

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U033119\
 Data File : VU030573.D
 Acq On : 30 Mar 2019 14:16
 Operator : JC/SP
 Sample : VSTDIC0.5
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Mar 31 00:45:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U033119DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Sun Mar 31 00:38:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	5.74	96	50872	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.31	95	18282	0.97	ug/l	0.00
Spiked Amount 1.000			Recovery	=	97.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	17842	0.86	ug/l	0.00
Spiked Amount 1.000			Recovery	=	86.00%	

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	10216	0.528	ug/l 94
3) Chloromethane	1.33	50	15089	0.680	ug/l 99
4) Vinyl Chloride	1.40	62	11481	0.596	ug/l 97
5) Bromomethane	1.63	94	5548	0.528	ug/l 97
6) Chloroethane	1.70	64	7488	0.679	ug/l 99
7) Trichlorofluoromethane	1.88	101	12096	0.498	ug/l 93
8) 1,1,2-Trichloro-1,2,2-trif	2.28	101	6495	0.500	ug/l 99
9) 1,1-Dichloroethene	2.28	96	6760	0.524	ug/l 89
10) Iodomethane	2.41	142	2617	0.236	ug/l 94
11) Allyl Chloride	2.59	41	13352	0.668	ug/l 96
12) Acrylonitrile	2.93	53	3873	1.320	ug/l 93
13) Acetone	2.32	43	10694	4.121	ug/l 100
14) Carbon Disulfide	2.47	76	23666	0.522	ug/l # 93
15) Methylene Chloride	2.70	84	9579	0.619	ug/l 97
16) trans-1,2-Dichloroethene	2.97	96	7471	0.504	ug/l # 87
17) 1,1-Dichloroethane	3.44	63	14468	0.557	ug/l 96
18) 2-Butanone	4.30	43	10289	2.858	ug/l 87
19) Cyclohexane	4.99	56	11202	0.501	ug/l 93
20) Methylcyclohexane	6.41	83	9767	0.414	ug/l 94
21) 2,2-Dichloropropane	4.22	77	11508	0.533	ug/l 97
22) cis-1,2-Dichloroethene	4.22	96	7736	0.471	ug/l 92
23) Diethyl Ether	2.10	59	6351	0.629	ug/l 98
24) tert-Butyl Alcohol	2.84	59	6778	6.294	ug/l 98
25) Methyl tert-Butyl Ether	3.00	73	18855	0.562	ug/l 96
26) Bromochloromethane	4.54	128	2931	0.415	ug/l 96
27) Chloroform	4.66	83	13143	0.487	ug/l 94
28) 1,1,1-Trichloroethane	4.91	97	11019	0.500	ug/l 97
29) 1,1-Dichloropropene	5.13	75	10125	0.506	ug/l 97
30) Carbon Tetrachloride	5.13	117	9266	0.475	ug/l 89
31) Isopropyl Ether	3.58	45	24855	0.654	ug/l 99
32) Ethyl-t-butyl ether	4.07	59	20284	0.576	ug/l 97
33) Tert-Amyl methyl ether	5.59	73	14509	0.459	ug/l 96
34) Propionitrile	4.35	54	2545	2.550	ug/l # 86
35) Benzene	5.39	78	29444	0.501	ug/l 98
36) 1,2-Dichloroethane	5.41	62	8738	0.541	ug/l 98
37) Trichloroethene	6.18	130	7181	0.438	ug/l 99
38) 1,2-Dichloropropane	6.43	63	7987	0.526	ug/l 93
39) Methacrylonitrile	4.56	41	2123	0.478	ug/l # 69
40) Methyl acrylate	4.45	55	2549	0.377	ug/l # 88
41) Tetrahydrofuran	4.66	42	3440	1.426	ug/l # 67
42) 1-Chlorobutane	5.06	56	13144	0.486	ug/l 91

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 MSVOA_U
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Quant Time: Mar 31 00:45:31 2019
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 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Sun Mar 31 00:38:20 2019
 Response via : Initial Calibration

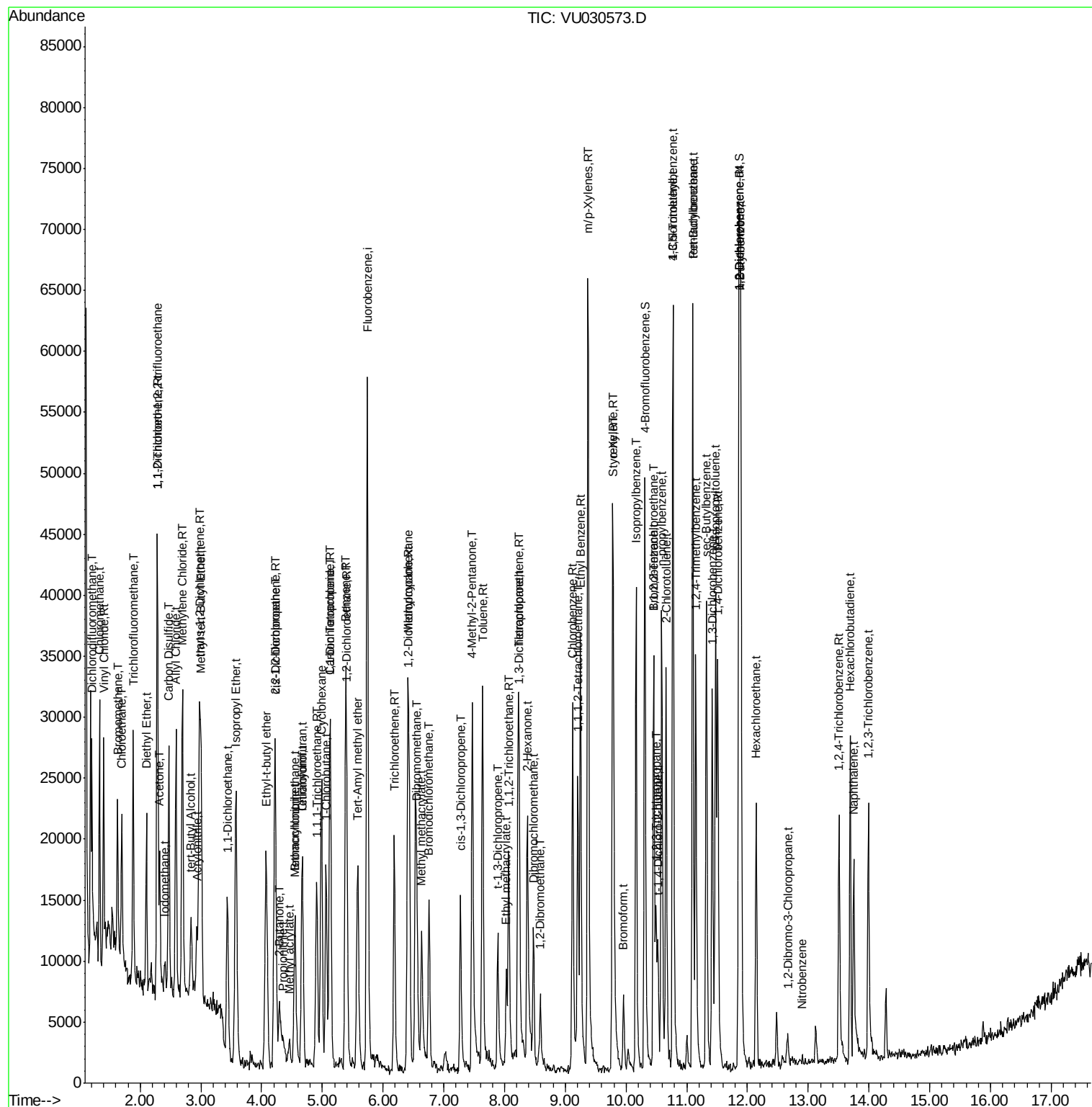
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	3800	0.494	ug/l	98
44) Bromodichloromethane	6.76	83	9987	0.537	ug/l	99
45) 4-Methyl-2-Pentanone	7.47	43	26348	3.248	ug/l	91
46) t-1,4-Dichloro-2-butene	10.52	75	3699	1.244	ug/l #	78
47) Methyl methacrylate	6.63	69	4802	0.737	ug/l #	90
48) Ethyl methacrylate	8.03	69	5101	0.417	ug/l	95
49) Toluene	7.64	92	14803	0.424	ug/l	94
50) t-1,3-Dichloropropene	7.89	75	7001	0.423	ug/l	99
51) cis-1,3-Dichloropropene	7.27	75	9537	0.462	ug/l	93
52) 1,1,2-Trichloroethane	8.07	97	5094	0.473	ug/l	87
53) 1,3-Dichloropropane	8.25	76	9430	0.515	ug/l	96
54) 2-Hexanone	8.37	43	17506	3.026	ug/l	97
55) Dibromochloromethane	8.48	129	5692	0.444	ug/l	97
56) 1,2-Dibromoethane	8.59	107	4862	0.474	ug/l	90
58) Tetrachloroethene	8.22	164	6301	0.424	ug/l	91
59) Chlorobenzene	9.12	112	16068	0.406	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.21	131	6760	0.487	ug/l	89
61) Pentachloroethane	11.10	117	5202	0.482	ug/l	93
62) Hexachloroethane	12.14	117	4308	0.408	ug/l	95
63) Ethyl Benzene	9.25	91	28317	0.430	ug/l	99
64) m/p-Xylenes	9.37	106	18897	0.742	ug/l	96
65) o-Xylene	9.77	106	9376	0.376	ug/l	97
66) Styrene	9.79	104	14075	0.341	ug/l	96
67) Bromoform	9.96	173	3048	0.420	ug/l #	97
69) Isopropylbenzene	10.16	105	26325	0.401	ug/l	97
70) 1,1,2,2-Tetrachloroethane	10.46	83	7193	0.533	ug/l	98
71) 1,2,3-Trichloropropane	10.49	75	4821	0.493	ug/l #	77
72) Bromobenzene	10.45	156	6998	0.415	ug/l	94
73) n-propylbenzene	10.58	120	6064	0.330	ug/l	87
74) 2-Chlorotoluene	10.66	126	6163	0.381	ug/l	86
75) 1,3,5-Trimethylbenzene	10.77	105	20523	0.368	ug/l	96
76) 4-Chlorotoluene	10.78	126	6417	0.390	ug/l	100
77) tert-Butylbenzene	11.10	119	21488	0.396	ug/l	99
78) 1,2,4-Trimethylbenzene	11.15	105	20529	0.363	ug/l	90
79) sec-Butylbenzene	11.32	105	27125	0.373	ug/l	97
80) Nitrobenzene	12.90	77	219	0.943	ug/l #	43
81) p-Isopropyltoluene	11.48	119	20416	0.339	ug/l	100
82) 1,3-Dichlorobenzene	11.42	146	14361	0.423	ug/l	100
83) 1,4-Dichlorobenzene	11.51	146	14935	0.437	ug/l	91
84) n-Butylbenzene	11.89	91	20609	0.364	ug/l	99
85) 1,2-Dichlorobenzene	11.88	146	13919	0.439	ug/l	98
86) 1,2-Dibromo-3-Chloropropan	12.67	75	1070	0.551	ug/l #	77
87) 1,2,4-Trichlorobenzene	13.51	180	7462	0.336	ug/l	97
88) Hexachlorobutadiene	13.69	225	4924	0.401	ug/l	93
89) Naphthalene	13.75	128	16915	0.486	ug/l	95
90) 1,2,3-Trichlorobenzene	13.99	180	7450	0.368	ug/l	97

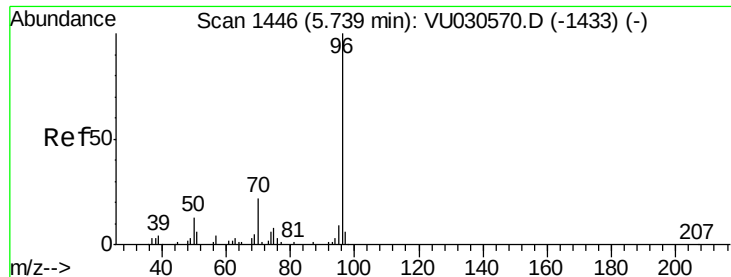
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.74 min Scan# 1446

Delta R.T. 0.00 min

Lab File: VU030573.D

Acq: 30 Mar 2019 14:16

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 96 Resp: 50872

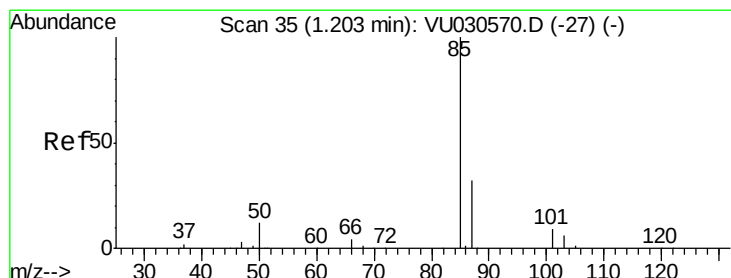
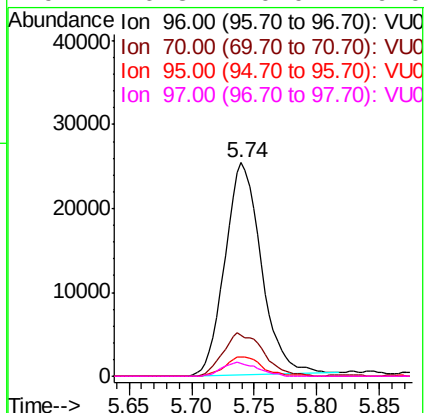
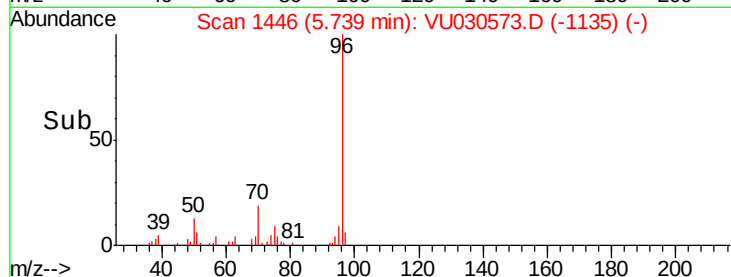
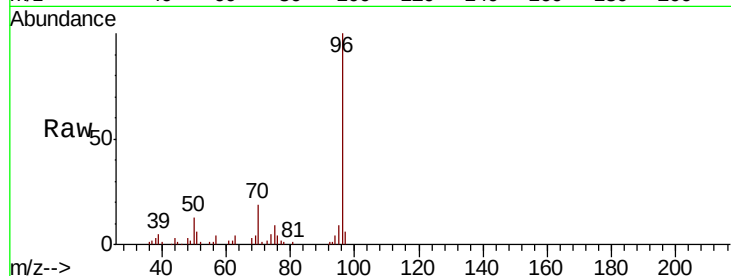
Ion Ratio Lower Upper

96 100

70 22.5 15.6 23.4

95 9.4 7.3 10.9

97 6.3 0.0 0.0#



#2

Dichlorodifluoromethane

Concen: 0.528 ug/l

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU030573.D

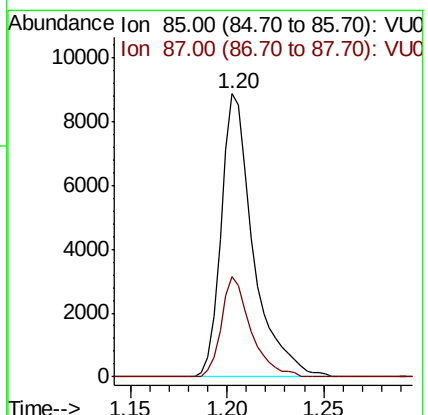
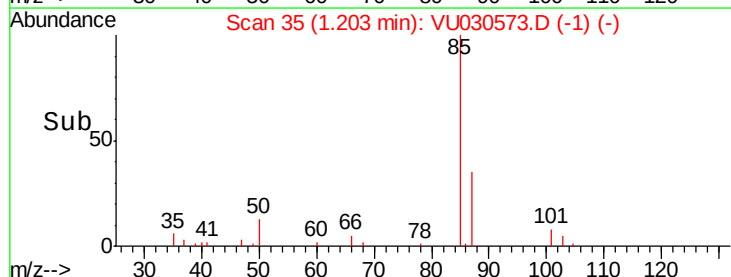
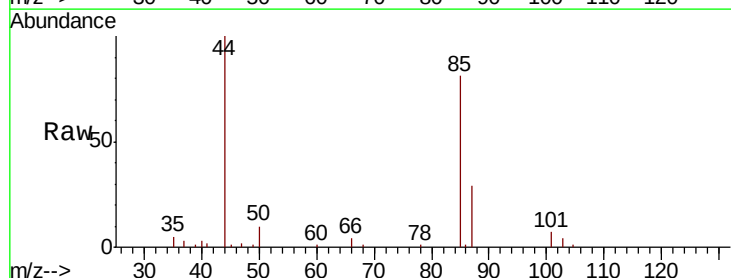
Acq: 30 Mar 2019 14:16

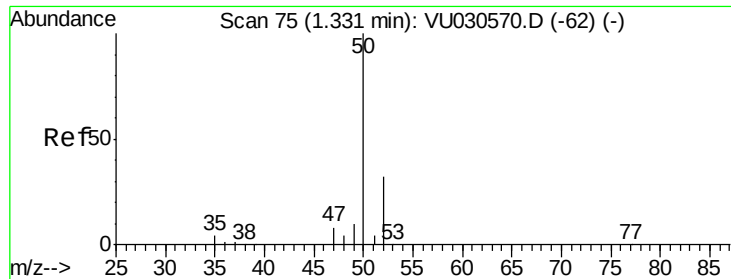
Tgt Ion: 85 Resp: 10216

Ion Ratio Lower Upper

85 100

87 35.2 15.9 47.6





#3

Chloromethane

Concen: 0.680 ug/l

RT: 1.33 min Scan# 75

Delta R.T. 0.00 min

Lab File: VU030573.D

Acq: 30 Mar 2019 14:16

Instrument :

MSVOA_U

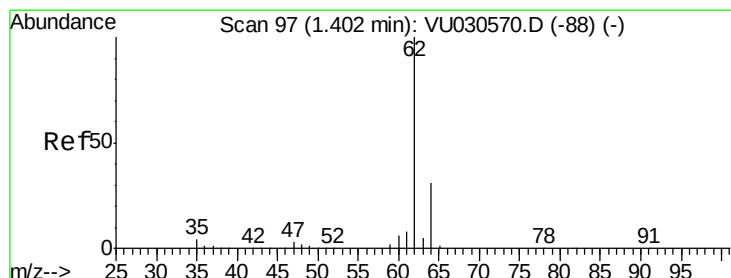
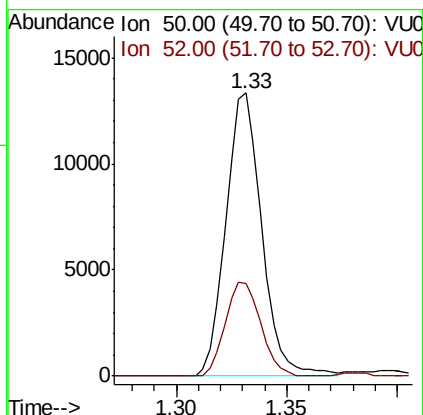
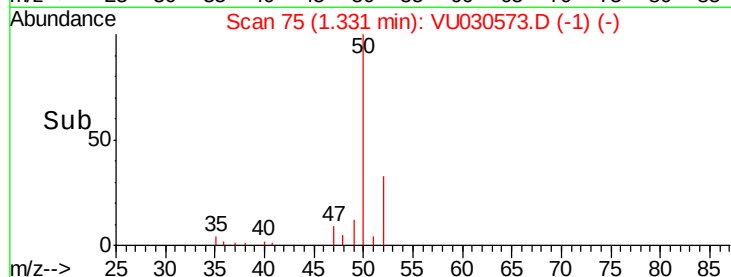
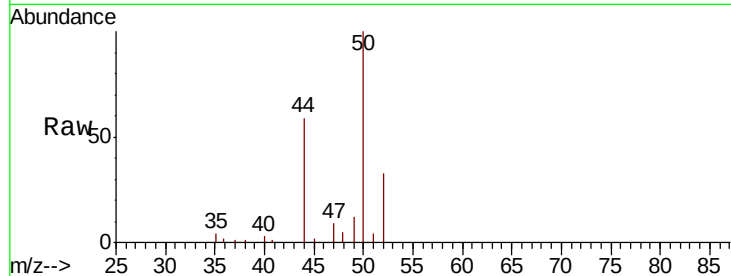
ClientSampleId :

Tot Ion: 50 Resp: 15089

Ion Ratio Lower Upper

50 100

52 32.9 25.8 38.8



#4

Vinyl Chloride

Concen: 0.596 ug/l

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU030573.D

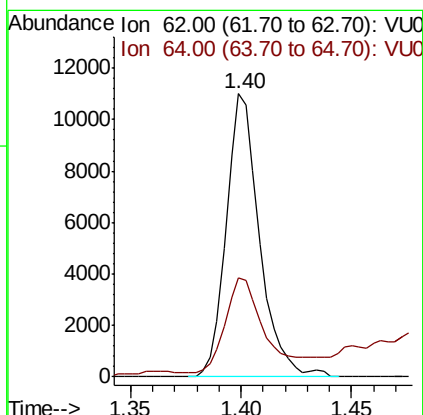
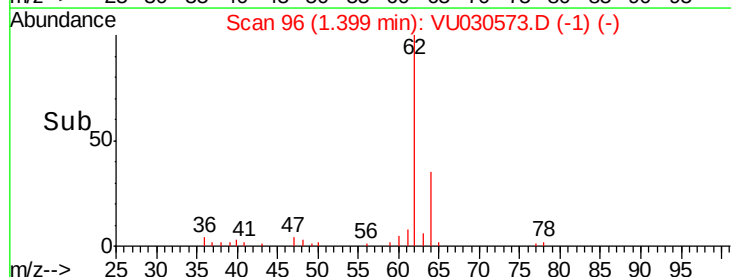
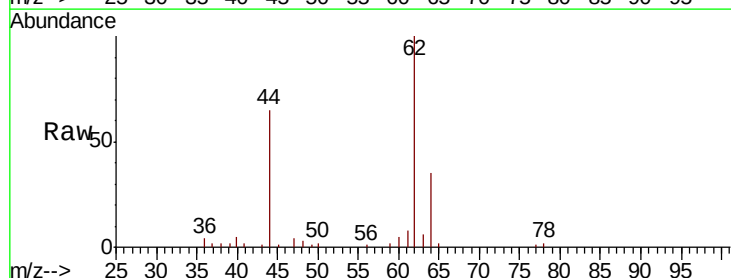
Acq: 30 Mar 2019 14:16

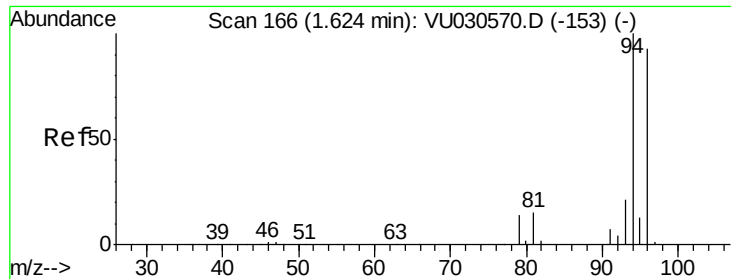
Tgt Ion: 62 Resp: 11481

Ion Ratio Lower Upper

62 100

64 33.3 25.1 37.7

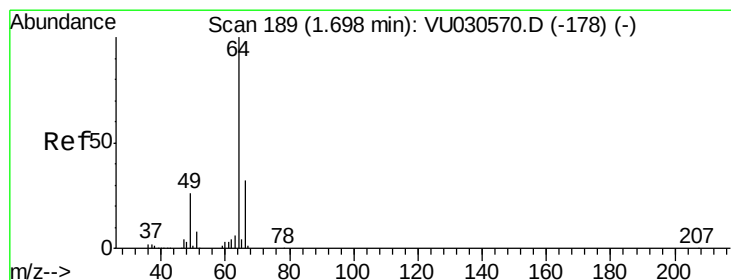
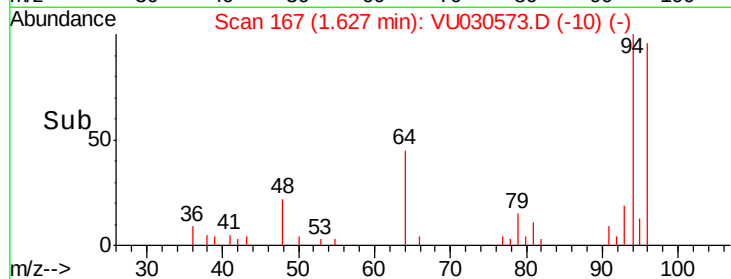
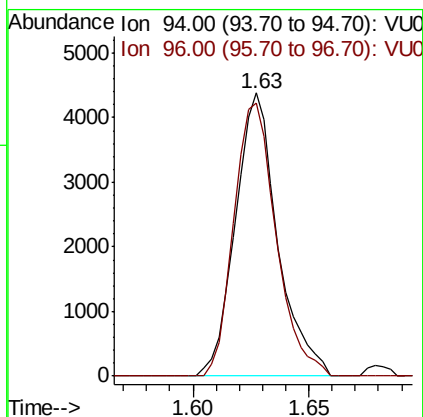
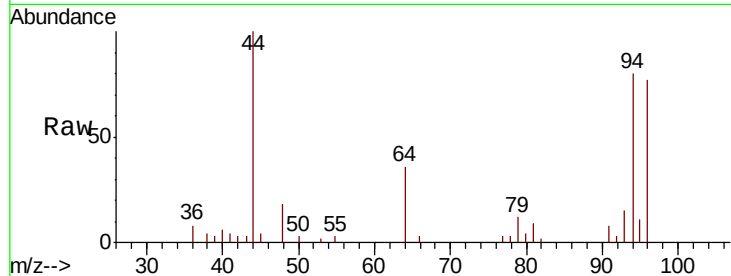




#5
Bromomethane
Concen: 0.528 ug/l
RT: 1.63 min Scan# 167
Delta R.T. 0.00 min
Lab File: VU030573.D
Acq: 30 Mar 2019 14:16

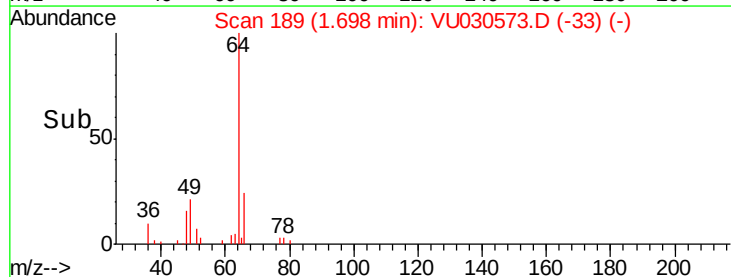
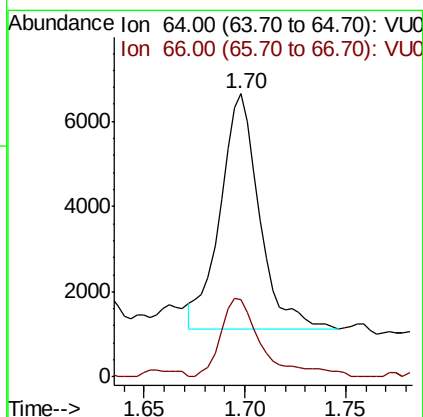
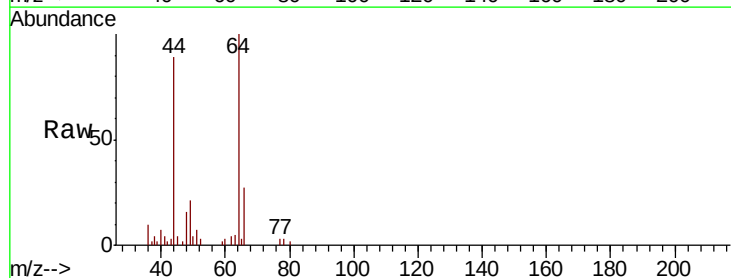
Instrument :
MSVOA_U
ClientSampleId :

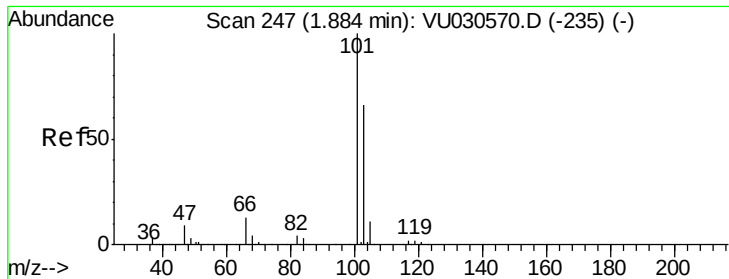
Tot Ion: 94 Resp: 5548
Ion Ratio Lower Upper
94 100
96 96.3 74.8 112.2



#6
Chloroethane
Concen: 0.679 ug/l
RT: 1.70 min Scan# 189
Delta R.T. 0.00 min
Lab File: VU030573.D
Acq: 30 Mar 2019 14:16

Tgt Ion: 64 Resp: 7488
Ion Ratio Lower Upper
64 100
66 32.6 25.5 38.3



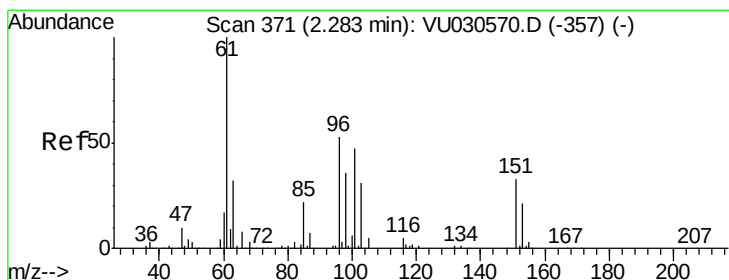
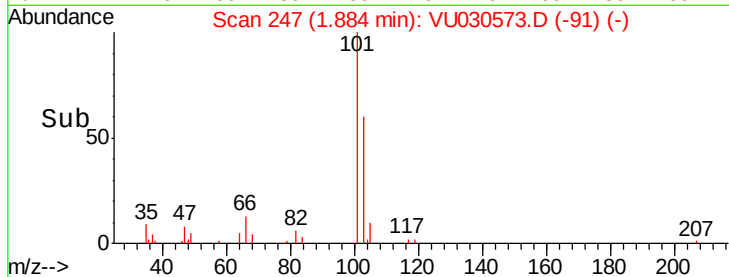
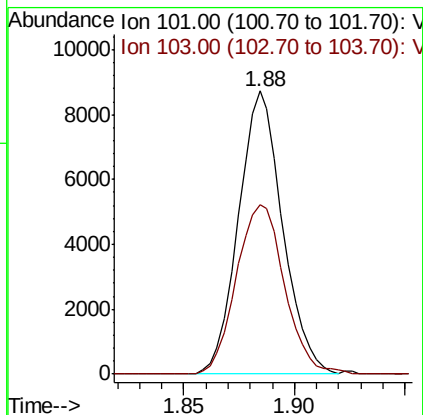
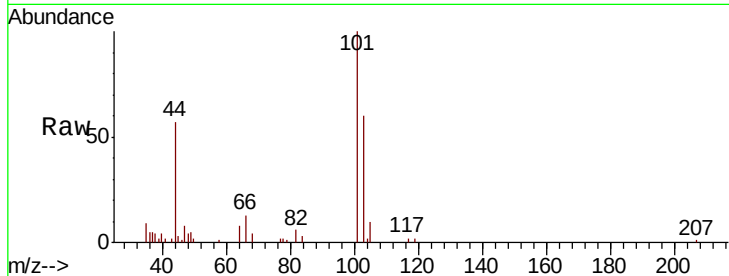


#7

Trichlorofluoromethane
 Concen: 0.498 ug/l
 RT: 1.88 min Scan# 247
 Delta R.T. 0.00 min
 Lab File: VU030573.D
 Acq: 30 Mar 2019 14:16

Instrument :
 MSVOA_U
 ClientSampleId :

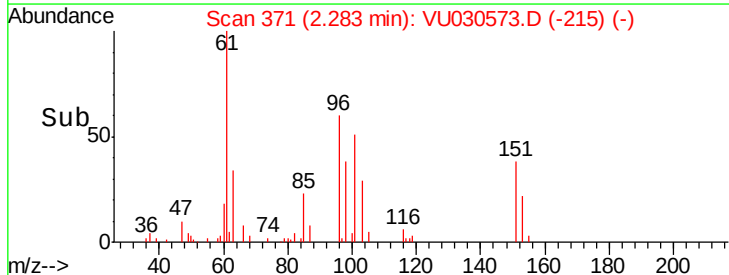
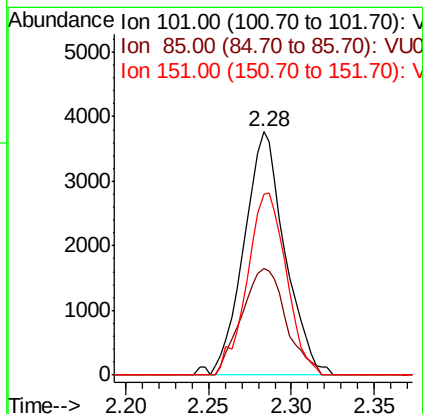
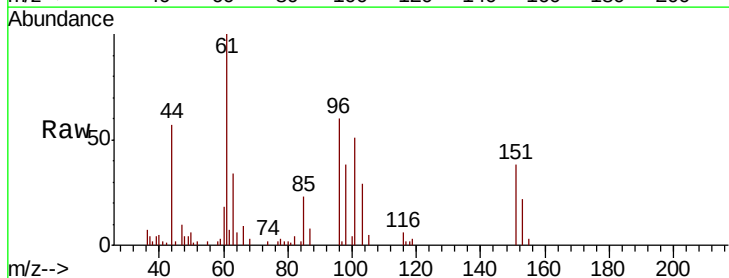
Tot Ion:101 Resp: 12096
 Ion Ratio Lower Upper
 101 100
 103 60.0 52.6 79.0

