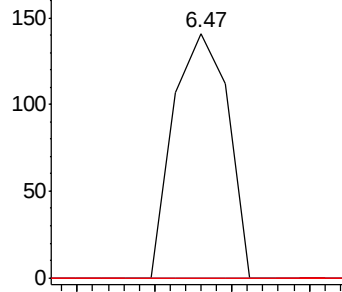
#43
Dibromomethane
Concen: 0.007 ug/l
RT: 6.47 min Scan# 1672
Delta R.T. -0.09 min
Lab File: VU029374.D
Acq: 08 Feb 2019 11:59

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 93 Resp: 69
Ion Ratio Lower Upper
93 100
95 60.9 68.2 102.2#
174 0.0 77.6 116.4#

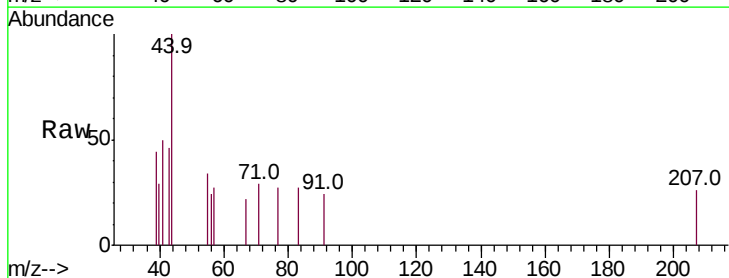


Abundance Ion 93.00 (92.70 to 93.70): VU0
Ion 95.00 (94.70 to 95.70): VU0
Ion 174.00 (173.70 to 174.70): V

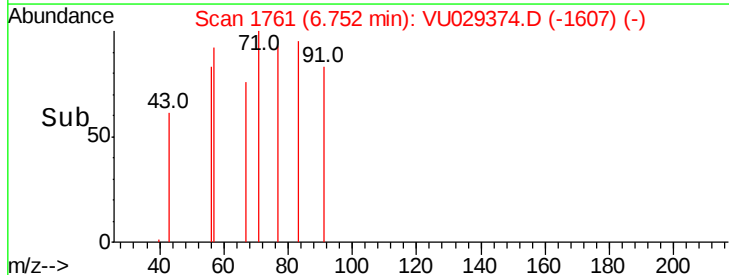
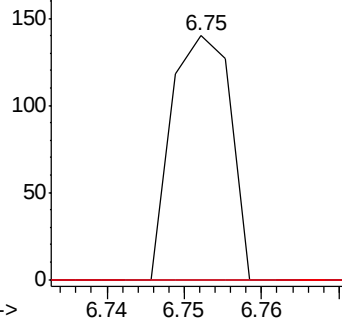


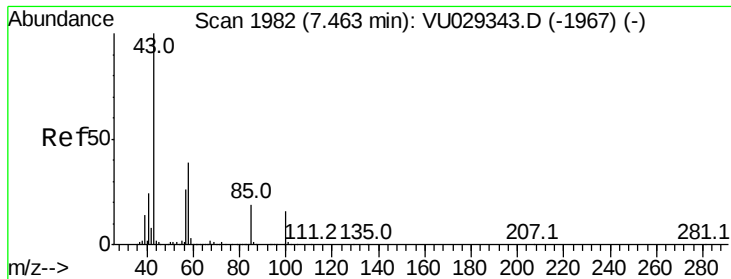
#44
Bromodichloromethane
Concen: 0.003 ug/l
RT: 6.75 min Scan# 1761
Delta R.T. -0.00 min
Lab File: VU029374.D
Acq: 08 Feb 2019 11:59

Tgt Ion: 83 Resp: 74
Ion Ratio Lower Upper
83 100
85 0.0 49.2 73.8#
127 0.0 7.0 10.6#



Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 85.00 (84.70 to 85.70): VU0
Ion 127.00 (126.70 to 127.70): V

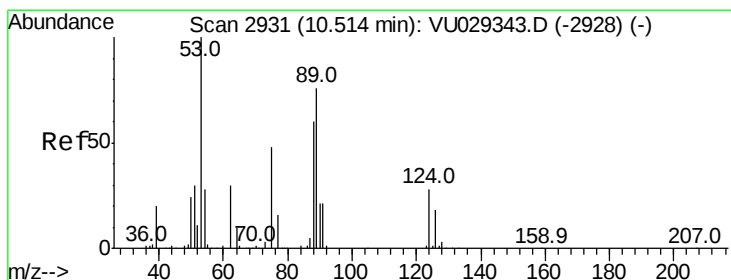
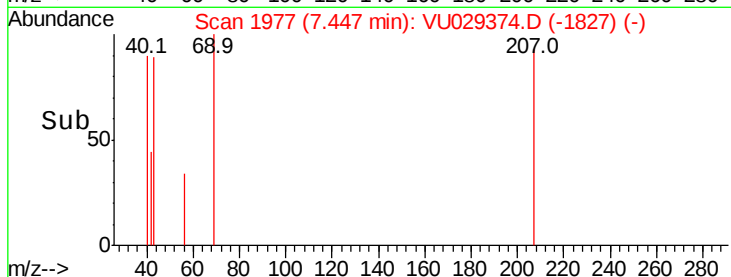
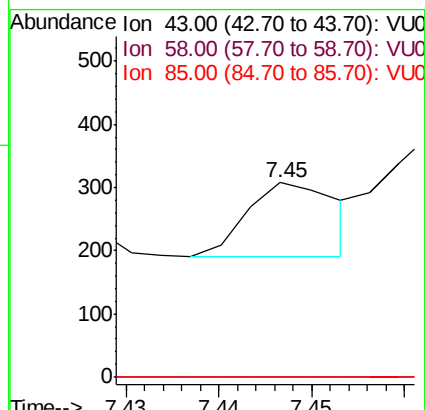
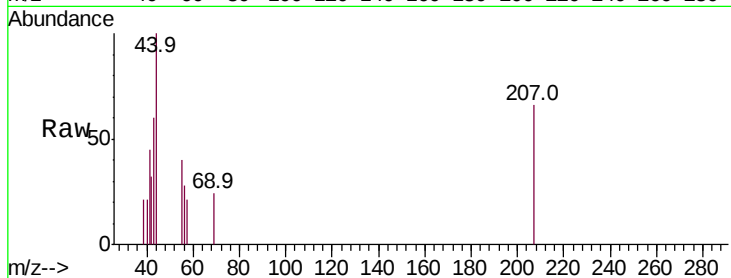




#45
4-Methyl-2-Pentanone
Concen: 0.007 ug/l
RT: 7.45 min Scan# 1977
Delta R.T. -0.02 min
Lab File: VU029374.D
Acq: 08 Feb 2019 11:59

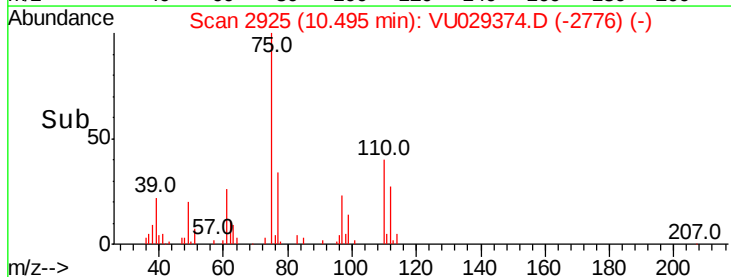
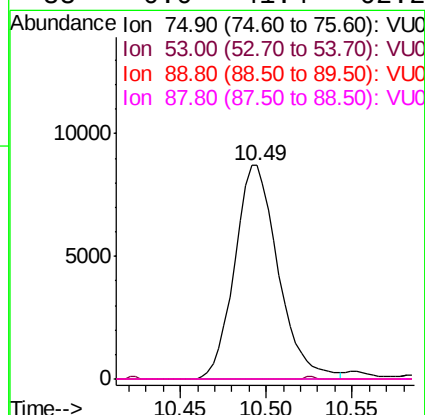
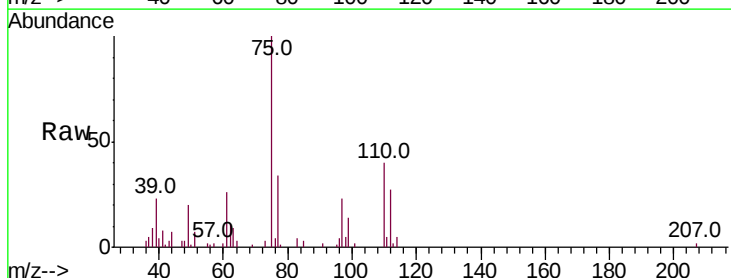
Instrument :
MSVOA_U
ClientSampled :

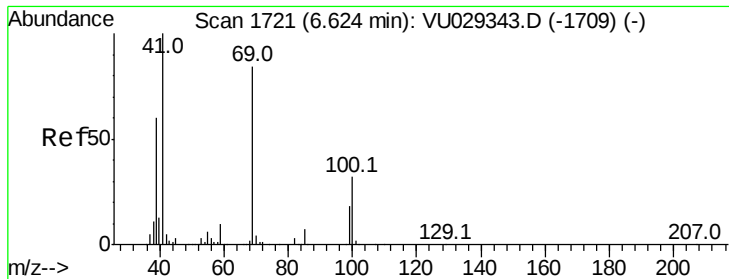
Tot Ion: 43 Resp: 79
Ion Ratio Lower Upper
43 100
58 0.0 17.6 52.8#
85 0.0 12.3 18.5#



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

Tgt Ion: 75 Resp: 15381
Ion Ratio Lower Upper
75 100
53 0.3 78.2 117.4#
89 0.3 44.2 66.4#
88 0.0 41.4 62.2#

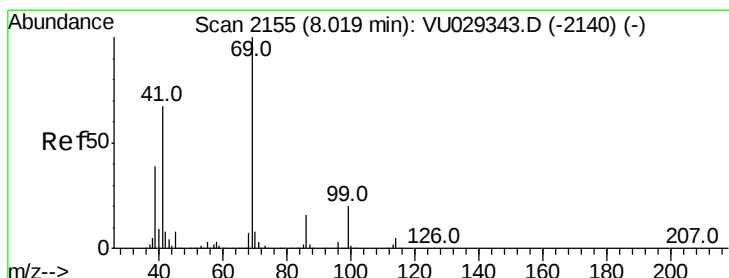
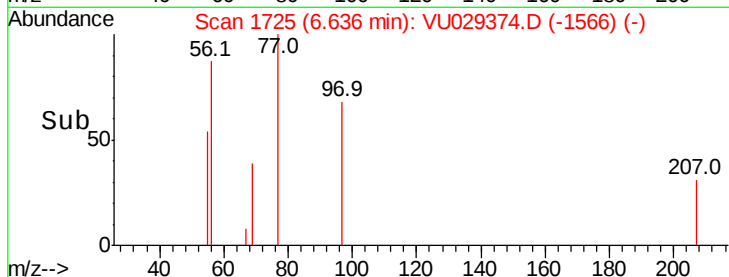
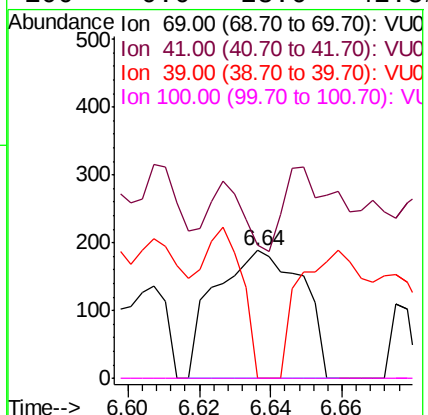
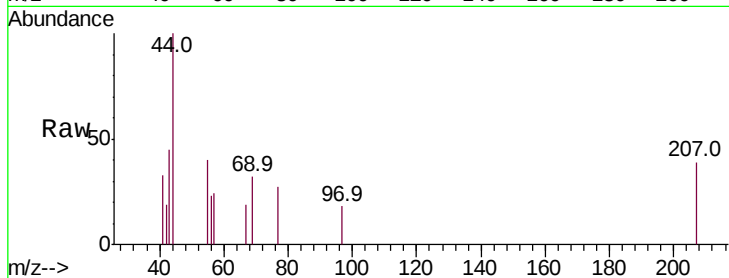




#47
Methyl methacrylate
Concen: 0.038 ug/l
RT: 6.64 min Scan# 1725
Delta R.T. 0.01 min
Lab File: VU029374.D
Acq: 08 Feb 2019 11:59

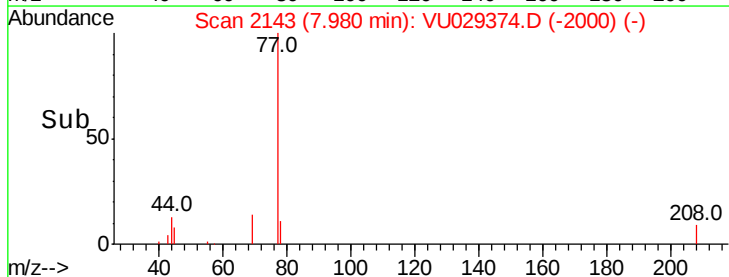
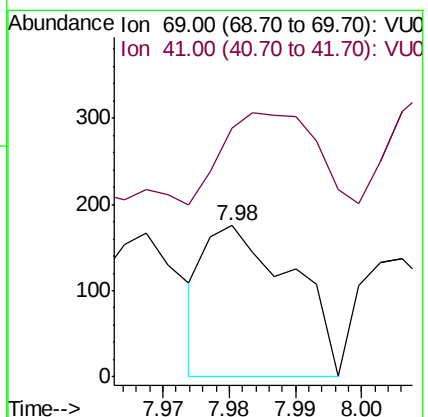
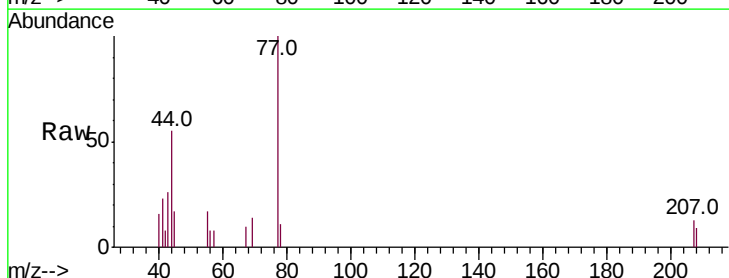
Instrument :
MSVOA_U
ClientSampleId :

