

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU033119\
 Data File : VU030580.D
 Acq On : 30 Mar 2019 19:44
 Operator : JC/SP
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Mar 31 01:18:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U033119DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Sun Mar 31 01:11:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	5.74	96	57042	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	22516	1.04	ug/l	0.00
Spiked Amount 1.000			Recovery	=	104.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	20564	1.02	ug/l	0.00
Spiked Amount 1.000			Recovery	=	102.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.21	85	233992	9.752	ug/l	100
3) Chloromethane	1.33	50	280013	9.032	ug/l	99
4) Vinyl Chloride	1.40	62	261634	9.767	ug/l	99
5) Bromomethane	1.62	94	97017	8.398	ug/l	95
6) Chloroethane	1.69	64	141758	9.176	ug/l	99
7) Trichlorofluoromethane	1.88	101	295264	10.036	ug/l	99
8) 1,1,2-Trichloro-1,2,2-trif	2.28	101	144377	9.660	ug/l	100
9) 1,1-Dichloroethene	2.28	96	141989	9.440	ug/l	97
10) Iodomethane	2.41	142	91028	6.430	ug/l	100
11) Allyl Chloride	2.59	41	316403	9.656	ug/l	100
12) Acrylonitrile	2.94	53	87685	20.526	ug/l	97
13) Acetone	2.32	43	185450	46.336	ug/l	100
14) Carbon Disulfide	2.47	76	531053	9.663	ug/l	99
15) Methylene Chloride	2.69	84	174374	9.141	ug/l	99
16) trans-1,2-Dichloroethene	2.97	96	163522	9.623	ug/l	99
17) 1,1-Dichloroethane	3.43	63	348274	10.094	ug/l	99
18) 2-Butanone	4.28	43	295825	57.173	ug/l	100
19) Cyclohexane	4.98	56	262174	9.007	ug/l	87
20) Methylcyclohexane	6.41	83	266768	10.446	ug/l	98
21) 2,2-Dichloropropane	4.22	77	224845	8.479	ug/l	98
22) cis-1,2-Dichloroethene	4.22	96	185706	10.177	ug/l	95
23) Diethyl Ether	2.10	59	144647	10.119	ug/l	99
24) tert-Butyl Alcohol	2.84	59	168985	114.190	ug/l	100
25) Methyl tert-Butyl Ether	3.00	73	449217	10.316	ug/l	99
26) Bromochloromethane	4.54	128	70764	9.903	ug/l	99
27) Chloroform	4.67	83	325333	10.093	ug/l	100
28) 1,1,1-Trichloroethane	4.91	97	268631	10.096	ug/l	99
29) 1,1-Dichloropropene	5.13	75	238468	9.993	ug/l	99
30) Carbon Tetrachloride	5.13	117	227486	10.243	ug/l	100
31) Isopropyl Ether	3.58	45	581712	10.123	ug/l	99
32) Ethyl-t-butyl ether	4.07	59	471497	10.302	ug/l	100
33) Tert-Amyl methyl ether	5.58	73	405994	11.077	ug/l	99
34) Propionitrile	4.33	54	79369	56.425	ug/l #	97
35) Benzene	5.38	78	712202	10.091	ug/l	99
36) 1,2-Dichloroethane	5.40	62	218275	10.125	ug/l	98
37) Trichloroethene	6.18	130	165417	9.770	ug/l	99
38) 1,2-Dichloropropane	6.43	63	196038	10.028	ug/l	95
39) Methacrylonitrile	4.55	41	74004	11.661	ug/l	98
40) Methyl acrylate	4.43	55	101291	11.672	ug/l	98
41) Tetrahydrofuran	4.65	42	78160	21.714	ug/l	96
42) 1-Chlorobutane	5.06	56	372763	10.434	ug/l	98

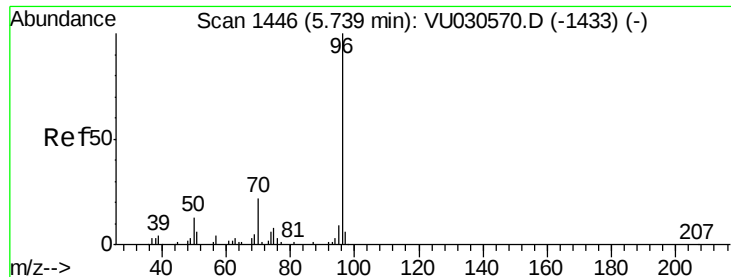
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U033119\
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 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Sun Mar 31 01:11:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	92444	10.430	ug/l	98
44) Bromodichloromethane	6.75	83	238977	10.188	ug/l	100
45) 4-Methyl-2-Pentanone	7.46	43	696622	57.154	ug/l	100
46) t-1,4-Dichloro-2-butene	10.49	75	102819	26.286	ug/l	90
47) Methyl methacrylate	6.62	69	184407	24.530	ug/l	99
48) Ethyl methacrylate	8.02	69	177802	12.063	ug/l	100
49) Toluene	7.63	92	419893	10.857	ug/l	99
50) t-1,3-Dichloropropene	7.88	75	213745	10.874	ug/l	96
51) cis-1,3-Dichloropropene	7.27	75	257380	10.529	ug/l	99
52) 1,1,2-Trichloroethane	8.06	97	126912	10.506	ug/l	97
53) 1,3-Dichloropropane	8.24	76	229118	10.371	ug/l	100
54) 2-Hexanone	8.36	43	480091	58.324	ug/l	100
55) Dibromochloromethane	8.47	129	144481	10.317	ug/l	99
56) 1,2-Dibromoethane	8.59	107	116830	10.425	ug/l	99
58) Tetrachloroethene	8.22	164	160107	10.573	ug/l	97
59) Chlorobenzene	9.12	112	433966	10.385	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.21	131	153884	9.937	ug/l	99
61) Pentachloroethane	11.10	117	114962	9.625	ug/l	98
62) Hexachloroethane	12.14	117	104030	10.008	ug/l	98
63) Ethyl Benzene	9.25	91	799083	10.771	ug/l	99
64) m/p-Xylenes	9.37	106	595700	21.952	ug/l	96
65) o-Xylene	9.77	106	291383	11.169	ug/l	98
66) Styrene	9.79	104	505406	11.494	ug/l	99
67) Bromoform	9.95	173	82470	10.751	ug/l	96
69) Isopropylbenzene	10.16	105	772172	10.877	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.45	83	177587	10.501	ug/l	100
71) 1,2,3-Trichloropropane	10.49	75	102819	9.537	ug/l #	99
72) Bromobenzene	10.45	156	177122	10.399	ug/l	100
73) n-propylbenzene	10.58	120	205461	11.292	ug/l	98
74) 2-Chlorotoluene	10.66	126	182931	10.838	ug/l	99
75) 1,3,5-Trimethylbenzene	10.77	105	665909	11.159	ug/l	99
76) 4-Chlorotoluene	10.77	126	188937	11.012	ug/l	98
77) tert-Butylbenzene	11.10	119	613425	10.854	ug/l	100
78) 1,2,4-Trimethylbenzene	11.14	105	673353	11.382	ug/l	98
79) sec-Butylbenzene	11.32	105	835445	10.877	ug/l	99
80) Nitrobenzene	12.86	77	19069	83.690	ug/l #	95
81) p-Isopropyltoluene	11.47	119	654634	11.097	ug/l	100
82) 1,3-Dichlorobenzene	11.41	146	347301	10.204	ug/l	99
83) 1,4-Dichlorobenzene	11.50	146	346368	10.154	ug/l	99
84) n-Butylbenzene	11.89	91	623331	10.924	ug/l	100
85) 1,2-Dichlorobenzene	11.88	146	323197	10.091	ug/l	98
86) 1,2-Dibromo-3-Chloropropan	12.66	75	28120	11.338	ug/l	97
87) 1,2,4-Trichlorobenzene	13.50	180	197332	10.793	ug/l	99
88) Hexachlorobutadiene	13.69	225	115290	10.000	ug/l	98
89) Naphthalene	13.74	128	355857	11.148	ug/l	100
90) 1,2,3-Trichlorobenzene	13.98	180	185736	10.704	ug/l	99

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.74 min Scan# 1446

Delta R.T. 0.00 min

Lab File: VU030580.D

Acq: 30 Mar 2019 19:44

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 96 Resp: 57042

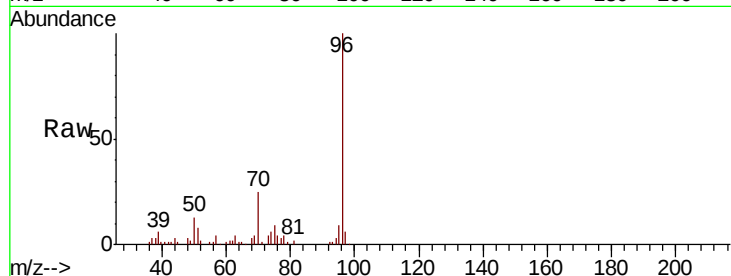
Ion Ratio Lower Upper

96 100

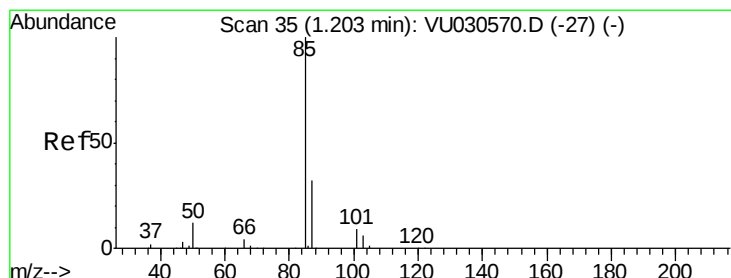
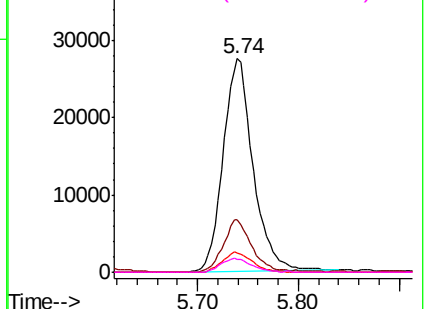
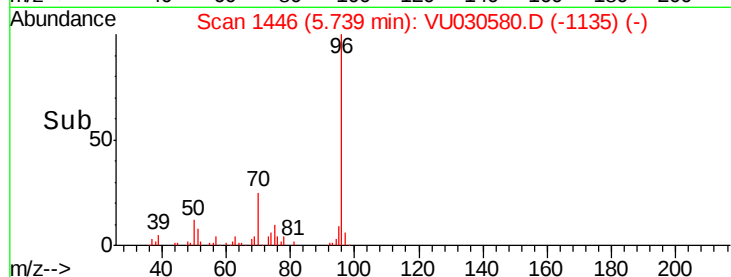
70 22.1 15.6 23.4

95 9.3 7.3 10.9

97 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 70.00 (69.70 to 70.70): VU0
Ion 95.00 (94.70 to 95.70): VU0
Ion 97.00 (96.70 to 97.70): VU0



#2

Dichlorodifluoromethane

Concen: 9.752 ug/l

RT: 1.21 min Scan# 36

Delta R.T. 0.00 min

Lab File: VU030580.D

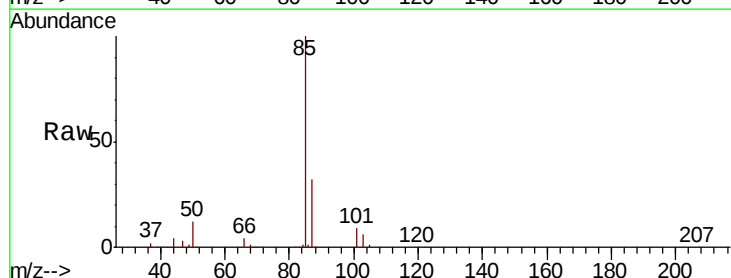
Acq: 30 Mar 2019 19:44

Tgt Ion: 85 Resp: 233992

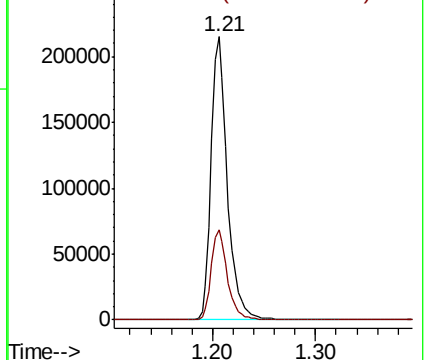
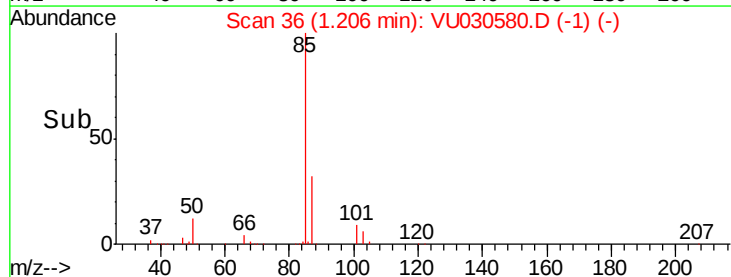
Ion Ratio Lower Upper

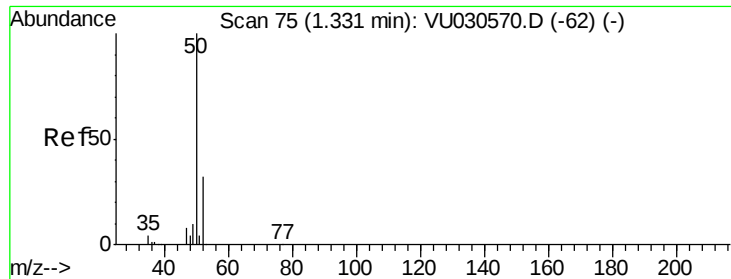
85 100

87 31.9 15.9 47.6



Abundance Ion 85.00 (84.70 to 85.70): VU0
Ion 87.00 (86.70 to 87.70): VU0





#3

Chloromethane

Concen: 9.032 ug/l

RT: 1.33 min Scan# 75

Delta R.T. 0.00 min

Lab File: VU030580.D

Acq: 30 Mar 2019 19:44

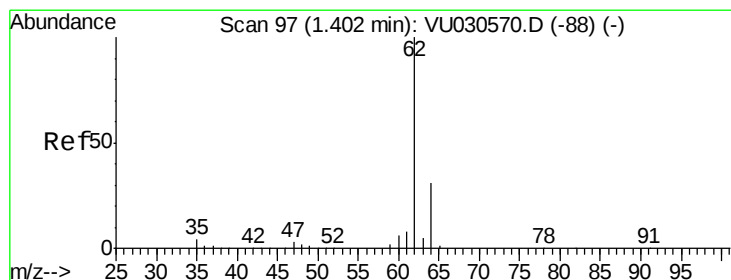
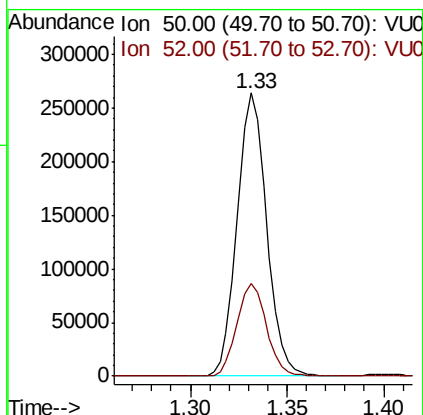
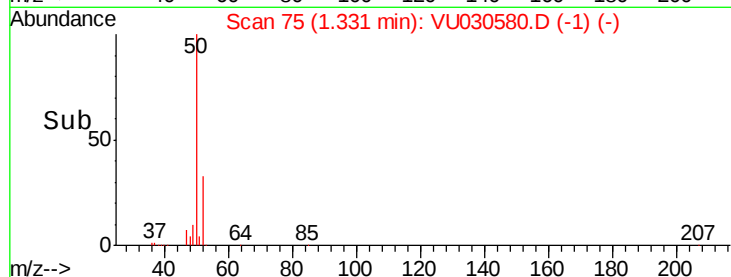
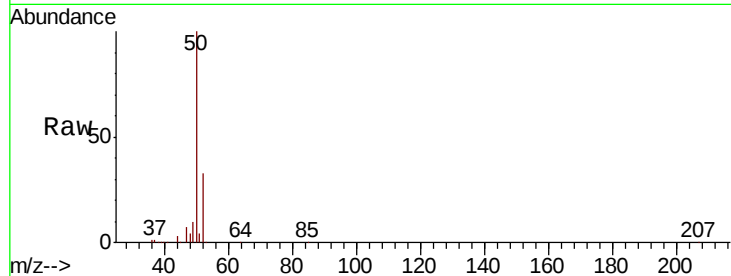
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 50 Resp: 280013

Ion Ratio Lower Upper

50 100

52 32.9 25.8 38.8



#4

Vinyl Chloride

Concen: 9.767 ug/l

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU030580.D

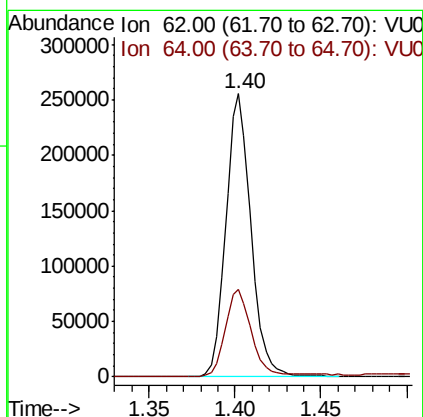
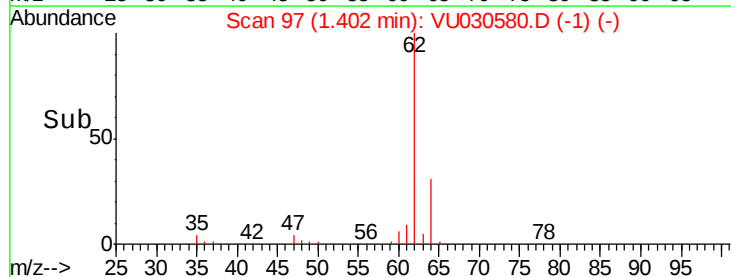
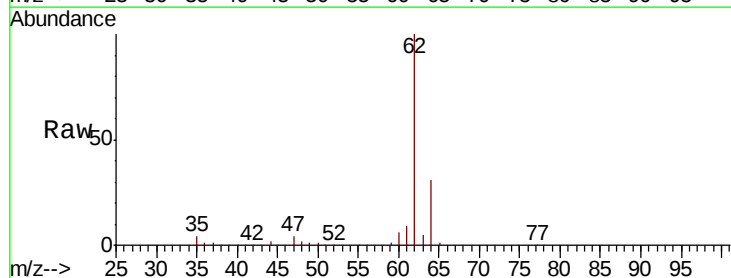
Acq: 30 Mar 2019 19:44

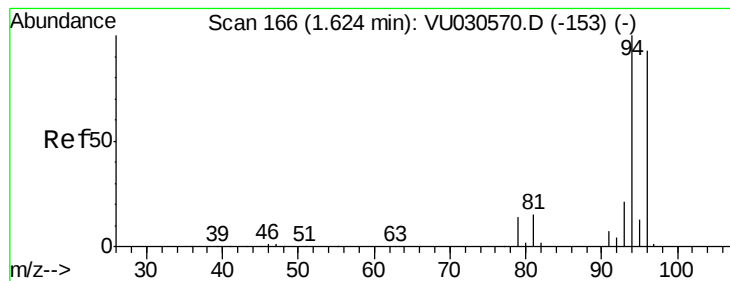
Tgt Ion: 62 Resp: 261634

Ion Ratio Lower Upper

62 100

64 30.6 25.1 37.7





#5

Bromomethane

Concen: 8.398 ug/l

RT: 1.62 min Scan# 165

Delta R.T. -0.00 min

Lab File: VU030580.D

Acq: 30 Mar 2019 19:44

Instrument :

MSVOA_U

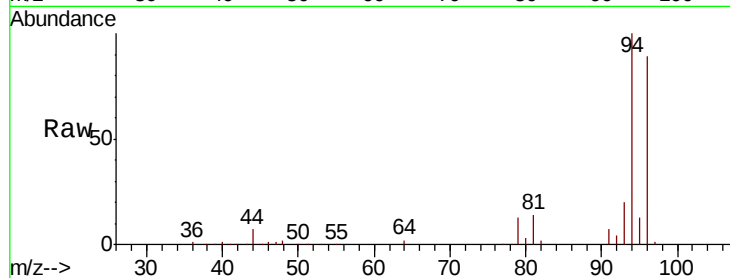
ClientSampled :

Tot Ion: 94 Resp: 97017

Ion Ratio Lower Upper

94 100

96 89.1 74.8 112.2



Abundance Ion 94.00 (93.70 to 94.70): VU030570.D (-153) (-)

Ion 96.00 (95.70 to 96.70): VU030580.D (-10) (-)

1.62

80000

60000

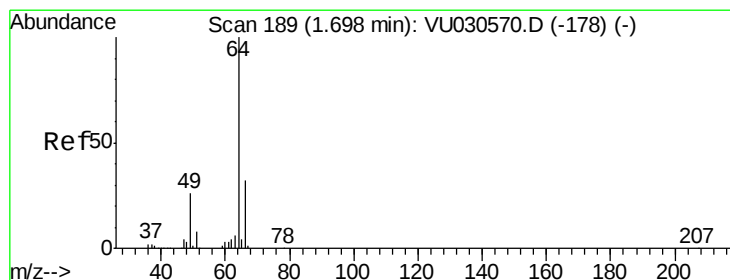
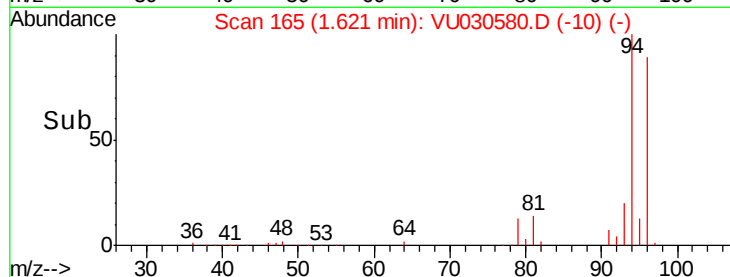
40000

20000

0

Time-->

1.55 1.60 1.65 1.70



#6

Chloroethane

Concen: 9.176 ug/l

RT: 1.69 min Scan# 188

Delta R.T. -0.00 min

Lab File: VU030580.D

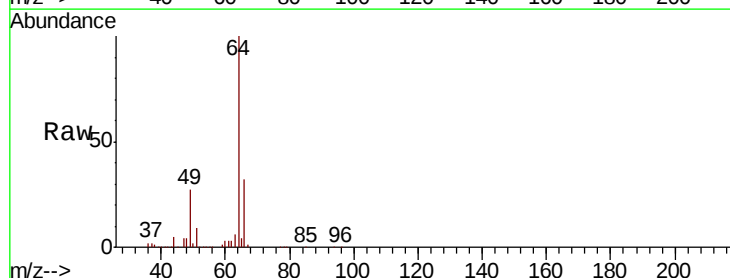
Acq: 30 Mar 2019 19:44

Tgt Ion: 64 Resp: 141758

Ion Ratio Lower Upper

64 100

66 32.3 25.5 38.3



Abundance Ion 64.00 (63.70 to 64.70): VU030570.D (-178) (-)

Ion 66.00 (65.70 to 66.70): VU030580.D (-33) (-)

1.69

120000

100000

80000

60000

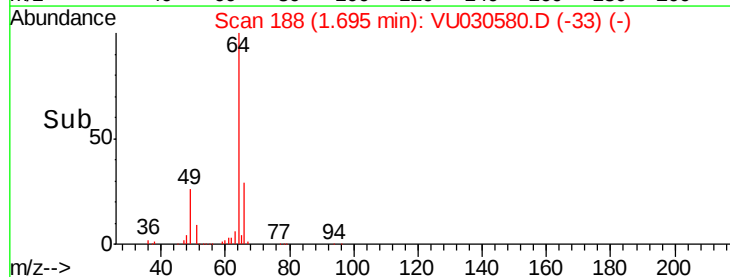
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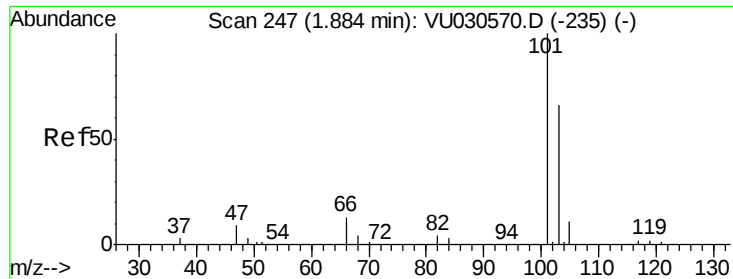
20000

0

Time-->

1.65 1.70 1.75



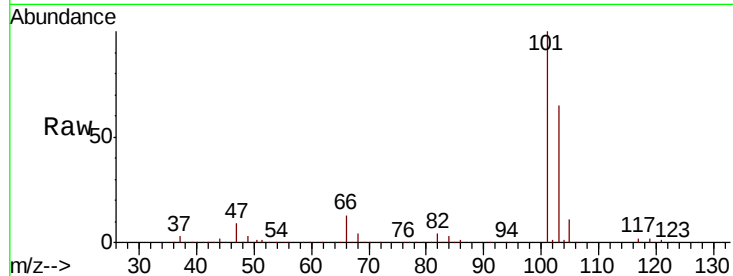


#7

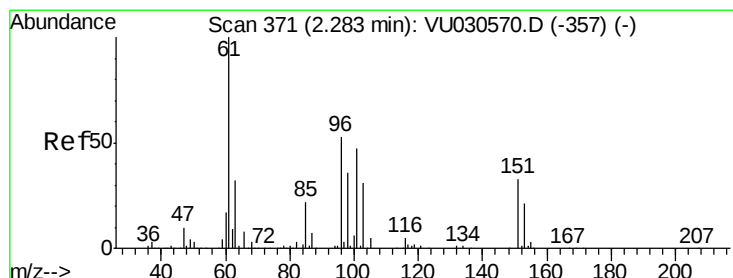
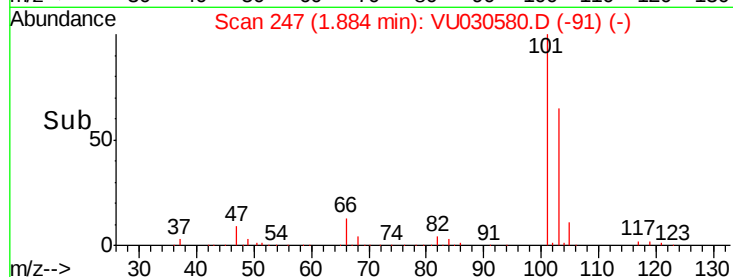
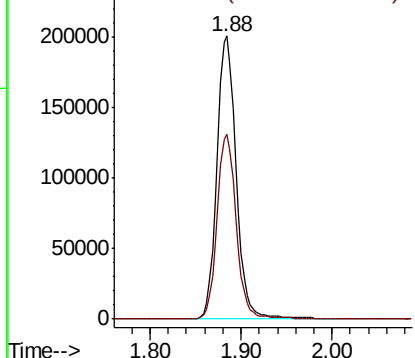
Trichlorofluoromethane
 Concen: 10.036 ug/l
 RT: 1.88 min Scan# 247
 Delta R.T. 0.00 min
 Lab File: VU030580.D
 Acq: 30 Mar 2019 19:44

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:101 Resp: 295264
 Ion Ratio Lower Upper
 101 100
 103 65.4 52.6 79.0



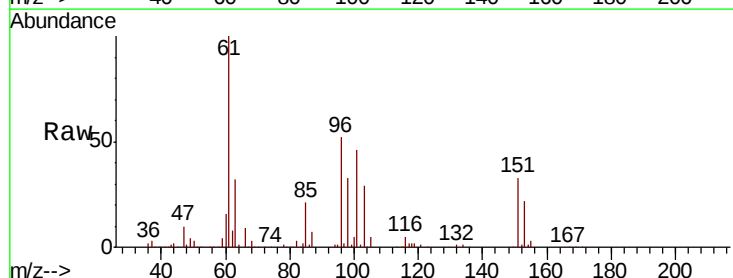
Abundance Ion 101.00 (100.70 to 101.70): V
 Ion 103.00 (102.70 to 103.70): V



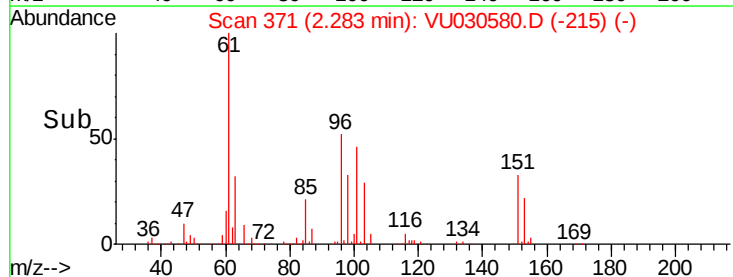
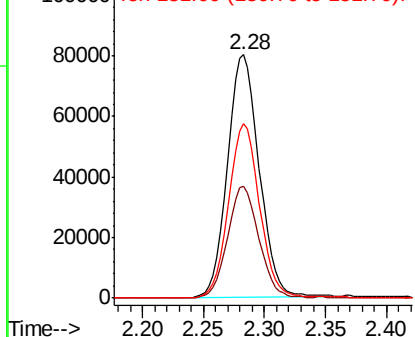
#8

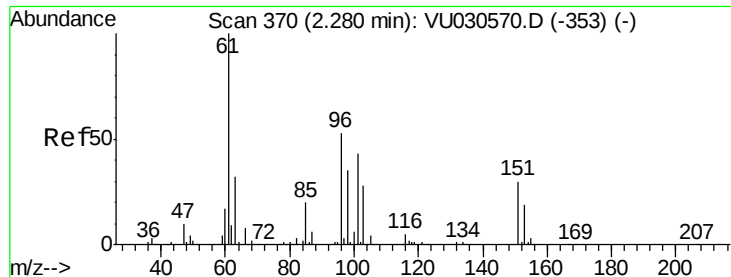
1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 9.660 ug/l
 RT: 2.28 min Scan# 371
 Delta R.T. 0.00 min
 Lab File: VU030580.D
 Acq: 30 Mar 2019 19:44