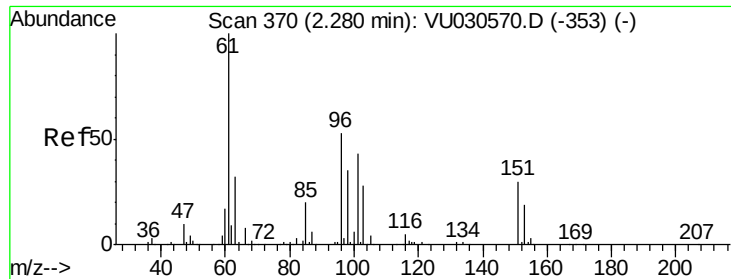


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.500 ug/l
 RT: 2.28 min Scan# 371
 Delta R.T. 0.00 min
 Lab File: VU030573.D
 Acq: 30 Mar 2019 14:16

Tgt Ion:101 Resp: 6495
 Ion Ratio Lower Upper
 101 100
 85 47.2 36.5 54.7
 151 71.1 56.5 84.7





#9

1,1-Dichloroethene

Concen: 0.524 ug/l

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU030573.D

Acq: 30 Mar 2019 14:16

Instrument :

MSVOA_U

ClientSampled :

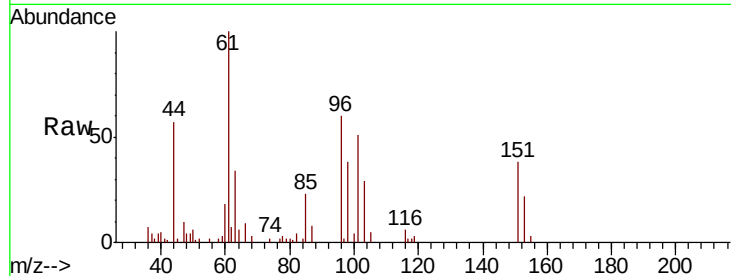
Tot Ion: 96 Resp: 6760

Ion Ratio Lower Upper

96 100

61 168.0 0.0 567.0

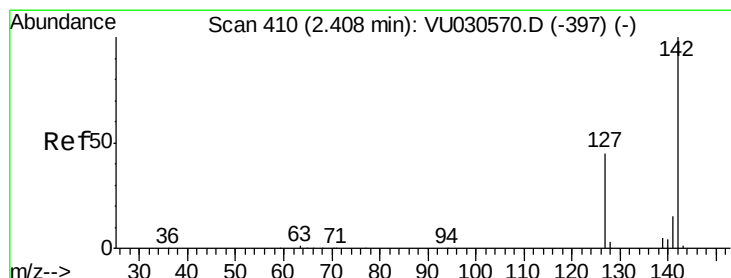
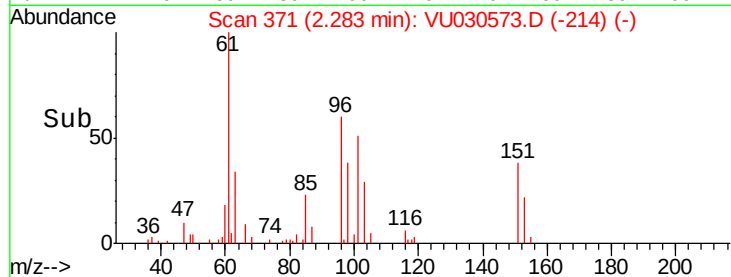
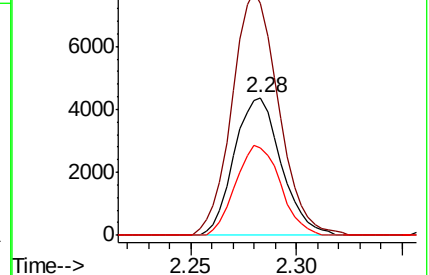
98 63.7 0.0 132.2



Abundance Ion 96.00 (95.70 to 96.70): VU030573.D (-353) (-)

Ion 61.00 (60.70 to 61.70): VU030573.D (-353) (-)

Ion 98.00 (97.70 to 98.70): VU030573.D (-353) (-)



#10

Iodomethane

Concen: 0.236 ug/l

RT: 2.41 min Scan# 409

Delta R.T. -0.00 min

Lab File: VU030573.D

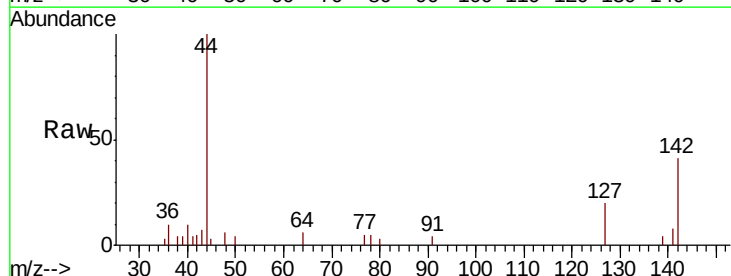
Acq: 30 Mar 2019 14:16

Tgt Ion:142 Resp: 2617

Ion Ratio Lower Upper

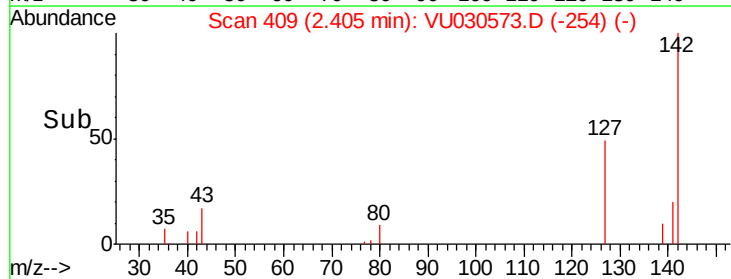
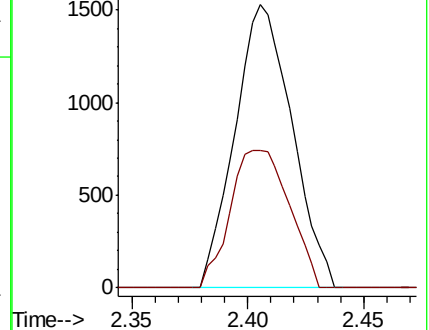
142 100

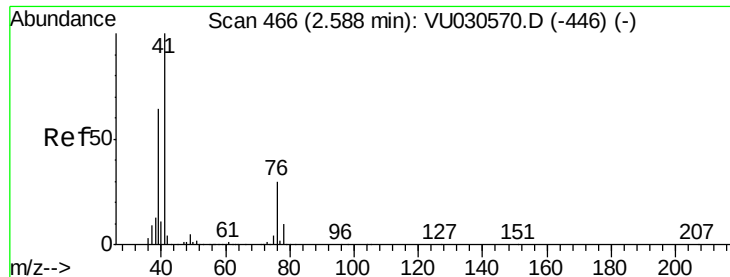
127 50.2 36.8 55.2



Abundance Ion 142.00 (141.70 to 142.70): VU030573.D (-254) (-)

Ion 127.00 (126.70 to 127.70): VU030573.D (-254) (-)

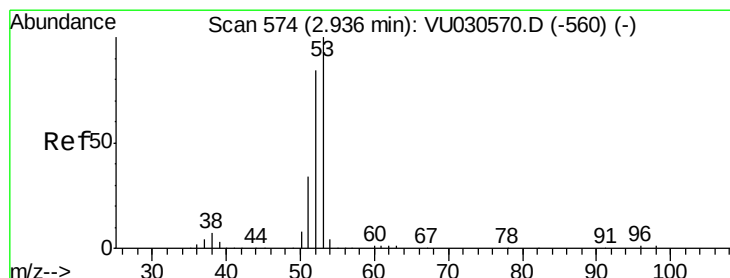
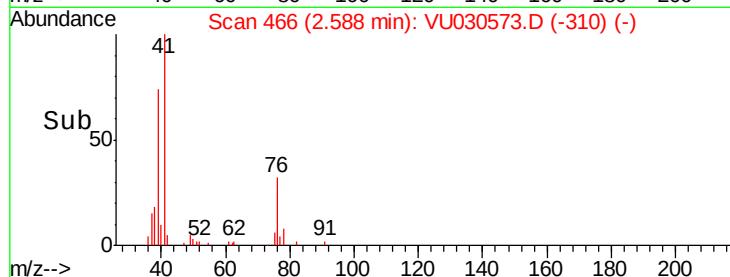
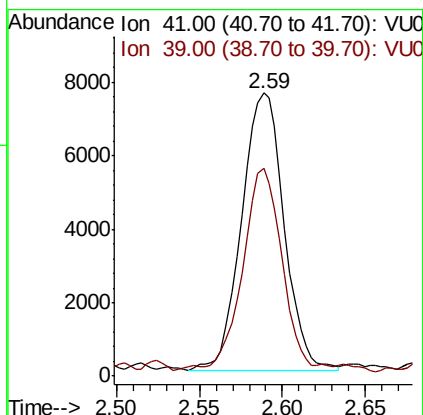
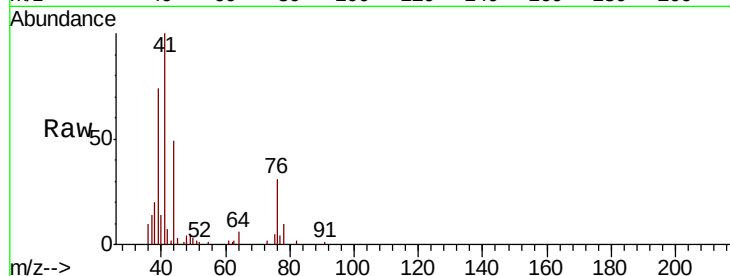




#11
 Allvl Chloride
 Concen: 0.668 ug/l
 RT: 2.59 min Scan# 466
 Delta R.T. 0.00 min
 Lab File: VU030573.D
 Acq: 30 Mar 2019 14:16

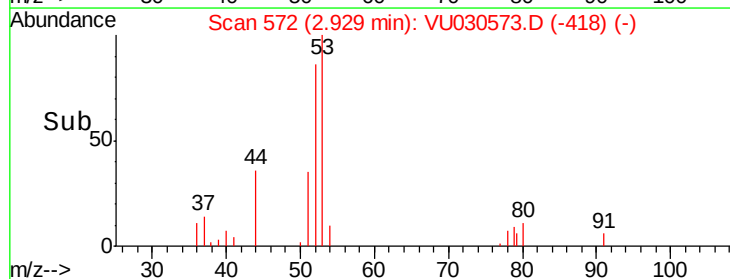
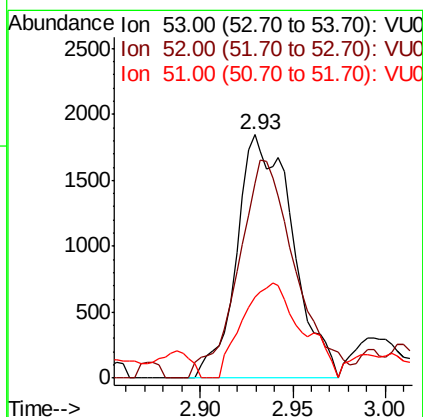
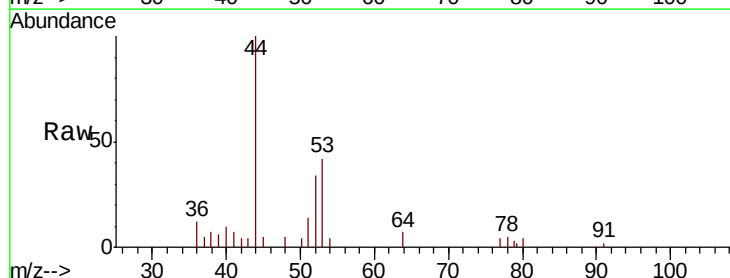
Instrument :
 MSVOA_U
 ClientSampled :

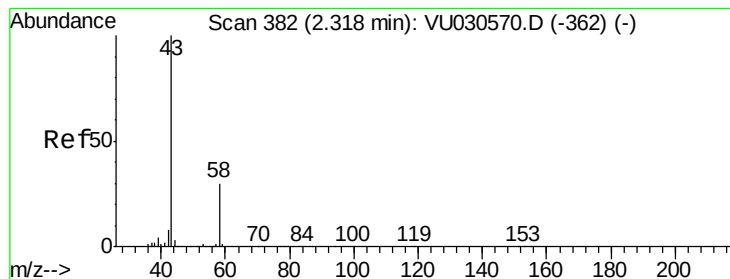
Tot Ion: 41 Resp: 13352
 Ion Ratio Lower Upper
 41 100
 39 68.1 51.8 77.6



#12
 Acrylonitrile
 Concen: 1.320 ug/l
 RT: 2.93 min Scan# 572
 Delta R.T. -0.01 min
 Lab File: VU030573.D
 Acq: 30 Mar 2019 14:16

Tgt Ion: 53 Resp: 3873
 Ion Ratio Lower Upper
 53 100
 52 91.3 69.1 103.7
 51 41.4 27.9 41.9





#13

Acetone

Concen: 4.121 ug/l

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU030573.D

Acq: 30 Mar 2019 14:16

Instrument :

MSVOA_U

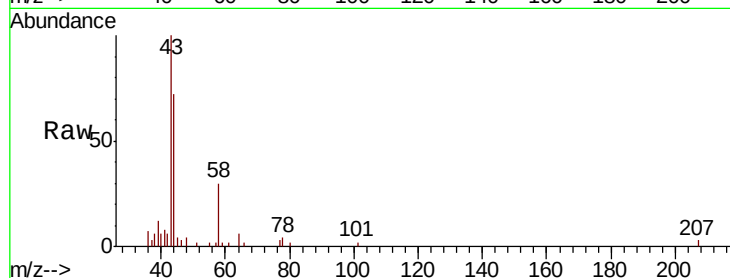
ClientSampleId :

Tot Ion: 43 Resp: 10694

Ion Ratio Lower Upper

43 100

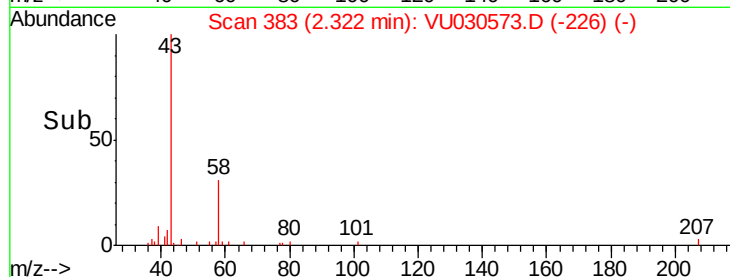
58 30.4 24.2 36.4



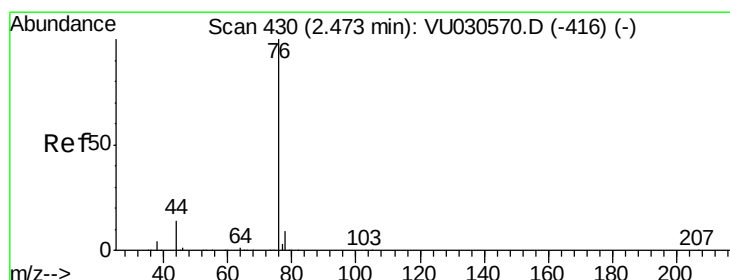
Abundance Ion 43.00 (42.70 to 43.70): VU030573.D (-362) (-)

Ion 58.00 (57.70 to 58.70): VU030573.D (-362) (-)

Time-->



Time-->



#14

Carbon Disulfide

Concen: 0.522 ug/l

RT: 2.47 min Scan# 430

Delta R.T. 0.00 min

Lab File: VU030573.D

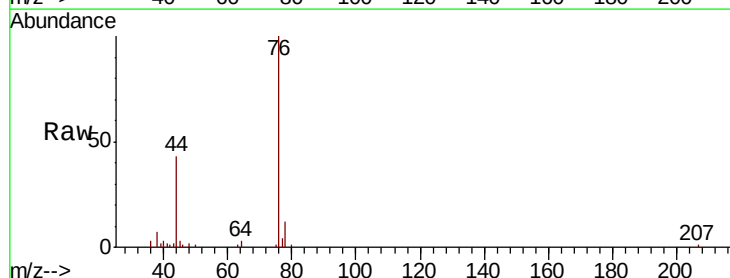
Acq: 30 Mar 2019 14:16

Tgt Ion: 76 Resp: 23666

Ion Ratio Lower Upper

76 100

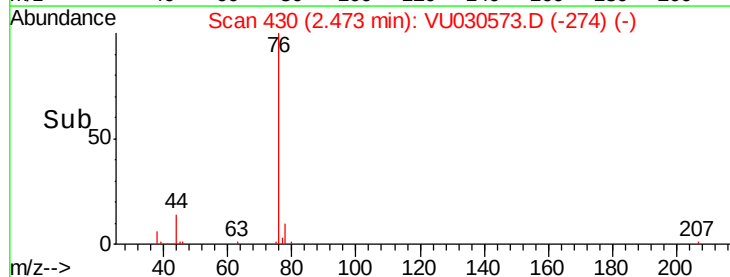
78 11.8 7.3 10.9#



Abundance Ion 76.00 (75.70 to 76.70): VU030573.D (-416) (-)

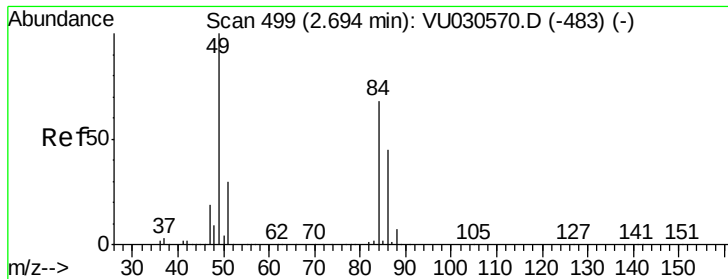
Ion 78.00 (77.70 to 78.70): VU030573.D (-416) (-)

Time-->



Time-->

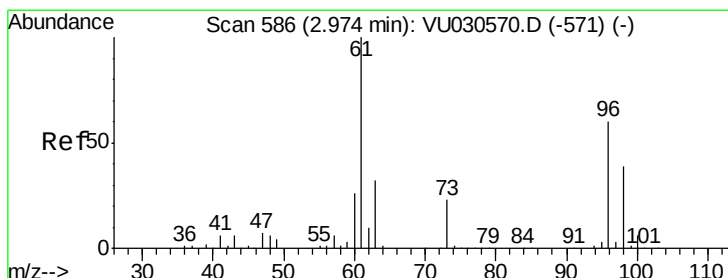
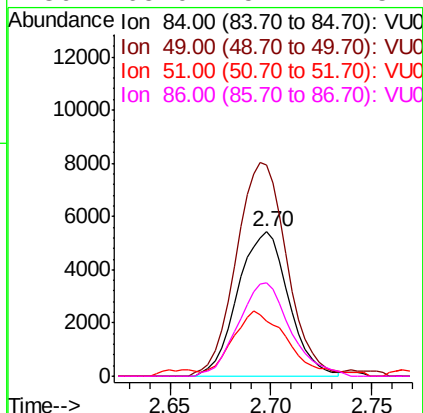
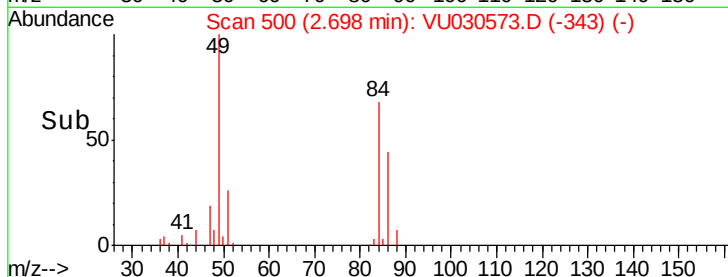
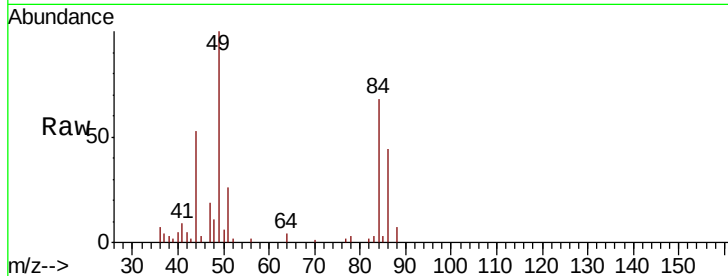
Time-->



#15
Methylene Chloride
Concen: 0.619 ug/l
RT: 2.70 min Scan# 500
Delta R.T. 0.00 min
Lab File: VU030573.D
Acq: 30 Mar 2019 14:16

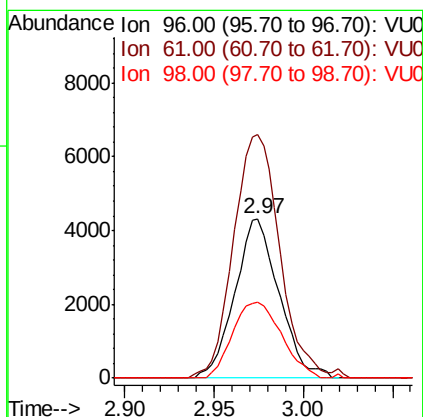
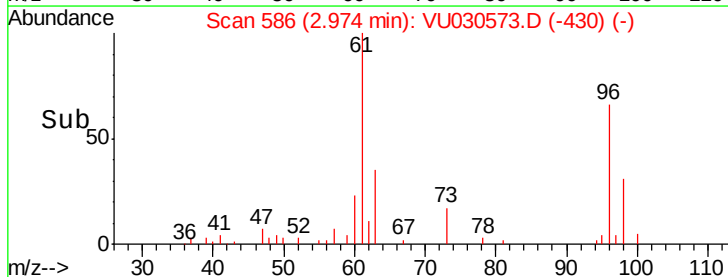
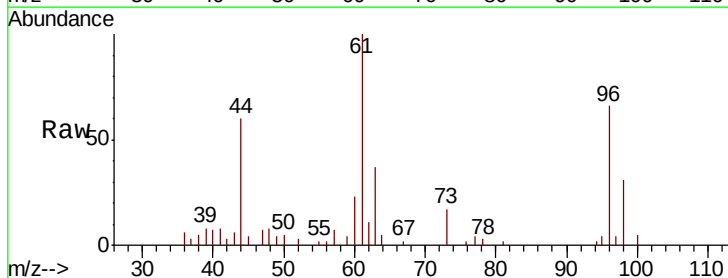
Instrument :
MSVOA_U
ClientSampleId :

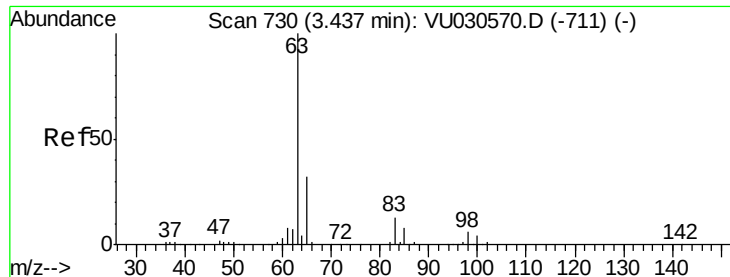
Tot Ion: 84 Resp: 9579
Ion Ratio Lower Upper
84 100
49 146.7 117.0 175.6
51 34.7 0.0 88.6
86 65.0 52.2 78.2



#16
trans-1,2-Dichloroethene
Concen: 0.504 ug/l
RT: 2.97 min Scan# 586
Delta R.T. 0.00 min
Lab File: VU030573.D
Acq: 30 Mar 2019 14:16

Tgt Ion: 96 Resp: 7471
Ion Ratio Lower Upper
96 100
61 152.4 132.3 198.5
98 47.4 51.3 76.9#

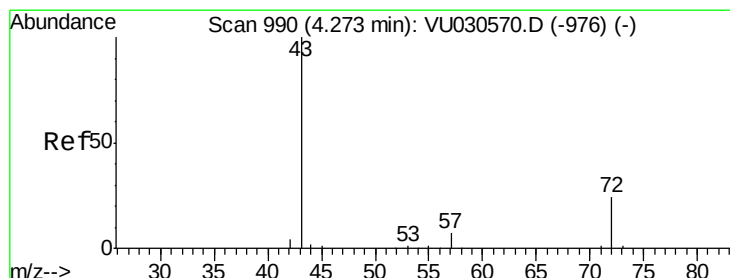
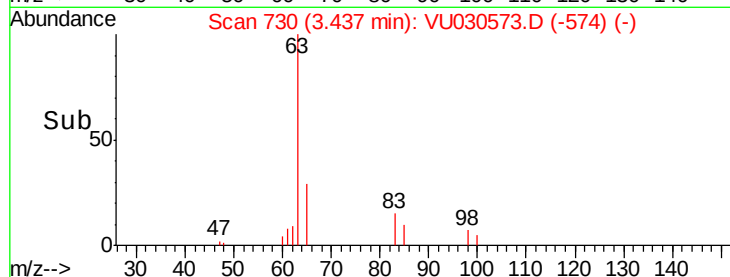
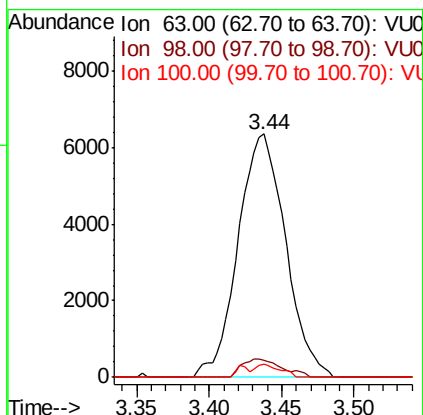
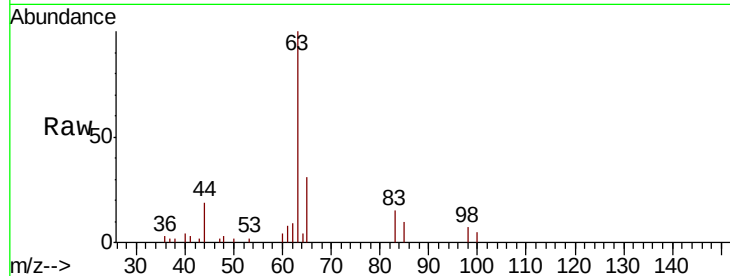




#17
 1,1-Dichloroethane
 Concen: 0.557 ug/l
 RT: 3.44 min Scan# 730
 Delta R.T. 0.00 min
 Lab File: VU030573.D
 Acq: 30 Mar 2019 14:16

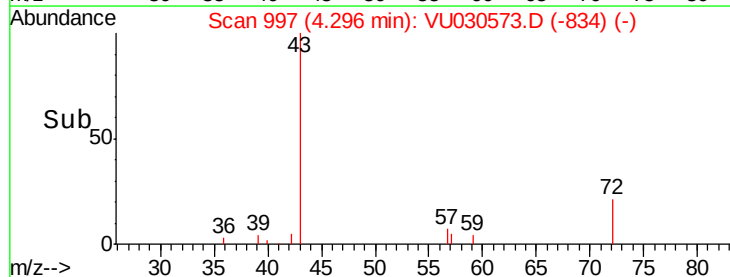
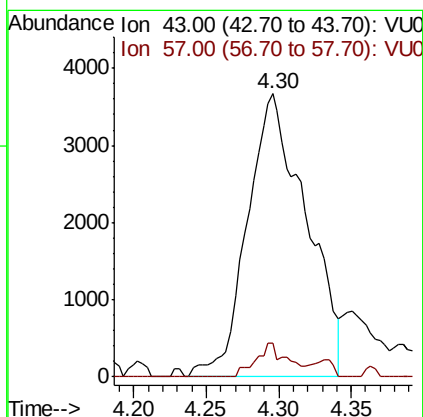
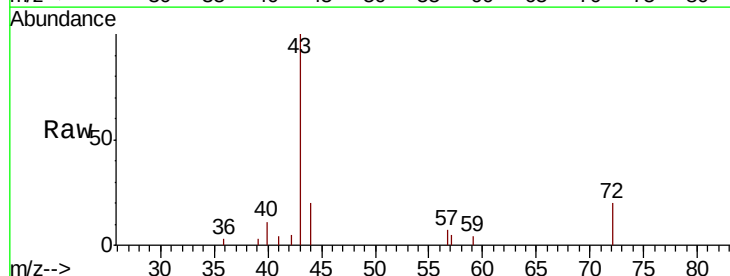
Instrument :
 MSVOA_U
 ClientSampleId :

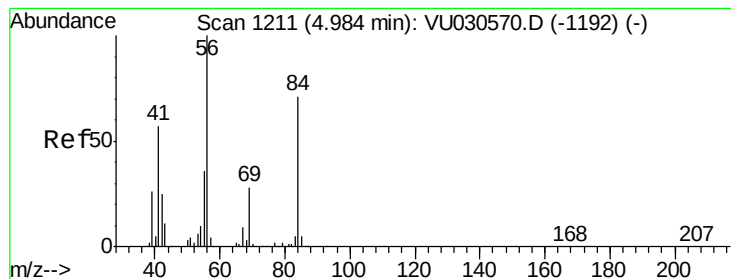
Tot Ion: 63 Resp: 14468
 Ion Ratio Lower Upper
 63 100
 98 7.0 3.0 9.0
 100 5.4 1.8 5.5



#18
 2-Butanone
 Concen: 2.858 ug/l
 RT: 4.30 min Scan# 997
 Delta R.T. 0.02 min
 Lab File: VU030573.D
 Acq: 30 Mar 2019 14:16

Tgt Ion: 43 Resp: 10289
 Ion Ratio Lower Upper
 43 100
 57 11.7 0.0 14.4





#19

Cyclohexane

Concen: 0.501 ug/l

RT: 4.99 min Scan# 1212

Delta R.T. 0.00 min

Lab File: VU030573.D

Acq: 30 Mar 2019 14:16

Instrument :

MSVOA_U

ClientSampleId :

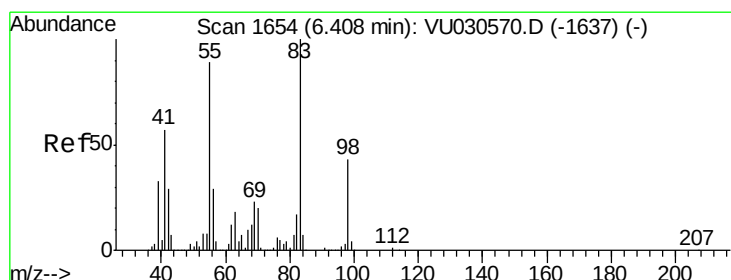
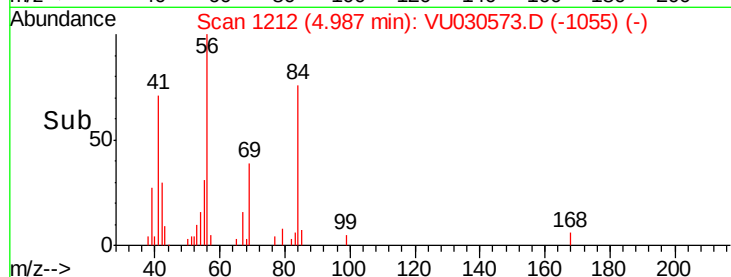
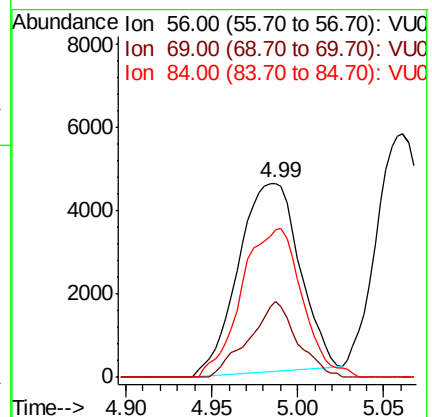
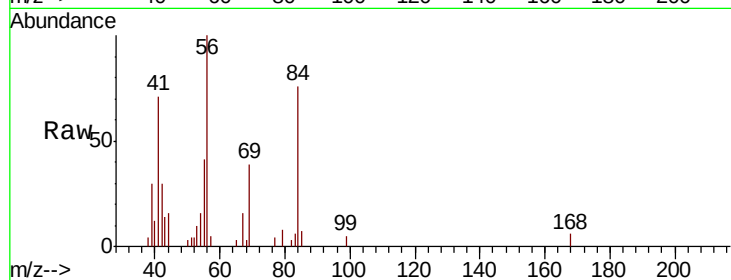
Tot Ion: 56 Resp: 11202

Ion Ratio Lower Upper

56 100

69 31.5 22.3 33.5

84 77.6 57.6 86.4



#20

Methylcyclohexane

Concen: 0.414 ug/l

RT: 6.41 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VU030573.D

Acq: 30 Mar 2019 14:16

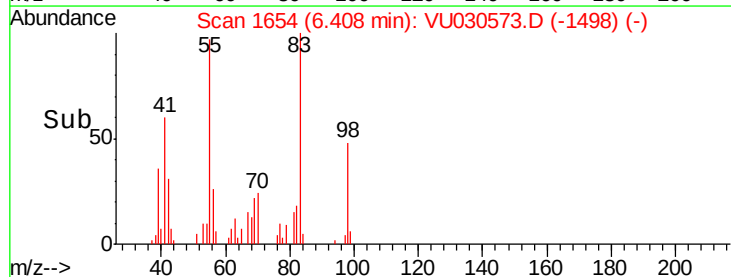
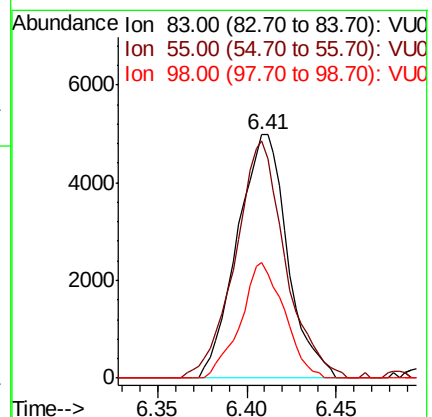
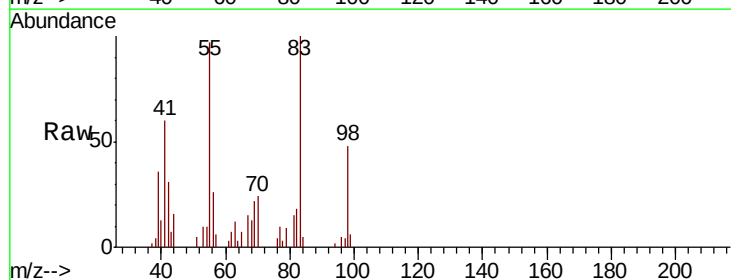
Tgt Ion: 83 Resp: 9767