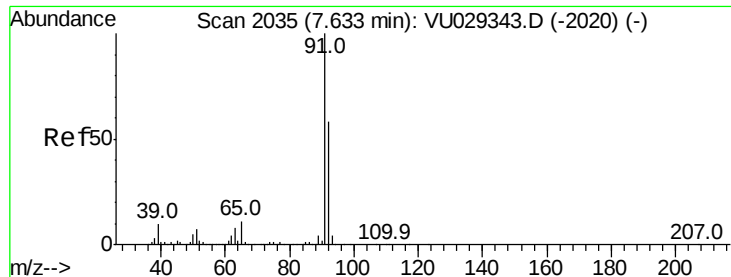
Tot Ion: 69 Resp: 320
Ion Ratio Lower Upper
69 100
41 21.3 0.0 296.2
39 54.7 71.2 106.8#
100 0.0 28.6 42.8#



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

Tgt Ion: 69 Resp: 160
Ion Ratio Lower Upper
69 100
41 113.8 39.9 119.7





#49

Toluene

Concen: 0.009 ug/l

RT: 7.65 min Scan# 2041

Delta R.T. 0.02 min

Lab File: VU029374.D

Acq: 08 Feb 2019 11:59

Instrument :

MSVOA_U

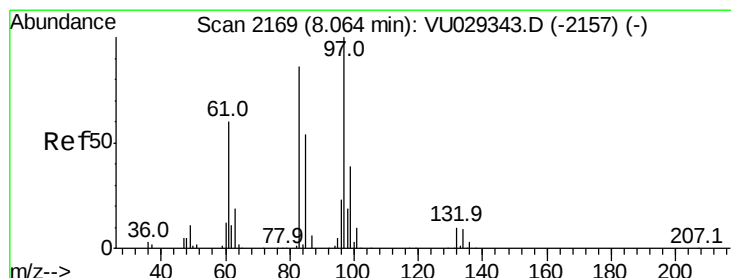
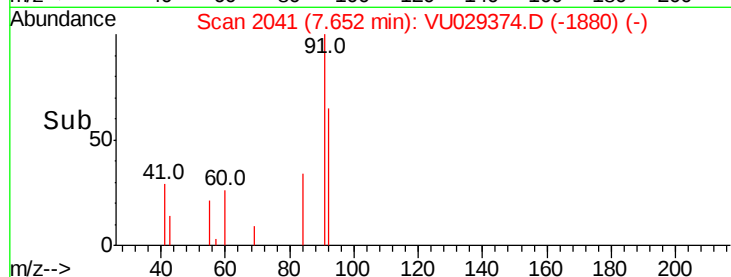
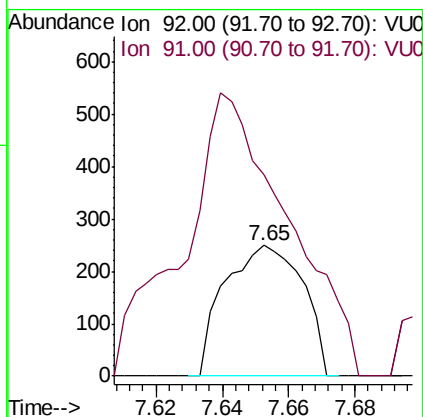
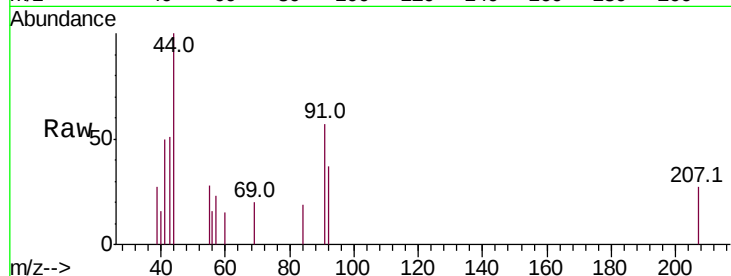
ClientSampled :

Tot Ion: 92 Resp: 409

Ion Ratio Lower Upper

92 100

91 292.4 140.7 211.1#



#52

1,1,2-Trichloroethane

Concen: 0.006 ug/l

RT: 8.05 min Scan# 2166

Delta R.T. -0.01 min

Lab File: VU029374.D

Acq: 08 Feb 2019 11:59

Tgt Ion: 97 Resp: 79

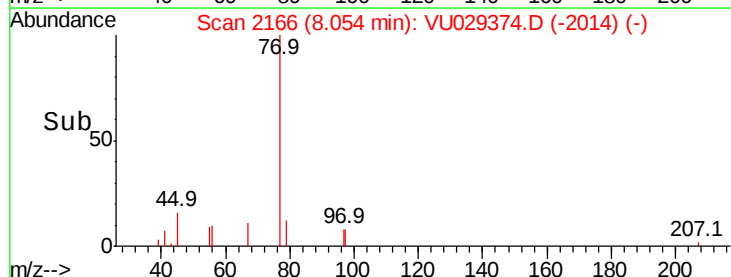
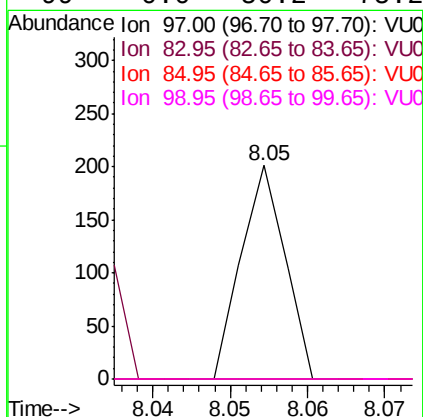
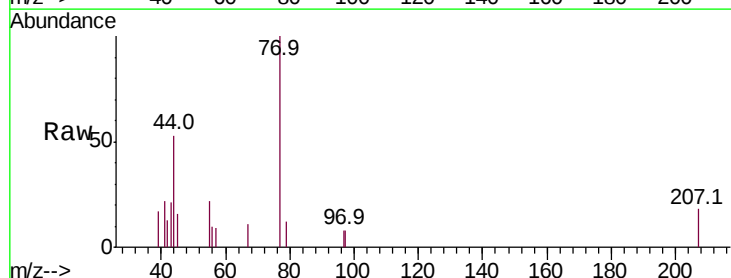
Ion Ratio Lower Upper

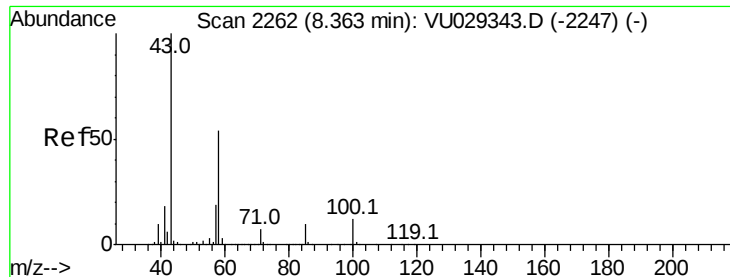
97 100

83 0.0 69.9 104.9#

85 0.0 45.8 68.6#

99 0.0 50.2 75.2#





#54

2-Hexanone

Concen: 0.064 ug/l

RT: 8.39 min Scan# 2271

Delta R.T. 0.03 min

Lab File: VU029374.D

Acq: 08 Feb 2019 11:59

Instrument :
MSVOA_U
ClientSampled :

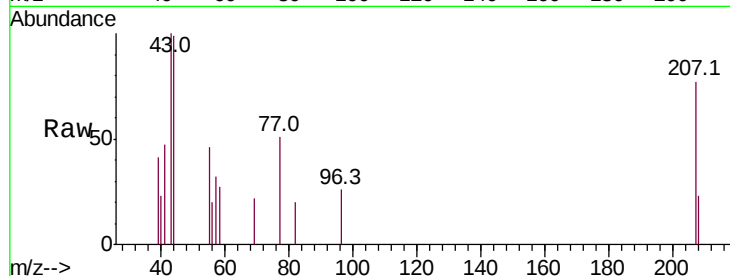
Tot Ion: 43 Resp: 498

Ion Ratio Lower Upper

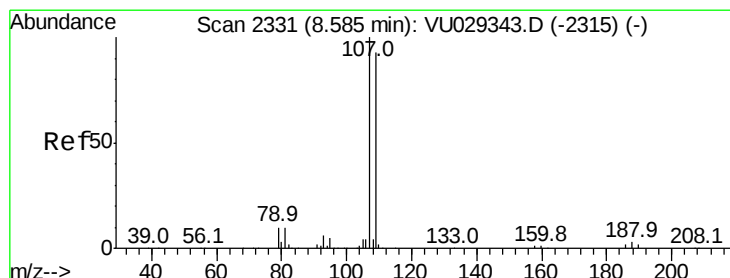
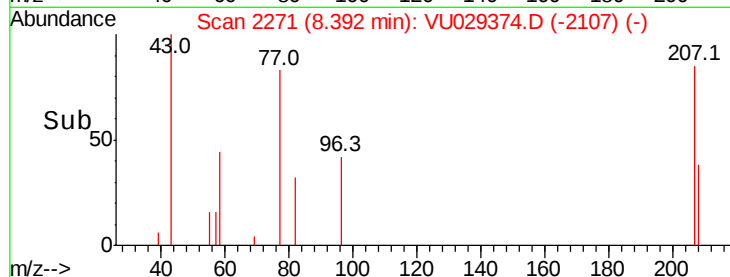
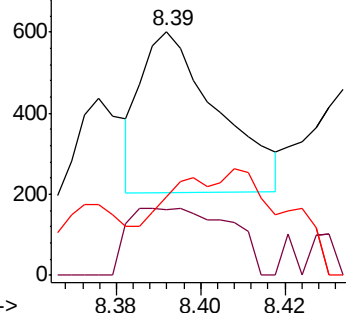
43 100

58 56.2 26.0 66.0

57 17.3 0.0 37.7



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



#56

1,2-Dibromoethane

Concen: 0.769 ug/l

RT: 8.59 min Scan# 2332

Delta R.T. 0.00 min

Lab File: VU029374.D

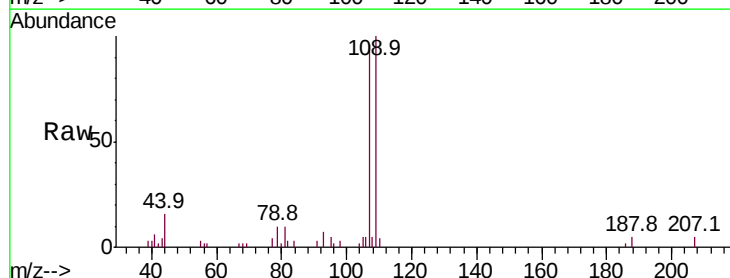
Acq: 08 Feb 2019 11:59

Tgt Ion: 107 Resp: 9931

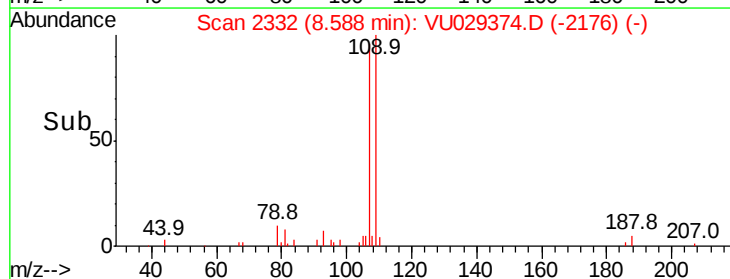
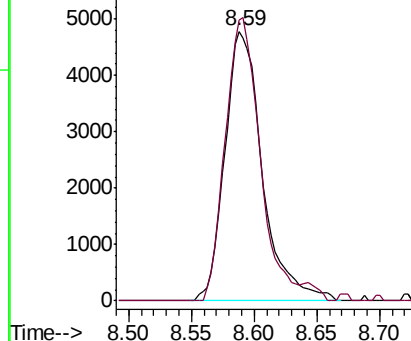
Ion Ratio Lower Upper