Tgt Ion:101 Resp: 144377
 Ion Ratio Lower Upper
 101 100
 85 45.5 36.5 54.7
 151 70.1 56.5 84.7



Abundance Ion 101.00 (100.70 to 101.70): V
 Ion 85.00 (84.70 to 85.70): VU
 Ion 151.00 (150.70 to 151.70): V





#9

1,1-Dichloroethene

Concen: 9.440 ug/l

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU030580.D

Acq: 30 Mar 2019 19:44

Instrument :
MSVOA_U
ClientSampled :

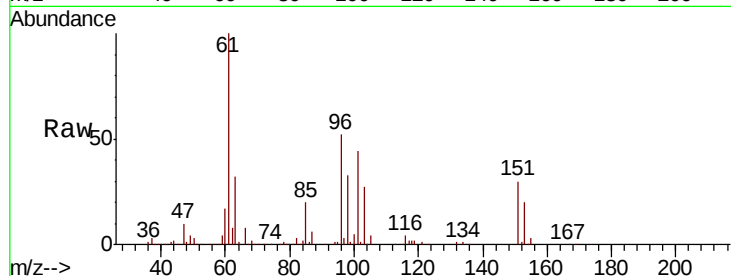
Tot Ion: 96 Resp: 141989

Ion Ratio Lower Upper

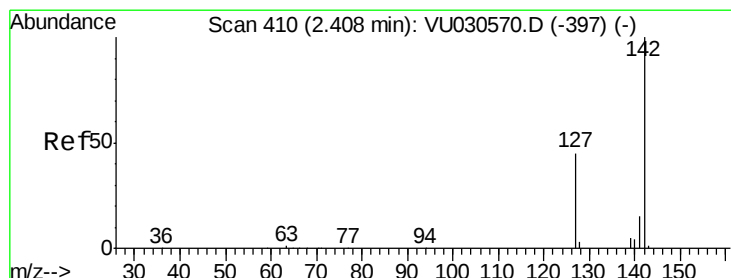
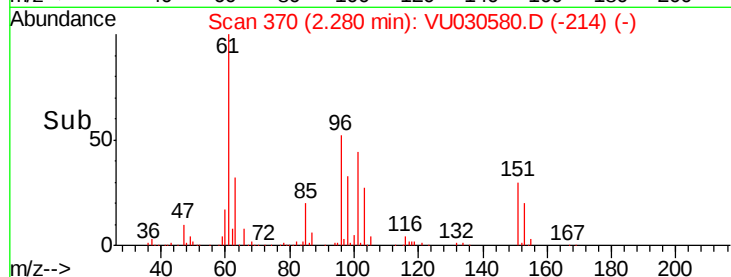
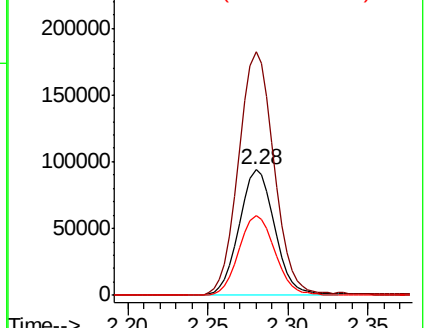
96 100

61 193.8 0.0 567.0

98 63.2 0.0 132.2



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



#10

Iodomethane

Concen: 6.430 ug/l

RT: 2.41 min Scan# 410

Delta R.T. 0.00 min

Lab File: VU030580.D

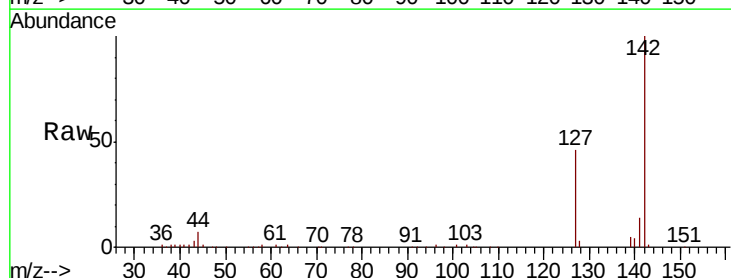
Acq: 30 Mar 2019 19:44

Tgt Ion: 142 Resp: 91028

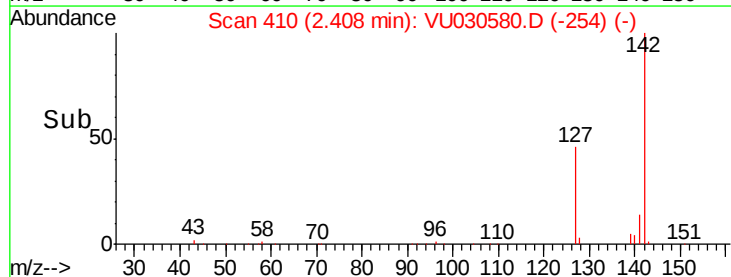
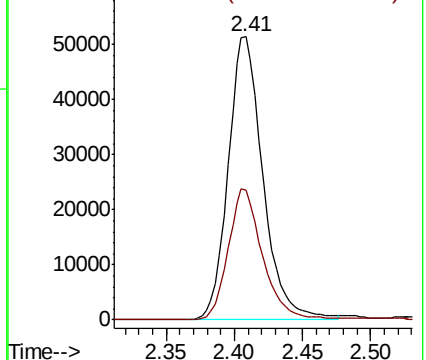
Ion Ratio Lower Upper

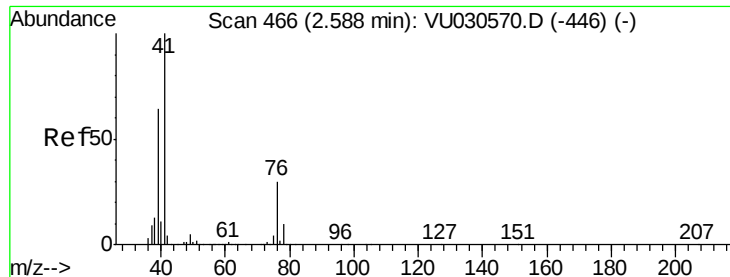
142 100

127 45.8 36.8 55.2



Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V

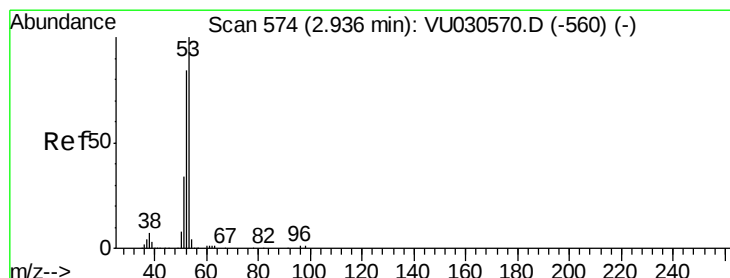
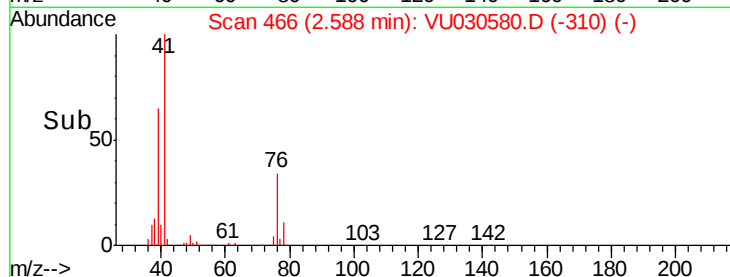
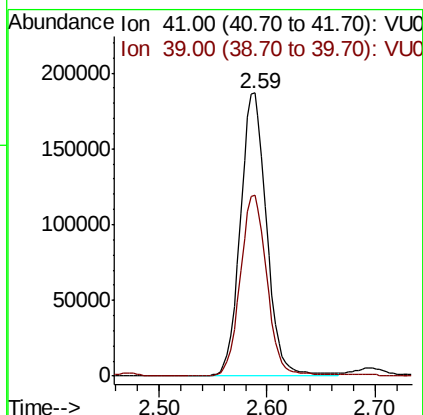
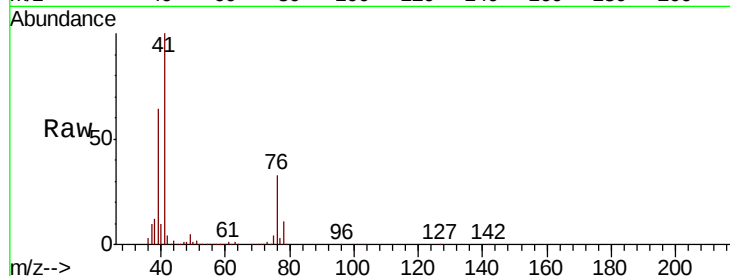




#11
Allvl Chloride
Concen: 9.656 ug/l
RT: 2.59 min Scan# 466
Delta R.T. 0.00 min
Lab File: VU030580.D
Acq: 30 Mar 2019 19:44

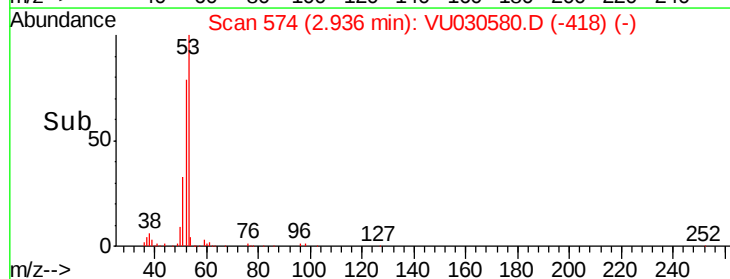
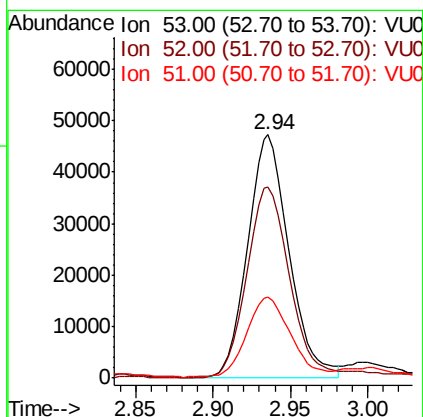
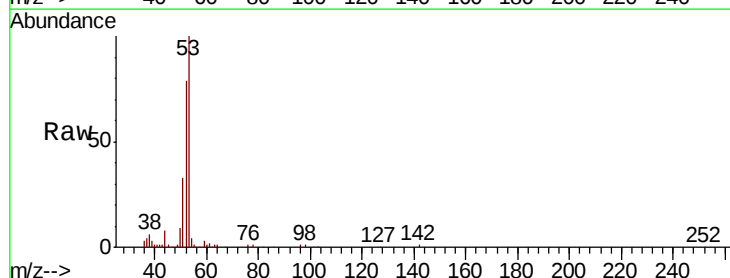
Instrument :
MSVOA_U
ClientSampleId :

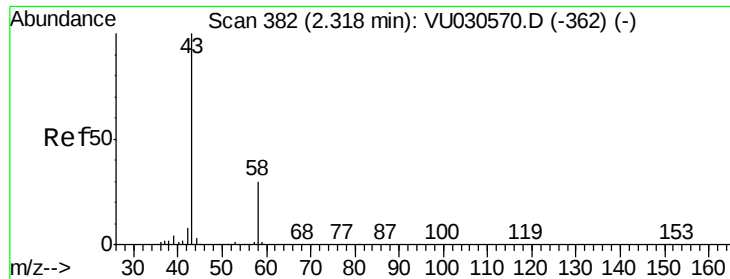
Tot Ion: 41 Resp: 316403
Ion Ratio Lower Upper
41 100
39 64.4 51.8 77.6



#12
Acrylonitrile
Concen: 20.526 ug/l
RT: 2.94 min Scan# 574
Delta R.T. 0.00 min
Lab File: VU030580.D
Acq: 30 Mar 2019 19:44

Tgt Ion: 53 Resp: 87685
Ion Ratio Lower Upper
53 100
52 81.9 69.1 103.7
51 34.8 27.9 41.9





#13

Acetone

Concen: 46.336 ug/l

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU030580.D

Acq: 30 Mar 2019 19:44

Instrument :

MSVOA_U

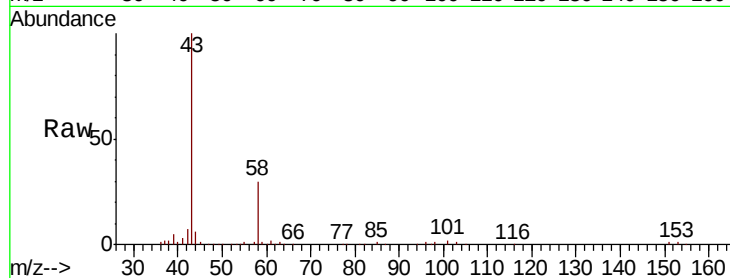
ClientSampleId :

Tot Ion: 43 Resp: 185450

Ion Ratio Lower Upper

43 100

58 30.4 24.2 36.4



Abundance Ion 43.00 (42.70 to 43.70): VU030580.D (-226) (-)

Ion 58.00 (57.70 to 58.70): VU030580.D (-226) (-)

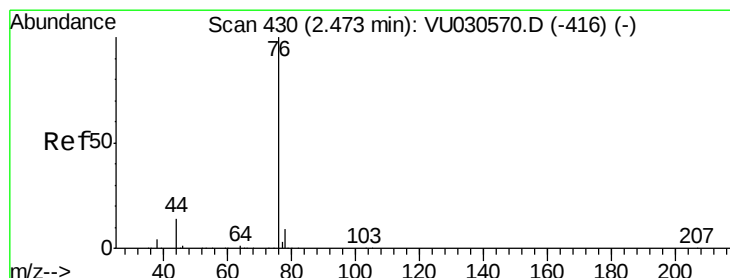
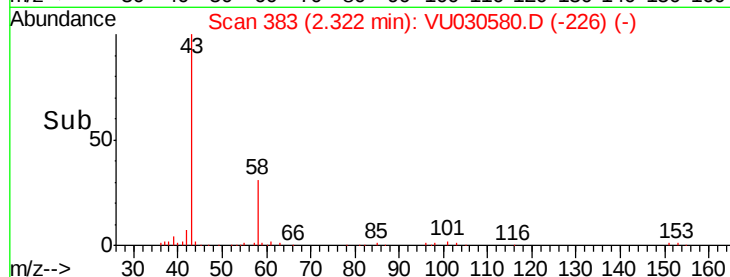
2.32

100000

50000

0

Time--> 2.20 2.30 2.40



#14

Carbon Disulfide

Concen: 9.663 ug/l

RT: 2.47 min Scan# 429

Delta R.T. -0.00 min

Lab File: VU030580.D

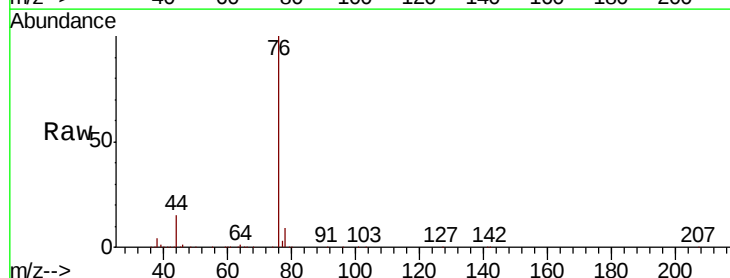
Acq: 30 Mar 2019 19:44

Tgt Ion: 76 Resp: 531053

Ion Ratio Lower Upper

76 100

78 9.4 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VU030580.D (-274) (-)

Ion 78.00 (77.70 to 78.70): VU030580.D (-274) (-)

2.47

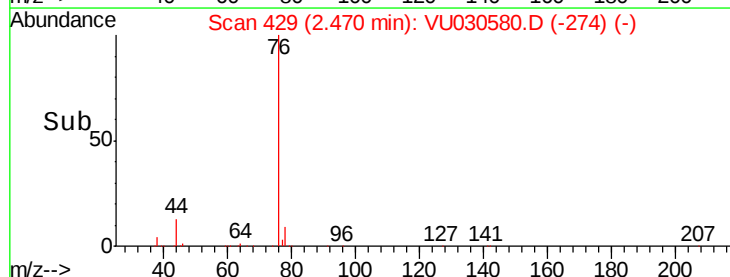
300000

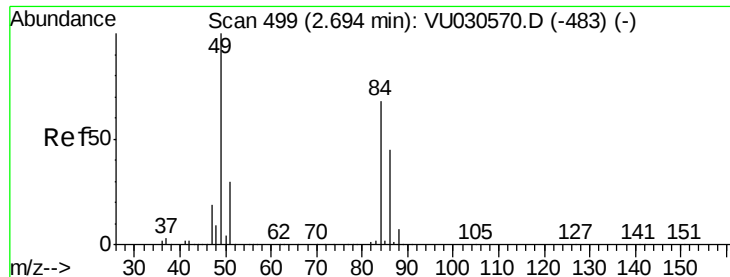
200000

100000

0

Time--> 2.40 2.45 2.50 2.55

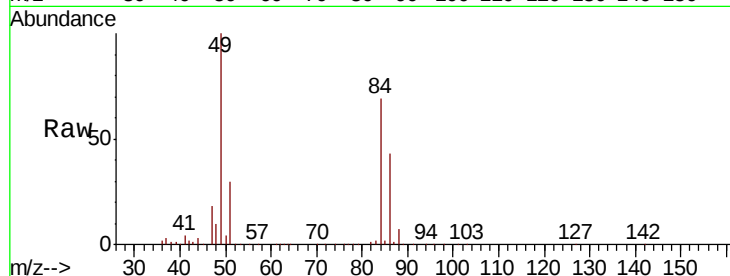




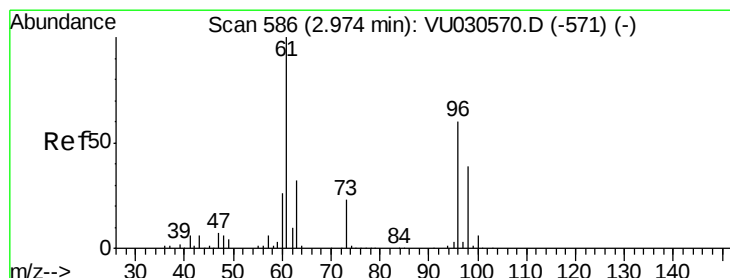
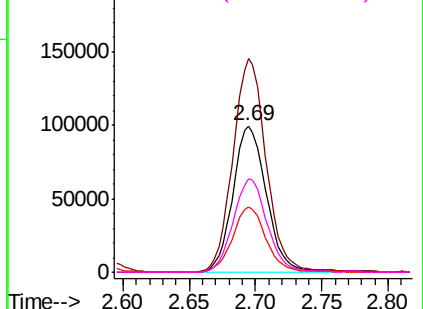
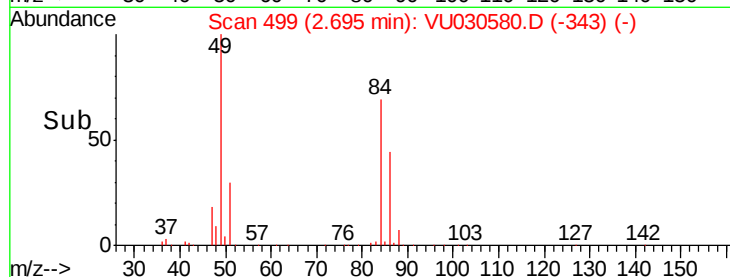
#15
Methvlene Chloride
Concen: 9.141 ug/l
RT: 2.69 min Scan# 499
Delta R.T. 0.00 min
Lab File: VU030580.D
Acq: 30 Mar 2019 19:44

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 84 Resp: 174374
Ion Ratio Lower Upper
84 100
49 145.7 117.0 175.6
51 44.3 0.0 88.6
86 63.4 52.2 78.2

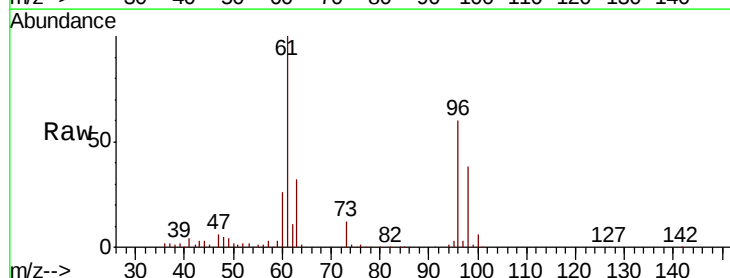


Abundance Ion 84.00 (83.70 to 84.70): VU0
Ion 49.00 (48.70 to 49.70): VU0
Ion 51.00 (50.70 to 51.70): VU0
Ion 86.00 (85.70 to 86.70): VU0

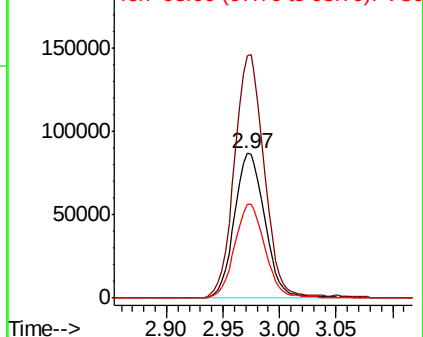
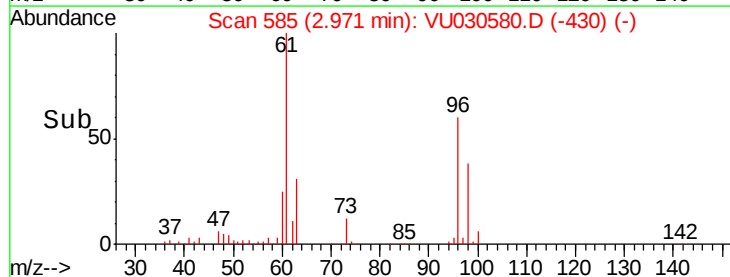


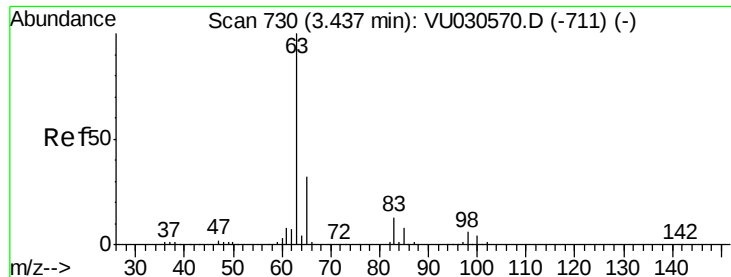
#16
trans-1,2-Dichloroethene
Concen: 9.623 ug/l
RT: 2.97 min Scan# 585
Delta R.T. -0.00 min
Lab File: VU030580.D
Acq: 30 Mar 2019 19:44

Tgt Ion: 96 Resp: 163522
Ion Ratio Lower Upper
96 100
61 167.4 132.3 198.5
98 64.4 51.3 76.9



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





#17

1,1-Dichloroethane

Concen: 10.094 ug/l

RT: 3.43 min Scan# 729

Delta R.T. -0.00 min

Lab File: VU030580.D

Acq: 30 Mar 2019 19:44

Instrument :
MSVOA_U
ClientSampleId :

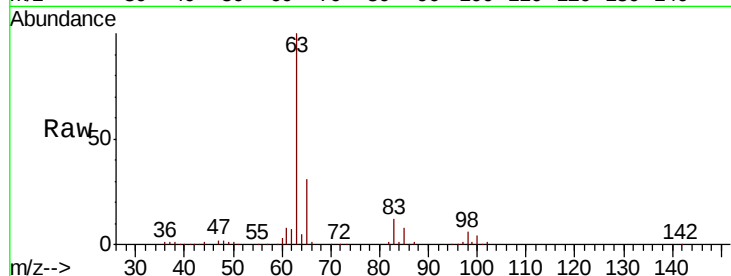
Tot Ion: 63 Resp: 348274

Ion Ratio Lower Upper

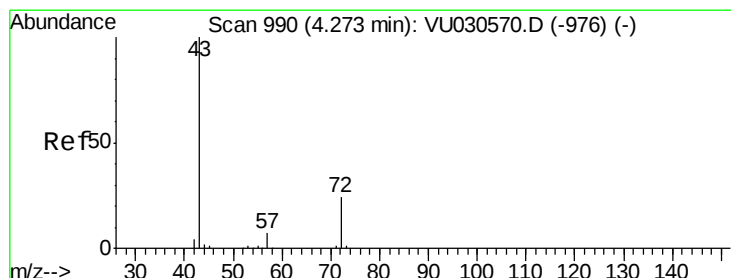
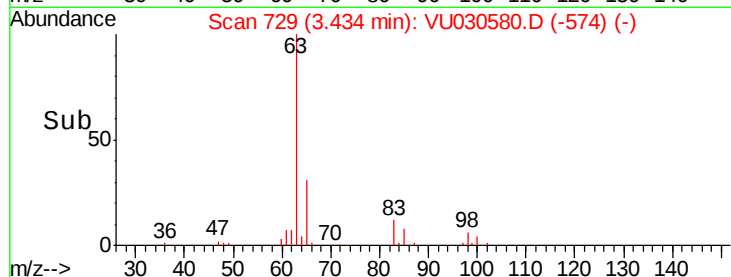
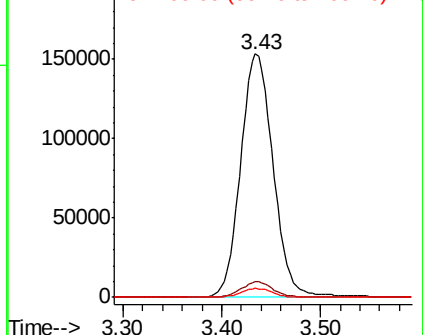
63 100

98 6.4 3.0 9.0

100 3.6 1.8 5.5



Abundance Ion 63.00 (62.70 to 63.70): VU030570.D (-711) (-)
Ion 98.00 (97.70 to 98.70): VU030570.D (-711) (-)
Ion 100.00 (99.70 to 100.70): VU030570.D (-711) (-)



#18

2-Butanone

Concen: 57.173 ug/l

RT: 4.28 min Scan# 991

Delta R.T. 0.00 min

Lab File: VU030580.D

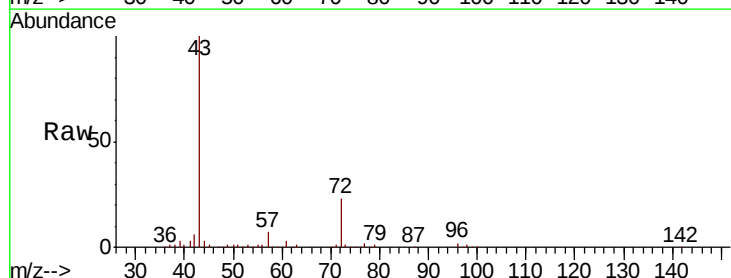
Acq: 30 Mar 2019 19:44

Tgt Ion: 43 Resp: 295825

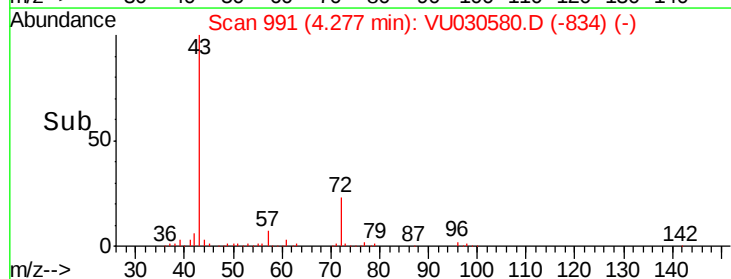
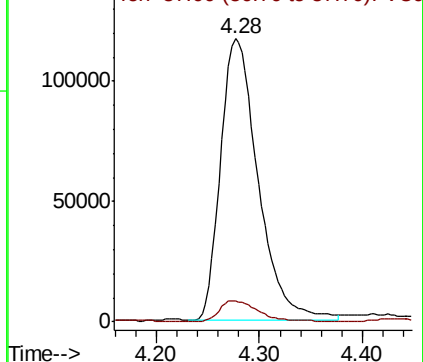
Ion Ratio Lower Upper

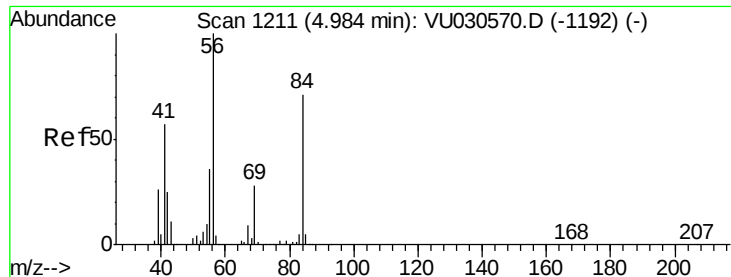
43 100

57 7.3 0.0 14.4



Abundance Ion 43.00 (42.70 to 43.70): VU030570.D (-976) (-)
Ion 57.00 (56.70 to 57.70): VU030570.D (-976) (-)

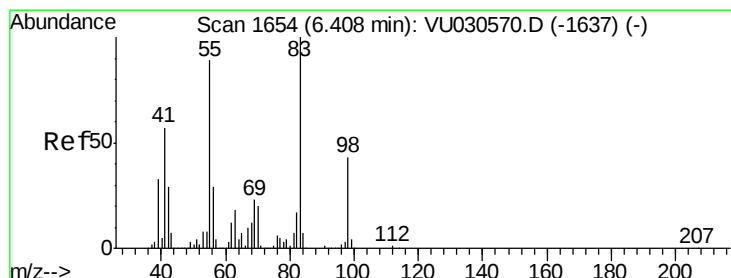
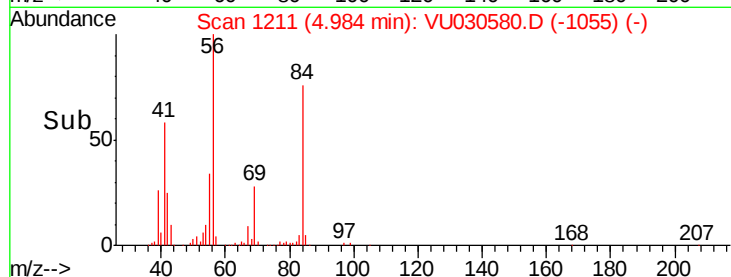
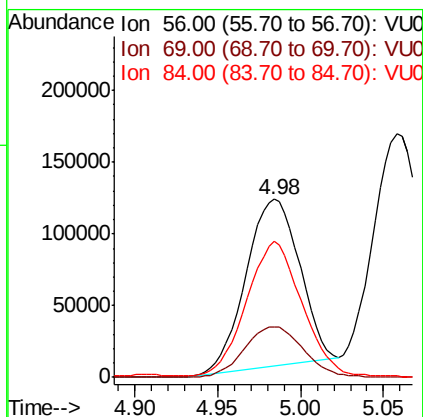
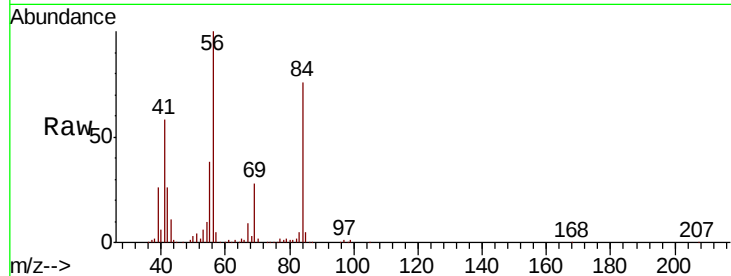




