

Data File : VU033373.D
Acq On : 23 Jul 2019 11:27
Operator : JC/SP
Sample : VN0723WBS01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VU0723WBS01

Quant Time: Jul 24 02:26:01 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U072219DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Tue Jul 23 03:43:51 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	5.72	96	27854	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.29	95	10589	0.97	ug/l	0.00
Spiked Amount	1.000		Recovery	=	97.00%	
68) 1,2-Dichlorobenzene-d4	11.85	152	11634	1.03	ug/l	0.00
Spiked Amount	1.000		Recovery	=	103.00%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	24103	2.092 ug/l	99
3) Chloromethane	1.33	50	25310	1.991 ug/l	97
4) Vinyl Chloride	1.40	62	27627	1.947 ug/l	100
5) Bromomethane	1.62	94	19245	2.155 ug/l	99
6) Chloroethane	1.69	64	17870	1.793 ug/l	98
7) Trichlorofluoromethane	1.88	101	38401	1.971 ug/l	95
8) 1,1,2-Trichloro-1,2,2-trif	2.27	101	19943	1.984 ug/l	98
9) 1,1-Dichloroethene	2.27	96	20403	2.061 ug/l	99
10) Iodomethane	2.40	142	19869	1.494 ug/l	98
11) Allyl Chloride	2.58	41	32899	2.014 ug/l	99
12) Acrylonitrile	2.92	53	10351	3.747 ug/l	100
13) Acetone	2.31	43	21674	9.195 ug/l	100
14) Carbon Disulfide	2.46	76	75525	2.008 ug/l	100
15) Methylene Chloride	2.68	84	25020	1.874 ug/l	93
16) trans-1,2-Dichloroethene	2.96	96	23500	1.999 ug/l	99
17) 1,1-Dichloroethane	3.42	63	31963	2.026 ug/l	98
18) 2-Butanone	4.26	43	18719	8.320 ug/l	99
19) Cyclohexane	4.97	56	18809	1.625 ug/l	90
20) Methylcyclohexane	6.40	83	21113	1.812 ug/l	95
21) 2,2-Dichloropropane	4.20	77	27326	2.044 ug/l	99
22) cis-1,2-Dichloroethene	4.20	96	17486	1.963 ug/l	94
23) Diethyl Ether	2.09	59	16050	1.881 ug/l	98
24) tert-Butyl Alcohol	2.82	59	20631	15.117 ug/l	99
25) Methyl tert-Butyl Ether	2.99	73	54051	1.897 ug/l	100
26) Bromochloromethane	4.52	128	8382	2.140 ug/l	92
27) Chloroform	4.65	83	34946	1.938 ug/l	90
28) 1,1,1-Trichloroethane	4.89	97	28847	2.067 ug/l	99
29) 1,1-Dichloropropene	5.11	75	21895	1.902 ug/l	99
30) Carbon Tetrachloride	5.11	117	24790	2.018 ug/l	96
31) Isopropyl Ether	3.56	45	37696	1.891 ug/l	95
32) Ethyl-t-butyl ether	4.05	59	34787	1.815 ug/l	100
33) Tert-Amyl methyl ether	5.56	73	30930	1.794 ug/l	99
34) Propionitrile	4.32	54	5666	8.779 ug/l #	93
35) Benzene	5.37	78	66262	1.992 ug/l	99
36) 1,2-Dichloroethane	5.39	62	21932	1.981 ug/l	99
37) Trichloroethene	6.17	130	17303	1.971 ug/l	94
38) 1,2-Dichloropropane	6.41	63	17264	1.881 ug/l	99
39) Methacrylonitrile	4.52	41	4710	1.838 ug/l #	85
40) Methyl acrylate	4.41	55	7008	1.758 ug/l #	70
41) Tetrahydrofuran	4.64	42	4214	3.280 ug/l	98
42) 1-Chlorobutane	5.04	56	29628	1.919 ug/l	98

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Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Tue Jul 23 03:43:51 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.54	93	9743	1.918	ug/l	100
44) Bromodichloromethane	6.74	83	23289	1.901	ug/l	99
45) 4-Methyl-2-Pentanone	7.45	43	42585	8.218	ug/l	98
46) t-1,4-Dichloro-2-butene	10.48	75	11391	5.447	ug/l #	75
47) Methyl methacrylate	6.61	69	13858	3.579	ug/l	97
48) Ethyl methacrylate	8.01	69	11246	1.648	ug/l	96
49) Toluene	7.62	92	36728	1.928	ug/l	100
50) t-1,3-Dichloropropene	7.86	75	19384	1.897	ug/l	96
51) cis-1,3-Dichloropropene	7.25	75	23163	1.920	ug/l	99
52) 1,1,2-Trichloroethane	8.05	97	13884	2.045	ug/l	98
53) 1,3-Dichloropropane	8.23	76	21289	1.855	ug/l	99
54) 2-Hexanone	8.35	43	30088	8.249	ug/l	97
55) Dibromochloromethane	8.46	129	14972	1.888	ug/l	95
56) 1,2-Dibromoethane	8.57	107	11983	1.893	ug/l	96
58) Tetrachloroethene	8.21	164	14661	1.842	ug/l	96
59) Chlorobenzene	9.10	112	42548	1.948	ug/l	97
60) 1,1,1,2-Tetrachloroethane	9.19	131	16184	1.951	ug/l	98
61) Pentachloroethane	11.09	117	13143	1.930	ug/l	97
62) Hexachloroethane	12.13	117	12723	1.931	ug/l	99
63) Ethyl Benzene	9.23	91	65007	1.853	ug/l	100
64) m/p-Xylenes	9.36	106	49984	3.564	ug/l	99
65) o-Xylene	9.76	106	25055	1.864	ug/l	97
66) Styrene	9.78	104	41699	1.829	ug/l	97
67) Bromoform	9.94	173	8285	1.930	ug/l #	96
69) Isopropylbenzene	10.15	105	62859	1.824	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.44	83	16755	1.862	ug/l	98
71) 1,2,3-Trichloropropane	10.48	75	11391	1.640	ug/l #	92
72) Bromobenzene	10.44	156	17284	1.899	ug/l	98
73) n-propylbenzene	10.57	120	17917	1.824	ug/l	95
74) 2-Chlorotoluene	10.64	126	17157	1.913	ug/l	96
75) 1,3,5-Trimethylbenzene	10.76	105	57479	1.858	ug/l	99
76) 4-Chlorotoluene	10.76	126	17346	1.856	ug/l	96
77) tert-Butylbenzene	11.08	119	54761	1.868	ug/l	98
78) 1,2,4-Trimethylbenzene	11.13	105	57250	1.810	ug/l	100
79) sec-Butylbenzene	11.31	105	74574	1.848	ug/l	100
80) Nitrobenzene	12.87	77	1346	3.598	ug/l #	80
81) p-Isopropyltoluene	11.46	119	60076	1.831	ug/l	98
82) 1,3-Dichlorobenzene	11.40	146	36717	1.898	ug/l	99
83) 1,4-Dichlorobenzene	11.49	146	36175	1.890	ug/l	98
84) n-Butylbenzene	11.87	91	59005	1.757	ug/l	96
85) 1,2-Dichlorobenzene	11.86	146	34497	1.902	ug/l	99
86) 1,2-Dibromo-3-Chloropropan	12.65	75	2302	1.626	ug/l	96
87) 1,2,4-Trichlorobenzene	13.49	180	18093	1.676	ug/l	95
88) Hexachlorobutadiene	13.68	225	12413	1.865	ug/l	98
89) Naphthalene	13.73	128	27769	1.717	ug/l	99
90) 1,2,3-Trichlorobenzene	13.98	180	17090	1.631	ug/l	97

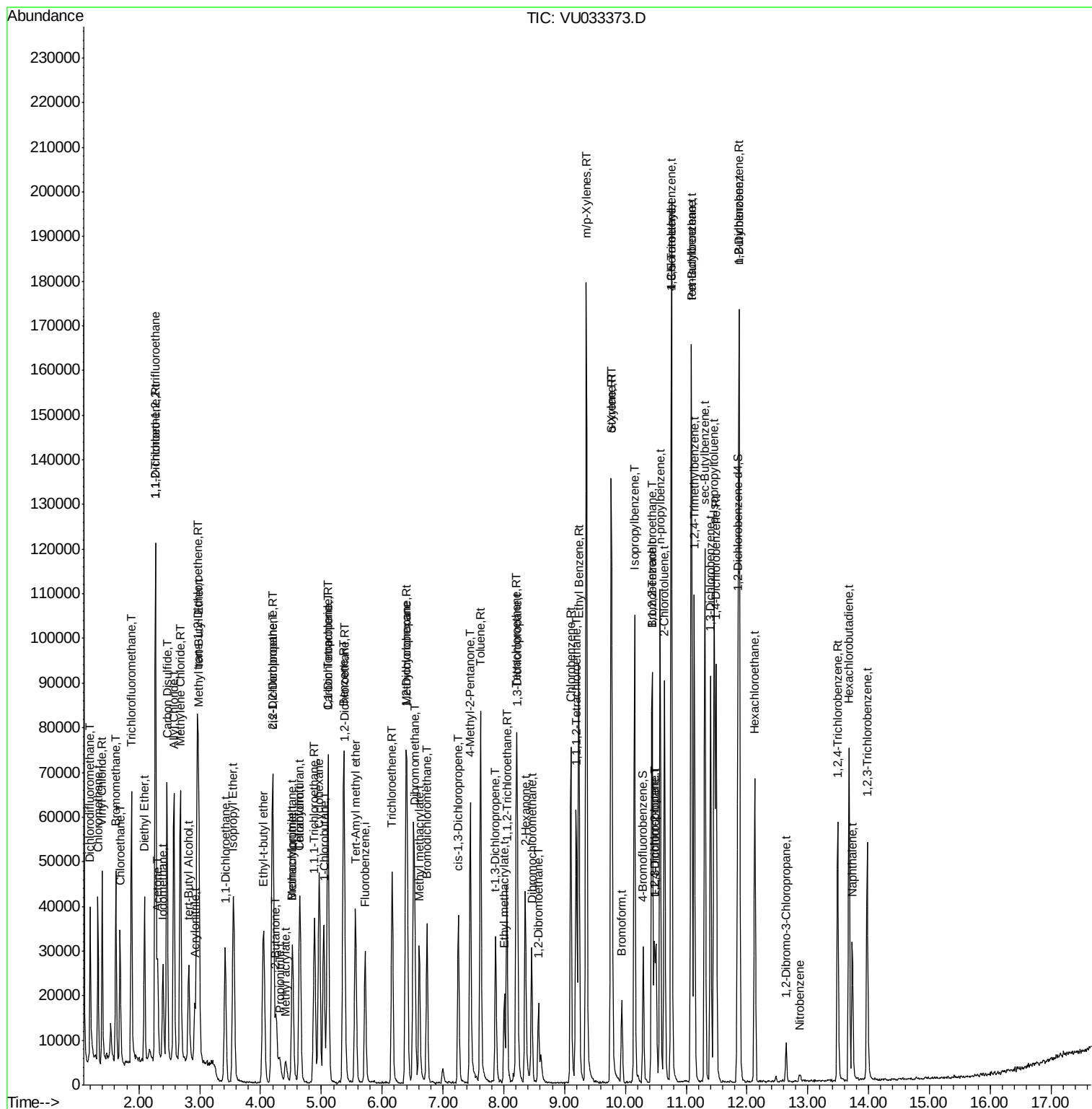
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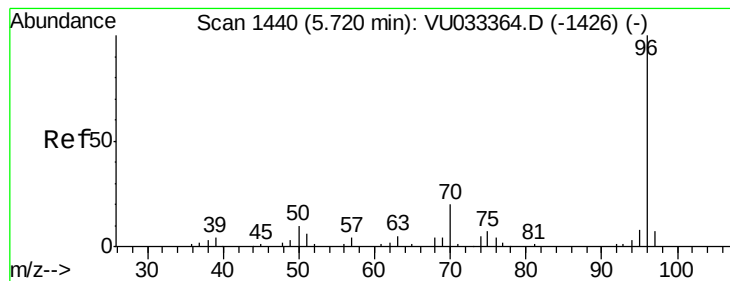
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#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.72 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VU033373.D

Acq: 23 Jul 2019 11:27

Instrument :

MSVOA_U

ClientSampleId :

VU0723WBS01

Tgt Ion: 96 Resp: 27854

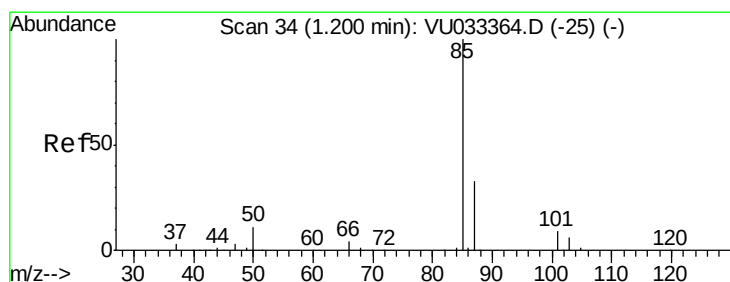
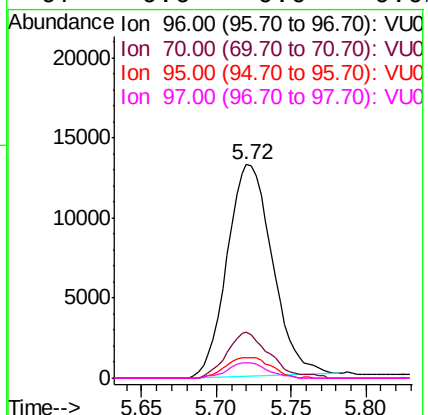
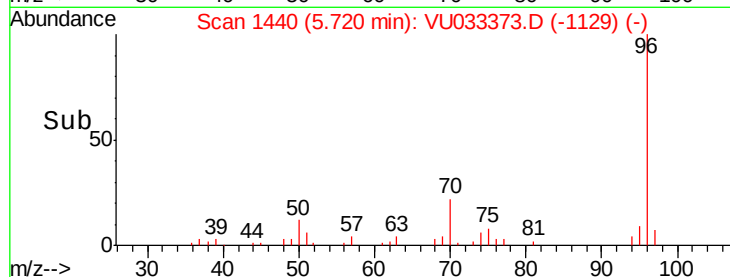
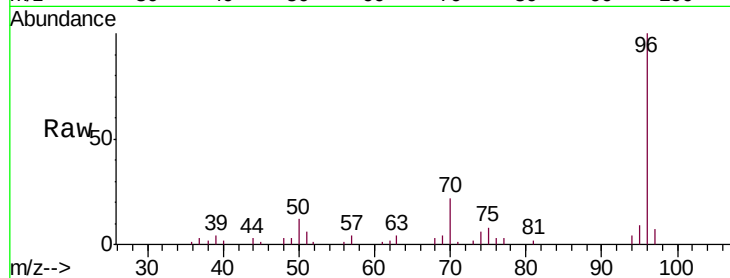
Ion Ratio Lower Upper

96 100

70 20.8 16.4 24.6

95 9.8 6.7 10.1

97 6.6 0.0 0.0#



#2

Dichlorodifluoromethane

Concen: 2.092 ug/l

RT: 1.20 min Scan# 34

Delta R.T. -0.00 min

Lab File: VU033373.D

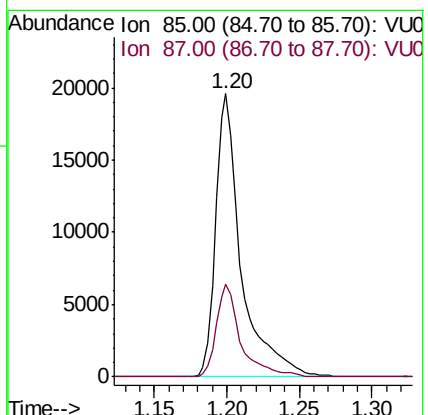
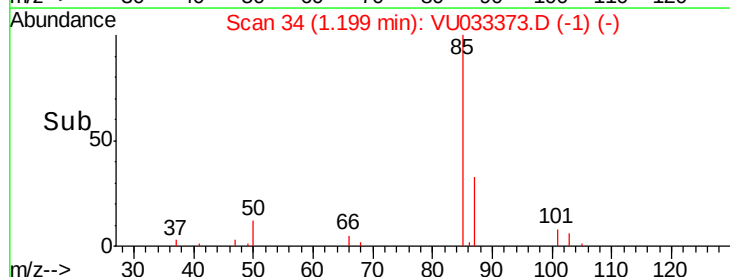
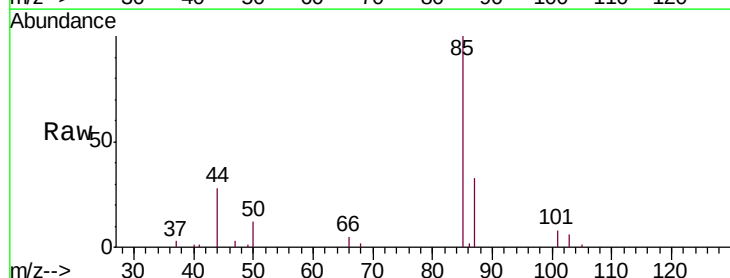
Acq: 23 Jul 2019 11:27

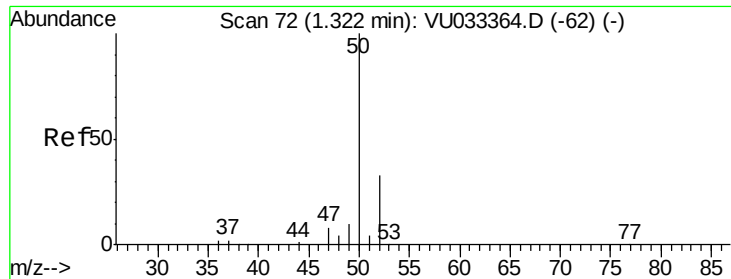
Tgt Ion: 85 Resp: 24103

Ion Ratio Lower Upper

85 100

87 32.6 16.6 49.7





#3

Chloromethane

Concen: 1.991 ug/l

RT: 1.33 min Scan# 74

Delta R.T. 0.01 min

Lab File: VU033373.D

Acq: 23 Jul 2019 11:27

Instrument :

MSVOA_U

ClientSampleId :

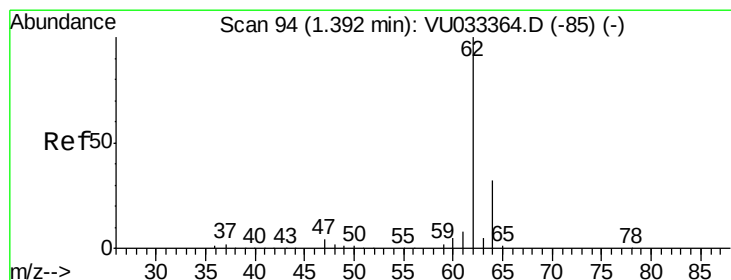
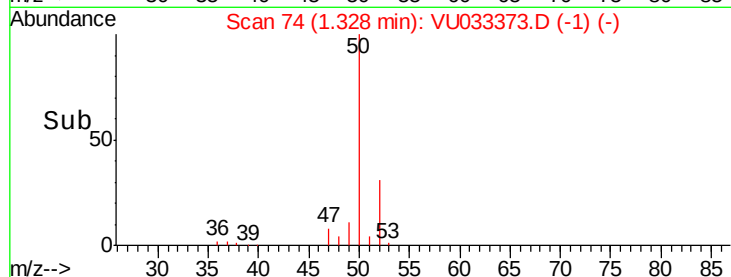
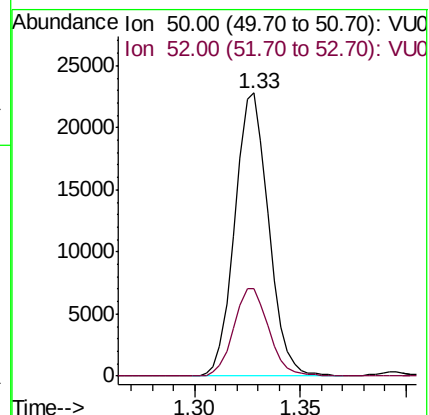
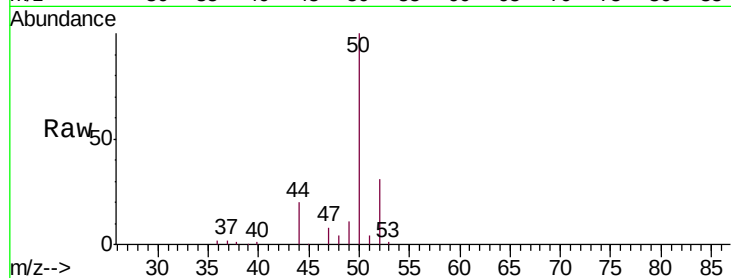
VU0723WBS01

Tgt Ion: 50 Resp: 25310

Ion Ratio Lower Upper

50 100

52 31.1 26.1 39.1



#4

Vinyl Chloride

Concen: 1.947 ug/l

RT: 1.40 min Scan# 95

Delta R.T. 0.00 min

Lab File: VU033373.D

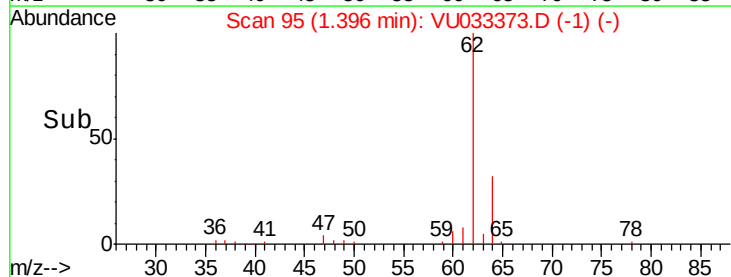
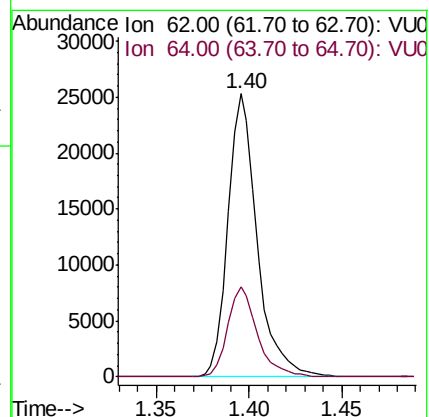
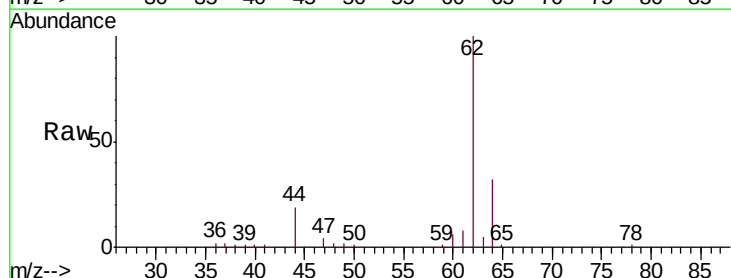
Acq: 23 Jul 2019 11:27

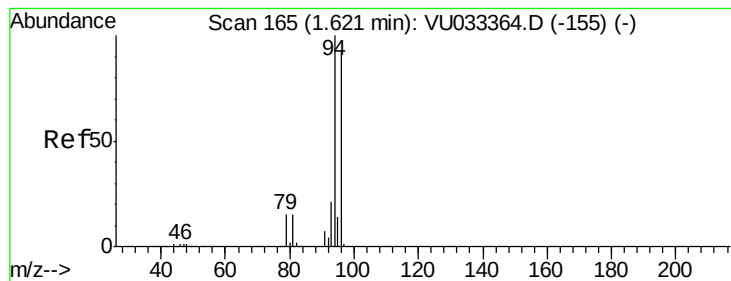
Tgt Ion: 62 Resp: 27627

Ion Ratio Lower Upper

62 100

64 31.8 25.6 38.4





#5

Bromomethane

Concen: 2.155 ug/l

RT: 1.62 min Scan# 165

Delta R.T. -0.00 min

Lab File: VU033373.D

Acq: 23 Jul 2019 11:27

Instrument :

MSVOA_U

ClientSampleId :

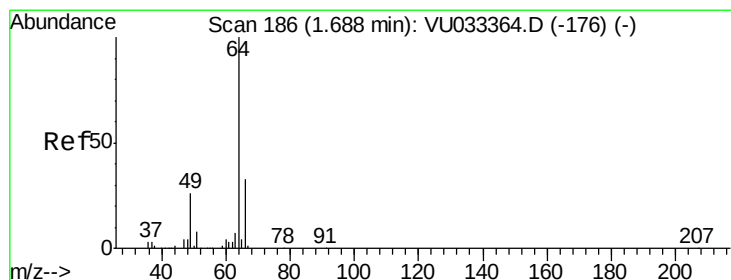
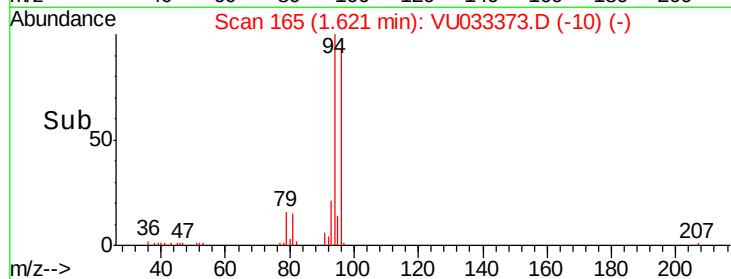
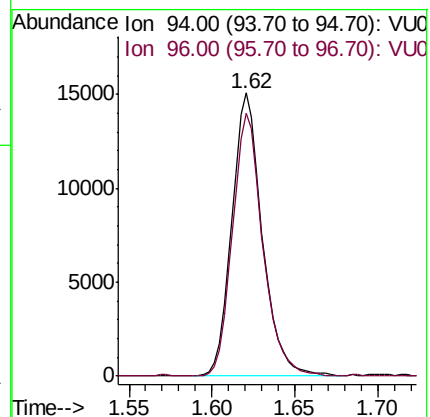
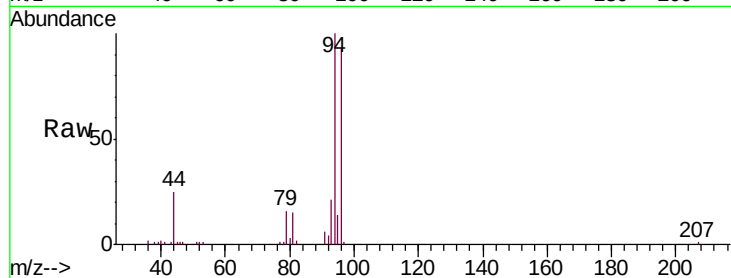
VU0723WBS01

Tgt Ion: 94 Resp: 19245

Ion Ratio Lower Upper

94 100

96 92.7 73.2 109.8



#6

Chloroethane

Concen: 1.793 ug/l

RT: 1.69 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU033373.D

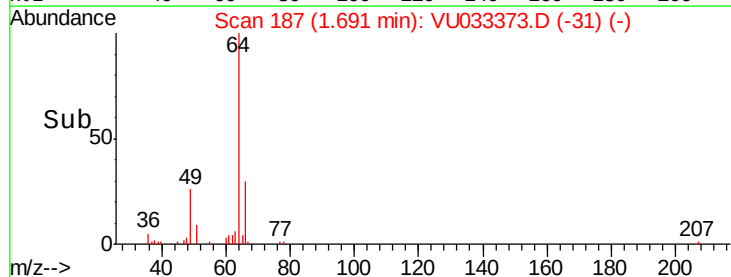
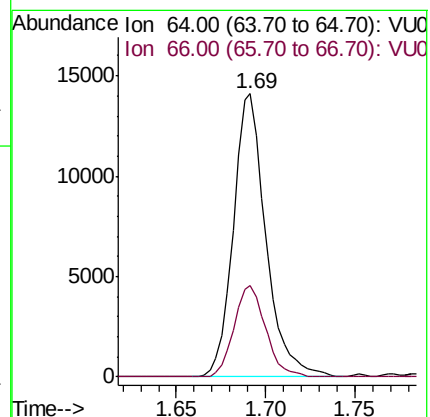
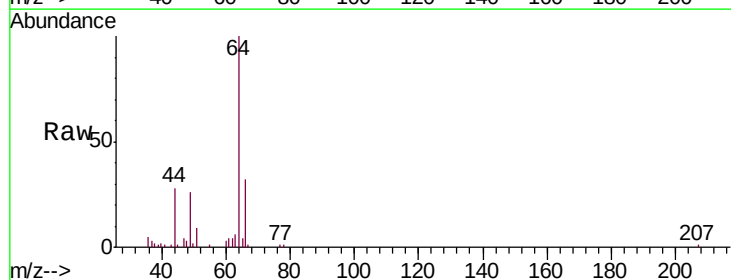
Acq: 23 Jul 2019 11:27

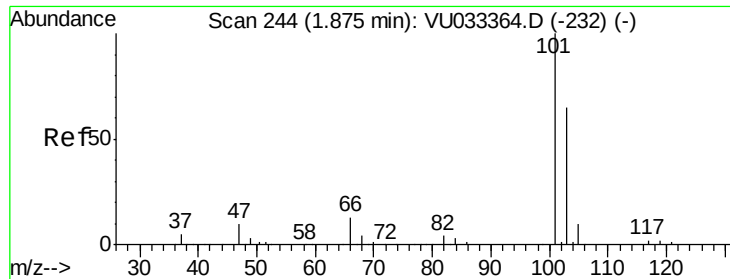
Tgt Ion: 64 Resp: 17870

Ion Ratio Lower Upper

64 100

66 32.1 26.4 39.6



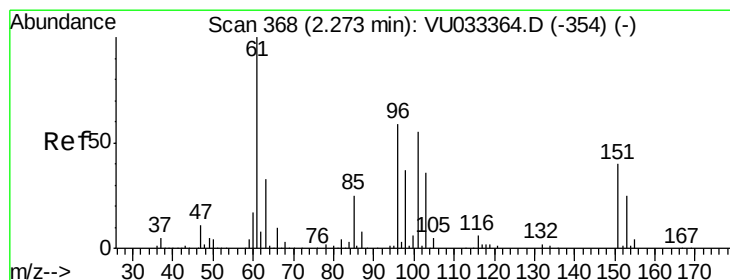
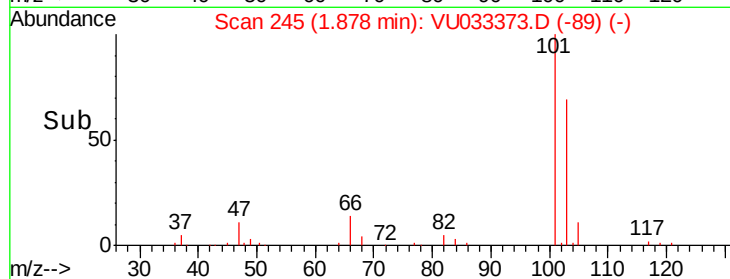
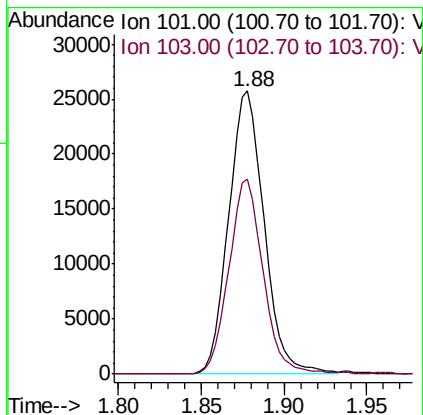
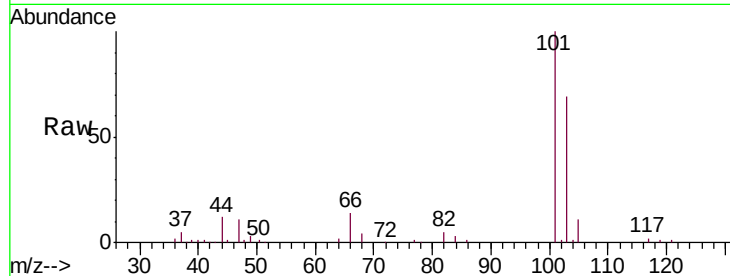


#7

Trichlorofluoromethane
 Concen: 1.971 ug/l
 RT: 1.88 min Scan# 245
 Delta R.T. 0.00 min
 Lab File: VU033373.D
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Instrument :
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 VU0723WBS01

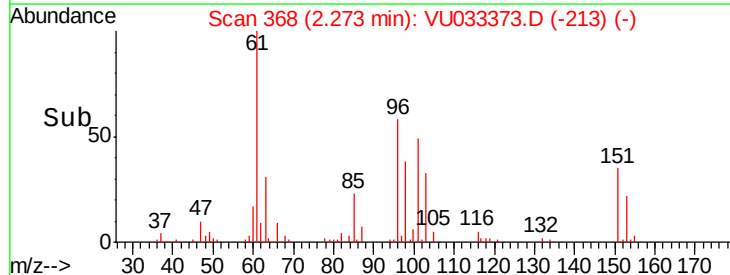
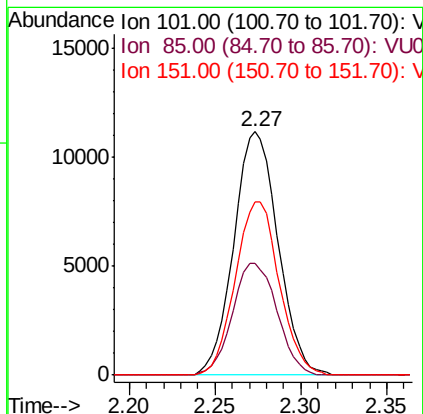
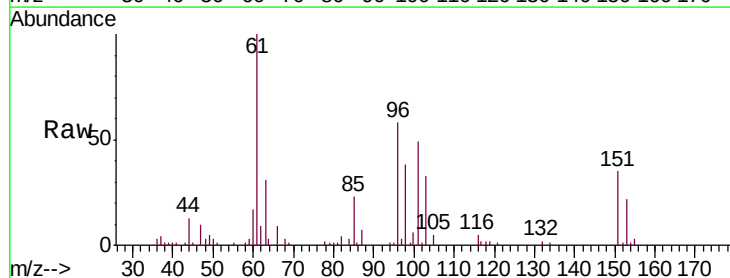
Tgt Ion:101 Resp: 38401
 Ion Ratio Lower Upper
 101 100
 103 68.8 52.2 78.2