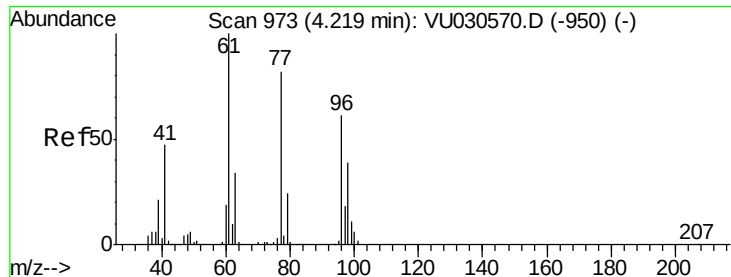
Ion Ratio Lower Upper

83 100

55 96.7 72.0 108.0

98 41.2 35.0 52.4





#21

2,2-Dichloropropane

Concen: 0.533 ug/l

RT: 4.22 min Scan# 972

Delta R.T. -0.00 min

Lab File: VU030573.D

Acq: 30 Mar 2019 14:16

Instrument :

MSVOA_U

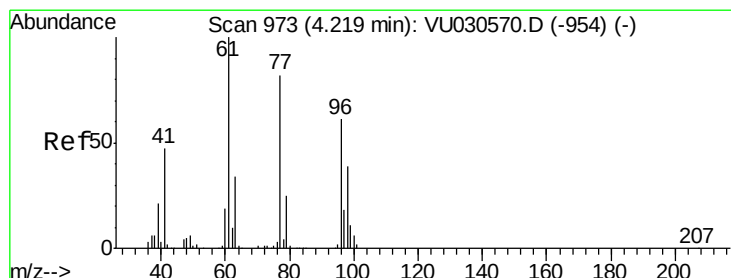
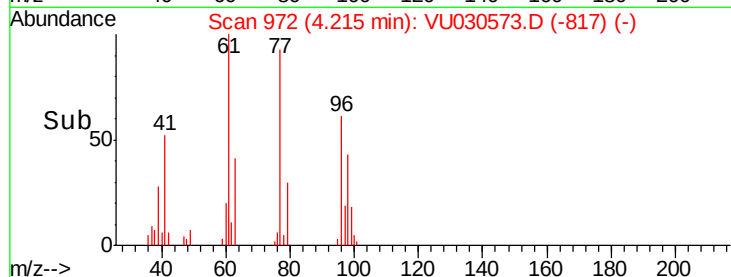
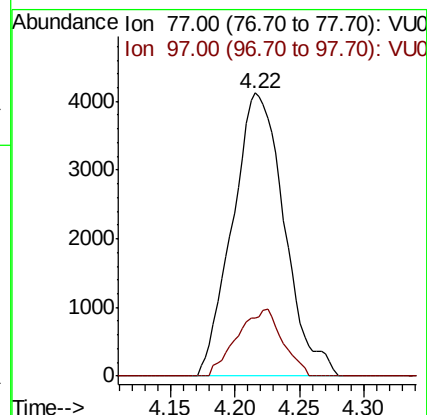
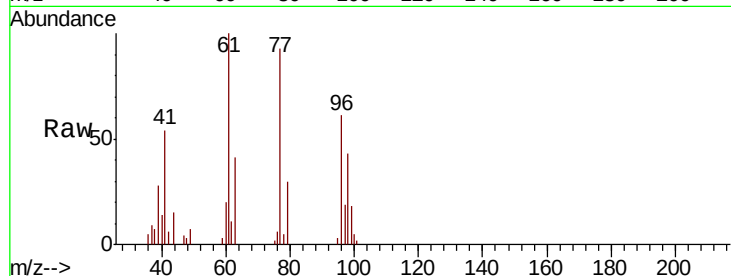
ClientSampled :

Tot Ion: 77 Resp: 11508

Ion Ratio Lower Upper

77 100

97 20.7 17.6 26.4



#22

cis-1,2-Dichloroethene

Concen: 0.471 ug/l

RT: 4.22 min Scan# 974

Delta R.T. 0.00 min

Lab File: VU030573.D

Acq: 30 Mar 2019 14:16

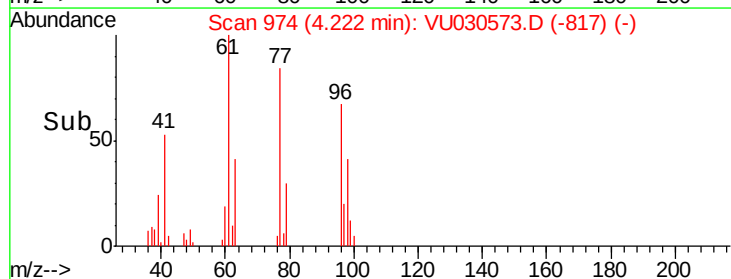
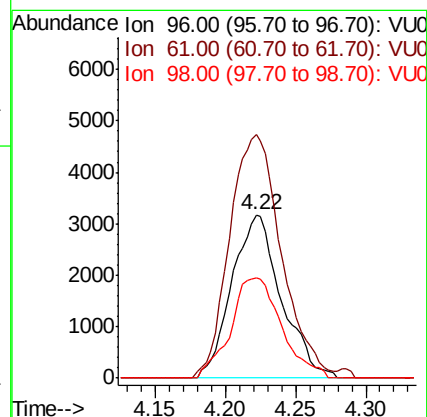
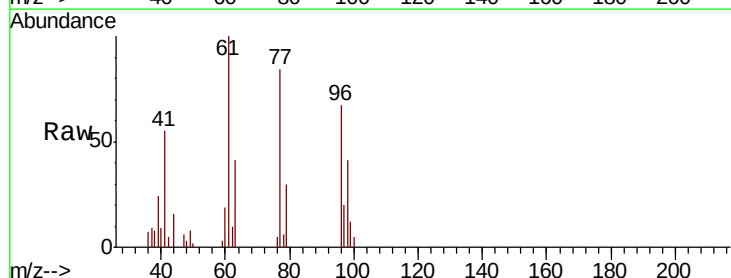
Tgt Ion: 96 Resp: 7736

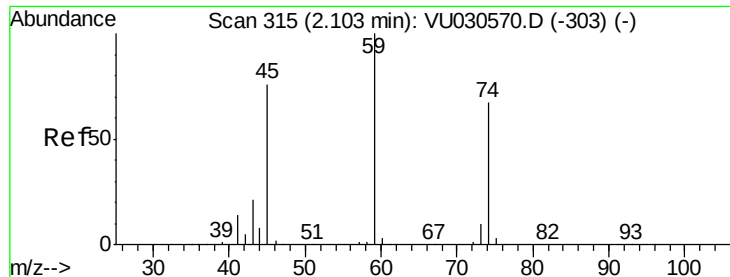
Ion Ratio Lower Upper

96 100

61 157.0 0.0 427.0

98 63.4 32.5 97.4

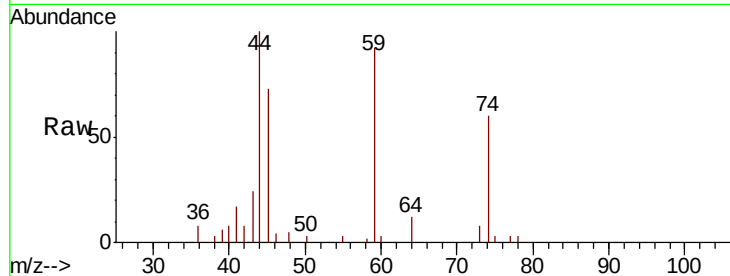




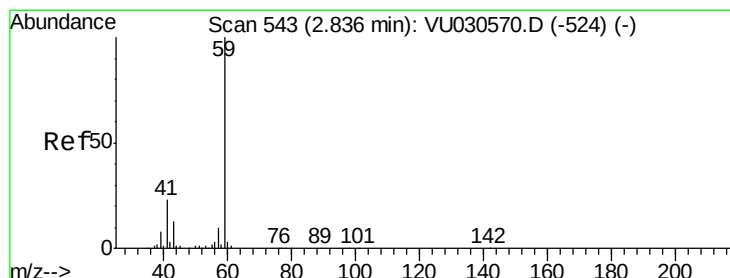
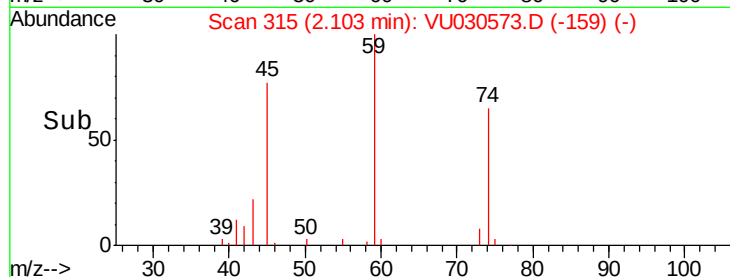
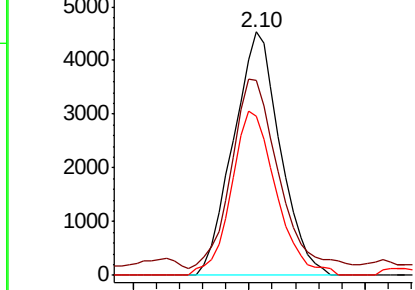
#23
Diethyl Ether
Concen: 0.629 ug/l
RT: 2.10 min Scan# 315
Delta R.T. 0.00 min
Lab File: VU030573.D
Acq: 30 Mar 2019 14:16

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 59 Resp: 6351
Ion Ratio Lower Upper
59 100
45 77.6 61.6 92.4
74 64.4 53.2 79.8

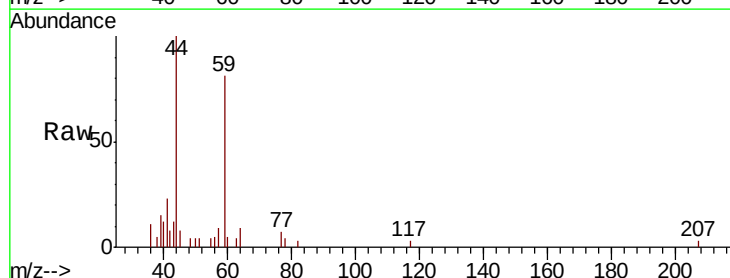


Abundance Ion 59.00 (58.70 to 59.70): VU0
Ion 45.00 (44.70 to 45.70): VU0
Ion 74.00 (73.70 to 74.70): VU0

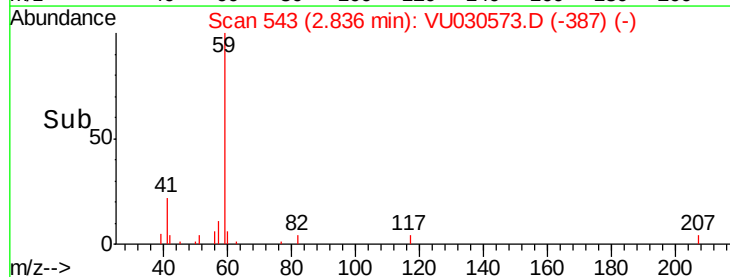
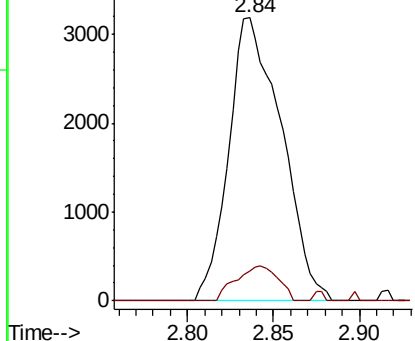


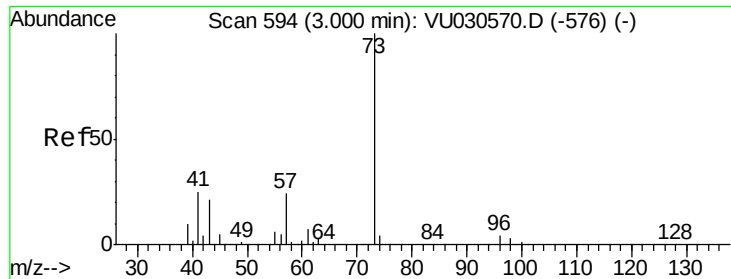
#24
tert-Butyl Alcohol
Concen: 6.294 ug/l
RT: 2.84 min Scan# 543
Delta R.T. 0.00 min
Lab File: VU030573.D
Acq: 30 Mar 2019 14:16

Tgt Ion: 59 Resp: 6778
Ion Ratio Lower Upper
59 100
57 9.8 8.4 12.6



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



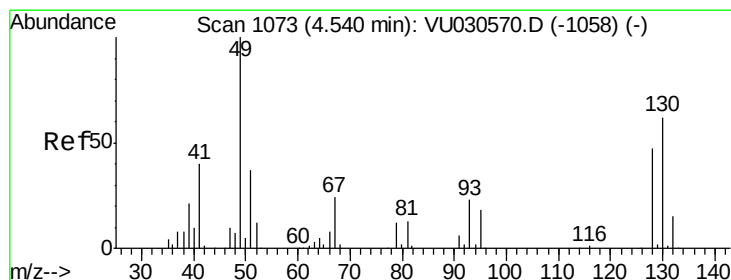
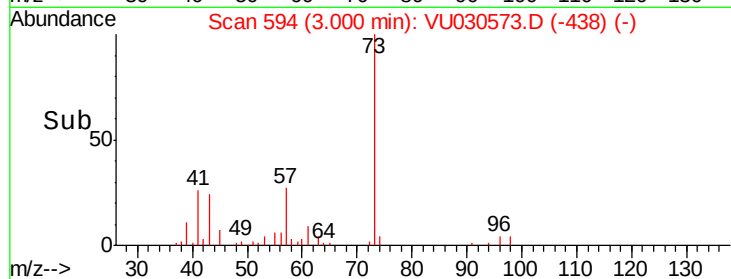
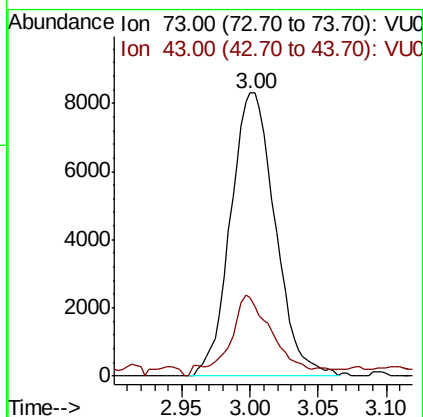
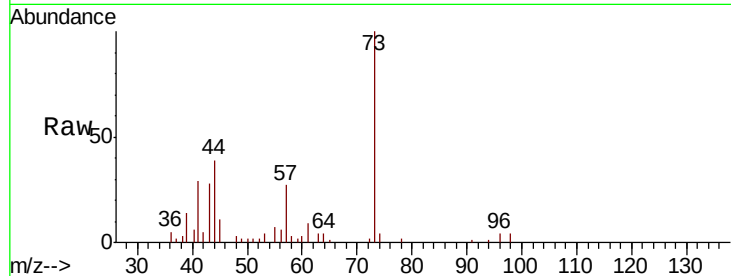


#25

Methyl tert-Butyl Ether
 Concen: 0.562 ug/l
 RT: 3.00 min Scan# 594
 Delta R.T. 0.00 min
 Lab File: VU030573.D
 Acq: 30 Mar 2019 14:16

Instrument :
 MSVOA_U
 ClientSampleId :

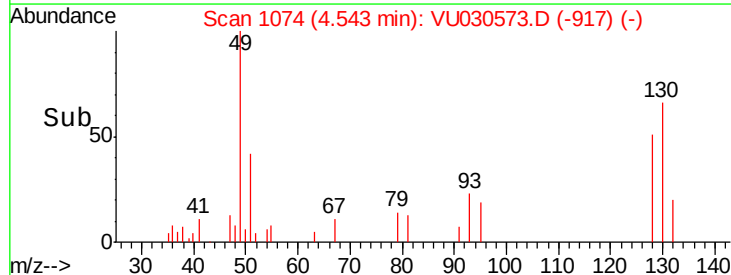
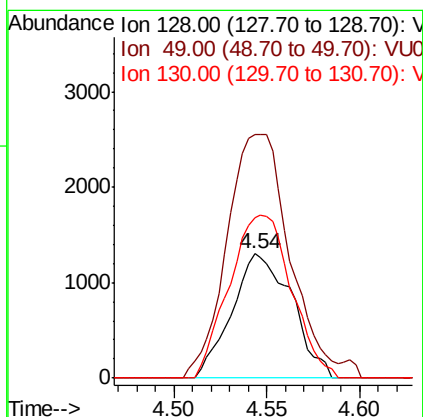
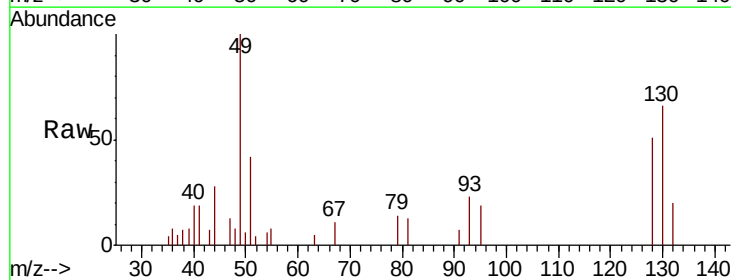
Tot Ion: 73 Resp: 18855
 Ion Ratio Lower Upper
 73 100
 43 22.5 16.6 24.8

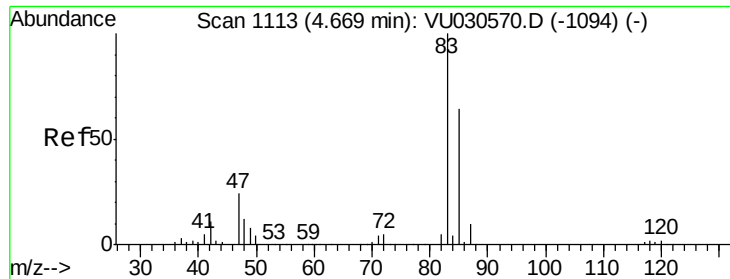


#26

Bromochloromethane
 Concen: 0.415 ug/l
 RT: 4.54 min Scan# 1074
 Delta R.T. 0.00 min
 Lab File: VU030573.D
 Acq: 30 Mar 2019 14:16

Tgt Ion: 128 Resp: 2931
 Ion Ratio Lower Upper
 128 100
 49 204.2 0.0 418.2
 130 136.0 103.4 155.0





#27

Chloroform

Concen: 0.487 ug/l

RT: 4.66 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VU030573.D

Acq: 30 Mar 2019 14:16

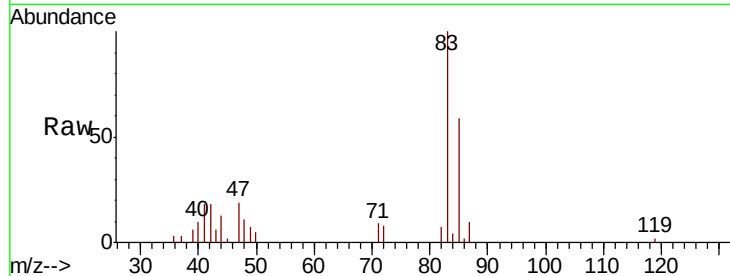
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 83 Resp: 13143

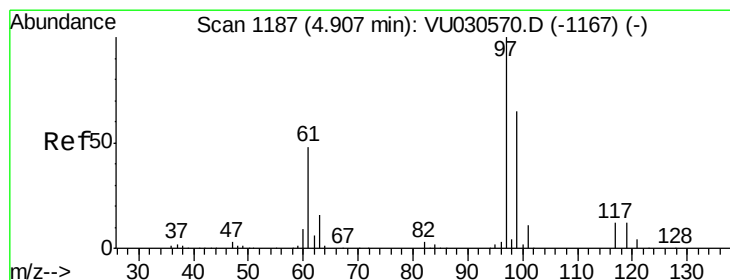
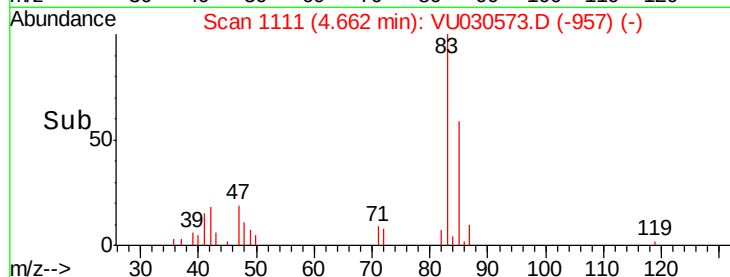
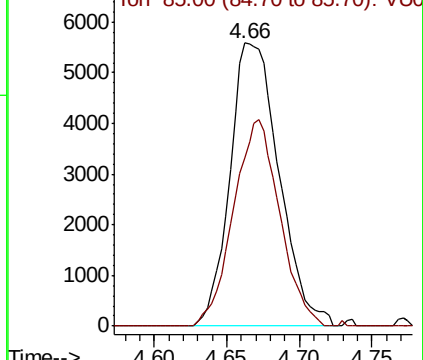
Ion Ratio Lower Upper

83 100

85 59.3 0.0 128.4



Abundance Ion 83.00 (82.70 to 83.70): VU030573.D (-957) (-)



#28

1,1,1-Trichloroethane

Concen: 0.500 ug/l

RT: 4.91 min Scan# 1188

Delta R.T. 0.00 min

Lab File: VU030573.D

Acq: 30 Mar 2019 14:16

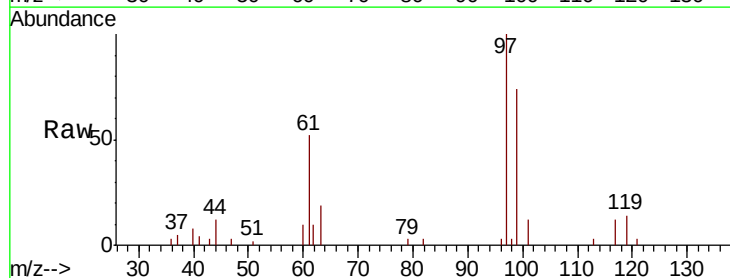
Tgt Ion: 97 Resp: 11019

Ion Ratio Lower Upper

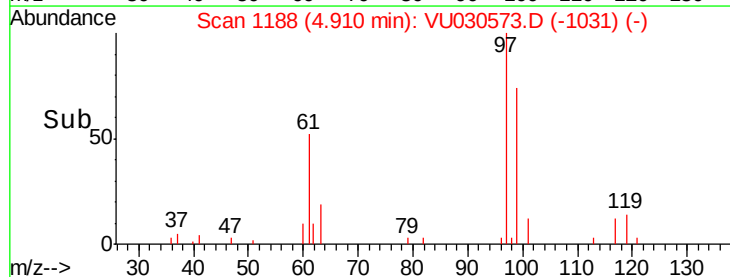
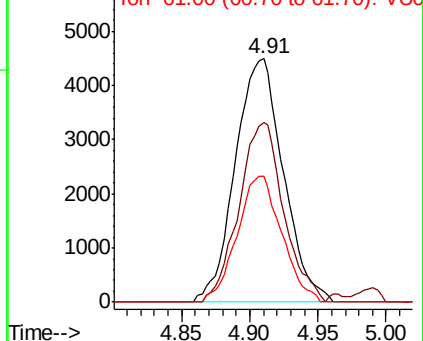
97 100

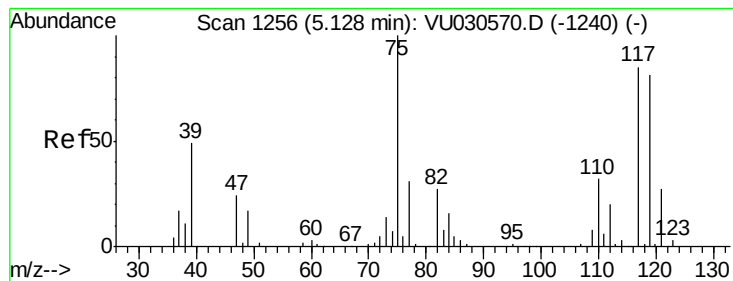
99 68.5 32.0 96.0

61 47.9 24.0 72.0



Abundance Ion 97.00 (96.70 to 97.70): VU030573.D (-1031) (-)





#29

1,1-Dichloropropene

Concen: 0.506 ug/l

RT: 5.13 min Scan# 1256

Delta R.T. 0.00 min

Lab File: VU030573.D

Acq: 30 Mar 2019 14:16

Instrument :

MSVOA_U

ClientSampleId :

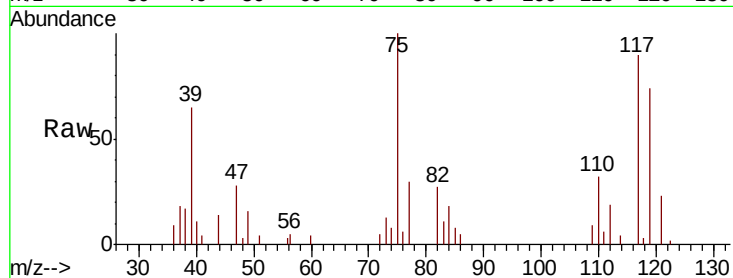
Tot Ion: 75 Resp: 10125

Ion Ratio Lower Upper

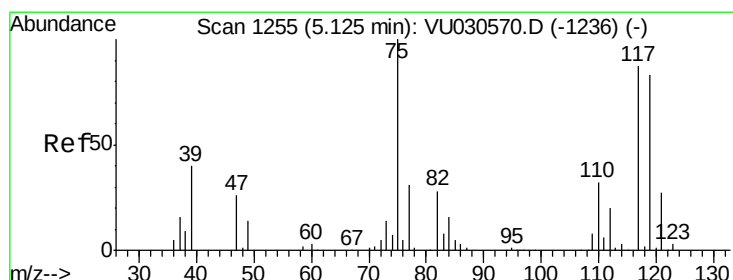
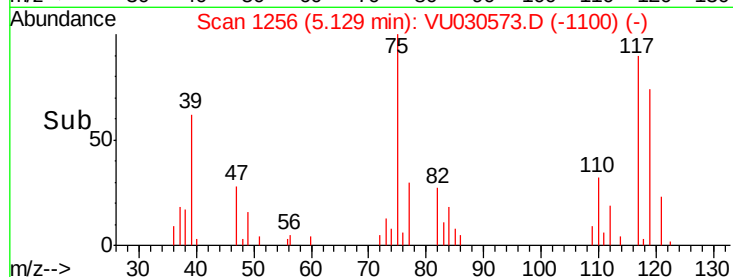
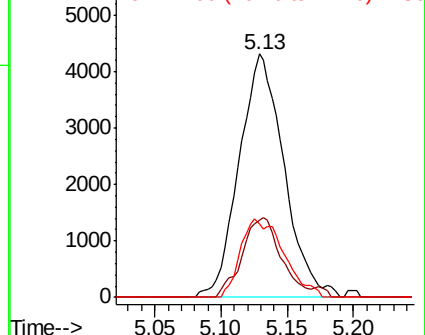
75 100

110 28.5 16.0 48.0

77 31.2 24.8 37.2



Abundance Ion 75.00 (74.70 to 75.70): VU0
Ion 110.00 (109.70 to 110.70): V
Ion 77.00 (76.70 to 77.70): VU0



#30

Carbon Tetrachloride

Concen: 0.475 ug/l

RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VU030573.D

Acq: 30 Mar 2019 14:16

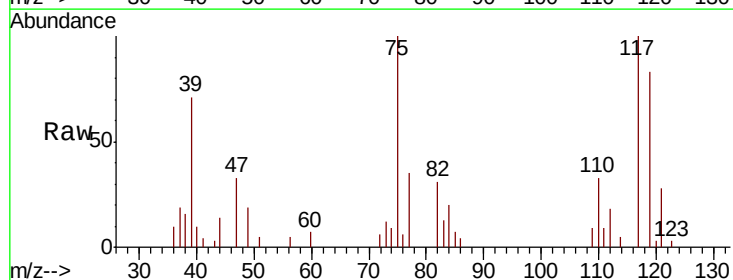
Tgt Ion: 117 Resp: 9266

Ion Ratio Lower Upper

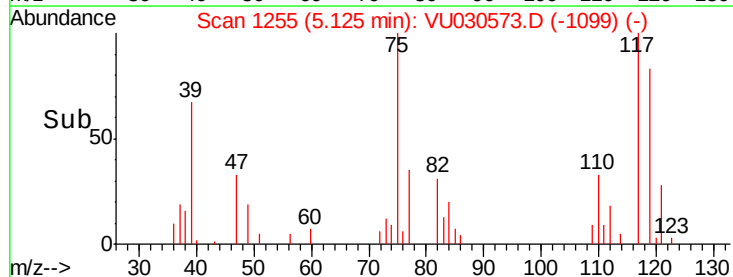
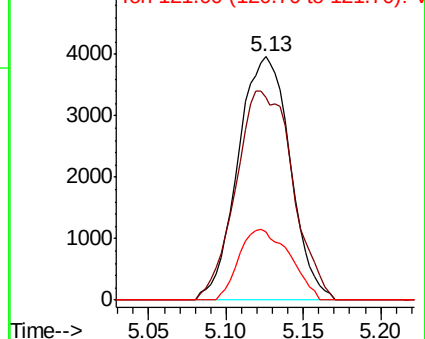
117 100

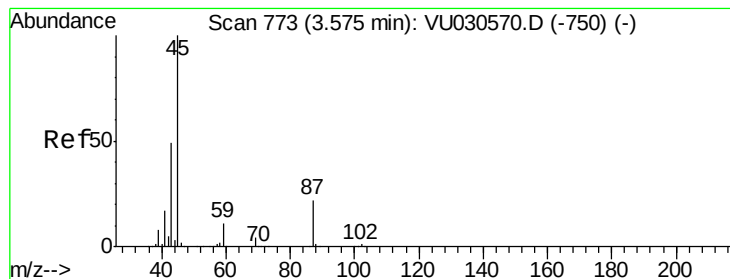
119 83.0 76.4 114.6

121 27.9 24.7 37.1



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V





#31

Isopropyl Ether

Concen: 0.654 ug/l

RT: 3.58 min Scan# 773

Delta R.T. 0.00 min

Lab File: VU030573.D

Acq: 30 Mar 2019 14:16

Instrument :

MSVOA_U

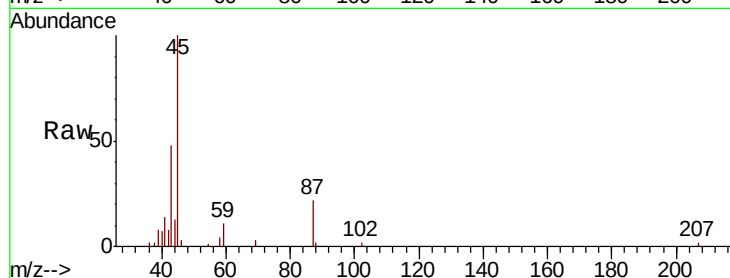
ClientSampled :

Tot Ion: 45 Resp: 24855

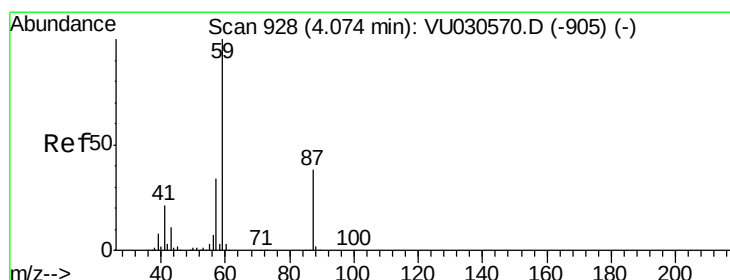
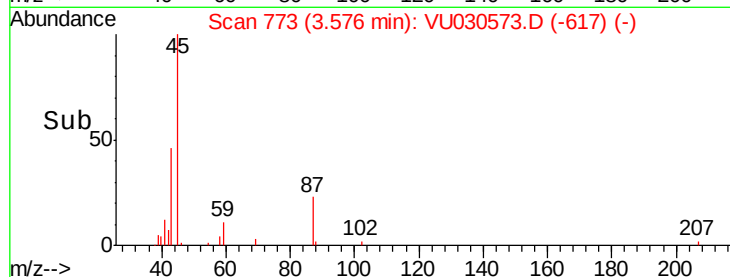
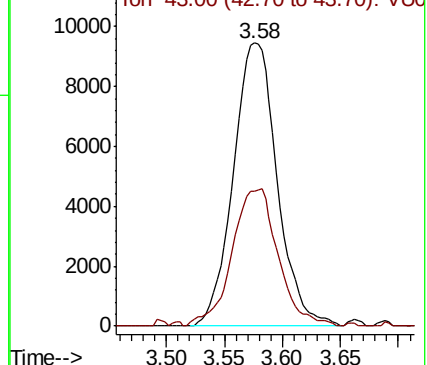
Ion Ratio Lower Upper

45 100

43 50.9 25.0 75.0



Abundance Ion 45.00 (44.70 to 45.70): VU030573.D (-750) (-)