#19
Cyclohexane
Concen: 9.007 ug/l
RT: 4.98 min Scan# 1211
Delta R.T. 0.00 min
Lab File: VU030580.D
Acq: 30 Mar 2019 19:44

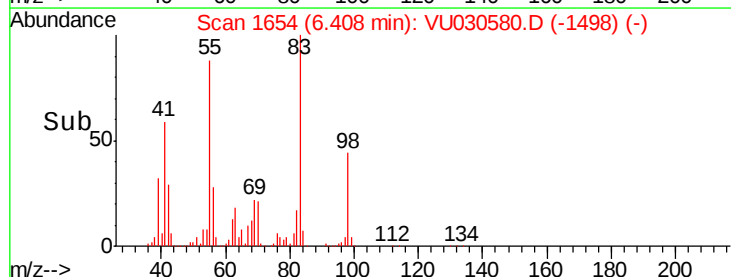
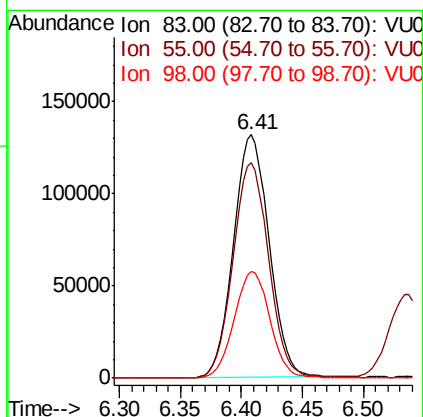
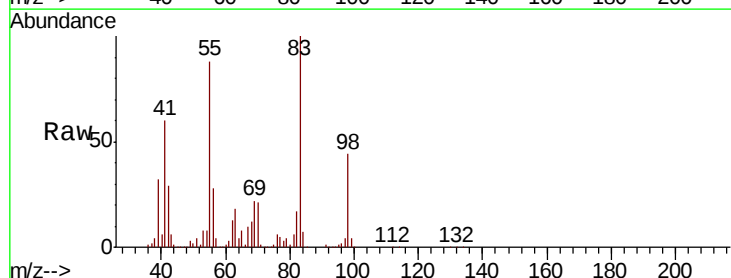
Instrument :
MSVOA_U
ClientSampled :

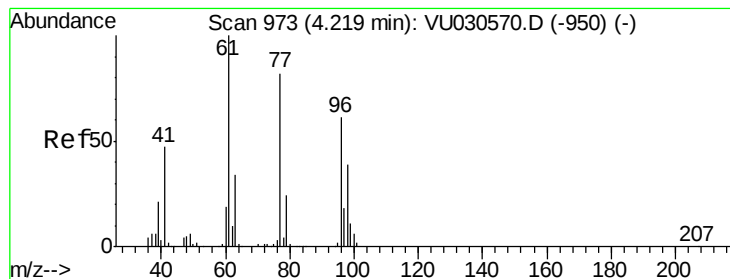
Tot Ion: 56 Resp: 262174
Ion Ratio Lower Upper
56 100
69 33.2 22.3 33.5
84 83.5 57.6 86.4



#20
Methylcyclohexane
Concen: 10.446 ug/l
RT: 6.41 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VU030580.D
Acq: 30 Mar 2019 19:44

Tgt Ion: 83 Resp: 266768
Ion Ratio Lower Upper
83 100
55 87.7 72.0 108.0
98 43.5 35.0 52.4





#21

2,2-Dichloropropane

Concen: 8.479 ug/l

RT: 4.22 min Scan# 973

Delta R.T. 0.00 min

Lab File: VU030580.D

Acq: 30 Mar 2019 19:44

Instrument :

MSVOA_U

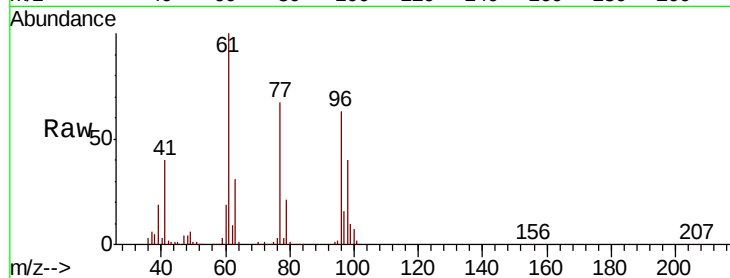
ClientSampled :

Tot Ion: 77 Resp: 224845

Ion Ratio Lower Upper

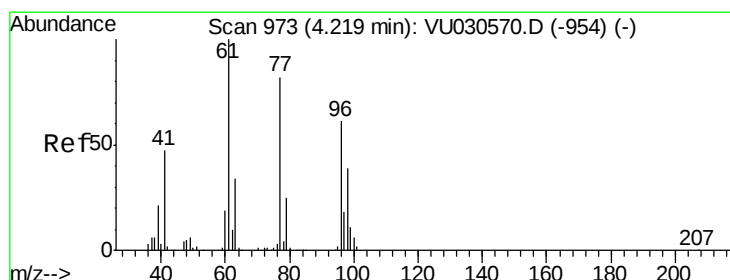
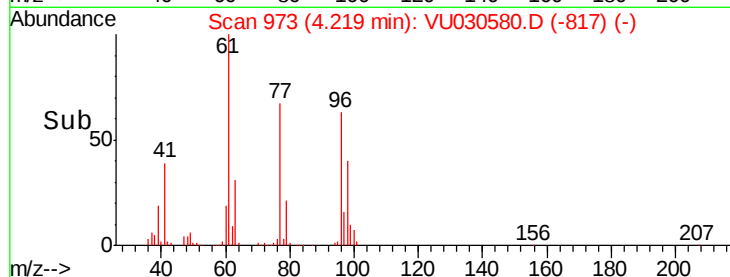
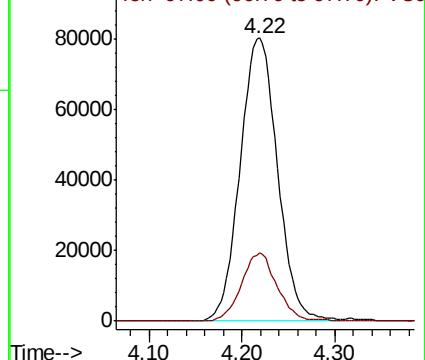
77 100

97 22.9 17.6 26.4



Abundance Ion 77.00 (76.70 to 77.70): VU030570.D (-950) (-)

Ion 97.00 (96.70 to 97.70): VU030570.D (-950) (-)



#22

cis-1,2-Dichloroethene

Concen: 10.177 ug/l

RT: 4.22 min Scan# 973

Delta R.T. 0.00 min

Lab File: VU030580.D

Acq: 30 Mar 2019 19:44

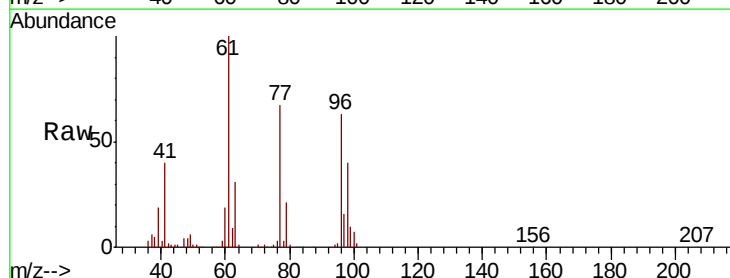
Tgt Ion: 96 Resp: 185706

Ion Ratio Lower Upper

96 100

61 162.4 0.0 427.0

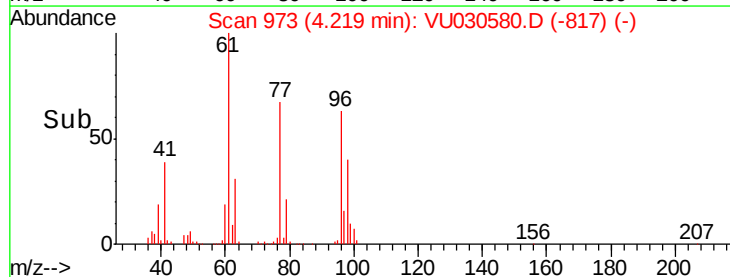
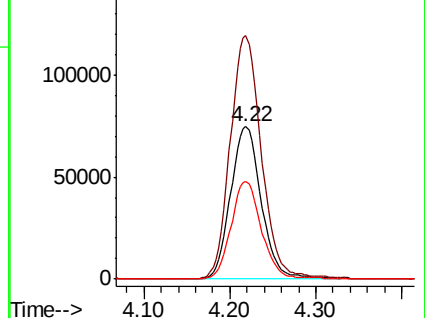
98 62.5 32.5 97.4

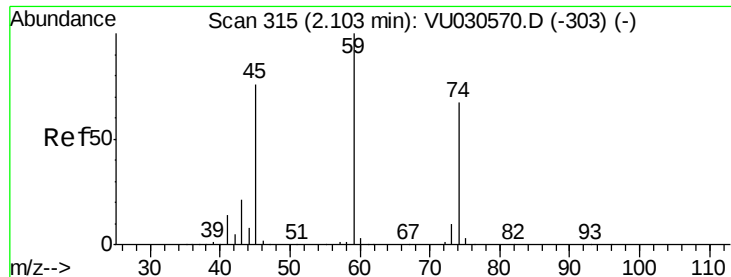


Abundance Ion 96.00 (95.70 to 96.70): VU030570.D (-954) (-)

Ion 61.00 (60.70 to 61.70): VU030570.D (-954) (-)

Ion 98.00 (97.70 to 98.70): VU030570.D (-954) (-)

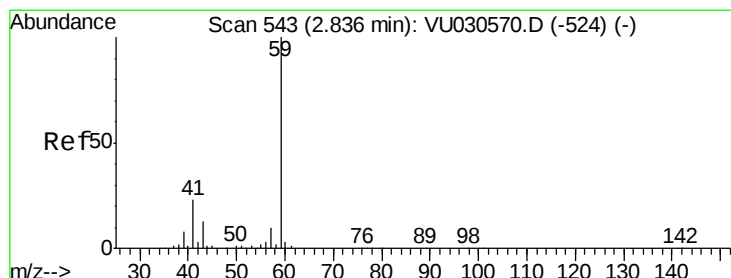
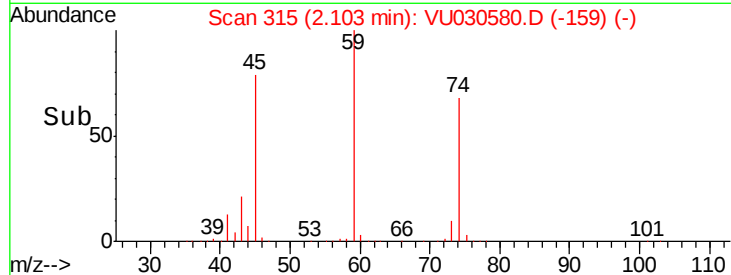
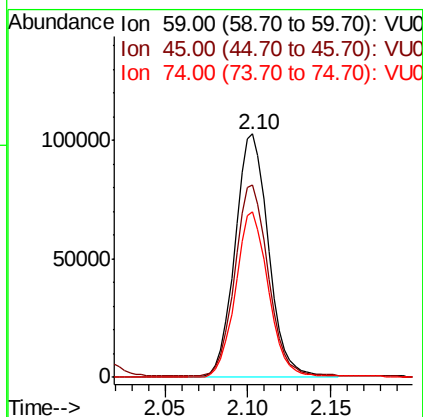
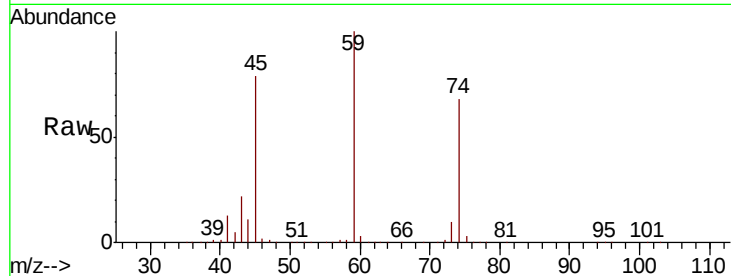




#23
Diethyl Ether
Concen: 10.119 ug/l
RT: 2.10 min Scan# 315
Delta R.T. 0.00 min
Lab File: VU030580.D
Acq: 30 Mar 2019 19:44

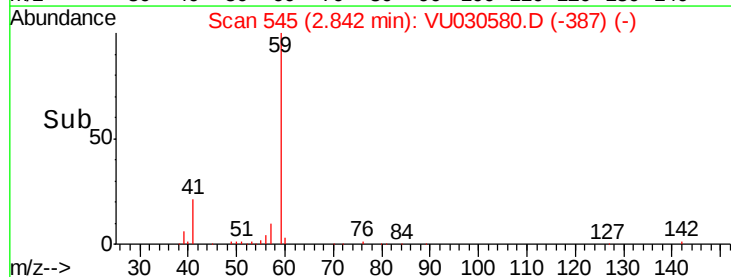
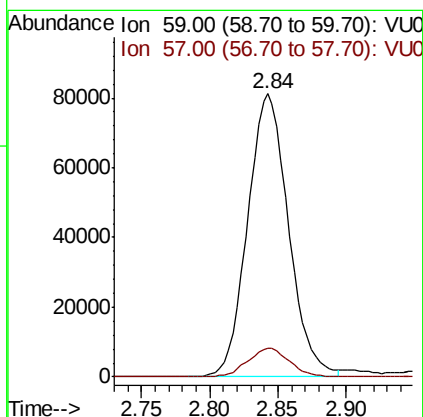
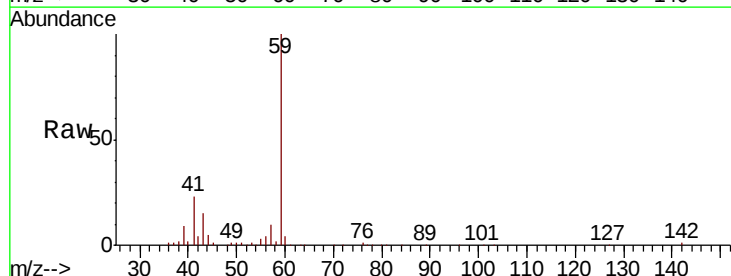
Instrument :
MSVOA_U
ClientSampled :

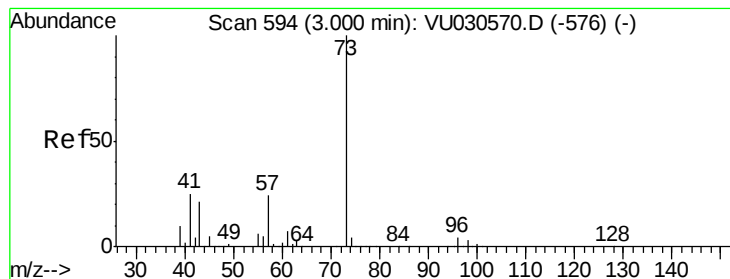
Tot Ion: 59 Resp: 144647
Ion Ratio Lower Upper
59 100
45 78.0 61.6 92.4
74 67.9 53.2 79.8



#24
tert-Butyl Alcohol
Concen: 114.190 ug/l
RT: 2.84 min Scan# 545
Delta R.T. 0.01 min
Lab File: VU030580.D
Acq: 30 Mar 2019 19:44

Tgt Ion: 59 Resp: 168985
Ion Ratio Lower Upper
59 100
57 10.4 8.4 12.6



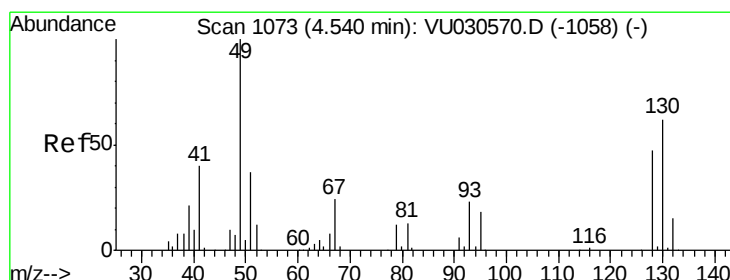
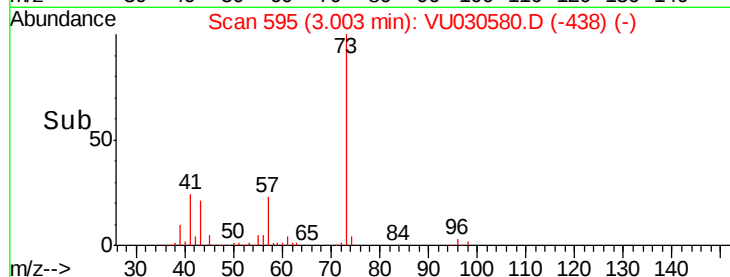
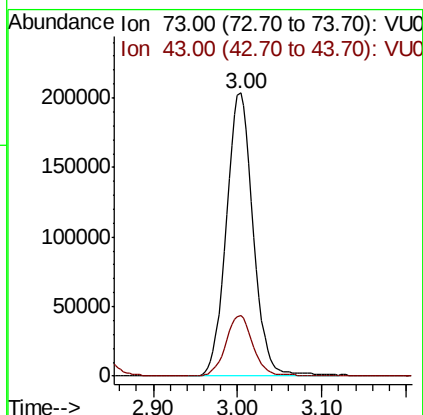
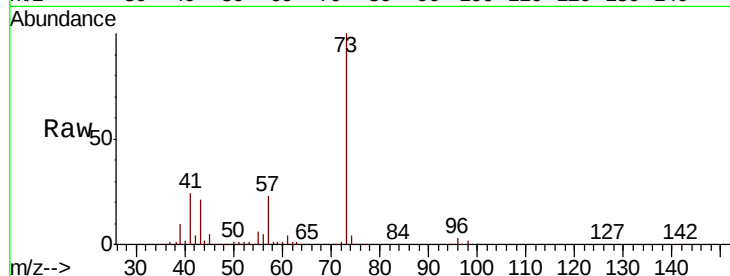


#25

Methyl tert-Butyl Ether
 Concen: 10.316 ug/l
 RT: 3.00 min Scan# 595
 Delta R.T. 0.00 min
 Lab File: VU030580.D
 Acq: 30 Mar 2019 19:44

Instrument :
 MSVOA_U
 ClientSampleId :

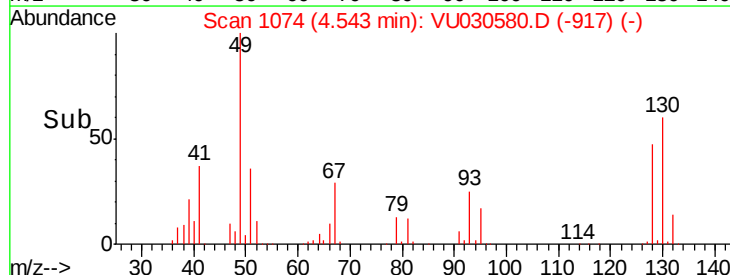
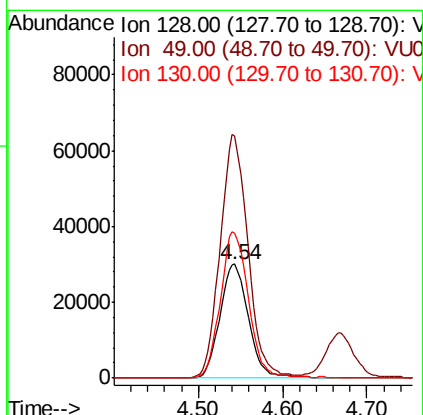
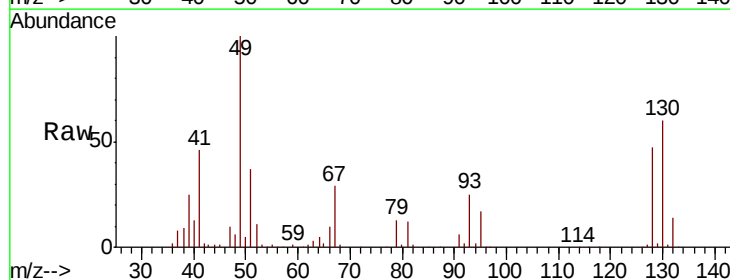
Tot Ion: 73 Resp: 449217
 Ion Ratio Lower Upper
 73 100
 43 21.0 16.6 24.8

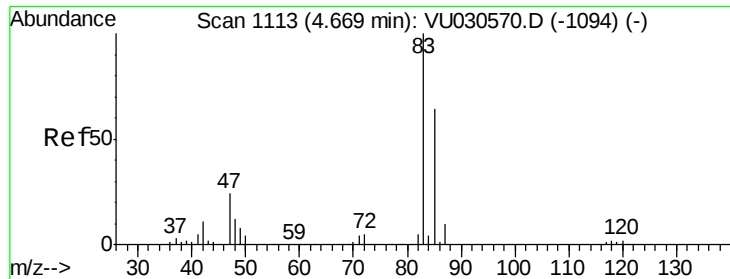


#26

Bromochloromethane
 Concen: 9.903 ug/l
 RT: 4.54 min Scan# 1074
 Delta R.T. 0.00 min
 Lab File: VU030580.D
 Acq: 30 Mar 2019 19:44

Tgt Ion: 128 Resp: 70764
 Ion Ratio Lower Upper
 128 100
 49 208.6 0.0 418.2
 130 126.1 103.4 155.0

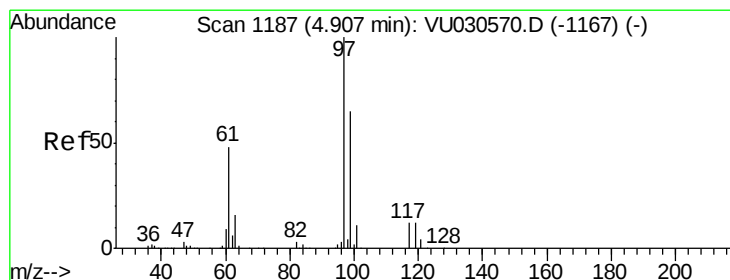
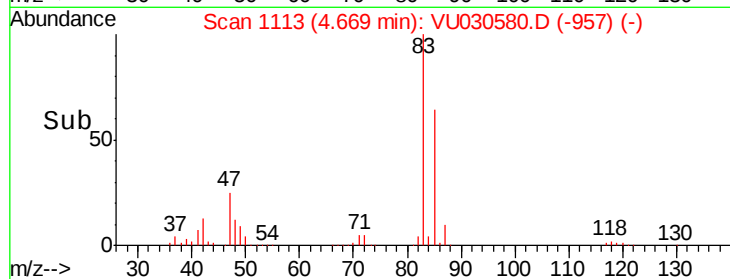
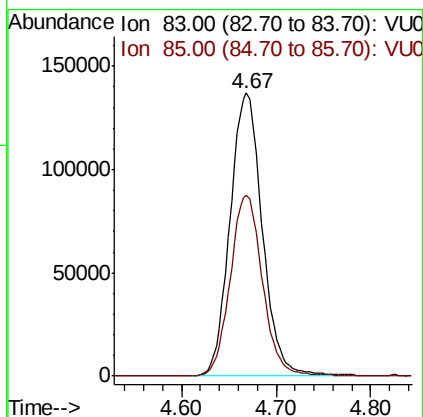
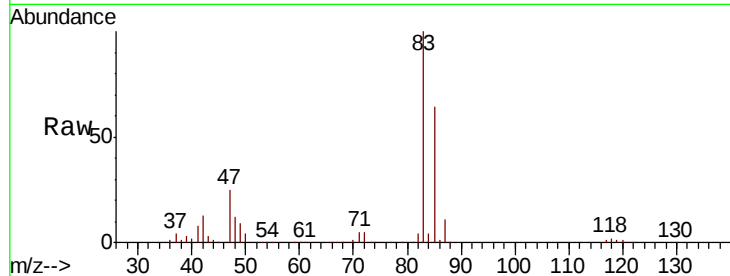




#27
Chloroform
Concen: 10.093 ug/l
RT: 4.67 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VU030580.D
Acq: 30 Mar 2019 19:44

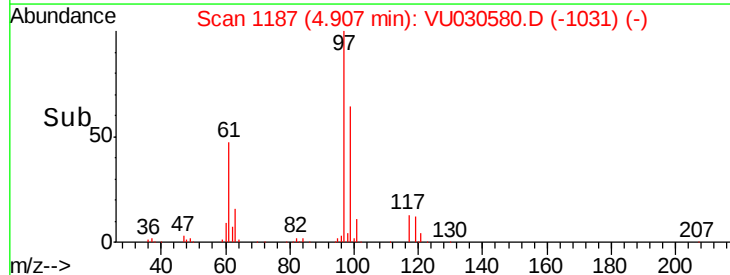
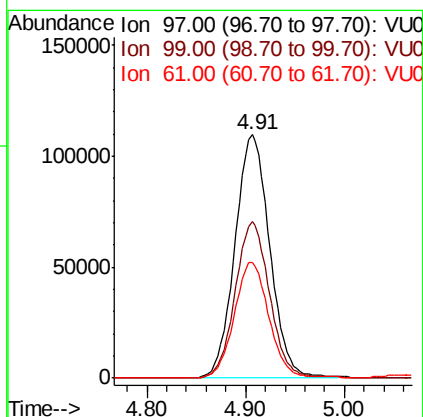
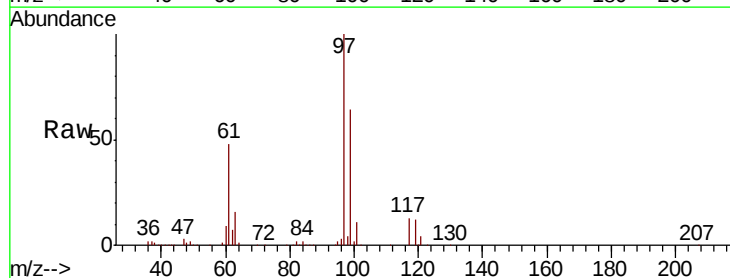
Instrument :
MSVOA_U
ClientSampleId :

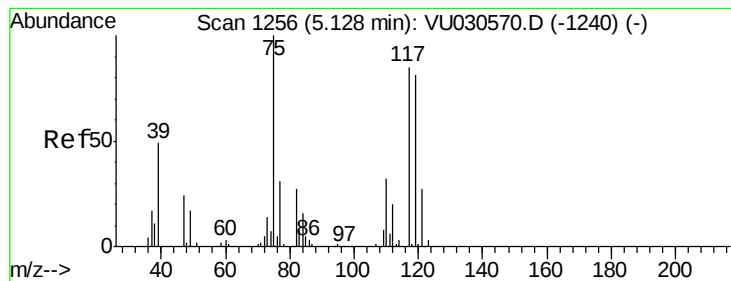
Tot Ion: 83 Resp: 325333
Ion Ratio Lower Upper
83 100
85 64.2 0.0 128.4



#28
1,1,1-Trichloroethane
Concen: 10.096 ug/l
RT: 4.91 min Scan# 1187
Delta R.T. 0.00 min
Lab File: VU030580.D
Acq: 30 Mar 2019 19:44

Tgt Ion: 97 Resp: 268631
Ion Ratio Lower Upper
97 100
99 63.2 32.0 96.0
61 47.2 24.0 72.0





#29

1,1-Dichloropropene

Concen: 9.993 ug/l

RT: 5.13 min Scan# 1256

Delta R.T. 0.00 min

Lab File: VU030580.D

Acq: 30 Mar 2019 19:44

Instrument :
MSVOA_U
ClientSampleId :

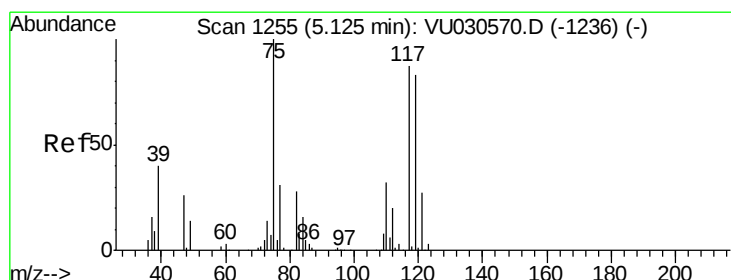
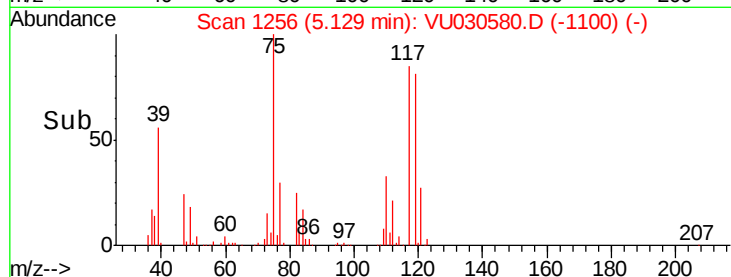
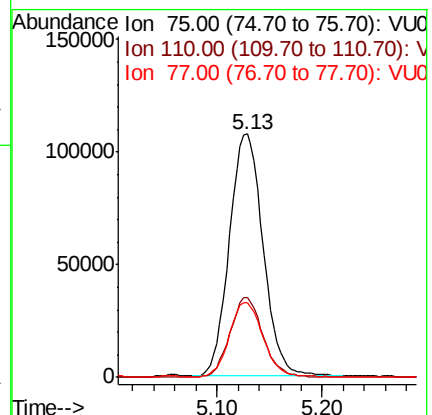
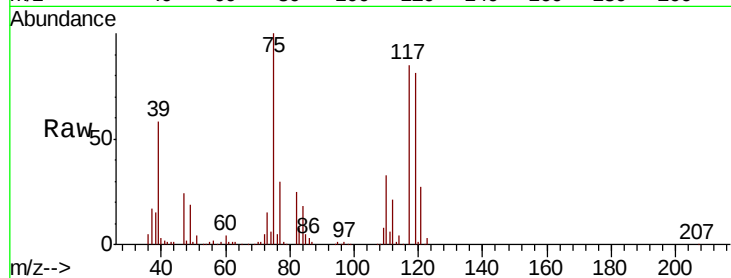
Tot Ion: 75 Resp: 238468