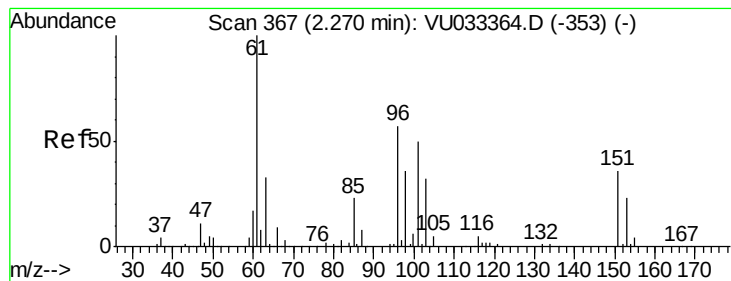


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 1.984 ug/l
 RT: 2.27 min Scan# 368
 Delta R.T. -0.00 min
 Lab File: VU033373.D
 Acq: 23 Jul 2019 11:27

Tgt Ion:101 Resp: 19943
 Ion Ratio Lower Upper
 101 100
 85 46.2 37.5 56.3
 151 70.8 58.3 87.5





#9

1,1-Dichloroethene

Concen: 2.061 ug/l

RT: 2.27 min Scan# 367

Delta R.T. -0.00 min

Lab File: VU033373.D

Acq: 23 Jul 2019 11:27

Instrument :

MSVOA_U

ClientSampleId :

VU0723WBS01

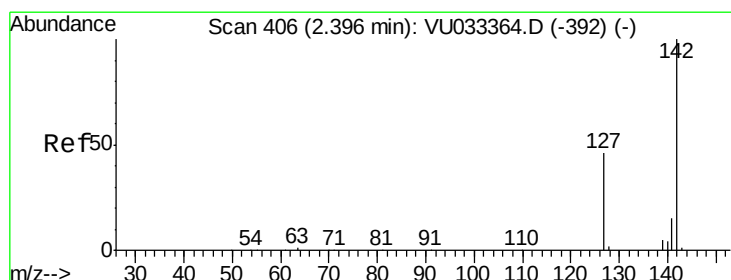
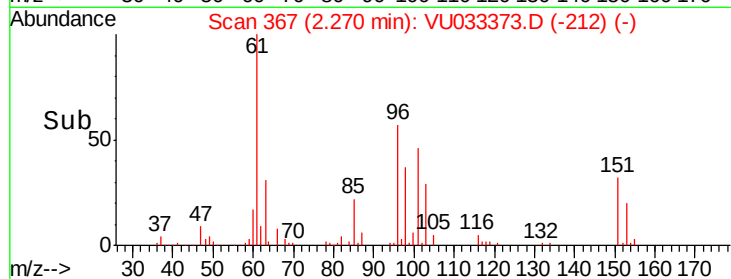
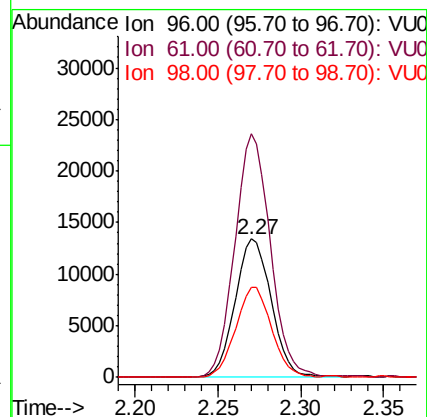
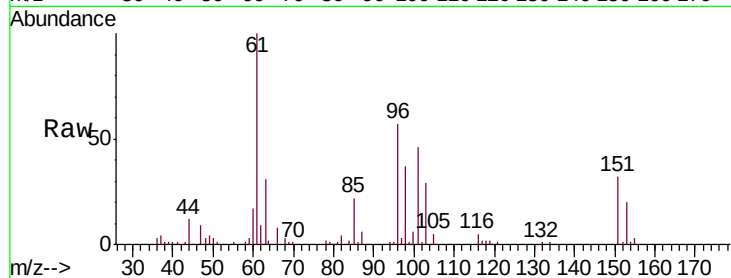
Tgt Ion: 96 Resp: 20403

Ion Ratio Lower Upper

96 100

61 176.0 0.0 525.6

98 64.8 0.0 126.4



#10

Iodomethane

Concen: 1.494 ug/l

RT: 2.40 min Scan# 406

Delta R.T. -0.00 min

Lab File: VU033373.D

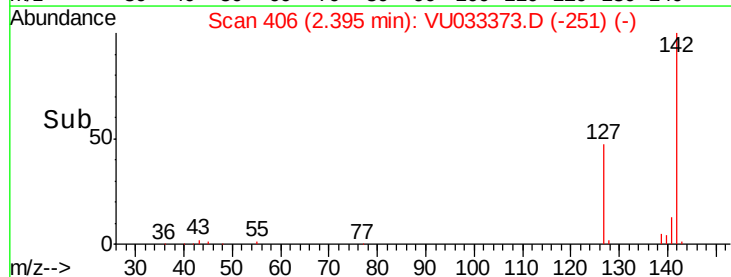
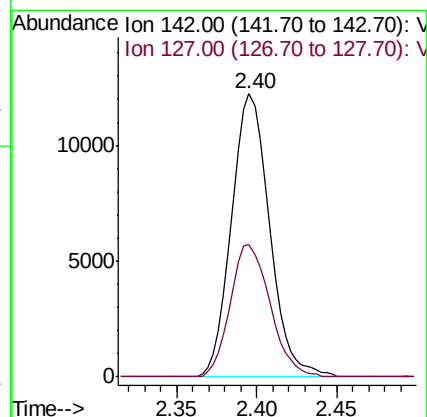
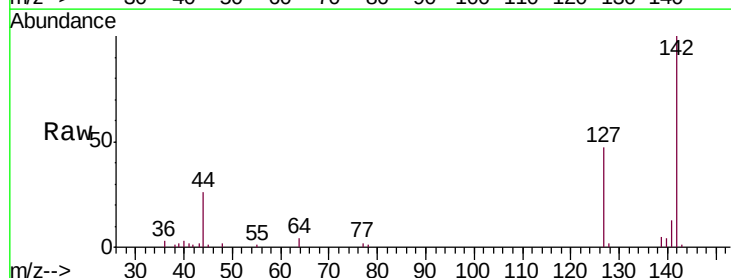
Acq: 23 Jul 2019 11:27

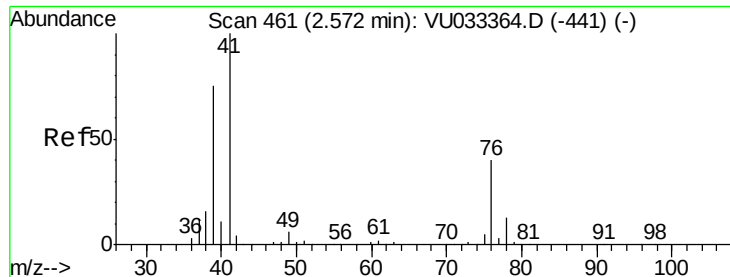
Tgt Ion: 142 Resp: 19869

Ion Ratio Lower Upper

142 100

127 48.9 37.8 56.6

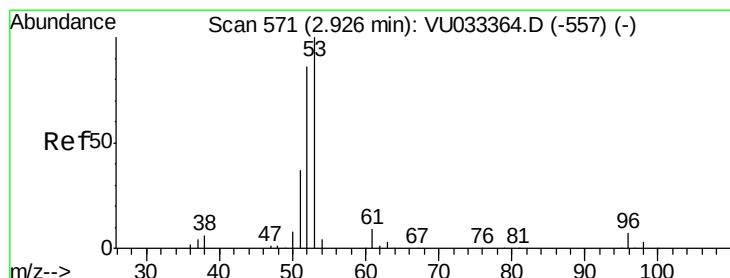
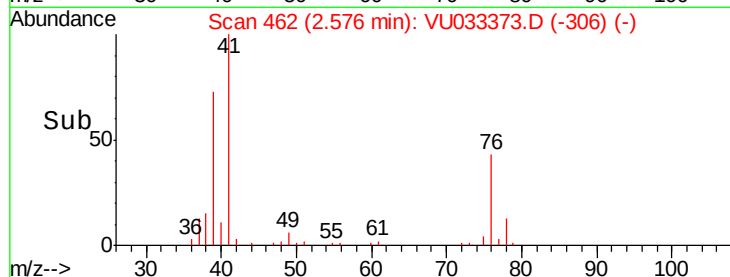
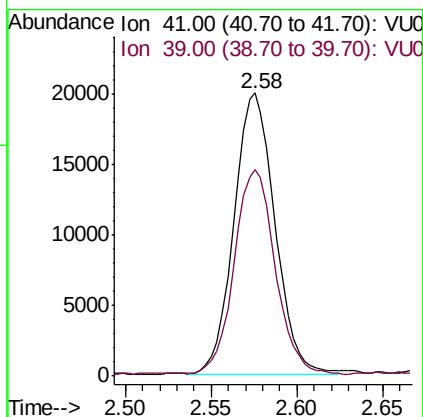
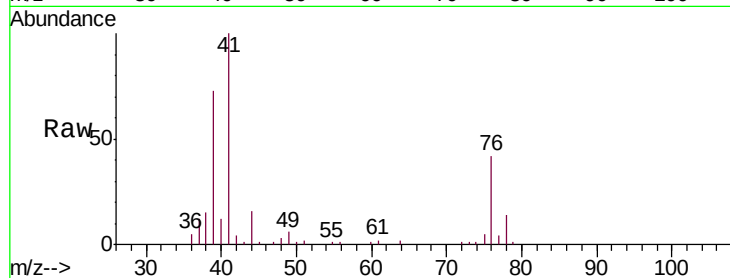




#11
 Allyl Chloride
 Concen: 2.014 ug/l
 RT: 2.58 min Scan# 462
 Delta R.T. 0.00 min
 Lab File: VU033373.D
 Acq: 23 Jul 2019 11:27

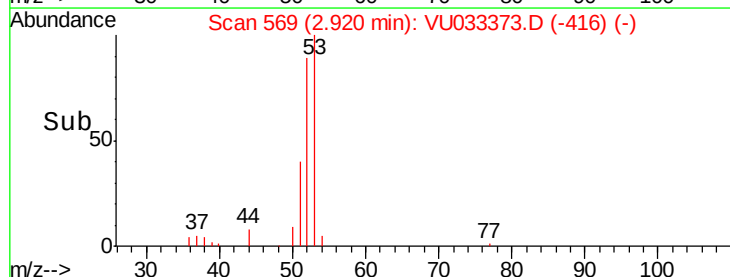
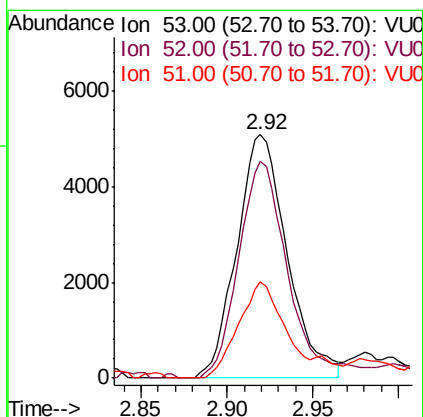
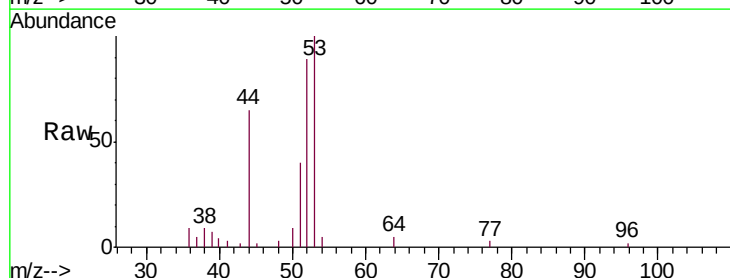
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0723WBS01

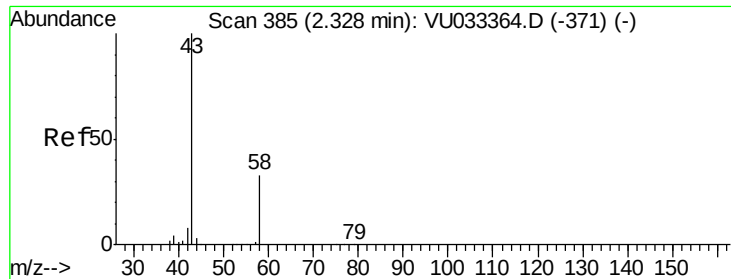
Tgt Ion: 41 Resp: 32899
 Ion Ratio Lower Upper
 41 100
 39 72.5 58.7 88.1



#12
 Acrylonitrile
 Concen: 3.747 ug/l
 RT: 2.92 min Scan# 569
 Delta R.T. -0.01 min
 Lab File: VU033373.D
 Acq: 23 Jul 2019 11:27

Tgt Ion: 53 Resp: 10351
 Ion Ratio Lower Upper
 53 100
 52 87.4 69.8 104.8
 51 35.9 29.1 43.7





#13

Acetone

Concen: 9.195 ug/l

RT: 2.31 min Scan# 379

Delta R.T. -0.02 min

Lab File: VU033373.D

Acq: 23 Jul 2019 11:27

Instrument :

MSVOA_U

ClientSampleId :

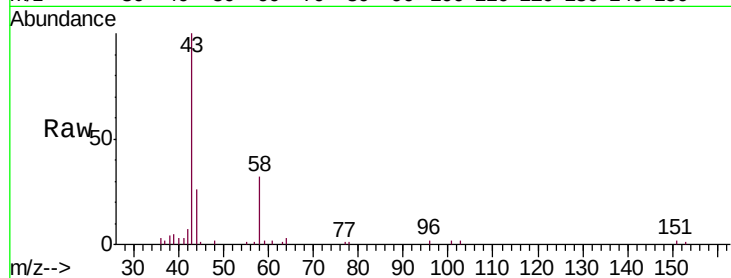
VU0723WBS01

Tgt Ion: 43 Resp: 21674

Ion Ratio Lower Upper

43 100

58 32.6 26.3 39.5



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

15000

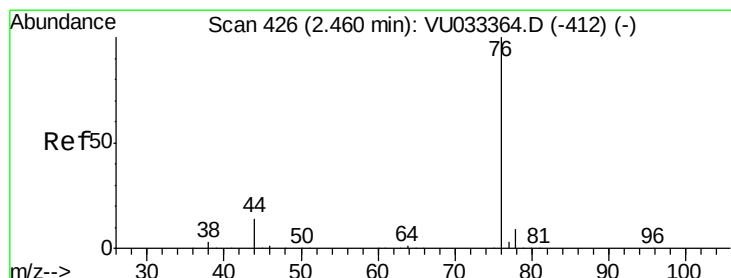
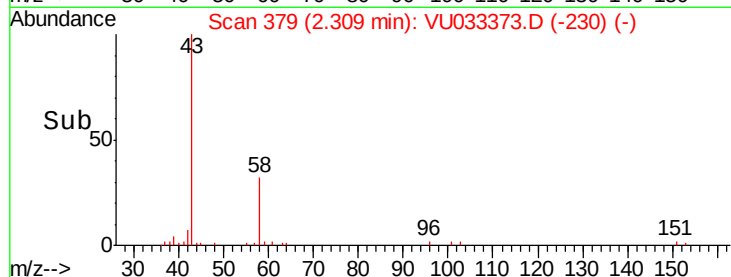
10000

5000

0

2.25 2.30 2.35

Time-->



#14

Carbon Disulfide

Concen: 2.008 ug/l

RT: 2.46 min Scan# 427

Delta R.T. 0.00 min

Lab File: VU033373.D

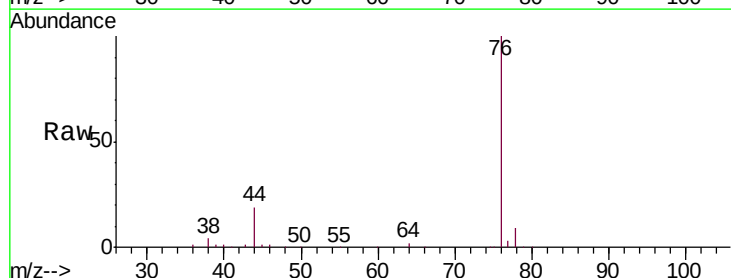
Acq: 23 Jul 2019 11:27

Tgt Ion: 76 Resp: 75525

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

50000

40000

30000

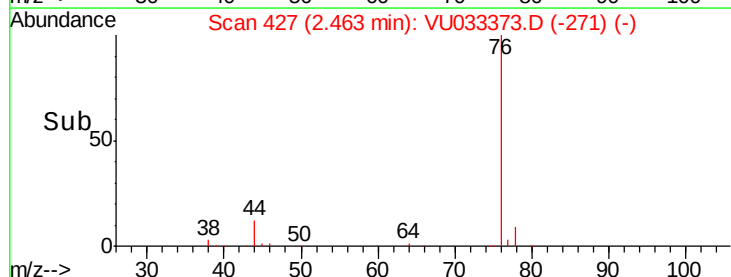
20000

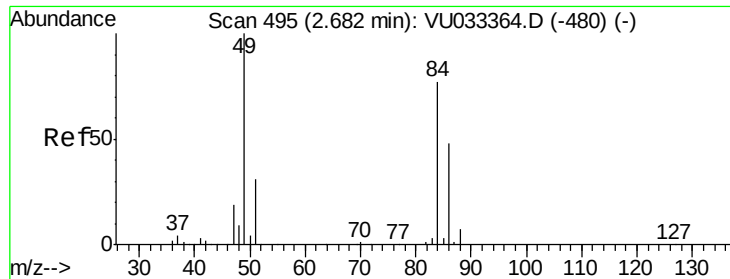
10000

0

2.40 2.45 2.50 2.55

Time-->

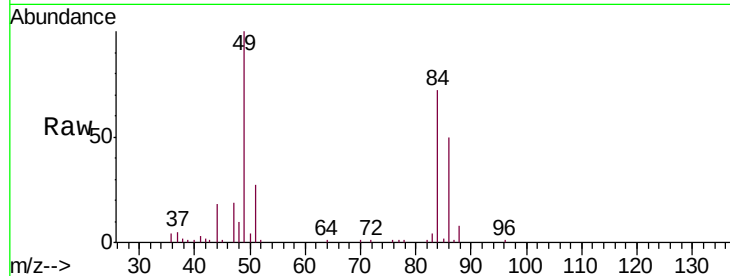




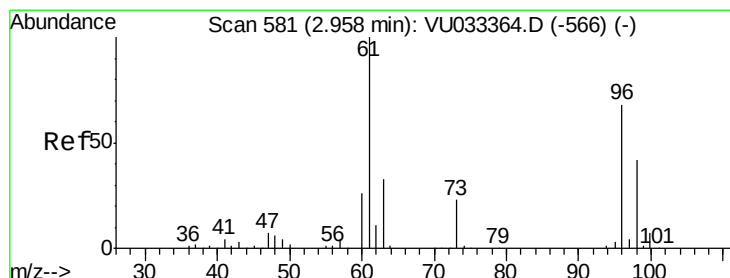
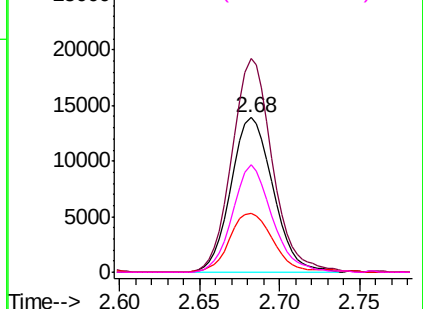
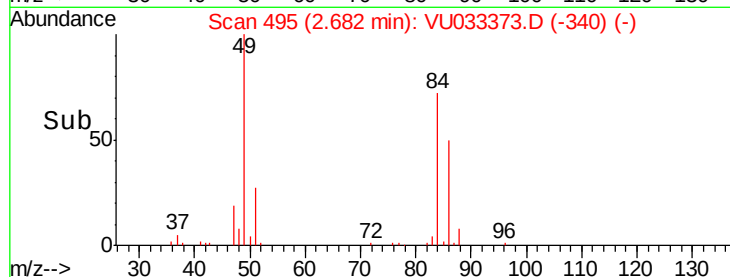
#15
Methylene Chloride
Concen: 1.874 ug/l
RT: 2.68 min Scan# 495
Delta R.T. -0.00 min
Lab File: VU033373.D
Acq: 23 Jul 2019 11:27

Instrument :
MSVOA_U
ClientSampleId :
VU0723WBS01

Tgt Ion: 84 Resp: 25020
Ion Ratio Lower Upper
84 100
49 138.1 103.5 155.3
51 37.8 0.0 80.4
86 69.2 50.1 75.1

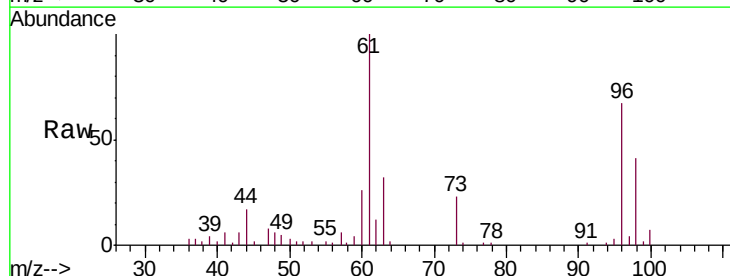


Abundance Ion 84.00 (83.70 to 84.70): VU0
Ion 49.00 (48.70 to 49.70): VU0
Ion 51.00 (50.70 to 51.70): VU0
Ion 86.00 (85.70 to 86.70): VU0

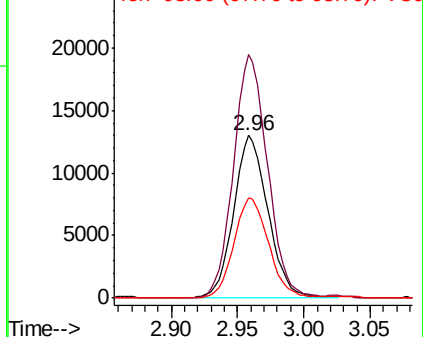
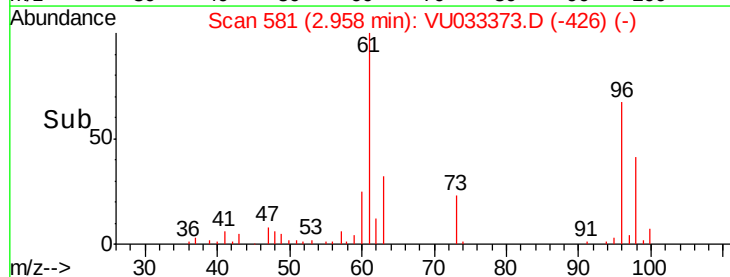


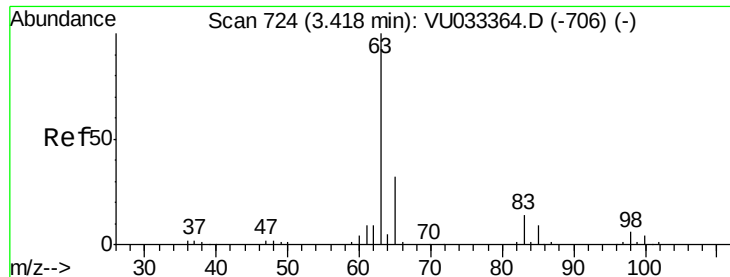
#16
trans-1,2-Dichloroethene
Concen: 1.999 ug/l
RT: 2.96 min Scan# 581
Delta R.T. -0.00 min
Lab File: VU033373.D
Acq: 23 Jul 2019 11:27

Tgt Ion: 96 Resp: 23500
Ion Ratio Lower Upper
96 100
61 149.7 118.0 177.0
98 62.0 49.4 74.2



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

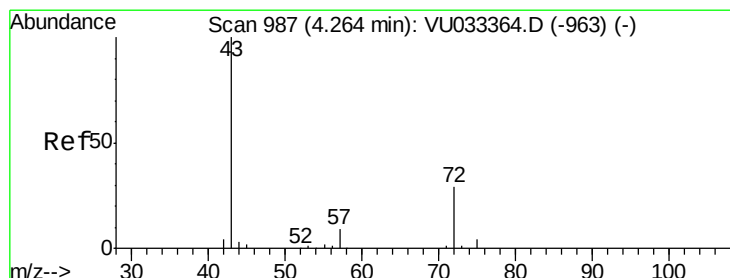
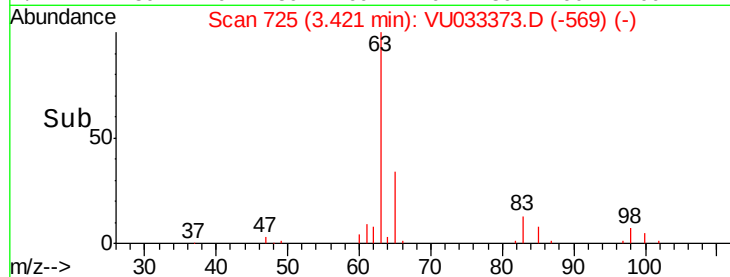
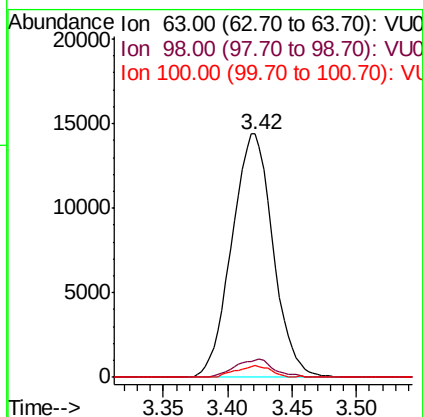
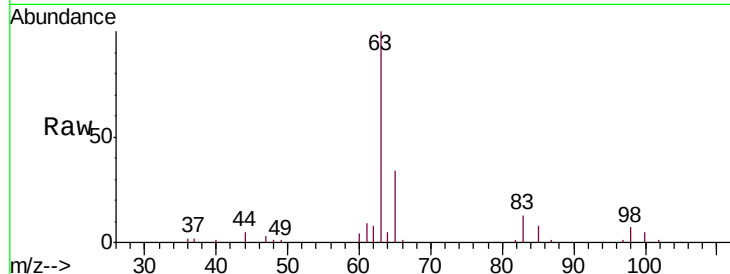




#17
 1,1-Dichloroethane
 Concen: 2.026 ug/l
 RT: 3.42 min Scan# 725
 Delta R.T. 0.00 min
 Lab File: VU033373.D
 Acq: 23 Jul 2019 11:27

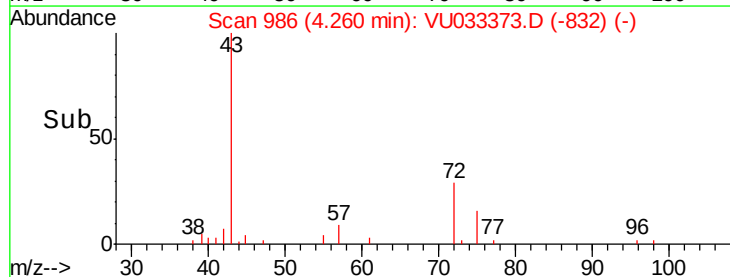
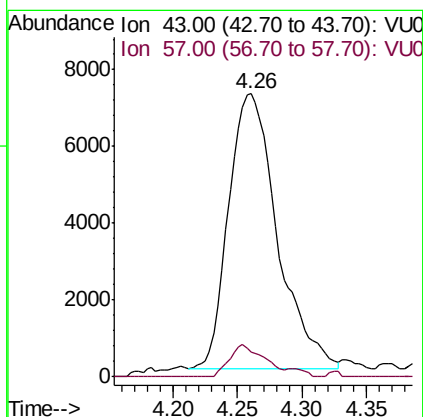
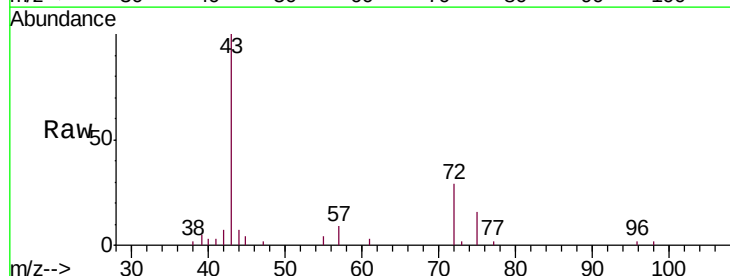
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0723WBS01

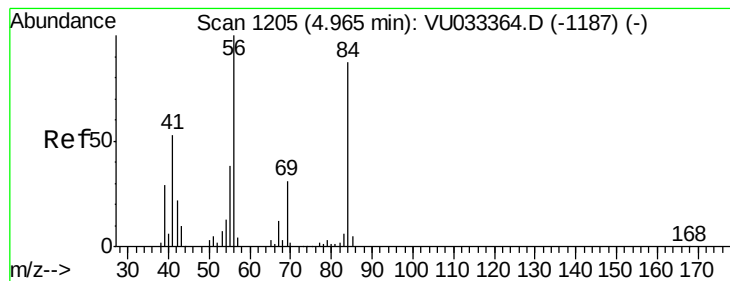
Tgt Ion:	63	Resp:	31963
Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.2	9.6
100	4.6	2.1	6.2



#18
 2-Butanone
 Concen: 8.320 ug/l
 RT: 4.26 min Scan# 986
 Delta R.T. -0.00 min
 Lab File: VU033373.D
 Acq: 23 Jul 2019 11:27

Tgt Ion:	43	Resp:	18719
Ion	Ratio	Lower	Upper
43	100		
57	9.0	0.0	17.0





#19

Cyclohexane

Concen: 1.625 ug/l

RT: 4.97 min Scan# 1206

Delta R.T. 0.00 min

Lab File: VU033373.D

Acq: 23 Jul 2019 11:27

Instrument :

MSVOA_U

ClientSampleId :

VU0723WBS01

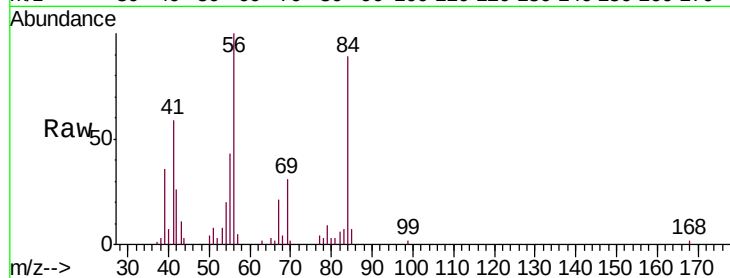
Tgt Ion: 56 Resp: 18809

Ion Ratio Lower Upper

56 100

69 33.7 25.0 37.4

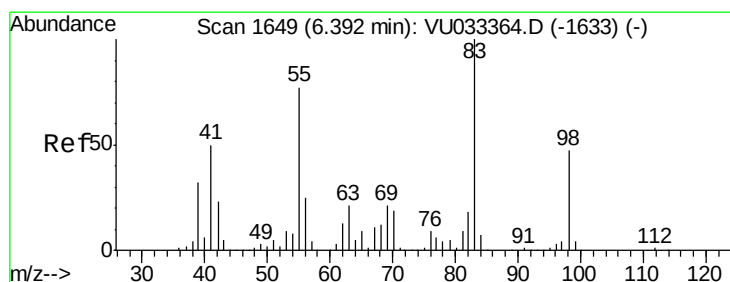
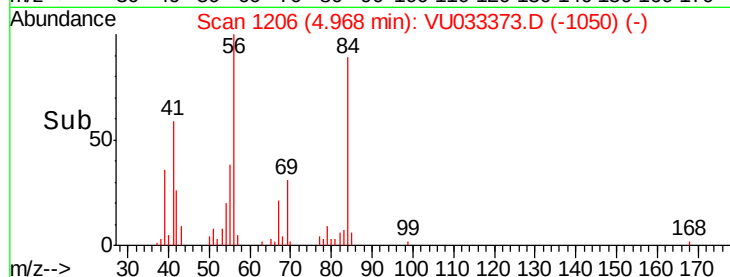
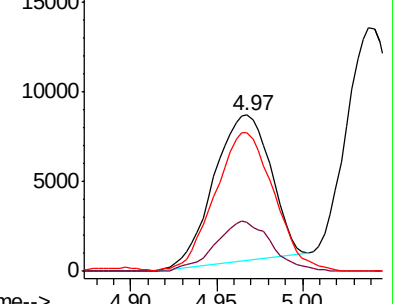
84 98.4 69.8 104.6



Abundance Ion 56.00 (55.70 to 56.70): VU033364.D (-1187) (-)

Ion 69.00 (68.70 to 69.70): VU033364.D (-1187) (-)

Ion 84.00 (83.70 to 84.70): VU033364.D (-1187) (-)



#20

Methylcyclohexane

Concen: 1.812 ug/l

RT: 6.40 min Scan# 1650

Delta R.T. 0.00 min

Lab File: VU033373.D

Acq: 23 Jul 2019 11:27

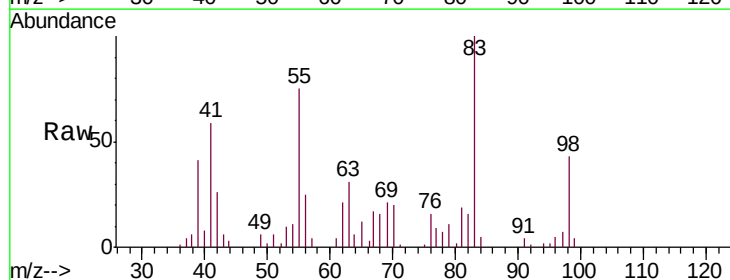
Tgt Ion: 83 Resp: 21113

Ion Ratio Lower Upper

83 100

55 84.2 62.3 93.5

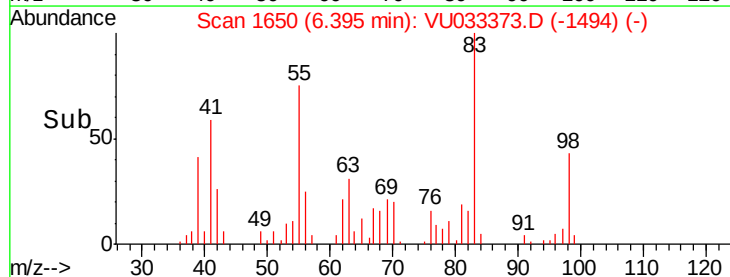
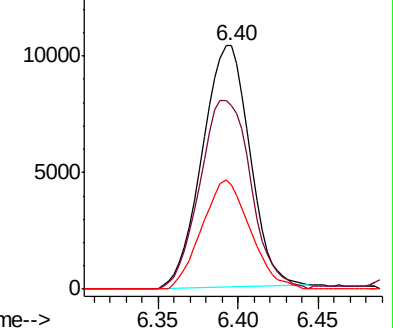
98 45.9 37.4 56.0