#32

Ethyl-t-butyl ether

Concen: 0.576 ug/l

RT: 4.07 min Scan# 928

Delta R.T. 0.00 min

Lab File: VU030573.D

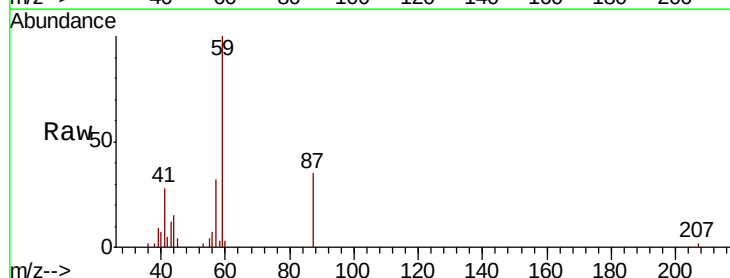
Acq: 30 Mar 2019 14:16

Tgt Ion: 59 Resp: 20284

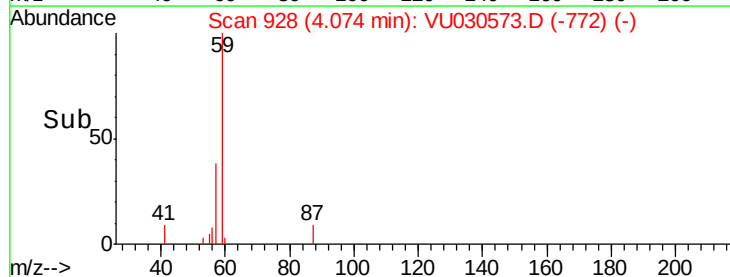
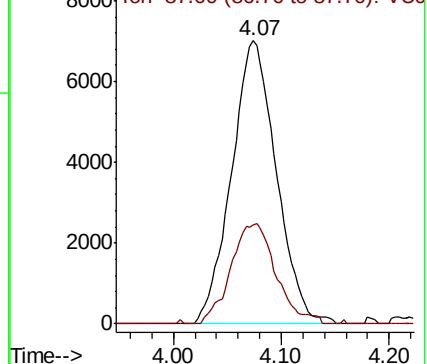
Ion Ratio Lower Upper

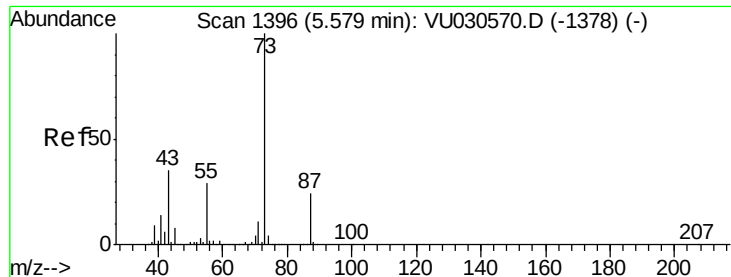
59 100

87 35.7 30.1 45.1



Abundance Ion 59.00 (58.70 to 59.70): VU030573.D (-905) (-)

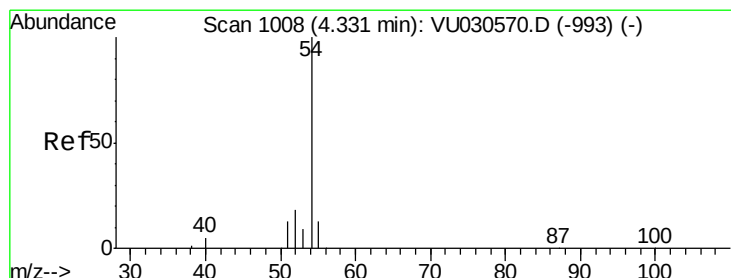
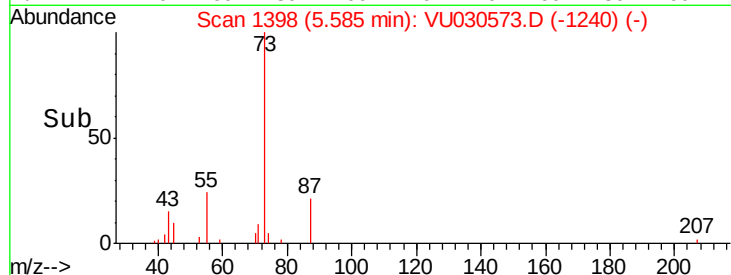
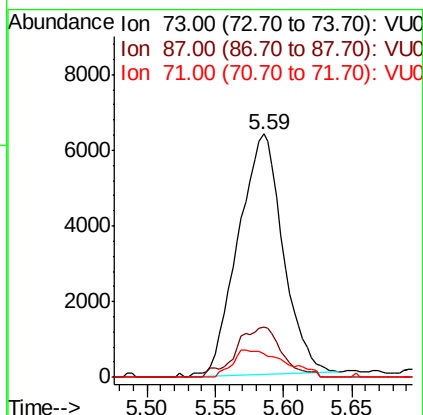
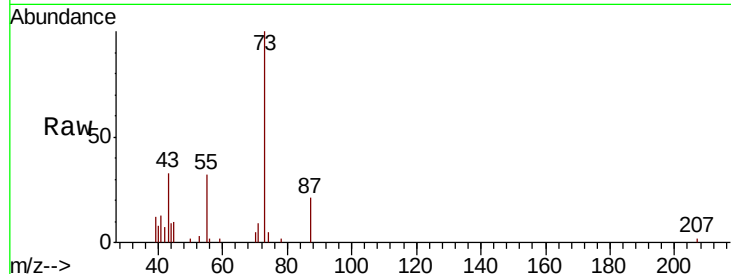




#33
Tert-Butyl methyl ether
Concen: 0.459 ug/l
RT: 5.59 min Scan# 1398
Delta R.T. 0.01 min
Lab File: VU030573.D
Acq: 30 Mar 2019 14:16

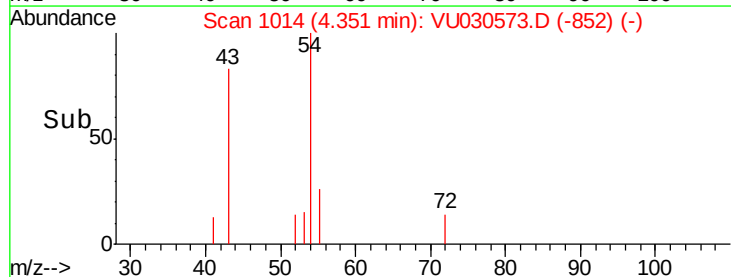
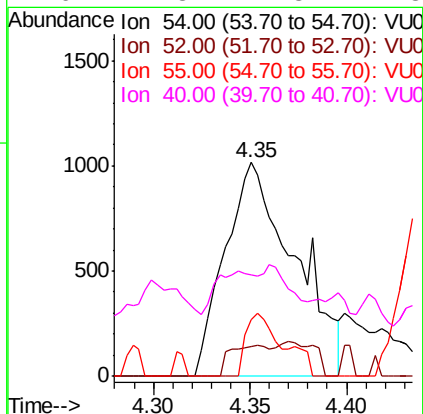
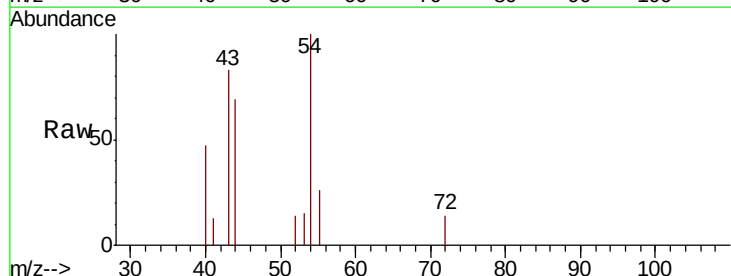
Instrument :
MSVOA_U
ClientSampleId :

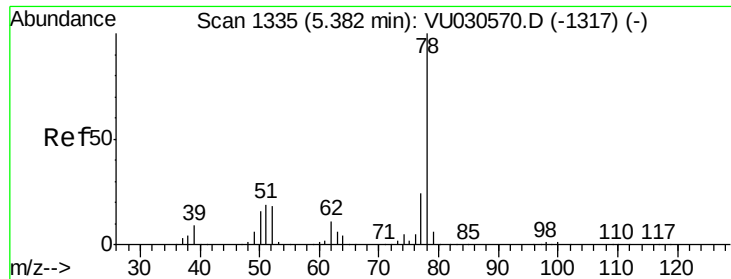
Tot Ion	73	Resp	14509
Ion Ratio	Lower	Upper	
73	100		
87	21.3	18.6	27.8
71	13.1	9.0	13.4



#34
Propionitrile
Concen: 2.550 ug/l
RT: 4.35 min Scan# 1014
Delta R.T. 0.02 min
Lab File: VU030573.D
Acq: 30 Mar 2019 14:16

Tgt Ion	54	Resp	2545
Ion Ratio	Lower	Upper	
54	100		
52	8.0	14.1	21.1#
55	12.6	10.4	15.6
40	11.3	1.8	2.8#





#35

Benzene

Concen: 0.501 ug/l

RT: 5.39 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU030573.D

Acq: 30 Mar 2019 14:16

Instrument :

MSVOA_U

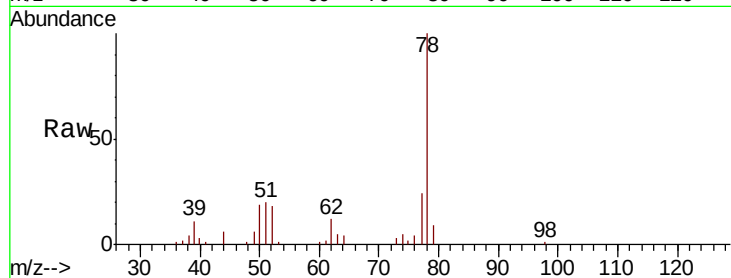
ClientSampleId :

Tot Ion: 78 Resp: 29444

Ion Ratio Lower Upper

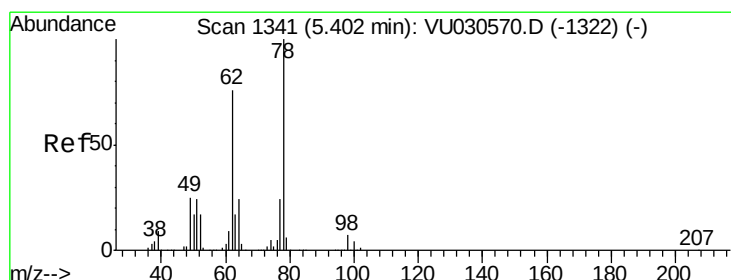
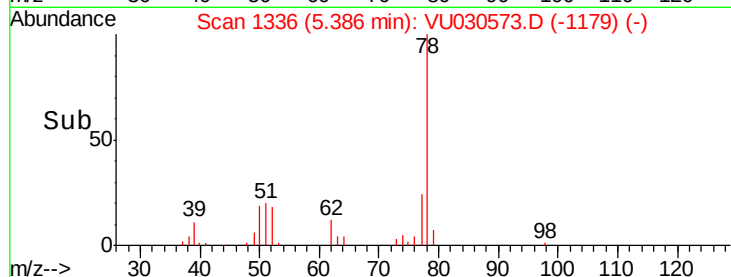
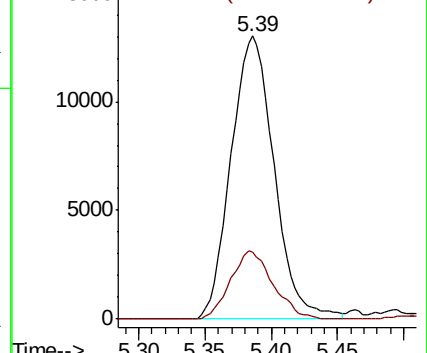
78 100

77 23.6 19.5 29.3



Abundance Ion 78.10 (77.80 to 78.80): VU030573.D (-1179) (-)

Ion 77.00 (76.70 to 77.70): VU030573.D (-1179) (-)



#36

1,2-Dichloroethane

Concen: 0.541 ug/l

RT: 5.41 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VU030573.D

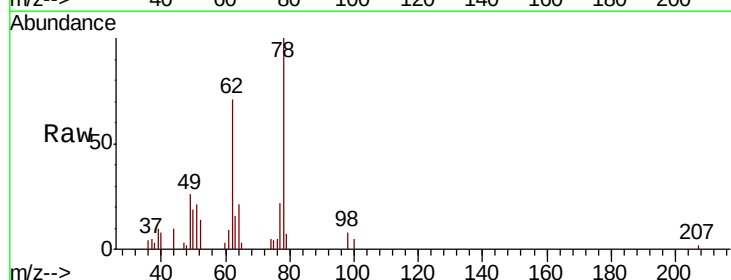
Acq: 30 Mar 2019 14:16

Tgt Ion: 62 Resp: 8738

Ion Ratio Lower Upper

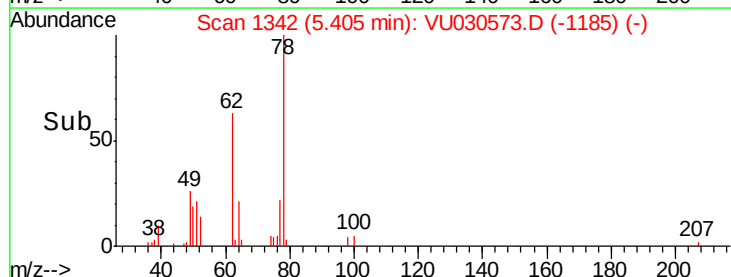
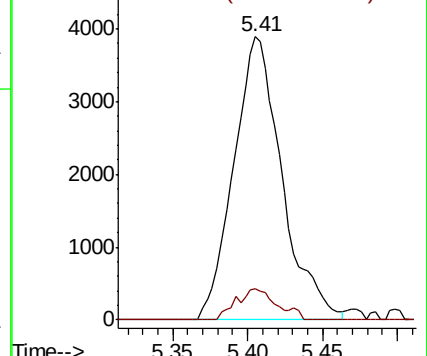
62 100

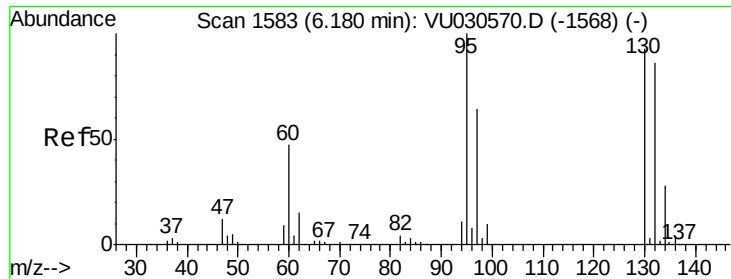
98 9.1 6.8 10.2



Abundance Ion 62.00 (61.70 to 62.70): VU030573.D (-1185) (-)

Ion 98.00 (97.70 to 98.70): VU030573.D (-1185) (-)

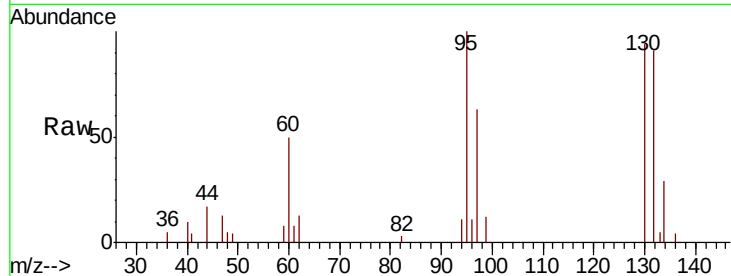




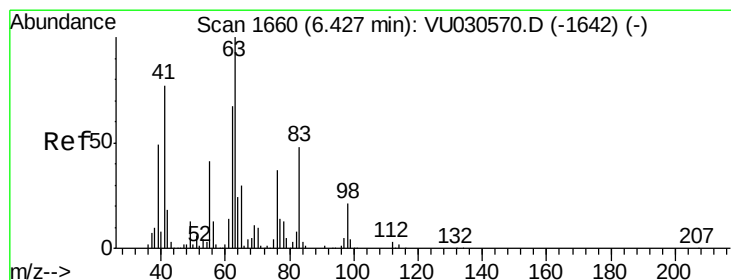
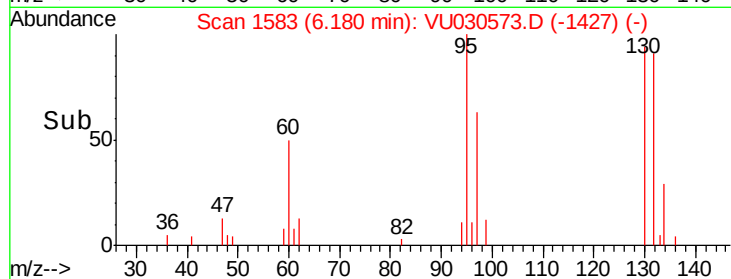
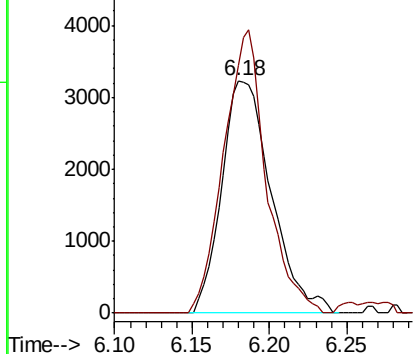
#37
 Trichloroethene
 Concen: 0.438 ug/l
 RT: 6.18 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: VU030573.D
 Acq: 30 Mar 2019 14:16

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:130 Resp: 7181
 Ion Ratio Lower Upper
 130 100
 95 106.7 85.8 128.8

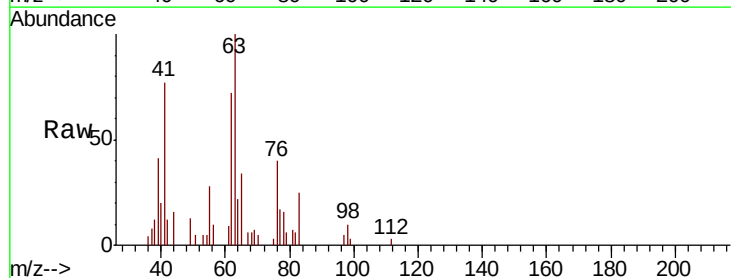


Abundance Ion 129.90 (129.60 to 130.60): VU030573.D (-1568) (-)
 Ion 94.90 (94.60 to 95.60): VU030573.D (-1568) (-)

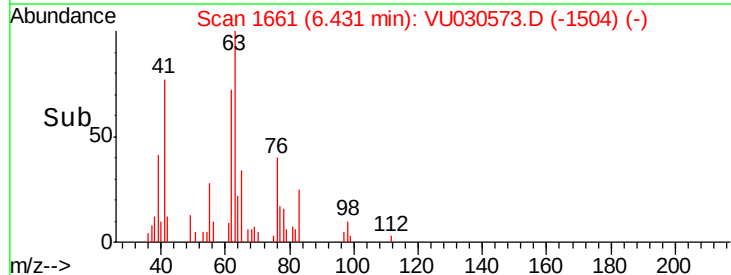
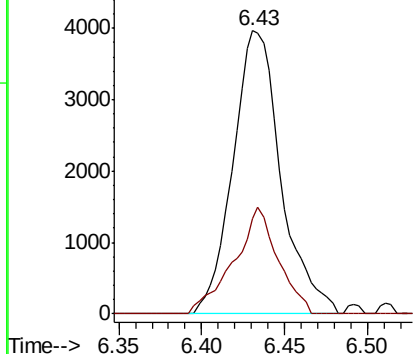


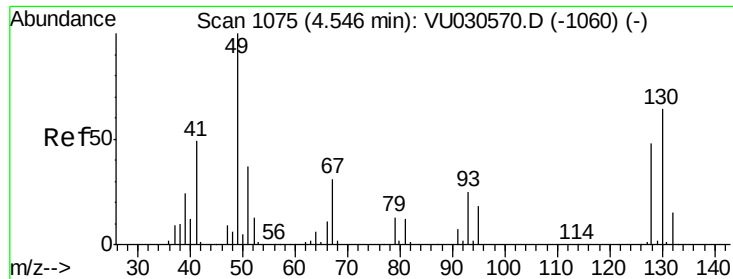
#38
 1,2-Dichloropropane
 Concen: 0.526 ug/l
 RT: 6.43 min Scan# 1661
 Delta R.T. 0.00 min
 Lab File: VU030573.D
 Acq: 30 Mar 2019 14:16

Tgt Ion: 63 Resp: 7987
 Ion Ratio Lower Upper
 63 100
 65 33.7 23.9 35.9



Abundance Ion 63.00 (62.70 to 63.70): VU030573.D (-1642) (-)
 Ion 65.00 (64.70 to 65.70): VU030573.D (-1642) (-)

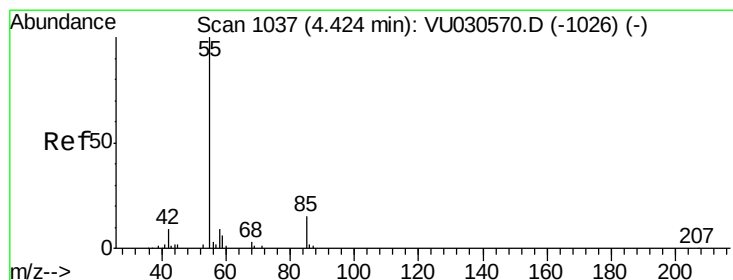
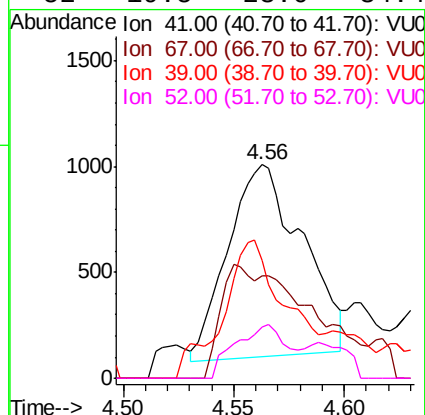
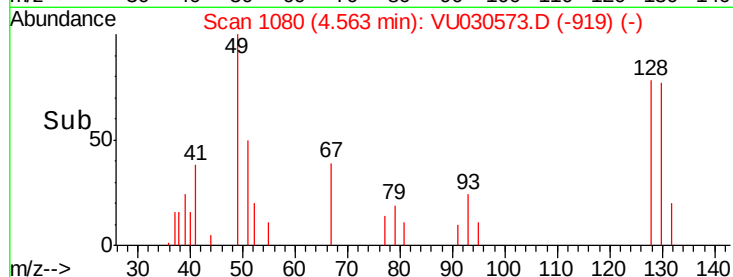
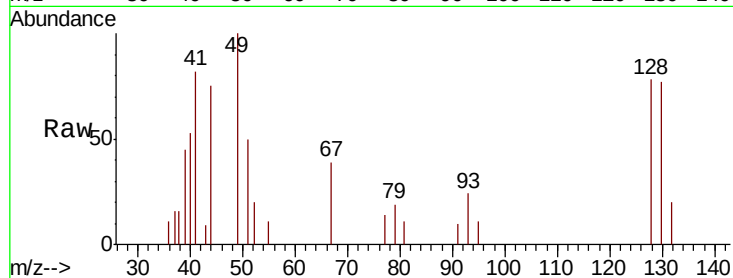




#39
Methacrylonitrile
Concen: 0.478 ug/l
RT: 4.56 min Scan# 1080
Delta R.T. 0.02 min
Lab File: VU030573.D
Acq: 30 Mar 2019 14:16

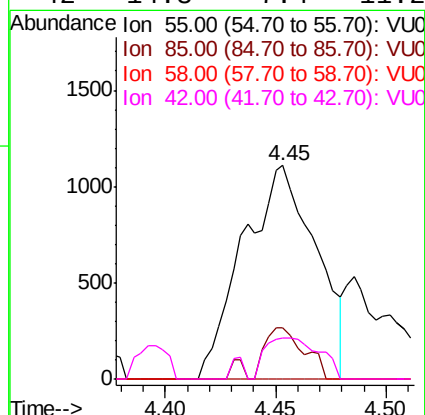
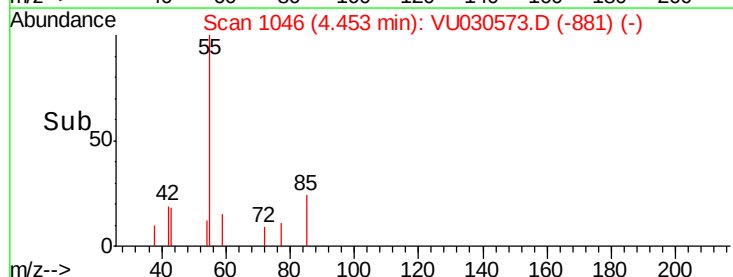
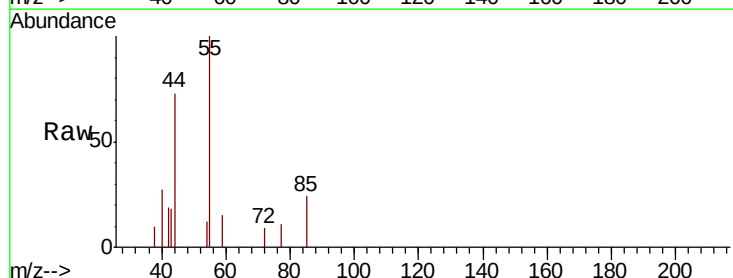
Instrument :
MSVOA_U
ClientSampleId :

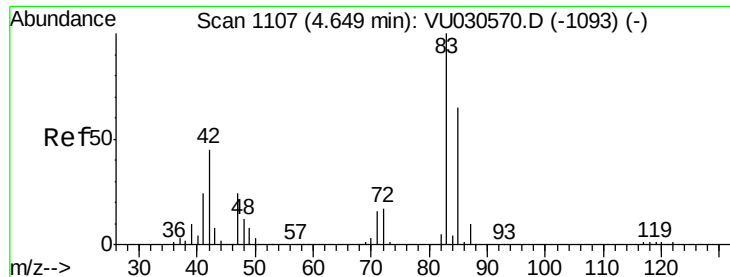
Tot Ion: 41 Resp: 2123
Ion Ratio Lower Upper
41 100
67 26.2 50.2 75.4#
39 63.2 40.7 61.1#
52 19.5 23.0 34.4#



#40
Methyl acrylate
Concen: 0.377 ug/l
RT: 4.45 min Scan# 1046
Delta R.T. 0.03 min
Lab File: VU030573.D
Acq: 30 Mar 2019 14:16

Tgt Ion: 55 Resp: 2549
Ion Ratio Lower Upper
55 100
85 12.8 12.5 18.7
58 0.0 6.3 9.5#
42 14.3 7.4 11.2#

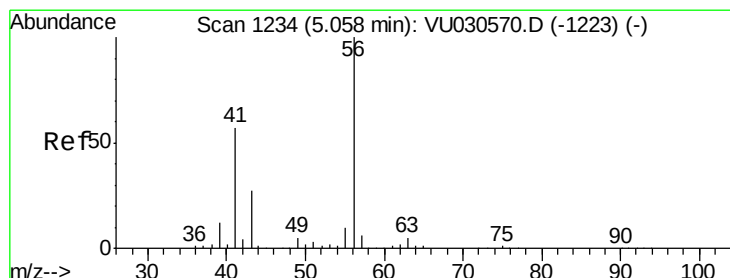
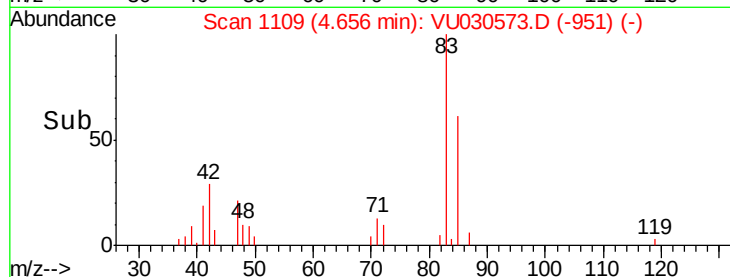
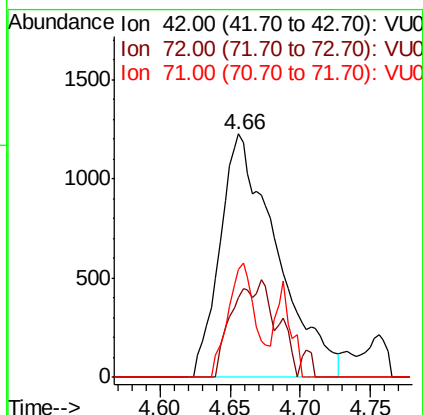
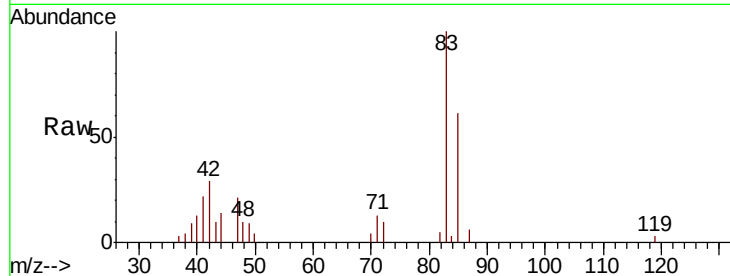




#41
Tetrahydrofuran
Concen: 1.426 ug/l
RT: 4.66 min Scan# 1109
Delta R.T. 0.01 min
Lab File: VU030573.D
Acq: 30 Mar 2019 14:16

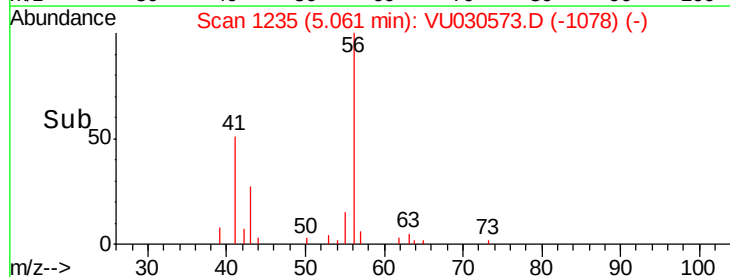
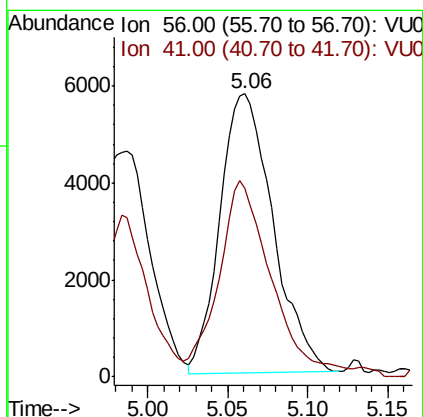
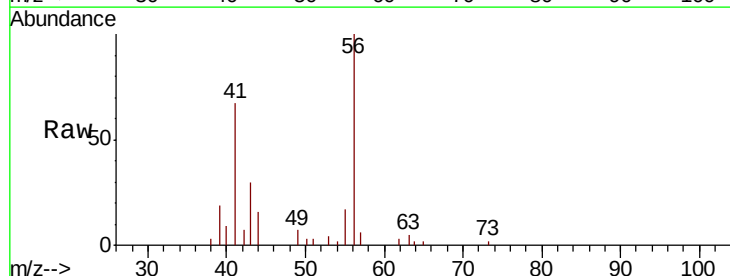
Instrument :
MSVOA_U
ClientSampled :

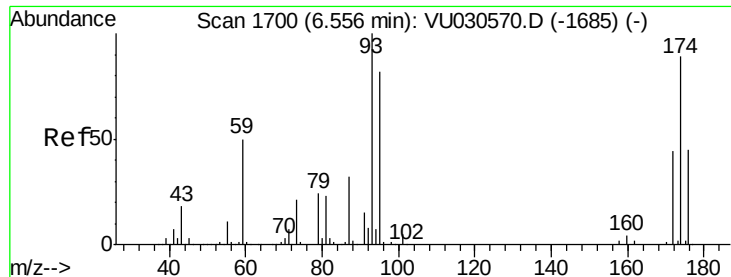
Tot Ion: 42 Resp: 3440
Ion Ratio Lower Upper
42 100
72 15.5 33.4 50.0#
71 23.0 28.8 43.2#



#42
1-Chlorobutane
Concen: 0.486 ug/l
RT: 5.06 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VU030573.D
Acq: 30 Mar 2019 14:16

Tgt Ion: 56 Resp: 13144
Ion Ratio Lower Upper
56 100
41 63.8 28.5 85.6

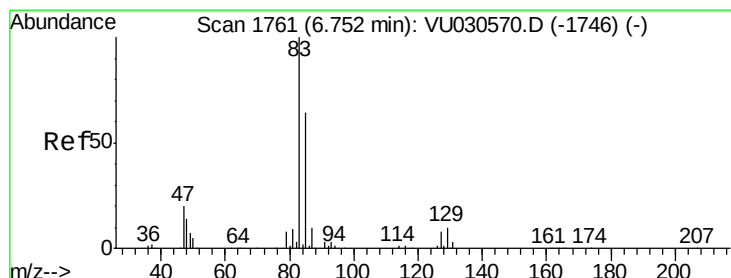
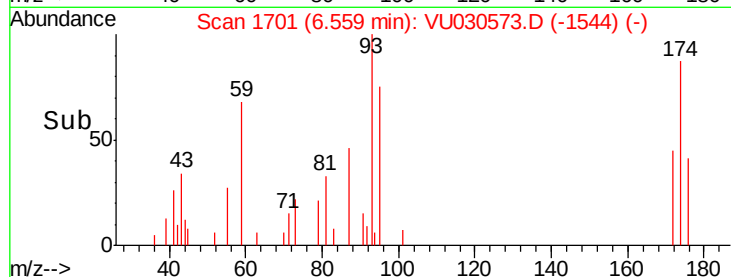
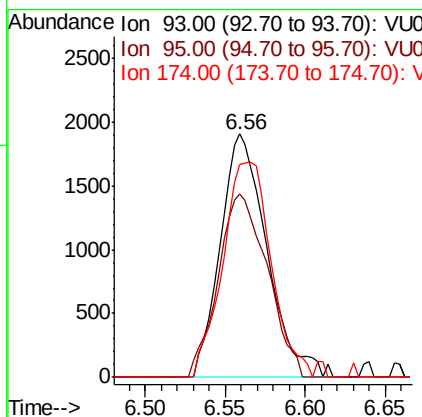
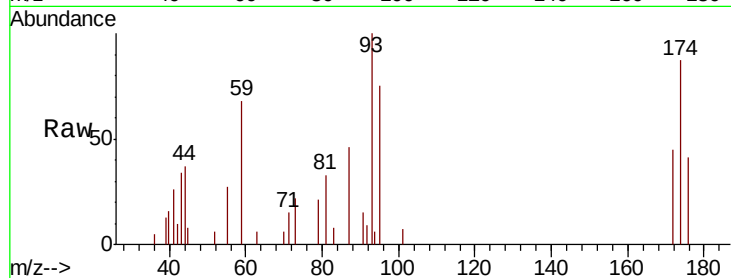