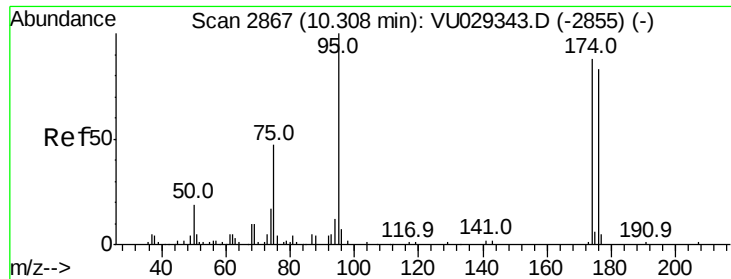
107 100

109 97.2 0.0 189.6



Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V





#57

4-Bromofluorobenzene

Concen: 0.769 ug/l

RT: 10.31 min Scan# 2867

Delta R.T. -0.00 min

Lab File: VU029374.D

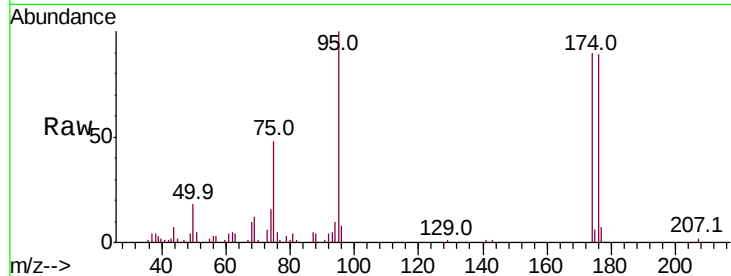
Acq: 08 Feb 2019 11:59

Instrument :

MSVOA_U

ClientSampleId :

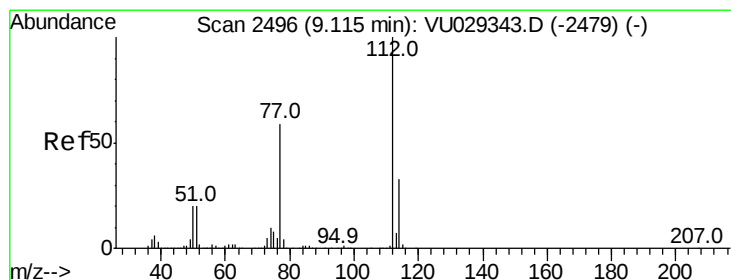
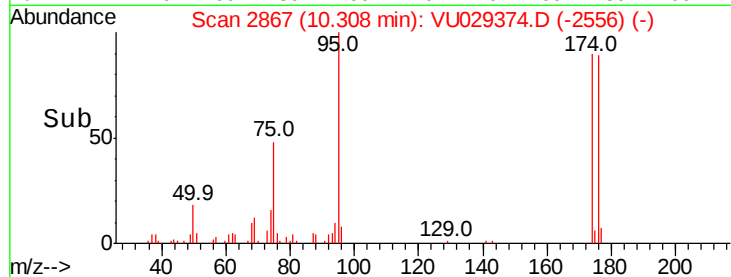
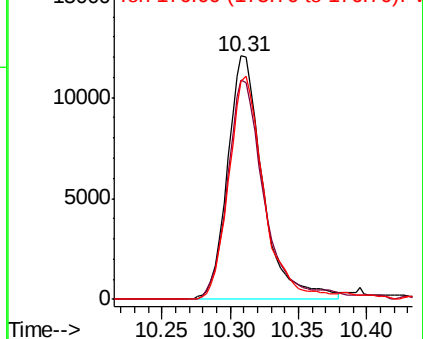
Tot Ion:	95	Resp:	21717
Ion	Ratio	Lower	Upper
95	100		
174	93.9	64.2	96.2
176	90.9	62.3	93.5



Abundance Ion 95.00 (94.70 to 95.70): VU029374.D (-2556) (-)

Ion 174.00 (173.70 to 174.70): VU029374.D (-2556) (-)

Ion 176.00 (175.70 to 176.70): VU029374.D (-2556) (-)



#59

Chlorobenzene

Concen: 0.005 ug/l

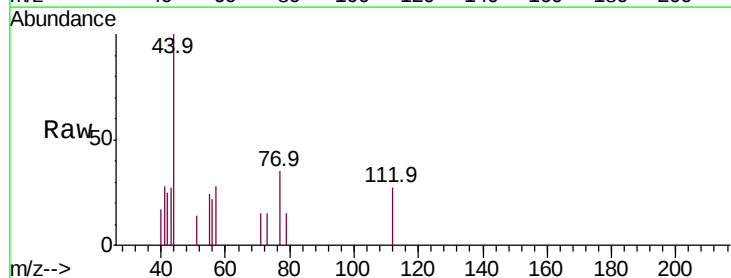
RT: 9.13 min Scan# 2501

Delta R.T. 0.02 min

Lab File: VU029374.D

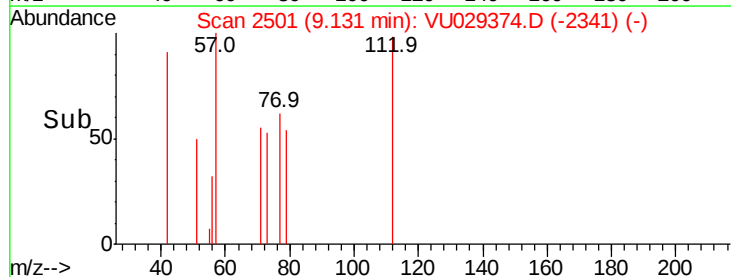
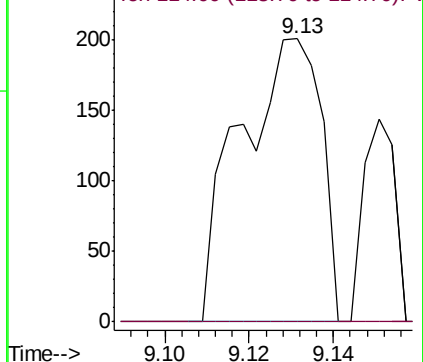
Acq: 08 Feb 2019 11:59

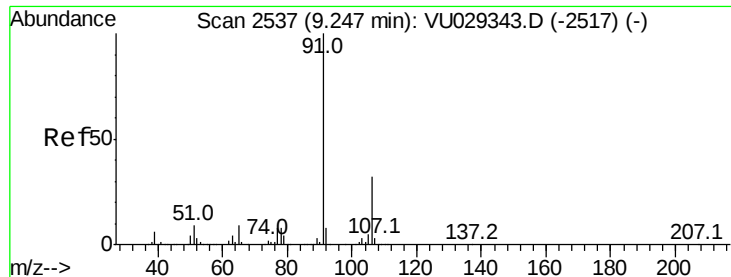
Tgt Ion:	112	Resp:	267
Ion	Ratio	Lower	Upper
112	100		
114	0.0	26.2	39.4#



Abundance Ion 112.00 (111.70 to 112.70): VU029374.D (-2341) (-)

Ion 114.00 (113.70 to 114.70): VU029374.D (-2341) (-)

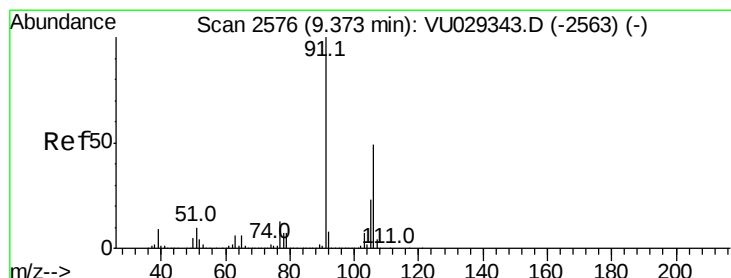
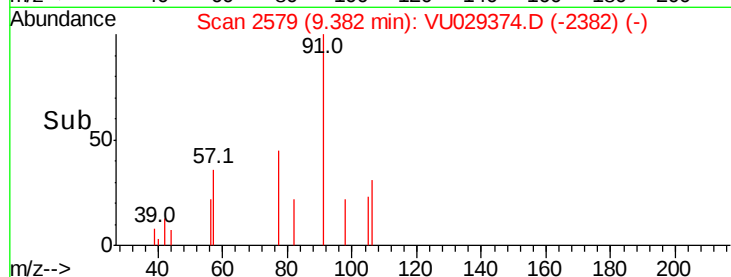
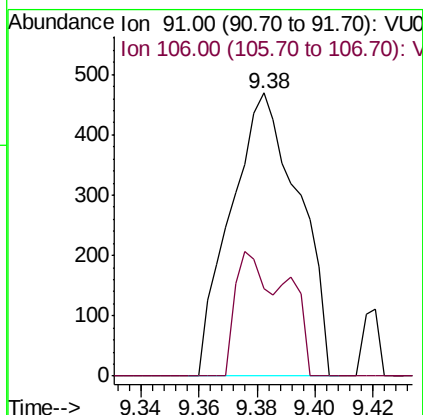
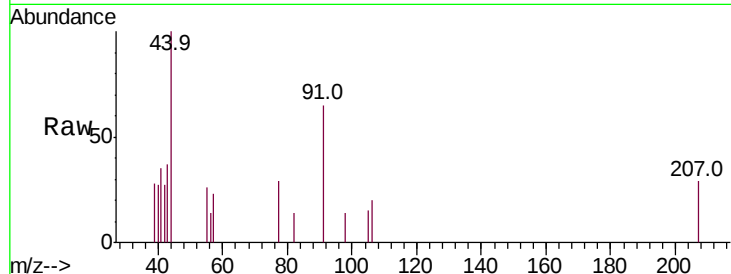




#63
Ethyl Benzene
Concen: 0.009 ug/l
RT: 9.38 min Scan# 2579
Delta R.T. 0.13 min
Lab File: VU029374.D
Acq: 08 Feb 2019 11:59

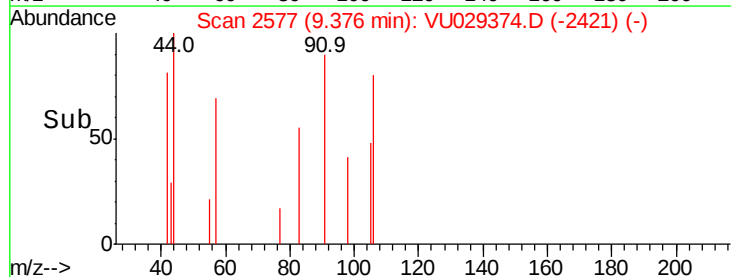
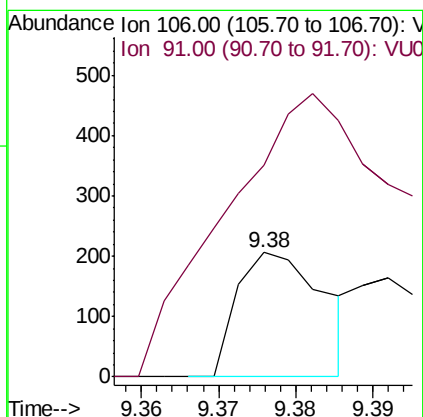
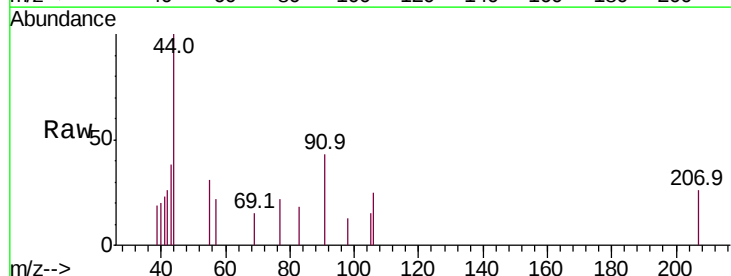
Instrument :
MSVOA_U
ClientSampleId :

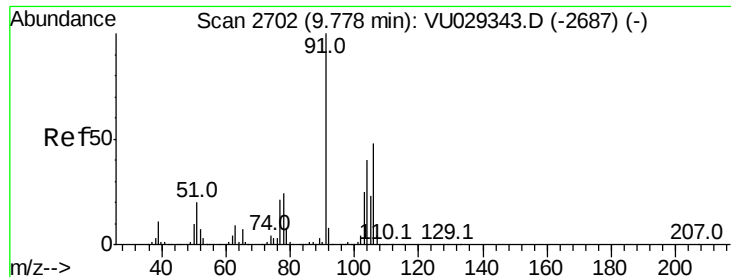
Tot Ion: 91 Resp: 764
Ion Ratio Lower Upper
91 100
106 31.1 23.8 35.6



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

Tgt Ion: 106 Resp: 161
Ion Ratio Lower Upper
106 100
91 474.5 174.6 261.8#





#65

o-Xylene

Concen: 0.001 ug/l

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VU029374.D

Acq: 08 Feb 2019 11:59

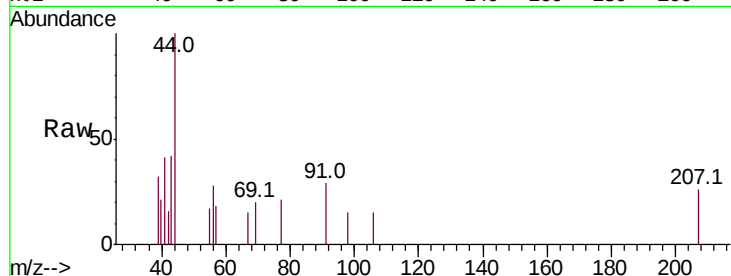
Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 20