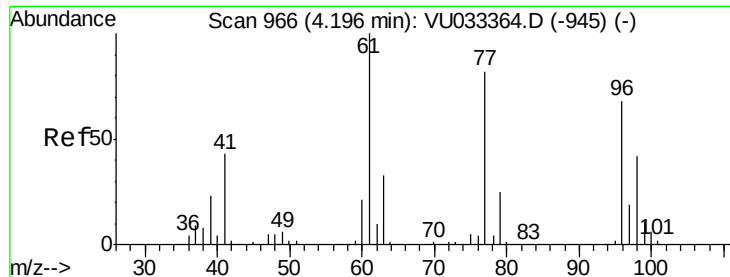


Abundance Ion 83.00 (82.70 to 83.70): VU033364.D (-1633) (-)

Ion 55.00 (54.70 to 55.70): VU033364.D (-1633) (-)

Ion 98.00 (97.70 to 98.70): VU033364.D (-1633) (-)

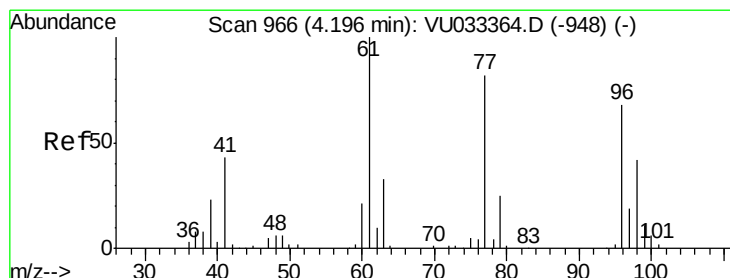
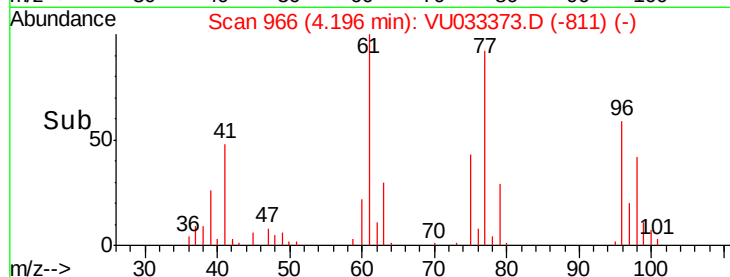
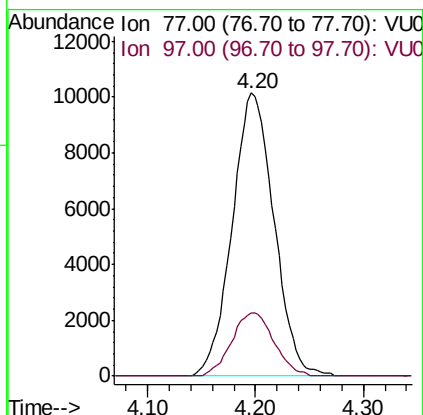
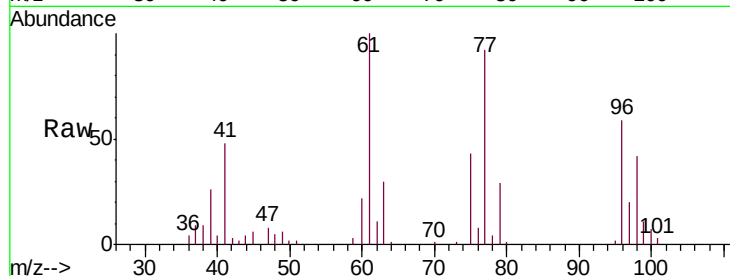




#21
 2,2-Dichloropropane
 Concen: 2.044 ug/l
 RT: 4.20 min Scan# 966
 Delta R.T. -0.00 min
 Lab File: VU033373.D
 Acq: 23 Jul 2019 11:27

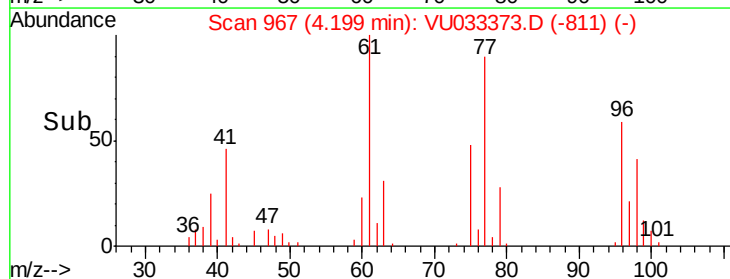
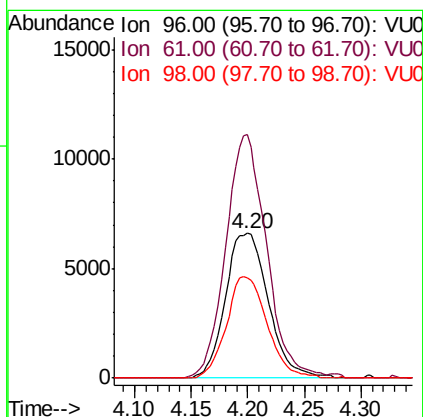
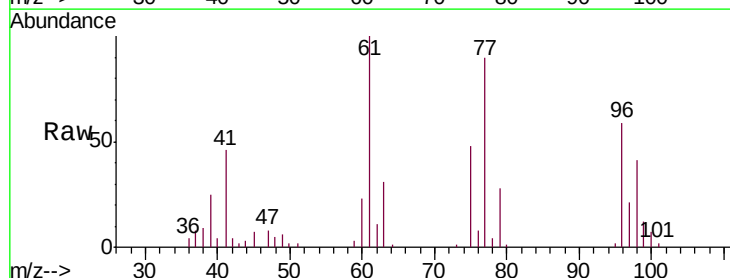
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0723WBS01

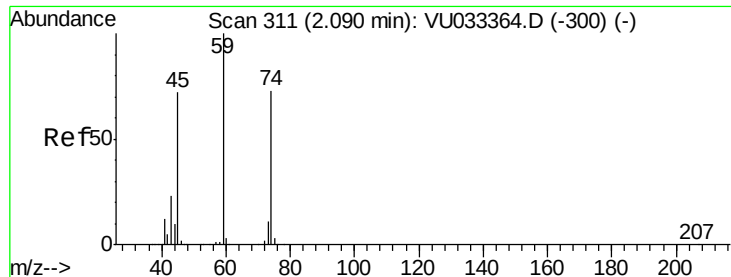
Tgt Ion: 77 Resp: 27326
 Ion Ratio Lower Upper
 77 100
 97 22.7 17.8 26.8



#22
 cis-1,2-Dichloroethene
 Concen: 1.963 ug/l
 RT: 4.20 min Scan# 967
 Delta R.T. 0.00 min
 Lab File: VU033373.D
 Acq: 23 Jul 2019 11:27

Tgt Ion: 96 Resp: 17486
 Ion Ratio Lower Upper
 96 100
 61 158.8 0.0 376.3
 98 66.3 31.9 95.9

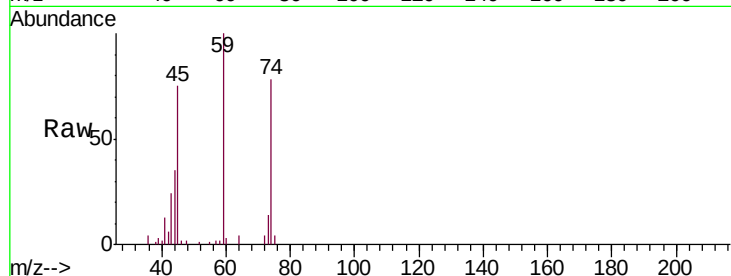




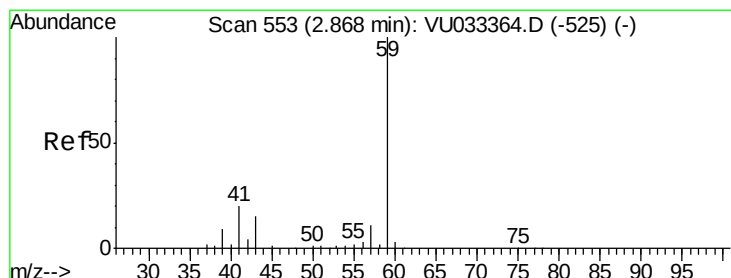
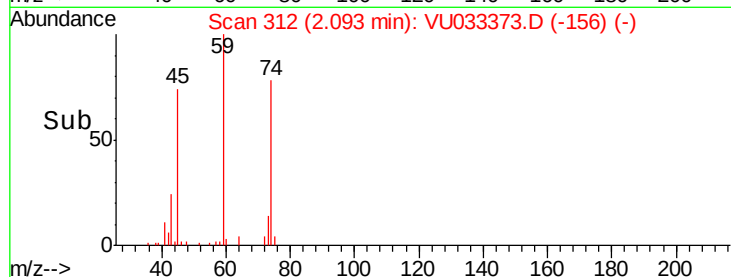
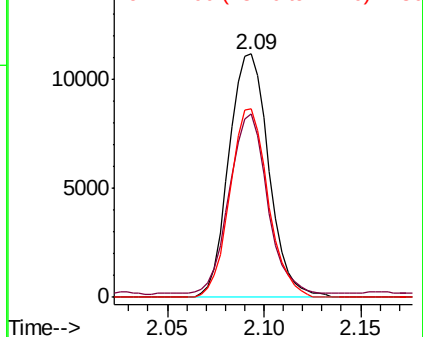
#23
Diethyl Ether
Concen: 1.881 ug/l
RT: 2.09 min Scan# 312
Delta R.T. 0.00 min
Lab File: VU033373.D
Acq: 23 Jul 2019 11:27

Instrument :
MSVOA_U
ClientSampleId :
VU0723WBS01

Tgt Ion: 59 Resp: 16050
Ion Ratio Lower Upper
59 100
45 70.0 57.6 86.4
74 73.6 57.8 86.6

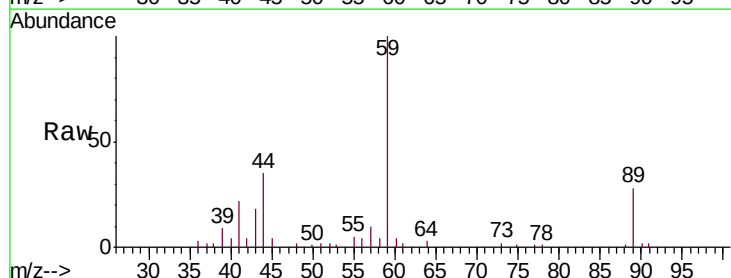


Abundance Ion 59.00 (58.70 to 59.70): VU0
Ion 45.00 (44.70 to 45.70): VU0
Ion 74.00 (73.70 to 74.70): VU0

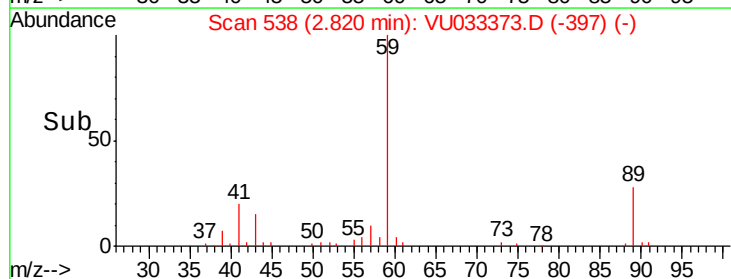
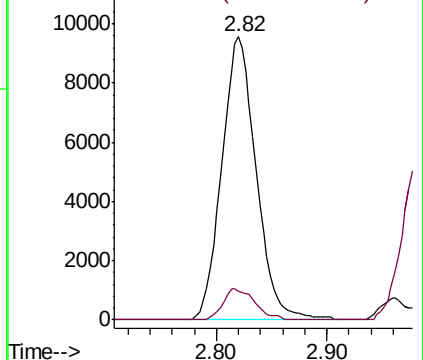


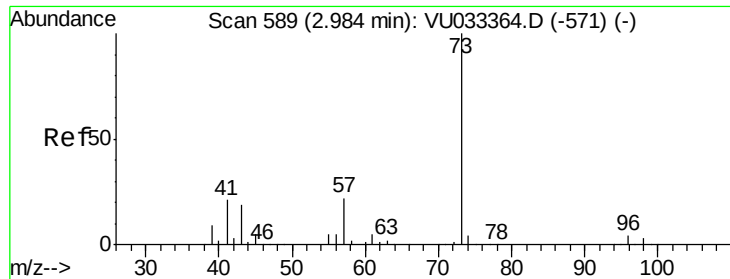
#24
tert-Butyl Alcohol
Concen: 15.117 ug/l
RT: 2.82 min Scan# 538
Delta R.T. -0.05 min
Lab File: VU033373.D
Acq: 23 Jul 2019 11:27

Tgt Ion: 59 Resp: 20631
Ion Ratio Lower Upper
59 100
57 10.2 7.8 11.8



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

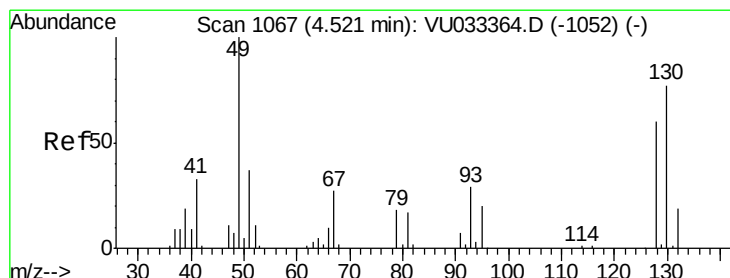
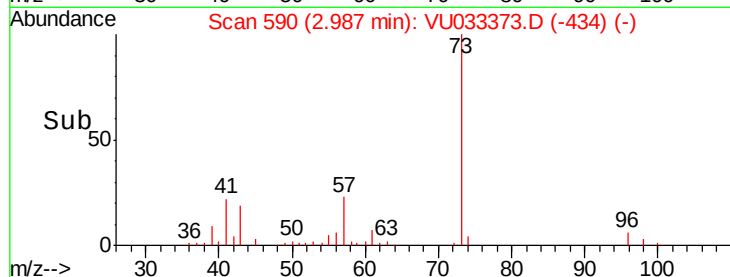
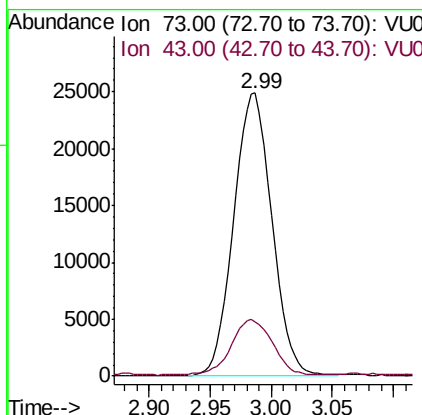
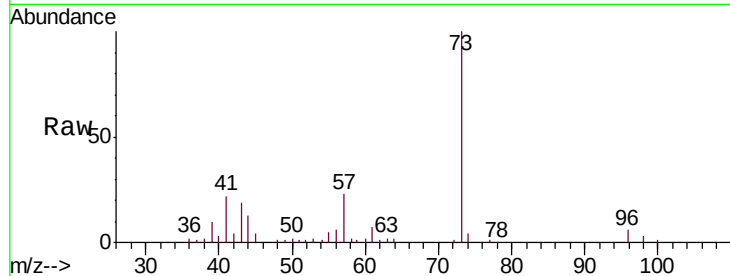




#25
Methyl tert-Butyl Ether
Concen: 1.897 ug/l
RT: 2.99 min Scan# 590
Delta R.T. 0.00 min
Lab File: VU033373.D
Acq: 23 Jul 2019 11:27

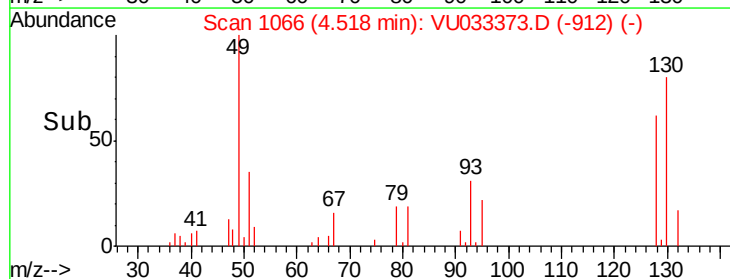
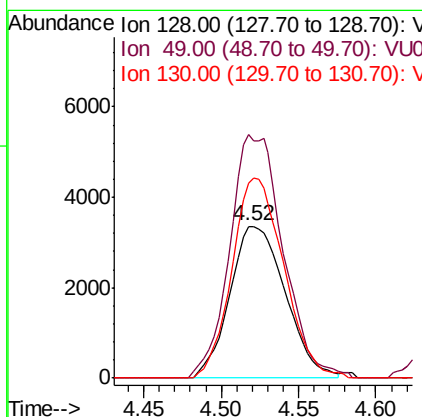
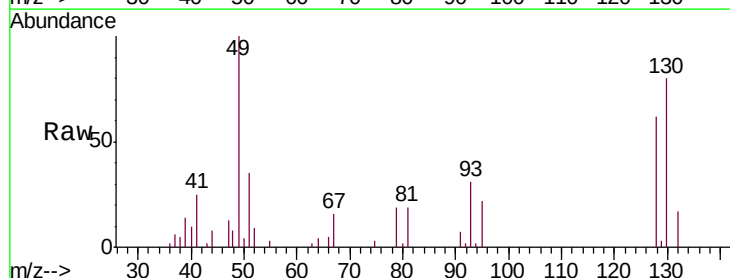
Instrument :
MSVOA_U
ClientSampleId :
VU0723WBS01

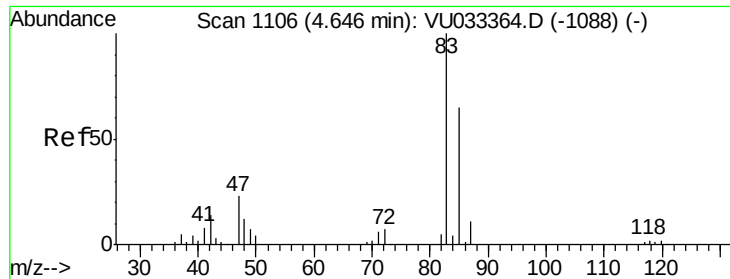
Tgt Ion: 73 Resp: 54051
Ion Ratio Lower Upper
73 100
43 20.8 16.6 24.8



#26
Bromochloromethane
Concen: 2.140 ug/l
RT: 4.52 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VU033373.D
Acq: 23 Jul 2019 11:27

Tgt Ion: 128 Resp: 8382
Ion Ratio Lower Upper
128 100
49 153.8 0.0 333.4
130 123.3 103.4 155.2

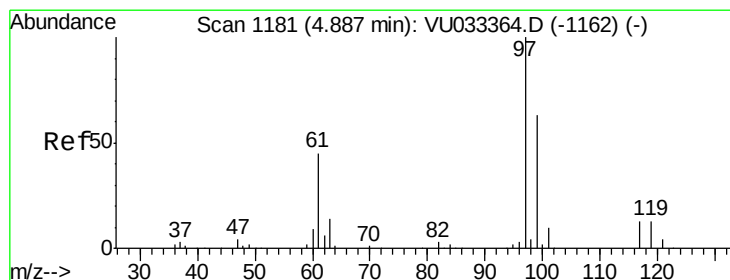
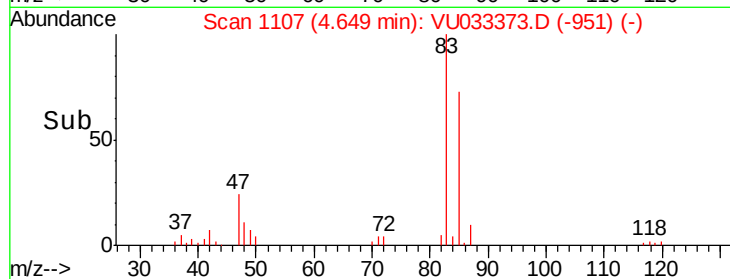
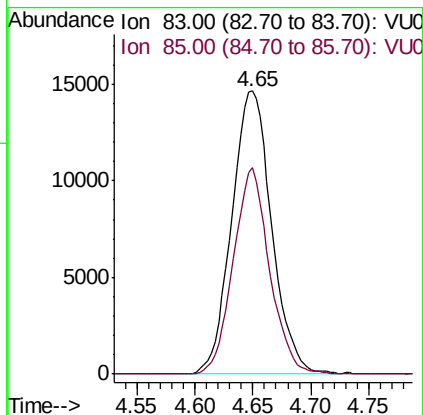
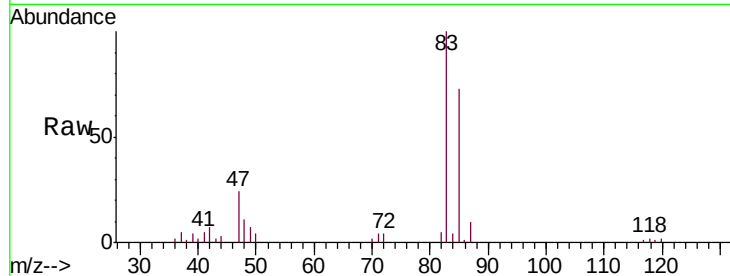




#27
Chloroform
Concen: 1.938 ug/l
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU033373.D
Acq: 23 Jul 2019 11:27

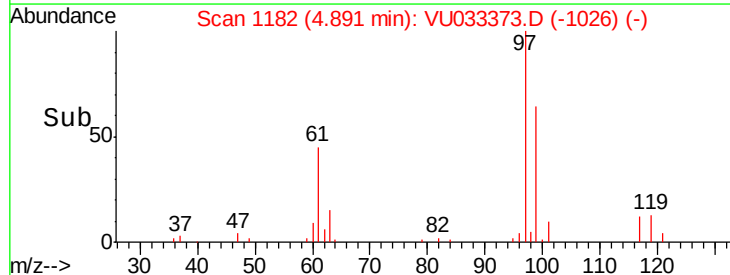
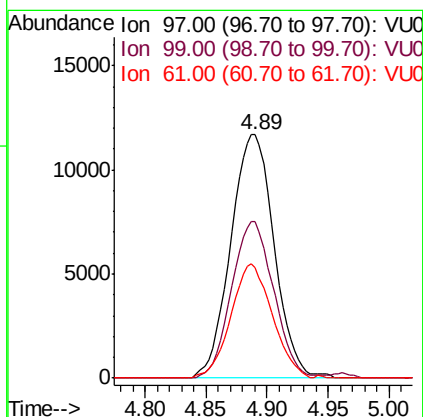
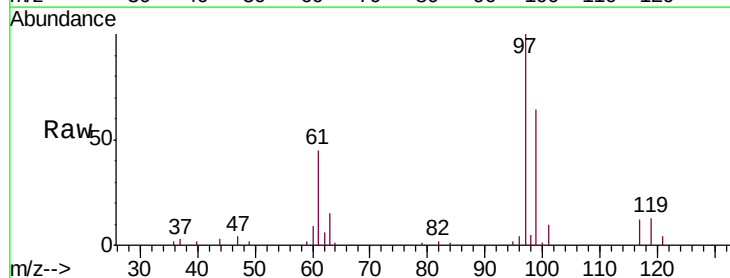
Instrument :
MSVOA_U
ClientSampleId :
VU0723WBS01

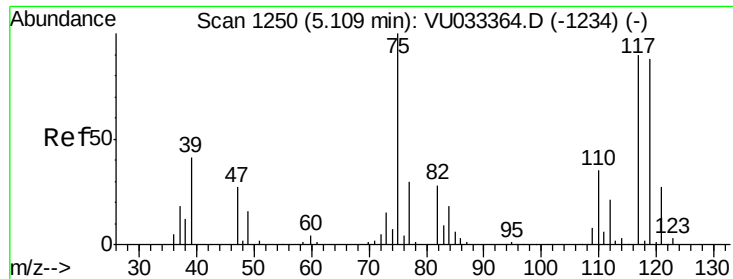
Tgt Ion: 83 Resp: 34946
Ion Ratio Lower Upper
83 100
85 72.8 0.0 129.8



#28
1,1,1-Trichloroethane
Concen: 2.067 ug/l
RT: 4.89 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VU033373.D
Acq: 23 Jul 2019 11:27

Tgt Ion: 97 Resp: 28847
Ion Ratio Lower Upper
97 100
99 62.2 31.9 95.5
61 44.8 22.7 68.0





#29

1,1-Dichloropropene

Concen: 1.902 ug/l

RT: 5.11 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VU033373.D

Acq: 23 Jul 2019 11:27

Instrument :

MSVOA_U

ClientSampleId :

VU0723WBS01

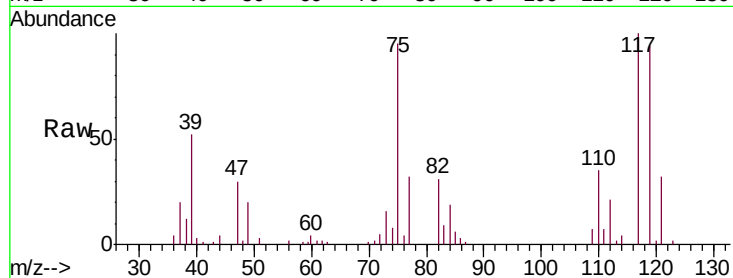
Tgt Ion: 75 Resp: 21895

Ion Ratio Lower Upper

75 100

110 34.4 17.5 52.6

77 32.1 25.1 37.7

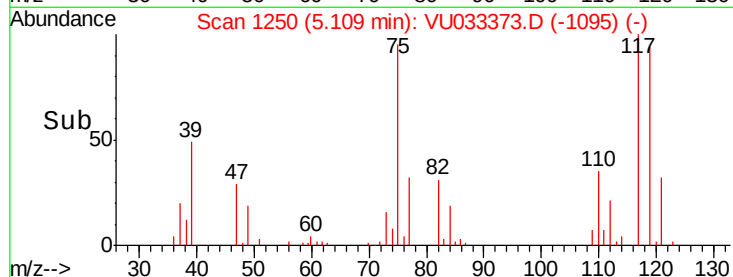


Abundance Ion 75.00 (74.70 to 75.70): VU033364.D (-1234) (-)

Ion 110.00 (109.70 to 110.70): VU033364.D (-1234) (-)

Ion 77.00 (76.70 to 77.70): VU033364.D (-1234) (-)

Time-->

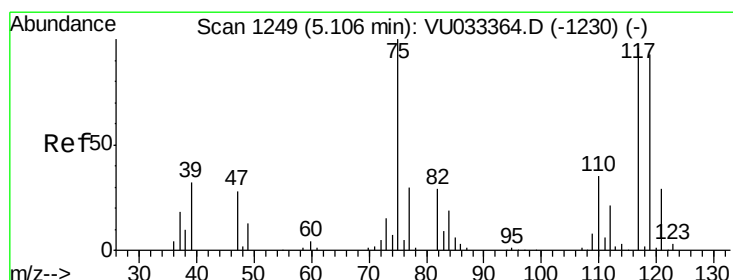


Abundance Ion 75.00 (74.70 to 75.70): VU033373.D (-1095) (-)

Ion 110.00 (109.70 to 110.70): VU033373.D (-1095) (-)

Ion 77.00 (76.70 to 77.70): VU033373.D (-1095) (-)

Time-->



#30

Carbon Tetrachloride

Concen: 2.018 ug/l

RT: 5.11 min Scan# 1249

Delta R.T. -0.00 min

Lab File: VU033373.D

Acq: 23 Jul 2019 11:27

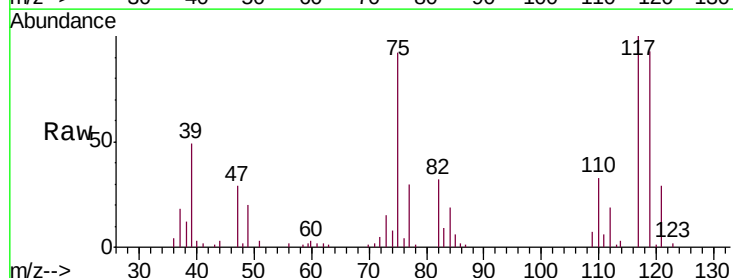
Tgt Ion: 117 Resp: 24790

Ion Ratio Lower Upper

117 100

119 93.1 77.9 116.9

121 29.0 24.0 36.0

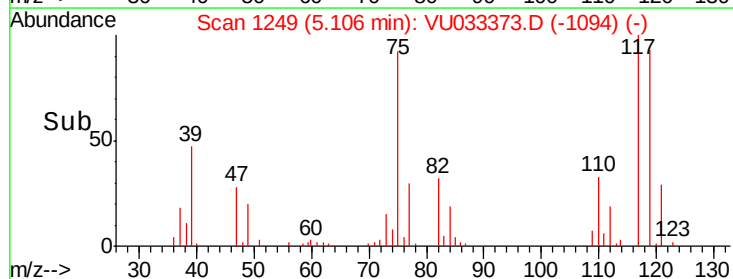


Abundance Ion 117.00 (116.70 to 117.70): VU033364.D (-1230) (-)

Ion 119.00 (118.70 to 119.70): VU033364.D (-1230) (-)

Ion 121.00 (120.70 to 121.70): VU033364.D (-1230) (-)

Time-->

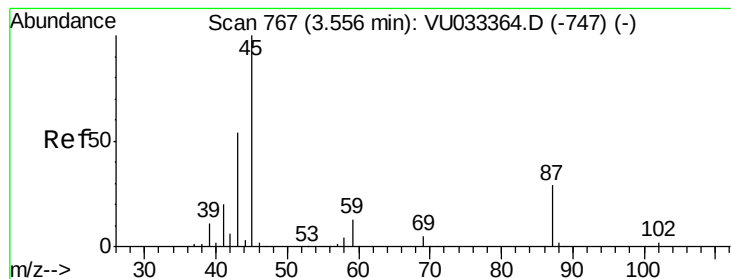


Abundance Ion 117.00 (116.70 to 117.70): VU033373.D (-1094) (-)

Ion 119.00 (118.70 to 119.70): VU033373.D (-1094) (-)

Ion 121.00 (120.70 to 121.70): VU033373.D (-1094) (-)

Time-->



#31

Isopropyl Ether

Concen: 1.891 ug/l

RT: 3.56 min Scan# 767

Delta R.T. -0.00 min

Lab File: VU033373.D

Acq: 23 Jul 2019 11:27

Instrument :

MSVOA_U

ClientSampleId :

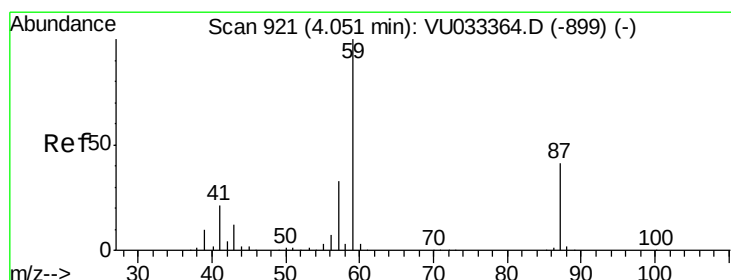
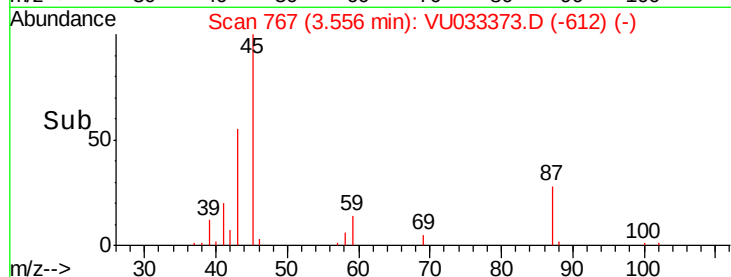
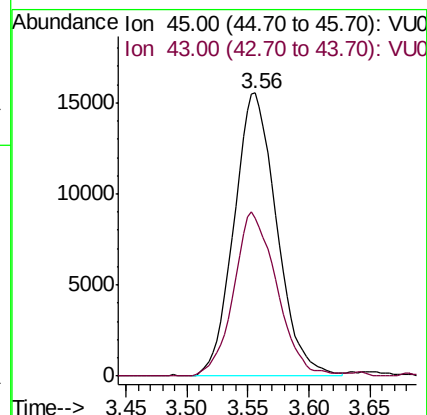
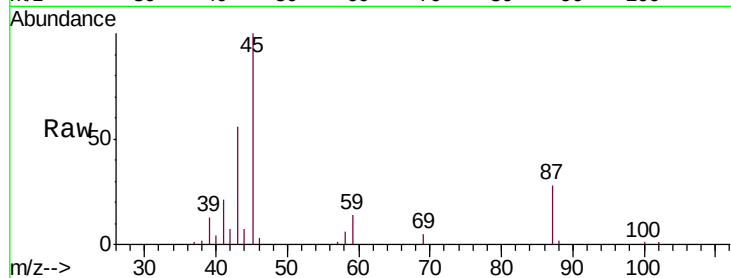
VU0723WBS01