#43
Dibromomethane
Concen: 0.494 ug/l
RT: 6.56 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VU030573.D
Acq: 30 Mar 2019 14:16

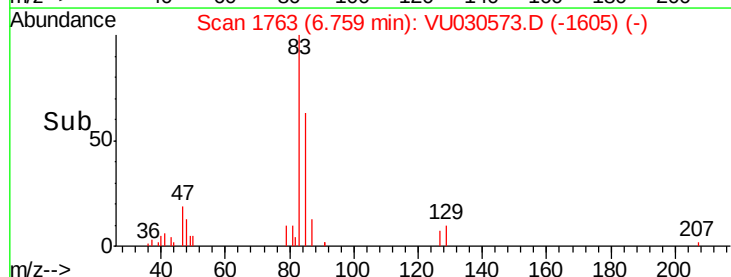
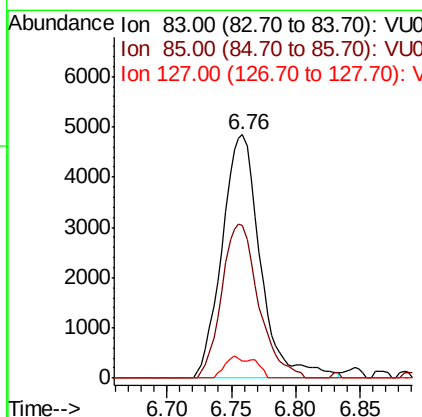
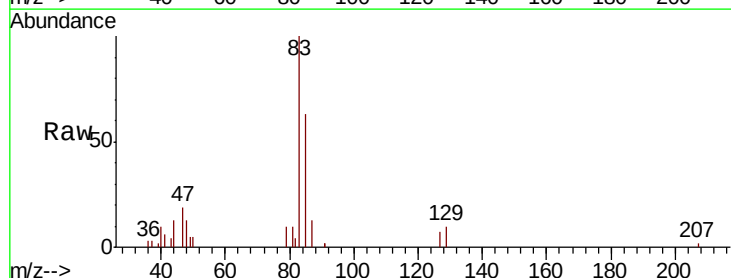
Instrument :
MSVOA_U
ClientSampled :

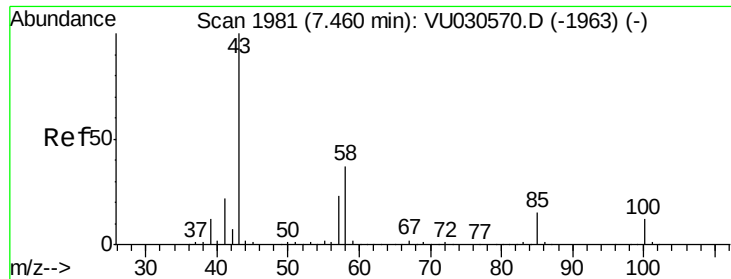
Tot Ion: 93 Resp: 3800
Ion Ratio Lower Upper
93 100
95 79.5 63.9 95.9
174 91.6 71.0 106.4



#44
Bromodichloromethane
Concen: 0.537 ug/l
RT: 6.76 min Scan# 1763
Delta R.T. 0.01 min
Lab File: VU030573.D
Acq: 30 Mar 2019 14:16

Tgt Ion: 83 Resp: 9987
Ion Ratio Lower Upper
83 100
85 62.8 51.1 76.7
127 7.1 6.1 9.1

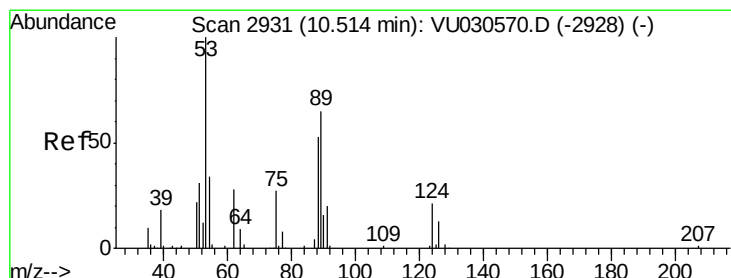
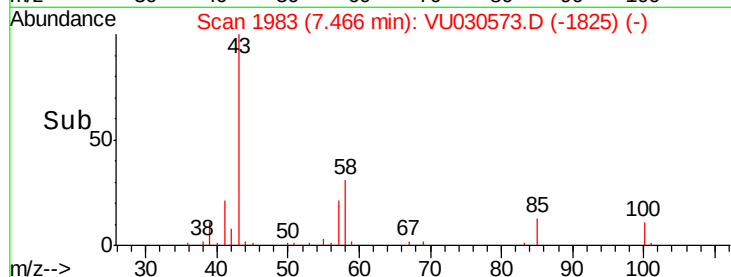
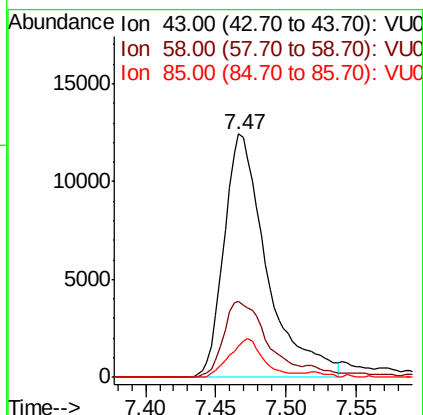
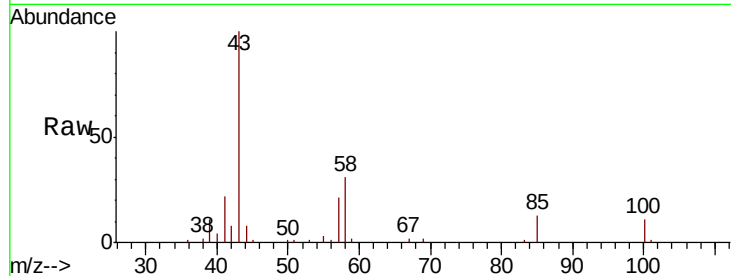




#45
4-Methyl-2-Pentanone
Concen: 3.248 ug/l
RT: 7.47 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VU030573.D
Acq: 30 Mar 2019 14:16

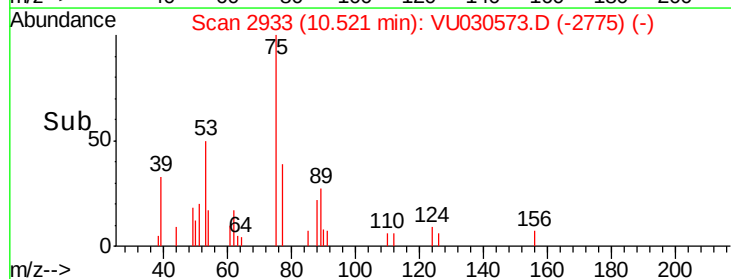
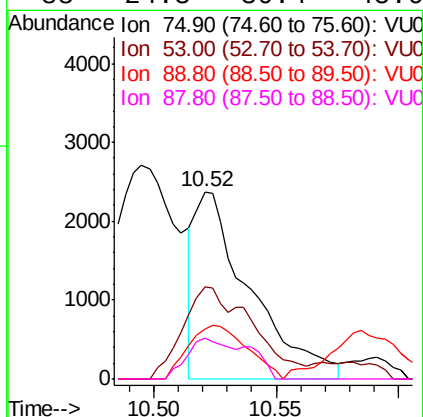
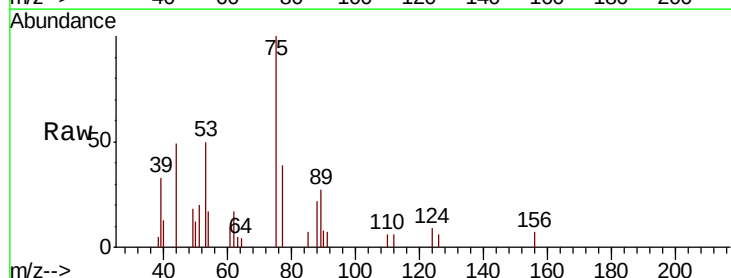
Instrument :
MSVOA_U
ClientSampleId :

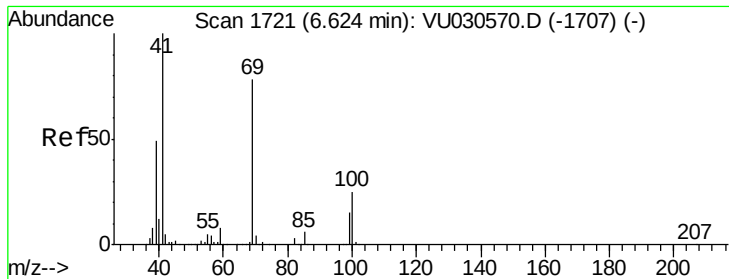
Tot Ion: 43 Resp: 26348
Ion Ratio Lower Upper
43 100
58 31.1 18.6 55.8
85 12.9 11.8 17.6



#46
t-1,4-Dichloro-2-butene
Concen: 1.244 ug/l
RT: 10.52 min Scan# 2933
Delta R.T. 0.01 min
Lab File: VU030573.D
Acq: 30 Mar 2019 14:16

Tgt Ion: 75 Resp: 3699
Ion Ratio Lower Upper
75 100
53 63.0 63.4 95.2#
89 30.7 39.1 58.7#
88 24.3 30.4 45.6#

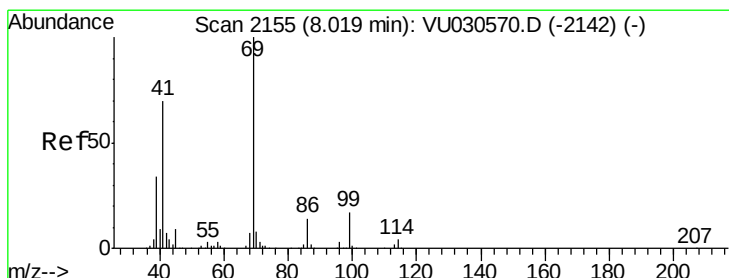
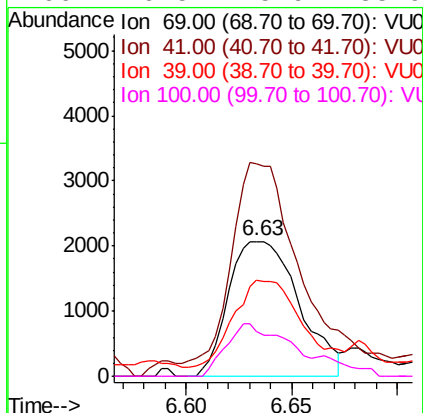
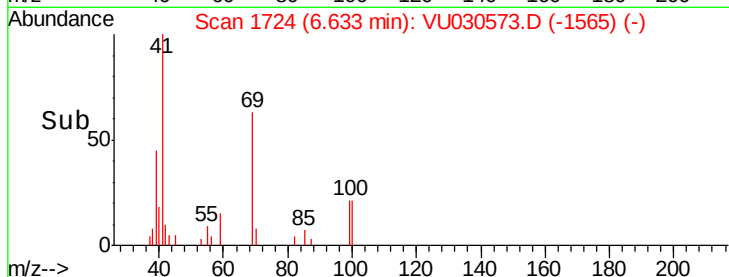
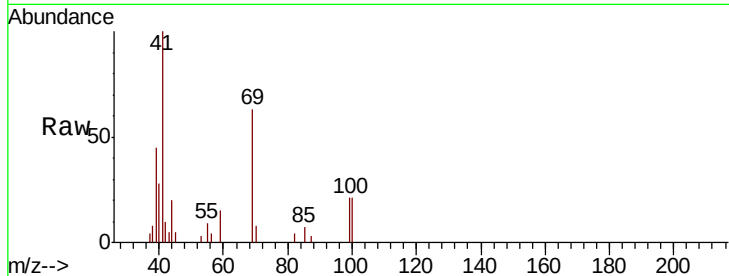




#47
Methvl methacrylate
Concen: 0.737 ug/l
RT: 6.63 min Scan# 1724
Delta R.T. 0.01 min
Lab File: VU030573.D
Acq: 30 Mar 2019 14:16

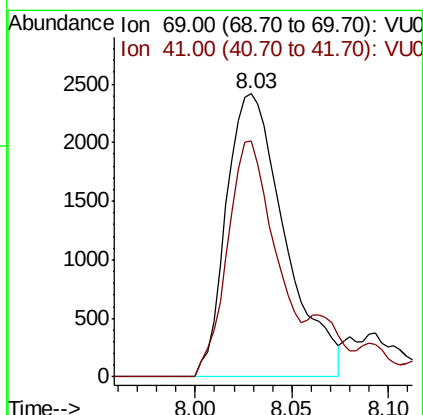
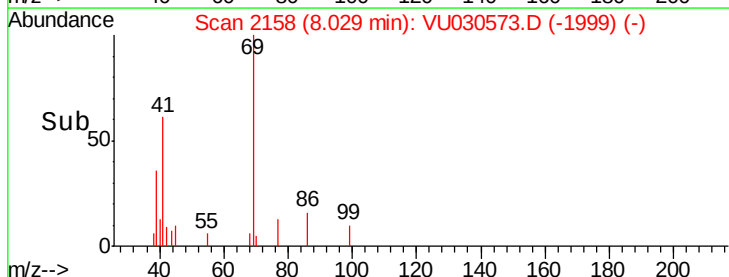
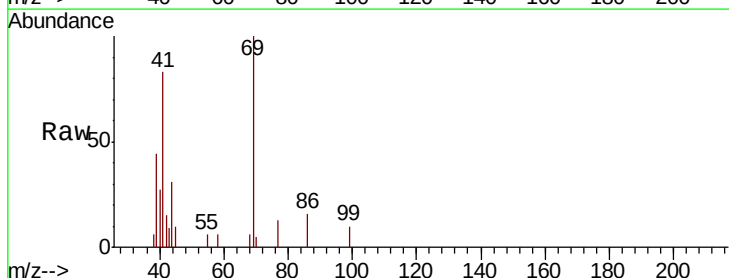
Instrument :
MSVOA_U
ClientSampleId :

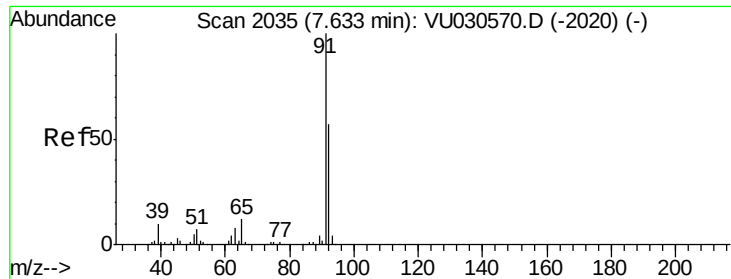
Tot Ion: 69 Resp: 4802
Ion Ratio Lower Upper
69 100
41 144.1 0.0 258.0
39 62.0 51.0 76.4
100 40.5 25.9 38.9#



#48
Ethyl methacrylate
Concen: 0.417 ug/l
RT: 8.03 min Scan# 2158
Delta R.T. 0.01 min
Lab File: VU030573.D
Acq: 30 Mar 2019 14:16

Tgt Ion: 69 Resp: 5101
Ion Ratio Lower Upper
69 100
41 68.0 36.1 108.5





#49

Toluene

Concen: 0.424 ug/l

RT: 7.64 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VU030573.D

Acq: 30 Mar 2019 14:16

Instrument :

MSVOA_U

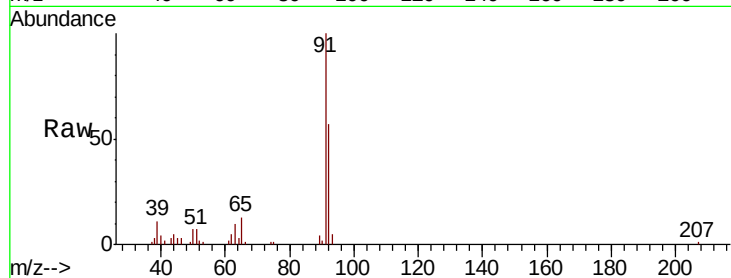
ClientSampleId :

Tot Ion: 92 Resp: 14803

Ion Ratio Lower Upper

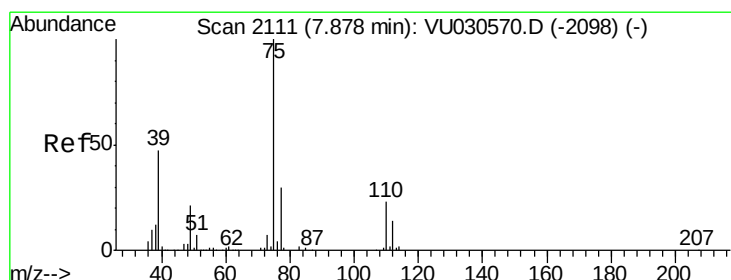
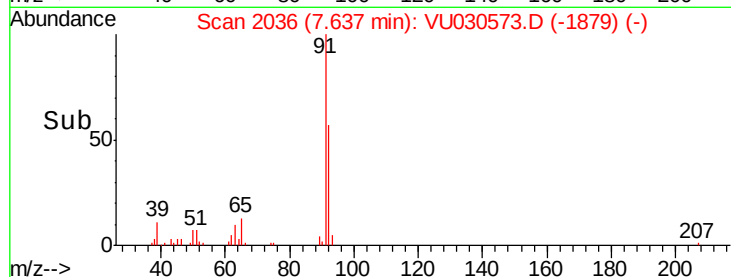
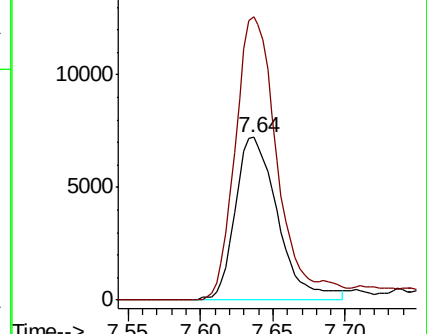
92 100

91 167.0 140.2 210.4



Abundance Ion 92.00 (91.70 to 92.70): VU030573.D (-1879) (-)

Ion 91.00 (90.70 to 91.70): VU030573.D (-1879) (-)



#50

t-1,3-Dichloropropene

Concen: 0.423 ug/l

RT: 7.89 min Scan# 2114

Delta R.T. 0.01 min

Lab File: VU030573.D

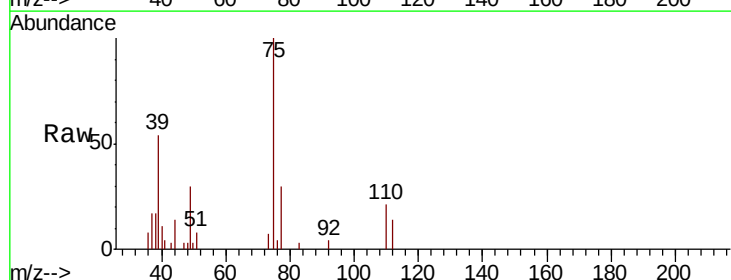
Acq: 30 Mar 2019 14:16

Tgt Ion: 75 Resp: 7001

Ion Ratio Lower Upper

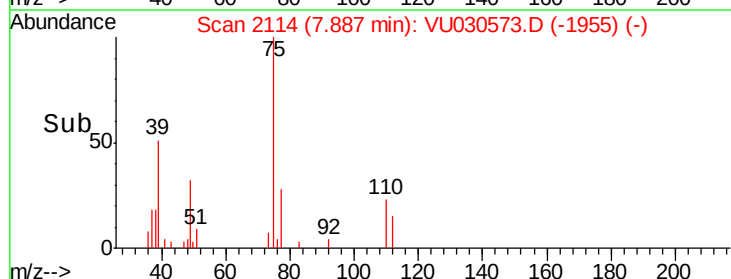
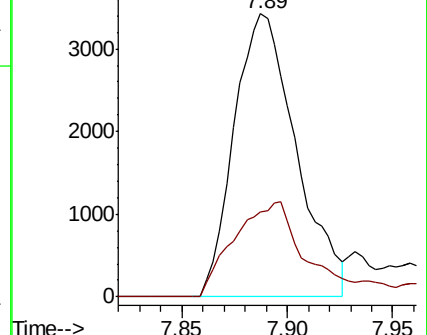
75 100

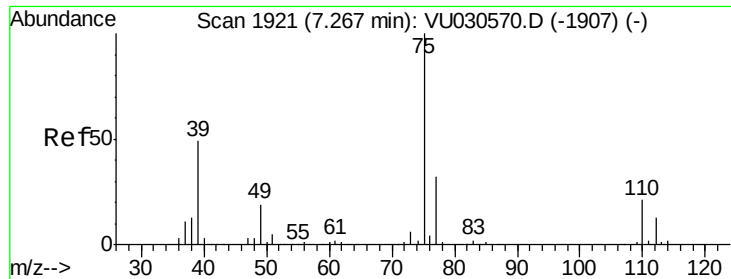
77 29.9 24.4 36.6



Abundance Ion 75.00 (74.70 to 75.70): VU030573.D (-1955) (-)

Ion 77.00 (76.70 to 77.70): VU030573.D (-1955) (-)



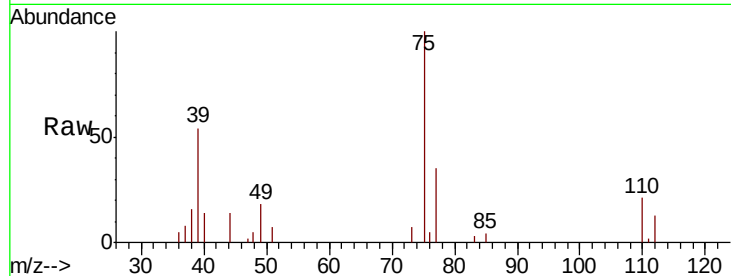


#51

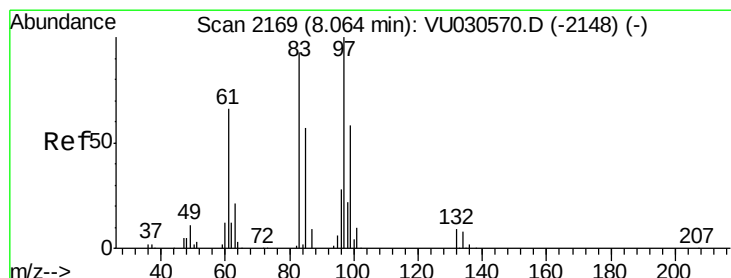
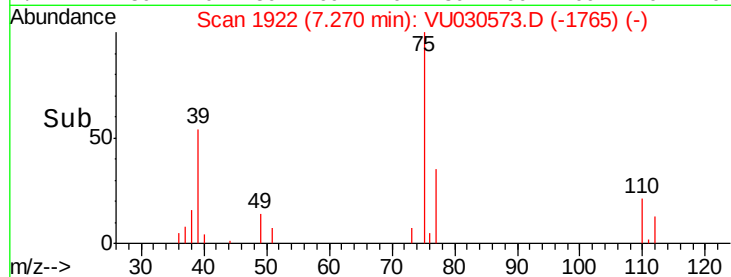
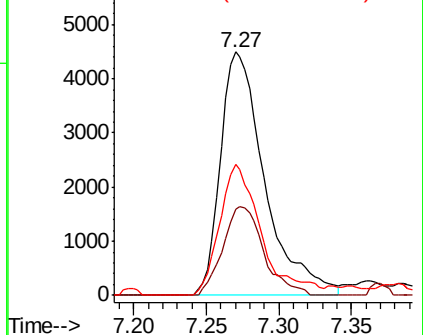
cis-1,3-Dichloropropene
 Concen: 0.462 ug/l
 RT: 7.27 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VU030573.D
 Acq: 30 Mar 2019 14:16

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 75 Resp: 9537
 Ion Ratio Lower Upper
 75 100
 77 35.3 25.8 38.6
 39 54.0 39.3 58.9



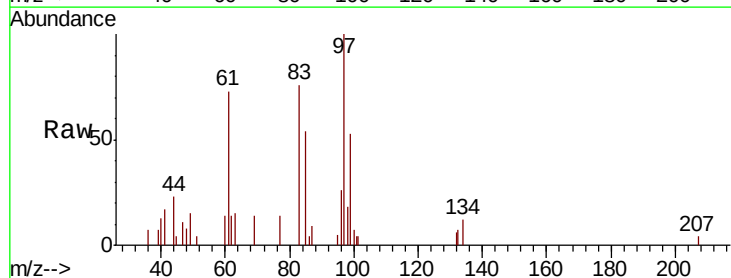
Abundance Ion 75.00 (74.70 to 75.70): VU0
 Ion 77.00 (76.70 to 77.70): VU0
 Ion 39.00 (38.70 to 39.70): VU0



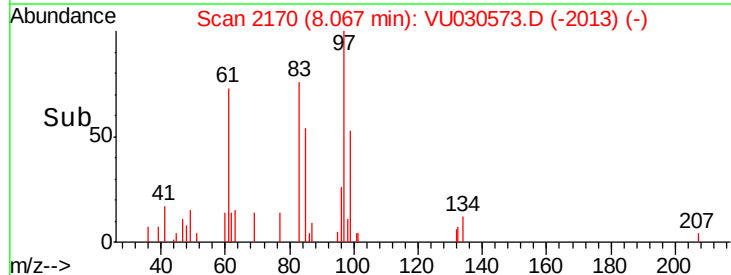
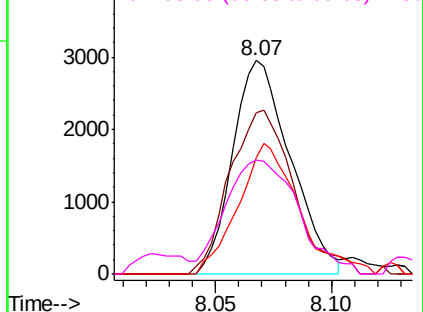
#52

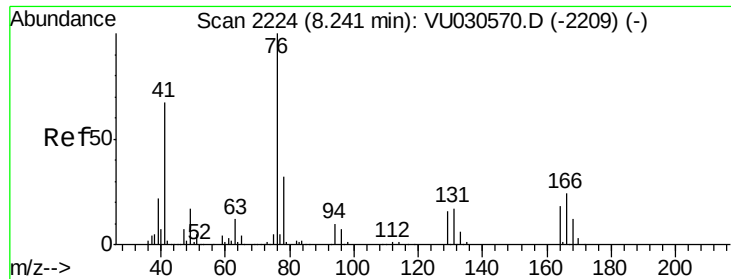
1,1,2-Trichloroethane
 Concen: 0.473 ug/l
 RT: 8.07 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VU030573.D
 Acq: 30 Mar 2019 14:16

Tgt Ion: 97 Resp: 5094
 Ion Ratio Lower Upper
 97 100
 83 75.8 74.3 111.5
 85 54.5 45.4 68.0
 99 47.7 46.6 70.0



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

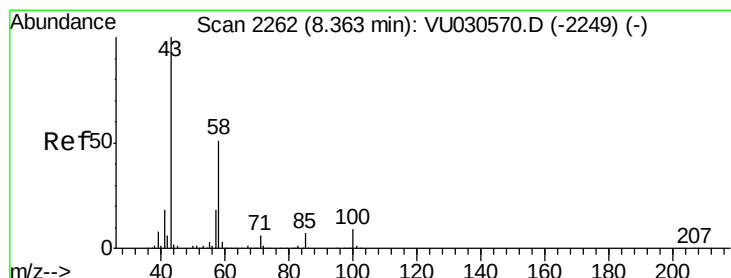
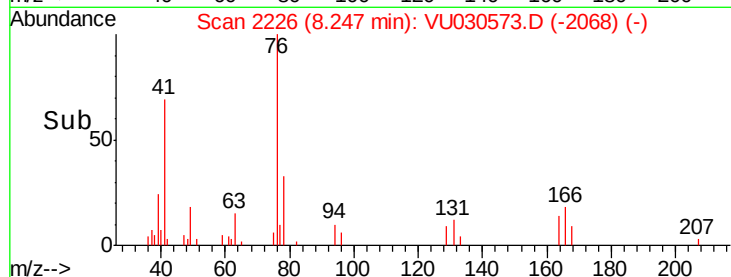
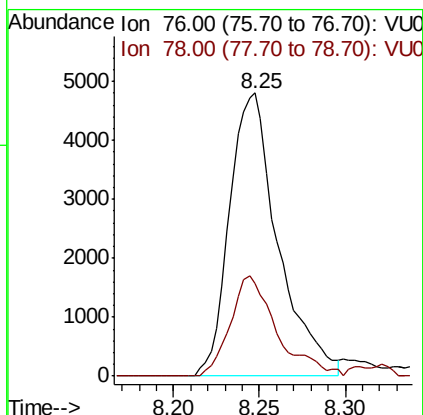
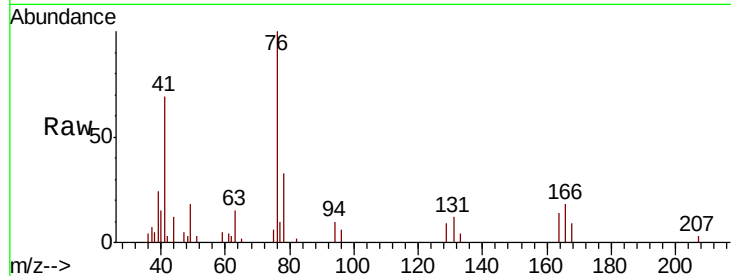




#53
 1,3-Dichloropropane
 Concen: 0.515 ug/l
 RT: 8.25 min Scan# 2226
 Delta R.T. 0.01 min
 Lab File: VU030573.D
 Acq: 30 Mar 2019 14:16

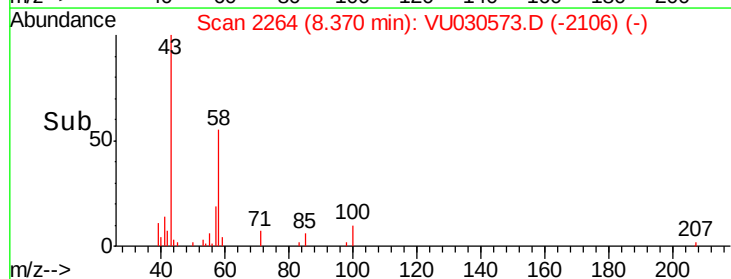
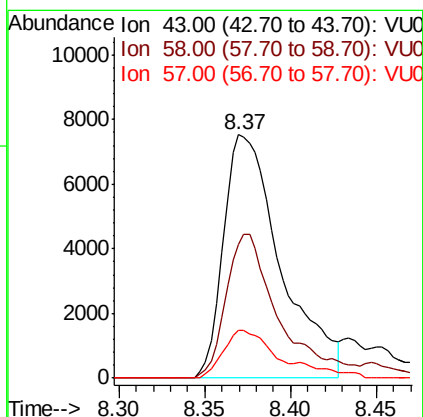
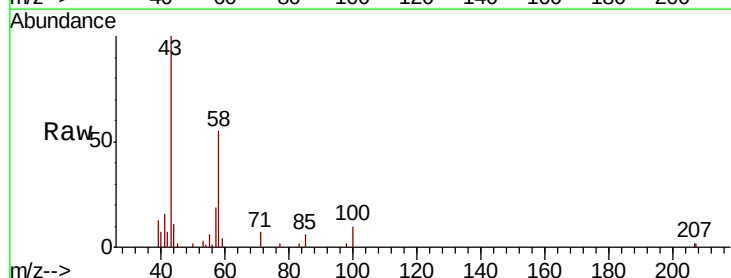
Instrument :
 MSVOA_U
 ClientSampled :

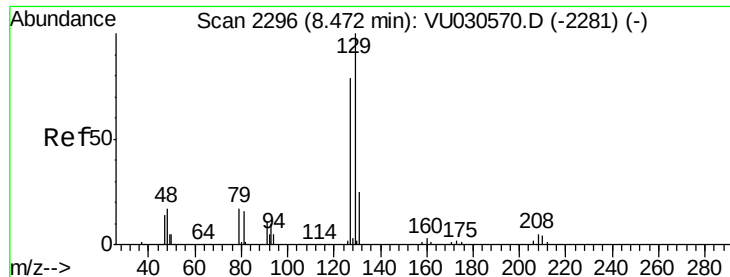
Tot Ion: 76 Resp: 9430
 Ion Ratio Lower Upper
 76 100
 78 33.8 25.3 37.9



#54
 2-Hexanone
 Concen: 3.026 ug/l
 RT: 8.37 min Scan# 2264
 Delta R.T. 0.01 min
 Lab File: VU030573.D
 Acq: 30 Mar 2019 14:16

Tgt Ion: 43 Resp: 17506
 Ion Ratio Lower Upper
 43 100
 58 54.6 32.5 72.5
 57 19.3 0.0 37.6