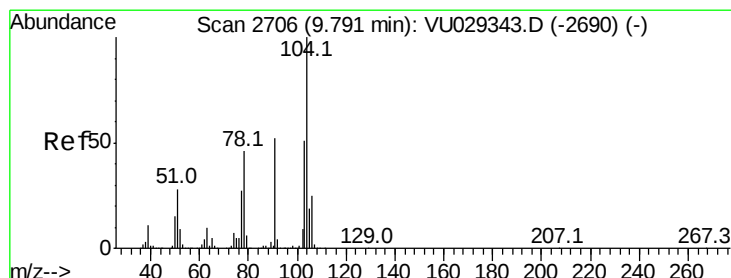
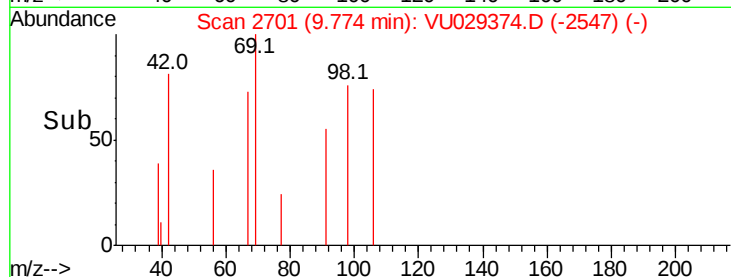
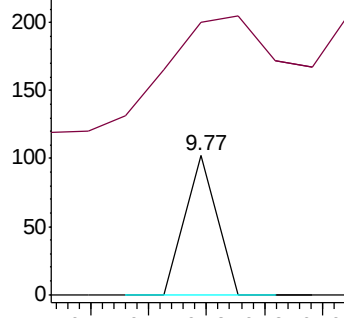
Ion Ratio Lower Upper

106 100

91 1335.0 114.5 343.4#



Abundance Ion 106.00 (105.70 to 106.70): V



#66

Styrene

Concen: 0.002 ug/l

RT: 9.80 min Scan# 2710

Delta R.T. 0.01 min

Lab File: VU029374.D

Acq: 08 Feb 2019 11:59

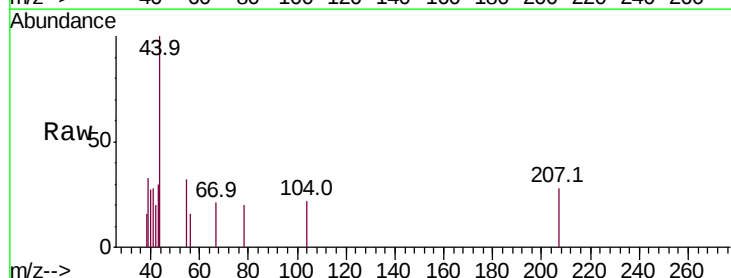
Tgt Ion:104 Resp: 126

Ion Ratio Lower Upper

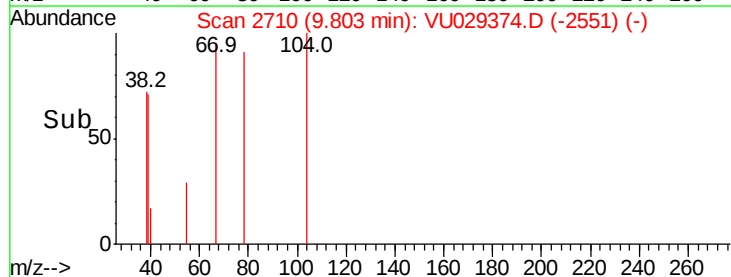
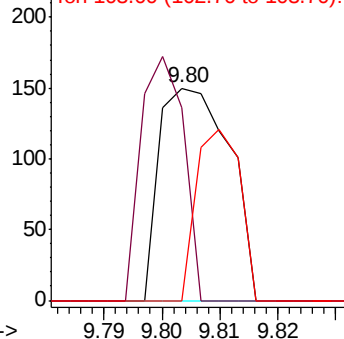
104 100

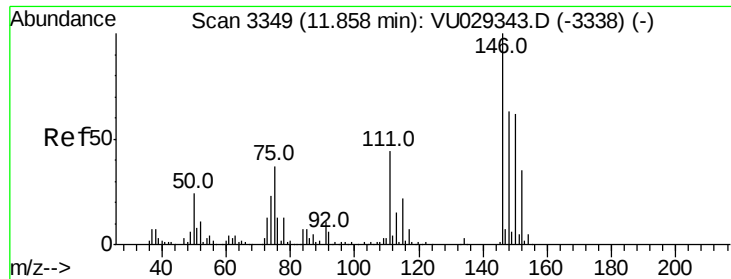
78 69.8 46.5 69.7#

103 50.8 44.7 67.1



Abundance Ion 104.00 (103.70 to 104.70): V

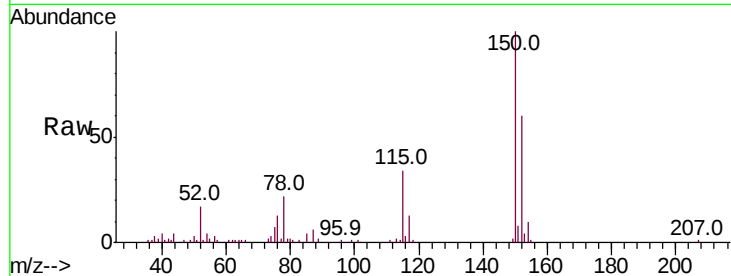




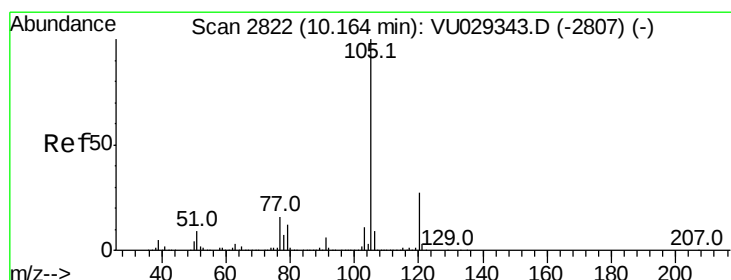
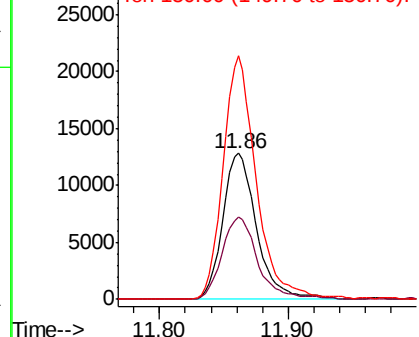
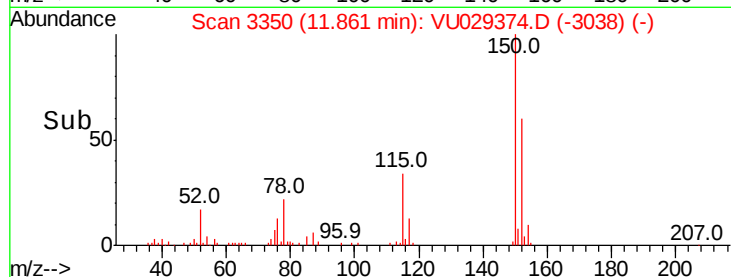
#68
 1,2-Dichlorobenzene-d4
 Concen: N.D. ug/l
 RT: 11.86 min Scan# 3350
 Delta R.T. 0.00 min
 Lab File: VU029374.D
 Acq: 08 Feb 2019 11:59

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:152 Resp: 23292
 Ion Ratio Lower Upper
 152 100
 115 59.6 0.0 133.4
 150 162.6 0.0 670.8

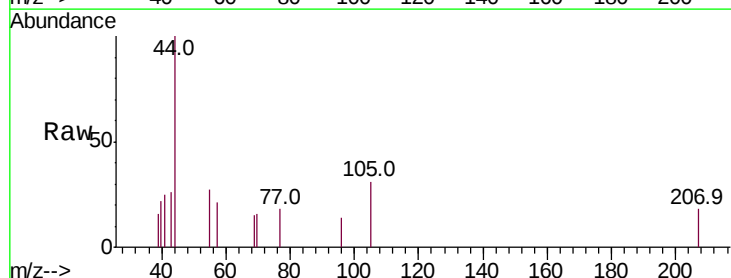


Abundance Ion 152.00 (151.70 to 152.70): V
 Ion 115.00 (114.70 to 115.70): V
 Ion 150.00 (149.70 to 150.70): V

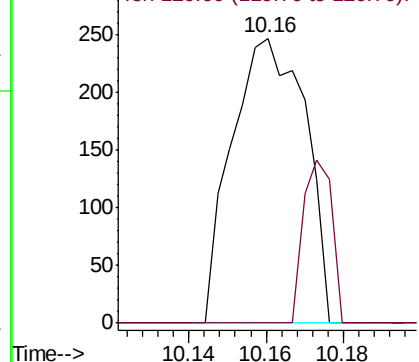
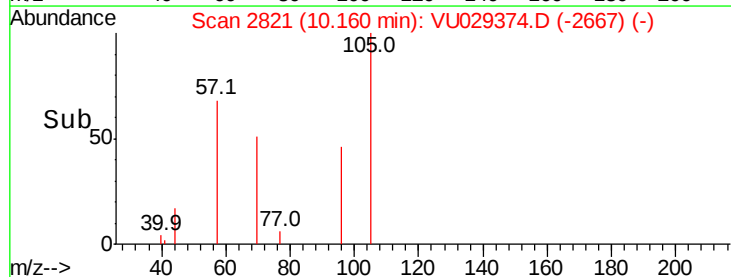


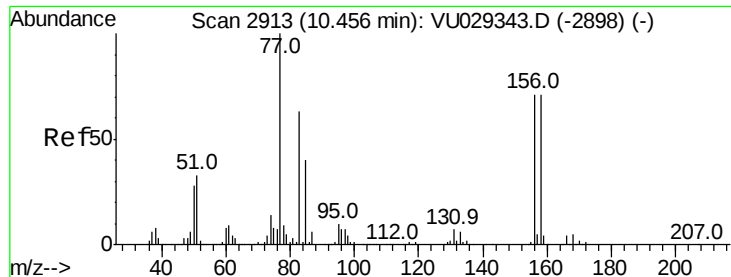
#69
 Isopropylbenzene
 Concen: 0.004 ug/l
 RT: 10.16 min Scan# 2821
 Delta R.T. -0.00 min
 Lab File: VU029374.D
 Acq: 08 Feb 2019 11:59

Tgt Ion:105 Resp: 326
 Ion Ratio Lower Upper
 105 100
 120 22.4 12.6 37.6



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





#70

1,1,2,2-Tetrachloroethane

Concen: 0.036 ug/l

RT: 10.50 min Scan# 2926

Delta R.T. 0.04 min

Lab File: VU029374.D

Acq: 08 Feb 2019 11:59

Instrument :

MSVOA_U

ClientSampleId :

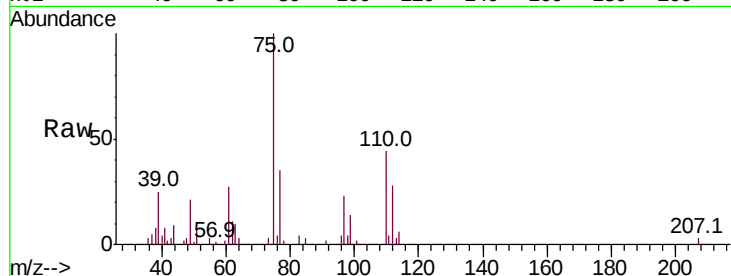
Tot Ion: 83 Resp: 573

Ion Ratio Lower Upper

83 100

131 0.0 8.1 12.1#

85 58.8 50.3 75.5



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VU0

10.50

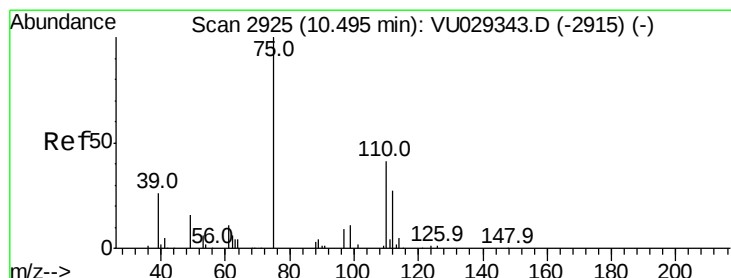
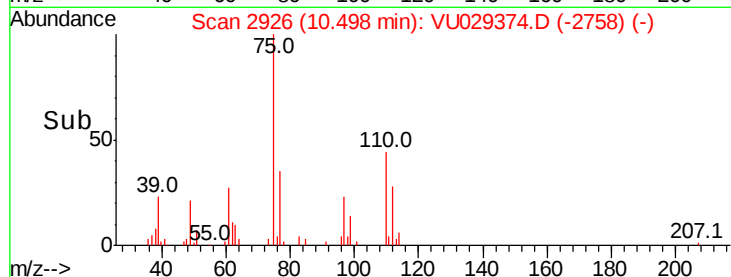
300