Tgt Ion: 45 Resp: 37696

Ion Ratio Lower Upper

45 100

43 58.8 27.8 83.3



#32

Ethyl-t-butyl ether

Concen: 1.815 ug/l

RT: 4.05 min Scan# 920

Delta R.T. -0.00 min

Lab File: VU033373.D

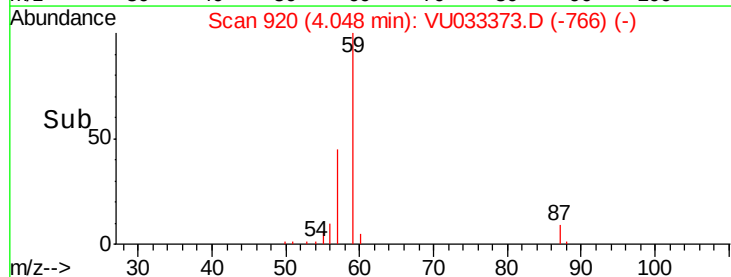
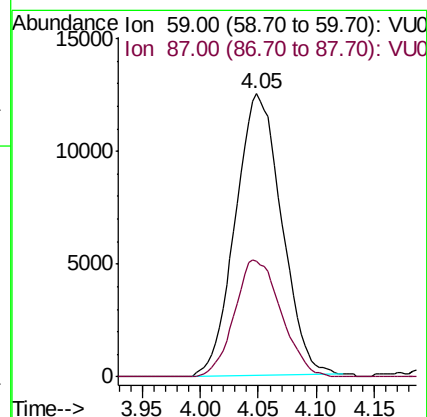
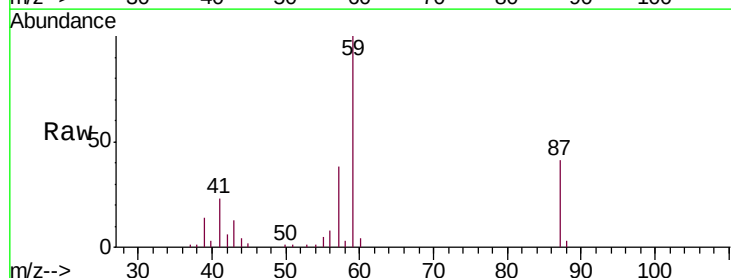
Acq: 23 Jul 2019 11:27

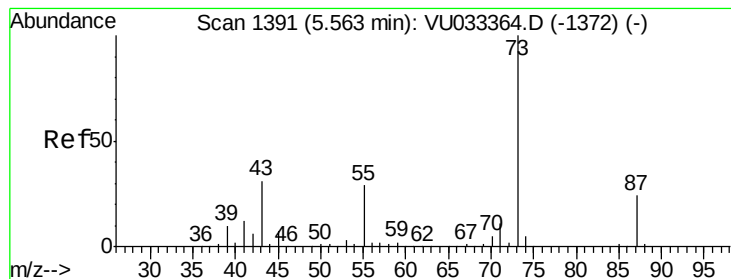
Tgt Ion: 59 Resp: 34787

Ion Ratio Lower Upper

59 100

87 41.9 33.8 50.6





#33

Tert-Amyl methyl ether

Concen: 1.794 ug/l

RT: 5.56 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VU033373.D

Acq: 23 Jul 2019 11:27

Instrument :

MSVOA_U

ClientSampleId :

VU0723WBS01

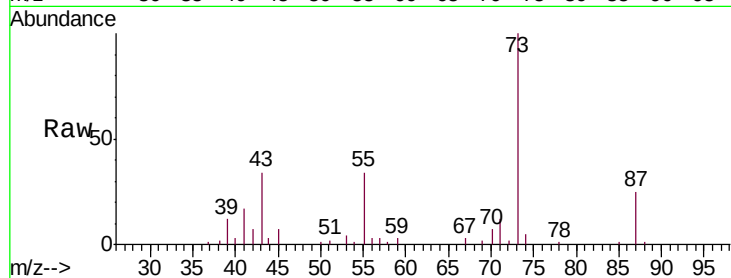
Tgt Ion: 73 Resp: 30930

Ion Ratio Lower Upper

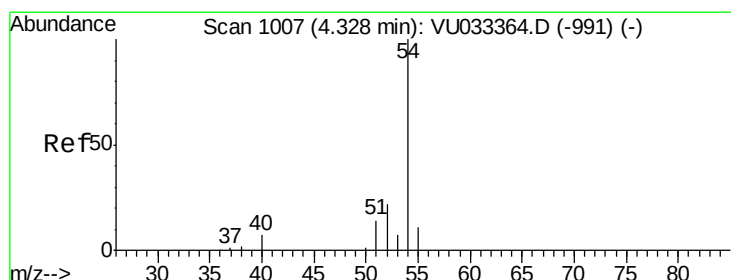
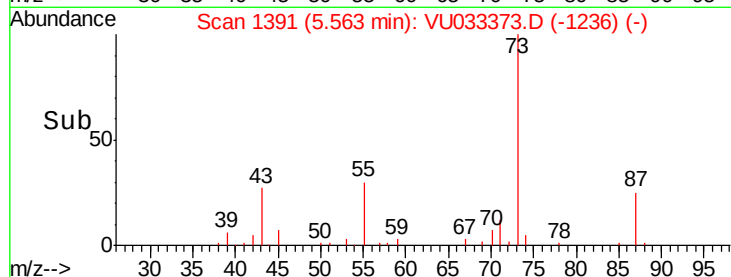
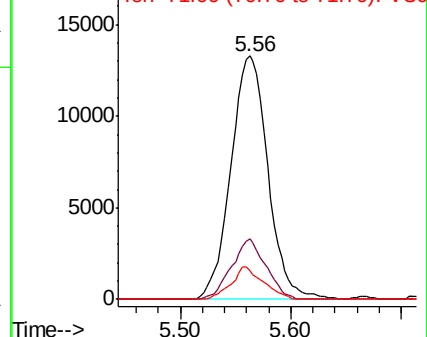
73 100

87 23.0 18.9 28.3

71 11.4 9.3 13.9



Abundance Ion 73.00 (72.70 to 73.70): VU0
Ion 87.00 (86.70 to 87.70): VU0
Ion 71.00 (70.70 to 71.70): VU0



#34

Propionitrile

Concen: 8.779 ug/l

RT: 4.32 min Scan# 1004

Delta R.T. -0.01 min

Lab File: VU033373.D

Acq: 23 Jul 2019 11:27

Tgt Ion: 54 Resp: 5666

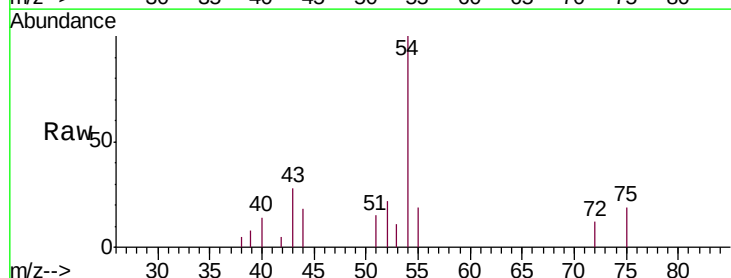
Ion Ratio Lower Upper

54 100

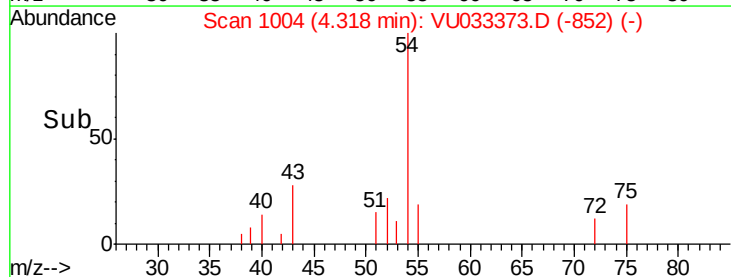
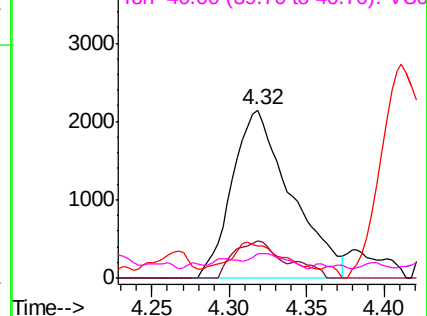
52 15.7 17.1 25.7#

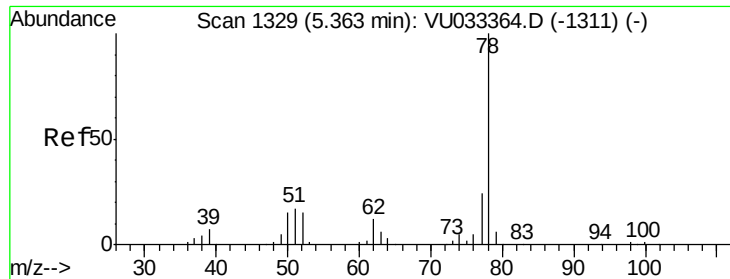
55 14.4 11.6 17.4

40 5.3 3.5 5.3#



Abundance Ion 54.00 (53.70 to 54.70): VU0
Ion 52.00 (51.70 to 52.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 40.00 (39.70 to 40.70): VU0





#35

Benzene

Concen: 1.992 ug/l

RT: 5.37 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VU033373.D

Acq: 23 Jul 2019 11:27

Instrument :

MSVOA_U

ClientSampleId :

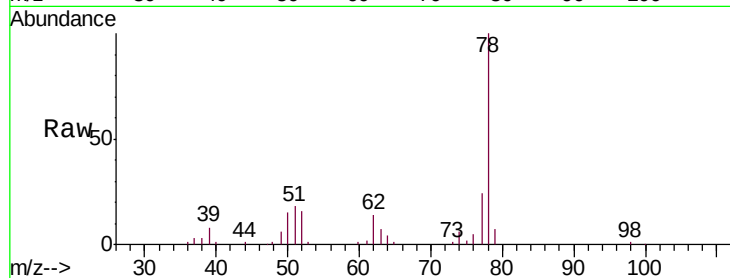
VU0723WBS01

Tgt Ion: 78 Resp: 66262

Ion Ratio Lower Upper

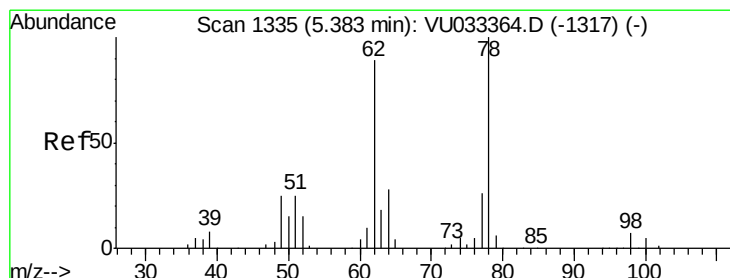
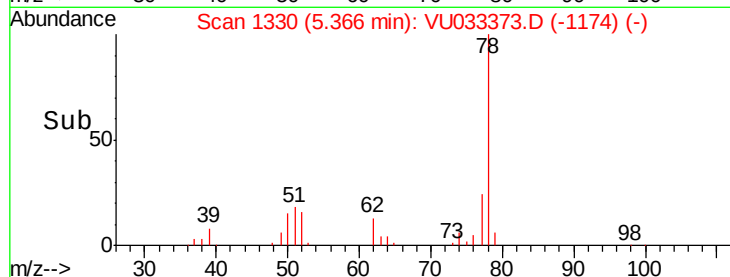
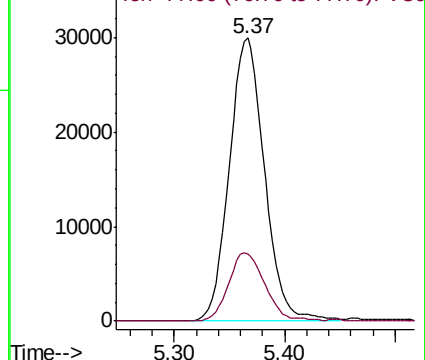
78 100

77 23.8 19.4 29.2



Abundance Ion 78.10 (77.80 to 78.80): VU0

Ion 77.00 (76.70 to 77.70): VU0



#36

1,2-Dichloroethane

Concen: 1.981 ug/l

RT: 5.39 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU033373.D

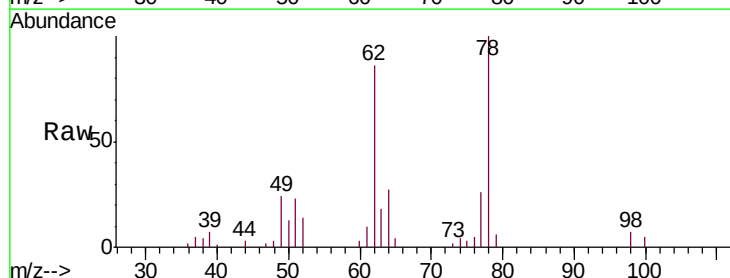
Acq: 23 Jul 2019 11:27

Tgt Ion: 62 Resp: 21932

Ion Ratio Lower Upper

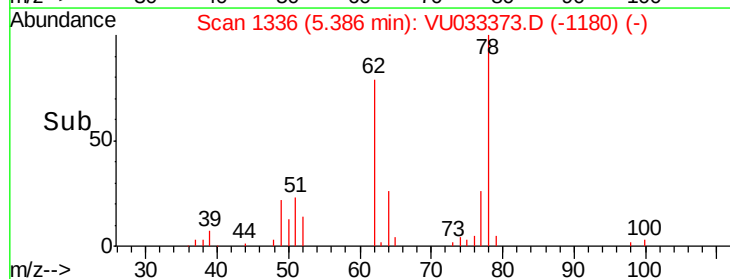
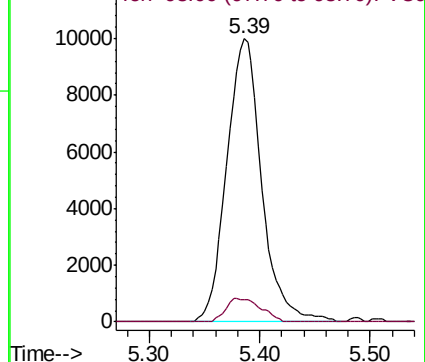
62 100

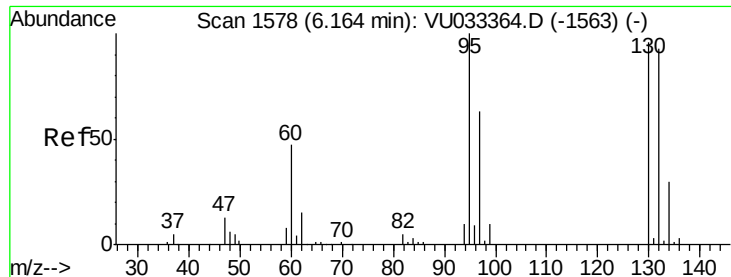
98 8.4 6.5 9.7



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

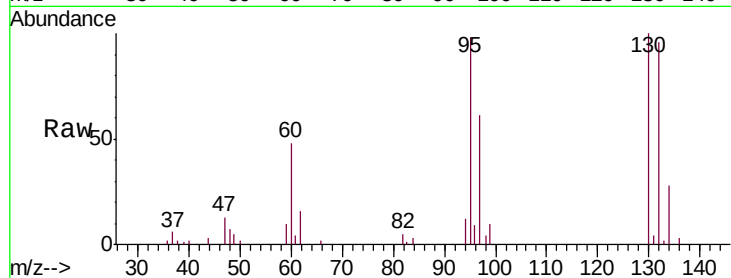




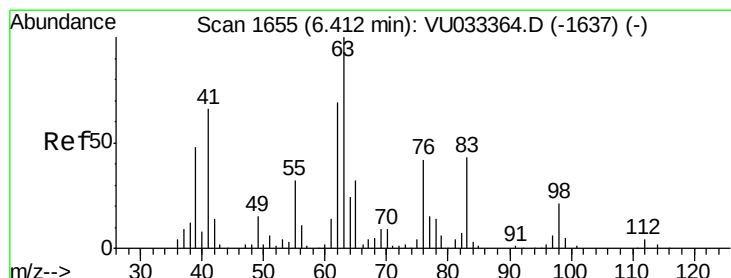
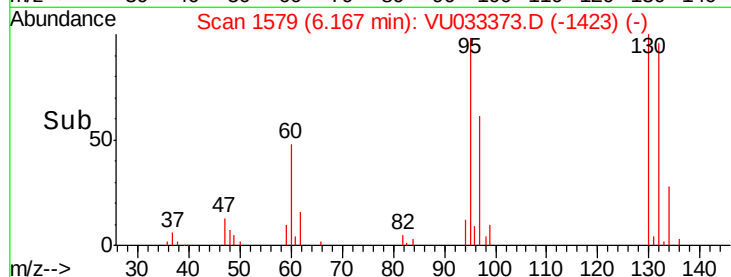
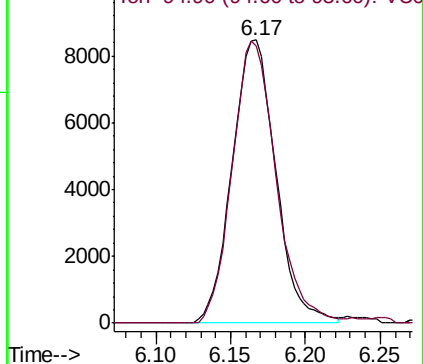
#37
 Trichloroethene
 Concen: 1.971 ug/l
 RT: 6.17 min Scan# 1579
 Delta R.T. 0.00 min
 Lab File: VU033373.D
 Acq: 23 Jul 2019 11:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0723WBS01

Tgt Ion: 130 Resp: 17303
 Ion Ratio Lower Upper
 130 100
 95 97.7 83.4 125.0

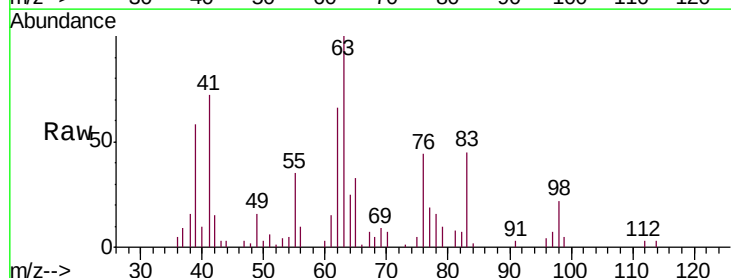


Abundance Ion 129.90 (129.60 to 130.60): VU033364.D (-1563) (-)
 Ion 94.90 (94.60 to 95.60): VU033364.D (-1563) (-)

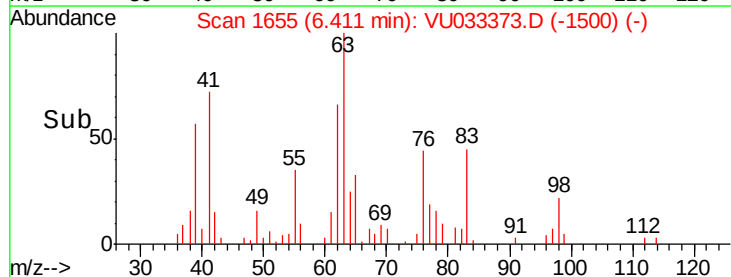
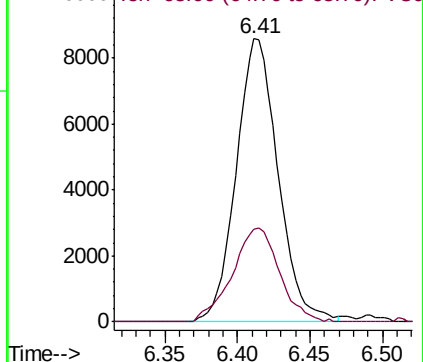


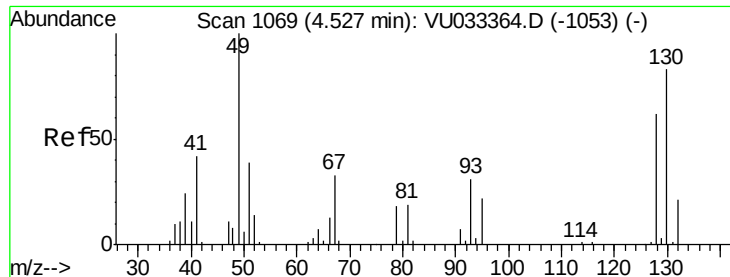
#38
 1,2-Dichloropropane
 Concen: 1.881 ug/l
 RT: 6.41 min Scan# 1655
 Delta R.T. -0.00 min
 Lab File: VU033373.D
 Acq: 23 Jul 2019 11:27

Tgt Ion: 63 Resp: 17264
 Ion Ratio Lower Upper
 63 100
 65 32.6 25.7 38.5



Abundance Ion 63.00 (62.70 to 63.70): VU033364.D (-1637) (-)
 Ion 65.00 (64.70 to 65.70): VU033364.D (-1637) (-)

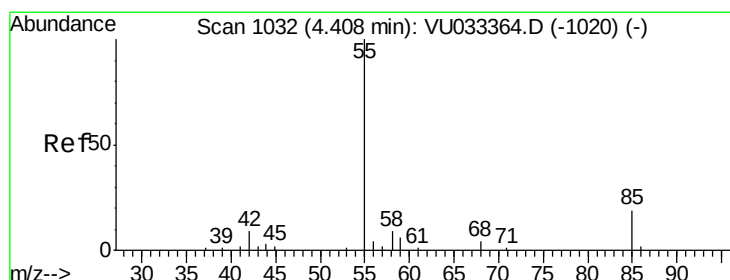
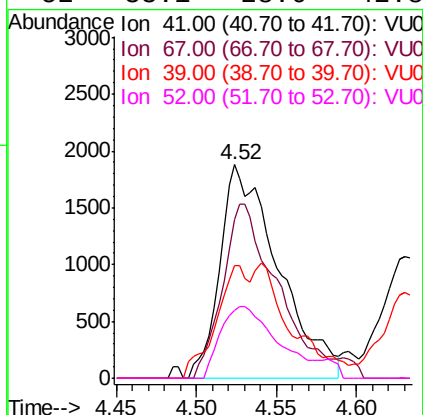
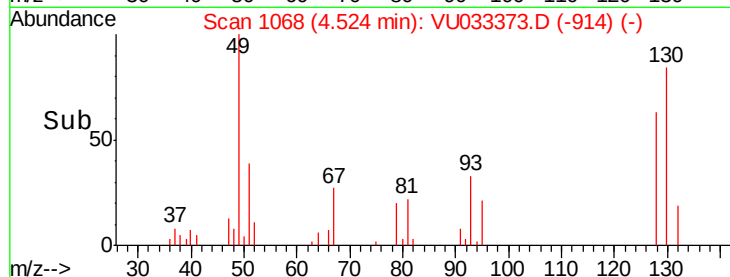
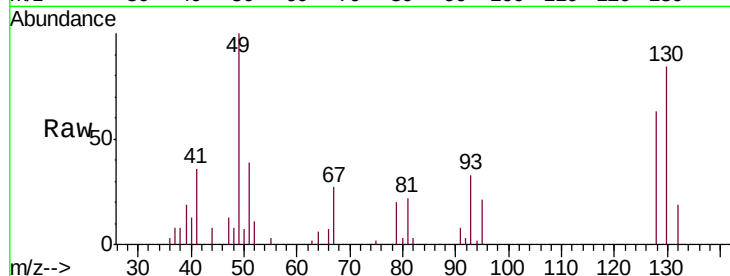




#39
Methacrylonitrile
Concen: 1.838 ug/l
RT: 4.52 min Scan# 1068
Delta R.T. -0.00 min
Lab File: VU033373.D
Acq: 23 Jul 2019 11:27

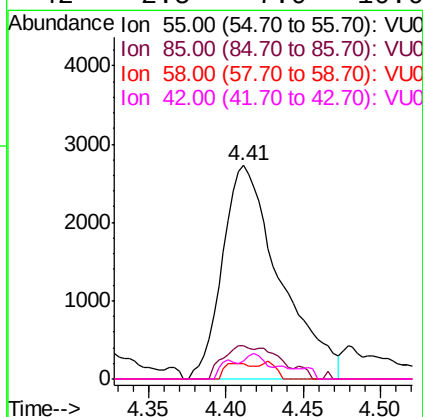
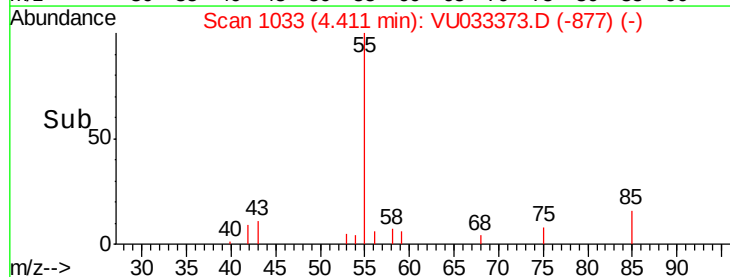
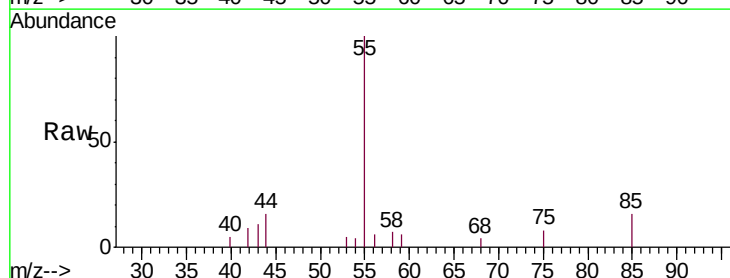
Instrument :
MSVOA_U
ClientSampleId :
VU0723WBS01

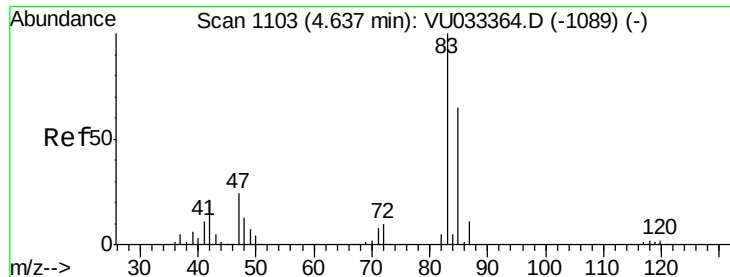
Tgt Ion: 41 Resp: 4710
Ion Ratio Lower Upper
41 100
67 76.8 64.4 96.6
39 30.3 46.8 70.2#
52 33.1 28.6 42.8



#40
Methyl acrylate
Concen: 1.758 ug/l
RT: 4.41 min Scan# 1033
Delta R.T. 0.00 min
Lab File: VU033373.D
Acq: 23 Jul 2019 11:27

Tgt Ion: 55 Resp: 7008
Ion Ratio Lower Upper
55 100
85 0.0 14.8 22.2#
58 2.0 7.1 10.7#
42 2.5 7.0 10.6#

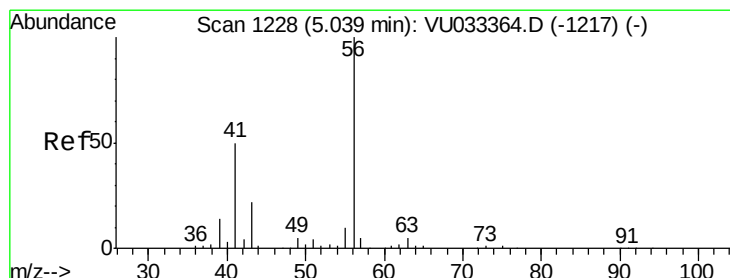
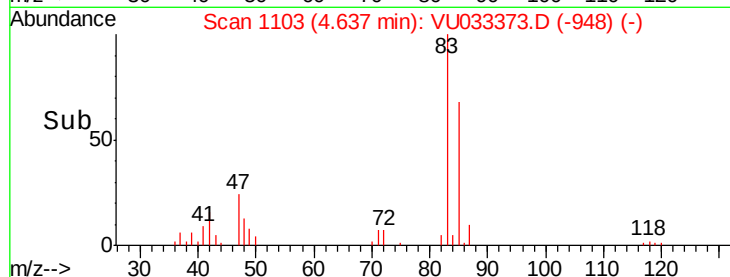
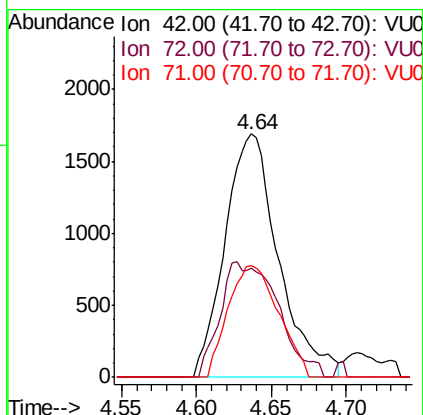
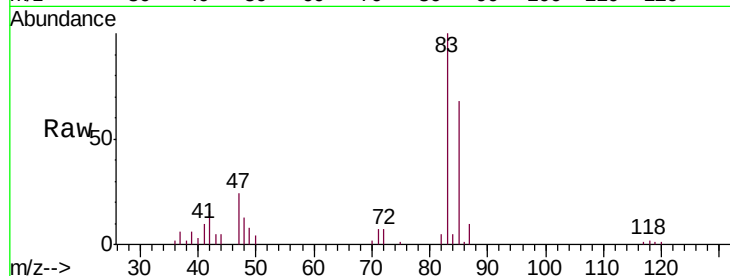




#41
Tetrahydrofuran
Concen: 3.280 ug/l
RT: 4.64 min Scan# 1103
Delta R.T. -0.00 min
Lab File: VU033373.D
Acq: 23 Jul 2019 11:27

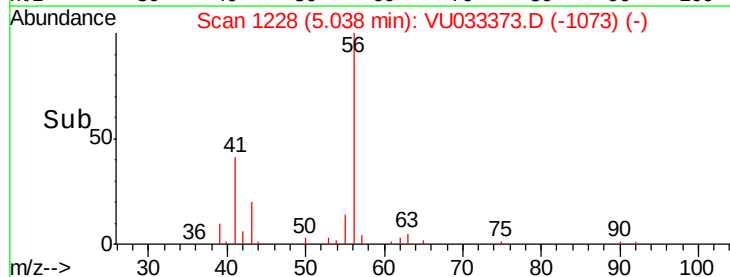
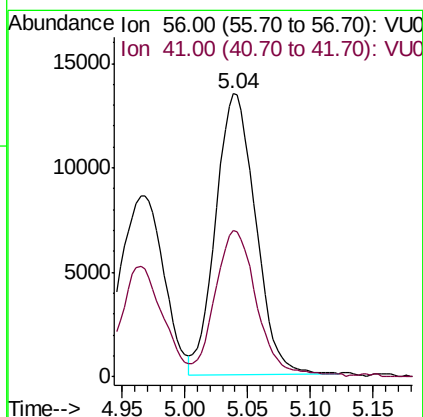
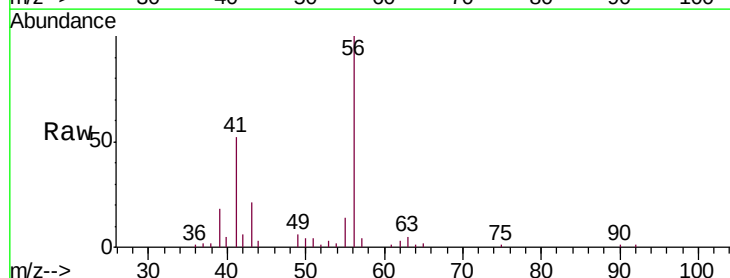
Instrument :
MSVOA_U
ClientSampleId :
VU0723WBS01

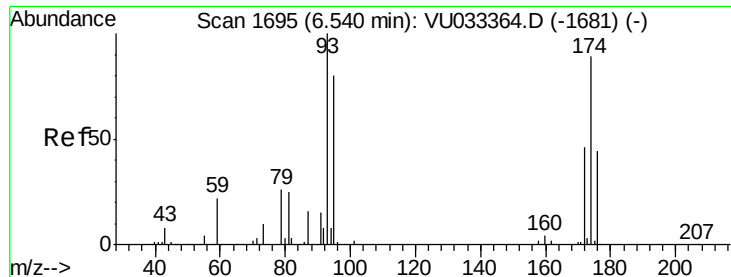
Tgt Ion: 42 Resp: 4214
Ion Ratio Lower Upper
42 100
72 51.2 38.7 58.1
71 43.1 34.6 52.0



#42
1-Chlorobutane
Concen: 1.919 ug/l
RT: 5.04 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VU033373.D
Acq: 23 Jul 2019 11:27

Tgt Ion: 56 Resp: 29628
Ion Ratio Lower Upper
56 100
41 52.8 25.7 77.1





#43

Dibromomethane

Concen: 1.918 ug/l

RT: 6.54 min Scan# 1695

Delta R.T. -0.00 min

Lab File: VU033373.D

Acq: 23 Jul 2019 11:27

Instrument :

MSVOA_U

ClientSampleId :