#55

Dibromochloromethane

Concen: 0.444 ug/l

RT: 8.48 min Scan# 2298

Delta R.T. 0.01 min

Lab File: VU030573.D

Acq: 30 Mar 2019 14:16

Instrument :

MSVOA_U

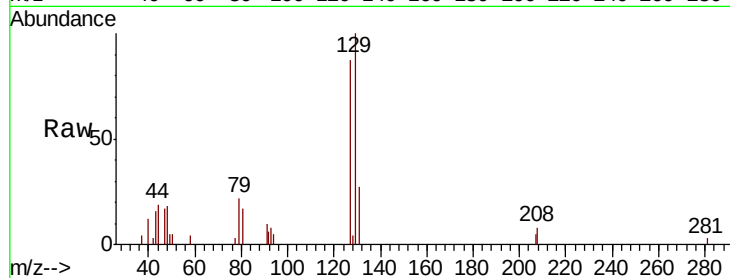
ClientSampleId :

Tot Ion:129 Resp: 5692

Ion Ratio Lower Upper

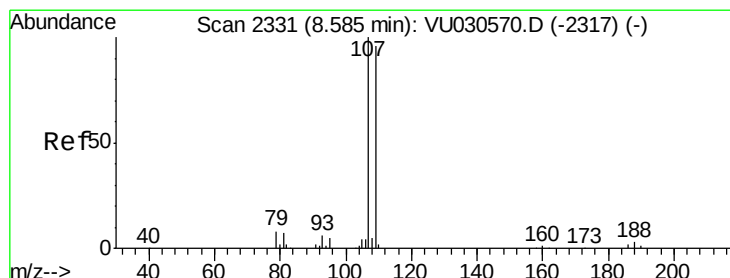
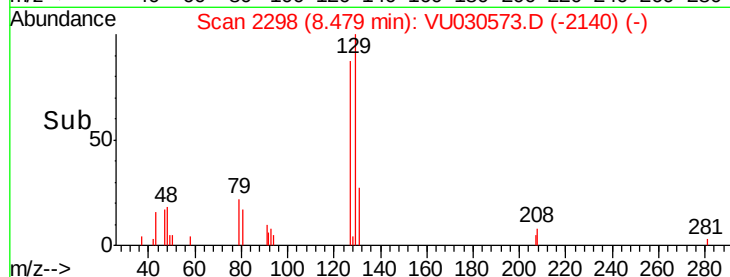
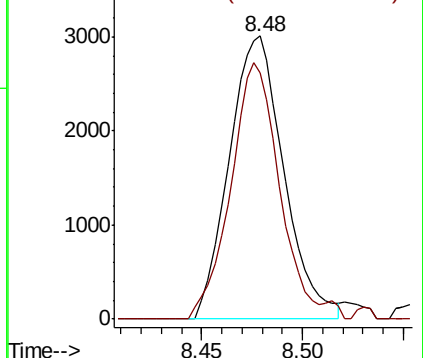
129 100

127 80.0 62.2 93.4



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#56

1,2-Dibromoethane

Concen: 0.474 ug/l

RT: 8.59 min Scan# 2332

Delta R.T. 0.00 min

Lab File: VU030573.D

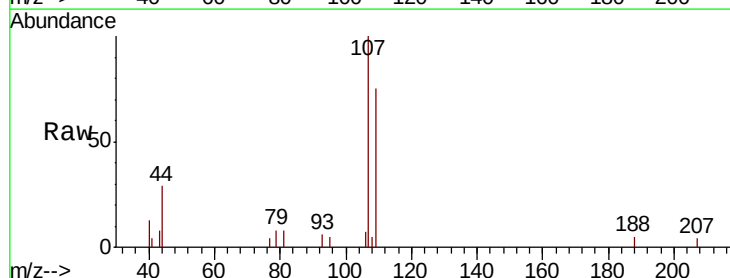
Acq: 30 Mar 2019 14:16

Tgt Ion:107 Resp: 4862

Ion Ratio Lower Upper

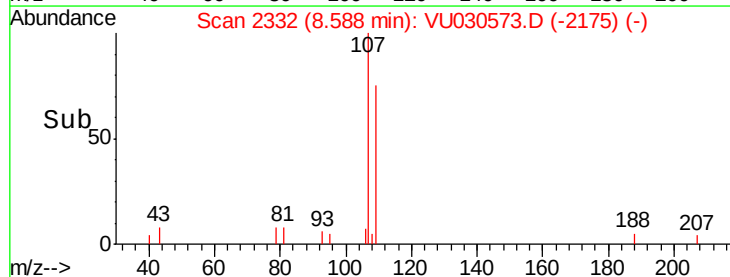
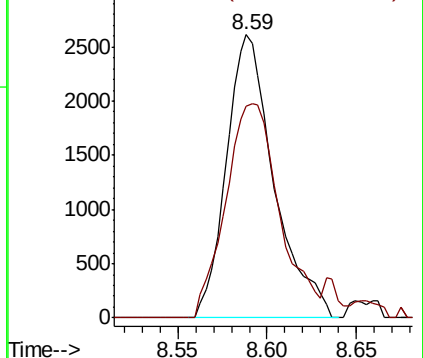
107 100

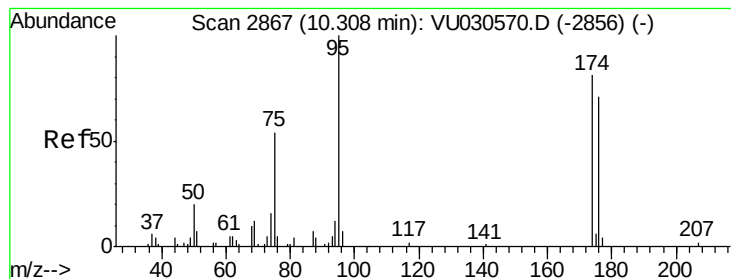
109 85.5 0.0 190.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#57

4-Bromofluorobenzene

Concen: 0.474 ug/l

RT: 10.31 min Scan# 2867

Delta R.T. 0.00 min

Lab File: VU030573.D

Acq: 30 Mar 2019 14:16

Instrument :

MSVOA_U

ClientSampled :

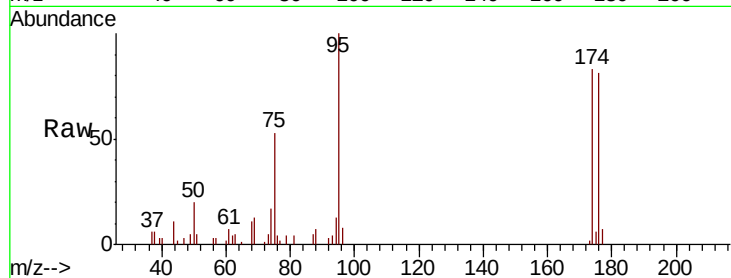
Tot Ion: 95 Resp: 18282

Ion Ratio Lower Upper

95 100

174 74.4 60.5 90.7

176 72.8 57.9 86.9

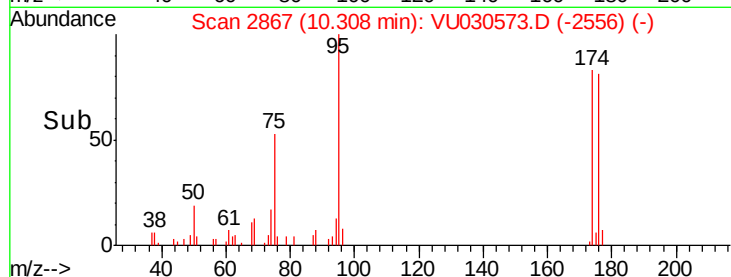


Abundance Ion 95.00 (94.70 to 95.70): VU030573.D (-2856) (-)

Ion 174.00 (173.70 to 174.70): VU030573.D (-2856) (-)

Ion 176.00 (175.70 to 176.70): VU030573.D (-2856) (-)

Time-->



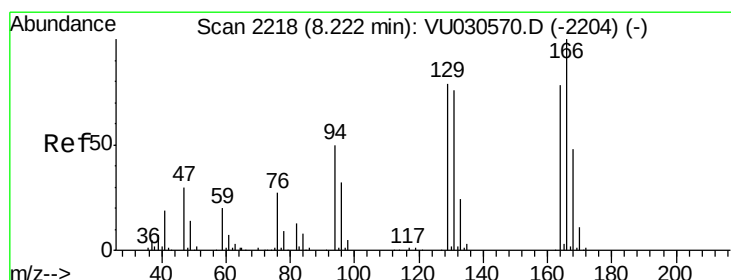
Abundance

Ion 95.00 (94.70 to 95.70): VU030573.D (-2556) (-)

Ion 174.00 (173.70 to 174.70): VU030573.D (-2556) (-)

Ion 176.00 (175.70 to 176.70): VU030573.D (-2556) (-)

Time-->



#58

Tetrachloroethene

Concen: 0.424 ug/l

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU030573.D

Acq: 30 Mar 2019 14:16

Tgt Ion:164 Resp: 6301

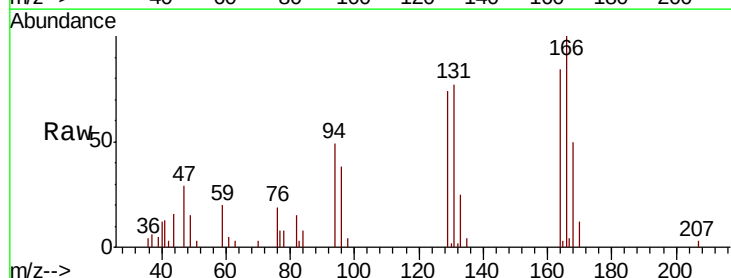
Ion Ratio Lower Upper

164 100

166 118.7 102.4 153.6

129 88.0 81.4 122.0

131 91.8 77.7 116.5



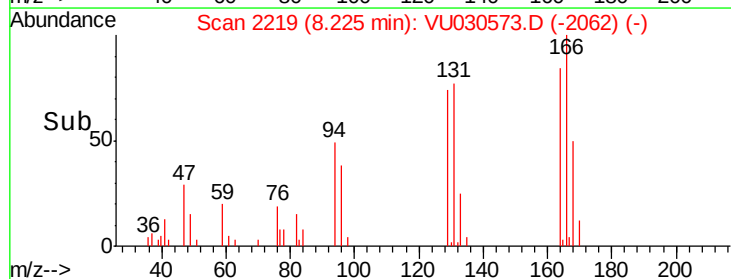
Abundance Ion 163.85 (163.55 to 164.55): VU030573.D (-2062) (-)

Ion 165.80 (165.50 to 166.50): VU030573.D (-2062) (-)

Ion 128.90 (128.60 to 129.60): VU030573.D (-2062) (-)

Ion 130.90 (130.60 to 131.60): VU030573.D (-2062) (-)

Time-->



Abundance

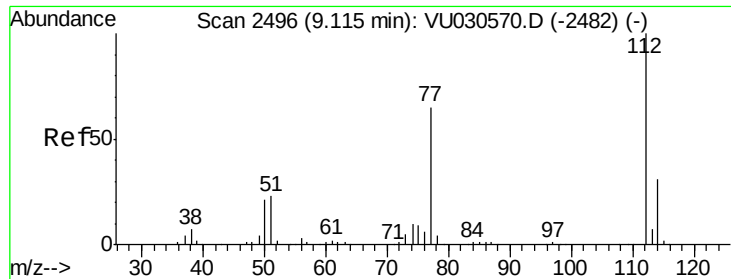
Ion 163.85 (163.55 to 164.55): VU030573.D (-2062) (-)

Ion 165.80 (165.50 to 166.50): VU030573.D (-2062) (-)

Ion 128.90 (128.60 to 129.60): VU030573.D (-2062) (-)

Ion 130.90 (130.60 to 131.60): VU030573.D (-2062) (-)

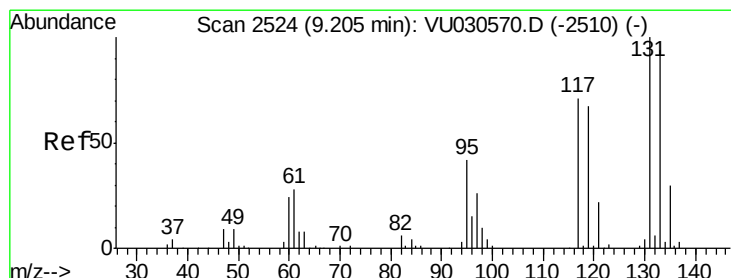
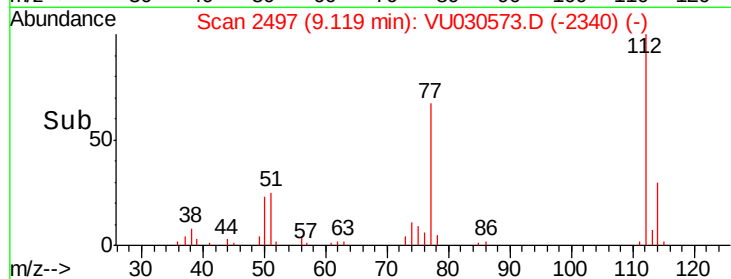
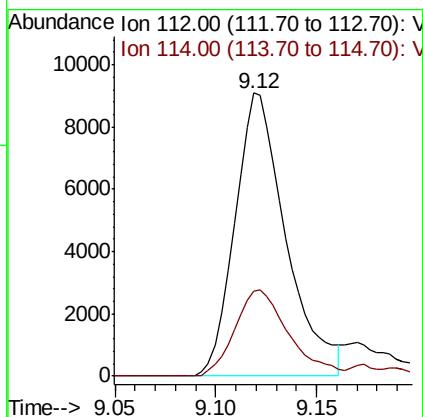
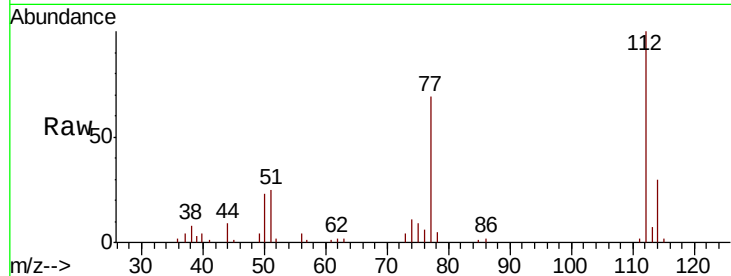
Time-->



#59
Chlorobenzene
Concen: 0.406 ug/l
RT: 9.12 min Scan# 2497
Delta R.T. 0.00 min
Lab File: VU030573.D
Acq: 30 Mar 2019 14:16

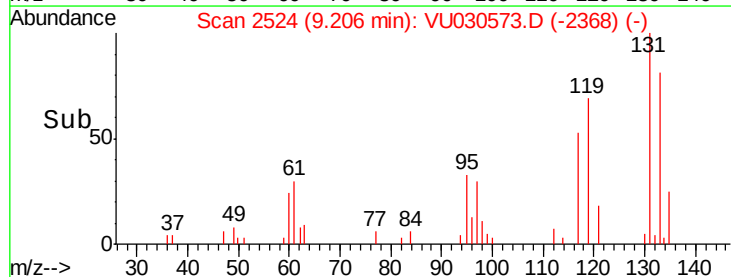
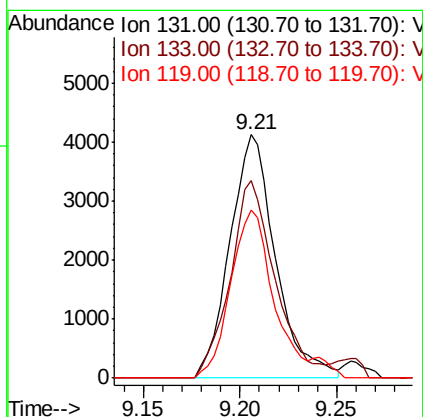
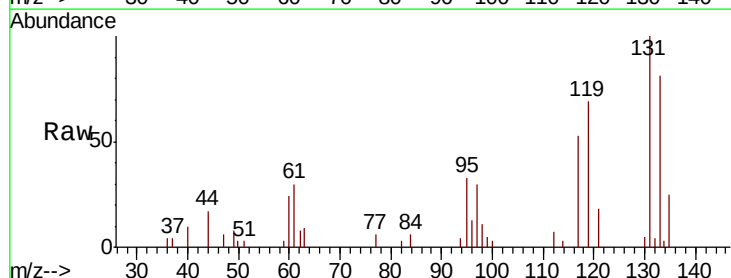
Instrument :
MSVOA_U
ClientSampleId :

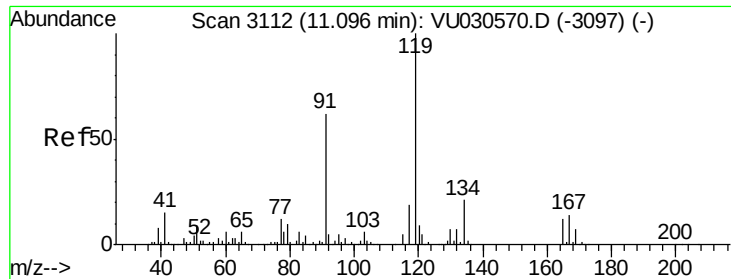
Tot Ion:112 Resp: 16068
Ion Ratio Lower Upper
112 100
114 30.2 24.9 37.3



#60
1,1,1,2-Tetrachloroethane
Concen: 0.487 ug/l
RT: 9.21 min Scan# 2524
Delta R.T. 0.00 min
Lab File: VU030573.D
Acq: 30 Mar 2019 14:16

Tgt Ion:131 Resp: 6760
Ion Ratio Lower Upper
131 100
133 80.1 77.5 116.3
119 64.2 53.2 79.8

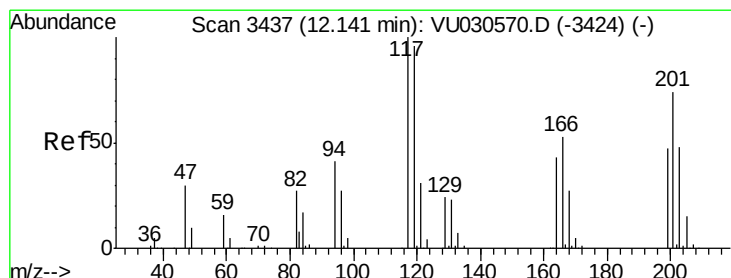
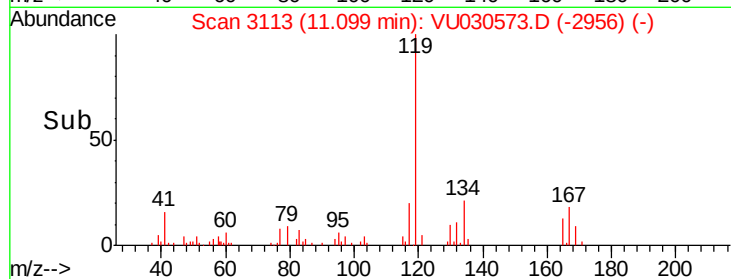
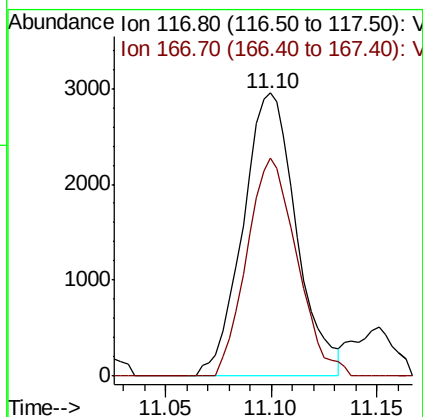
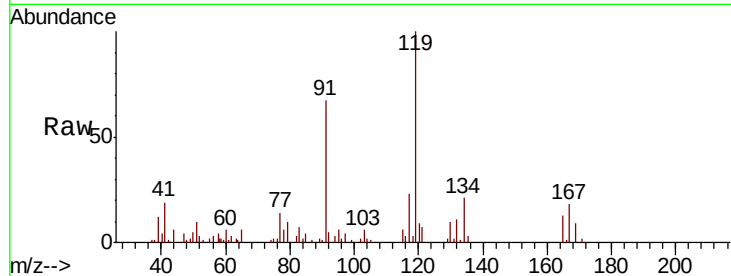




#61
 Pentachloroethane
 Concen: 0.482 ug/l
 RT: 11.10 min Scan# 3113
 Delta R.T. 0.00 min
 Lab File: VU030573.D
 Acq: 30 Mar 2019 14:16

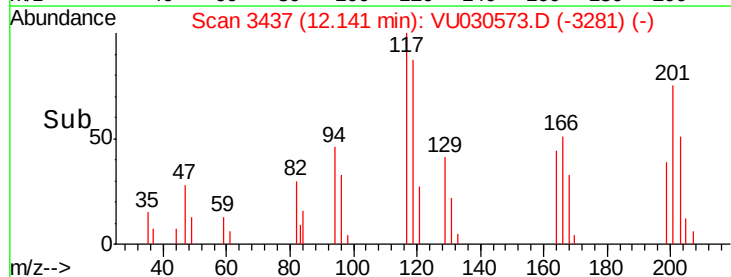
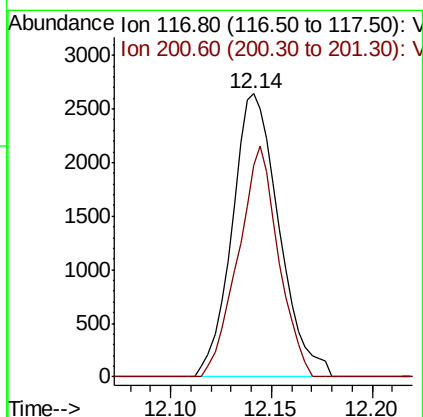
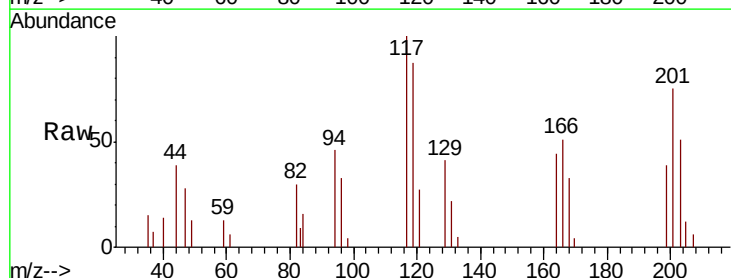
Instrument :
 MSVOA_U
 ClientSampleId :

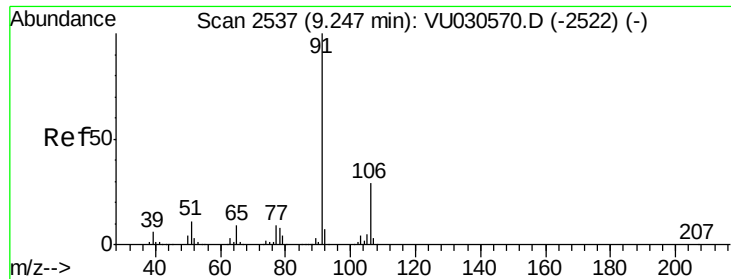
Tot Ion:117 Resp: 5202
 Ion Ratio Lower Upper
 117 100
 167 72.1 62.6 93.8



#62
 Hexachloroethane
 Concen: 0.408 ug/l
 RT: 12.14 min Scan# 3437
 Delta R.T. 0.00 min
 Lab File: VU030573.D
 Acq: 30 Mar 2019 14:16

Tgt Ion:117 Resp: 4308
 Ion Ratio Lower Upper
 117 100
 201 70.0 59.1 88.7

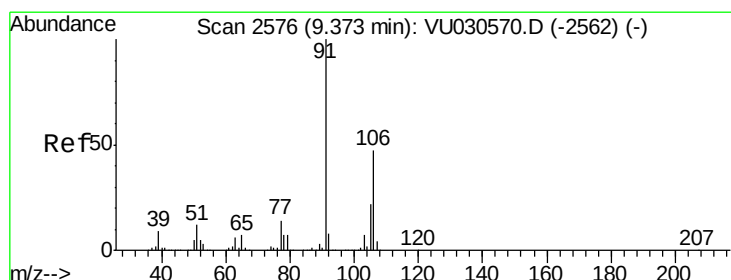
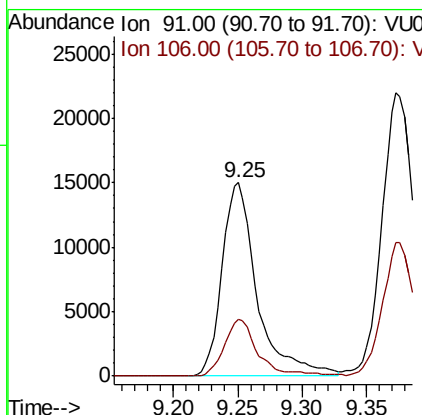
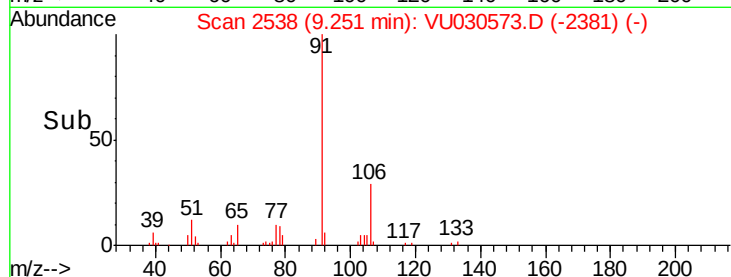
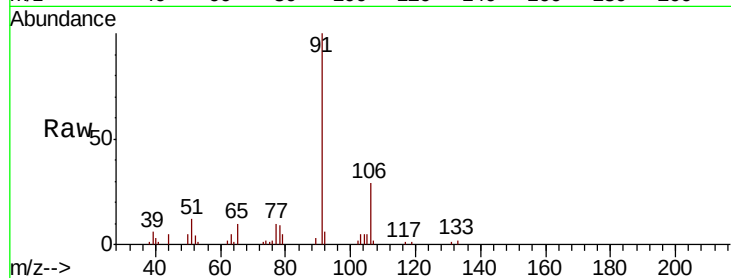




#63
Ethyl Benzene
Concen: 0.430 ug/l
RT: 9.25 min Scan# 2538
Delta R.T. 0.00 min
Lab File: VU030573.D
Acq: 30 Mar 2019 14:16

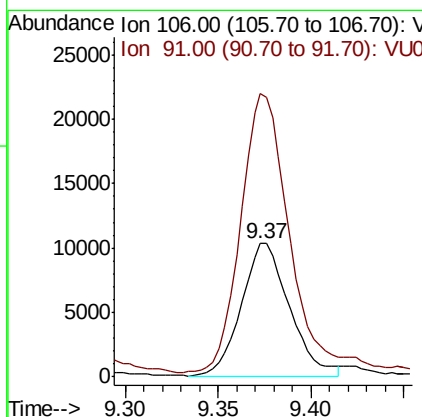
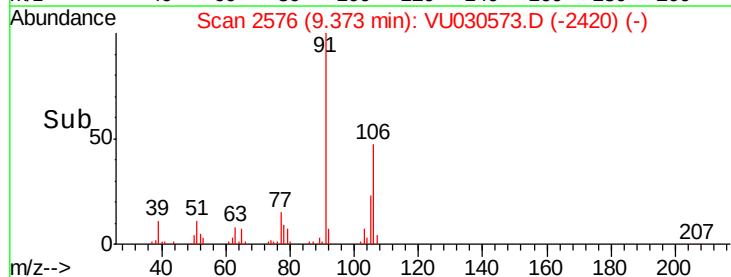
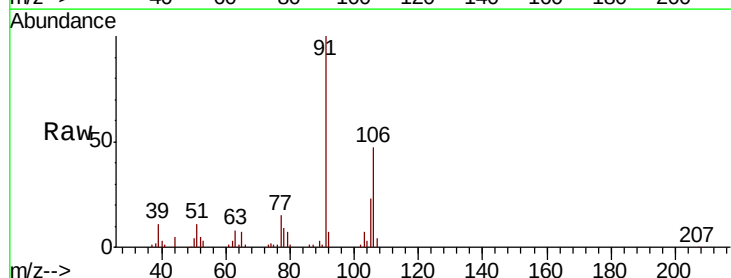
Instrument :
MSVOA_U
ClientSampled :

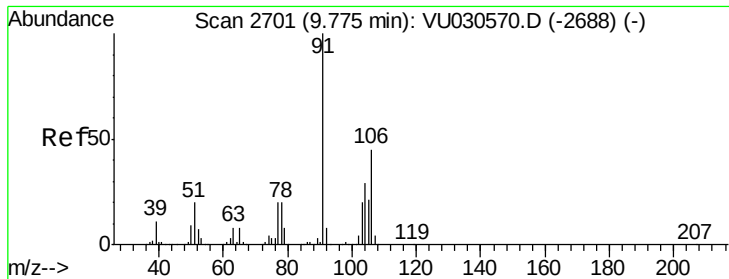
Tot Ion: 91 Resp: 28317
Ion Ratio Lower Upper
91 100
106 29.2 23.1 34.7



#64
m/p-Xylenes
Concen: 0.742 ug/l
RT: 9.37 min Scan# 2576
Delta R.T. 0.00 min
Lab File: VU030573.D
Acq: 30 Mar 2019 14:16

Tgt Ion: 106 Resp: 18897
Ion Ratio Lower Upper
106 100
91 218.0 179.4 269.0

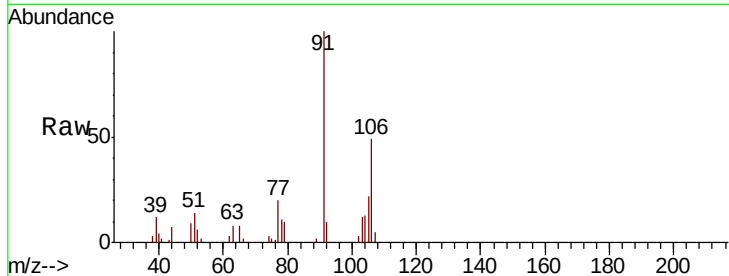




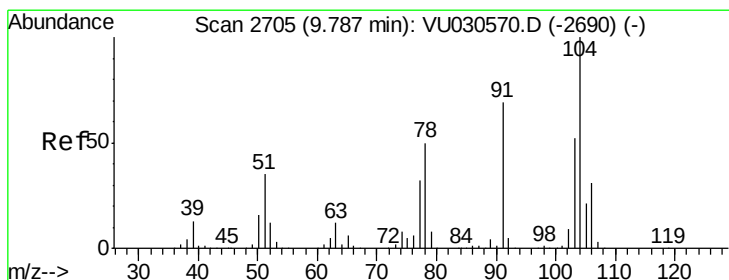
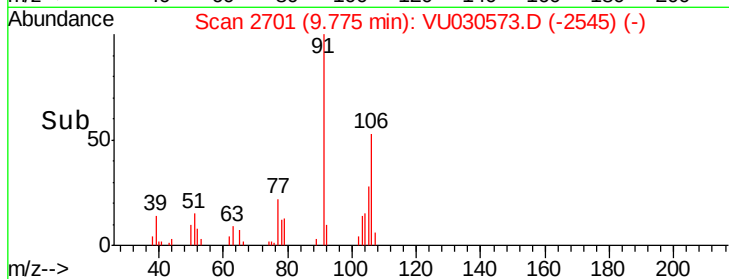
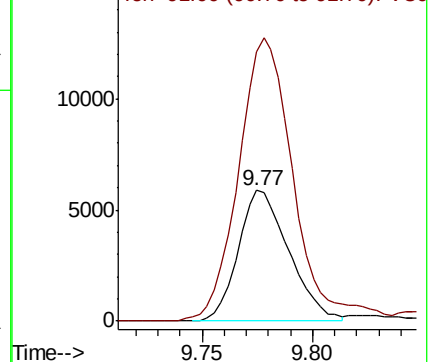
#65
o-Xylene
Concen: 0.376 ug/l
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU030573.D
Acq: 30 Mar 2019 14:16

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 9376
Ion Ratio Lower Upper
106 100
91 235.6 115.5 346.4

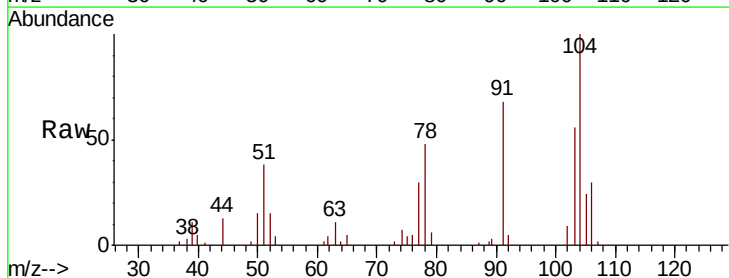


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

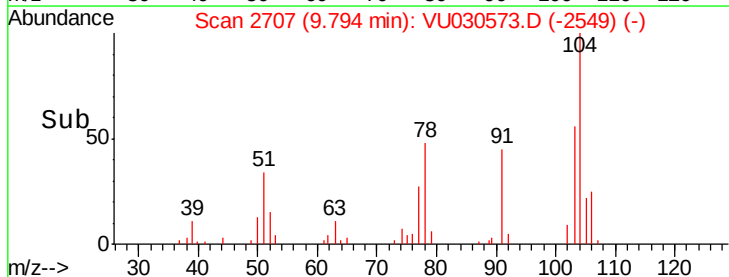
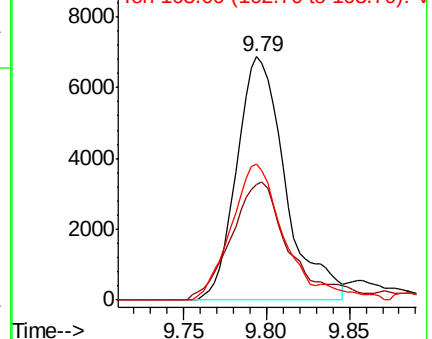