200

100

0

Time-->



#71

1,2,3-Trichloropropane

Concen: 1.389 ug/l

RT: 10.49 min Scan# 2925

Delta R.T. -0.00 min

Lab File: VU029374.D

Acq: 08 Feb 2019 11:59

Tgt Ion: 75 Resp: 15381

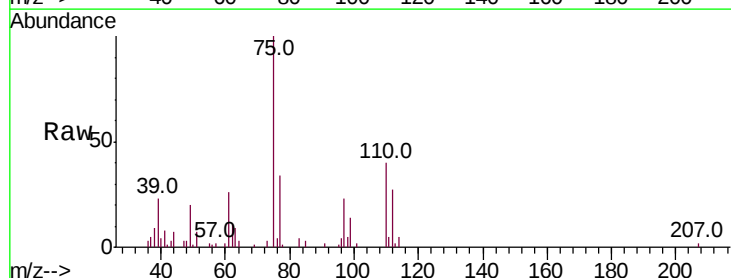
Ion Ratio Lower Upper

75 100

77 35.5 0.0 0.0#

110 39.0 0.0 63.6

97 21.8 0.0 31.4



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

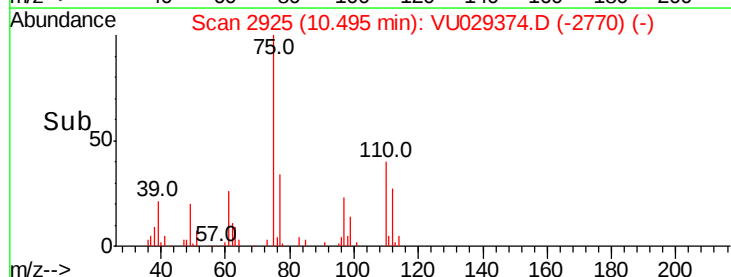
10.49

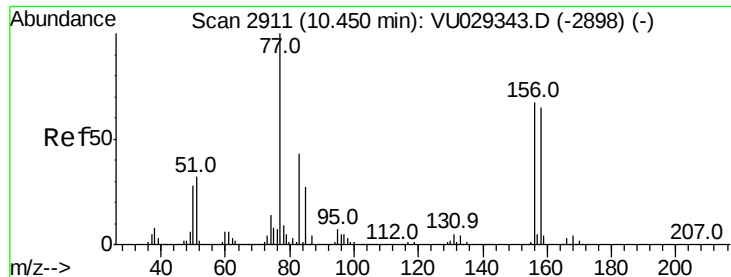
10000

5000

0

Time-->





#72

Bromobenzene

Concen: 0.003 ug/l

RT: 10.46 min Scan# 2915

Delta R.T. 0.01 min

Lab File: VU029374.D

Acq: 08 Feb 2019 11:59

Instrument :

MSVOA_U

ClientSampled :

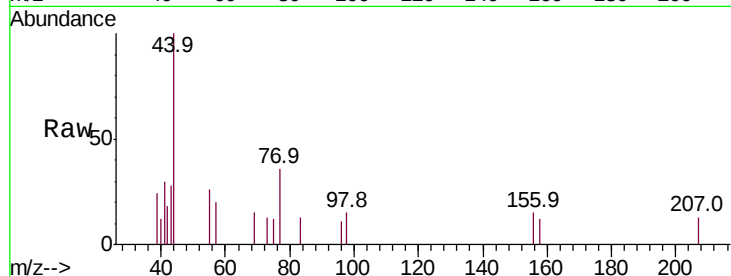
Tot Ion:156 Resp: 74

Ion Ratio Lower Upper

156 100

77 7385.1 0.0 343.8#

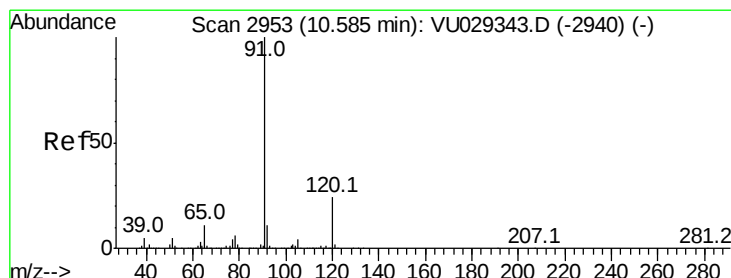
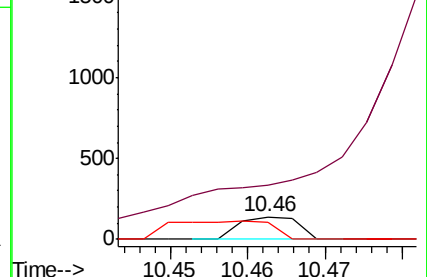
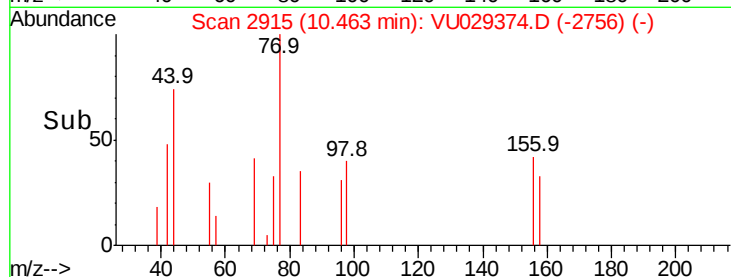
158 139.2 0.0 195.0



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: 0.008 ug/l

RT: 10.77 min Scan# 3012

Delta R.T. 0.19 min

Lab File: VU029374.D

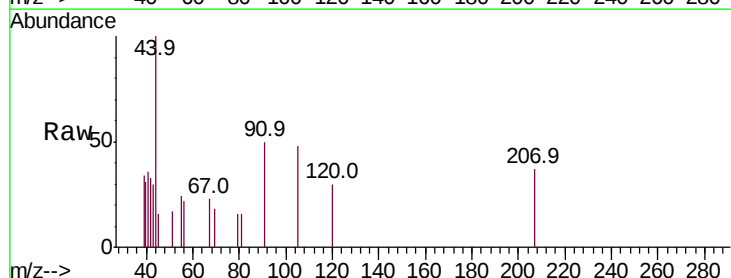
Acq: 08 Feb 2019 11:59

Tgt Ion:120 Resp: 201

Ion Ratio Lower Upper

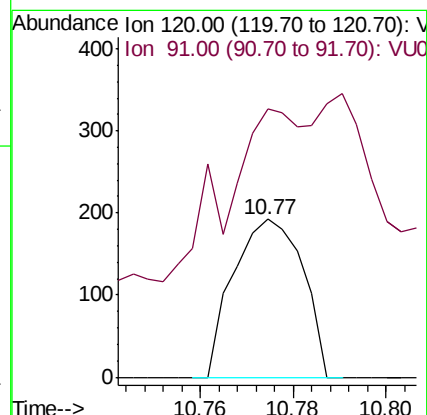
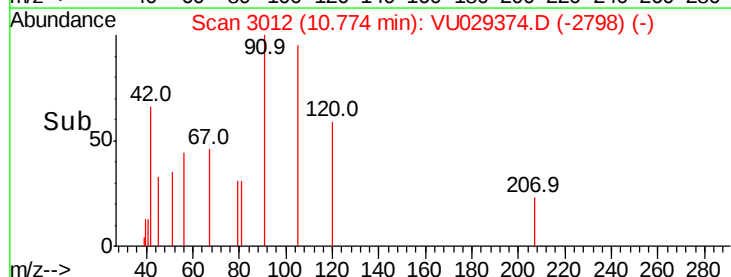
120 100

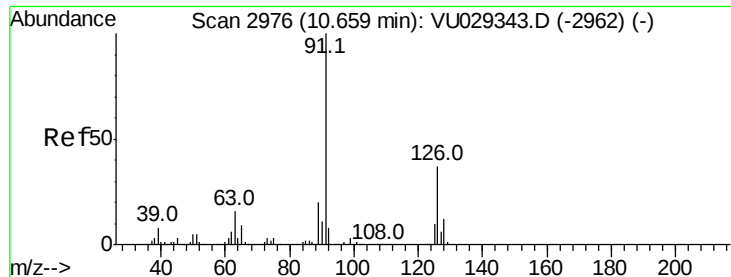
91 258.7 370.0 555.0#



Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0





#74

2-Chlorotoluene

Concen: 0.001 ug/l

RT: 10.68 min Scan# 2983

Delta R.T. 0.02 min

Lab File: VU029374.D

Acq: 08 Feb 2019 11:59

Instrument :

MSVOA_U

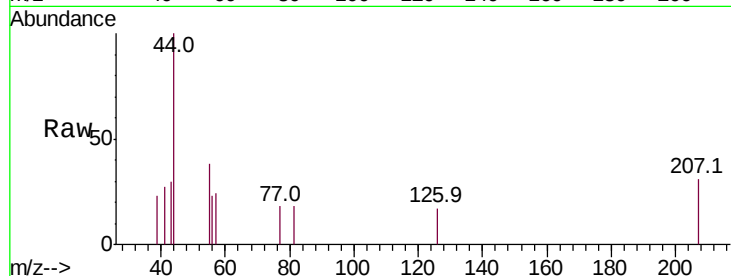
ClientSampleId :

Tot Ion:126 Resp: 19

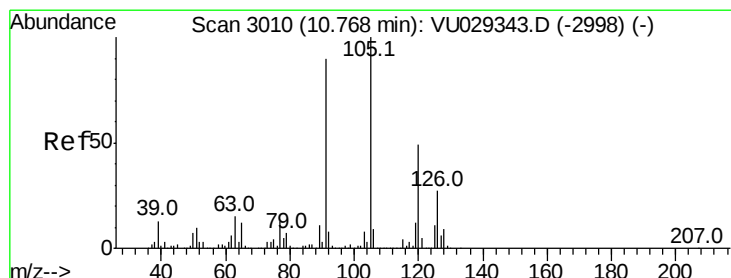
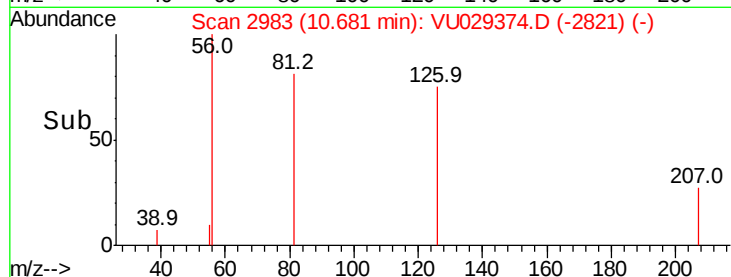
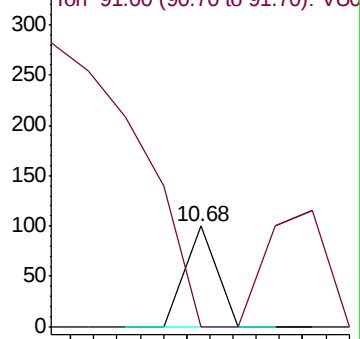
Ion Ratio Lower Upper

126 100

91 215.8 0.0 643.0



Abundance Ion 126.00 (125.70 to 126.70): V



#75

1,3,5-Trimethylbenzene

Concen: 0.006 ug/l

RT: 10.78 min Scan# 3013

Delta R.T. 0.01 min

Lab File: VU029374.D

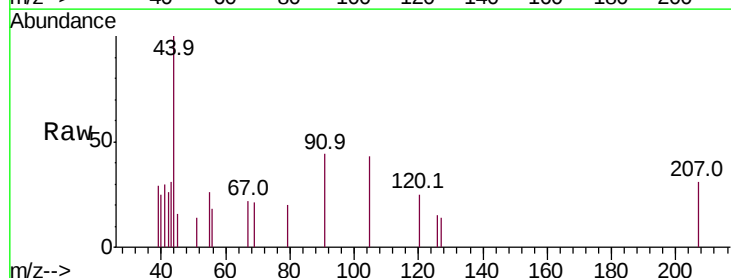
Acq: 08 Feb 2019 11:59

Tgt Ion:105 Resp: 485

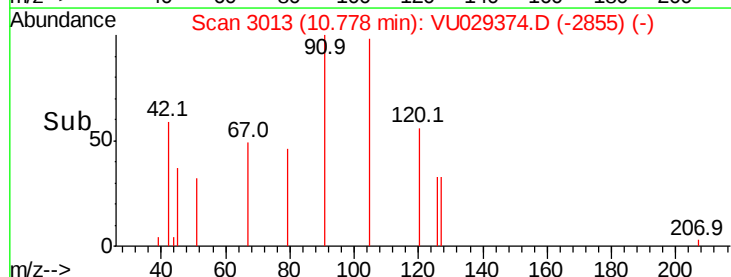
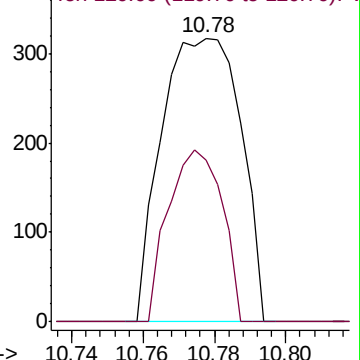
Ion Ratio Lower Upper

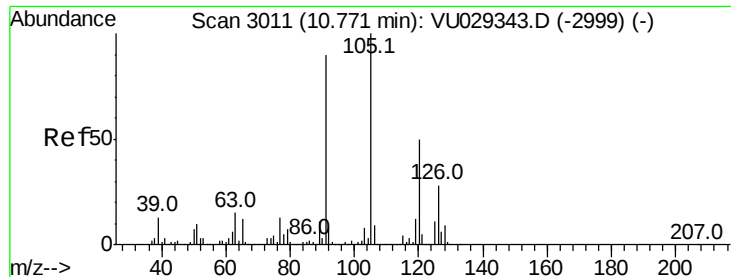
105 100

120 41.4 37.3 55.9



Abundance Ion 105.00 (104.70 to 105.70): V





#76

4-Chlorotoluene

Concen: 0.004 ug/l

RT: 10.78 min Scan# 3014

Delta R.T. 0.01 min

Lab File: VU029374.D

Acq: 08 Feb 2019 11:59

Instrument :