VU0723WBS01

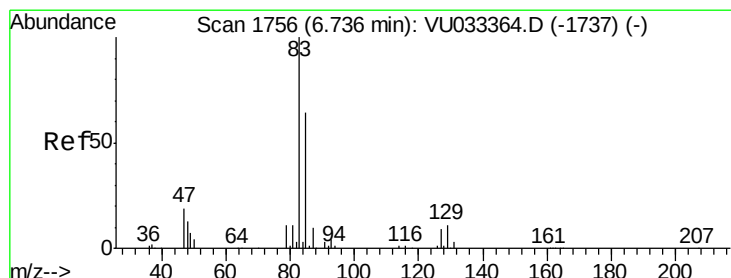
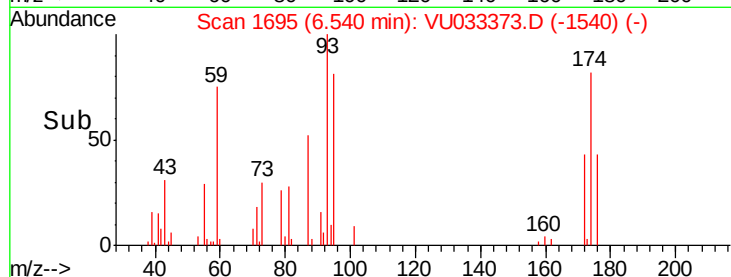
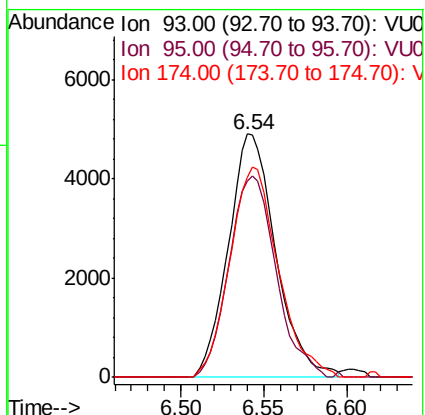
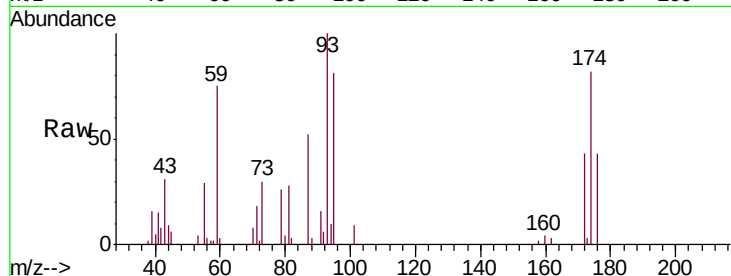
Tgt Ion: 93 Resp: 9743

Ion Ratio Lower Upper

93 100

95 82.2 65.3 97.9

174 88.3 70.7 106.1



#44

Bromodichloromethane

Concen: 1.901 ug/l

RT: 6.74 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VU033373.D

Acq: 23 Jul 2019 11:27

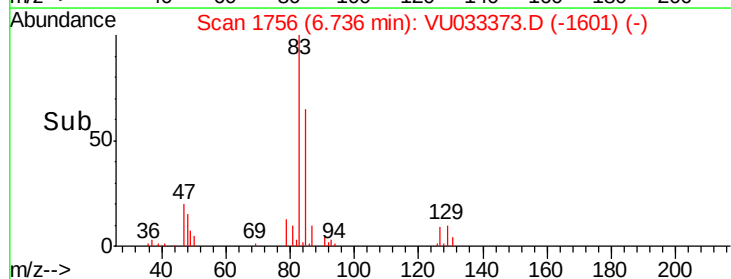
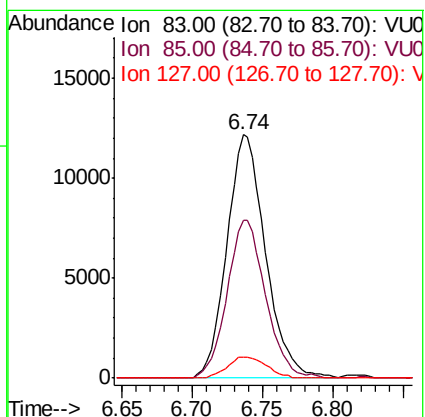
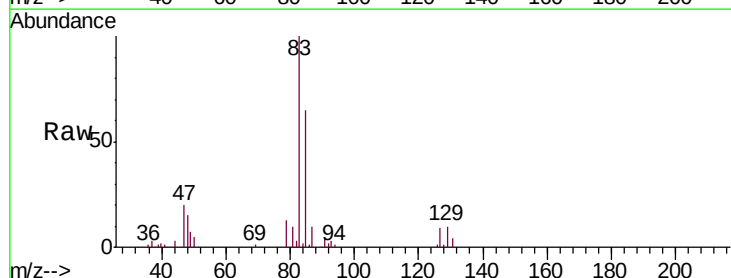
Tgt Ion: 83 Resp: 23289

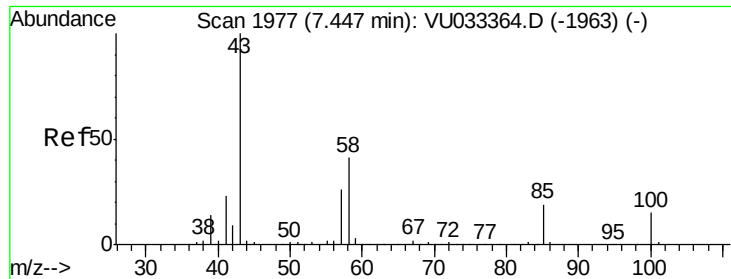
Ion Ratio Lower Upper

83 100

85 64.9 51.1 76.7

127 8.8 7.2 10.8





#45

4-Methyl-2-Pentanone

Concen: 8.218 ug/l

RT: 7.45 min Scan# 1978

Delta R.T. 0.00 min

Lab File: VU033373.D

Acq: 23 Jul 2019 11:27

Instrument :

MSVOA_U

ClientSampleId :

VU0723WBS01

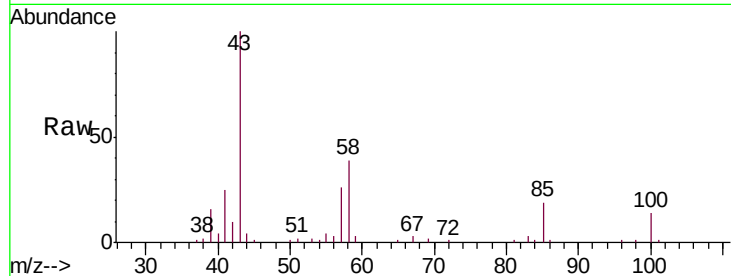
Tgt Ion: 43 Resp: 42585

Ion Ratio Lower Upper

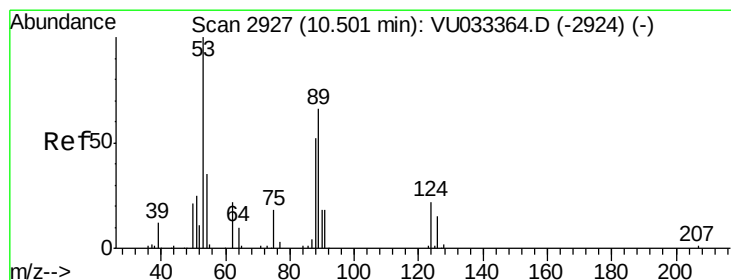
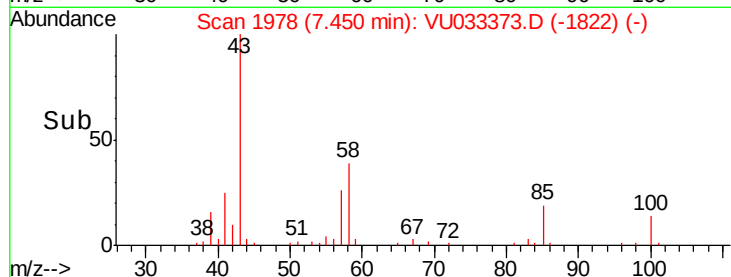
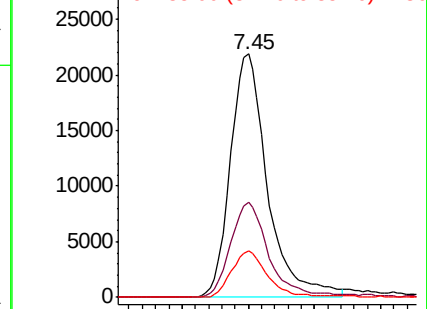
43 100

58 39.0 20.3 60.8

85 18.4 15.0 22.6



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: 5.447 ug/l

RT: 10.48 min Scan# 2920

Delta R.T. -0.02 min

Lab File: VU033373.D

Acq: 23 Jul 2019 11:27

Tgt Ion: 75 Resp: 11391

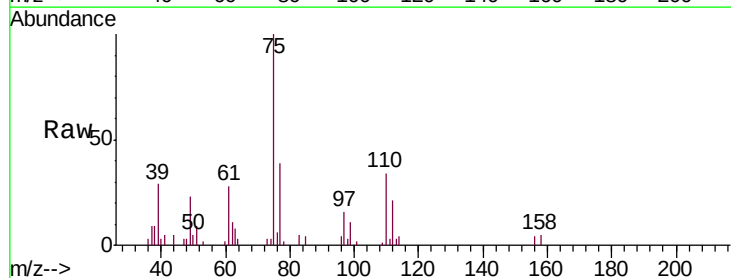
Ion Ratio Lower Upper

75 100

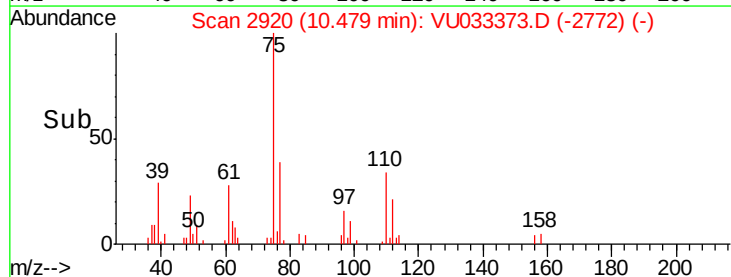
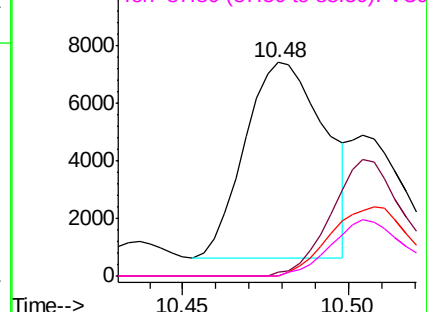
53 56.0 62.9 94.3#

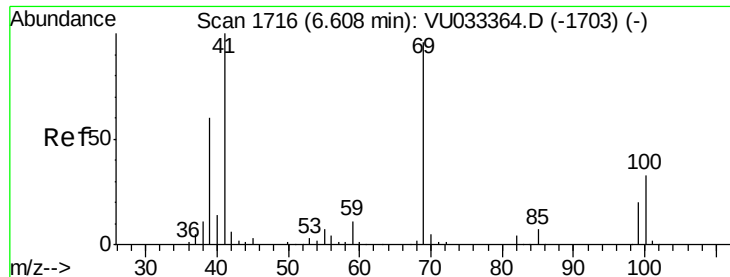
89 35.9 43.0 64.4#

88 27.4 35.0 52.4#



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: 3.579 ug/l

RT: 6.61 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VU033373.D

Acq: 23 Jul 2019 11:27

Instrument :

MSVOA_U

ClientSampleId :

VU0723WBS01

Tgt Ion: 69 Resp: 13858

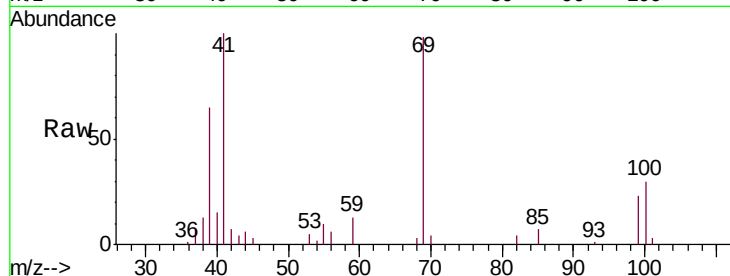
Ion Ratio Lower Upper

69 100

41 106.3 0.0 208.2

39 60.5 50.6 75.8

100 30.4 27.2 40.8

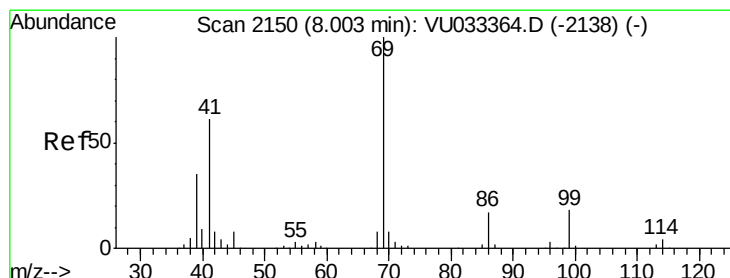
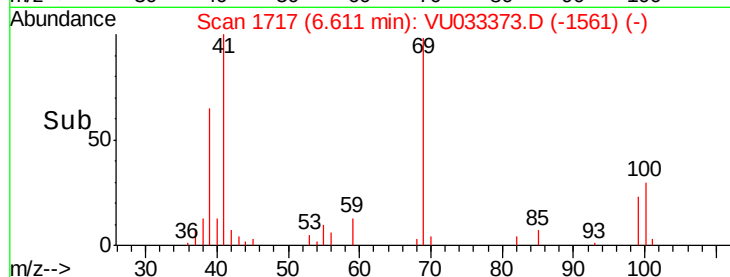
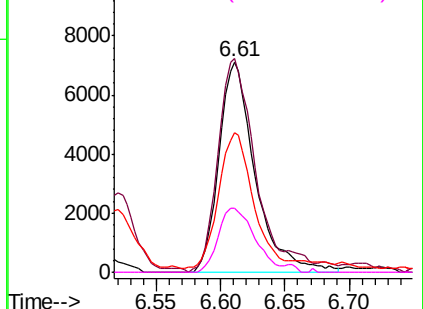


Abundance Ion 69.00 (68.70 to 69.70): VU033364.D (-1703) (-)

Ion 41.00 (40.70 to 41.70): VU033364.D (-1703) (-)

Ion 39.00 (38.70 to 39.70): VU033364.D (-1703) (-)

Ion 100.00 (99.70 to 100.70): VU033364.D (-1703) (-)



#48

Ethyl methacrylate

Concen: 1.648 ug/l

RT: 8.01 min Scan# 2151

Delta R.T. 0.00 min

Lab File: VU033373.D

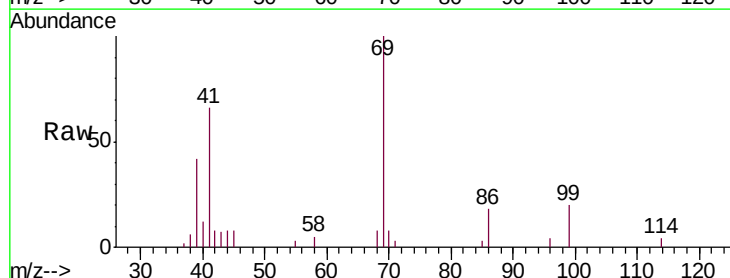
Acq: 23 Jul 2019 11:27

Tgt Ion: 69 Resp: 11246

Ion Ratio Lower Upper

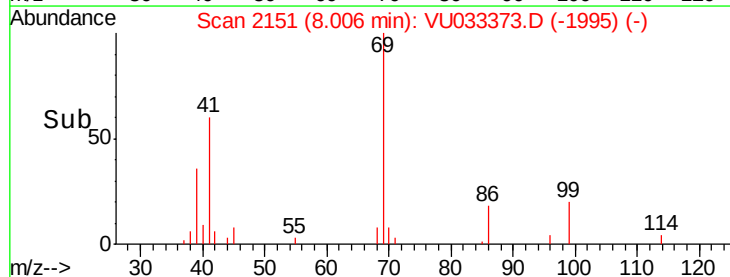
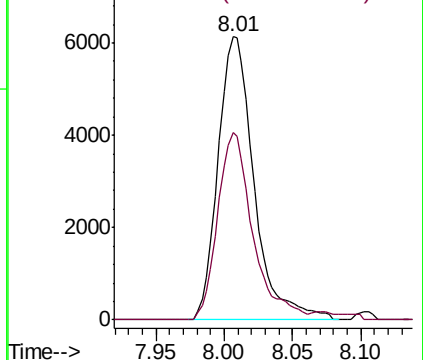
69 100

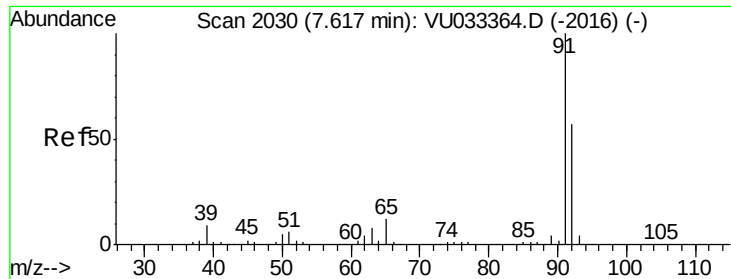
41 64.5 30.9 92.7



Abundance Ion 69.00 (68.70 to 69.70): VU033364.D (-2138) (-)

Ion 41.00 (40.70 to 41.70): VU033364.D (-2138) (-)





#49

Toluene

Concen: 1.928 ug/l

RT: 7.62 min Scan# 2030

Delta R.T. -0.00 min

Lab File: VU033373.D

Acq: 23 Jul 2019 11:27

Instrument :

MSVOA_U

ClientSampleId :

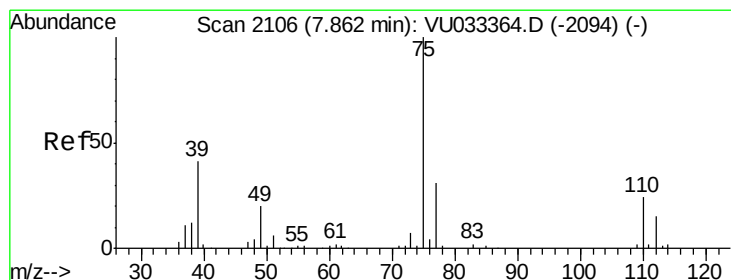
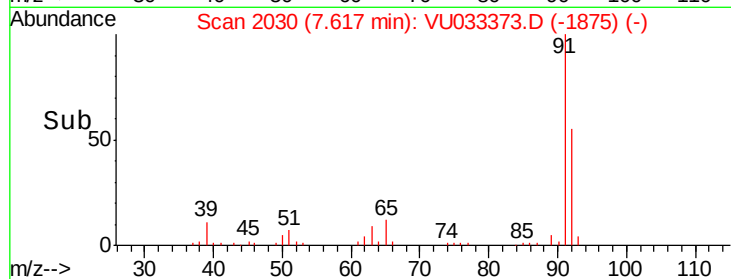
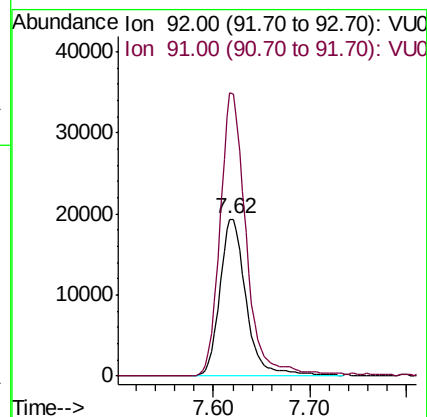
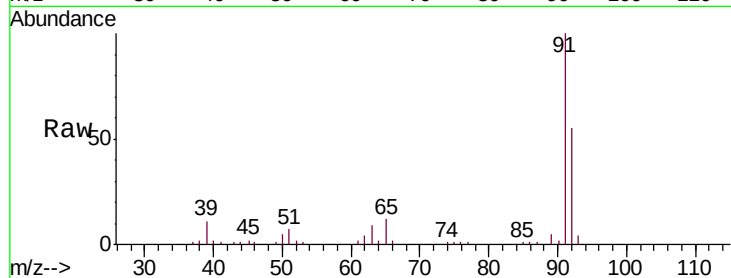
VU0723WBS01

Tgt Ion: 92 Resp: 36728

Ion Ratio Lower Upper

92 100

91 178.1 142.1 213.1



#50

t-1,3-Dichloropropene

Concen: 1.897 ug/l

RT: 7.86 min Scan# 2107

Delta R.T. 0.00 min

Lab File: VU033373.D

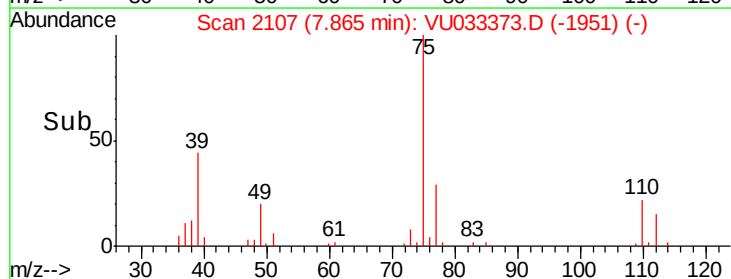
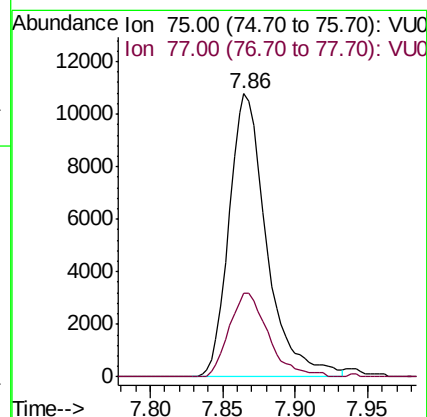
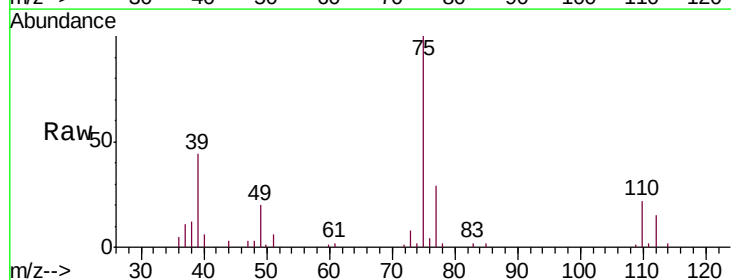
Acq: 23 Jul 2019 11:27

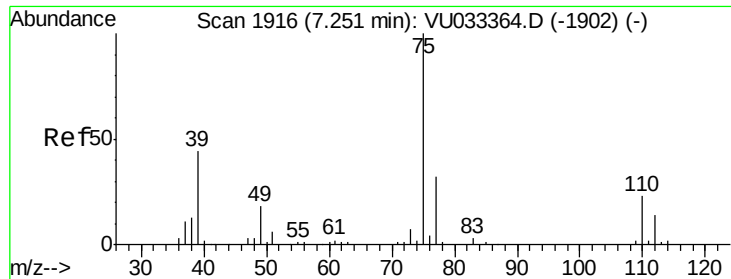
Tgt Ion: 75 Resp: 19384

Ion Ratio Lower Upper

75 100

77 29.4 25.2 37.8

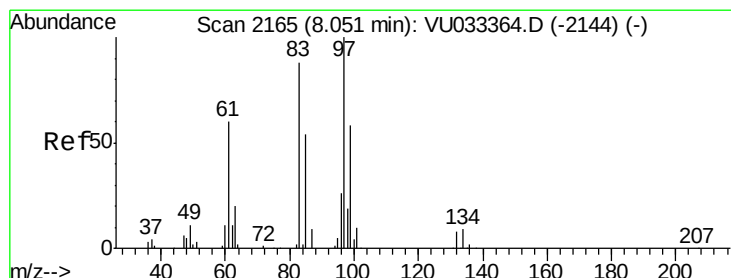
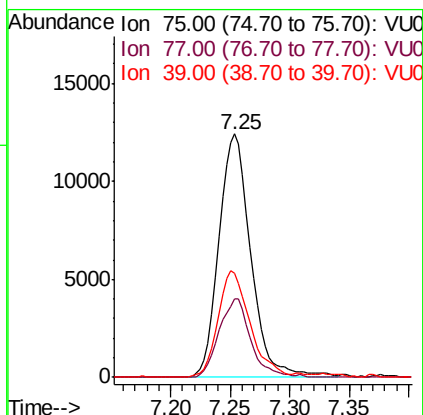
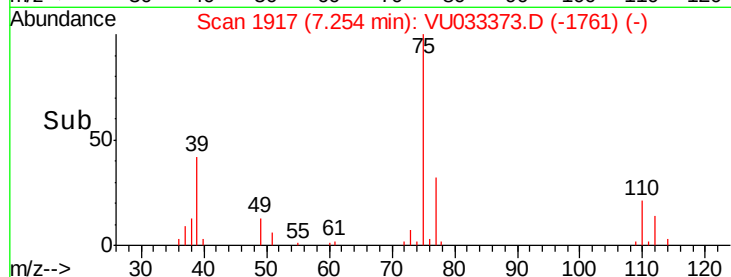
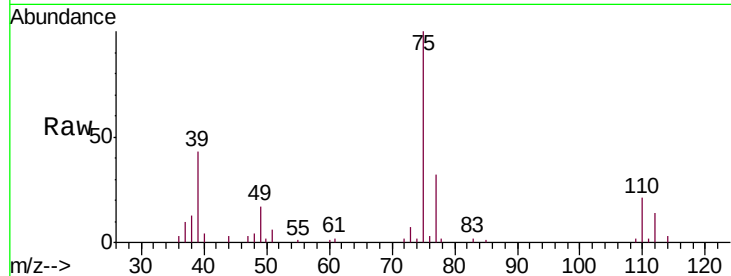




#51
 cis-1,3-Dichloropropene
 Concen: 1.920 ug/l
 RT: 7.25 min Scan# 1917
 Delta R.T. 0.00 min
 Lab File: VU033373.D
 Acq: 23 Jul 2019 11:27

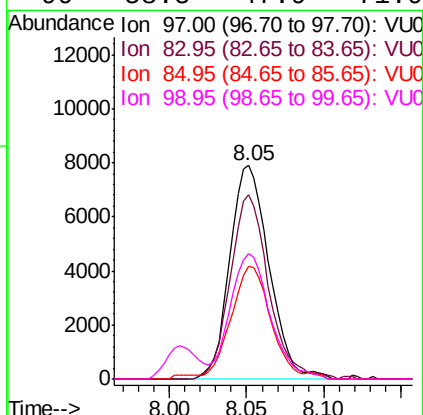
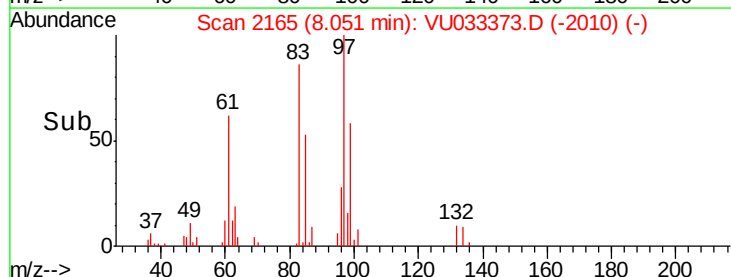
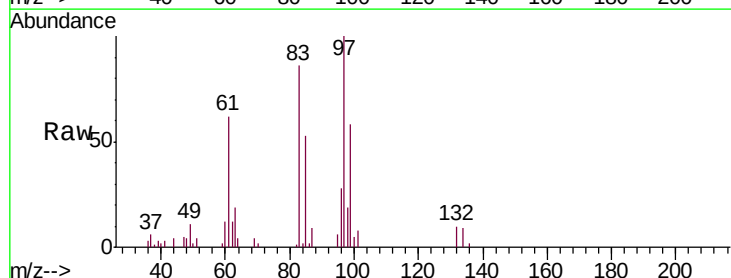
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0723WBS01

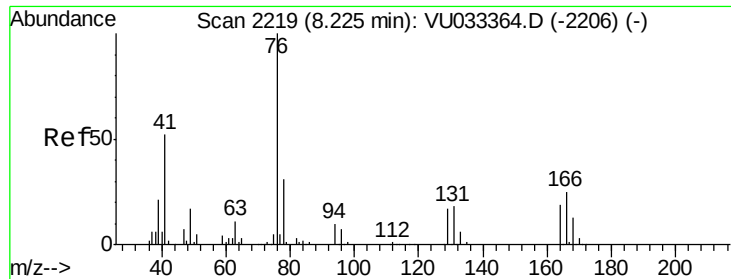
Tgt Ion: 75 Resp: 23163
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.8 38.8
 39 42.9 35.2 52.8



#52
 1,1,2-Trichloroethane
 Concen: 2.045 ug/l
 RT: 8.05 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VU033373.D
 Acq: 23 Jul 2019 11:27

Tgt Ion: 97 Resp: 13884
 Ion Ratio Lower Upper
 97 100
 83 86.4 70.2 105.2
 85 53.0 43.5 65.3
 99 58.5 47.9 71.9

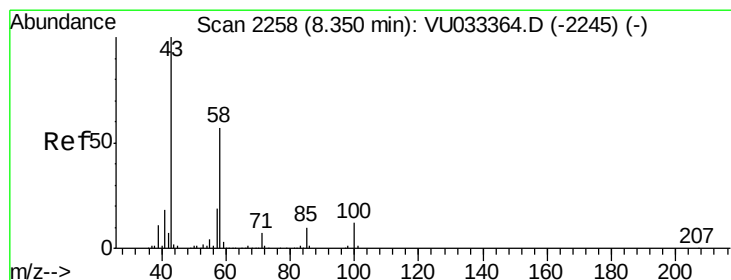
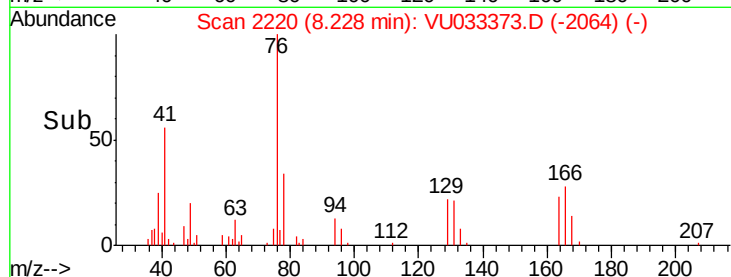
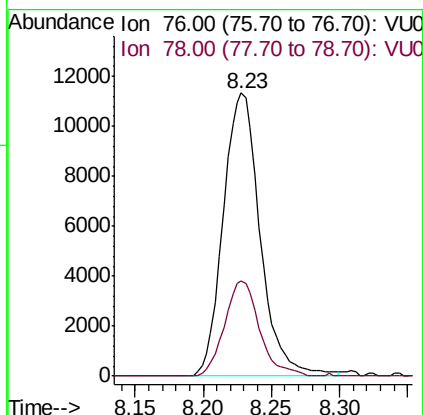
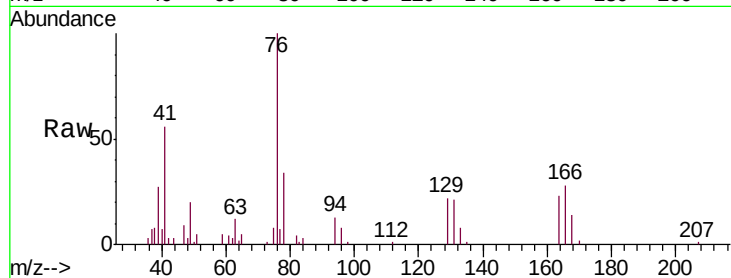




#53
 1,3-Dichloropropane
 Concen: 1.855 ug/l
 RT: 8.23 min Scan# 2220
 Delta R.T. 0.00 min
 Lab File: VU033373.D
 Acq: 23 Jul 2019 11:27

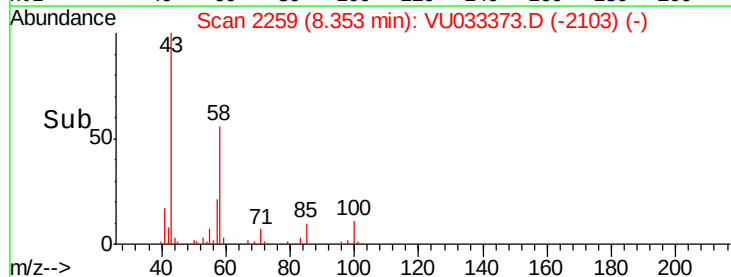
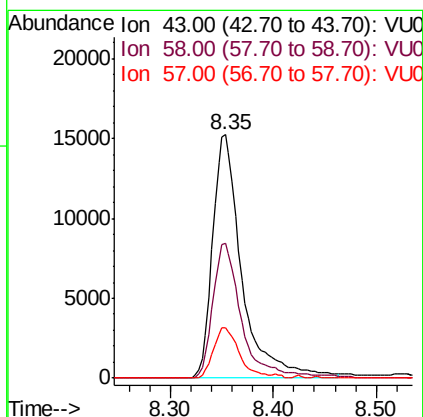
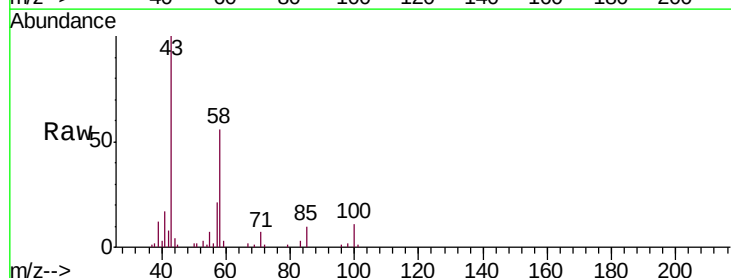
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0723WBS01

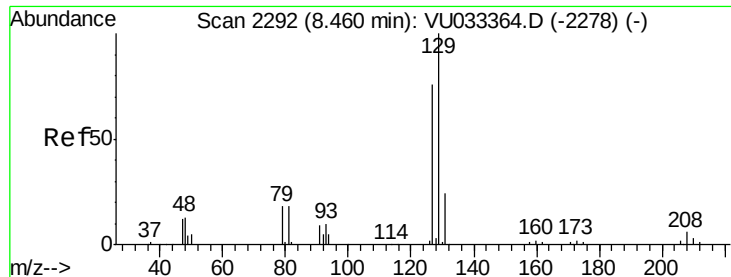
Tgt Ion: 76 Resp: 21289
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.7 38.5



#54
 2-Hexanone
 Concen: 8.249 ug/l
 RT: 8.35 min Scan# 2259
 Delta R.T. 0.00 min
 Lab File: VU033373.D
 Acq: 23 Jul 2019 11:27

Tgt Ion: 43 Resp: 30088
 Ion Ratio Lower Upper
 43 100
 58 53.8 36.0 76.0
 57 18.7 0.0 39.4





#55

Dibromochloromethane

Concen: 1.888 ug/l

RT: 8.46 min Scan# 2292

Delta R.T. -0.00 min

Lab File: VU033373.D

Acq: 23 Jul 2019 11:27

Instrument :