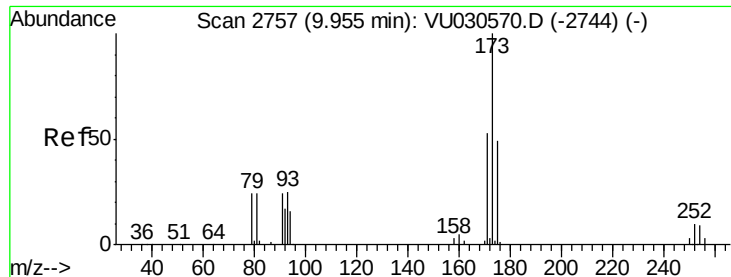
#66
Styrene
Concen: 0.341 ug/l
RT: 9.79 min Scan# 2707
Delta R.T. 0.01 min
Lab File: VU030573.D
Acq: 30 Mar 2019 14:16

Tgt Ion:104 Resp: 14075
Ion Ratio Lower Upper
104 100
78 57.7 42.3 63.5
103 57.2 44.7 67.1



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





#67

Bromoform

Concen: 0.420 ug/l

RT: 9.96 min Scan# 2758

Delta R.T. 0.00 min

Lab File: VU030573.D

Acq: 30 Mar 2019 14:16

Instrument :

MSVOA_U

ClientSampled :

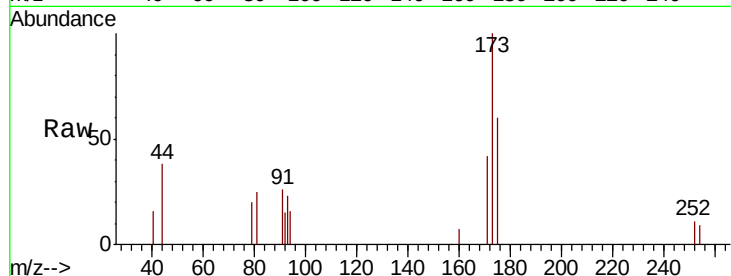
Tot Ion:173 Resp: 3048

Ion Ratio Lower Upper

173 100

175 49.7 38.6 57.8

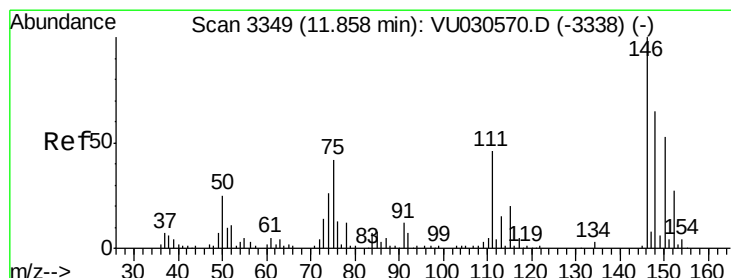
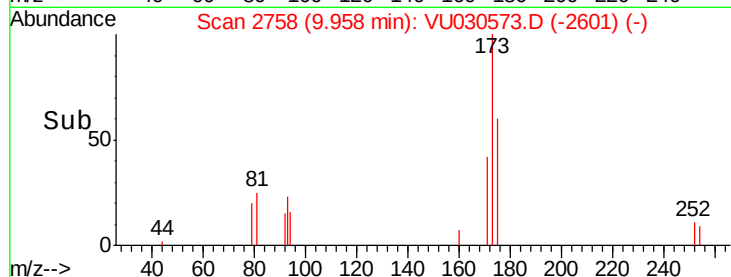
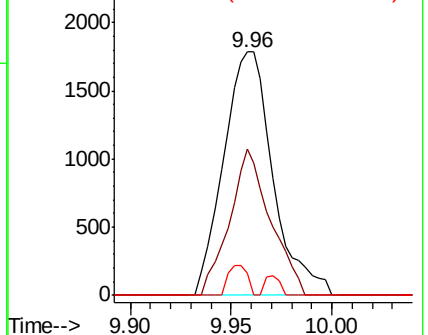
254 4.8 6.9 10.3#



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V



#68

1,2-Dichlorobenzene-d4

Concen: 0.420 ug/l

RT: 11.86 min Scan# 3350

Delta R.T. 0.00 min

Lab File: VU030573.D

Acq: 30 Mar 2019 14:16

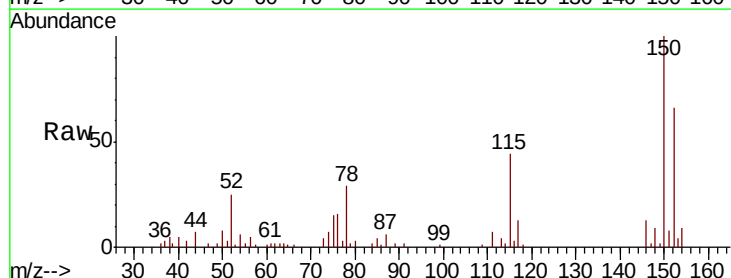
Tgt Ion:152 Resp: 17842

Ion Ratio Lower Upper

152 100

115 71.3 0.0 136.2

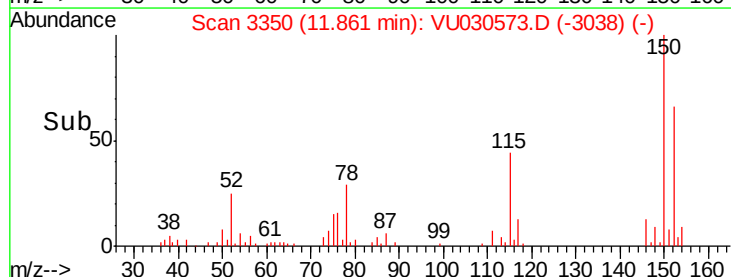
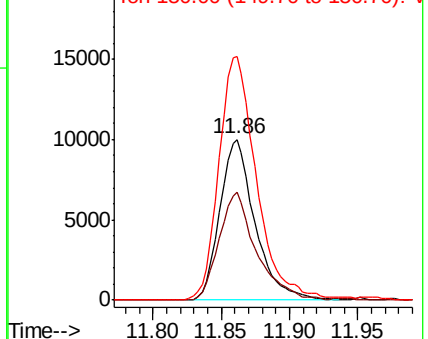
150 162.8 0.0 634.6

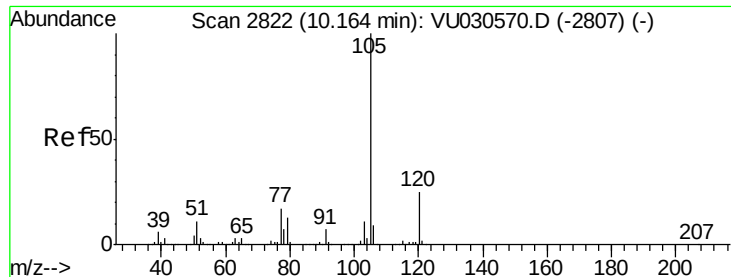


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#69

Isopropylbenzene

Concen: 0.401 ug/l

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU030573.D

Acq: 30 Mar 2019 14:16

Instrument :

MSVOA_U

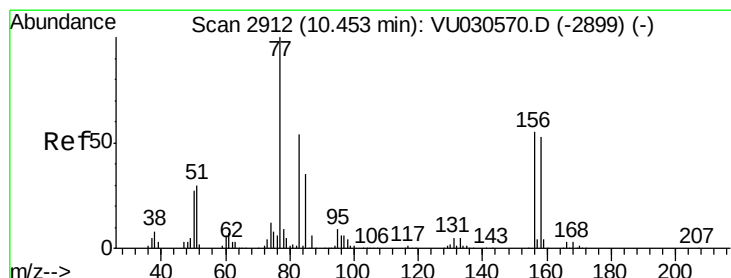
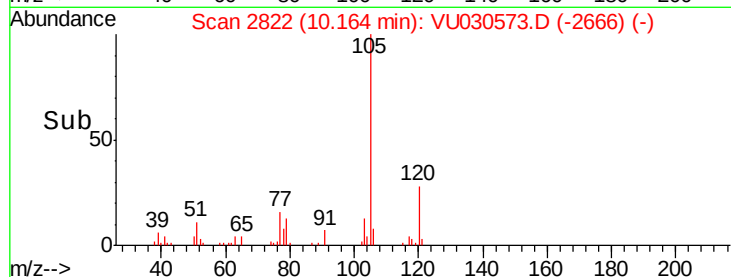
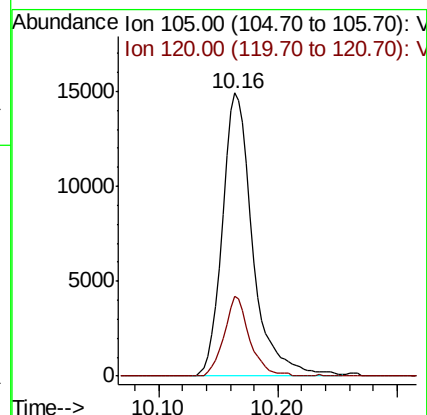
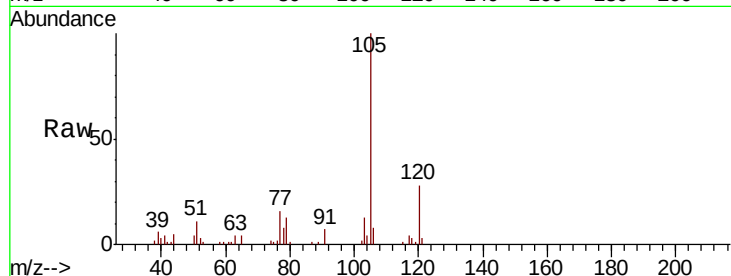
ClientSampleId :

Tot Ion:105 Resp: 26325

Ion Ratio Lower Upper

105 100

120 23.5 12.6 37.6



#70

1,1,2,2-Tetrachloroethane

Concen: 0.533 ug/l

RT: 10.46 min Scan# 2914

Delta R.T. 0.01 min

Lab File: VU030573.D

Acq: 30 Mar 2019 14:16

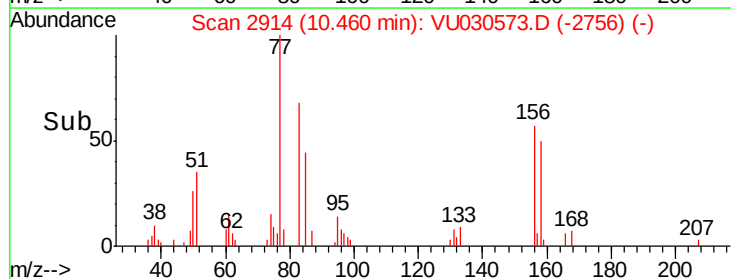
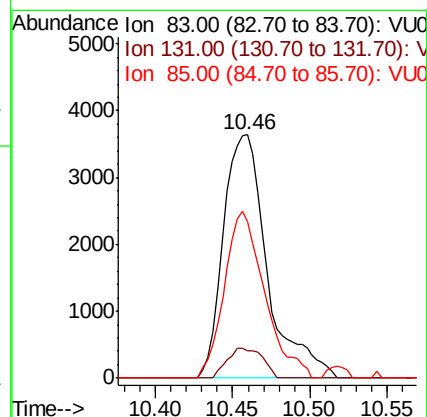
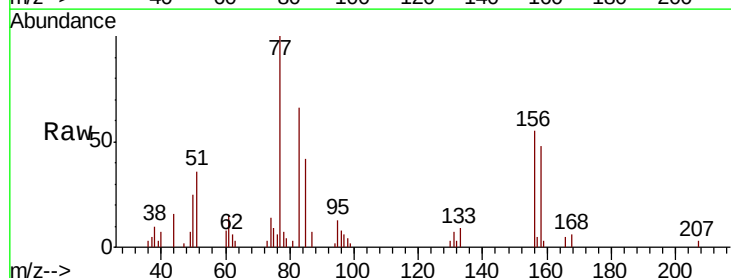
Tgt Ion: 83 Resp: 7193

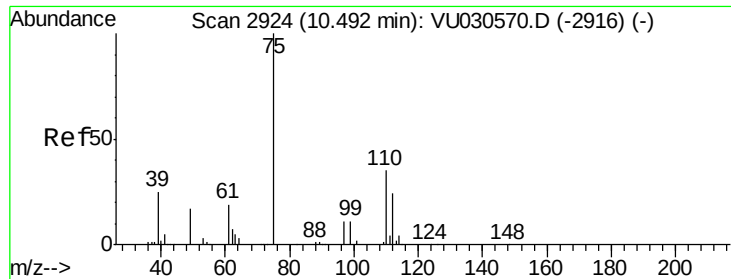
Ion Ratio Lower Upper

83 100

131 9.8 7.0 10.6

85 62.6 51.0 76.4





#71

1,2,3-Trichloropropane

Concen: 0.493 ug/l

RT: 10.49 min Scan# 2925

Delta R.T. 0.00 min

Lab File: VU030573.D

Acq: 30 Mar 2019 14:16

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 4821

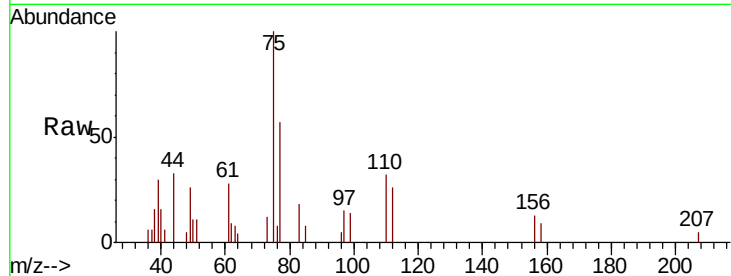
Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

110 31.6 0.0 83.8

97 3.8 0.0 42.8

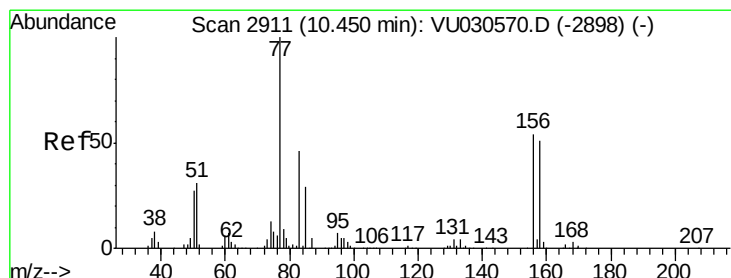
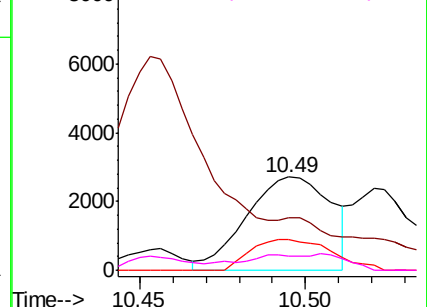
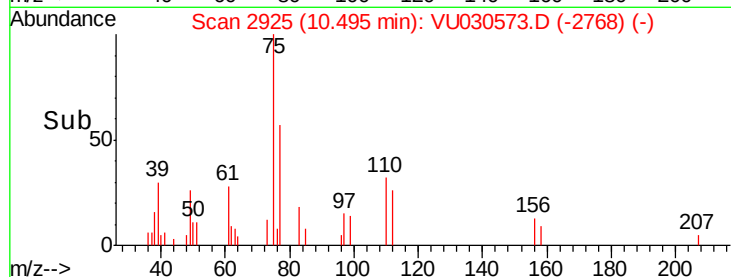


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

Ion 110.00 (109.70 to 110.70): V

Ion 97.00 (96.70 to 97.70): VU0



#72

Bromobenzene

Concen: 0.415 ug/l

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU030573.D

Acq: 30 Mar 2019 14:16

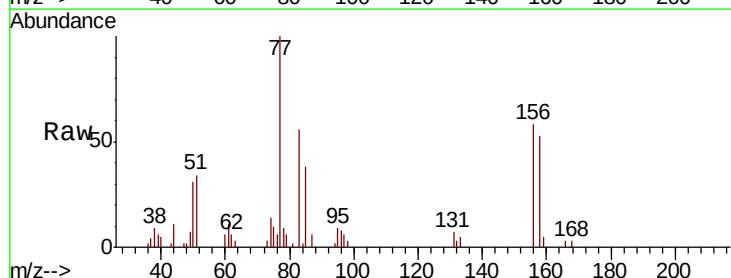
Tgt Ion: 156 Resp: 6998

Ion Ratio Lower Upper

156 100

77 175.5 0.0 363.0

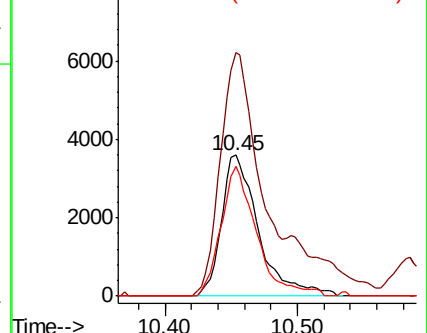
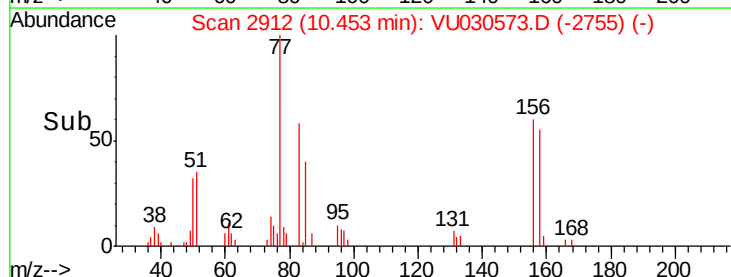
158 87.6 0.0 193.2

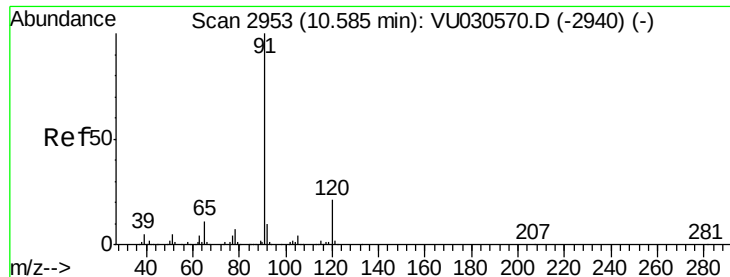


Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 158.00 (157.70 to 158.70): V





#73

n-propylbenzene

Concen: 0.330 ug/l

RT: 10.58 min Scan# 2953

Delta R.T. 0.00 min

Lab File: VU030573.D

Acq: 30 Mar 2019 14:16

Instrument :

MSVOA_U

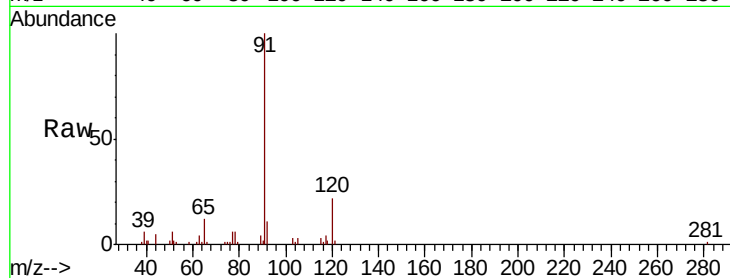
ClientSampleId :

Tot Ion:120 Resp: 6064

Ion Ratio Lower Upper

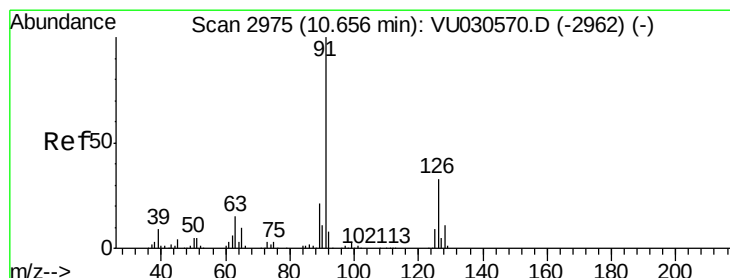
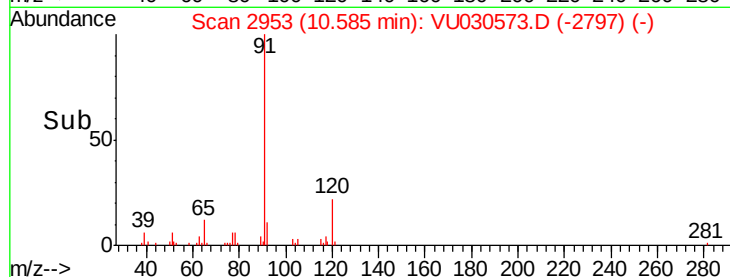
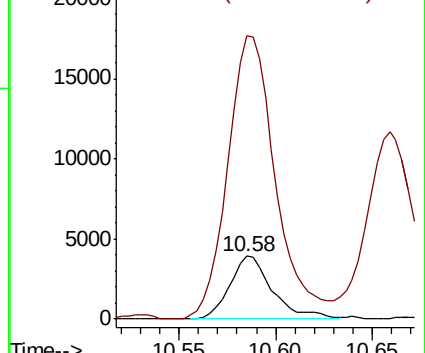
120 100

91 499.1 371.6 557.4



Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 0.381 ug/l

RT: 10.66 min Scan# 2976

Delta R.T. 0.00 min

Lab File: VU030573.D

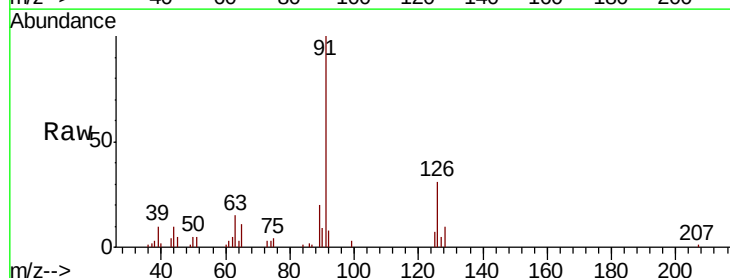
Acq: 30 Mar 2019 14:16

Tgt Ion:126 Resp: 6163

Ion Ratio Lower Upper

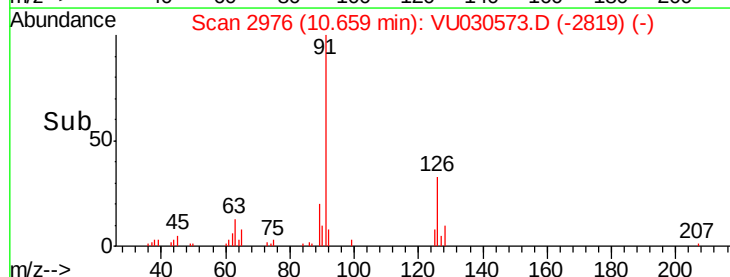
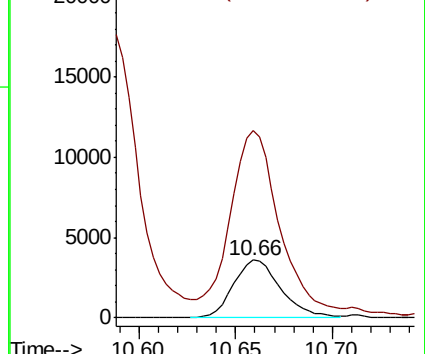
126 100

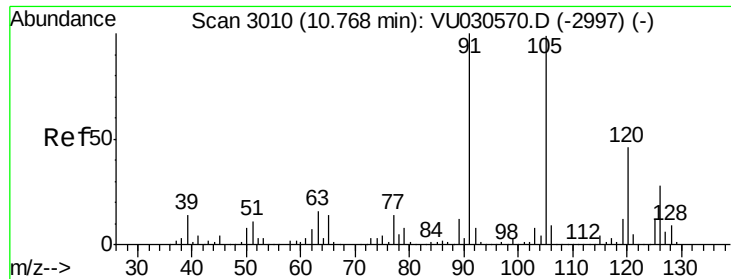
91 356.8 0.0 656.8



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#75

1,3,5-Trimethylbenzene

Concen: 0.368 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. 0.00 min

Lab File: VU030573.D

Acq: 30 Mar 2019 14:16

Instrument :

MSVOA_U

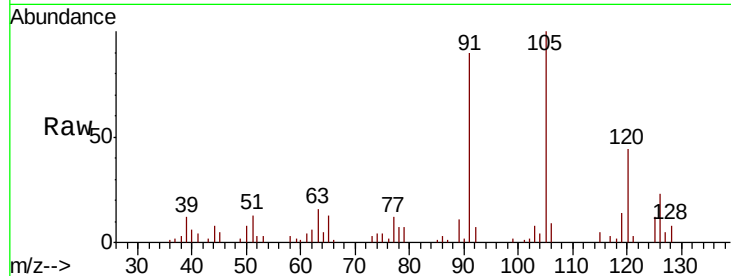
ClientSampled :

Tot Ion:105 Resp: 20523

Ion Ratio Lower Upper

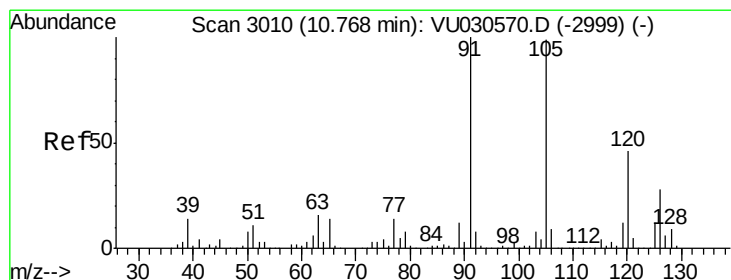
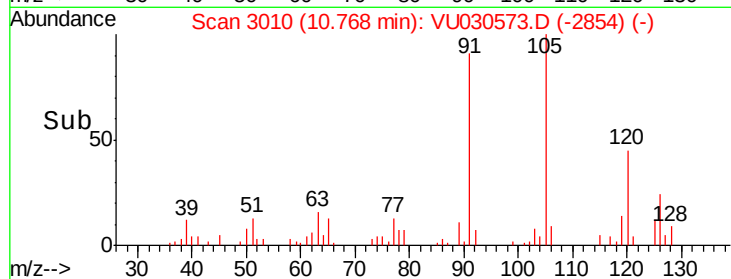
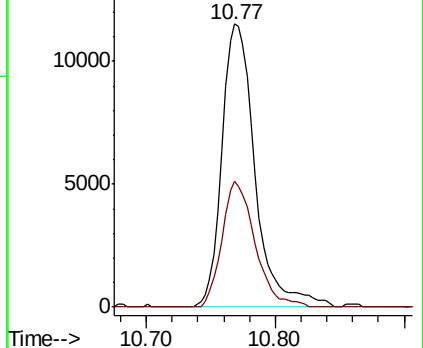
105 100

120 44.2 37.6 56.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

4-Chlorotoluene

Concen: 0.390 ug/l

RT: 10.78 min Scan# 3013

Delta R.T. 0.01 min

Lab File: VU030573.D

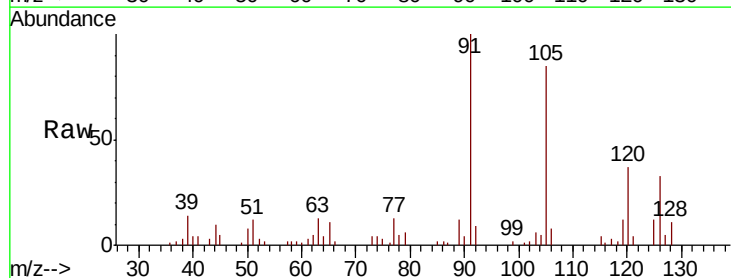
Acq: 30 Mar 2019 14:16

Tgt Ion:126 Resp: 6417

Ion Ratio Lower Upper

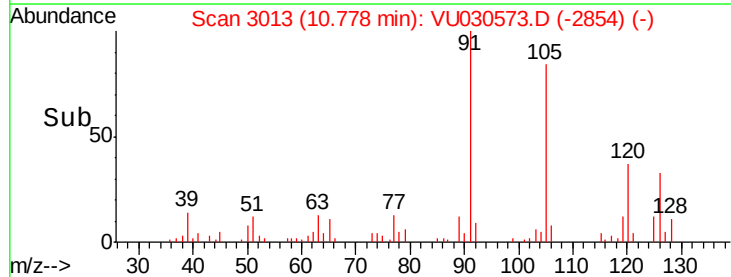
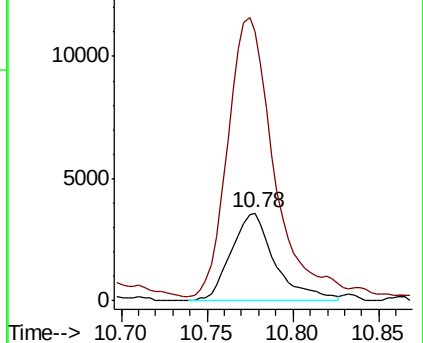
126 100

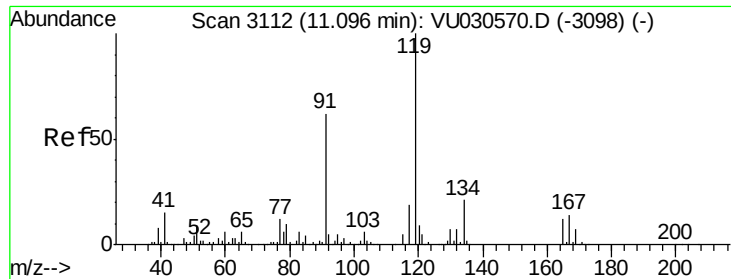
91 360.7 0.0 721.6



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0

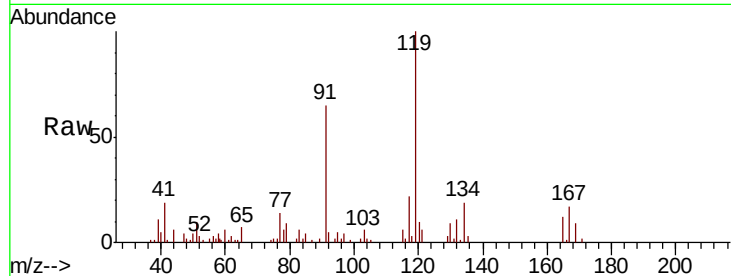




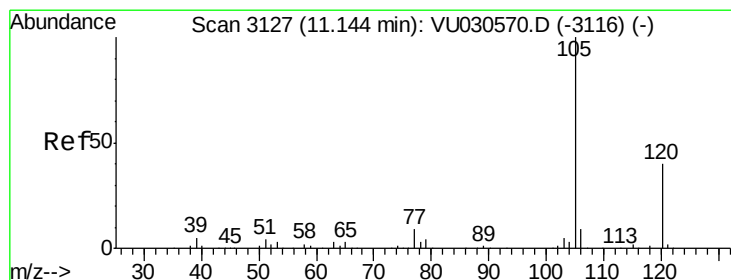
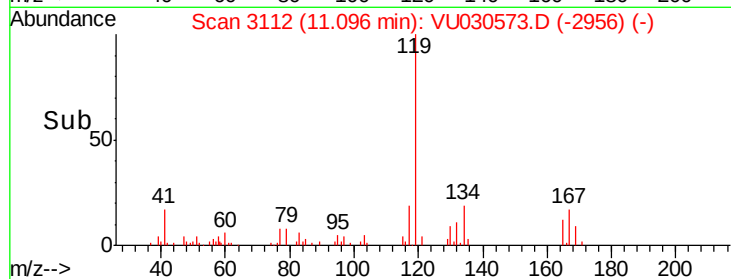
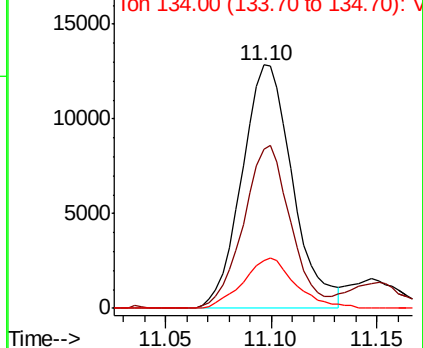
#77
 tert-Butylbenzene
 Concen: 0.396 ug/l
 RT: 11.10 min Scan# 3112
 Delta R.T. 0.00 min
 Lab File: VU030573.D
 Acq: 30 Mar 2019 14:16

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:119 Resp: 21488
 Ion Ratio Lower Upper
 119 100
 91 62.3 30.9 92.8
 134 21.3 17.6 26.4

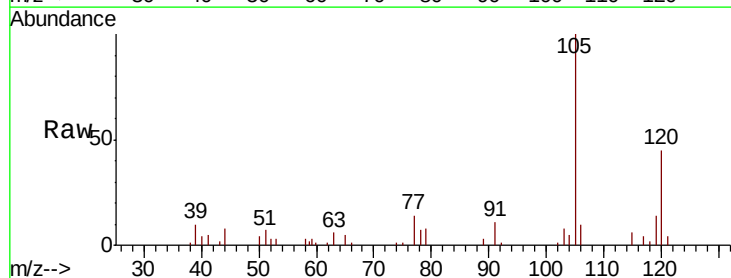


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VU
 Ion 134.00 (133.70 to 134.70): V

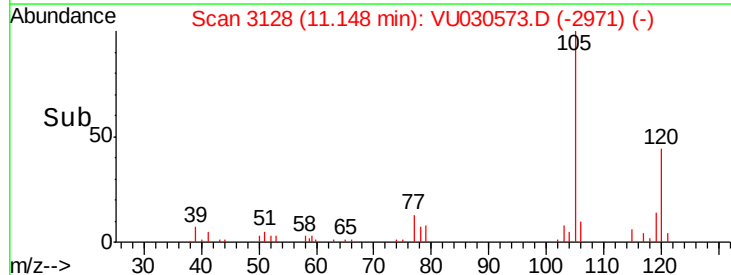
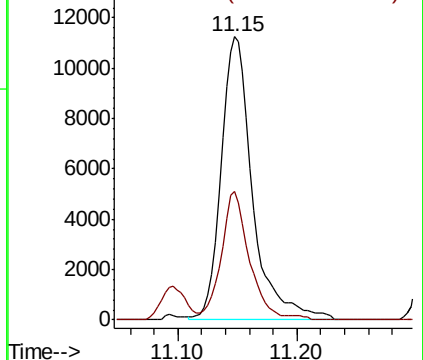