MSVOA_U

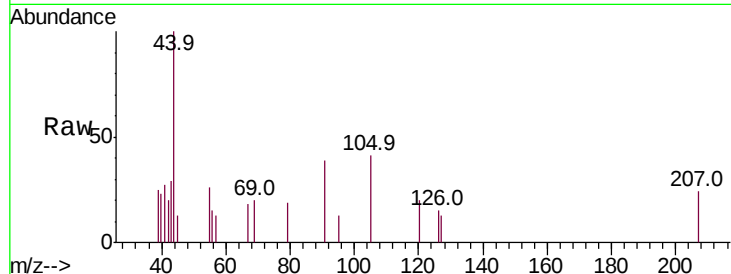
ClientSampleId :

Tot Ion:126 Resp: 86

Ion Ratio Lower Upper

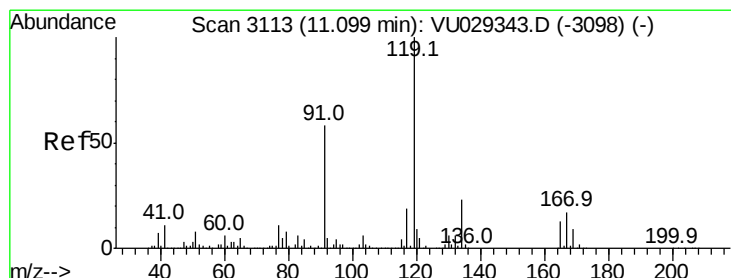
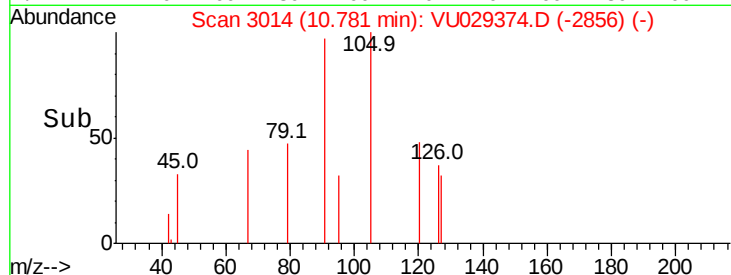
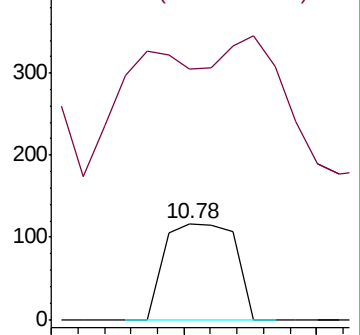
126 100

91 604.7 0.0 727.4



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0



#77

tert-Butylbenzene

Concen: 0.005 ug/l

RT: 11.10 min Scan# 3114

Delta R.T. 0.00 min

Lab File: VU029374.D

Acq: 08 Feb 2019 11:59

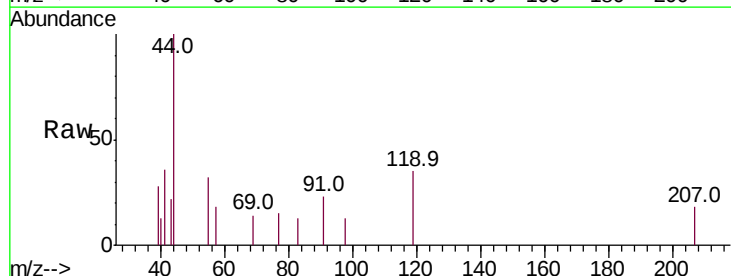
Tgt Ion:119 Resp: 348

Ion Ratio Lower Upper

119 100

91 51.7 32.2 96.6

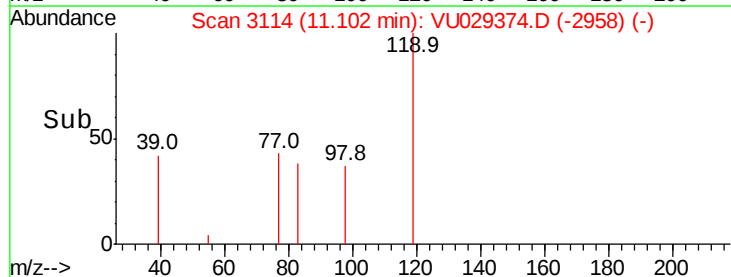
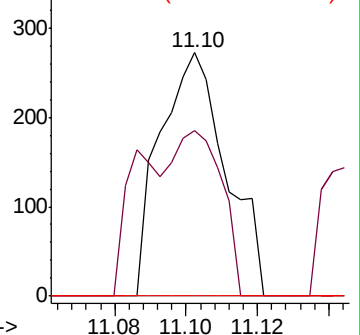
134 0.0 17.6 26.4#

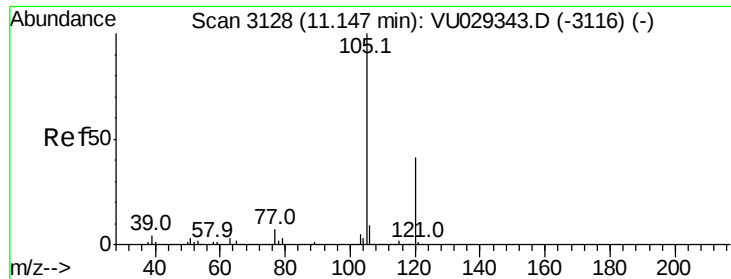


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VU0

Ion 134.00 (133.70 to 134.70): V





#78

1,2,4-Trimethylbenzene

Concen: 0.009 ug/l

RT: 11.15 min Scan# 3129

Delta R.T. 0.00 min

Lab File: VU029374.D

Acq: 08 Feb 2019 11:59

Instrument :

MSVOA_U

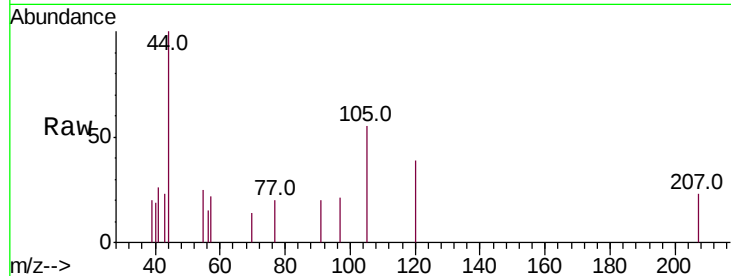
ClientSampleId :

Tot Ion:105 Resp: 669

Ion Ratio Lower Upper

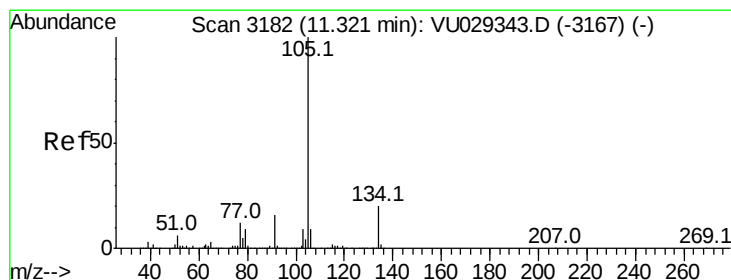
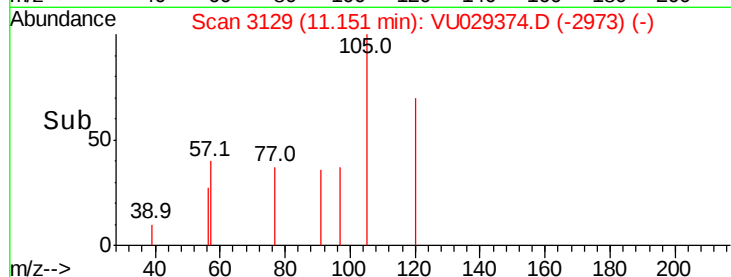
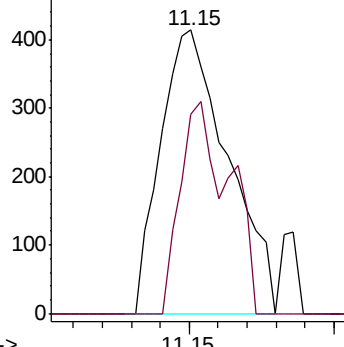
105 100

120 37.7 21.4 64.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#79

sec-Butylbenzene

Concen: 0.006 ug/l

RT: 11.32 min Scan# 3182

Delta R.T. -0.00 min

Lab File: VU029374.D

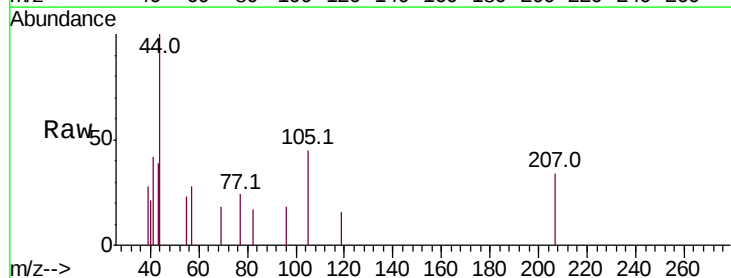
Acq: 08 Feb 2019 11:59

Tgt Ion:105 Resp: 550

Ion Ratio Lower Upper

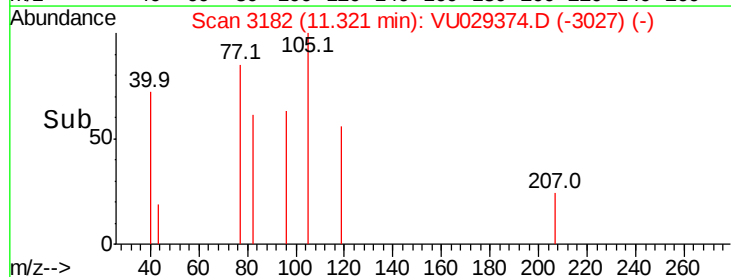
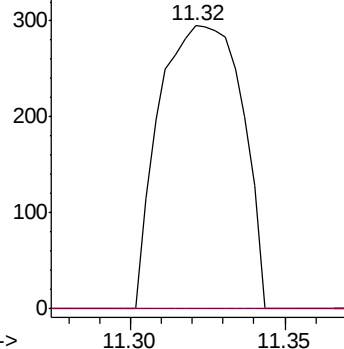
105 100

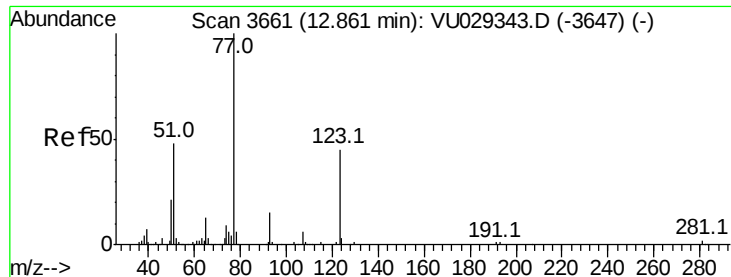
134 16.2 15.0 22.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V





#80

Nitrobenzene

Concen: 0.097 ug/l

RT: 12.88 min Scan# 3666

Delta R.T. 0.02 min

Lab File: VU029374.D

Acq: 08 Feb 2019 11:59

Instrument :

MSVOA_U

ClientSampleId :

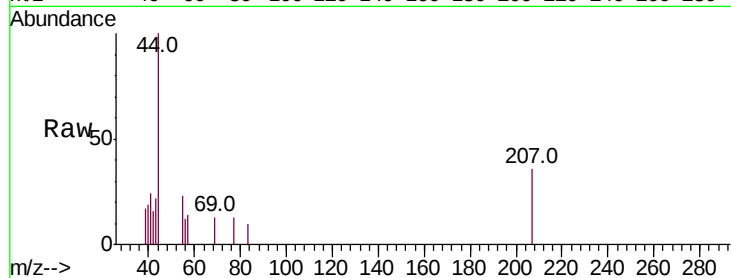
Tot Ion: 77 Resp: 70

Ion Ratio Lower Upper

77 100

123 0.0 17.5 61.9#

65 0.0 10.8 13.8#



Abundance Ion 77.00 (76.70 to 77.70): VU029374.D (-3666) (-)

Ion 123.00 (122.70 to 123.70): VU029374.D (-3666) (-)

Ion 65.00 (64.70 to 65.70): VU029374.D (-3666) (-)

12.88

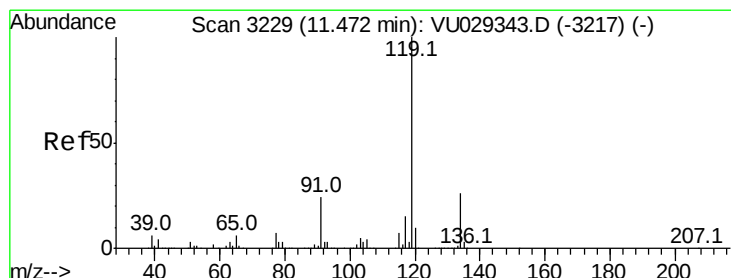
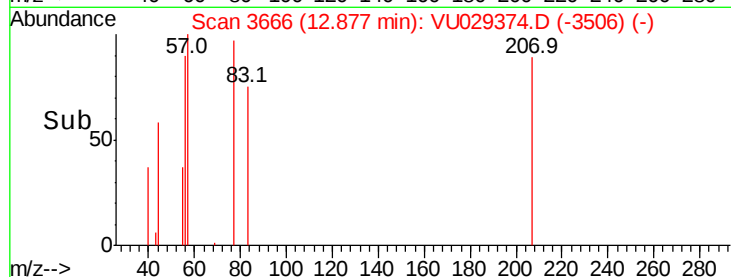
100