Ion Ratio Lower Upper

75 100

110 32.3 16.0 48.0

77 30.5 24.8 37.2



#30

Carbon Tetrachloride

Concen: 10.243 ug/l

RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VU030580.D

Acq: 30 Mar 2019 19:44

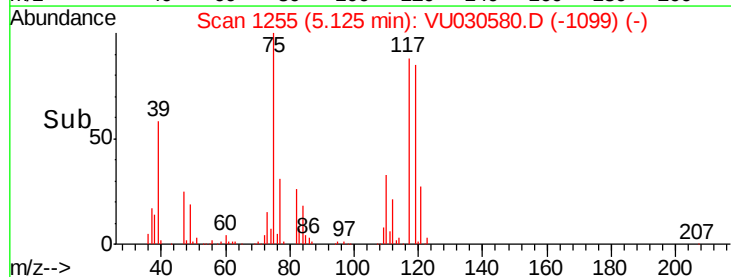
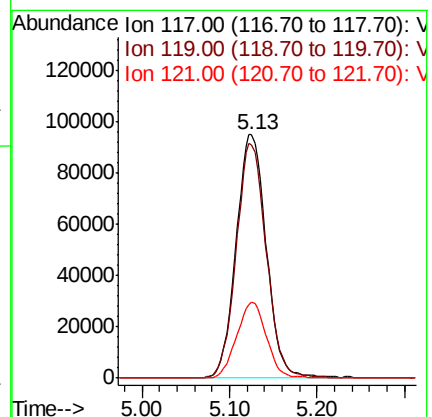
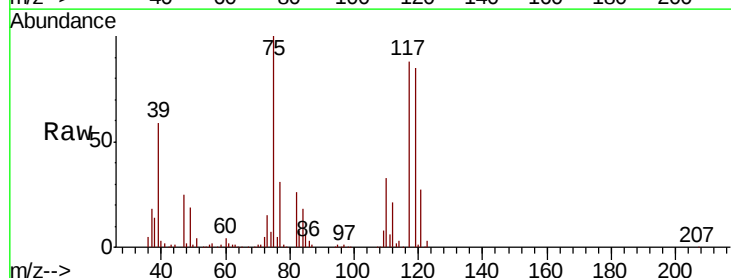
Tgt Ion: 117 Resp: 227486

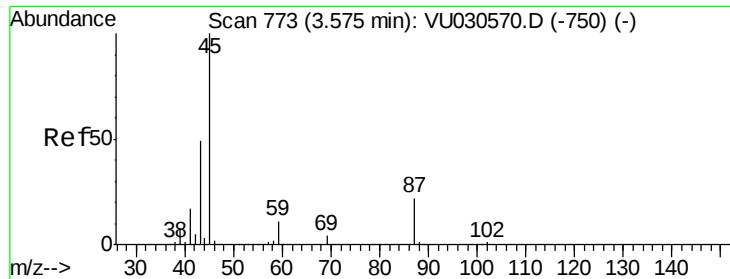
Ion Ratio Lower Upper

117 100

119 95.9 76.4 114.6

121 31.1 24.7 37.1





#31

Isopropyl Ether

Concen: 10.123 ug/l

RT: 3.58 min Scan# 773

Delta R.T. 0.00 min

Lab File: VU030580.D

Acq: 30 Mar 2019 19:44

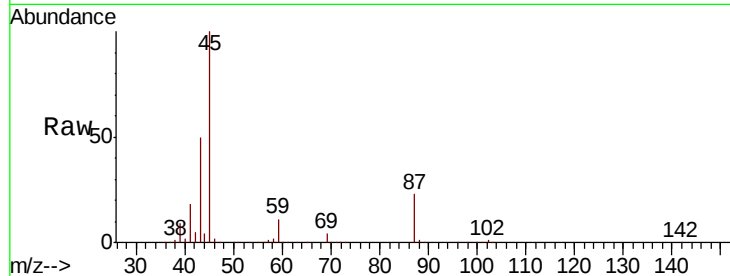
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 45 Resp: 581712

Ion Ratio Lower Upper

45 100

43 49.2 25.0 75.0



Abundance Ion 45.00 (44.70 to 45.70): VU030570.D (-750) (-)

Ion 43.00 (42.70 to 43.70): VU030570.D (-750) (-)

3.58

250000

200000

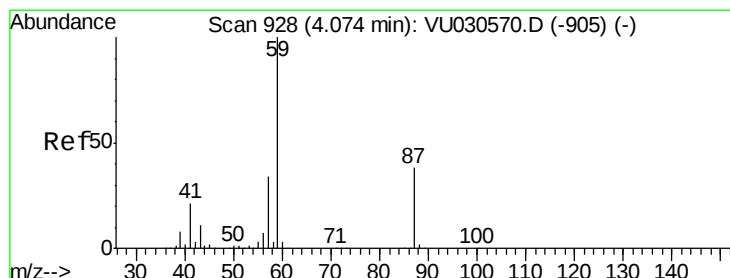
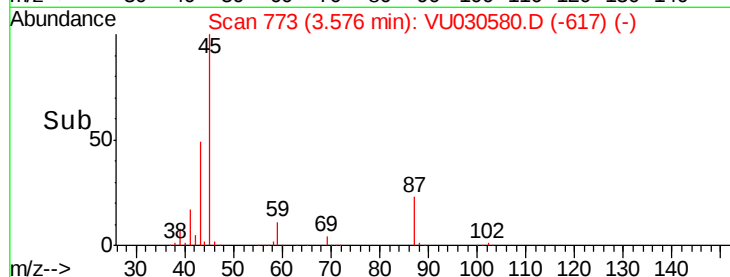
150000

100000

50000

0

Time-->



#32

Ethyl-t-butyl ether

Concen: 10.302 ug/l

RT: 4.07 min Scan# 928

Delta R.T. 0.00 min

Lab File: VU030580.D

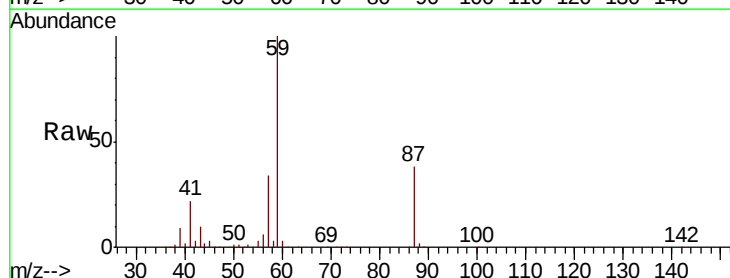
Acq: 30 Mar 2019 19:44

Tgt Ion: 59 Resp: 471497

Ion Ratio Lower Upper

59 100

87 37.6 30.1 45.1



Abundance Ion 59.00 (58.70 to 59.70): VU030570.D (-905) (-)

Ion 87.00 (86.70 to 87.70): VU030570.D (-905) (-)

4.07

200000

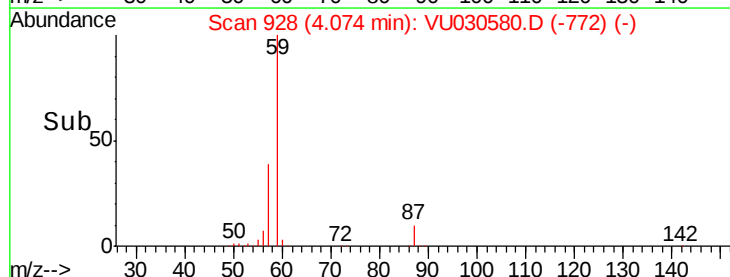
150000

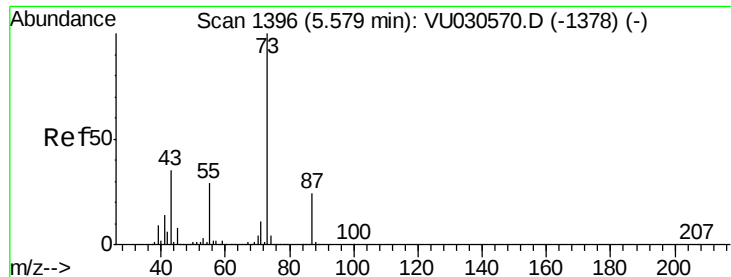
100000

50000

0

Time-->

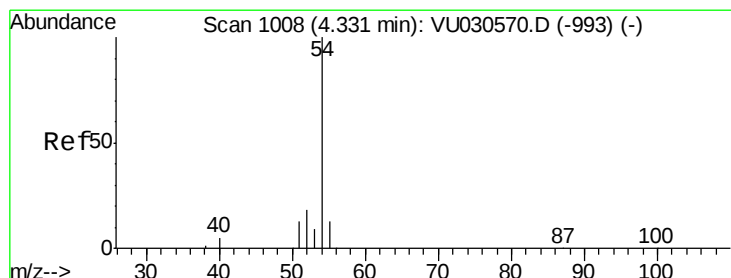
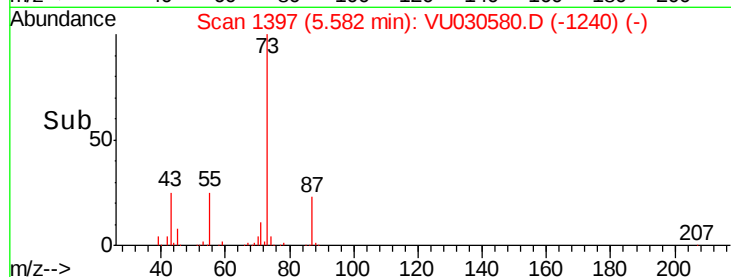
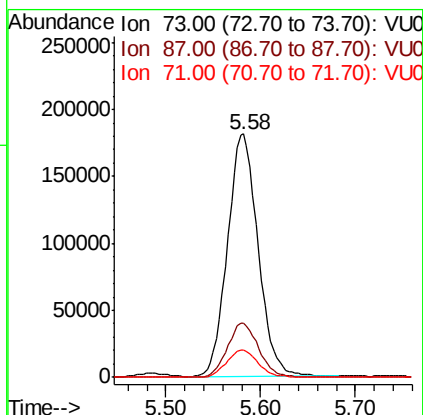
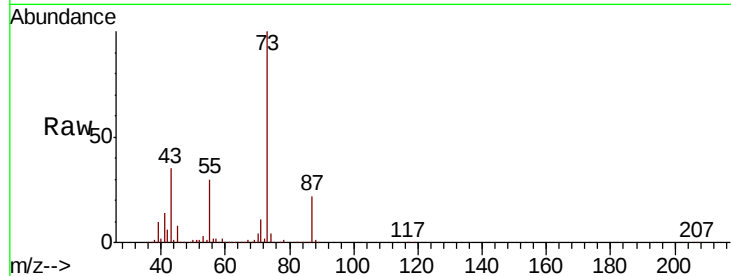




#33
Tert-Butyl methyl ether
Concen: 11.077 ug/l
RT: 5.58 min Scan# 1397
Delta R.T. 0.00 min
Lab File: VU030580.D
Acq: 30 Mar 2019 19:44

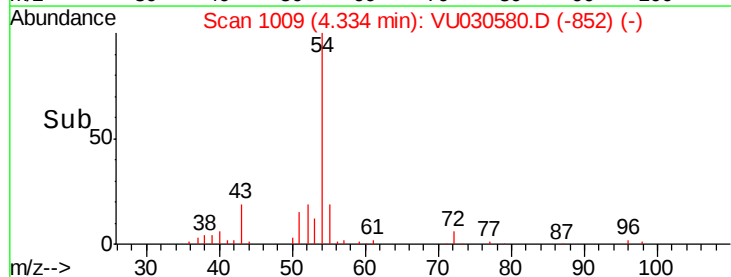
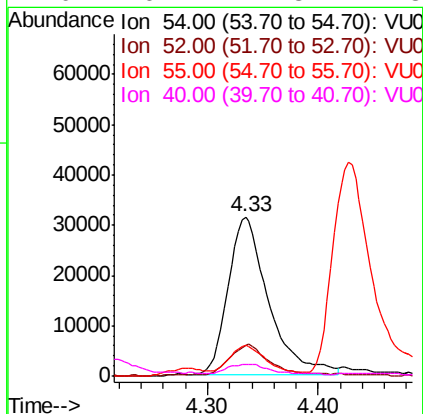
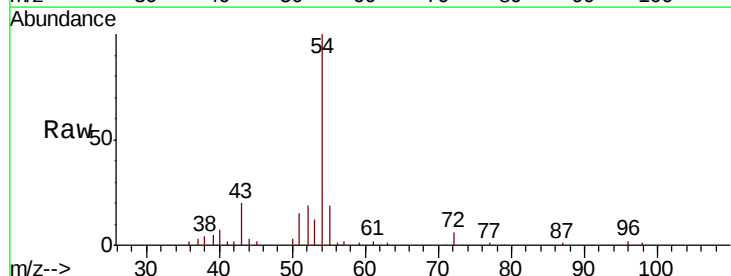
Instrument :
MSVOA_U
ClientSampled :

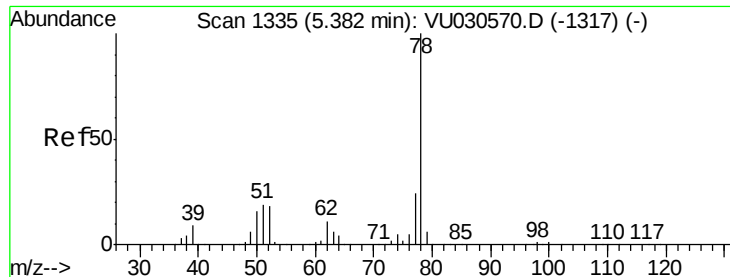
Tot Ion: 73 Resp: 405994
Ion Ratio Lower Upper
73 100
87 22.7 18.6 27.8
71 11.4 9.0 13.4



#34
Propionitrile
Concen: 56.425 ug/l
RT: 4.33 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VU030580.D
Acq: 30 Mar 2019 19:44

Tgt Ion: 54 Resp: 79369
Ion Ratio Lower Upper
54 100
52 17.9 14.1 21.1
55 14.7 10.4 15.6
40 6.2 1.8 2.8#





#35

Benzene

Concen: 10.091 ug/l

RT: 5.38 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VU030580.D

Acq: 30 Mar 2019 19:44

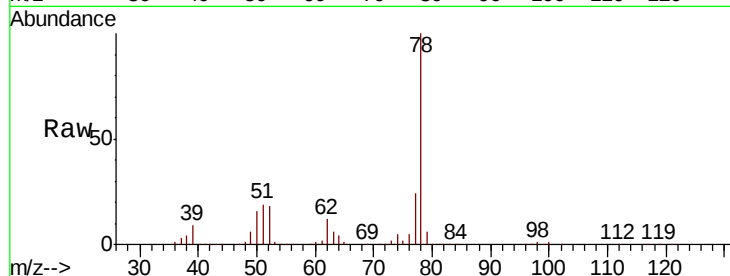
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 78 Resp: 712202

Ion Ratio Lower Upper

78 100

77 23.8 19.5 29.3



Abundance Ion 78.10 (77.80 to 78.80): VU030570.D (-1317) (-)

Ion 77.00 (76.70 to 77.70): VU030580.D (-1179) (-)

5.38

300000

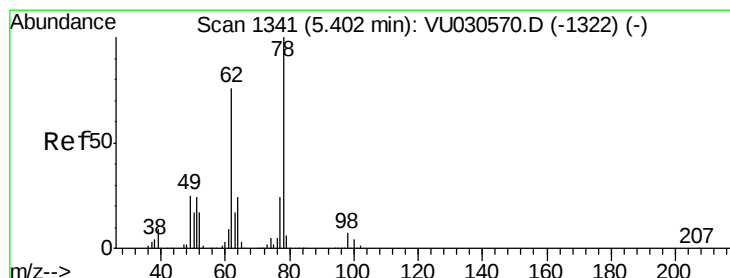
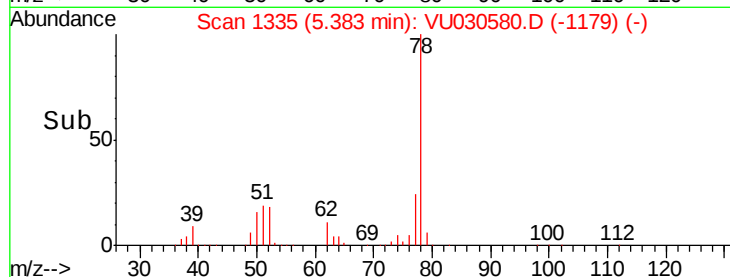
200000

100000

0

5.30 5.40 5.50

Time-->



#36

1,2-Dichloroethane

Concen: 10.125 ug/l

RT: 5.40 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VU030580.D

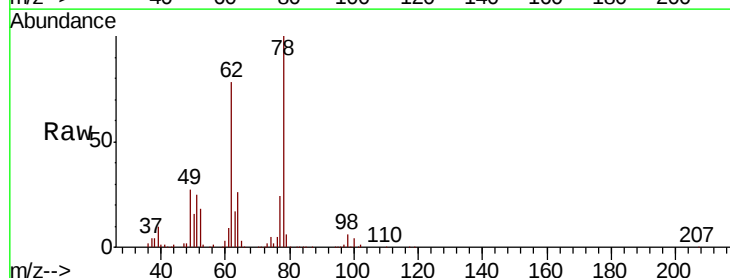
Acq: 30 Mar 2019 19:44

Tgt Ion: 62 Resp: 218275

Ion Ratio Lower Upper

62 100

98 7.9 6.8 10.2



Abundance Ion 62.00 (61.70 to 62.70): VU030570.D (-1322) (-)

Ion 98.00 (97.70 to 98.70): VU030580.D (-1185) (-)

5.40

100000

80000

60000

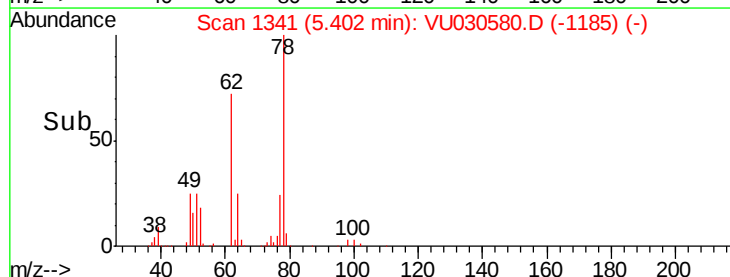
40000

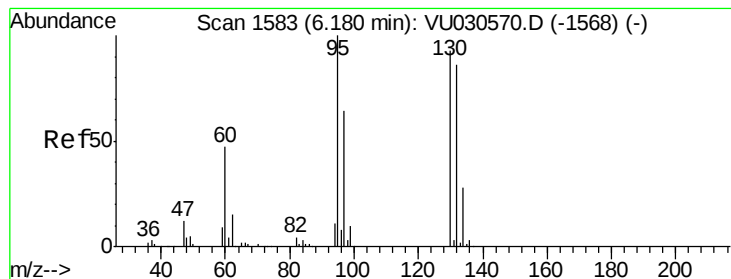
20000

0

5.30 5.40 5.50

Time-->





#37

Trichloroethene

Concen: 9.770 ug/l

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VU030580.D

Acq: 30 Mar 2019 19:44

Instrument :

MSVOA_U

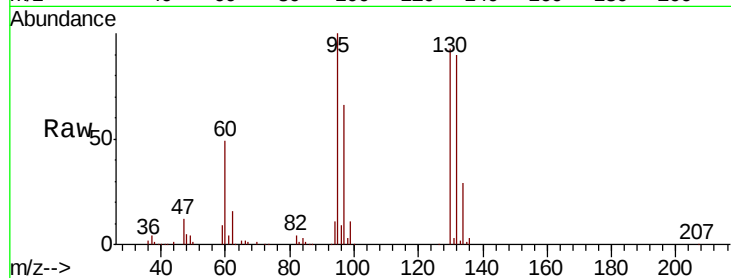
ClientSampleId :

Tot Ion:130 Resp: 165417

Ion Ratio Lower Upper

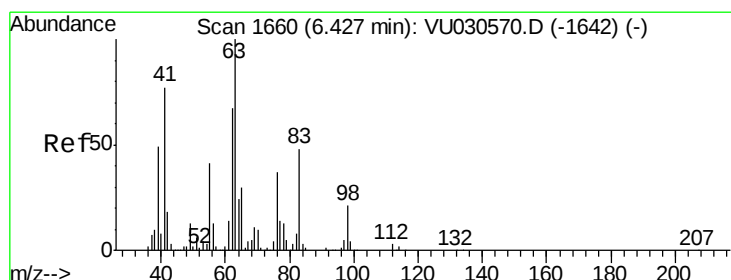
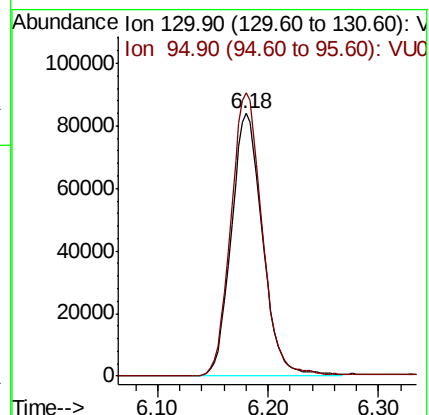
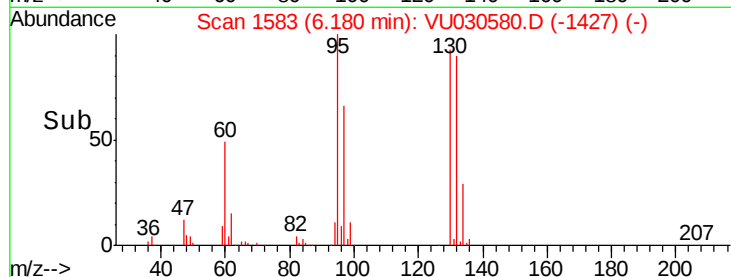
130 100

95 107.8 85.8 128.8



Abundance Ion 129.90 (129.60 to 130.60): VU030570.D (-1568) (-)

Ion 94.90 (94.60 to 95.60): VU030570.D (-1568) (-)



#38

1,2-Dichloropropane

Concen: 10.028 ug/l

RT: 6.43 min Scan# 1660

Delta R.T. 0.00 min

Lab File: VU030580.D

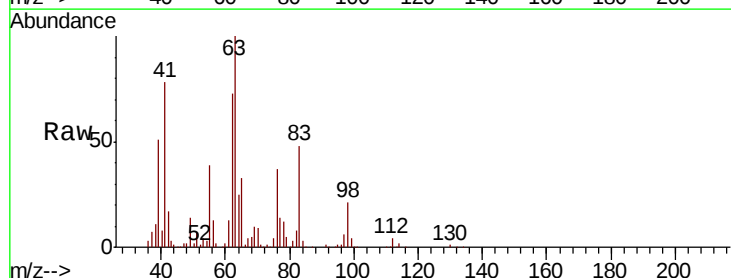
Acq: 30 Mar 2019 19:44

Tgt Ion: 63 Resp: 196038

Ion Ratio Lower Upper

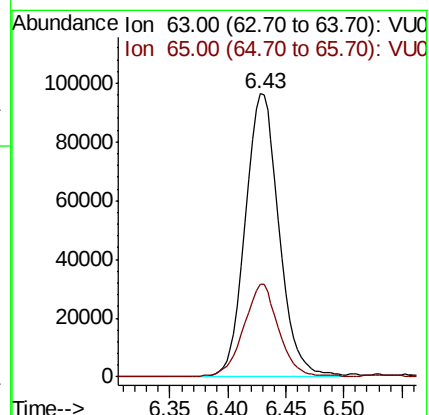
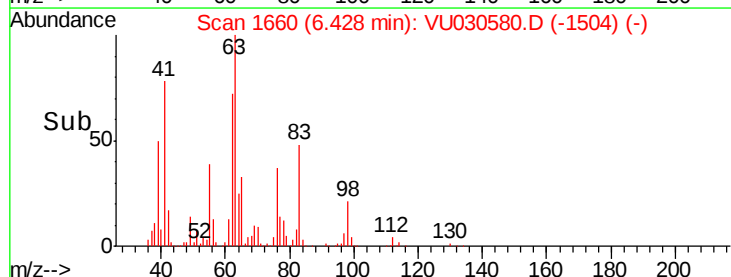
63 100

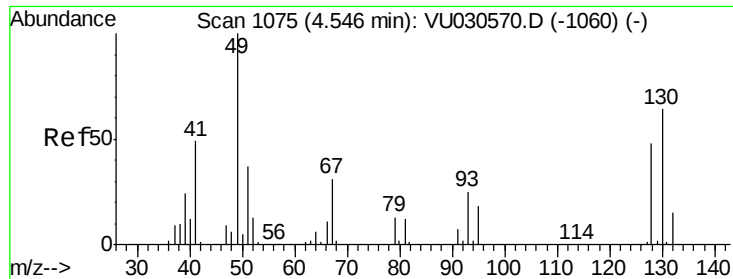
65 32.7 23.9 35.9



Abundance Ion 63.00 (62.70 to 63.70): VU030570.D (-1642) (-)

Ion 65.00 (64.70 to 65.70): VU030570.D (-1642) (-)

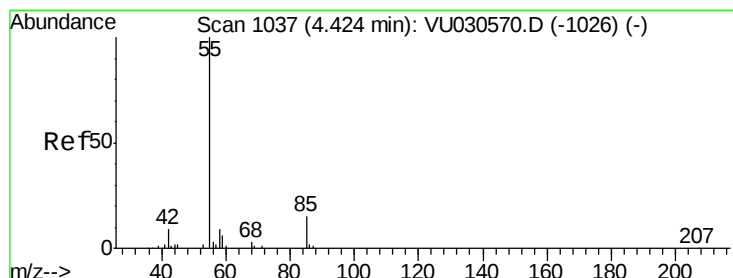
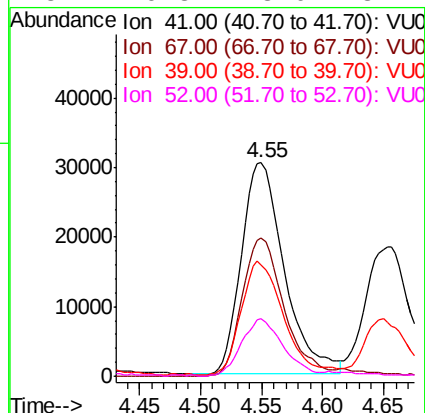
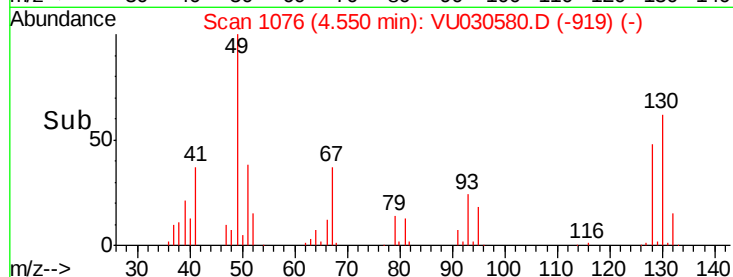
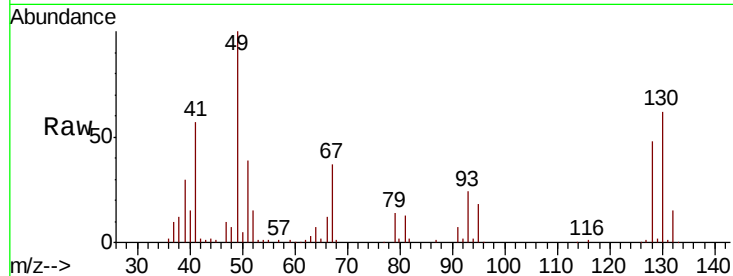




#39
Methacrylonitrile
Concen: 11.661 ug/l
RT: 4.55 min Scan# 1076
Delta R.T. 0.00 min
Lab File: VU030580.D
Acq: 30 Mar 2019 19:44

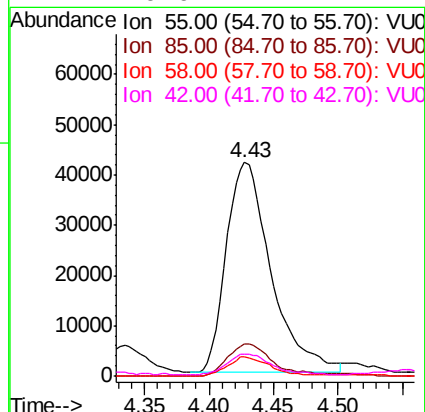
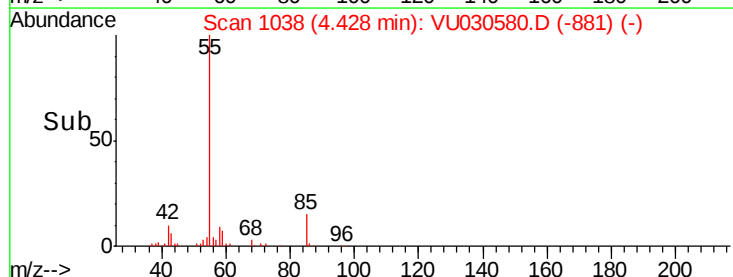
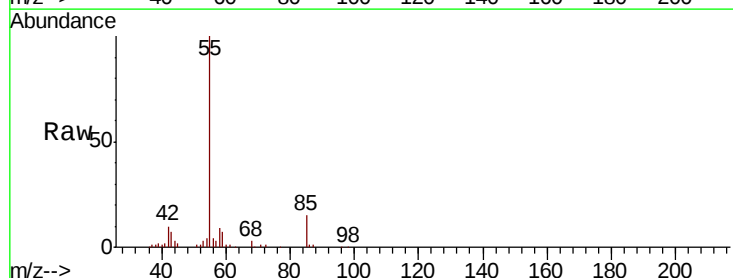
Instrument :
MSVOA_U
ClientSampled :