MSVOA_U

ClientSampleId :

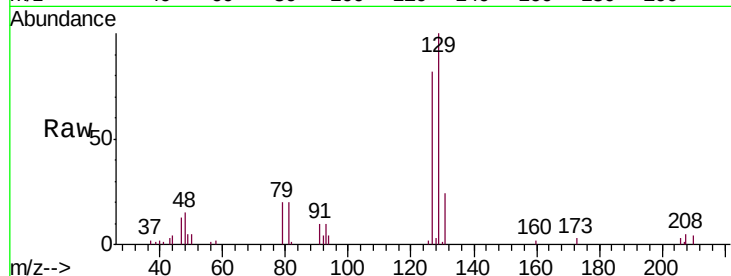
VU0723WBS01

Tgt Ion:129 Resp: 14972

Ion Ratio Lower Upper

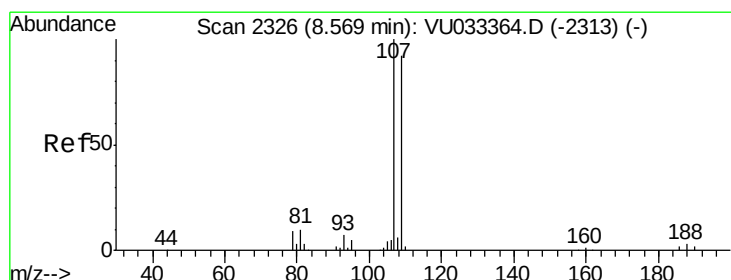
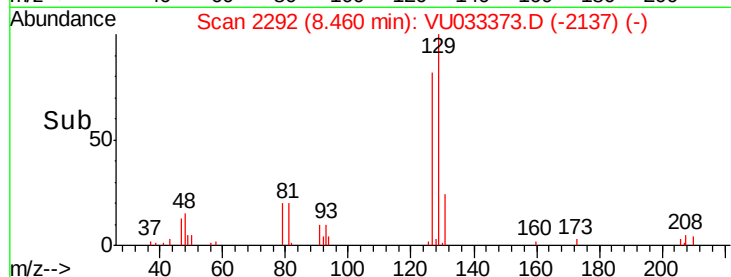
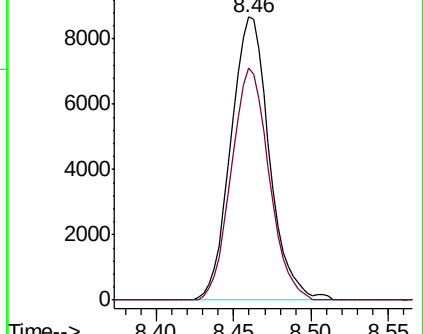
129 100

127 80.3 60.9 91.3



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#56

1,2-Dibromoethane

Concen: 1.893 ug/l

RT: 8.57 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VU033373.D

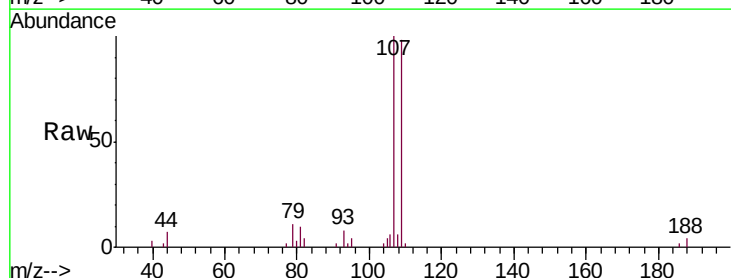
Acq: 23 Jul 2019 11:27

Tgt Ion:107 Resp: 11983

Ion Ratio Lower Upper

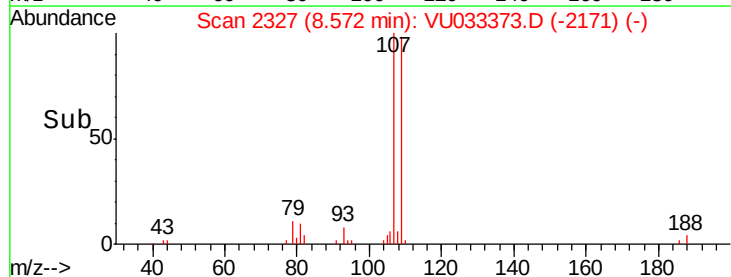
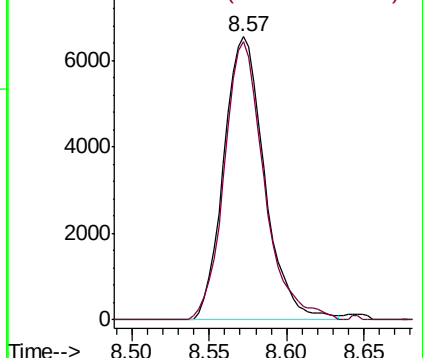
107 100

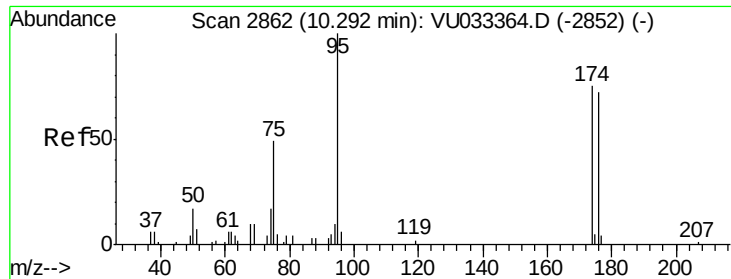
109 96.2 0.0 184.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

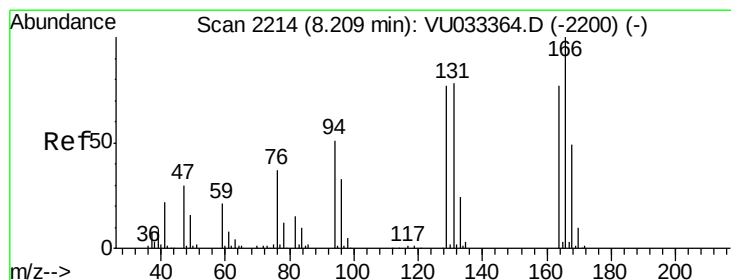
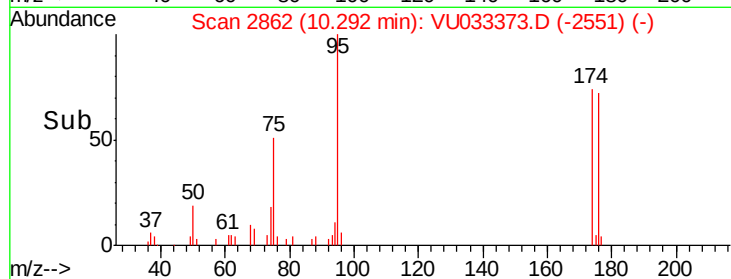
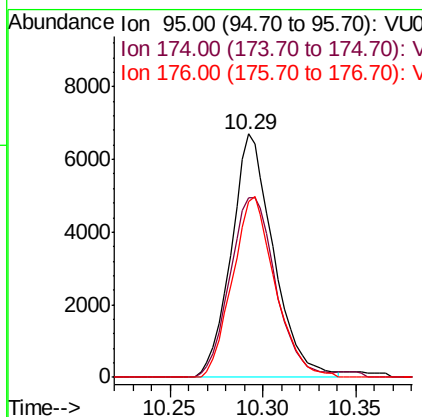
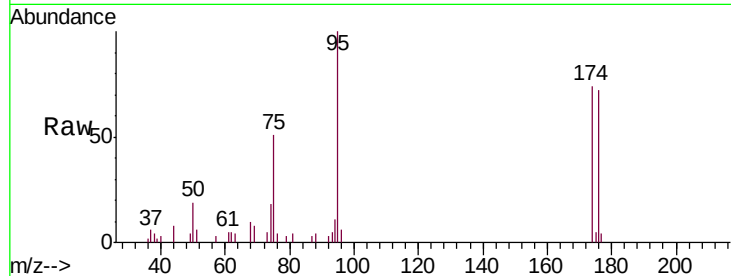




#57
4-Bromofluorobenzene
Concen: 0.969 ug/l
RT: 10.29 min Scan# 2862
Delta R.T. -0.00 min
Lab File: VU033373.D
Acq: 23 Jul 2019 11:27

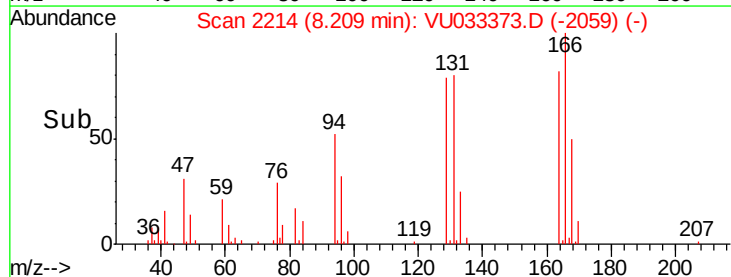
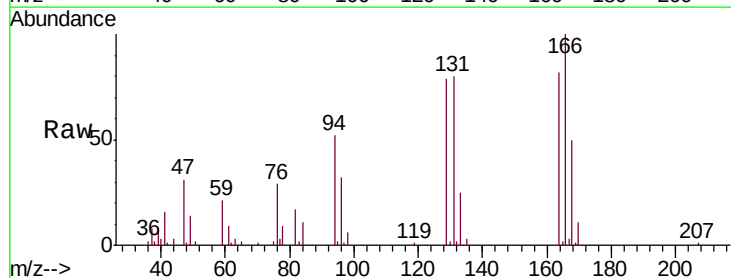
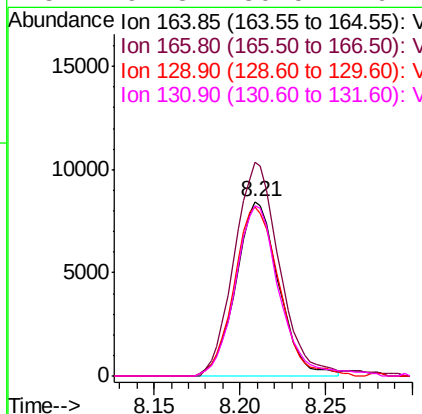
Instrument :
MSVOA_U
ClientSampleId :
VU0723WBS01

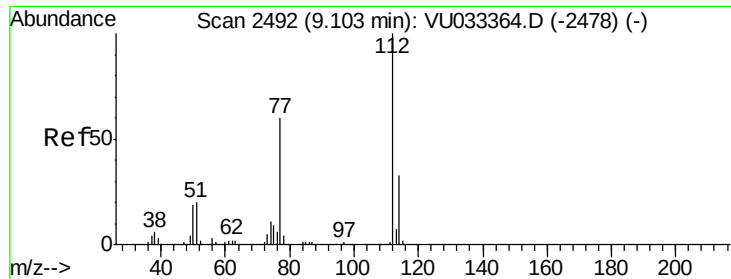
Tgt Ion: 95 Resp: 10589
Ion Ratio Lower Upper
95 100
174 80.1 58.8 88.2
176 75.0 54.4 81.6



#58
Tetrachloroethene
Concen: 1.842 ug/l
RT: 8.21 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VU033373.D
Acq: 23 Jul 2019 11:27

Tgt Ion: 164 Resp: 14661
Ion Ratio Lower Upper
164 100
166 122.3 103.8 155.6
129 96.8 79.7 119.5
131 97.3 80.5 120.7

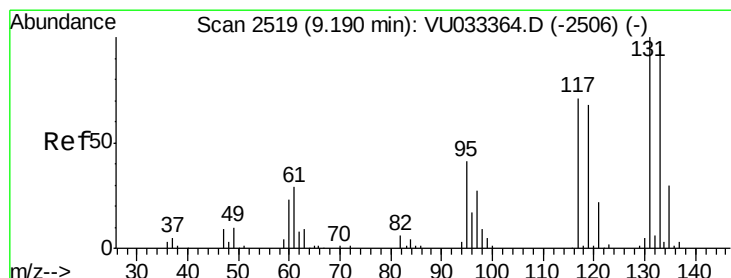
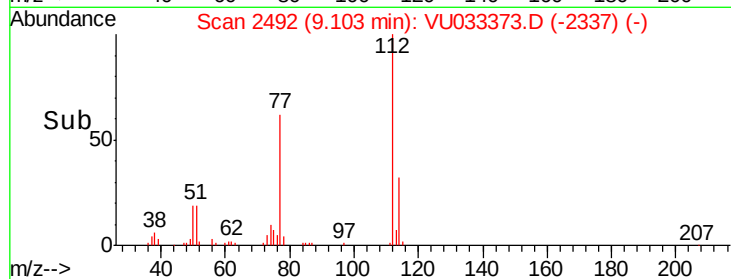
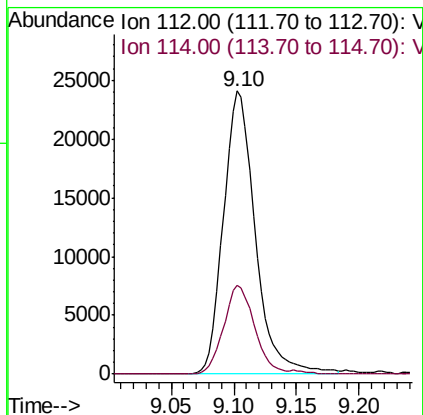
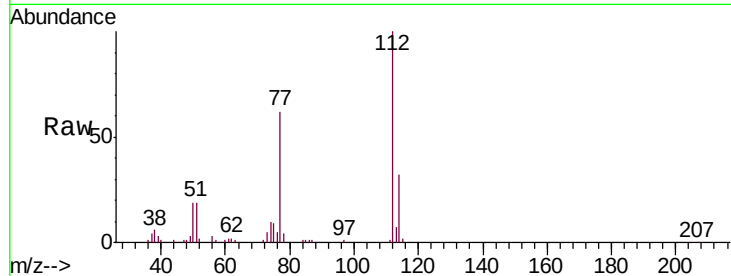




#59
Chlorobenzene
Concen: 1.948 ug/l
RT: 9.10 min Scan# 2492
Delta R.T. -0.00 min
Lab File: VU033373.D
Acq: 23 Jul 2019 11:27

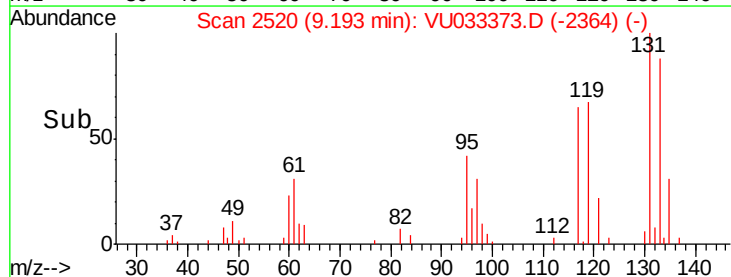
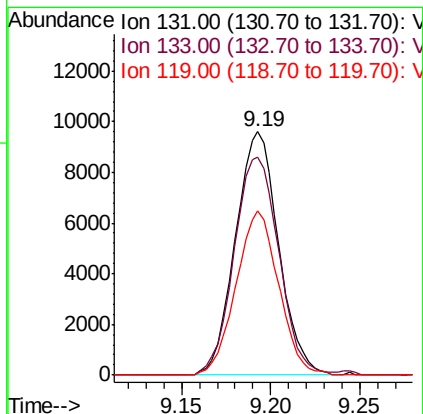
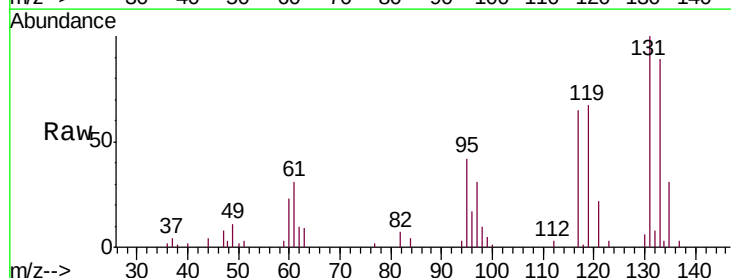
Instrument :
MSVOA_U
ClientSampleId :
VU0723WBS01

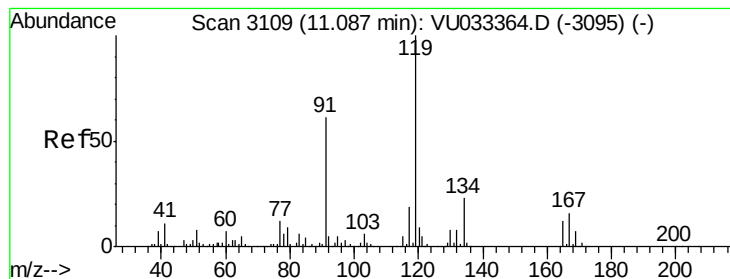
Tgt Ion:112 Resp: 42548
Ion Ratio Lower Upper
112 100
114 31.5 26.4 39.6



#60
1,1,1,2-Tetrachloroethane
Concen: 1.951 ug/l
RT: 9.19 min Scan# 2520
Delta R.T. 0.00 min
Lab File: VU033373.D
Acq: 23 Jul 2019 11:27

Tgt Ion:131 Resp: 16184
Ion Ratio Lower Upper
131 100
133 93.3 76.2 114.4
119 66.8 54.9 82.3





#61

Pentachloroethane

Concen: 1.930 ug/l

RT: 11.09 min Scan# 3109

Delta R.T. -0.00 min

Lab File: VU033373.D

Acq: 23 Jul 2019 11:27

Instrument :

MSVOA_U

ClientSampleId :

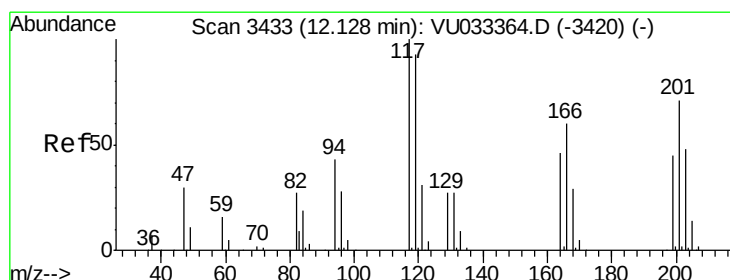
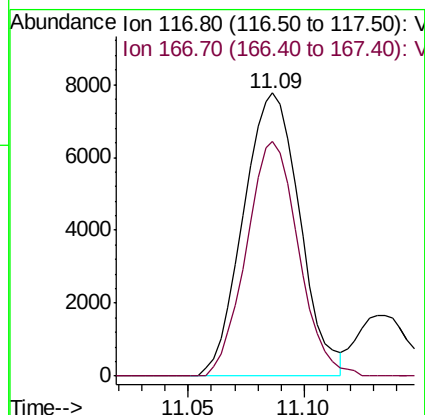
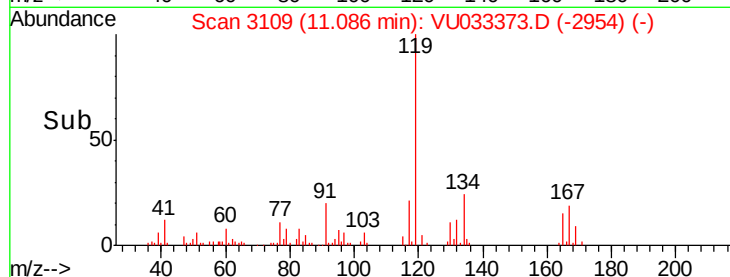
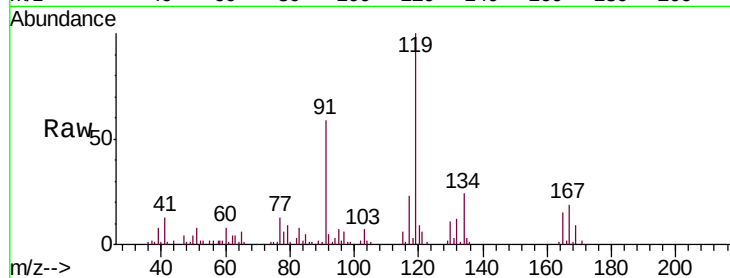
VU0723WBS01

Tgt Ion:117 Resp: 13143

Ion Ratio Lower Upper

117 100

167 76.7 63.4 95.0



#62

Hexachloroethane

Concen: 1.931 ug/l

RT: 12.13 min Scan# 3434

Delta R.T. 0.00 min

Lab File: VU033373.D

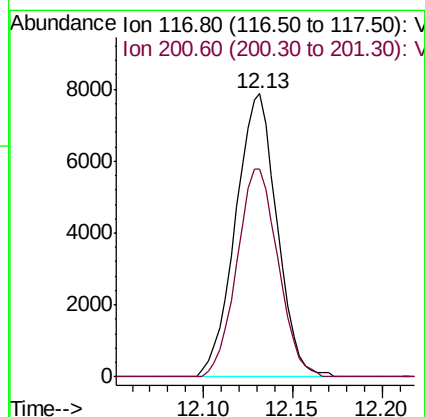
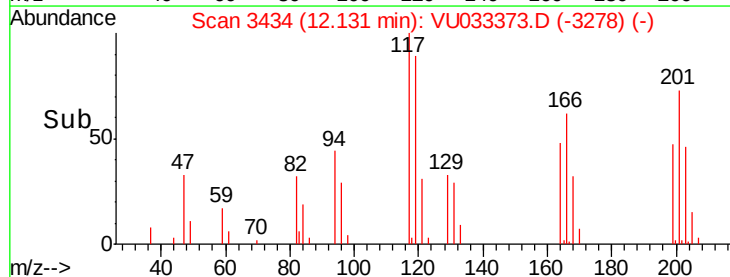
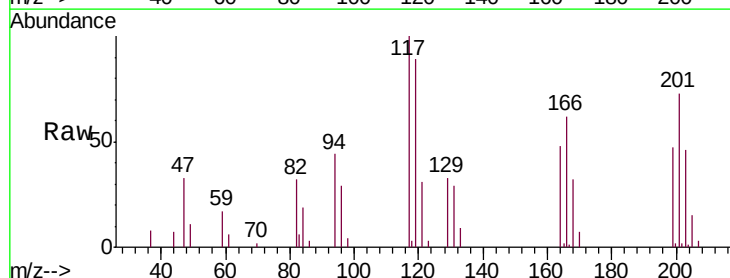
Acq: 23 Jul 2019 11:27

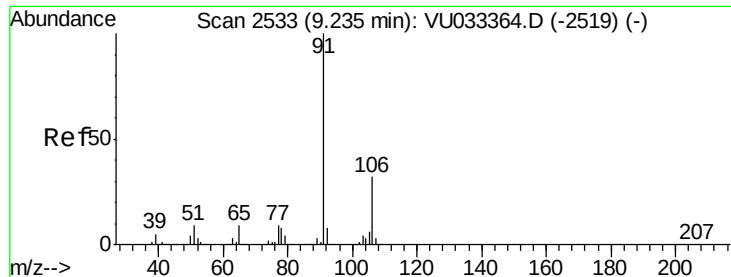
Tgt Ion:117 Resp: 12723

Ion Ratio Lower Upper

117 100

201 73.0 57.9 86.9





#63

Ethyl Benzene

Concen: 1.853 ug/l

RT: 9.23 min Scan# 2533

Delta R.T. -0.00 min

Lab File: VU033373.D

Acq: 23 Jul 2019 11:27

Instrument :

MSVOA_U

ClientSampleId :

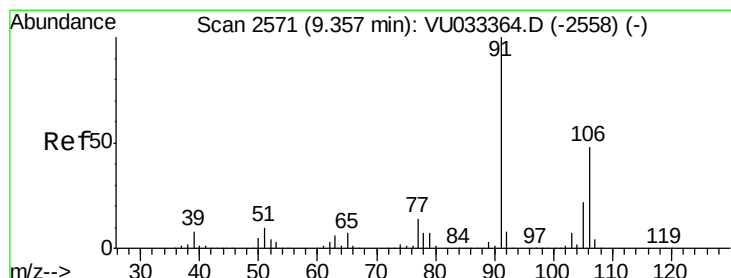
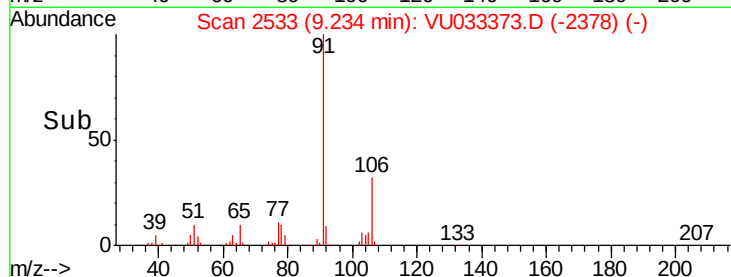
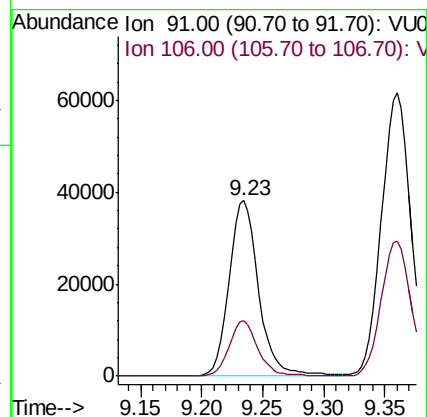
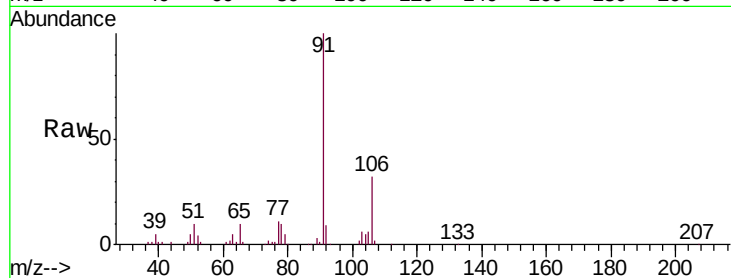
VU0723WBS01

Tgt Ion: 91 Resp: 65007

Ion Ratio Lower Upper

91 100

106 31.7 25.4 38.2



#64

m/p-Xylenes

Concen: 3.564 ug/l

RT: 9.36 min Scan# 2572

Delta R.T. 0.00 min

Lab File: VU033373.D

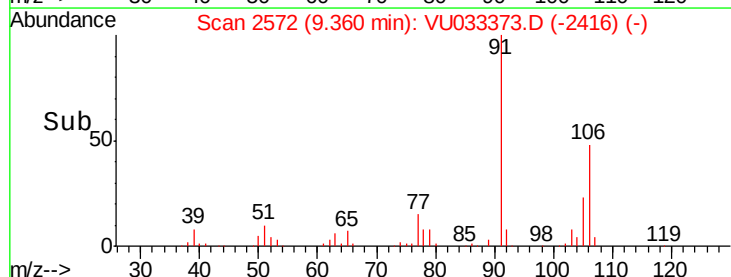
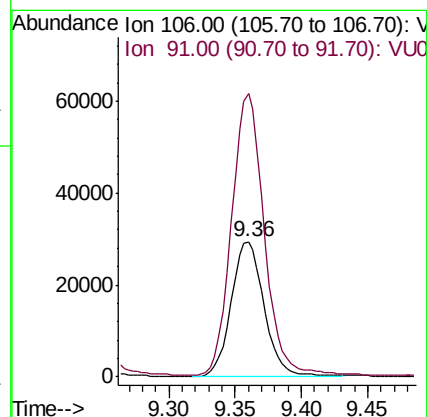
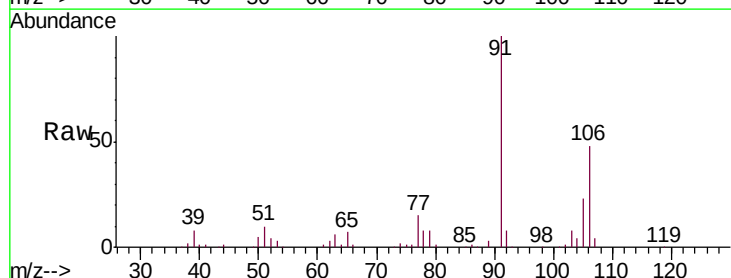
Acq: 23 Jul 2019 11:27

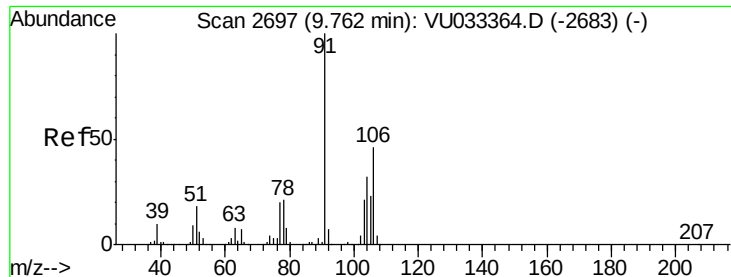
Tgt Ion: 106 Resp: 49984

Ion Ratio Lower Upper

106 100

91 210.8 167.1 250.7





#65

o-Xylene

Concen: 1.864 ug/l

RT: 9.76 min Scan# 2698

Delta R.T. 0.00 min

Lab File: VU033373.D

Acq: 23 Jul 2019 11:27

Instrument :

MSVOA_U

ClientSampleId :

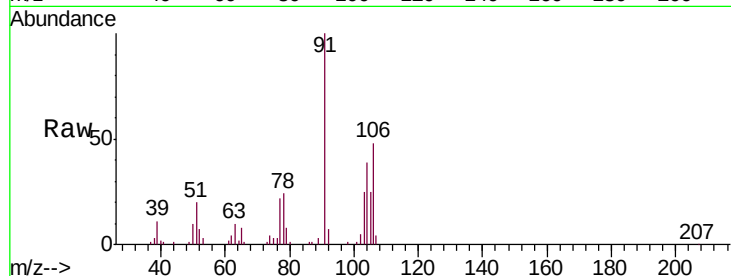
VU0723WBS01

Tgt Ion:106 Resp: 25055

Ion Ratio Lower Upper

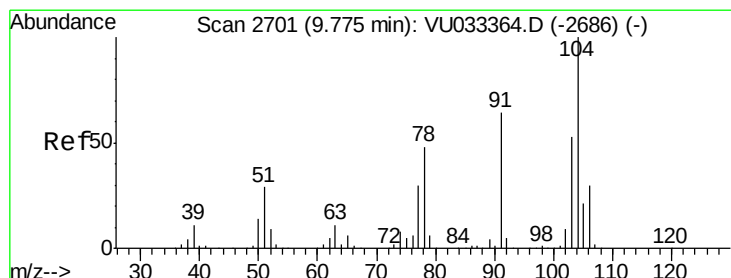
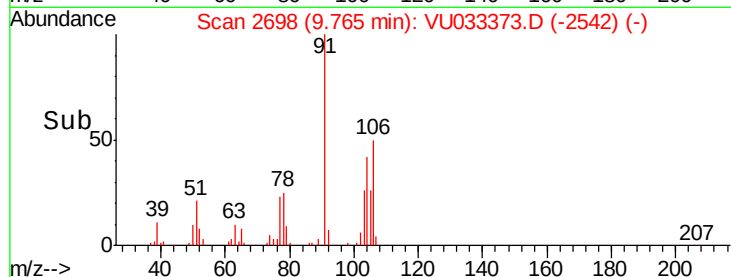
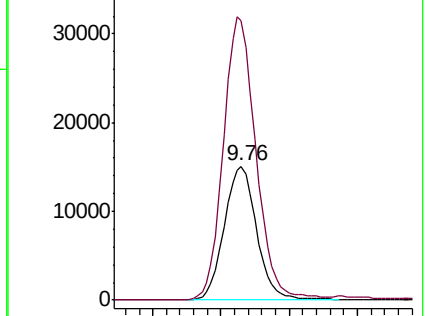
106 100

91 211.7 108.5 325.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#66

Styrene

Concen: 1.829 ug/l

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VU033373.D

Acq: 23 Jul 2019 11:27

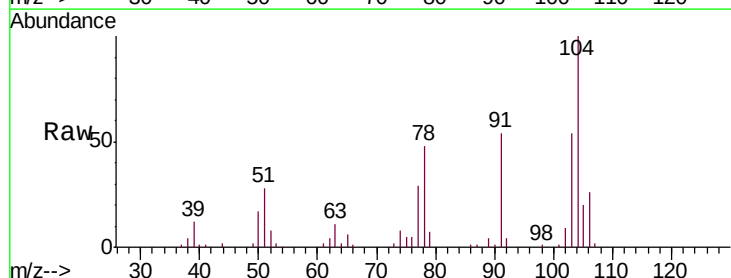
Tgt Ion:104 Resp: 41699

Ion Ratio Lower Upper

104 100

78 54.0 41.2 61.8

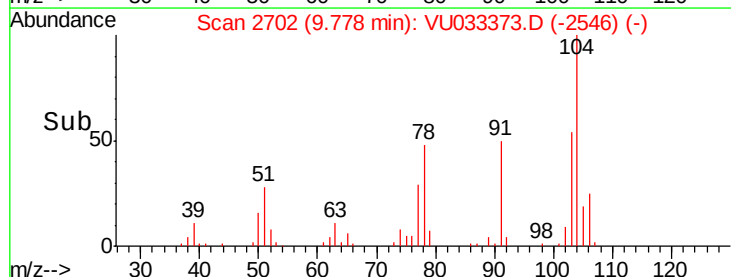
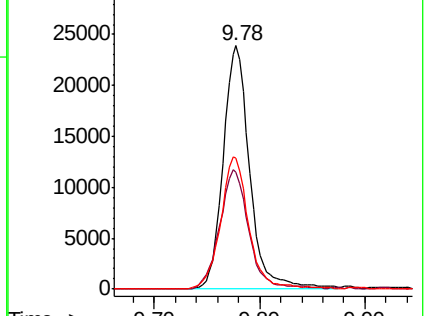
103 57.1 44.7 67.1