50

0

12.86 12.87 12.88 12.89

Time-->



#81

p-Isopropyltoluene

Concen: 0.009 ug/l

RT: 11.49 min Scan# 3233

Delta R.T. 0.01 min

Lab File: VU029374.D

Acq: 08 Feb 2019 11:59

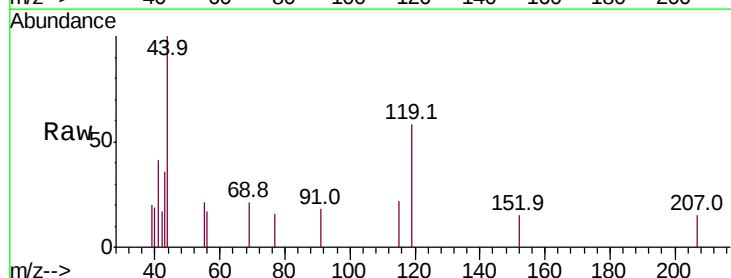
Tgt Ion: 119 Resp: 706

Ion Ratio Lower Upper

119 100

134 12.6 19.8 29.6#

91 26.5 21.5 32.3



Abundance Ion 119.00 (118.70 to 119.70): VU029374.D (-3233) (-)

Ion 134.00 (133.70 to 134.70): VU029374.D (-3233) (-)

Ion 91.00 (90.70 to 91.70): VU029374.D (-3233) (-)

11.49

500

400

300

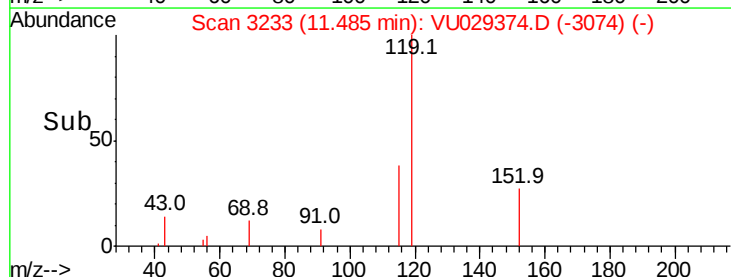
200

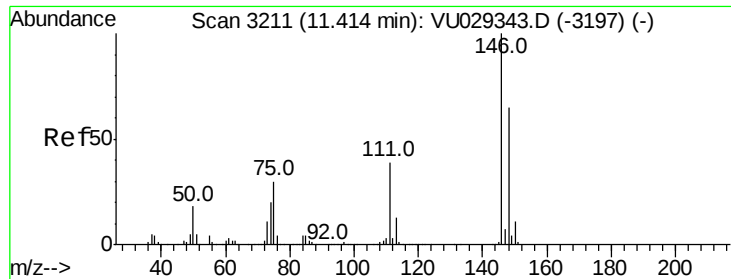
100

0

11.45 11.46 11.47 11.48 11.49 11.50

Time-->





#82

1,3-Dichlorobenzene

Concen: 0.008 ug/l

RT: 11.43 min Scan# 3215

Delta R.T. 0.01 min

Lab File: VU029374.D

Acq: 08 Feb 2019 11:59

Instrument :

MSVOA_U

ClientSampleId :

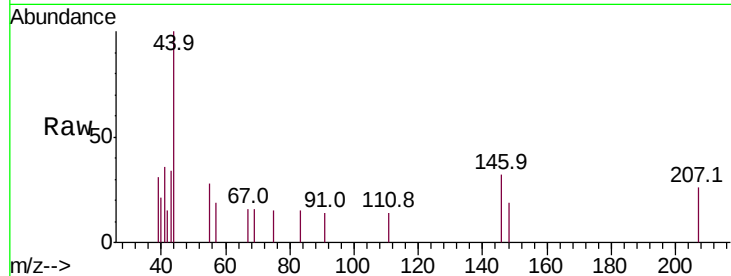
Tot Ion:146 Resp: 338

Ion Ratio Lower Upper

146 100

111 36.1 34.1 51.1

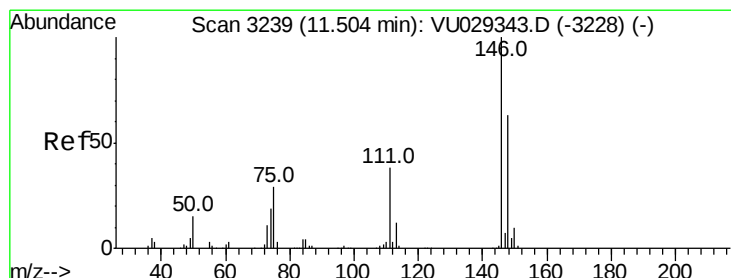
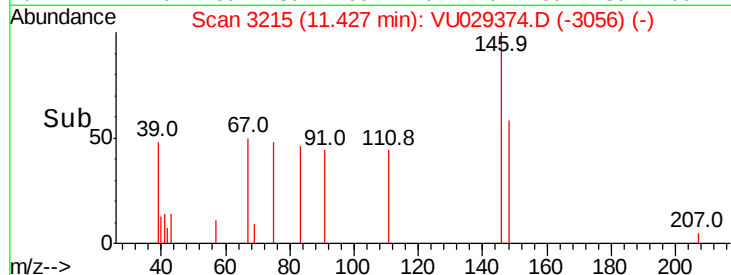
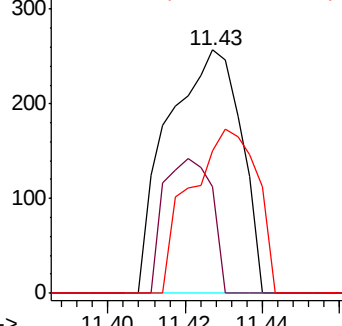
148 61.2 52.3 78.5



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: 0.008 ug/l

RT: 11.43 min Scan# 3215

Delta R.T. -0.08 min

Lab File: VU029374.D

Acq: 08 Feb 2019 11:59

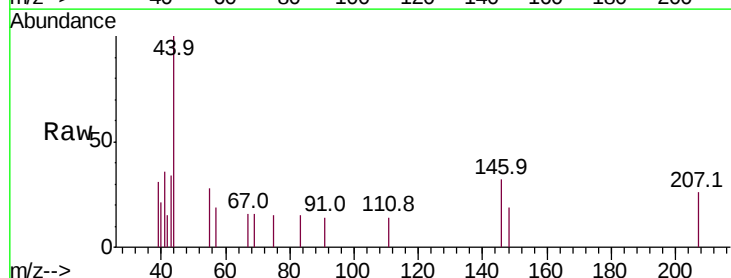
Tgt Ion:146 Resp: 338

Ion Ratio Lower Upper

146 100

111 36.1 32.9 49.3

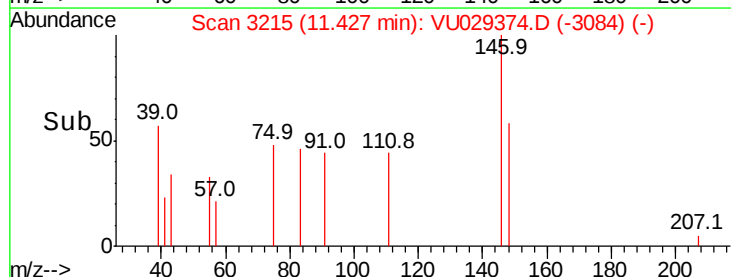
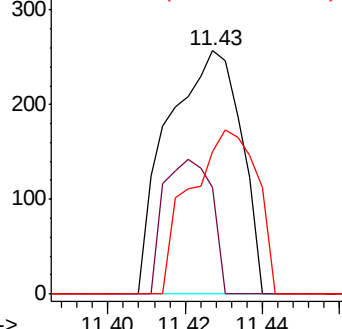
148 61.2 51.8 77.6

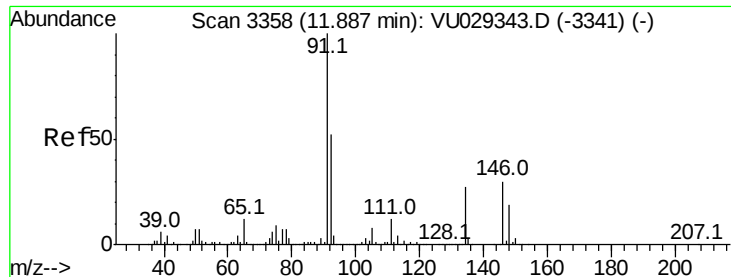


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#84

n-Butylbenzene

Concen: 0.019 ug/l

RT: 11.89 min Scan# 3360

Delta R.T. 0.01 min

Lab File: VU029374.D

Acq: 08 Feb 2019 11:59

Instrument :

MSVOA_U

ClientSampled :

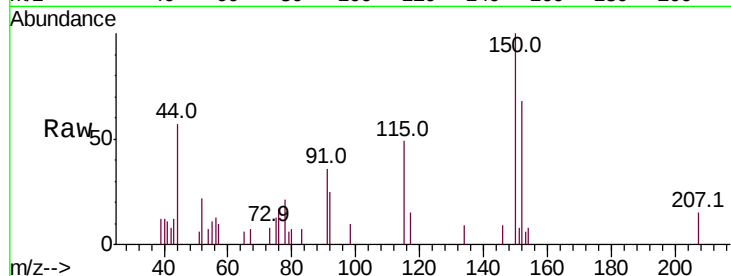
Tot Ion: 91 Resp: 1435

Ion Ratio Lower Upper

91 100

92 48.9 41.0 61.6

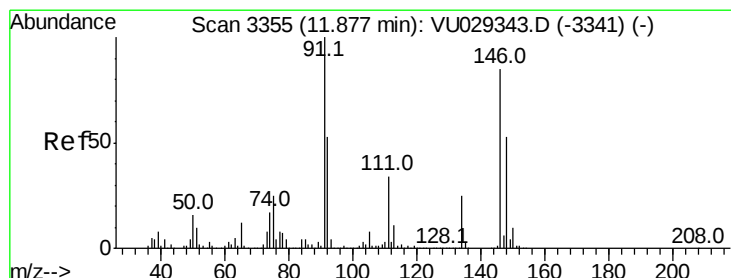
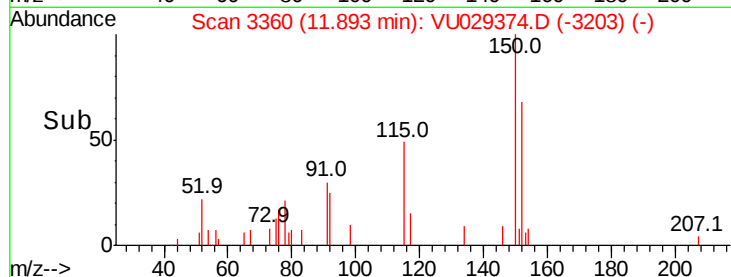
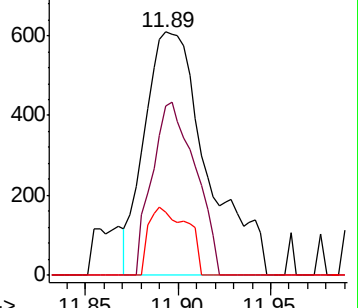
134 17.1 19.1 28.7#



Abundance Ion 91.00 (90.70 to 91.70): VU029374.D (-3341) (-)

Ion 92.00 (91.70 to 92.70): VU029374.D (-3341) (-)

Ion 134.00 (133.70 to 134.70): VU029374.D (-3341) (-)



#85

1,2-Dichlorobenzene

Concen: 0.012 ug/l

RT: 11.88 min Scan# 3356

Delta R.T. 0.00 min

Lab File: VU029374.D

Acq: 08 Feb 2019 11:59

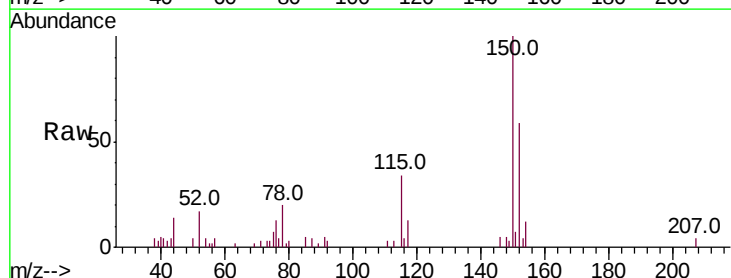
Tgt Ion: 146 Resp: 479

Ion Ratio Lower Upper

146 100

111 50.7 21.9 65.8

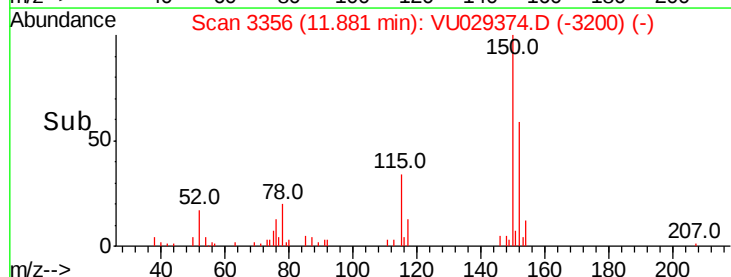
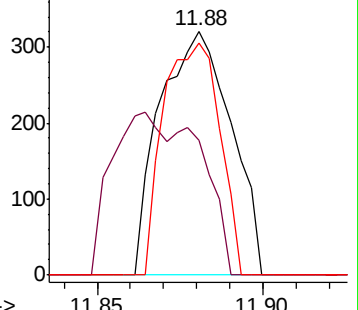
148 74.9 31.8 95.3