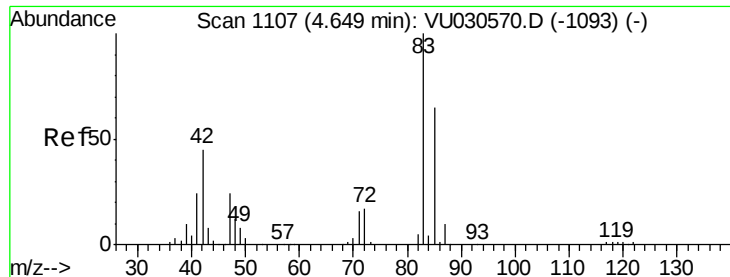
Tot Ion: 41 Resp: 74004
Ion Ratio Lower Upper
41 100
67 63.4 50.2 75.4
39 53.3 40.7 61.1
52 26.3 23.0 34.4



#40
Methyl acrylate
Concen: 11.672 ug/l
RT: 4.43 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VU030580.D
Acq: 30 Mar 2019 19:44

Tgt Ion: 55 Resp: 101291
Ion Ratio Lower Upper
55 100
85 15.0 12.5 18.7
58 8.9 6.3 9.5
42 9.9 7.4 11.2





#41

Tetrahydrofuran

Concen: 21.714 ug/l

RT: 4.65 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VU030580.D

Acq: 30 Mar 2019 19:44

Instrument :
MSVOA_U
ClientSampleId :

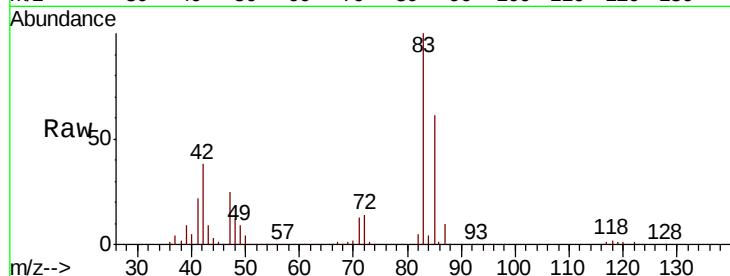
Tot Ion: 42 Resp: 78160

Ion Ratio Lower Upper

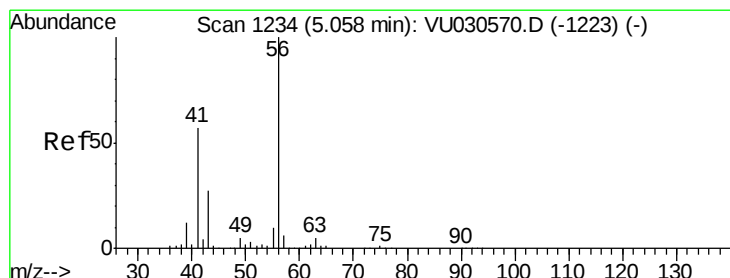
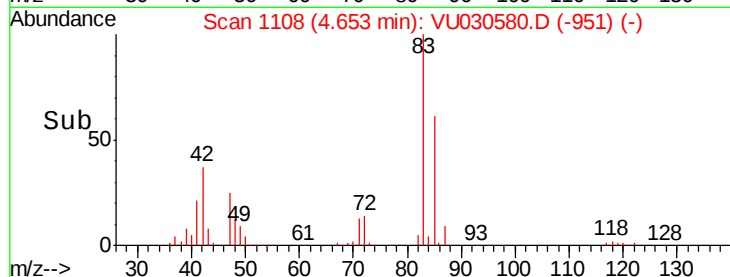
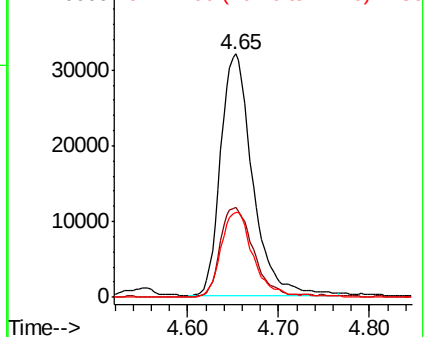
42 100

72 38.3 33.4 50.0

71 35.2 28.8 43.2



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



#42

1-Chlorobutane

Concen: 10.434 ug/l

RT: 5.06 min Scan# 1234

Delta R.T. 0.00 min

Lab File: VU030580.D

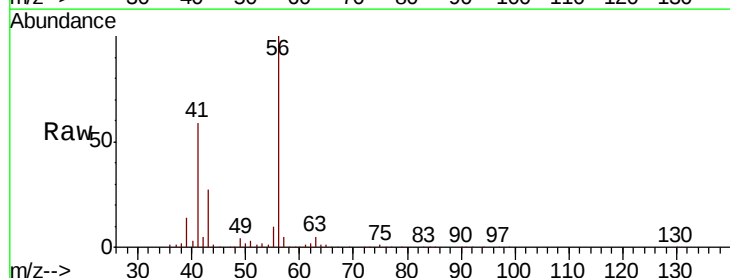
Acq: 30 Mar 2019 19:44

Tgt Ion: 56 Resp: 372763

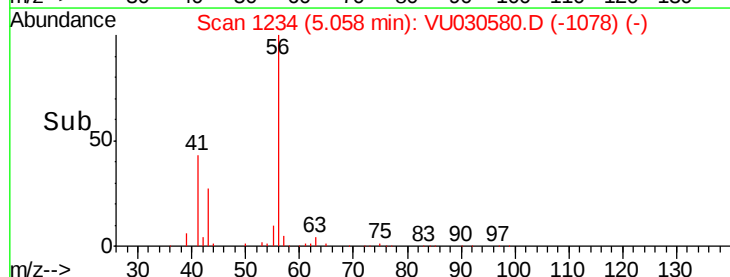
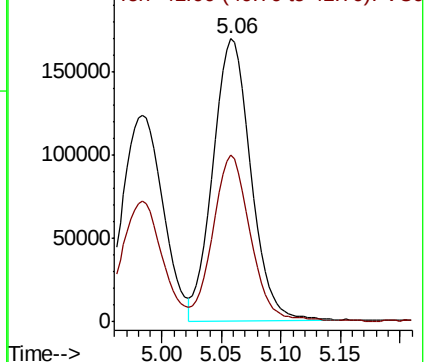
Ion Ratio Lower Upper

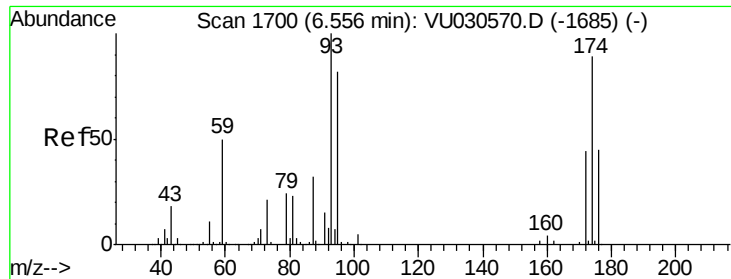
56 100

41 58.2 28.5 85.6



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





#43

Dibromomethane

Concen: 10.430 ug/l

RT: 6.56 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VU030580.D

Acq: 30 Mar 2019 19:44

Instrument :

MSVOA_U

ClientSampleId :

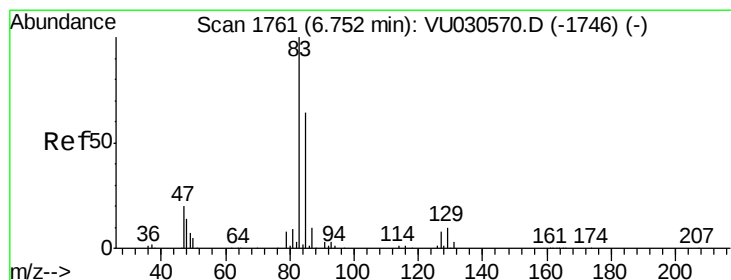
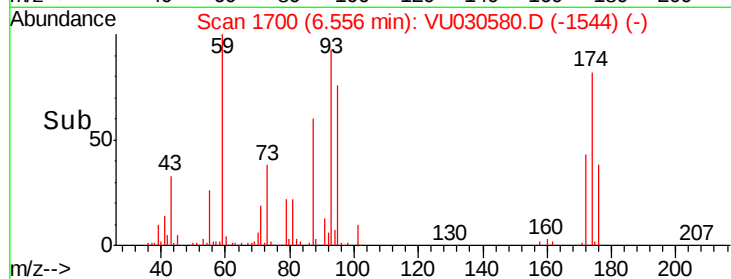
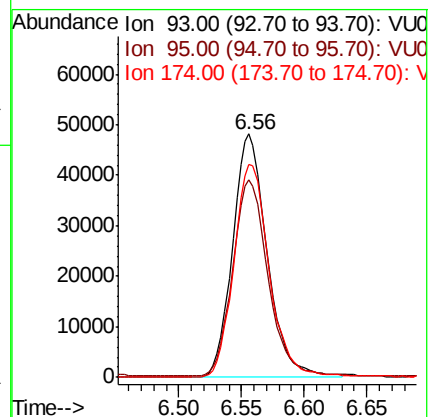
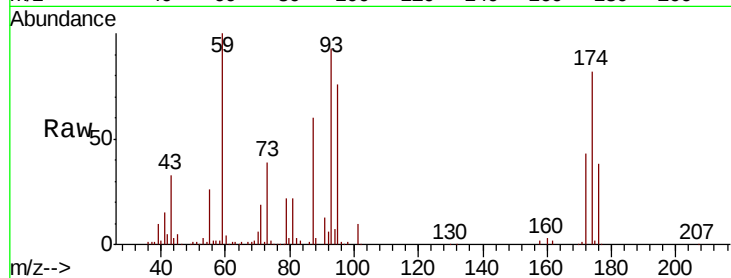
Tot Ion: 93 Resp: 92444

Ion Ratio Lower Upper

93 100

95 82.3 63.9 95.9

174 89.5 71.0 106.4



#44

Bromodichloromethane

Concen: 10.188 ug/l

RT: 6.75 min Scan# 1761

Delta R.T. 0.00 min

Lab File: VU030580.D

Acq: 30 Mar 2019 19:44

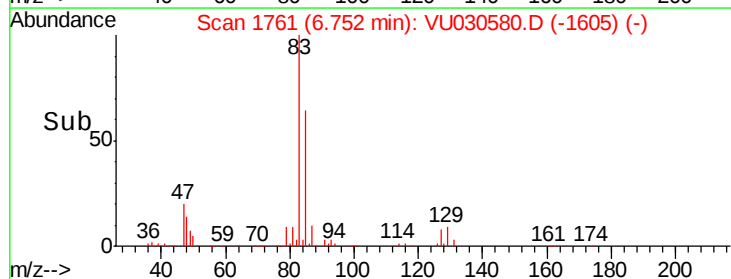
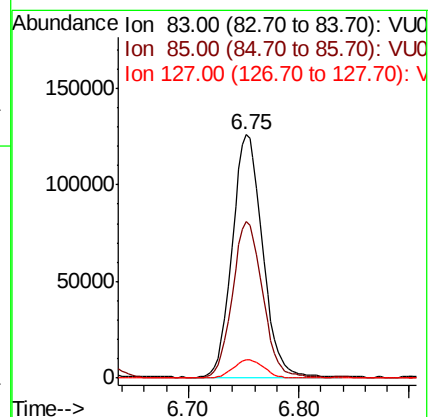
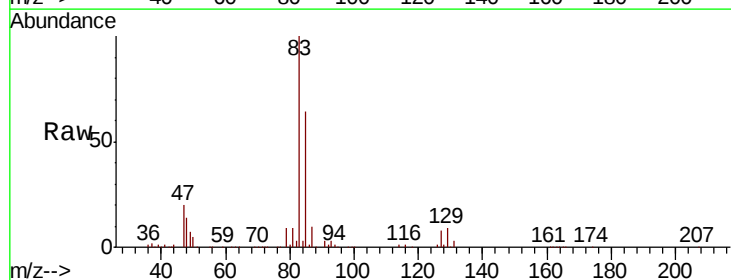
Tgt Ion: 83 Resp: 238977

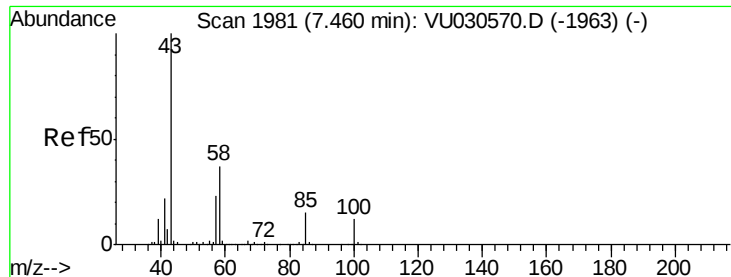
Ion Ratio Lower Upper

83 100

85 64.2 51.1 76.7

127 7.7 6.1 9.1

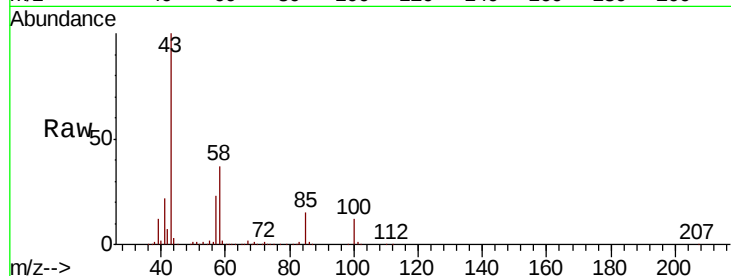




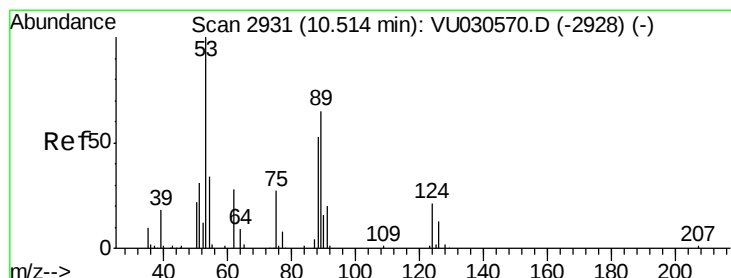
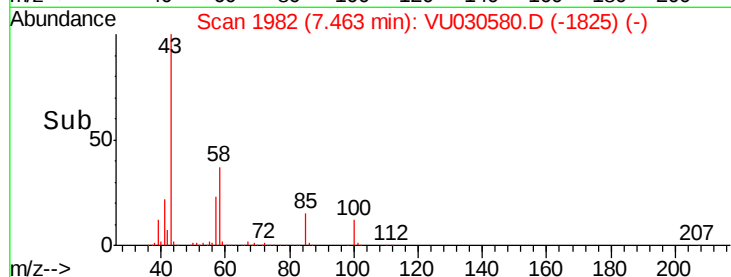
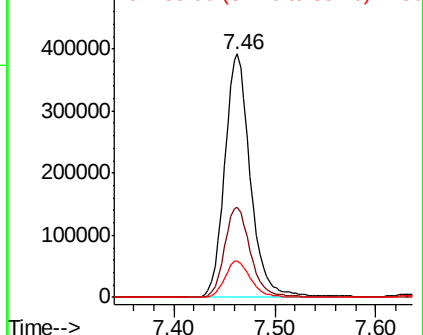
#45
4-Methyl-2-Pentanone
Concen: 57.154 ug/l
RT: 7.46 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VU030580.D
Acq: 30 Mar 2019 19:44

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 696622
Ion Ratio Lower Upper
43 100
58 37.4 18.6 55.8
85 15.1 11.8 17.6

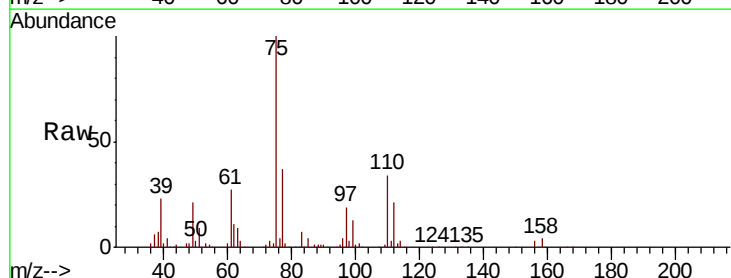


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 85.00 (84.70 to 85.70): VU0

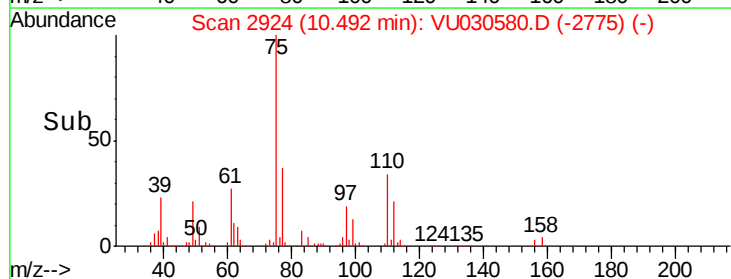
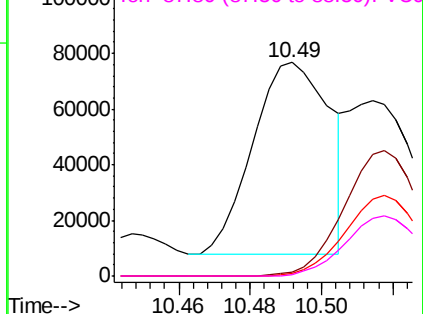


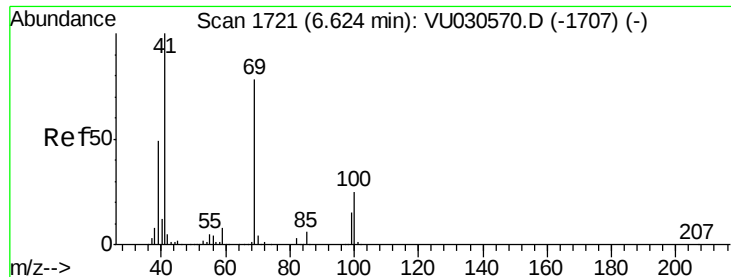
#46
t-1,4-Dichloro-2-butene
Concen: 26.286 ug/l
RT: 10.49 min Scan# 2924
Delta R.T. -0.02 min
Lab File: VU030580.D
Acq: 30 Mar 2019 19:44

Tgt Ion: 75 Resp: 102819
Ion Ratio Lower Upper
75 100
53 68.7 63.4 95.2
89 43.1 39.1 58.7
88 32.7 30.4 45.6



Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 53.00 (52.70 to 53.70): VU0
Ion 88.80 (88.50 to 89.50): VU0
Ion 87.80 (87.50 to 88.50): VU0

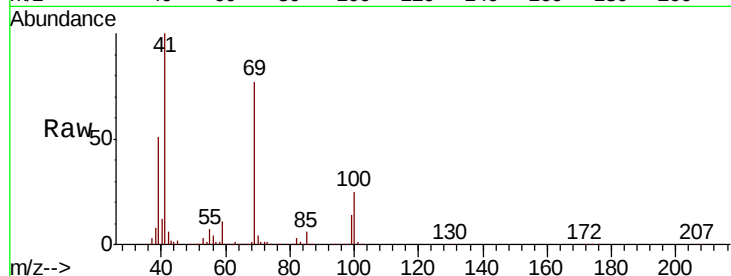




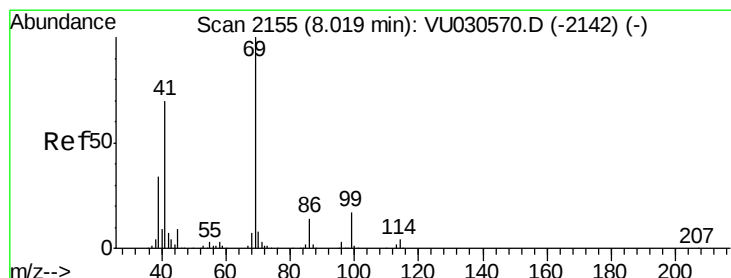
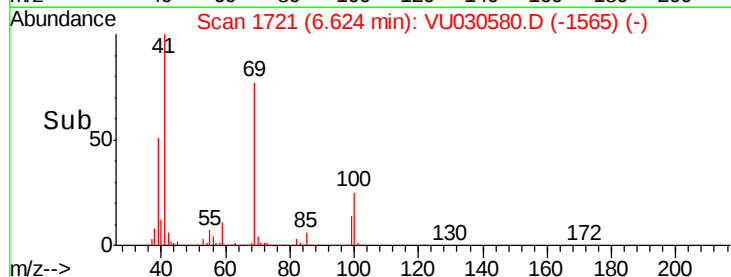
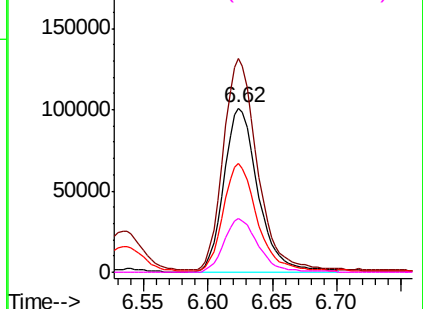
#47
Methvl methacrylate
Concen: 24.530 ug/l
RT: 6.62 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VU030580.D
Acq: 30 Mar 2019 19:44

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 69 Resp: 184407
Ion Ratio Lower Upper
69 100
41 128.8 0.0 258.0
39 65.1 51.0 76.4
100 33.3 25.9 38.9

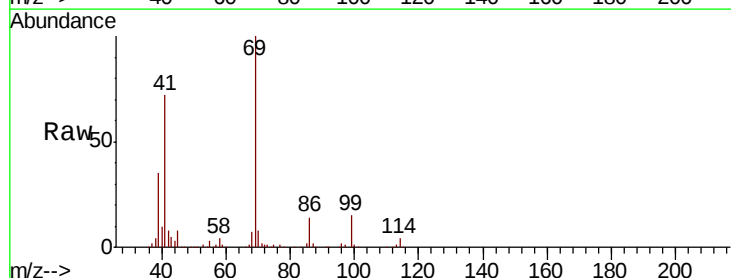


Abundance Ion 69.00 (68.70 to 69.70): VU0
Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

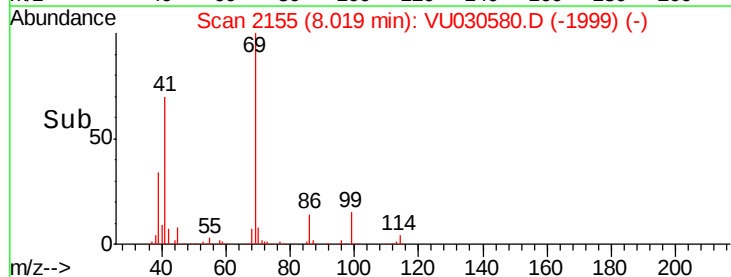
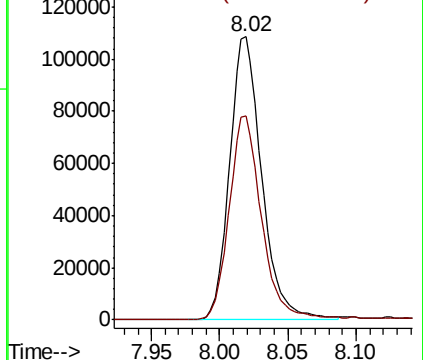


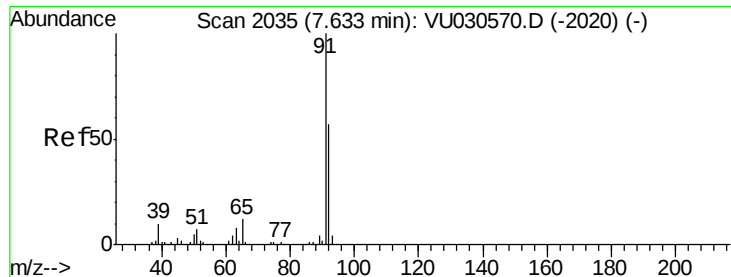
#48
Ethyl methacrylate
Concen: 12.063 ug/l
RT: 8.02 min Scan# 2155
Delta R.T. 0.00 min
Lab File: VU030580.D
Acq: 30 Mar 2019 19:44

Tgt Ion: 69 Resp: 177802
Ion Ratio Lower Upper
69 100
41 72.7 36.1 108.5



Abundance Ion 69.00 (68.70 to 69.70): VU0
Ion 41.00 (40.70 to 41.70): VU0





#49

Toluene

Concen: 10.857 ug/l

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU030580.D

Acq: 30 Mar 2019 19:44

Instrument :

MSVOA_U

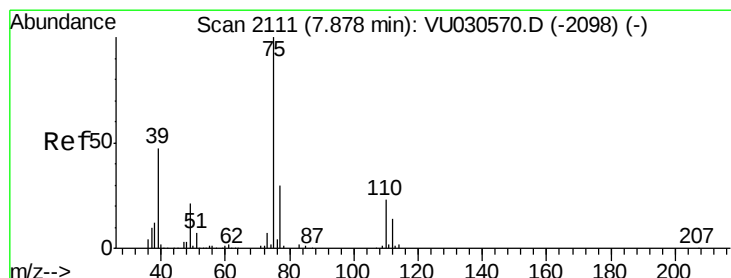
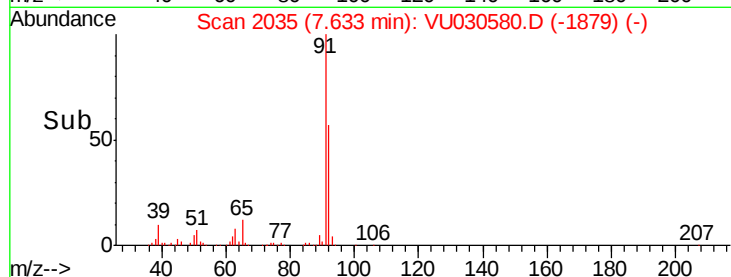
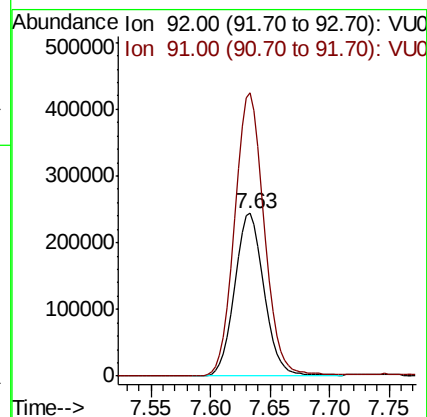
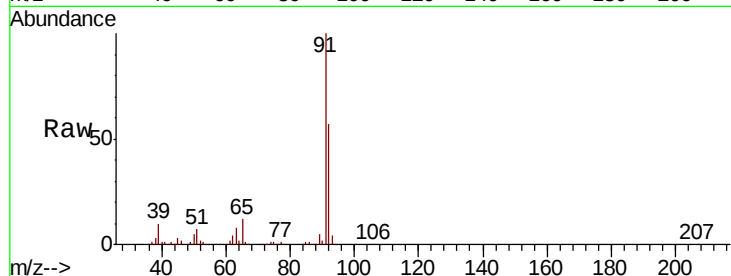
ClientSampleId :

Tot Ion: 92 Resp: 419893

Ion Ratio Lower Upper

92 100

91 174.4 140.2 210.4



#50

t-1,3-Dichloropropene

Concen: 10.874 ug/l

RT: 7.88 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VU030580.D

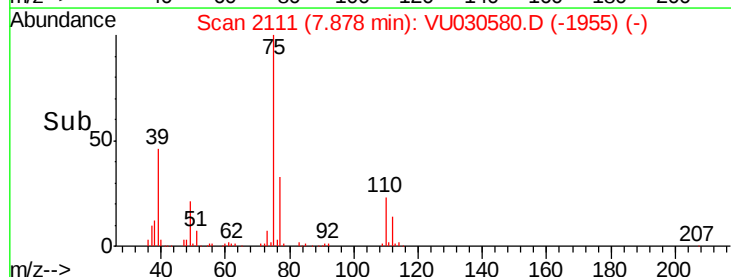
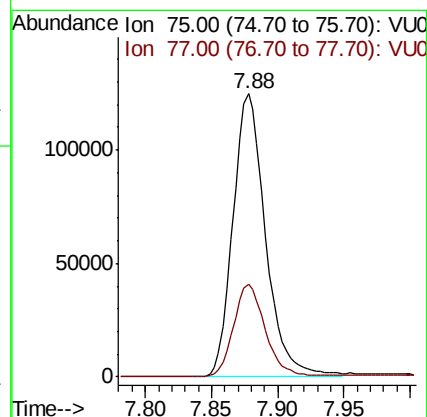
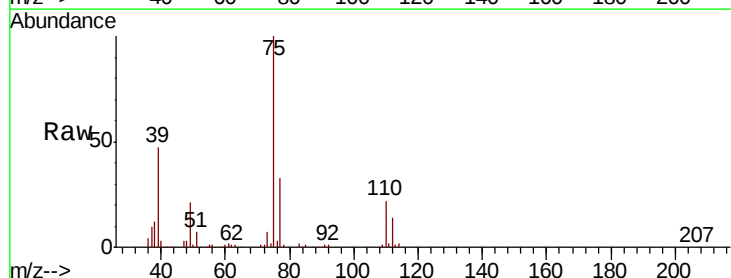
Acq: 30 Mar 2019 19:44