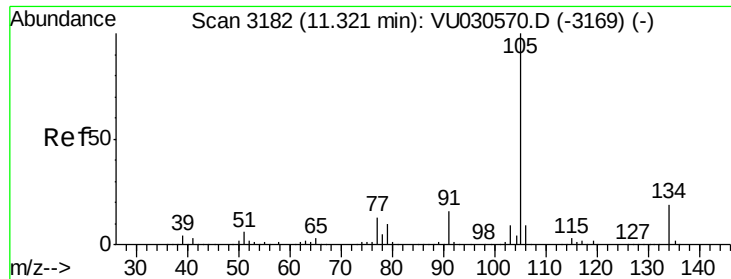
#78
 1,2,4-Trimethylbenzene
 Concen: 0.363 ug/l
 RT: 11.15 min Scan# 3128
 Delta R.T. 0.00 min
 Lab File: VU030573.D
 Acq: 30 Mar 2019 14:16

Tgt Ion:105 Resp: 20529
 Ion Ratio Lower Upper
 105 100
 120 37.8 22.1 66.5



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





#79

sec-Butylbenzene

Concen: 0.373 ug/l

RT: 11.32 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VU030573.D

Acq: 30 Mar 2019 14:16

Instrument :

MSVOA_U

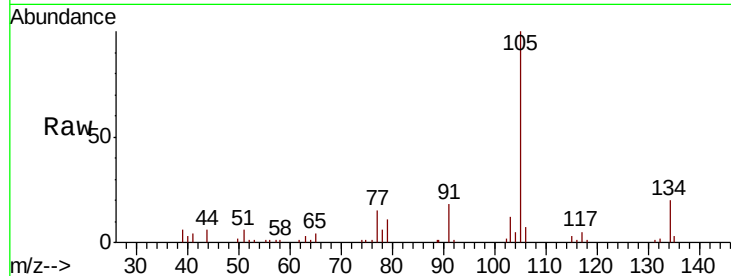
ClientSampleId :

Tot Ion:105 Resp: 27125

Ion Ratio Lower Upper

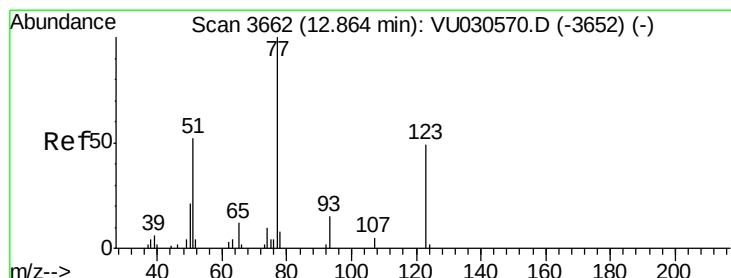
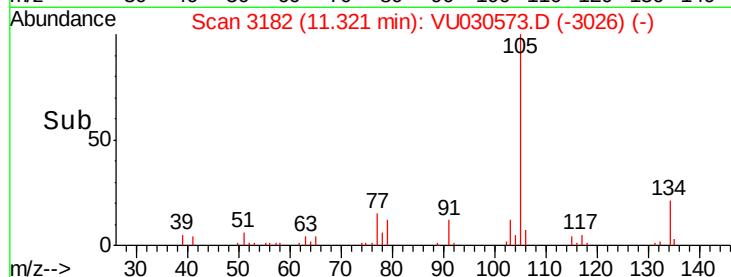
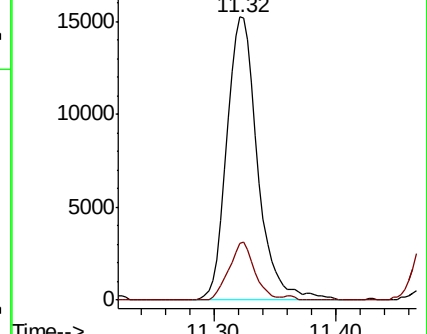
105 100

134 17.1 14.7 22.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#80

Nitrobenzene

Concen: 0.943 ug/l

RT: 12.90 min Scan# 3673

Delta R.T. 0.04 min

Lab File: VU030573.D

Acq: 30 Mar 2019 14:16

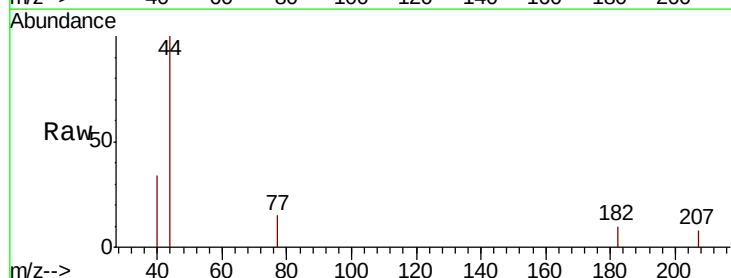
Tgt Ion: 77 Resp: 219

Ion Ratio Lower Upper

77 100

123 0.0 17.5 62.1#

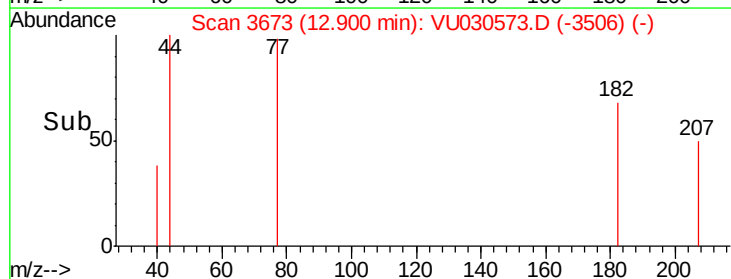
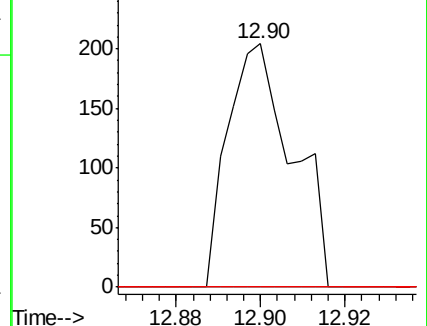
65 0.0 8.1 10.3#

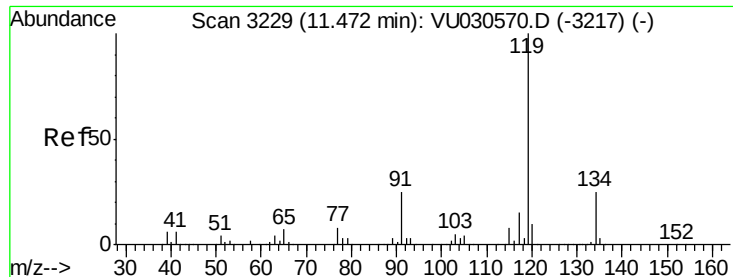


Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0





#81

p-Isopropyltoluene

Concen: 0.339 ug/l

RT: 11.48 min Scan# 3230

Delta R.T. 0.00 min

Lab File: VU030573.D

Acq: 30 Mar 2019 14:16

Instrument :

MSVOA_U

ClientSampleId :

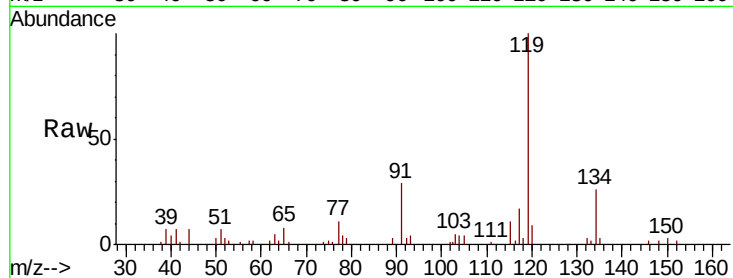
Tot Ion:119 Resp: 20416

Ion Ratio Lower Upper

119 100

134 25.8 20.6 31.0

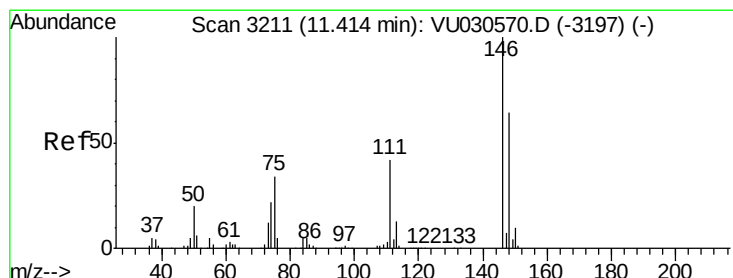
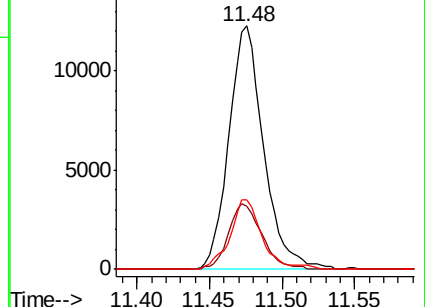
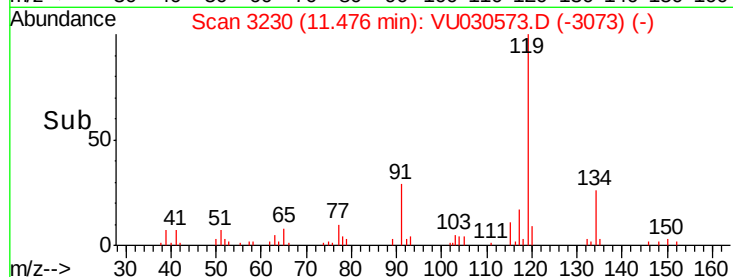
91 25.8 20.4 30.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



#82

1,3-Dichlorobenzene

Concen: 0.423 ug/l

RT: 11.42 min Scan# 3213

Delta R.T. 0.01 min

Lab File: VU030573.D

Acq: 30 Mar 2019 14:16

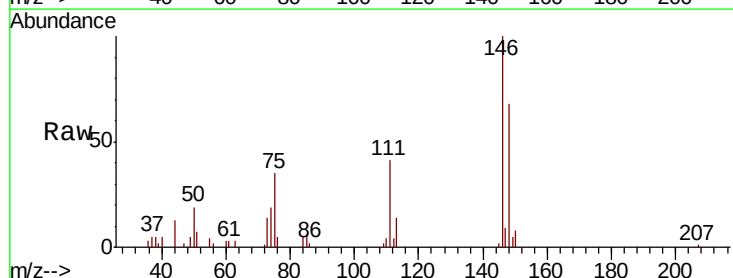
Tgt Ion:146 Resp: 14361

Ion Ratio Lower Upper

146 100

111 42.5 34.0 51.0

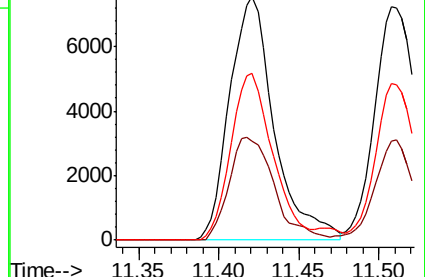
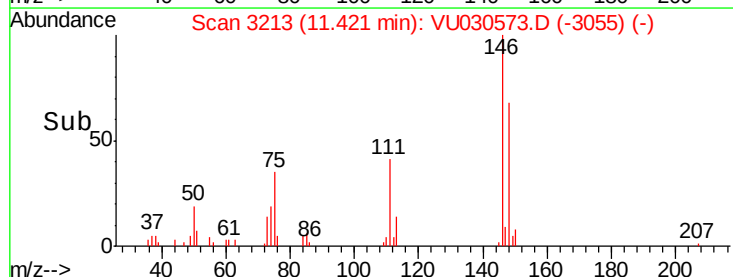
148 63.8 51.0 76.6

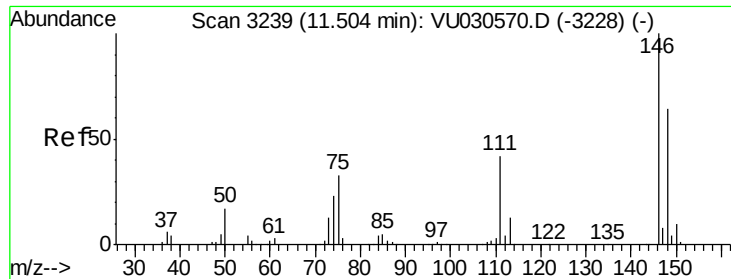


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

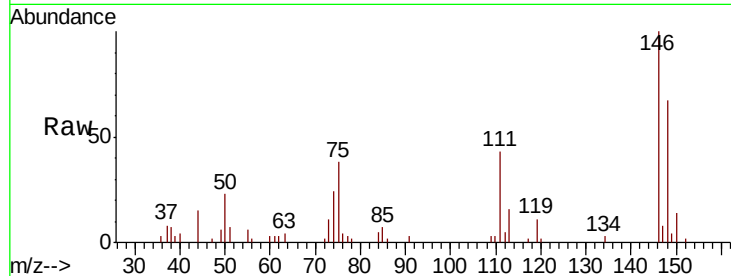




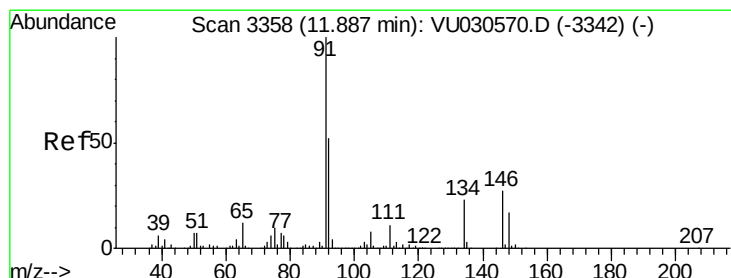
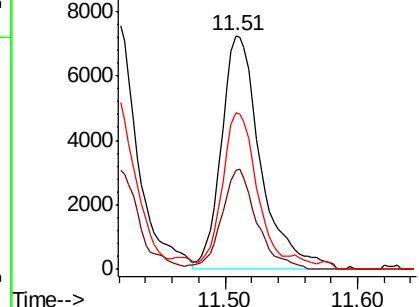
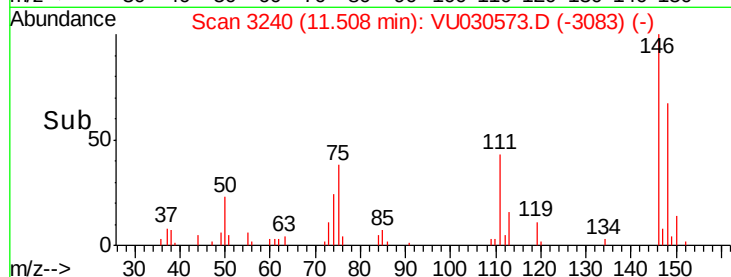
#83
 1,4-Dichlorobenzene
 Concen: 0.437 ug/l
 RT: 11.51 min Scan# 3240
 Delta R.T. 0.00 min
 Lab File: VU030573.D
 Acq: 30 Mar 2019 14:16

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:146 Resp: 14935
 Ion Ratio Lower Upper
 146 100
 111 38.5 32.8 49.2
 148 53.1 50.5 75.7

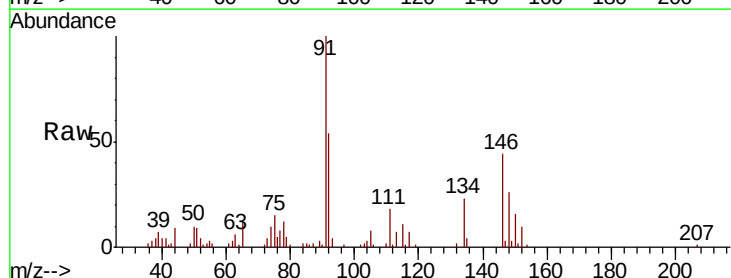


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

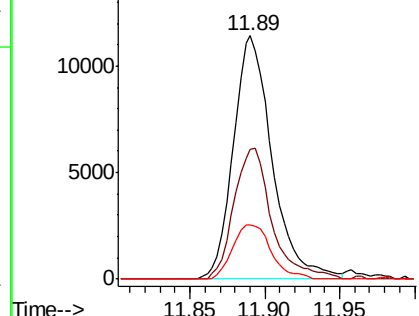
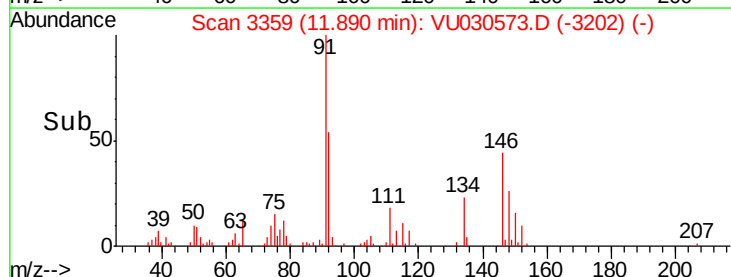


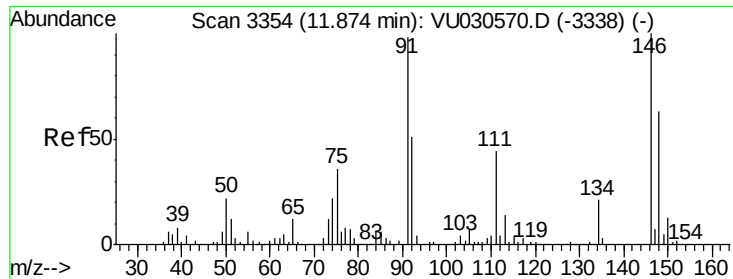
#84
 n-Butylbenzene
 Concen: 0.364 ug/l
 RT: 11.89 min Scan# 3359
 Delta R.T. 0.00 min
 Lab File: VU030573.D
 Acq: 30 Mar 2019 14:16

Tgt Ion: 91 Resp: 20609
 Ion Ratio Lower Upper
 91 100
 92 52.5 41.7 62.5
 134 22.2 18.3 27.5



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

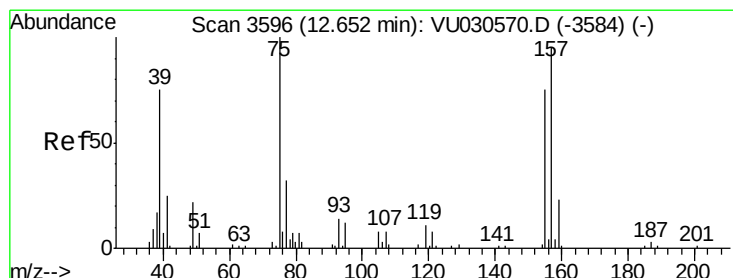
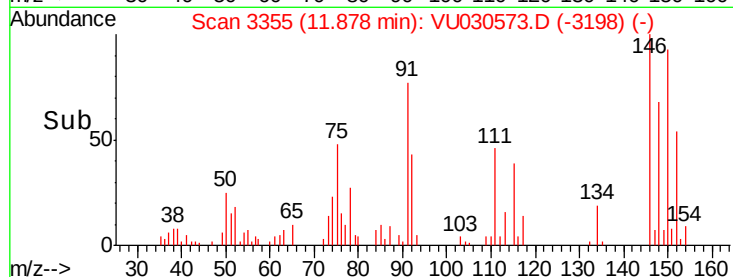
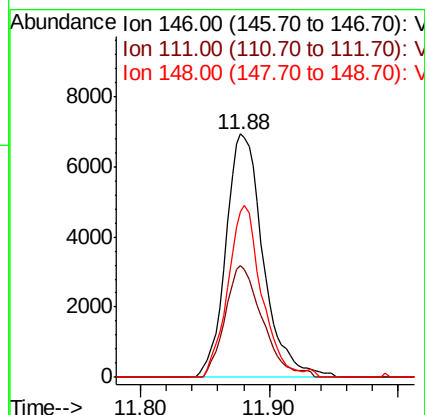
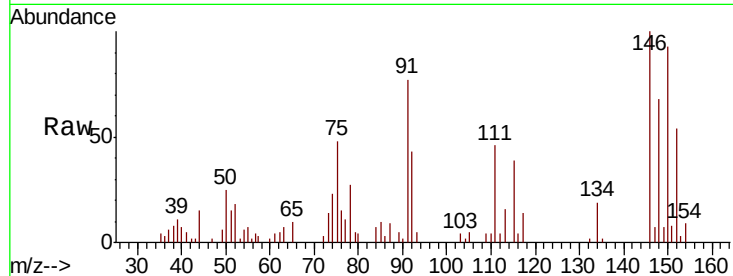




#85
 1,2-Dichlorobenzene
 Concen: 0.439 ug/l
 RT: 11.88 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VU030573.D
 Acq: 30 Mar 2019 14:16

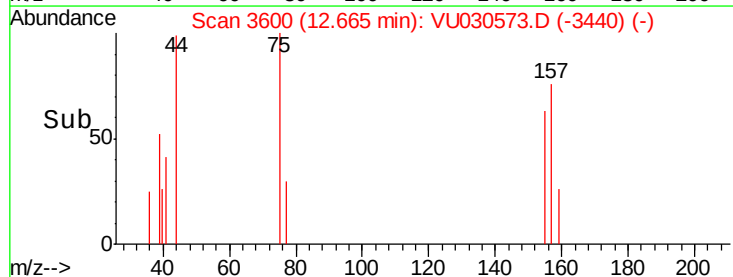
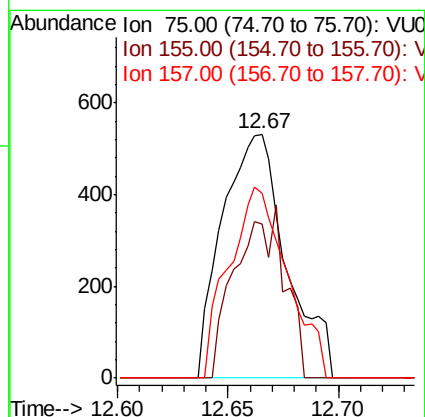
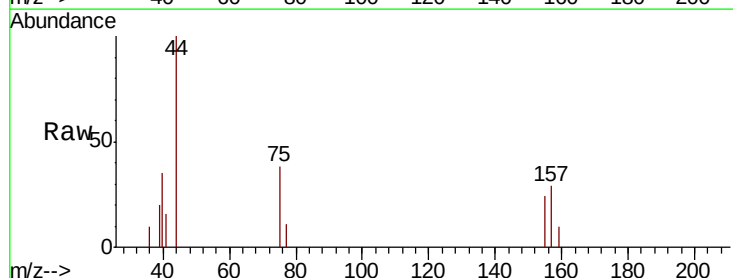
Instrument :
 MSVOA_U
 ClientSampled :

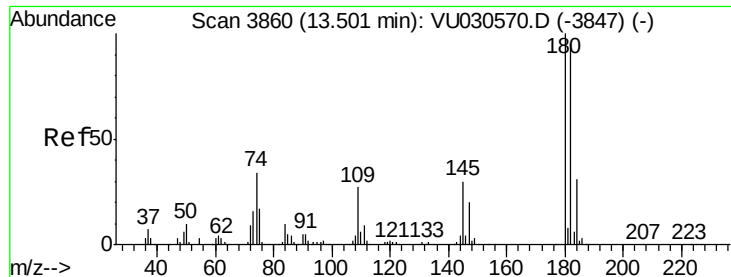
Tot Ion:146 Resp: 13919
 Ion Ratio Lower Upper
 146 100
 111 45.8 21.9 65.5
 148 63.5 31.5 94.5



#86
 1,2-Dibromo-3-Chloropropane
 Concen: 0.551 ug/l
 RT: 12.67 min Scan# 3600
 Delta R.T. 0.01 min
 Lab File: VU030573.D
 Acq: 30 Mar 2019 14:16

Tgt Ion: 75 Resp: 1070
 Ion Ratio Lower Upper
 75 100
 155 53.3 59.7 89.5#
 157 71.6 73.7 110.5#

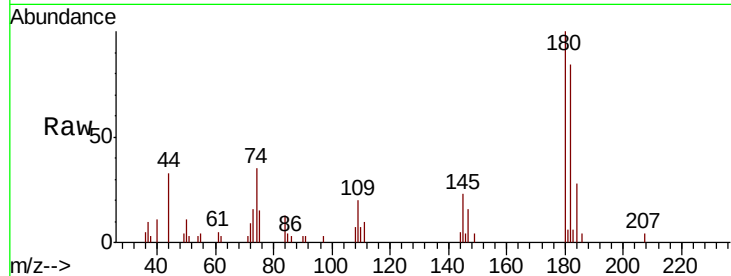




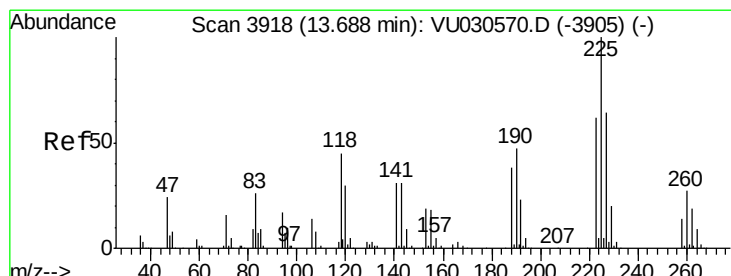
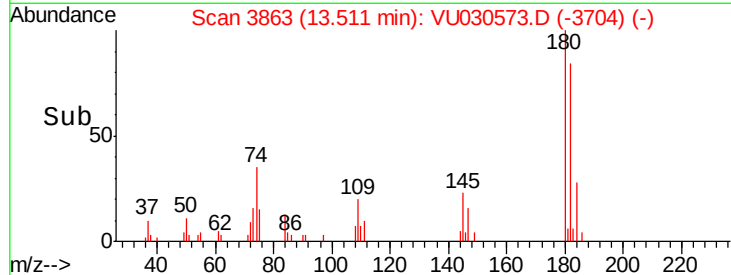
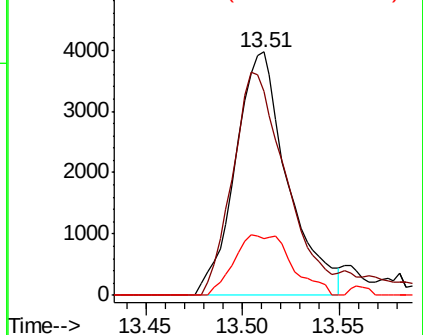
#87
 1,2,4-Trichlorobenzene
 Concen: 0.336 ug/l
 RT: 13.51 min Scan# 3863
 Delta R.T. 0.01 min
 Lab File: VU030573.D
 Acq: 30 Mar 2019 14:16

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 7462
 Ion Ratio Lower Upper
 180 100
 182 92.9 76.0 114.0
 145 27.2 24.3 36.5

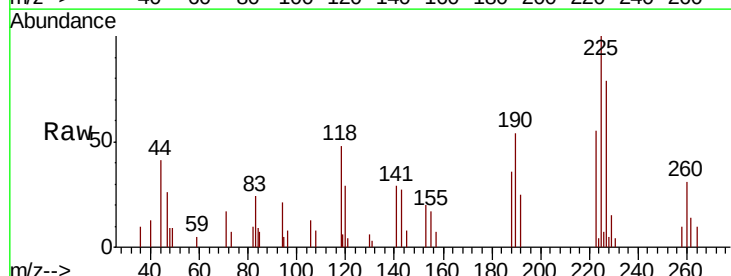


Abundance Ion 179.70 (179.40 to 180.40): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

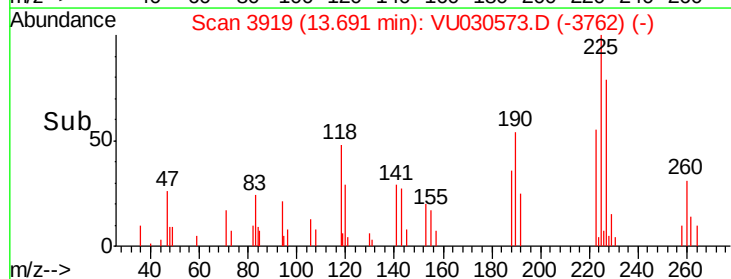
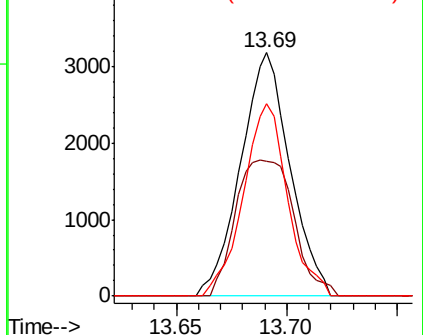


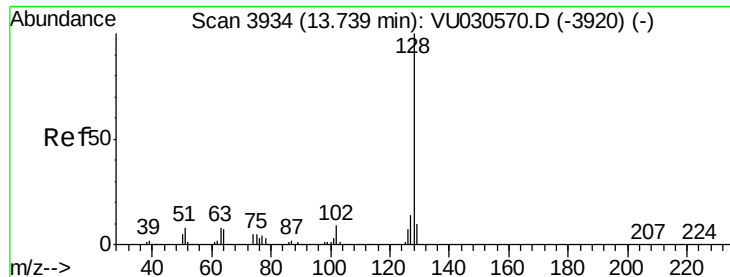
#88
 Hexachlorobutadiene
 Concen: 0.401 ug/l
 RT: 13.69 min Scan# 3919
 Delta R.T. 0.00 min
 Lab File: VU030573.D
 Acq: 30 Mar 2019 14:16

Tgt Ion:225 Resp: 4924
 Ion Ratio Lower Upper
 225 100
 223 66.0 50.7 76.1
 227 71.1 50.8 76.2



Abundance Ion 224.60 (224.30 to 225.30): V
 Ion 222.60 (222.30 to 223.30): V
 Ion 226.60 (226.30 to 227.30): V





#89

Naphthalene

Concen: 0.486 ug/l

RT: 13.75 min Scan# 3937

Delta R.T. 0.01 min

Lab File: VU030573.D

Acq: 30 Mar 2019 14:16

Instrument :

MSVOA_U

ClientSampled :

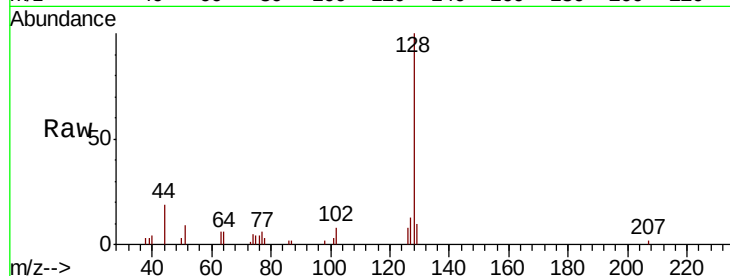
Tot Ion:128 Resp: 16915

Ion Ratio Lower Upper

128 100

127 10.8 10.4 15.6

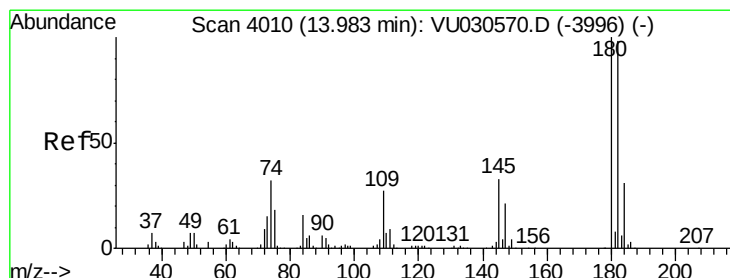
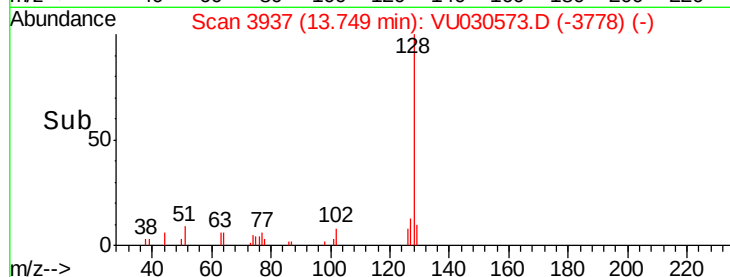
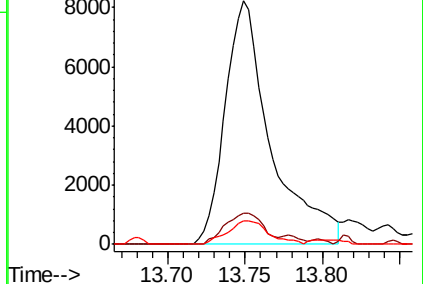
129 8.7 7.8 11.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#90

1,2,3-Trichlorobenzene

Concen: 0.368 ug/l

RT: 13.99 min Scan# 4013

Delta R.T. 0.01 min

Lab File: VU030573.D

Acq: 30 Mar 2019 14:16

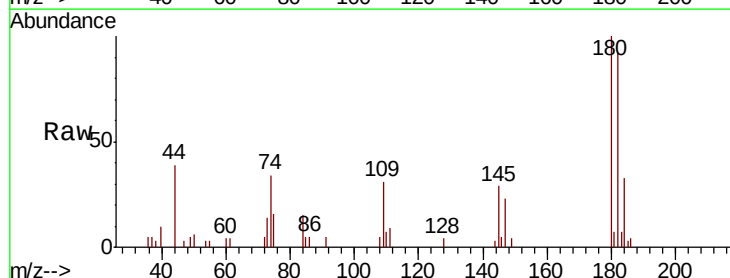
Tgt Ion:180 Resp: 7450

Ion Ratio Lower Upper

180 100

182 97.5 76.6 114.8

145 35.7 25.9 38.9



Abundance Ion 179.70 (179.40 to 180.40): V

Ion 181.70 (181.40 to 182.40): V

Ion 144.80 (144.50 to 145.50): V