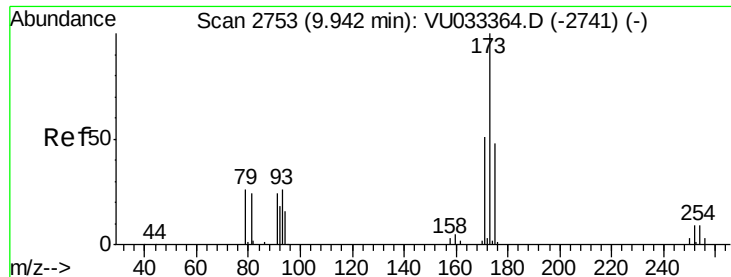


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

Ion 103.00 (102.70 to 103.70): V





#67

Bromoform

Concen: 1.930 ug/l

RT: 9.94 min Scan# 2753

Delta R.T. -0.00 min

Lab File: VU033373.D

Acq: 23 Jul 2019 11:27

Instrument :

MSVOA_U

ClientSampleId :

VU0723WBS01

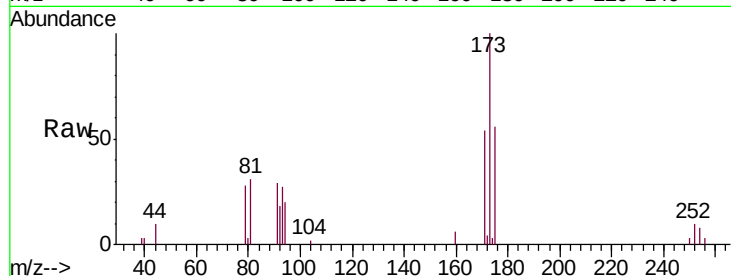
Tgt Ion:173 Resp: 8285

Ion Ratio Lower Upper

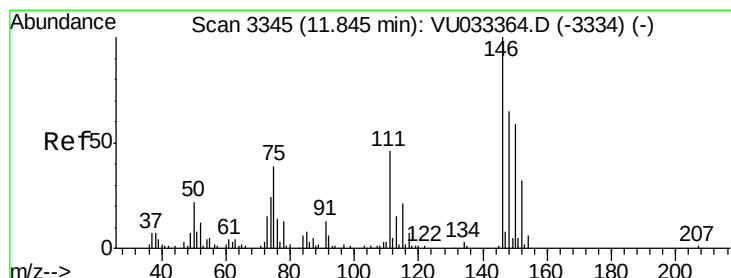
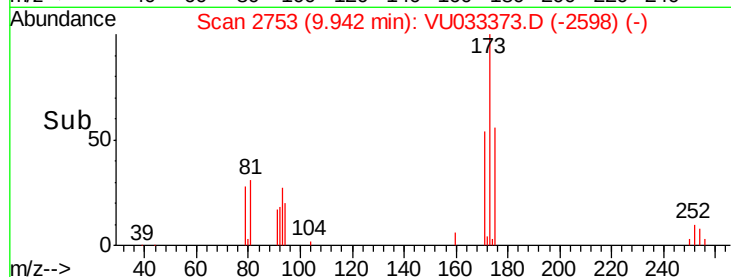
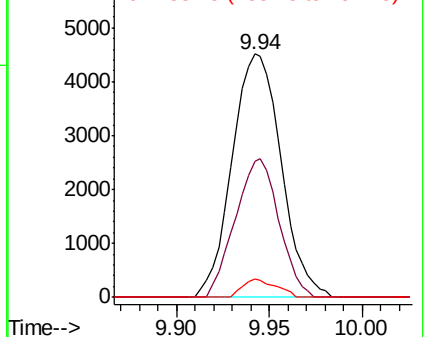
173 100

175 50.6 38.6 58.0

254 5.1 6.8 10.2#



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: 1.031 ug/l

RT: 11.85 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VU033373.D

Acq: 23 Jul 2019 11:27

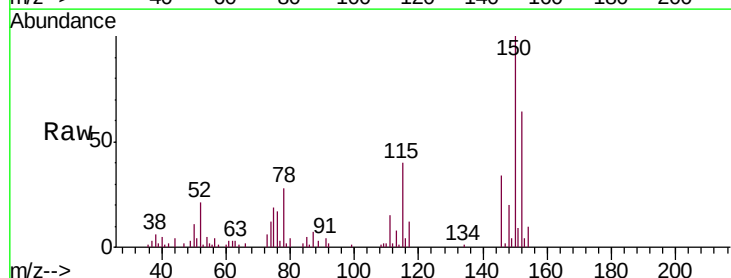
Tgt Ion:152 Resp: 11634

Ion Ratio Lower Upper

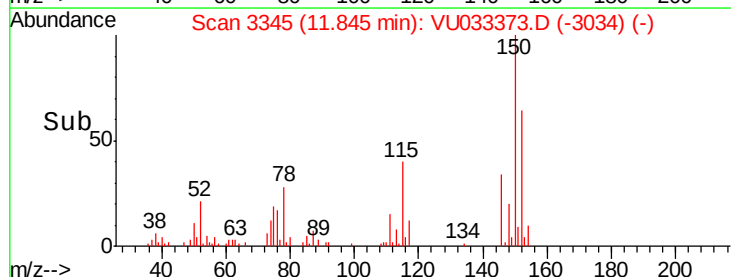
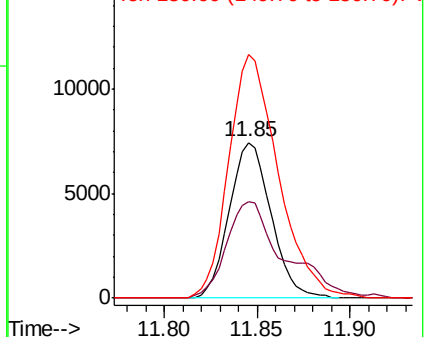
152 100

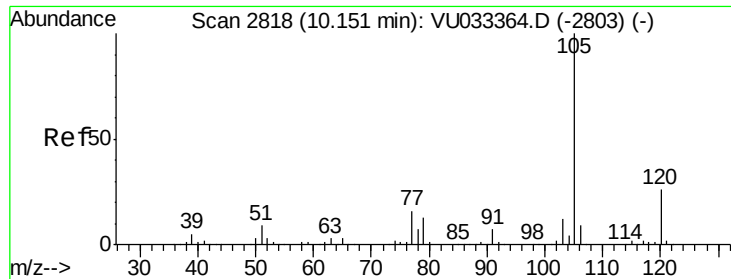
115 85.4 0.0 123.2

150 186.2 0.0 648.4



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: 1.824 ug/l

RT: 10.15 min Scan# 2818

Delta R.T. -0.00 min

Lab File: VU033373.D

Acq: 23 Jul 2019 11:27

Instrument :

MSVOA_U

ClientSampleId :

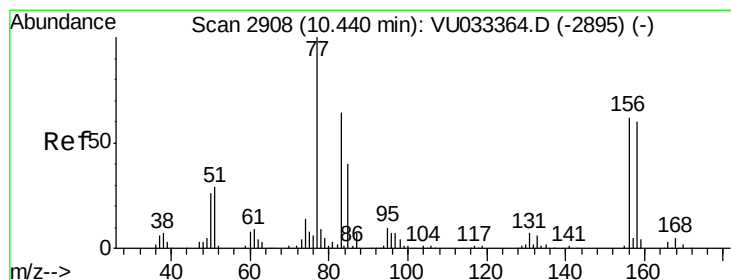
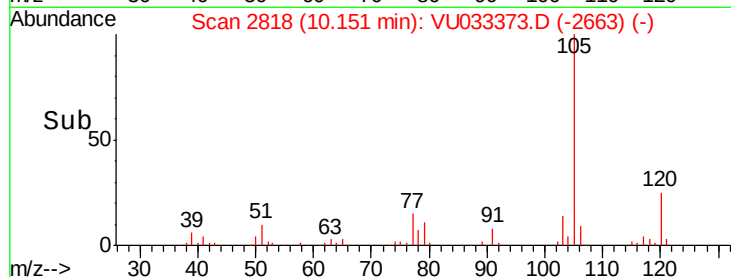
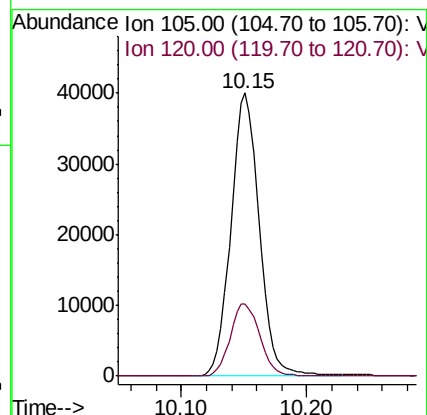
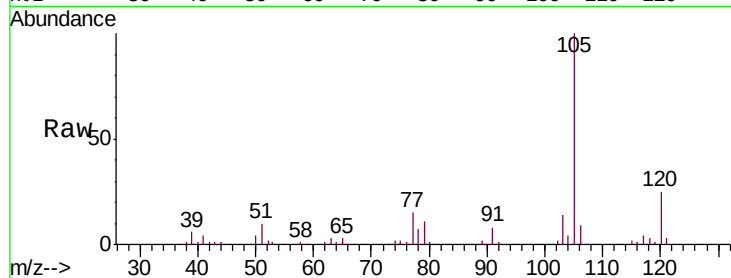
VU0723WBS01

Tgt Ion:105 Resp: 62859

Ion Ratio Lower Upper

105 100

120 26.6 13.4 40.1



#70

1,1,2,2-Tetrachloroethane

Concen: 1.862 ug/l

RT: 10.44 min Scan# 2909

Delta R.T. 0.00 min

Lab File: VU033373.D

Acq: 23 Jul 2019 11:27

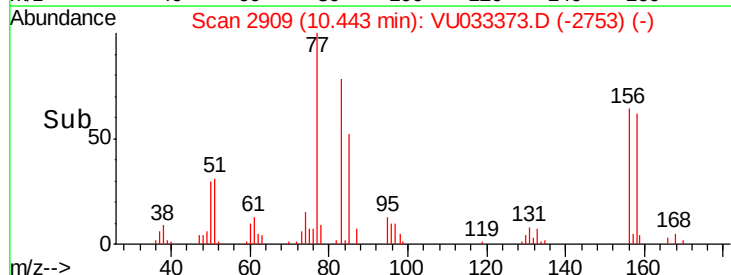
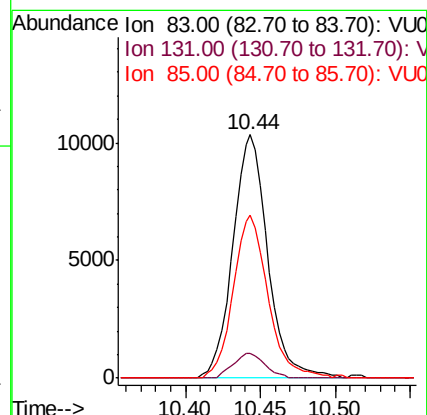
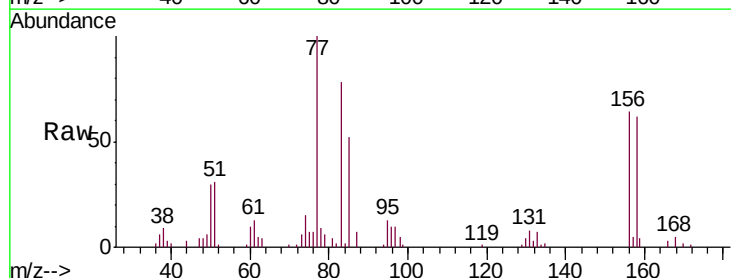
Tgt Ion: 83 Resp: 16755

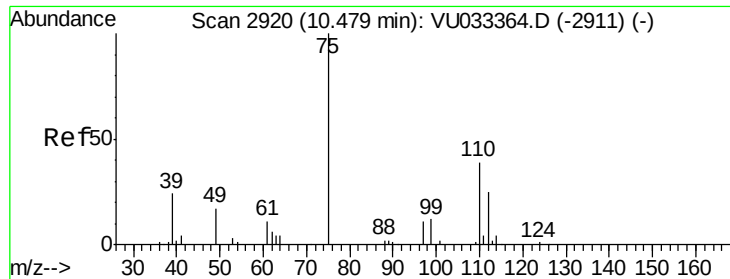
Ion Ratio Lower Upper

83 100

131 9.1 8.0 12.0

85 66.6 51.8 77.8

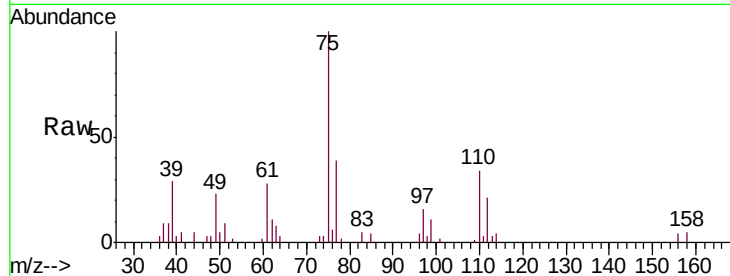




#71
 1,2,3-Trichloropropane
 Concen: 1.640 ug/l
 RT: 10.48 min Scan# 2920
 Delta R.T. -0.00 min
 Lab File: VU033373.D
 Acq: 23 Jul 2019 11:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0723WBS01

Tgt Ion:	75	Resp:	11391
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	18.2
110	38.1	0.0	71.4
97	15.6	0.0	37.8



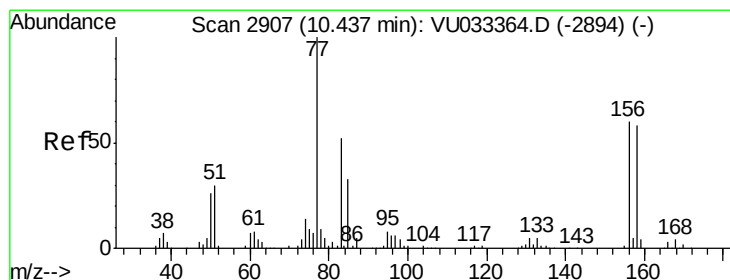
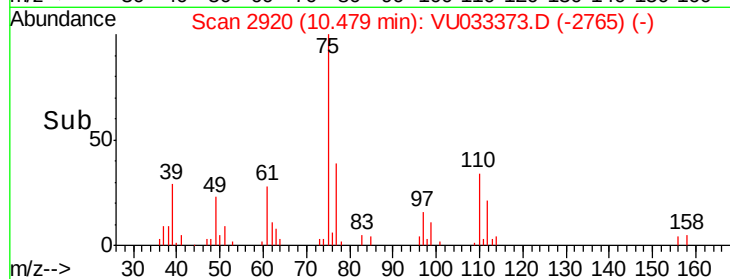
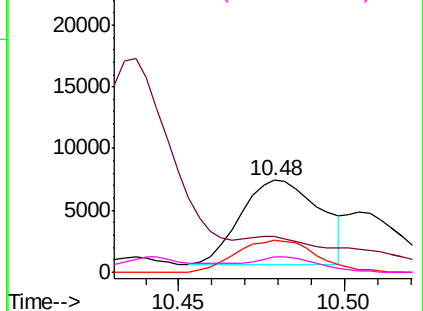
Abundance

Ion 75.00 (74.70 to 75.70): VU033373.D (-2765) (-)

Ion 77.00 (76.70 to 77.70): VU033373.D (-2765) (-)

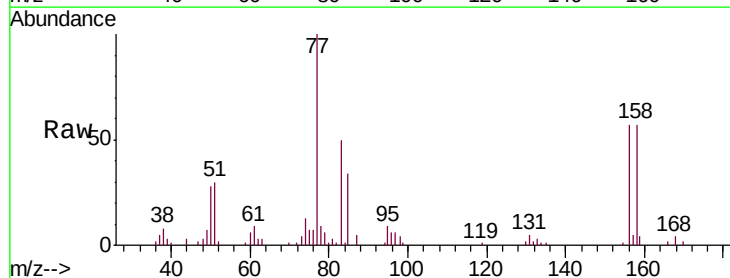
Ion 110.00 (109.70 to 110.70): VU033373.D (-2765) (-)

Ion 97.00 (96.70 to 97.70): VU033373.D (-2765) (-)



#72
 Bromobenzene
 Concen: 1.899 ug/l
 RT: 10.44 min Scan# 2907
 Delta R.T. -0.00 min
 Lab File: VU033373.D
 Acq: 23 Jul 2019 11:27

Tgt Ion:	156	Resp:	17284
Ion	Ratio	Lower	Upper
156	100		
77	165.8	0.0	324.4
158	97.7	0.0	192.4

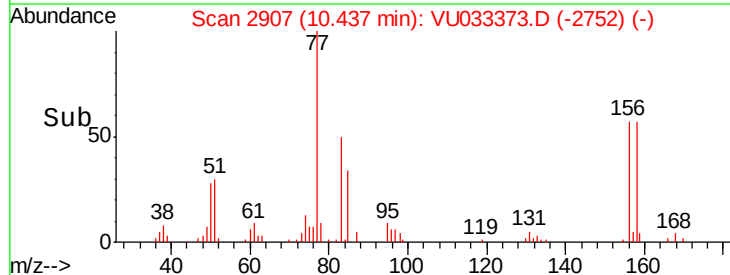
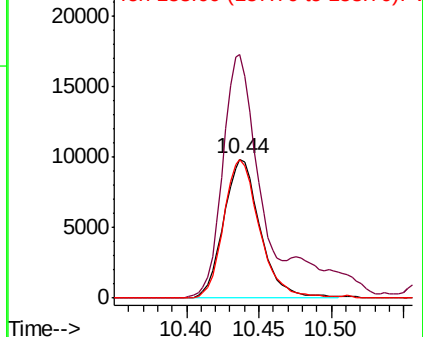


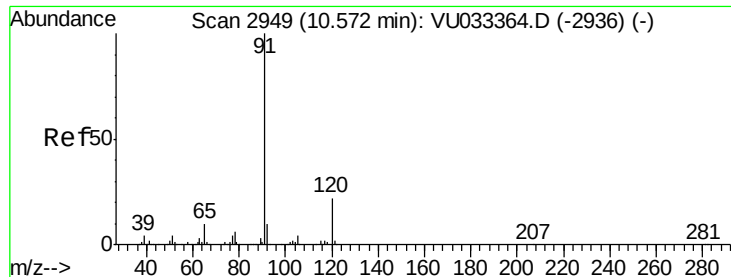
Abundance

Ion 156.00 (155.70 to 156.70): VU033373.D (-2752) (-)

Ion 77.00 (76.70 to 77.70): VU033373.D (-2752) (-)

Ion 158.00 (157.70 to 158.70): VU033373.D (-2752) (-)





#73

n-propylbenzene

Concen: 1.824 ug/l

RT: 10.57 min Scan# 2949

Delta R.T. -0.00 min

Lab File: VU033373.D

Acq: 23 Jul 2019 11:27

Instrument :

MSVOA_U

ClientSampleId :

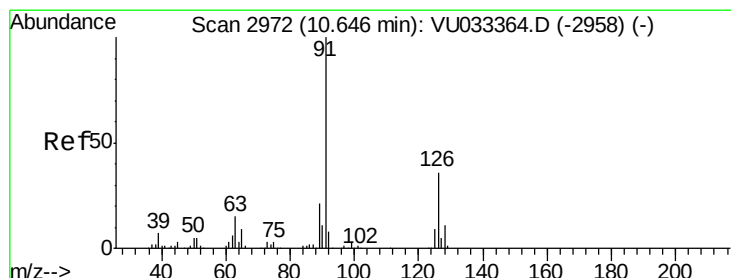
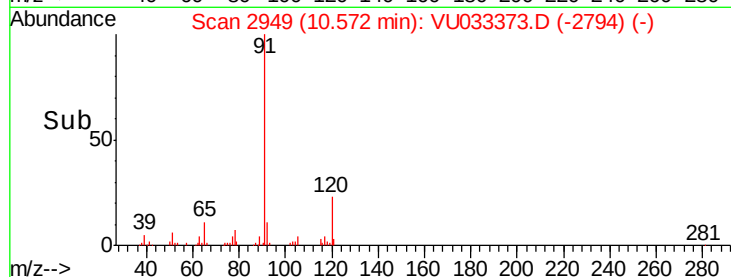
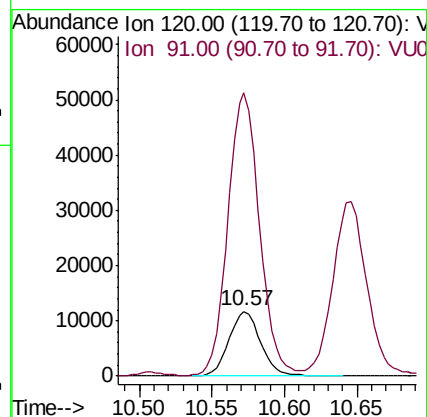
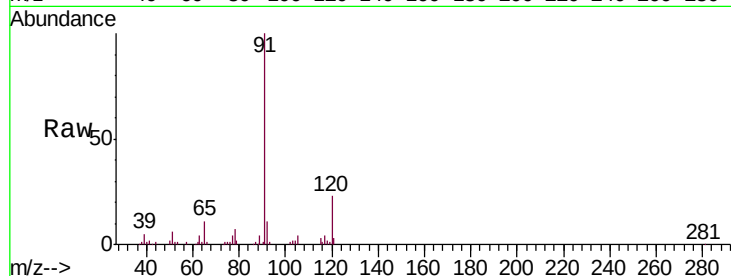
VU0723WBS01

Tgt Ion:120 Resp: 17917

Ion Ratio Lower Upper

120 100

91 430.3 355.1 532.7



#74

2-Chlorotoluene

Concen: 1.913 ug/l

RT: 10.64 min Scan# 2971

Delta R.T. -0.00 min

Lab File: VU033373.D

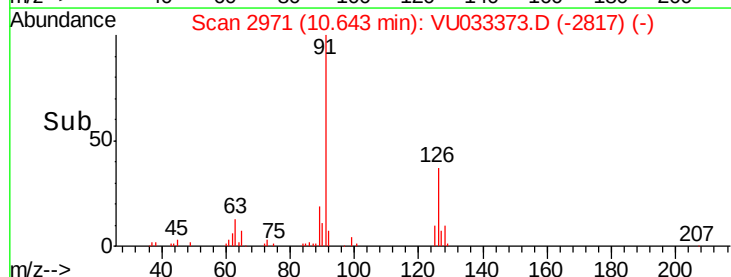
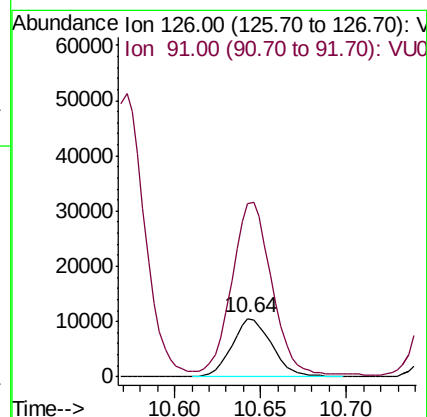
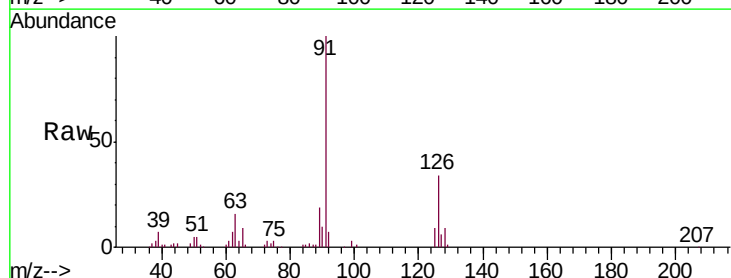
Acq: 23 Jul 2019 11:27

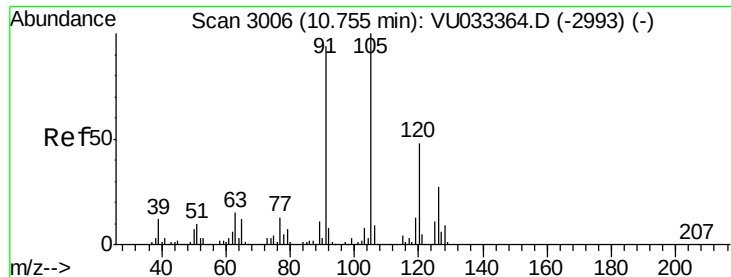
Tgt Ion:126 Resp: 17157

Ion Ratio Lower Upper

126 100

91 291.3 0.0 598.0





#75

1,3,5-Trimethylbenzene

Concen: 1.858 ug/l

RT: 10.76 min Scan# 3007

Delta R.T. 0.00 min

Lab File: VU033373.D

Acq: 23 Jul 2019 11:27

Instrument :

MSVOA_U

ClientSampleId :

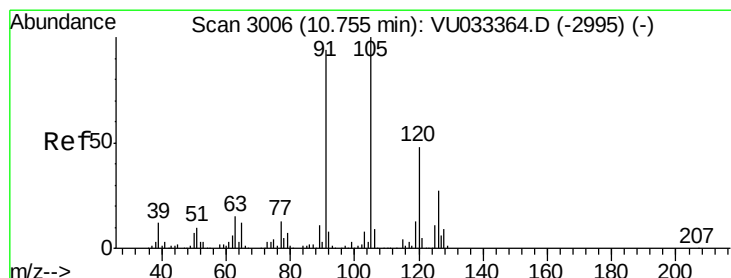
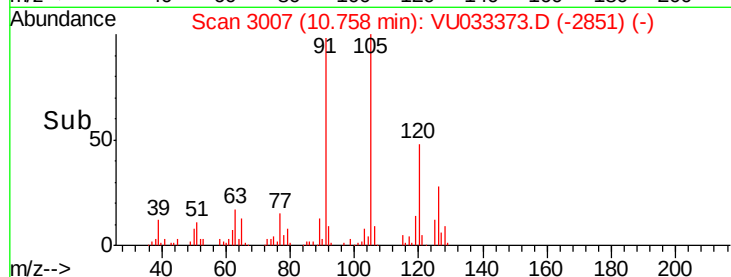
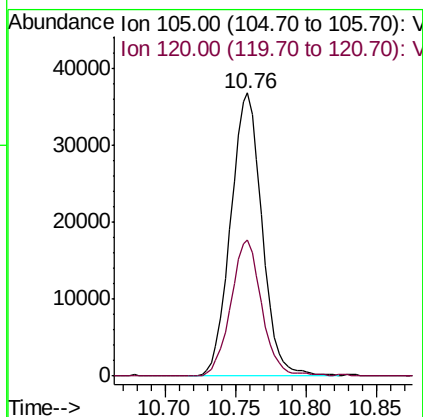
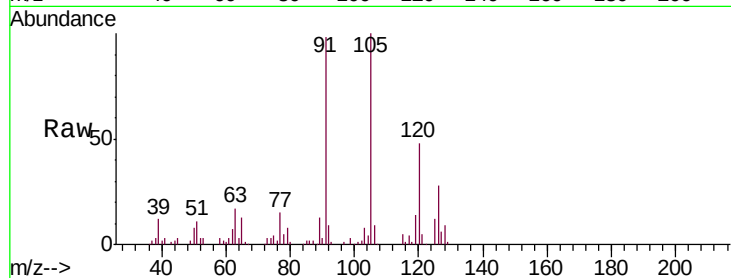
VU0723WBS01

Tgt Ion:105 Resp: 57479

Ion Ratio Lower Upper

105 100

120 47.5 38.2 57.4



#76

4-Chlorotoluene

Concen: 1.856 ug/l

RT: 10.76 min Scan# 3006

Delta R.T. -0.00 min

Lab File: VU033373.D

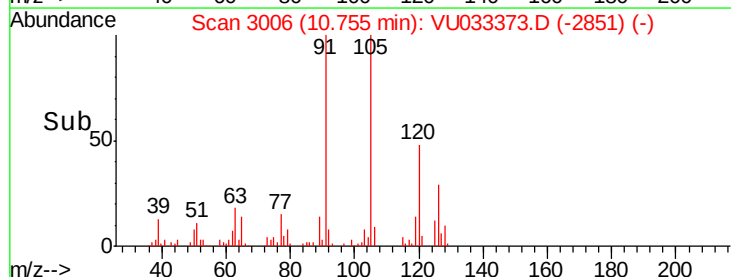
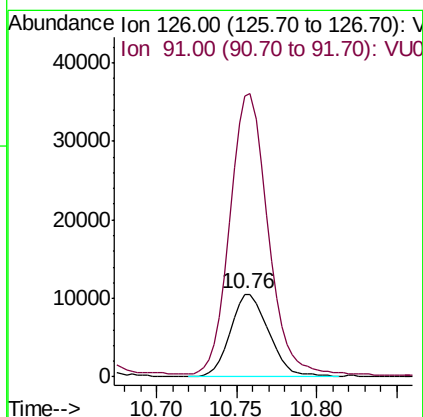
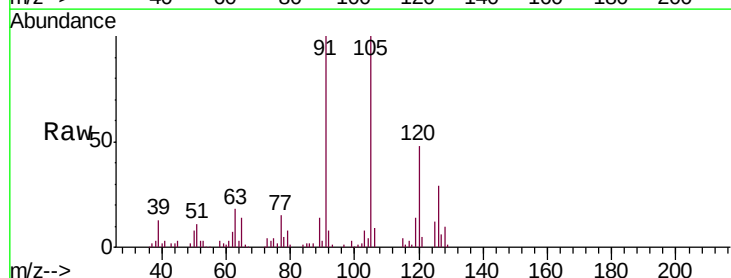
Acq: 23 Jul 2019 11:27

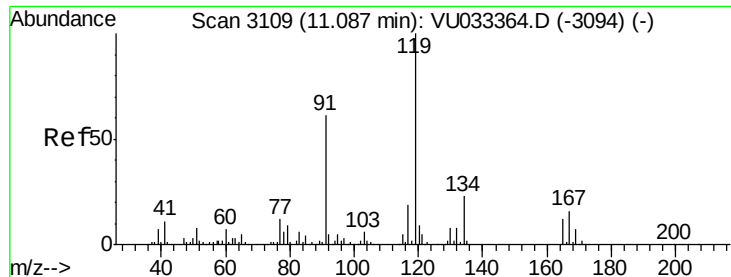
Tgt Ion:126 Resp: 17346

Ion Ratio Lower Upper

126 100

91 331.6 0.0 681.0





#77

tert-Butylbenzene

Concen: 1.868 ug/l

RT: 11.08 min Scan# 3108

Delta R.T. -0.00 min

Lab File: VU033373.D

Acq: 23 Jul 2019 11:27

Instrument :

MSVOA_U

ClientSampleId :

VU0723WBS01

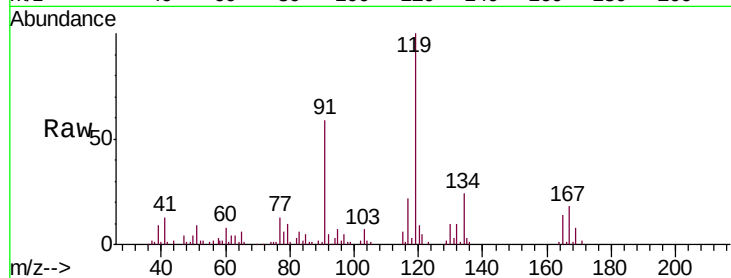
Tgt Ion:119 Resp: 54761

Ion Ratio Lower Upper

119 100

91 58.9 30.4 91.3

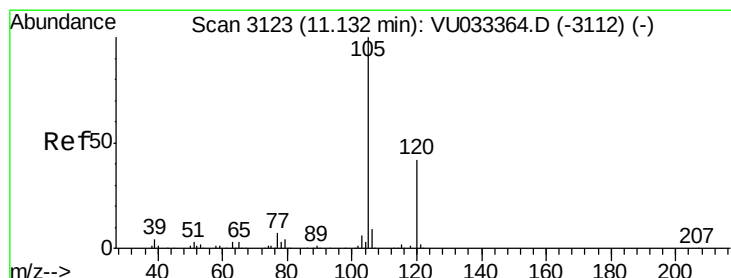
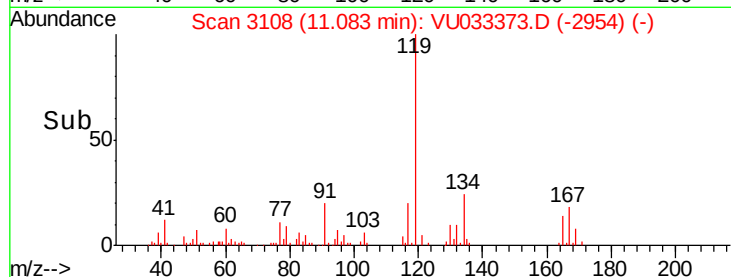
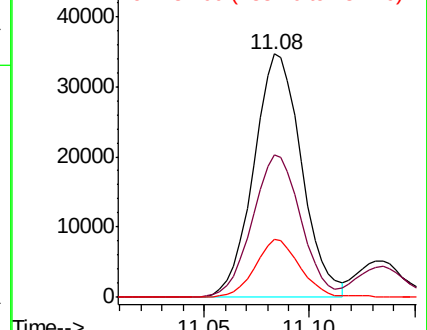
134 22.1 18.5 27.7



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: 1.810 ug/l

RT: 11.13 min Scan# 3124

Delta R.T. 0.00 min

Lab File: VU033373.D

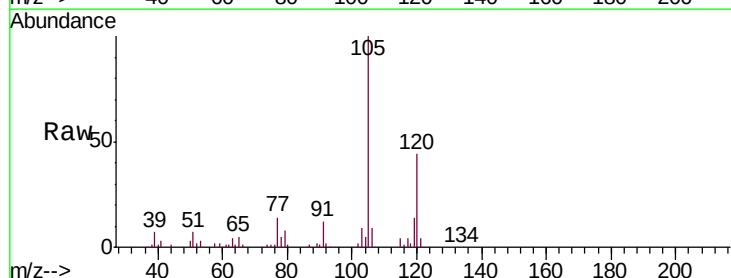
Acq: 23 Jul 2019 11:27

Tgt Ion:105 Resp: 57250

Ion Ratio Lower Upper

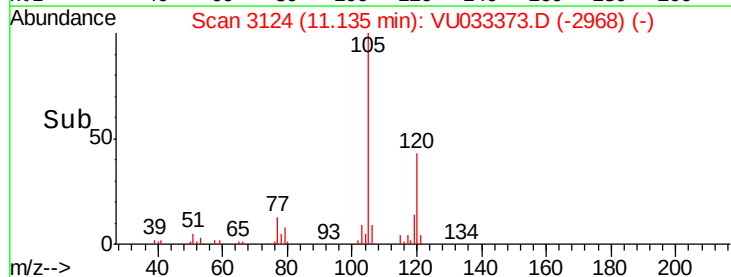
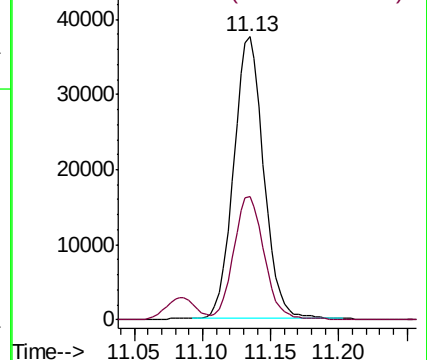
105 100