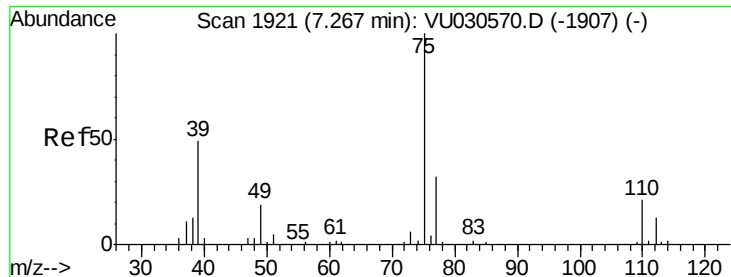
Tgt Ion: 75 Resp: 213745

Ion Ratio Lower Upper

75 100

77 32.6 24.4 36.6



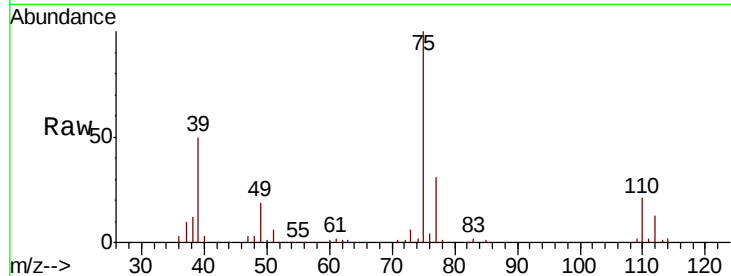


#51

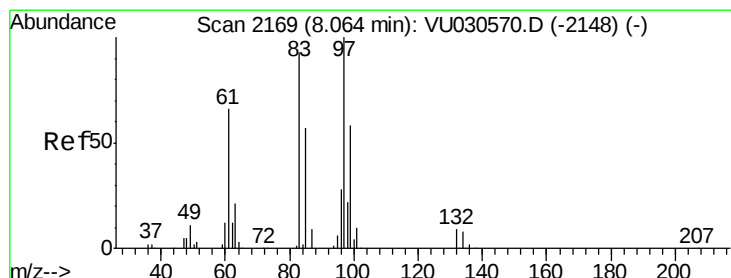
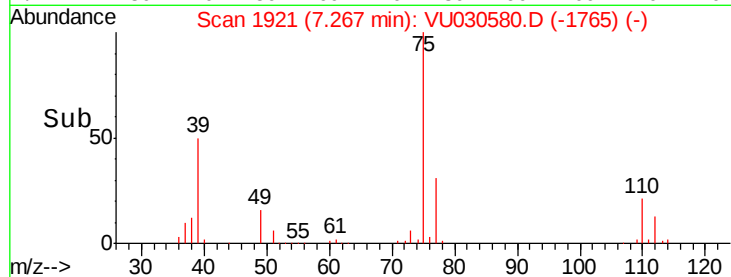
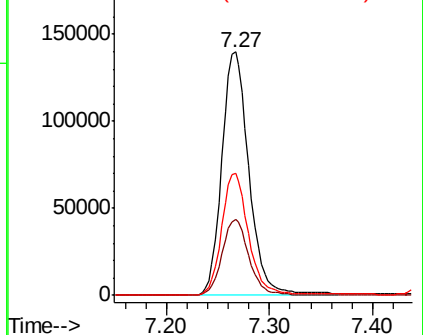
cis-1,3-Dichloropropene
Concen: 10.529 ug/l
RT: 7.27 min Scan# 1921
Delta R.T. 0.00 min
Lab File: VU030580.D
Acq: 30 Mar 2019 19:44

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.8	38.6
39	49.9	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

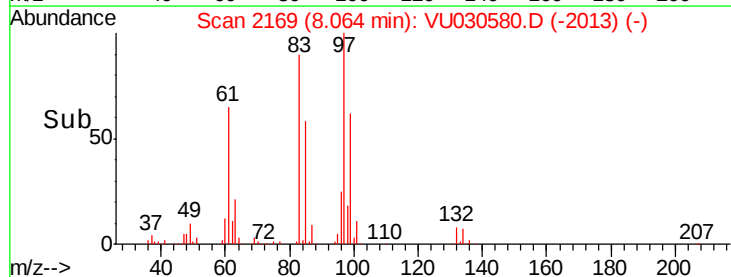
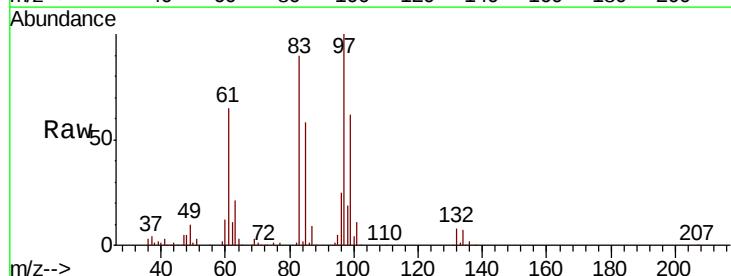
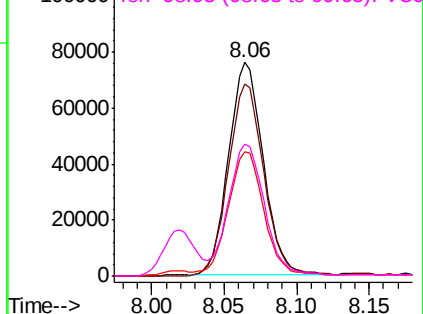


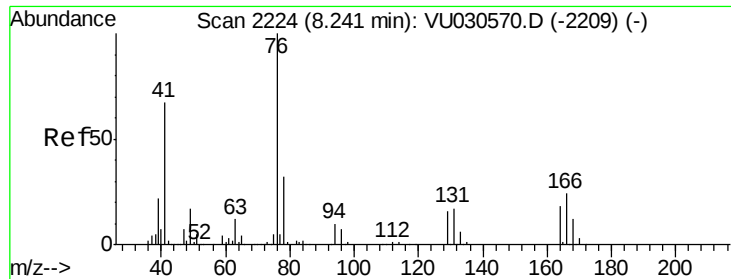
#52

1,1,2-Trichloroethane
Concen: 10.506 ug/l
RT: 8.06 min Scan# 2169
Delta R.T. 0.00 min
Lab File: VU030580.D
Acq: 30 Mar 2019 19:44

Tgt Ion	Ratio	Lower	Upper
97	100		
83	90.1	74.3	111.5
85	58.0	45.4	68.0
99	61.5	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

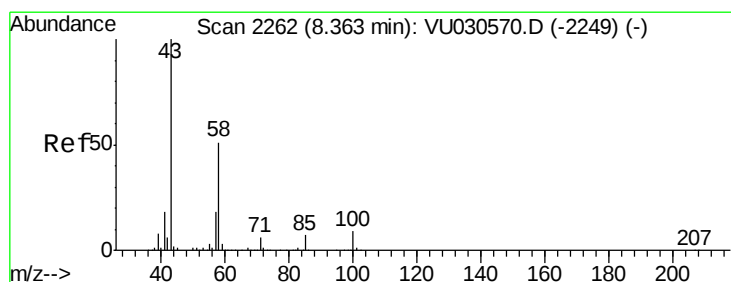
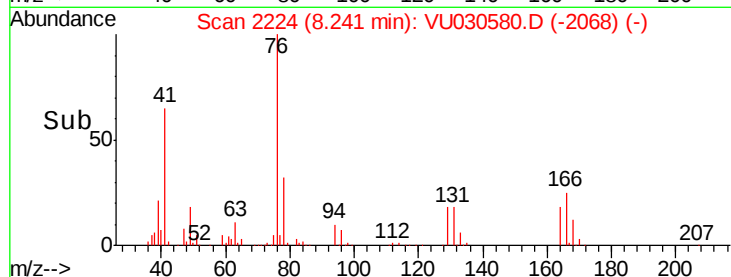
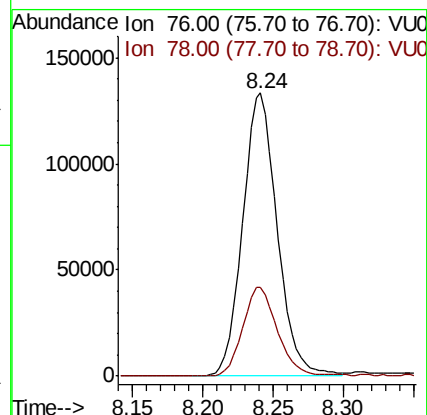
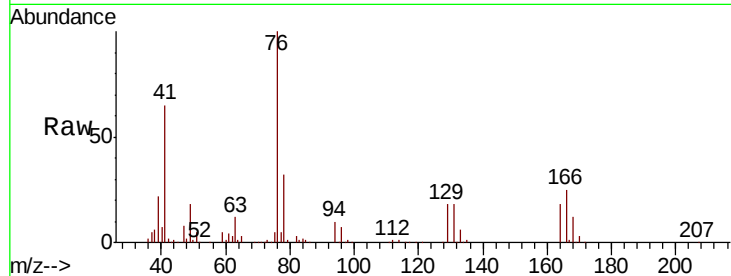




#53
 1,3-Dichloropropane
 Concen: 10.371 ug/l
 RT: 8.24 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VU030580.D
 Acq: 30 Mar 2019 19:44

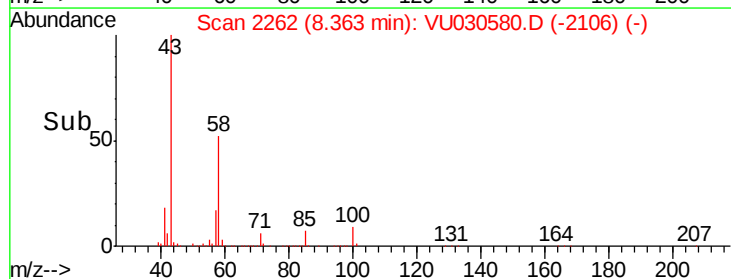
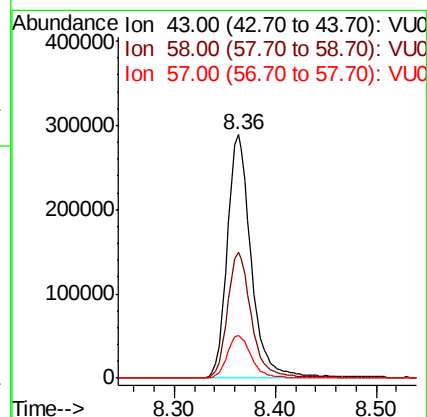
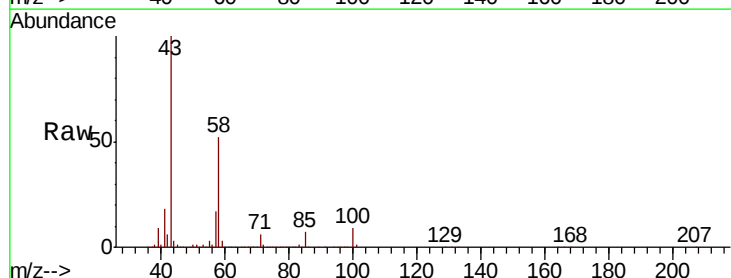
Instrument :
 MSVOA_U
 ClientSampled :

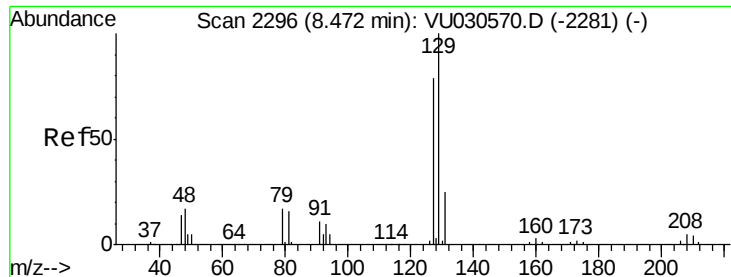
Tot Ion: 76 Resp: 229118
 Ion Ratio Lower Upper
 76 100
 78 31.7 25.3 37.9



#54
 2-Hexanone
 Concen: 58.324 ug/l
 RT: 8.36 min Scan# 2262
 Delta R.T. 0.00 min
 Lab File: VU030580.D
 Acq: 30 Mar 2019 19:44

Tgt Ion: 43 Resp: 480091
 Ion Ratio Lower Upper
 43 100
 58 52.1 32.5 72.5
 57 17.6 0.0 37.6

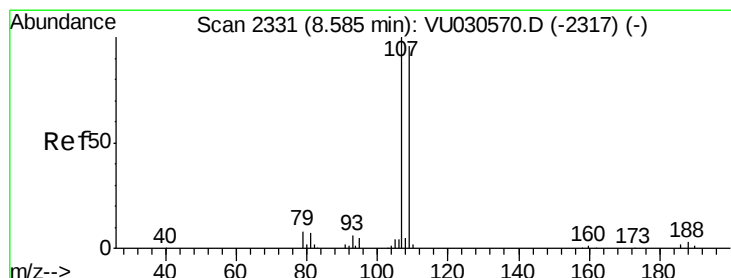
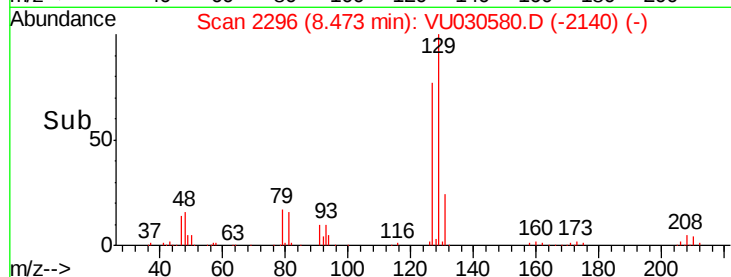
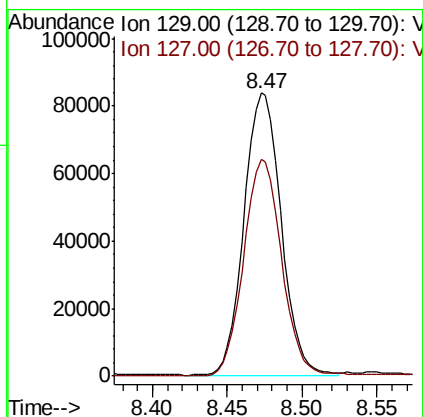
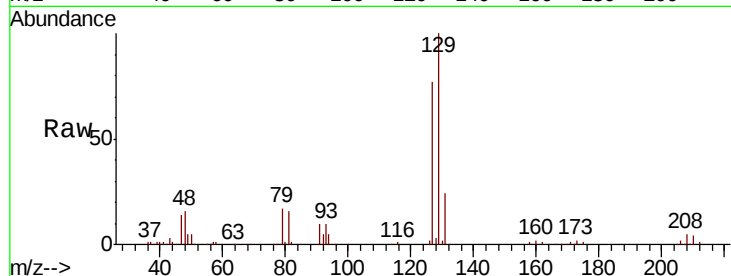




#55
Dibromochloromethane
Concen: 10.317 ug/l
RT: 8.47 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU030580.D
Acq: 30 Mar 2019 19:44

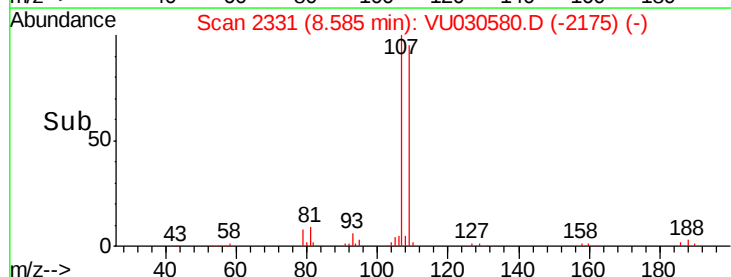
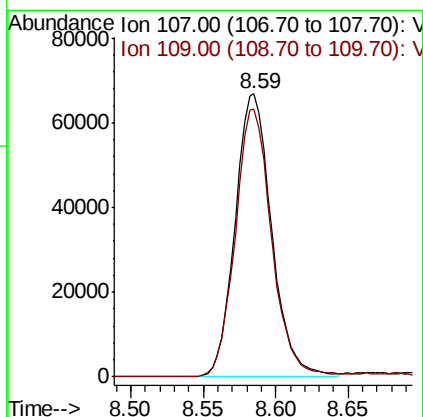
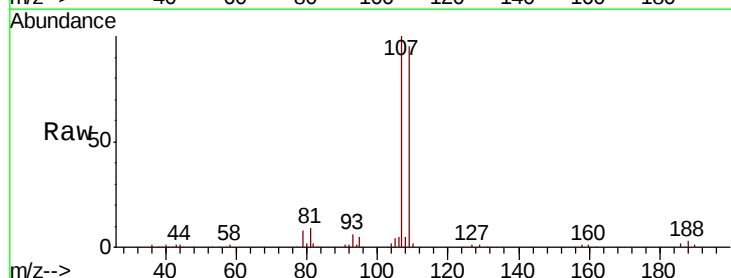
Instrument :
MSVOA_U
ClientSampleId :

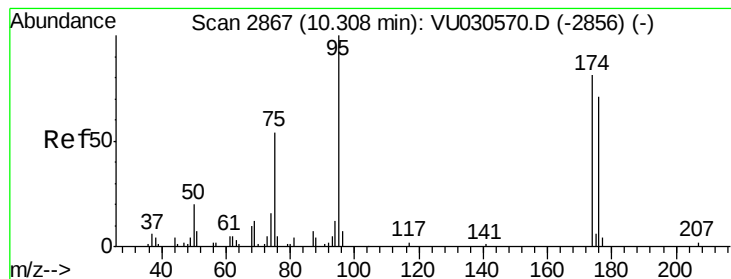
Tot Ion:129 Resp: 144481
Ion Ratio Lower Upper
129 100
127 78.7 62.2 93.4



#56
1,2-Dibromoethane
Concen: 10.425 ug/l
RT: 8.59 min Scan# 2331
Delta R.T. 0.00 min
Lab File: VU030580.D
Acq: 30 Mar 2019 19:44

Tgt Ion:107 Resp: 116830
Ion Ratio Lower Upper
107 100
109 94.4 0.0 190.0





#57

4-Bromofluorobenzene

Concen: 10.425 ug/l

RT: 10.31 min Scan# 2867

Delta R.T. 0.00 min

Lab File: VU030580.D

Acq: 30 Mar 2019 19:44

Instrument :

MSVOA_U

ClientSampleId :

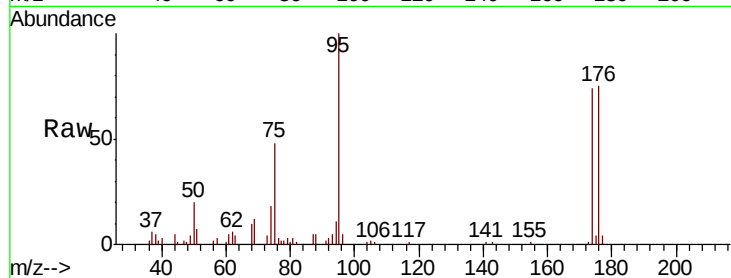
Tot Ion: 95 Resp: 22516

Ion Ratio Lower Upper

95 100

174 75.2 60.5 90.7

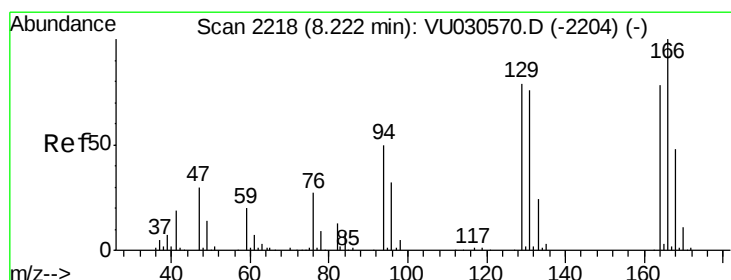
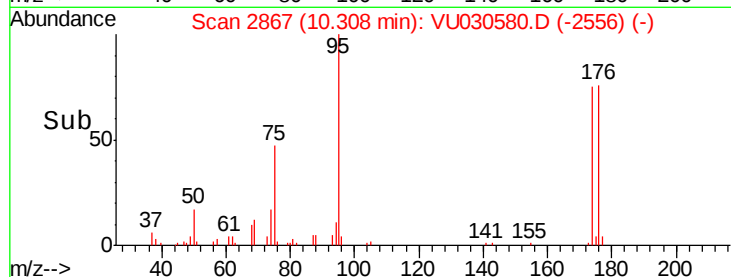
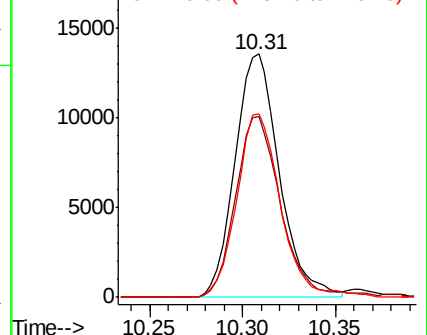
176 74.4 57.9 86.9



Abundance Ion 95.00 (94.70 to 95.70): VU030580.D (-2556) (-)

Ion 174.00 (173.70 to 174.70): VU030580.D (-2556) (-)

Ion 176.00 (175.70 to 176.70): VU030580.D (-2556) (-)



#58

Tetrachloroethene

Concen: 10.573 ug/l

RT: 8.22 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VU030580.D

Acq: 30 Mar 2019 19:44

Tgt Ion: 164 Resp: 160107

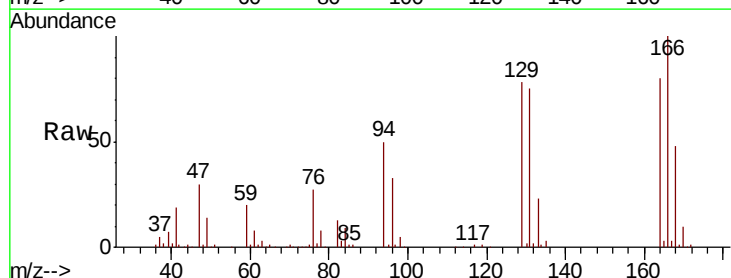
Ion Ratio Lower Upper

164 100

166 124.9 102.4 153.6

129 97.5 81.4 122.0

131 93.9 77.7 116.5

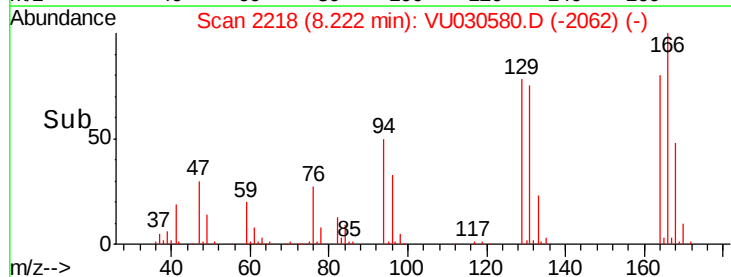
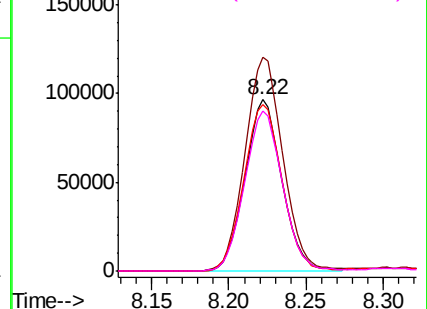


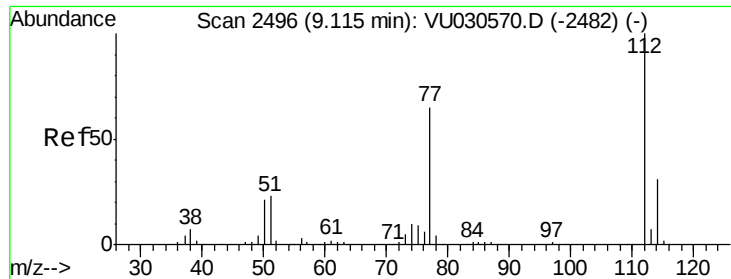
Abundance Ion 163.85 (163.55 to 164.55): VU030580.D (-2062) (-)

Ion 165.80 (165.50 to 166.50): VU030580.D (-2062) (-)

Ion 128.90 (128.60 to 129.60): VU030580.D (-2062) (-)

Ion 130.90 (130.60 to 131.60): VU030580.D (-2062) (-)





#59

Chlorobenzene

Concen: 10.385 ug/l

RT: 9.12 min Scan# 2496

Delta R.T. 0.00 min

Lab File: VU030580.D

Acq: 30 Mar 2019 19:44

Instrument :

MSVOA_U

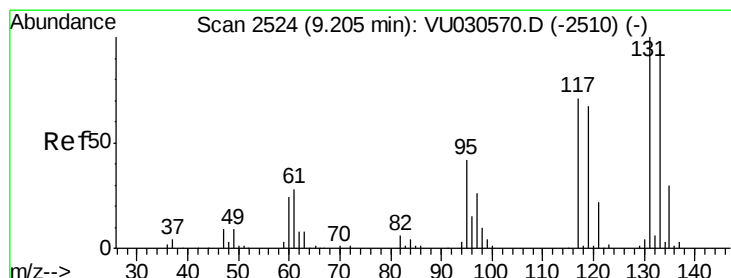
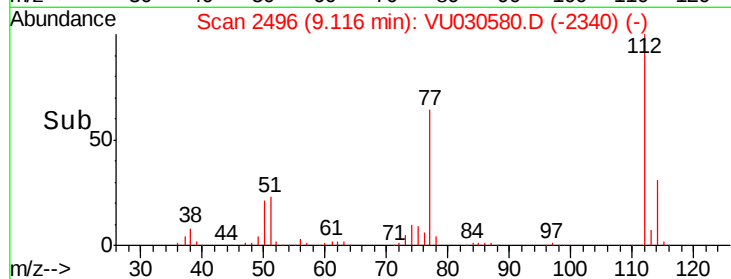
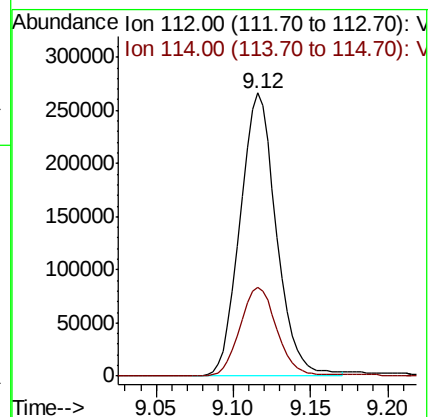
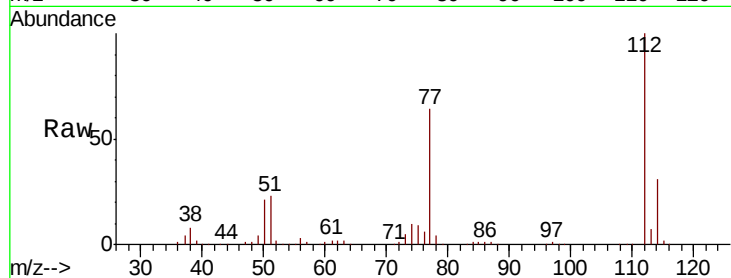
ClientSampleId :

Tot Ion:112 Resp: 433966

Ion Ratio Lower Upper

112 100

114 31.4 24.9 37.3



#60

1,1,1,2-Tetrachloroethane

Concen: 9.937 ug/l

RT: 9.21 min Scan# 2524

Delta R.T. 0.00 min

Lab File: VU030580.D

Acq: 30 Mar 2019 19:44

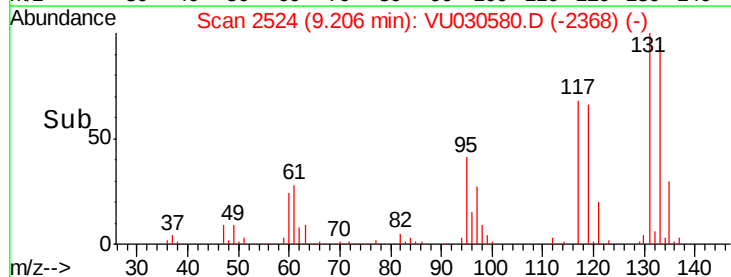
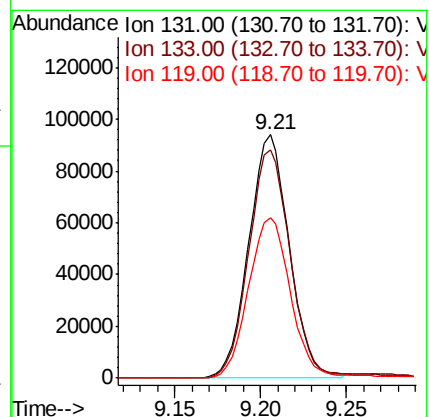
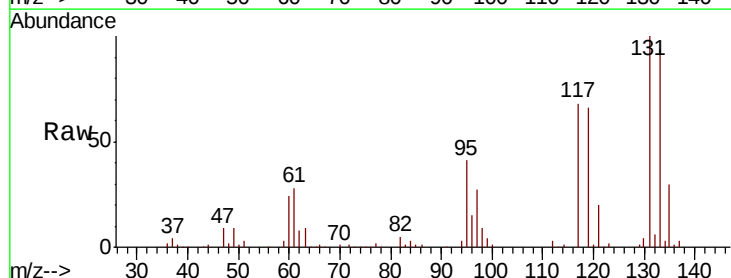
Tgt Ion:131 Resp: 153884

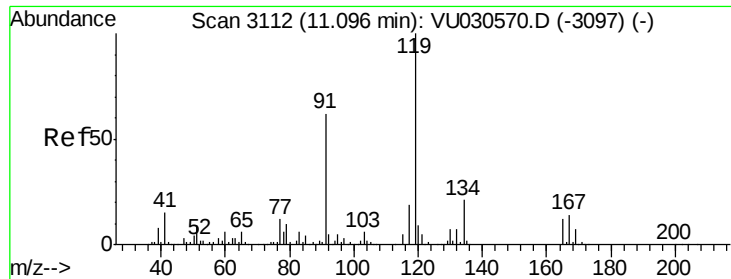
Ion Ratio Lower Upper

131 100

133 96.2 77.5 116.3

119 68.0 53.2 79.8

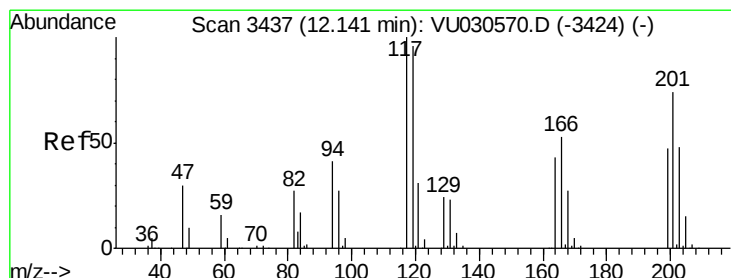
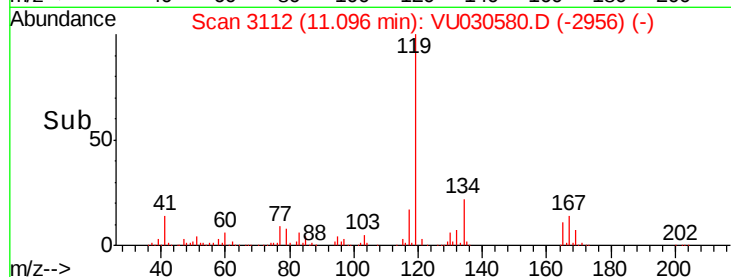
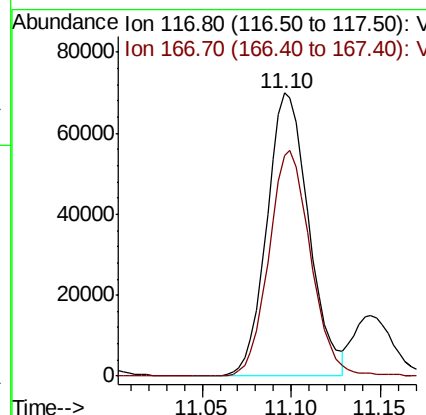
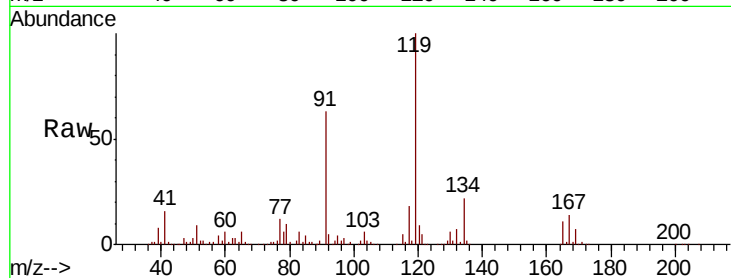