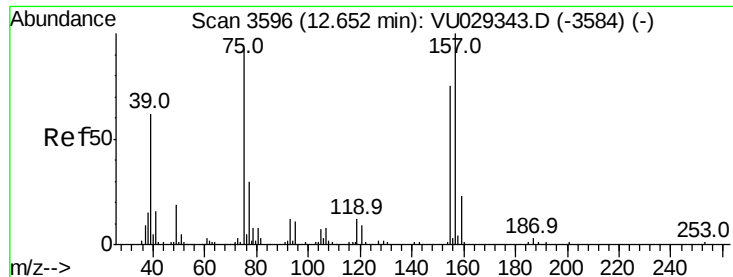


Abundance Ion 146.00 (145.70 to 146.70): VU029374.D (-3200) (-)

Ion 111.00 (110.70 to 111.70): VU029374.D (-3200) (-)

Ion 148.00 (147.70 to 148.70): VU029374.D (-3200) (-)

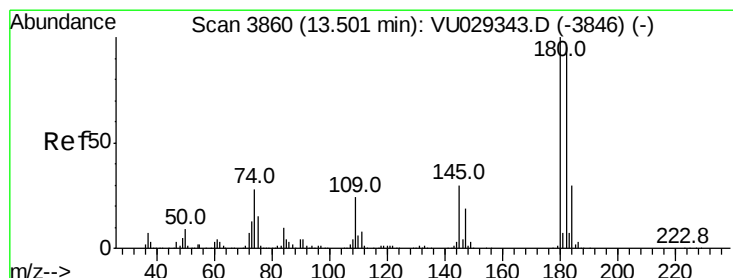
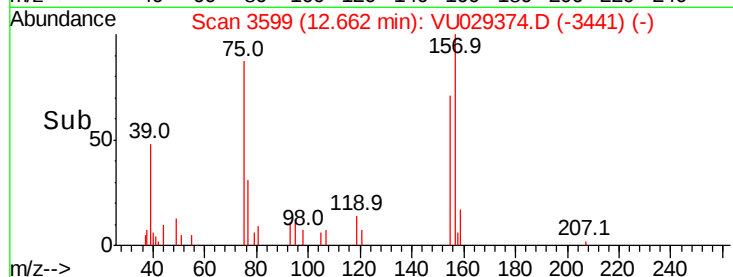
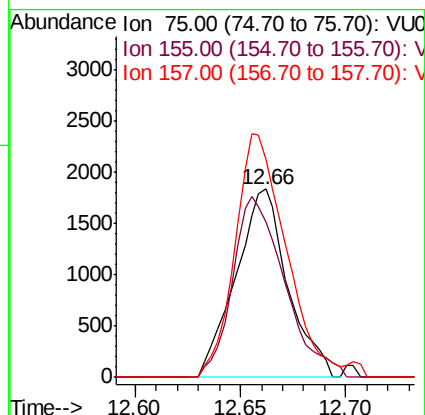
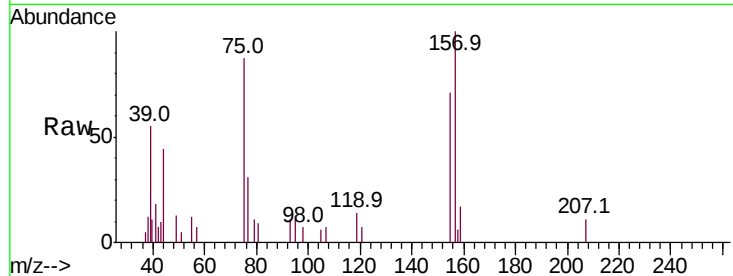




#86
 1,2-Dibromo-3-Chloropropane
 Concen: 1.047 ug/l
 RT: 12.66 min Scan# 3599
 Delta R.T. 0.01 min
 Lab File: VU029374.D
 Acq: 08 Feb 2019 11:59

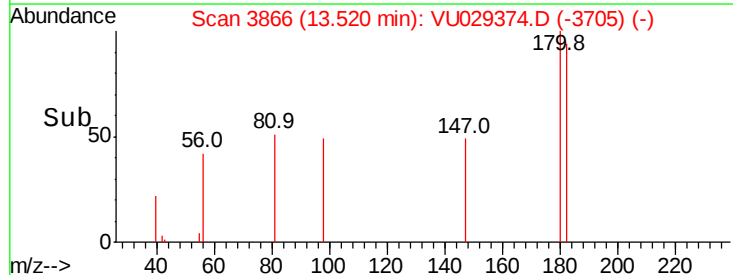
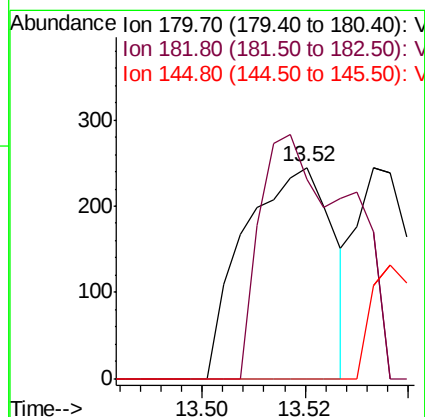
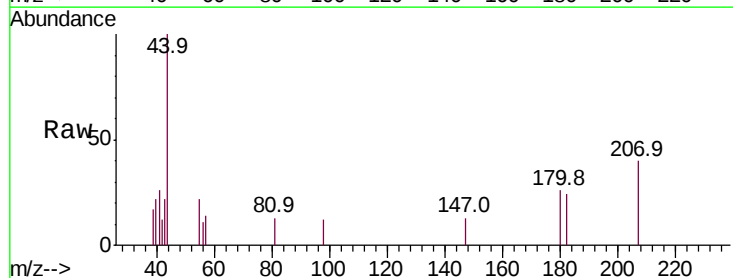
Instrument :
 MSVOA_U
 ClientSampleId :

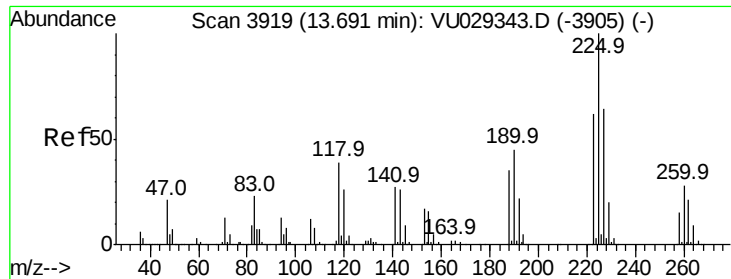
Tot Ion: 75 Resp: 3153
 Ion Ratio Lower Upper
 75 100
 155 95.6 53.8 80.8#
 157 125.9 69.2 103.8#



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

Tgt Ion: 180 Resp: 291
 Ion Ratio Lower Upper
 180 100
 182 116.8 76.6 114.8#
 145 0.0 24.6 36.8#





#88

Hexachlorobutadiene

Concen: 0.017 ug/l

RT: 13.69 min Scan# 3920

Delta R.T. 0.00 min

Lab File: VU029374.D

Acq: 08 Feb 2019 11:59

Instrument :

MSVOA_U

ClientSampled :

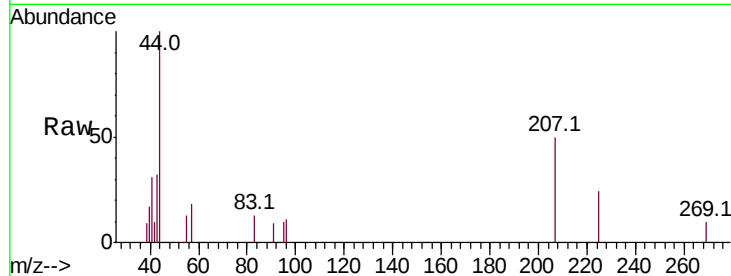
Tot Ion:225 Resp: 271

Ion Ratio Lower Upper

225 100

223 7.0 49.5 74.3#

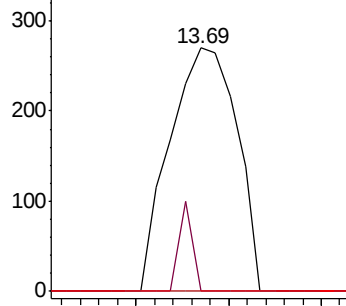
227 0.0 50.4 75.6#



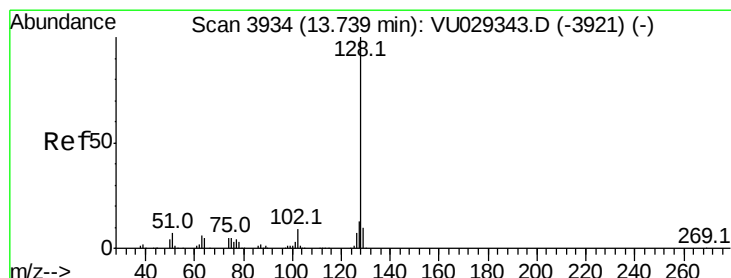
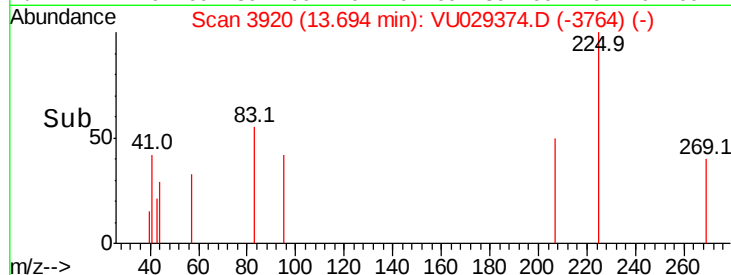
Abundance Ion 224.60 (224.30 to 225.30): V

Ion 222.60 (222.30 to 223.30): V

Ion 226.60 (226.30 to 227.30): V



Time-->



#89

Naphthalene

Concen: 0.015 ug/l

RT: 13.77 min Scan# 3943

Delta R.T. 0.03 min

Lab File: VU029374.D

Acq: 08 Feb 2019 11:59

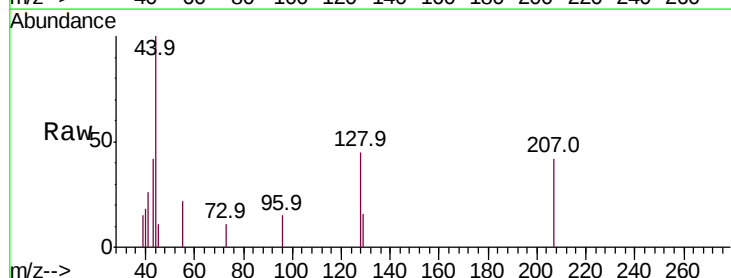
Tgt Ion:128 Resp: 701

Ion Ratio Lower Upper

128 100

127 0.0 10.7 16.1#

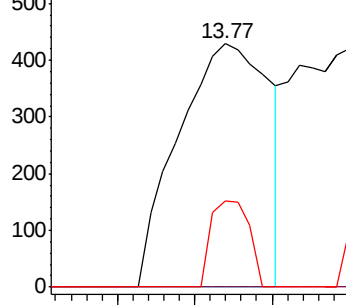
129 15.0 8.2 12.4#



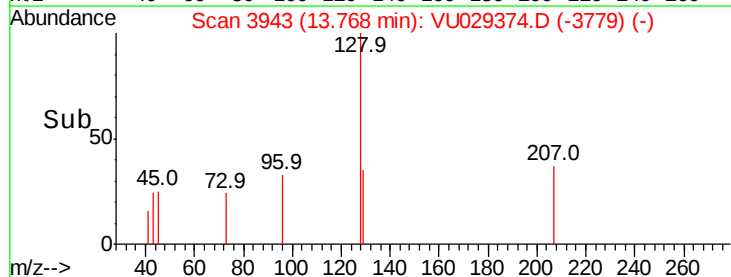
Abundance Ion 128.00 (127.70 to 128.70): V

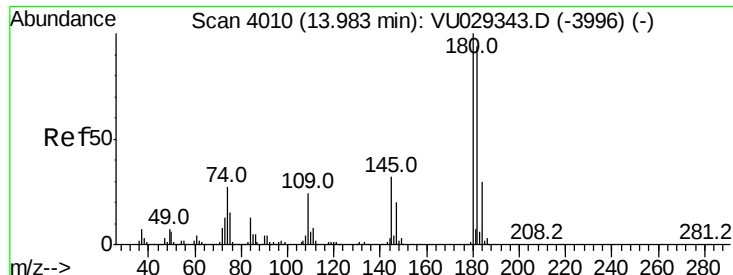
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



Time-->





#90

1,2,3-Trichlorobenzene

Concen: 0.018 ug/l

RT: 14.00 min Scan# 4014

Delta R.T. 0.01 min

Lab File: VU029374.D

Acq: 08 Feb 2019 11:59

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion:180 Resp: 443

Ion Ratio Lower Upper

180 100

182 103.4 78.0 117.0

145 14.9 26.6 39.8#