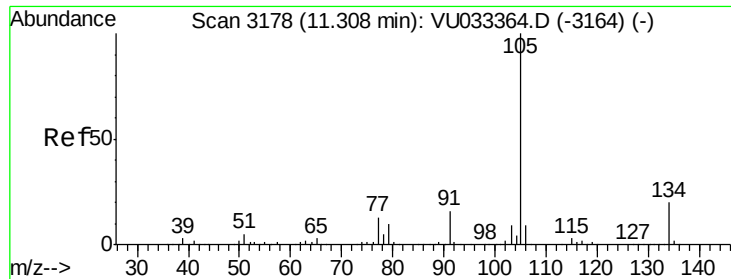
120 44.9 22.5 67.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#79

sec-Butylbenzene

Concen: 1.848 ug/l

RT: 11.31 min Scan# 3178

Delta R.T. -0.00 min

Lab File: VU033373.D

Acq: 23 Jul 2019 11:27

Instrument :

MSVOA_U

ClientSampleId :

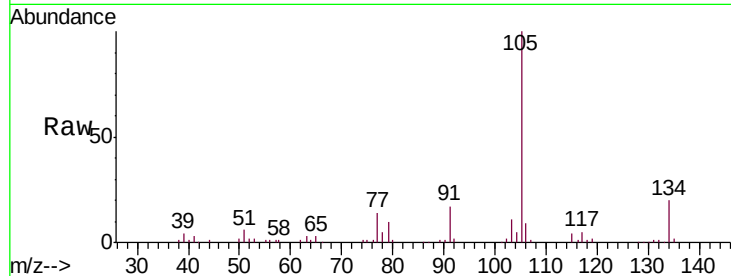
VU0723WBS01

Tgt Ion: 105 Resp: 74574

Ion Ratio Lower Upper

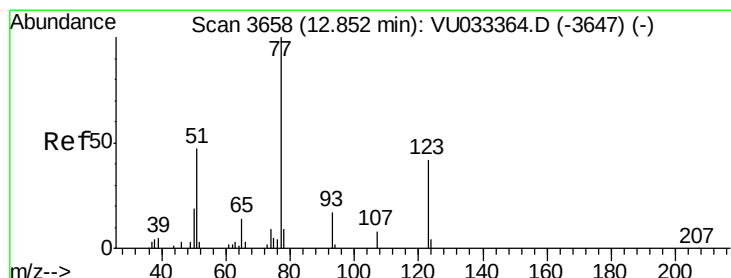
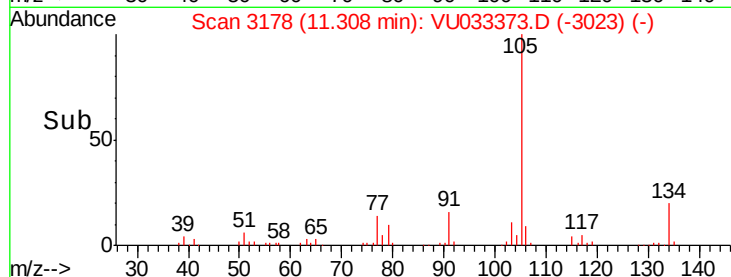
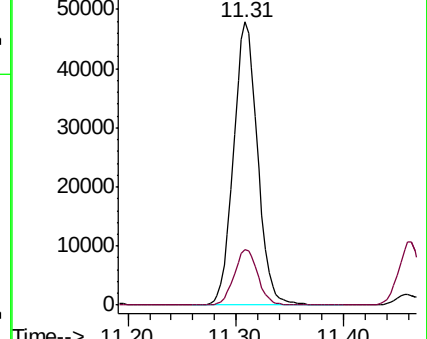
105 100

134 19.3 15.5 23.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#80

Nitrobenzene

Concen: 3.598 ug/l

RT: 12.87 min Scan# 3663

Delta R.T. 0.02 min

Lab File: VU033373.D

Acq: 23 Jul 2019 11:27

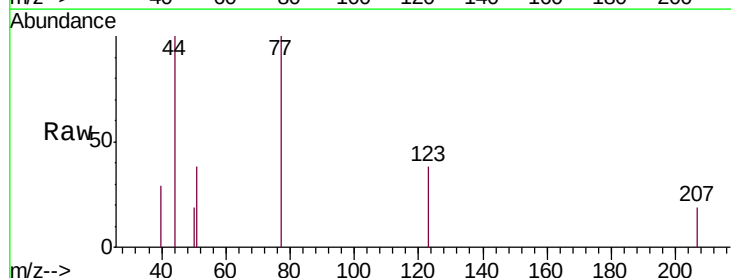
Tgt Ion: 77 Resp: 1346

Ion Ratio Lower Upper

77 100

123 31.0 19.3 68.3

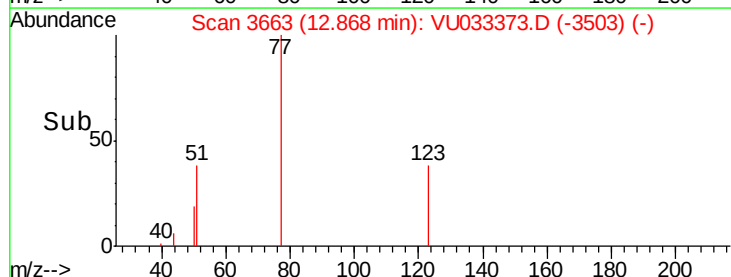
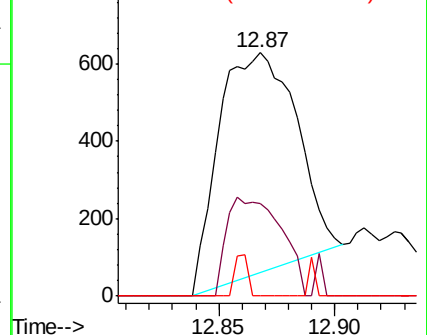
65 3.0 10.1 12.9#

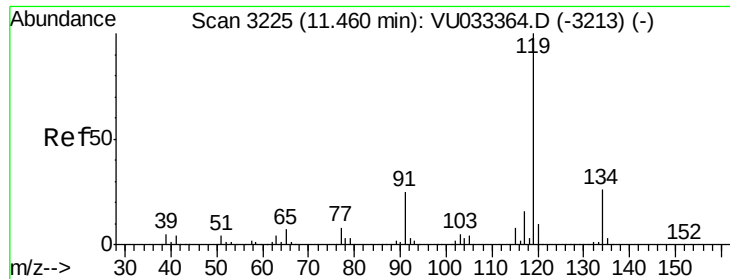


Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0

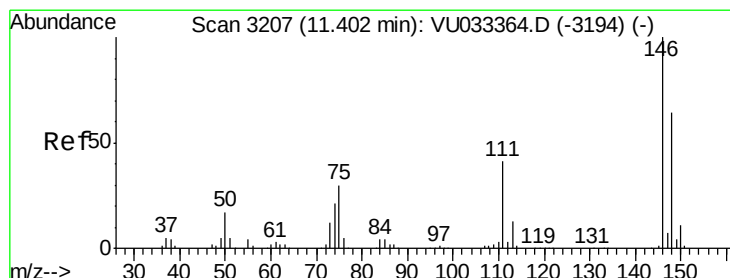
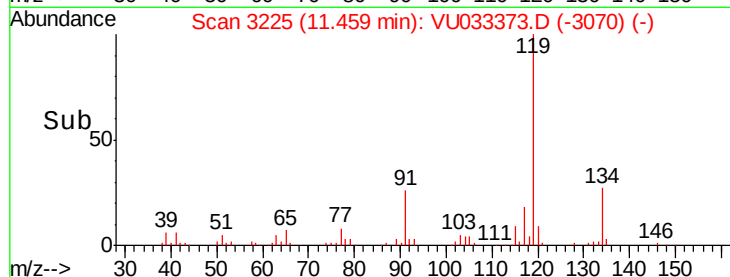
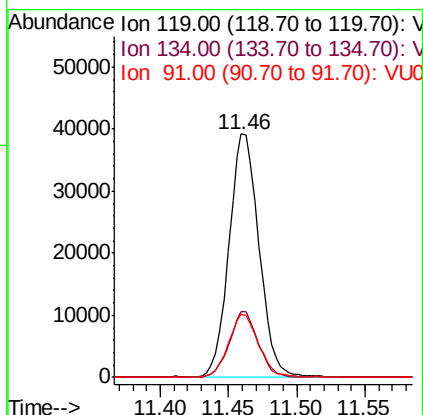
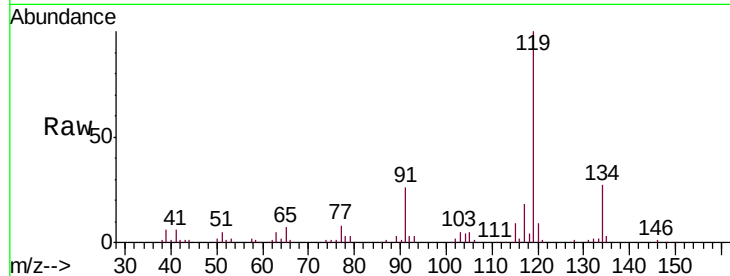




#81
 p-Isopropyltoluene
 Concen: 1.831 ug/l
 RT: 11.46 min Scan# 3225
 Delta R.T. -0.00 min
 Lab File: VU033373.D
 Acq: 23 Jul 2019 11:27

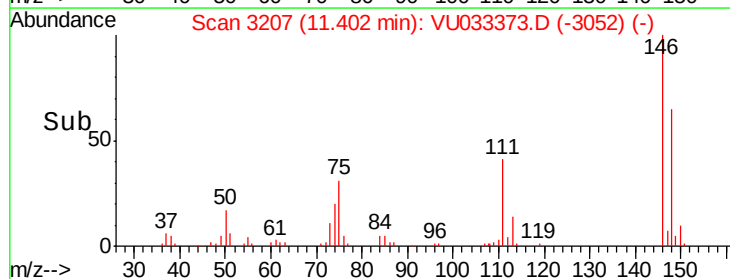
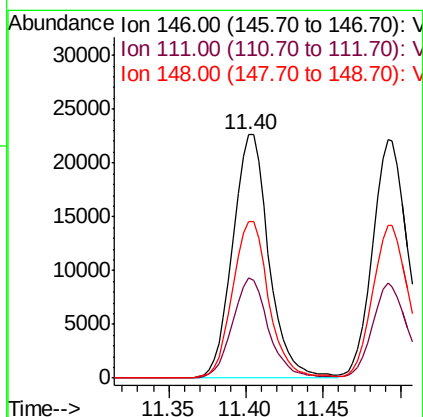
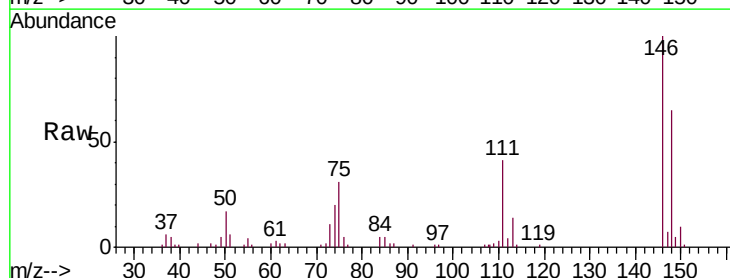
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0723WBS01

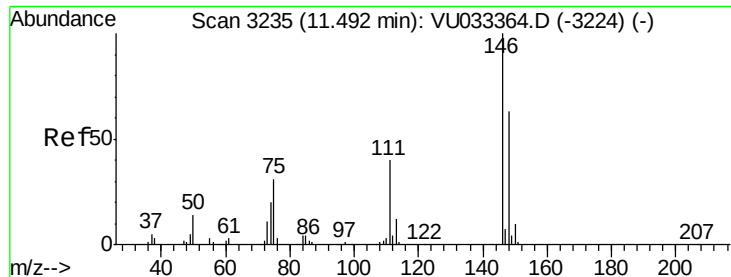
Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.7	21.0	31.4
91	26.0	19.8	29.6



#82
 1,3-Dichlorobenzene
 Concen: 1.898 ug/l
 RT: 11.40 min Scan# 3207
 Delta R.T. -0.00 min
 Lab File: VU033373.D
 Acq: 23 Jul 2019 11:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.1	33.3	49.9
148	65.0	50.8	76.2

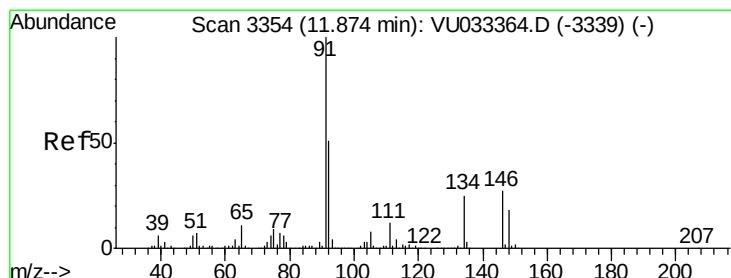
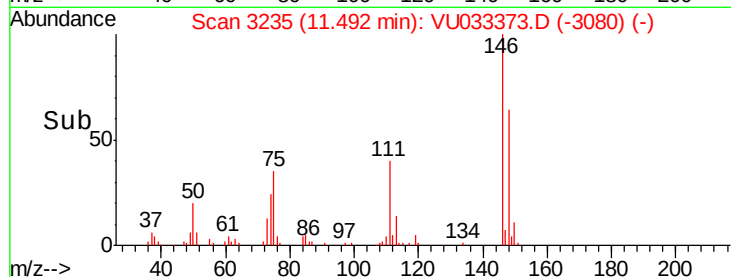
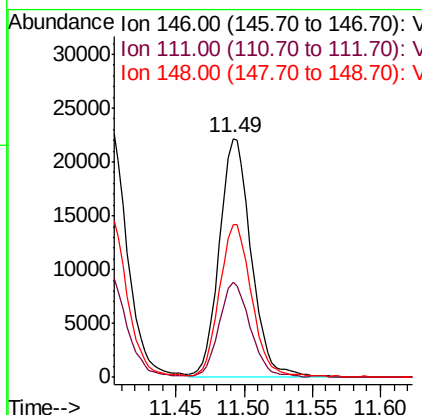
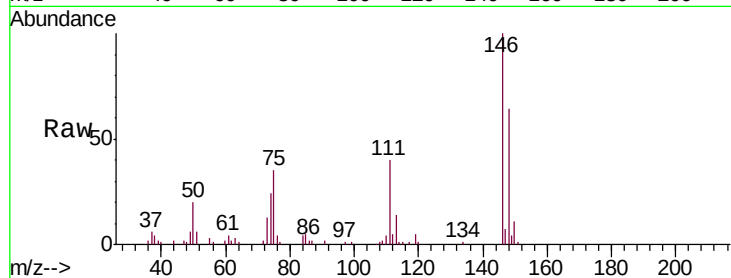




#83
 1,4-Dichlorobenzene
 Concen: 1.890 ug/l
 RT: 11.49 min Scan# 3235
 Delta R.T. -0.00 min
 Lab File: VU033373.D
 Acq: 23 Jul 2019 11:27

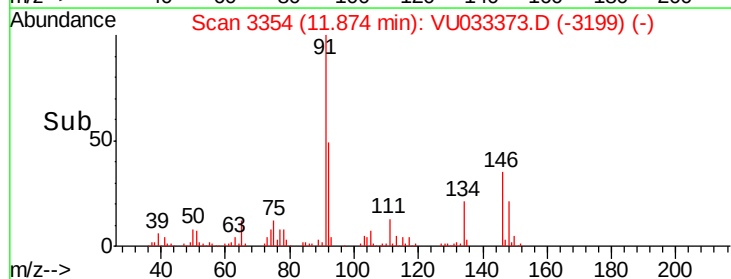
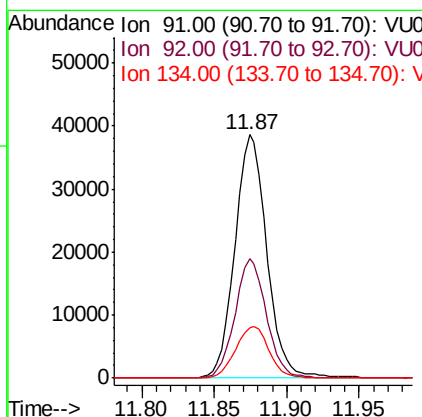
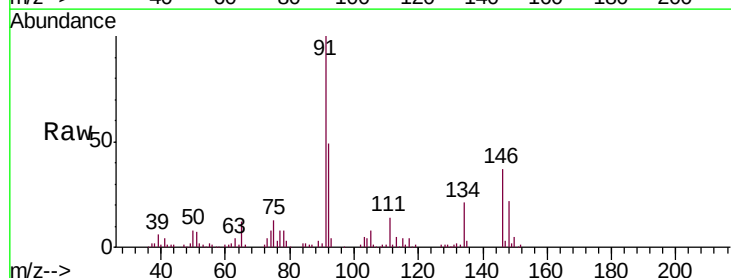
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0723WBS01

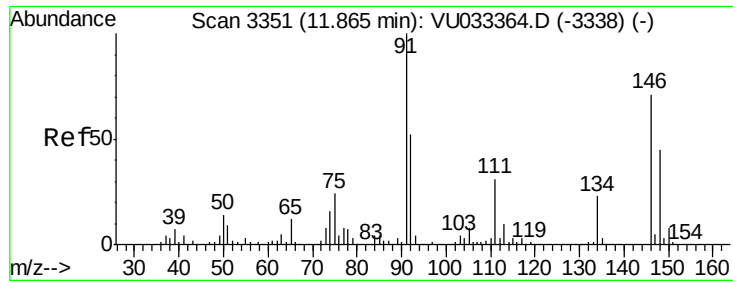
Tgt Ion: 146 Resp: 36175
 Ion Ratio Lower Upper
 146 100
 111 38.9 32.2 48.4
 148 65.0 51.0 76.4



#84
 n-Butylbenzene
 Concen: 1.757 ug/l
 RT: 11.87 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VU033373.D
 Acq: 23 Jul 2019 11:27

Tgt Ion: 91 Resp: 59005
 Ion Ratio Lower Upper
 91 100
 92 48.3 41.0 61.6
 134 22.3 19.5 29.3

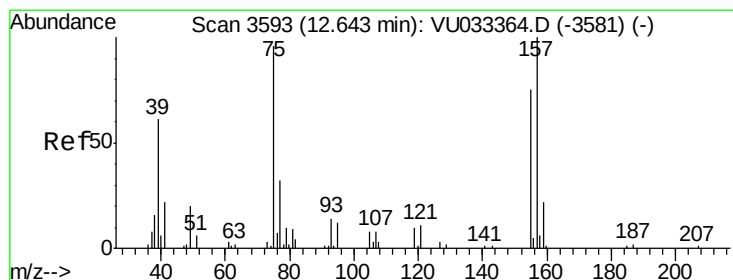
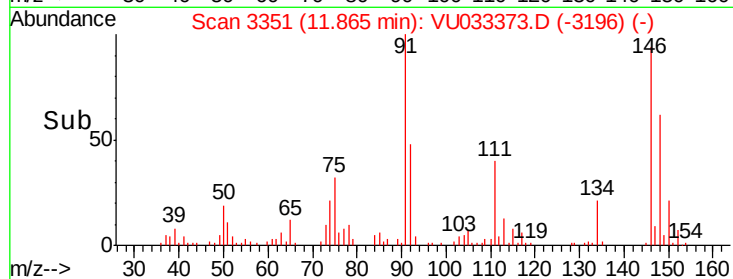
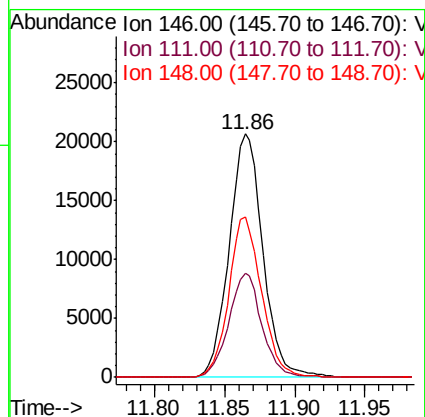
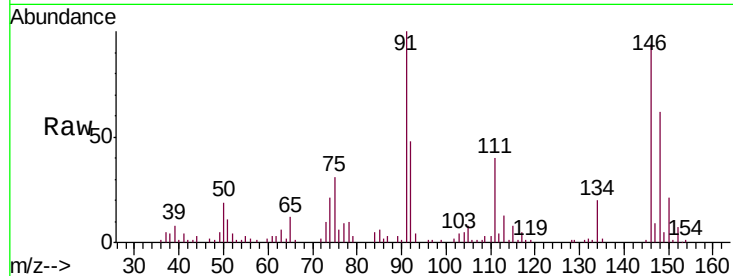




#85
 1,2-Dichlorobenzene
 Concen: 1.902 ug/l
 RT: 11.86 min Scan# 3351
 Delta R.T. -0.00 min
 Lab File: VU033373.D
 Acq: 23 Jul 2019 11:27

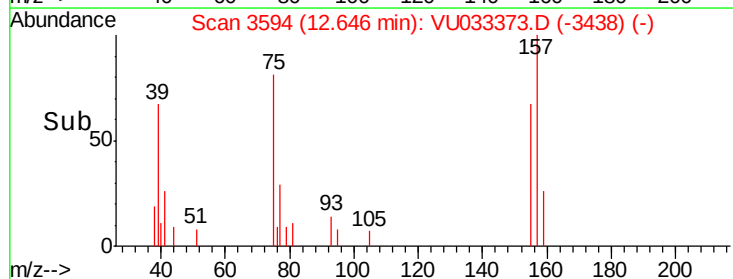
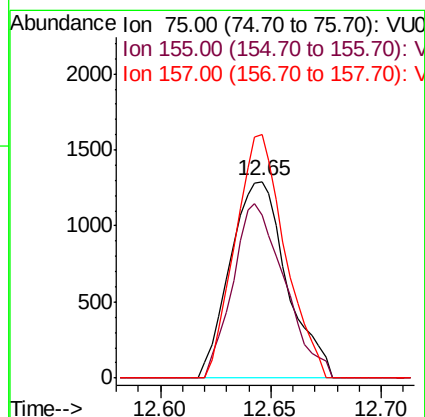
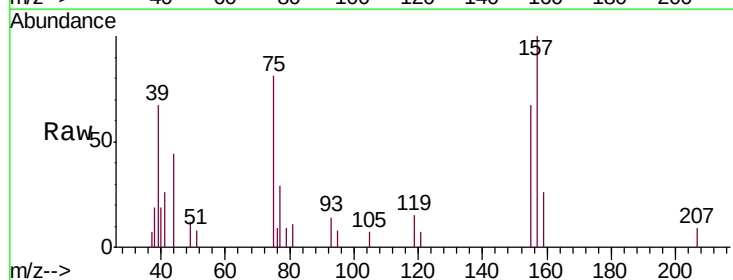
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0723WBS01

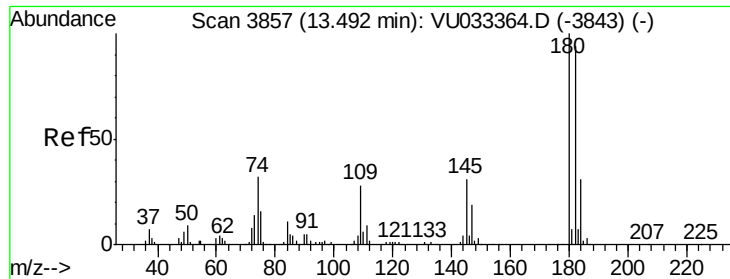
Tgt Ion: 146 Resp: 34497
 Ion Ratio Lower Upper
 146 100
 111 42.2 21.7 65.1
 148 64.0 32.0 96.0



#86
 1,2-Dibromo-3-Chloropropane
 Concen: 1.626 ug/l
 RT: 12.65 min Scan# 3594
 Delta R.T. 0.00 min
 Lab File: VU033373.D
 Acq: 23 Jul 2019 11:27

Tgt Ion: 75 Resp: 2302
 Ion Ratio Lower Upper
 75 100
 155 81.1 63.3 94.9
 157 108.7 82.5 123.7

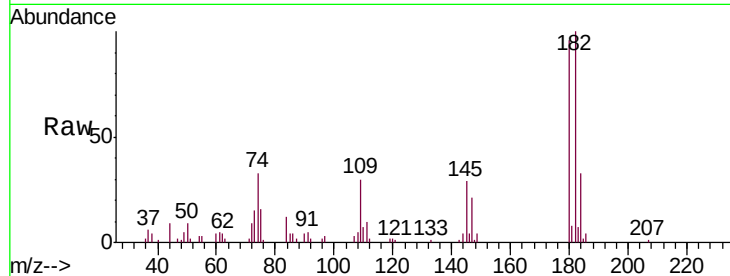




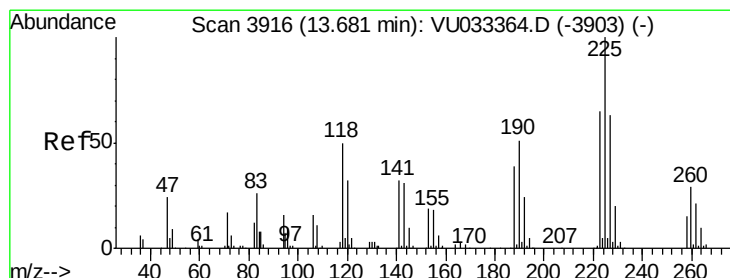
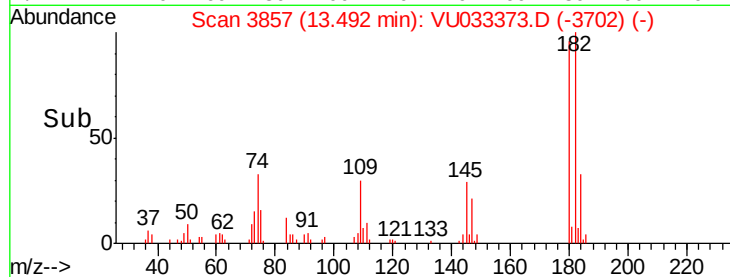
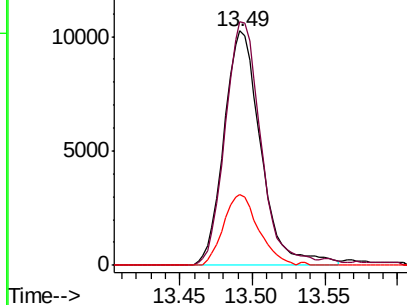
#87
 1,2,4-Trichlorobenzene
 Concen: 1.676 ug/l
 RT: 13.49 min Scan# 3857
 Delta R.T. -0.00 min
 Lab File: VU033373.D
 Acq: 23 Jul 2019 11:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0723WBS01

Tgt Ion:180 Resp: 18093
 Ion Ratio Lower Upper
 180 100
 182 100.1 76.2 114.4
 145 28.6 25.0 37.4

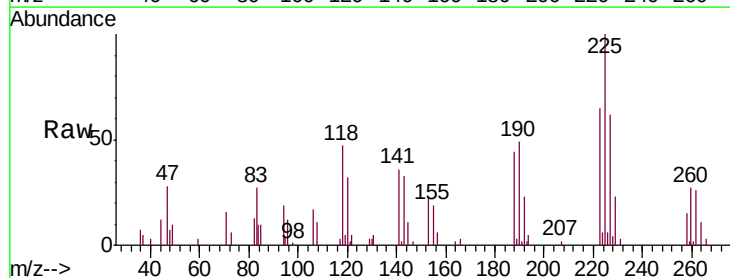


Abundance Ion 179.70 (179.40 to 180.40): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

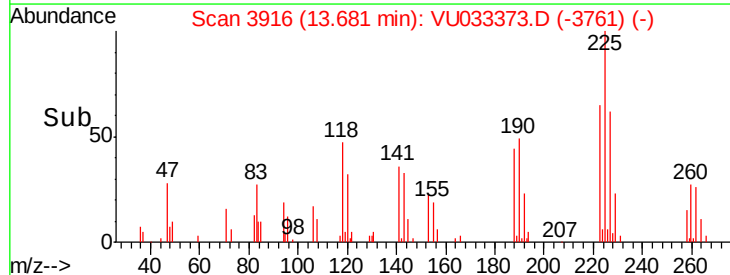
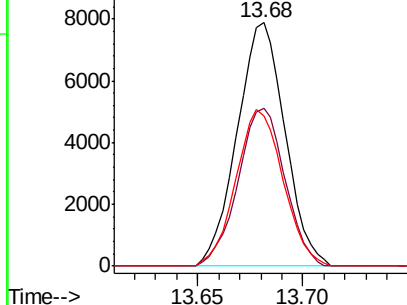


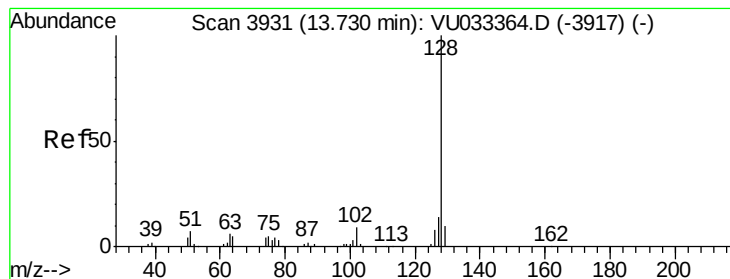
#88
 Hexachlorobutadiene
 Concen: 1.865 ug/l
 RT: 13.68 min Scan# 3916
 Delta R.T. -0.00 min
 Lab File: VU033373.D
 Acq: 23 Jul 2019 11:27

Tgt Ion:225 Resp: 12413
 Ion Ratio Lower Upper
 225 100
 223 63.5 52.2 78.4
 227 63.5 51.7 77.5



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

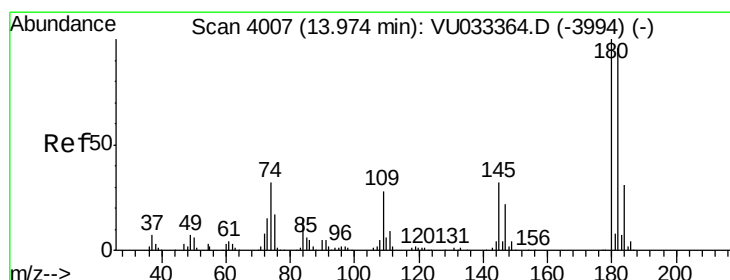
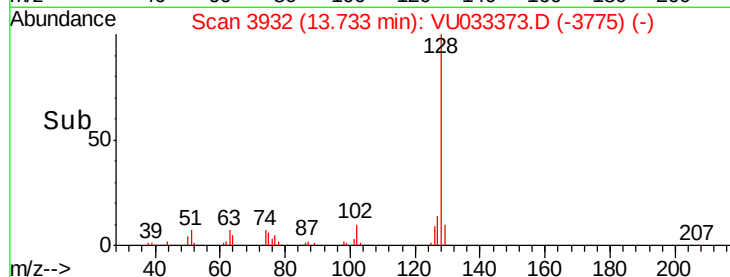
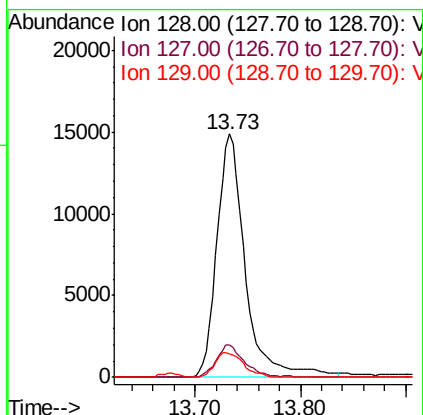
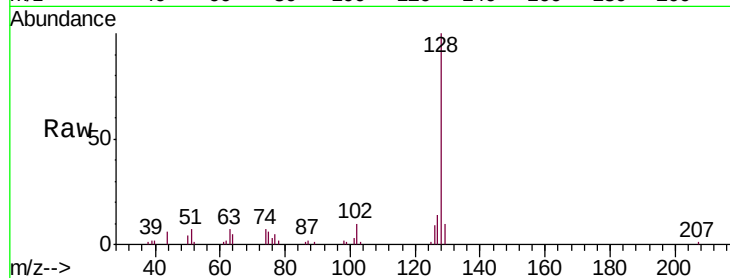




#89
Naphthalene
Concen: 1.717 ug/l
RT: 13.73 min Scan# 3932
Delta R.T. 0.00 min
Lab File: VU033373.D
Acq: 23 Jul 2019 11:27

Instrument :
MSVOA_U
ClientSampleId :
VU0723WBS01

Tgt Ion:128 Resp: 27769
Ion Ratio Lower Upper
128 100
127 13.0 10.8 16.2
129 10.1 8.5 12.7



#90
1,2,3-Trichlorobenzene
Concen: 1.631 ug/l
RT: 13.98 min Scan# 4008
Delta R.T. 0.00 min
Lab File: VU033373.D
Acq: 23 Jul 2019 11:27

Tgt Ion:180 Resp: 17090
Ion Ratio Lower Upper
180 100
182 100.2 77.9 116.9
145 33.3 25.8 38.8