#61
 Pentachloroethane
 Concen: 9.625 ug/l
 RT: 11.10 min Scan# 3112
 Delta R.T. 0.00 min
 Lab File: VU030580.D
 Acq: 30 Mar 2019 19:44

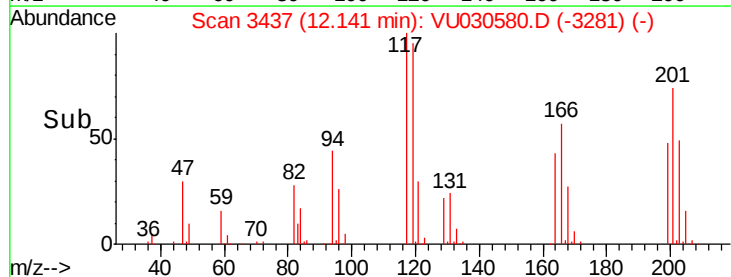
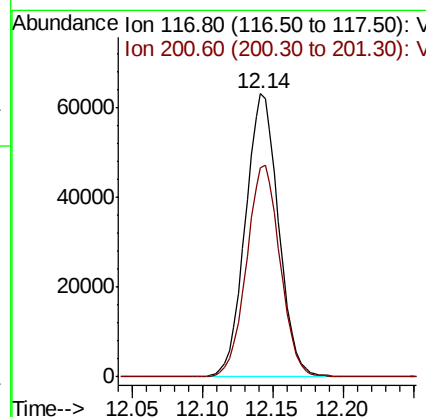
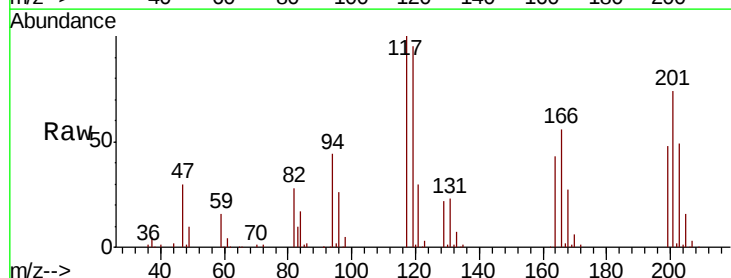
Instrument :
 MSVOA_U
 ClientSampleId :

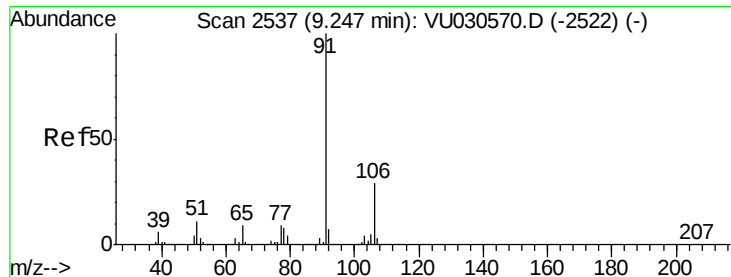
Tot Ion:117 Resp: 114962
 Ion Ratio Lower Upper
 117 100
 167 79.7 62.6 93.8



#62
 Hexachloroethane
 Concen: 10.008 ug/l
 RT: 12.14 min Scan# 3437
 Delta R.T. 0.00 min
 Lab File: VU030580.D
 Acq: 30 Mar 2019 19:44

Tgt Ion:117 Resp: 104030
 Ion Ratio Lower Upper
 117 100
 201 75.6 59.1 88.7





#63

Ethyl Benzene

Concen: 10.771 ug/l

RT: 9.25 min Scan# 2537

Delta R.T. 0.00 min

Lab File: VU030580.D

Acq: 30 Mar 2019 19:44

Instrument :

MSVOA_U

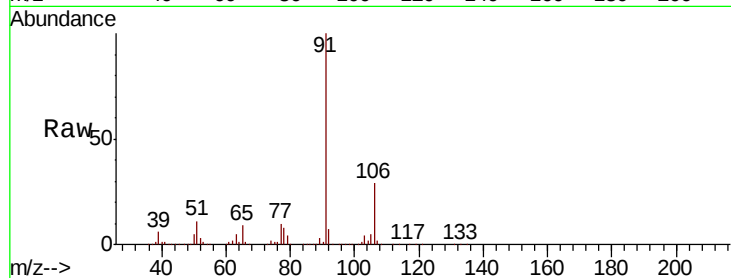
ClientSampleId :

Tot Ion: 91 Resp: 799083

Ion Ratio Lower Upper

91 100

106 29.3 23.1 34.7



Abundance Ion 91.00 (90.70 to 91.70): VU030570.D (-2522) (-)

Ion 106.00 (105.70 to 106.70): VU030570.D (-2522) (-)

9.25

500000

400000

300000

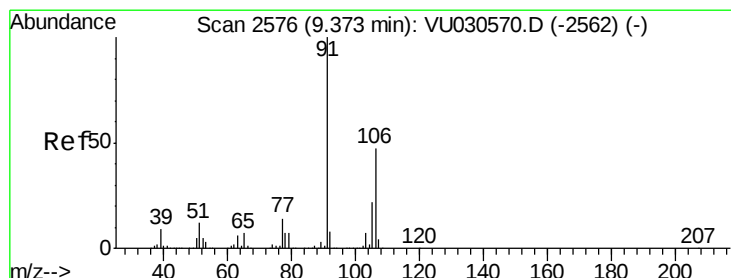
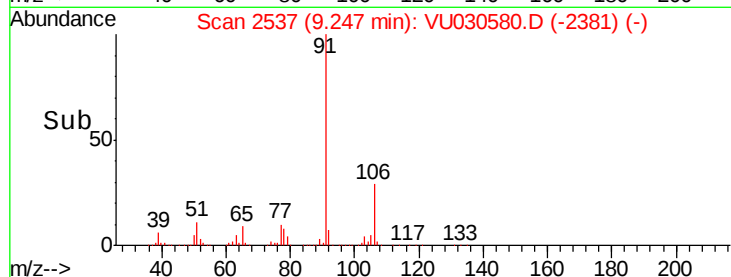
200000

100000

0

9.20 9.25 9.30

Time-->



#64

m/p-Xylenes

Concen: 21.952 ug/l

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU030580.D

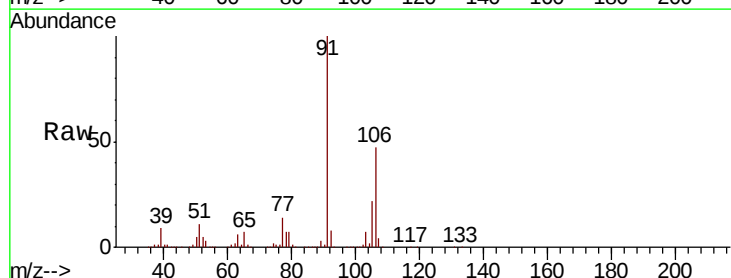
Acq: 30 Mar 2019 19:44

Tgt Ion:106 Resp: 595700

Ion Ratio Lower Upper

106 100

91 218.4 179.4 269.0



Abundance Ion 106.00 (105.70 to 106.70): VU030570.D (-2562) (-)

Ion 91.00 (90.70 to 91.70): VU030570.D (-2562) (-)

9.37

800000

600000

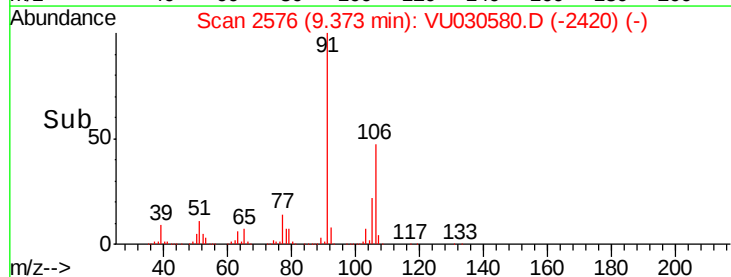
400000

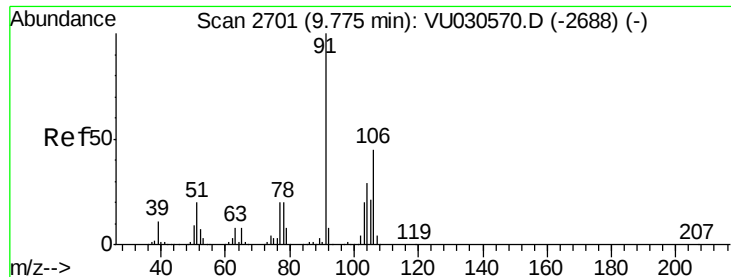
200000

0

9.30 9.40 9.50

Time-->

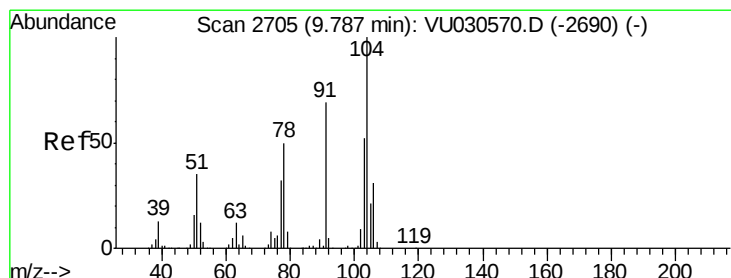
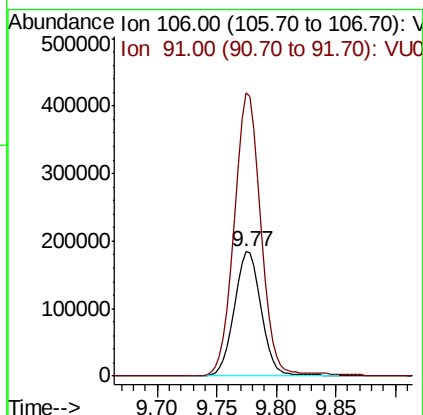
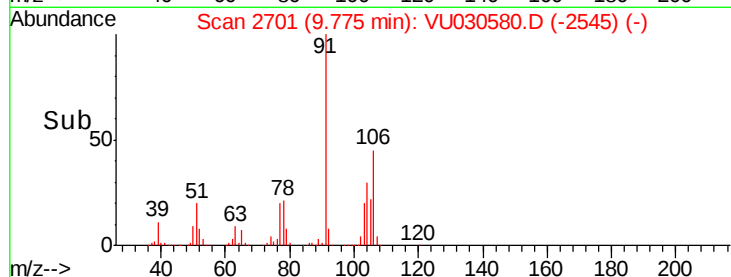
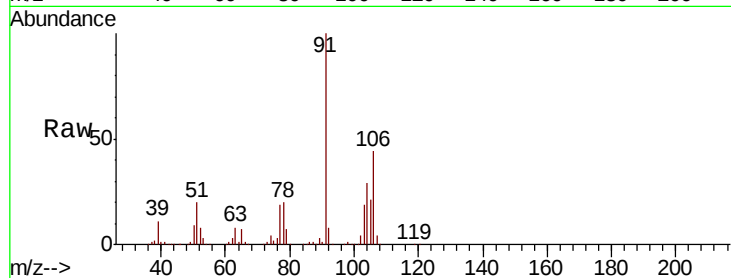




#65
o-Xylene
Concen: 11.169 ug/l
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU030580.D
Acq: 30 Mar 2019 19:44

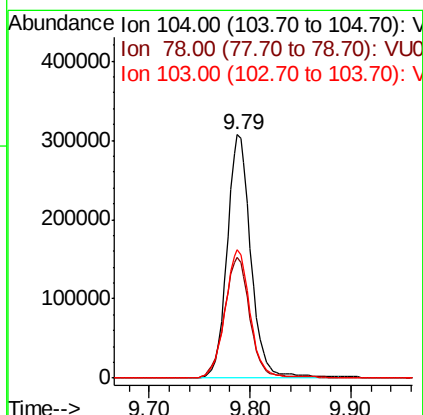
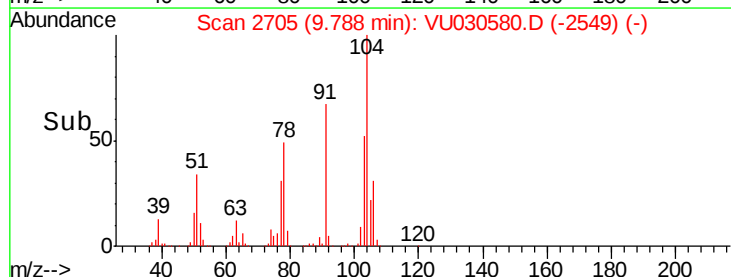
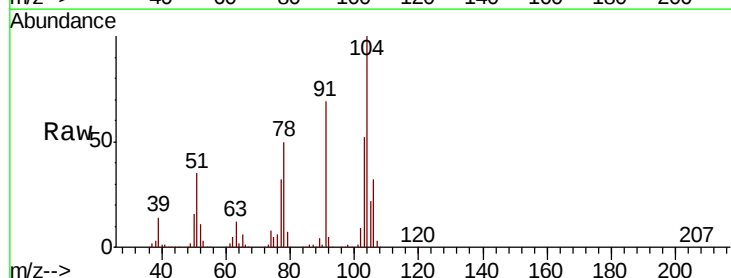
Instrument :
MSVOA_U
ClientSampled :

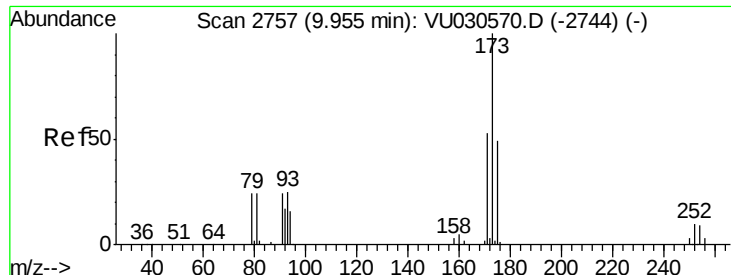
Tot Ion:106 Resp: 291383
Ion Ratio Lower Upper
106 100
91 227.0 115.5 346.4



#66
Styrene
Concen: 11.494 ug/l
RT: 9.79 min Scan# 2705
Delta R.T. 0.00 min
Lab File: VU030580.D
Acq: 30 Mar 2019 19:44

Tgt Ion:104 Resp: 505406
Ion Ratio Lower Upper
104 100
78 53.7 42.3 63.5
103 55.7 44.7 67.1





#67

Bromoform

Concen: 10.751 ug/l

RT: 9.95 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VU030580.D

Acq: 30 Mar 2019 19:44

Instrument :
MSVOA_U
ClientSampleId :

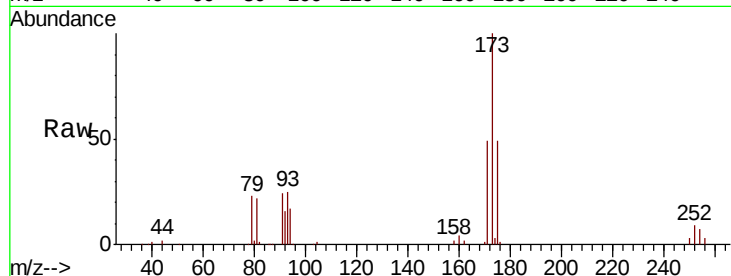
Tot Ion:173 Resp: 82470

Ion Ratio Lower Upper

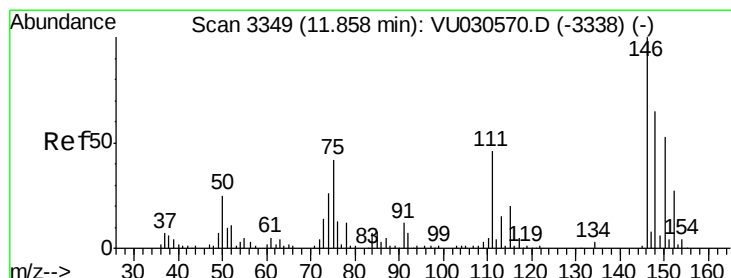
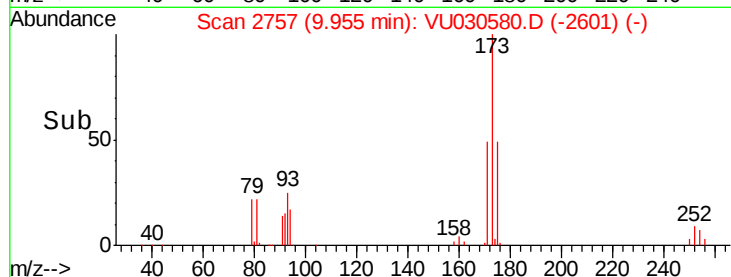
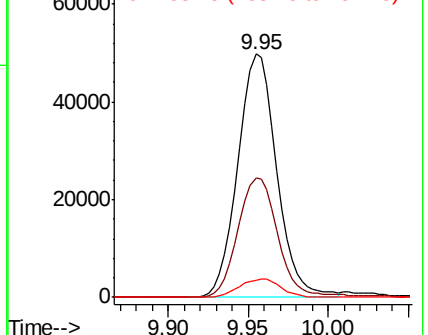
173 100

175 51.1 38.6 57.8

254 8.0 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: 10.751 ug/l

RT: 11.86 min Scan# 3349

Delta R.T. 0.00 min

Lab File: VU030580.D

Acq: 30 Mar 2019 19:44

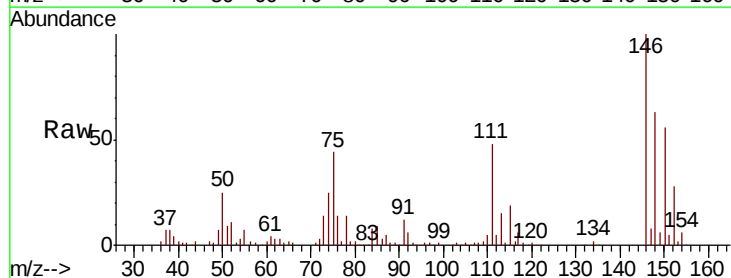
Tgt Ion:152 Resp: 20564

Ion Ratio Lower Upper

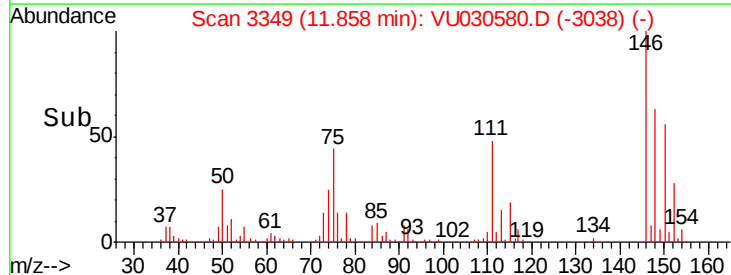
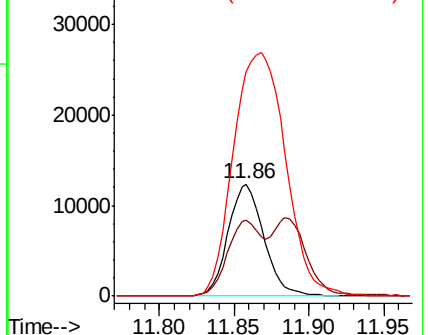
152 100

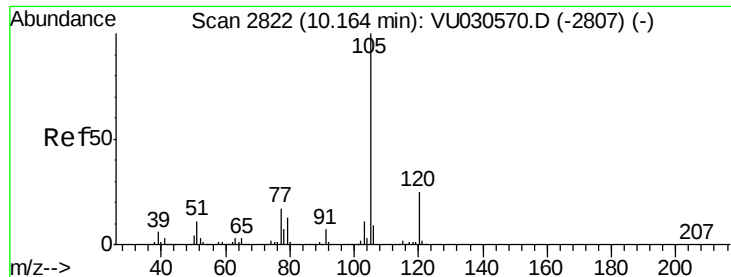
115 65.6 0.0 136.2

150 317.5 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: 10.877 ug/l

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU030580.D

Acq: 30 Mar 2019 19:44

Instrument :

MSVOA_U

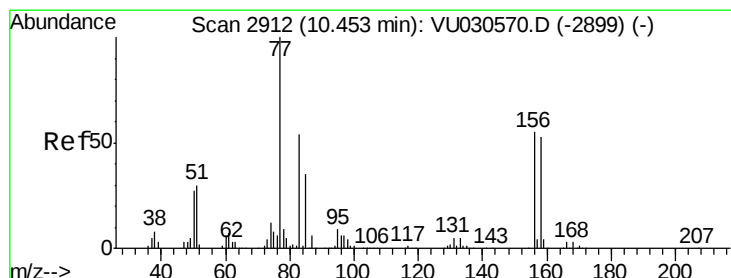
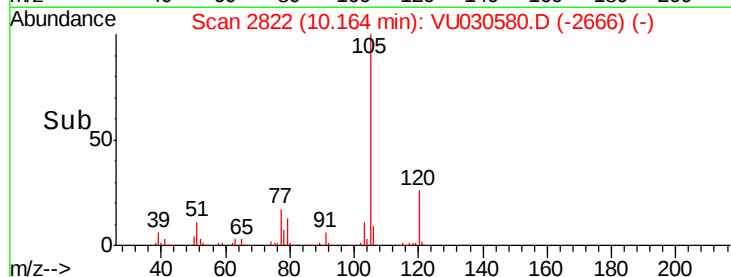
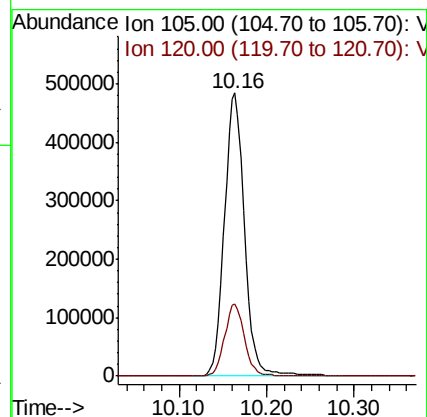
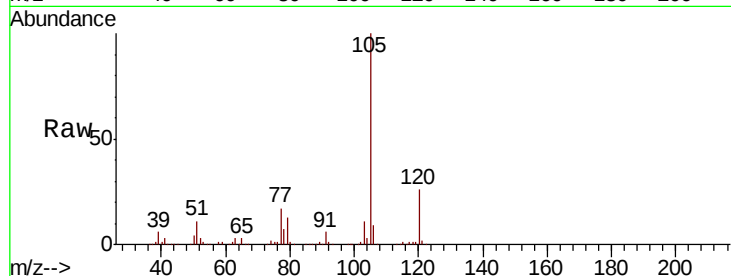
ClientSampled :

Tot Ion:105 Resp: 772172

Ion Ratio Lower Upper

105 100

120 25.0 12.6 37.6



#70

1,1,2,2-Tetrachloroethane

Concen: 10.501 ug/l

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU030580.D

Acq: 30 Mar 2019 19:44

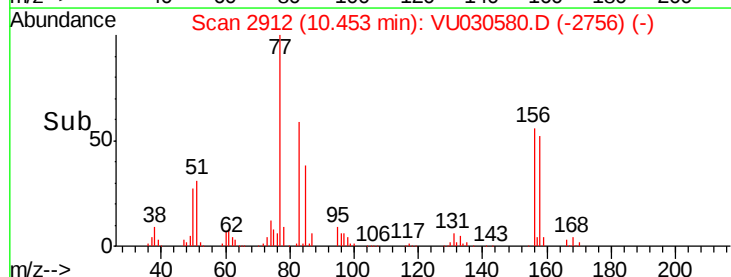
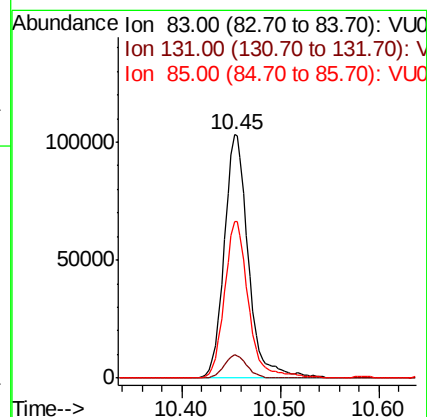
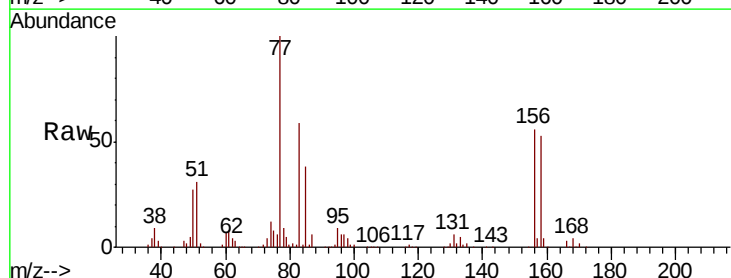
Tgt Ion: 83 Resp: 177587

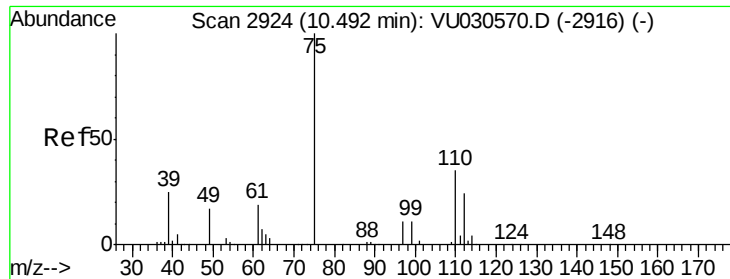
Ion Ratio Lower Upper

83 100

131 9.1 7.0 10.6

85 64.0 51.0 76.4

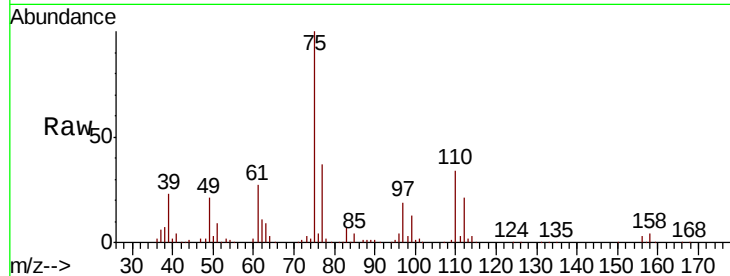




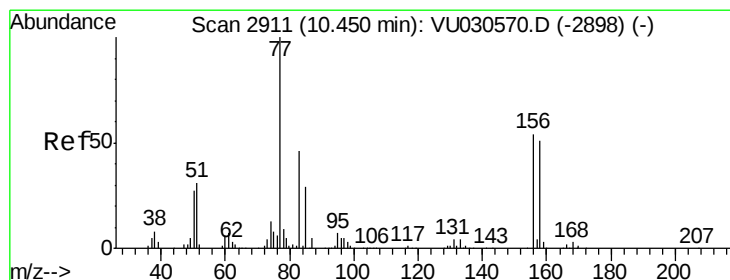
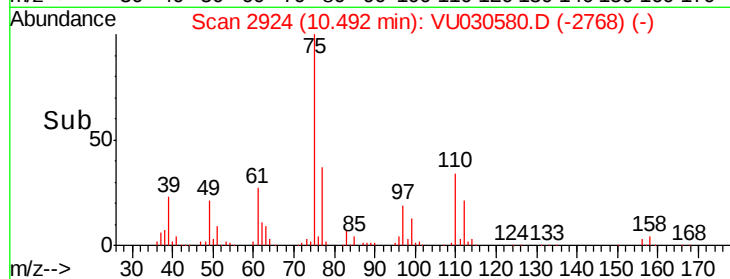
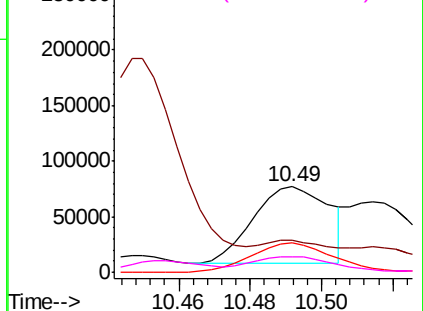
#71
1,2,3-Trichloropropane
Concen: 9.537 ug/l
RT: 10.49 min Scan# 2924
Delta R.T. 0.00 min
Lab File: VU030580.D
Acq: 30 Mar 2019 19:44

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:	75	Resp:	102819
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0
110	42.2	0.0	83.8
97	22.5	0.0	42.8

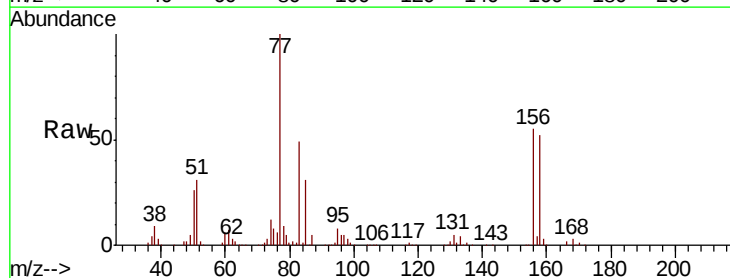


Abundance Ion 75.00 (74.70 to 75.70): VU030570.D (-2916) (-)
Ion 77.00 (76.70 to 77.70): VU030570.D (-2916) (-)
Ion 110.00 (109.70 to 110.70): VU030570.D (-2916) (-)
Ion 97.00 (96.70 to 97.70): VU030570.D (-2916) (-)

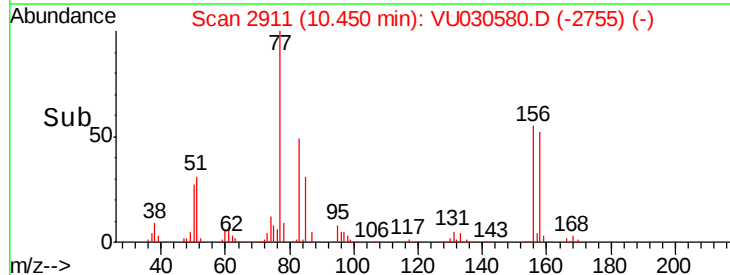
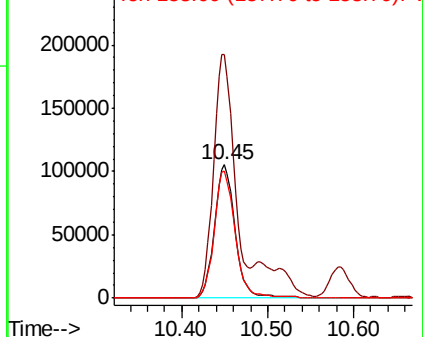


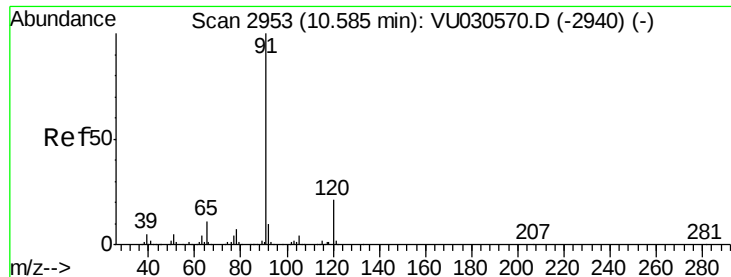
#72
Bromobenzene
Concen: 10.399 ug/l
RT: 10.45 min Scan# 2911
Delta R.T. 0.00 min
Lab File: VU030580.D
Acq: 30 Mar 2019 19:44

Tgt Ion:	156	Resp:	177122
Ion	Ratio	Lower	Upper
156	100		
77	180.9	0.0	363.0
158	97.1	0.0	193.2



Abundance Ion 156.00 (155.70 to 156.70): VU030570.D (-2898) (-)
Ion 77.00 (76.70 to 77.70): VU030570.D (-2898) (-)
Ion 158.00 (157.70 to 158.70): VU030570.D (-2898) (-)





#73

n-propylbenzene

Concen: 11.292 ug/l

RT: 10.58 min Scan# 2953

Delta R.T. 0.00 min

Lab File: VU030580.D

Acq: 30 Mar 2019 19:44

Instrument :

MSVOA_U

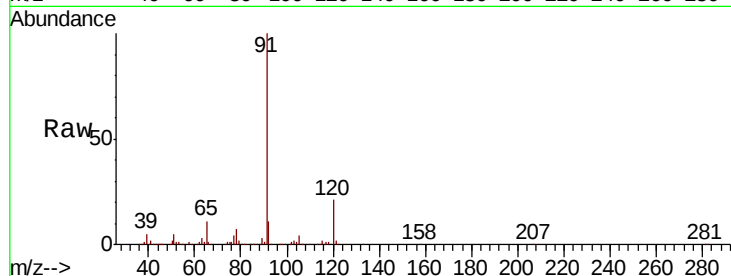
ClientSampleId :

Tot Ion:120 Resp: 205461

Ion Ratio Lower Upper

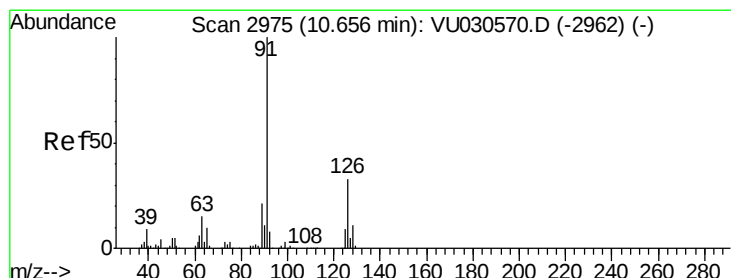
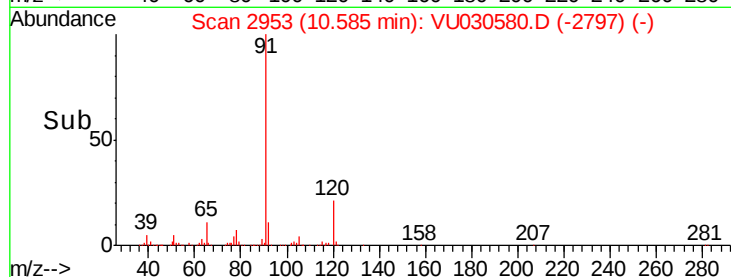
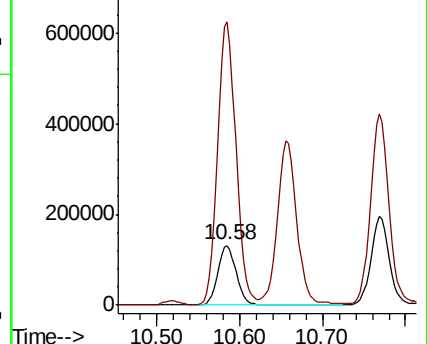
120 100

91 469.0 371.6 557.4



Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 10.838 ug/l

RT: 10.66 min Scan# 2975

Delta R.T. 0.00 min

Lab File: VU030580.D

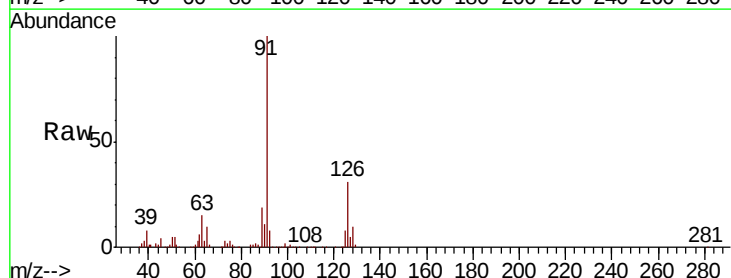
Acq: 30 Mar 2019 19:44

Tgt Ion:126 Resp: 182931

Ion Ratio Lower Upper

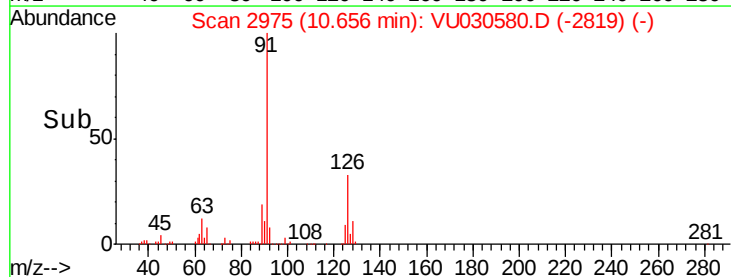
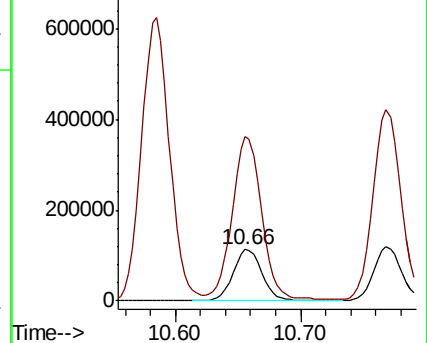
126 100

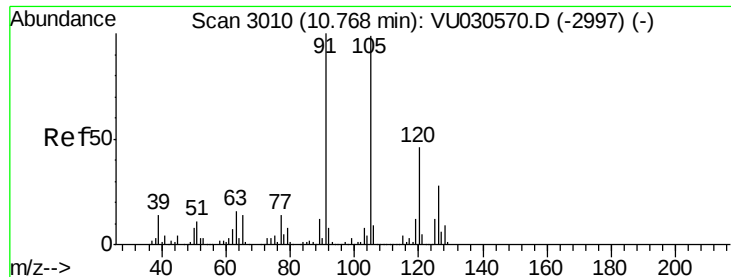
91 326.6 0.0 656.8



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: 11.159 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. 0.00 min

Lab File: VU030580.D

Acq: 30 Mar 2019 19:44

Instrument :

MSVOA_U

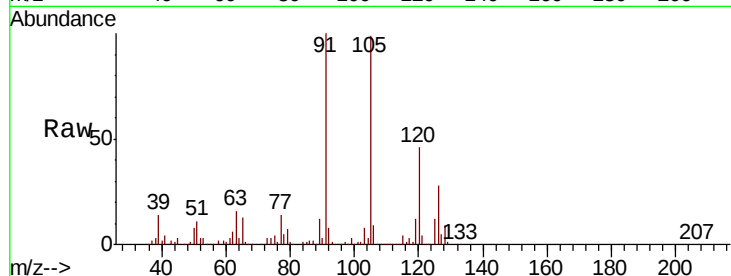
ClientSampled :

Tot Ion:105 Resp: 665909

Ion Ratio Lower Upper

105 100

120 46.4 37.6 56.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

10.77

400000

300000

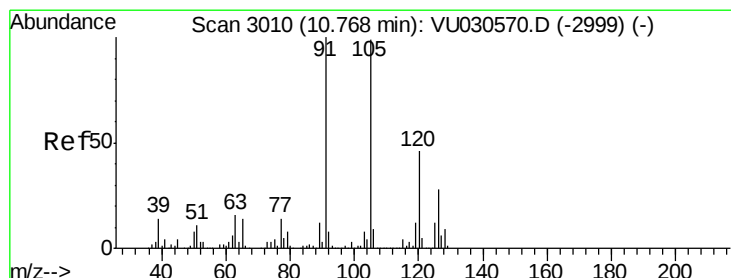
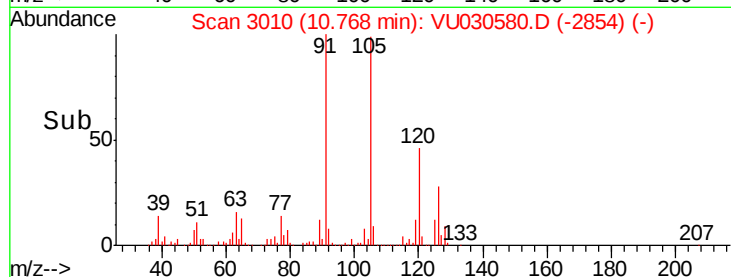
200000

100000

0

Time-->

10.70 10.80 10.90



#76

4-Chlorotoluene

Concen: 11.012 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. 0.00 min

Lab File: VU030580.D

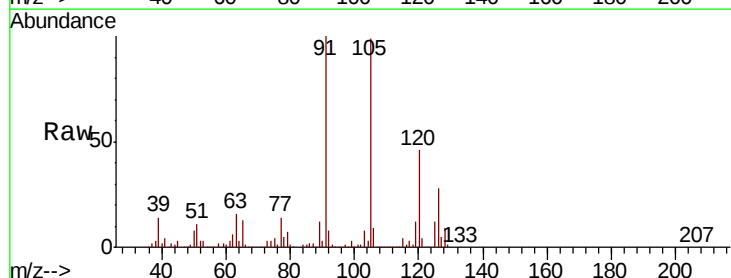
Acq: 30 Mar 2019 19:44

Tgt Ion:126 Resp: 188937

Ion Ratio Lower Upper

126 100

91 356.5 0.0 721.6



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0

400000

300000

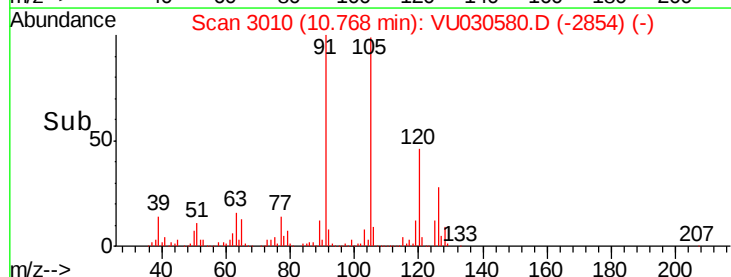
200000

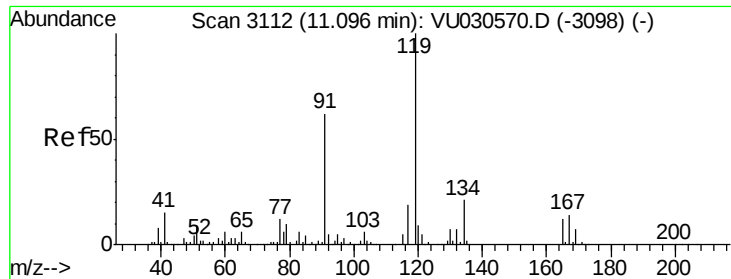
100000

0

Time-->

10.70 10.80 10.90





#77

tert-Butylbenzene

Concen: 10.854 ug/l

RT: 11.10 min Scan# 3112

Delta R.T. 0.00 min

Lab File: VU030580.D

Acq: 30 Mar 2019 19:44

Instrument :

MSVOA_U

ClientSampled :

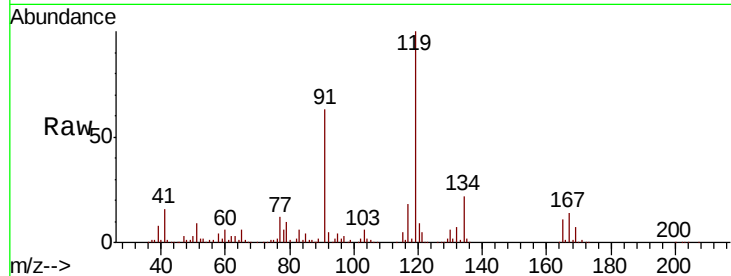
Tot Ion:119 Resp: 613425

Ion Ratio Lower Upper

119 100

91 62.2 30.9 92.8

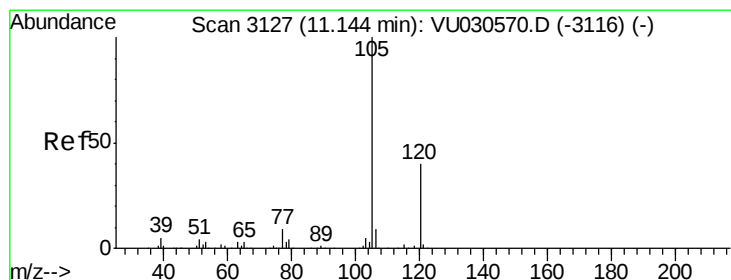
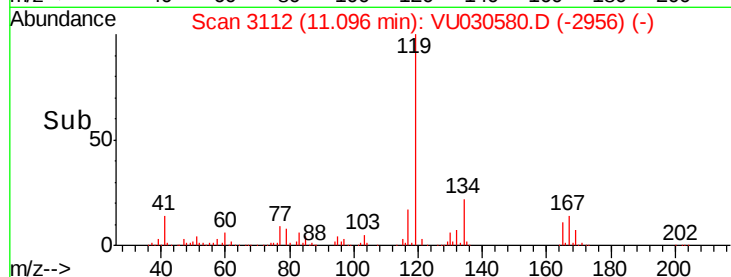
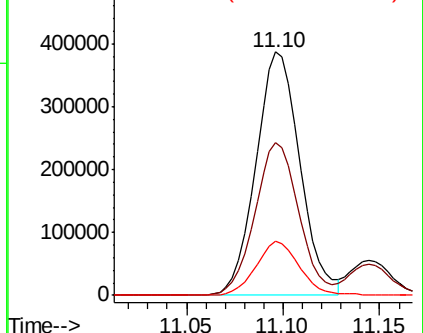
134 22.0 17.6 26.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VU0

Ion 134.00 (133.70 to 134.70): V



#78

1,2,4-Trimethylbenzene

Concen: 11.382 ug/l

RT: 11.14 min Scan# 3127

Delta R.T. 0.00 min

Lab File: VU030580.D

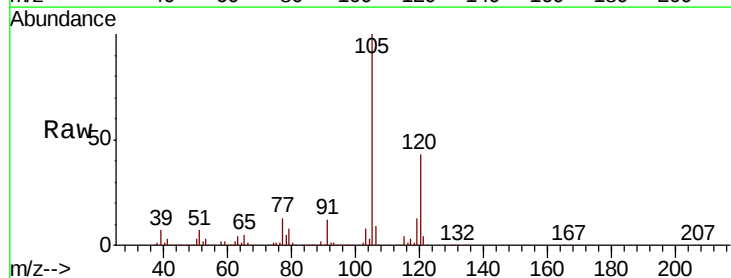
Acq: 30 Mar 2019 19:44

Tgt Ion:105 Resp: 673353

Ion Ratio Lower Upper

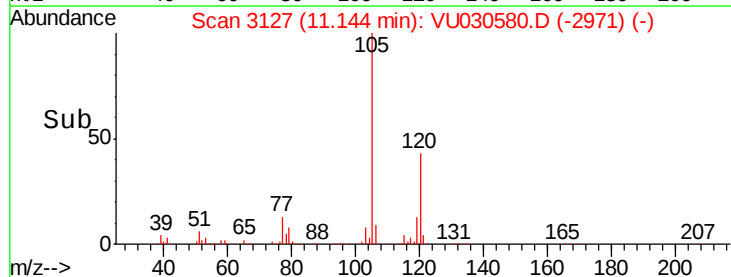
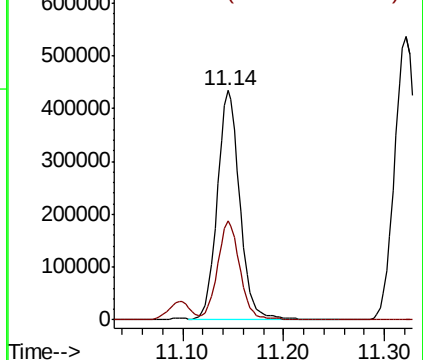
105 100

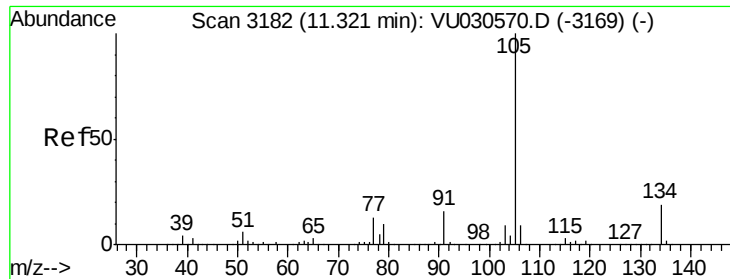
120 43.2 22.1 66.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

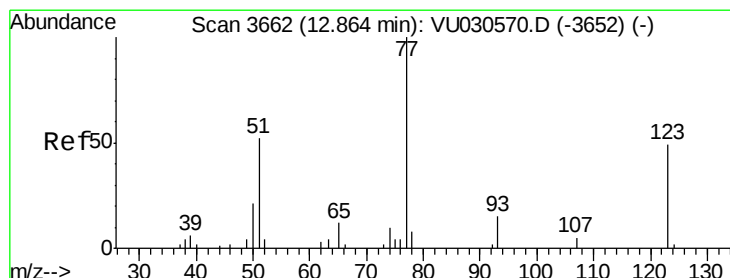
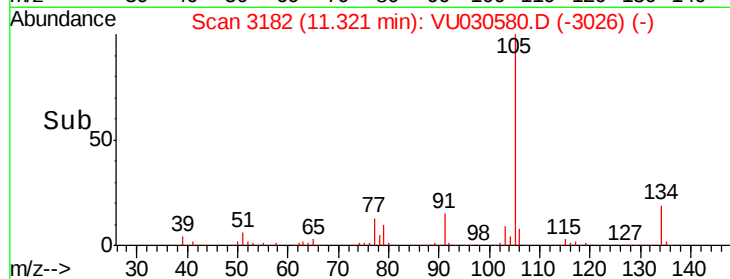
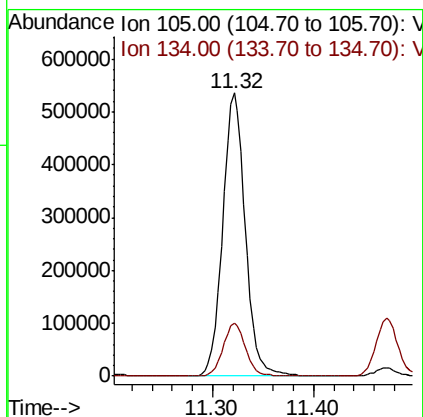
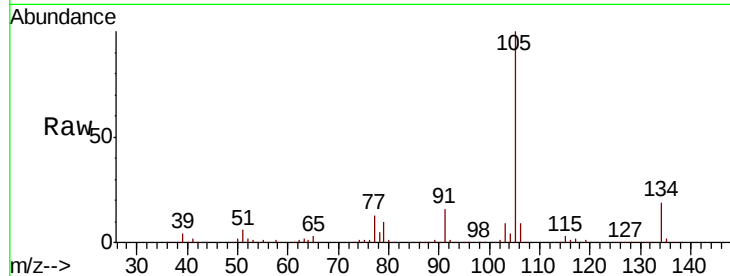




#79
 sec-Butylbenzene
 Concen: 10.877 ug/l
 RT: 11.32 min Scan# 3182
 Delta R.T. 0.00 min
 Lab File: VU030580.D
 Acq: 30 Mar 2019 19:44

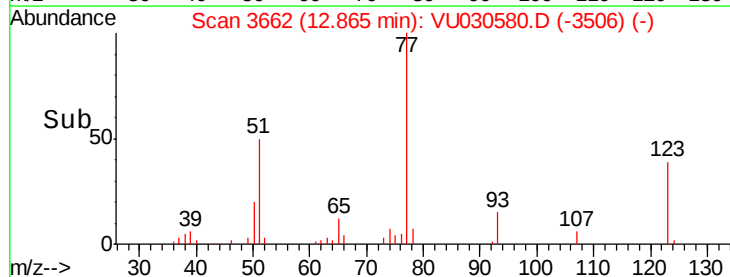
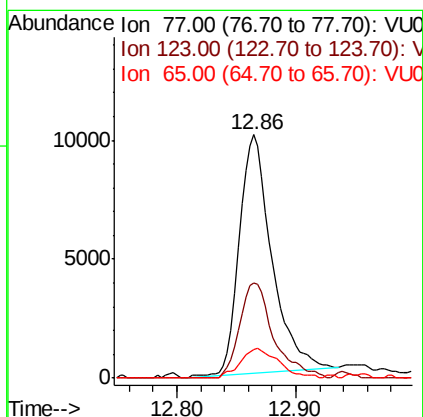
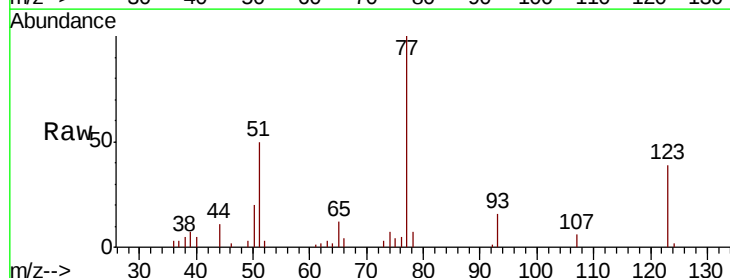
Instrument :
 MSVOA_U
 ClientSampleId :

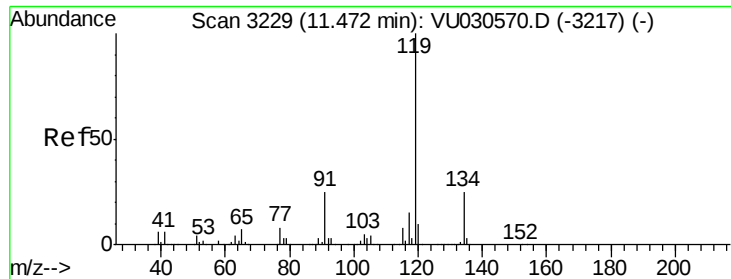
Tot Ion:105 Resp: 835445
 Ion Ratio Lower Upper
 105 100
 134 18.8 14.7 22.1



#80
 Nitrobenzene
 Concen: 83.690 ug/l
 RT: 12.86 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VU030580.D
 Acq: 30 Mar 2019 19:44

Tgt Ion: 77 Resp: 19069
 Ion Ratio Lower Upper
 77 100
 123 41.5 17.5 62.1
 65 14.5 8.1 10.3#

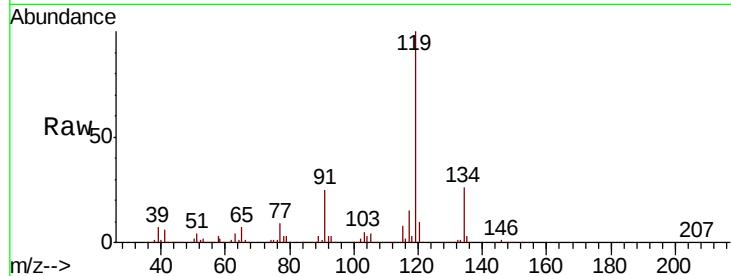




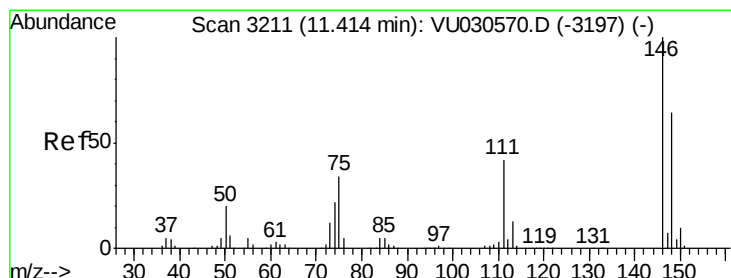
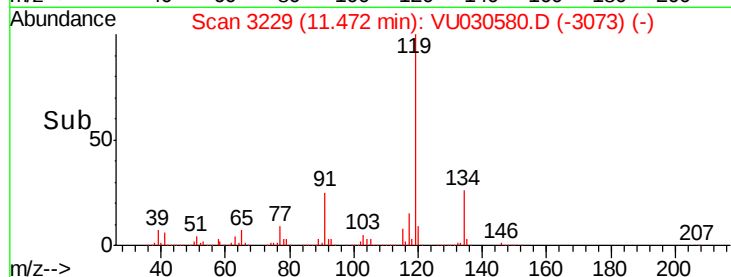
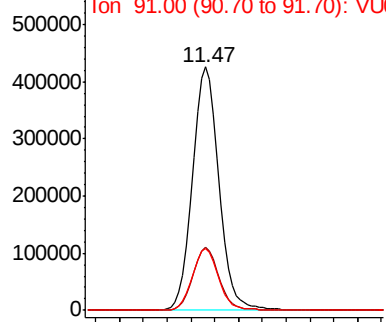
#81
 p-Isopropyltoluene
 Concen: 11.097 ug/l
 RT: 11.47 min Scan# 3229
 Delta R.T. 0.00 min
 Lab File: VU030580.D
 Acq: 30 Mar 2019 19:44

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:119 Resp: 654634
 Ion Ratio Lower Upper
 119 100
 134 25.7 20.6 31.0
 91 25.3 20.4 30.6

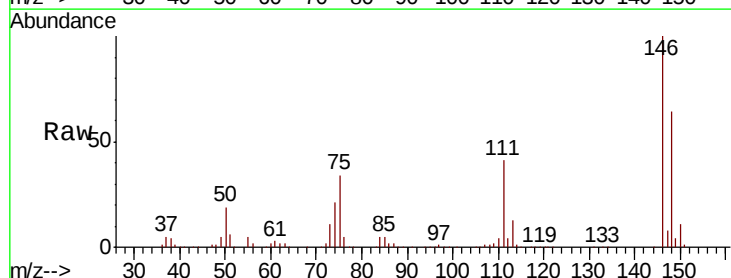


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 134.00 (133.70 to 134.70): V
 Ion 91.00 (90.70 to 91.70): V

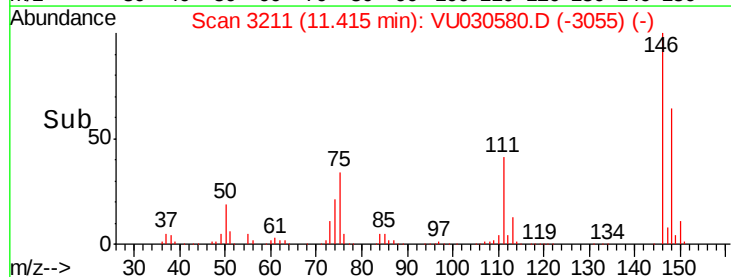
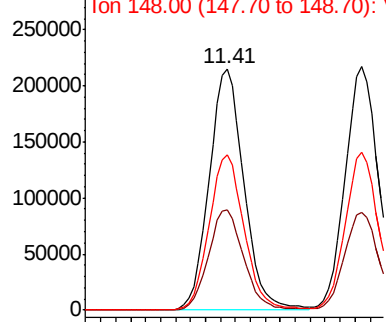


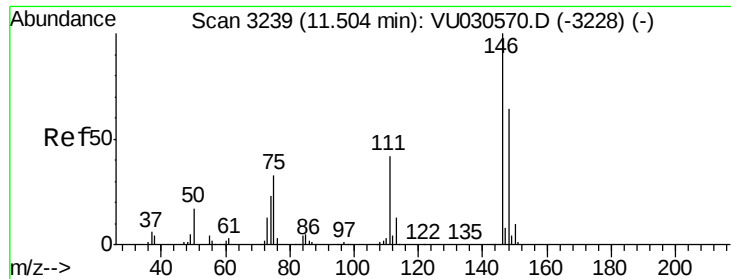
#82
 1,3-Dichlorobenzene
 Concen: 10.204 ug/l
 RT: 11.41 min Scan# 3211
 Delta R.T. 0.00 min
 Lab File: VU030580.D
 Acq: 30 Mar 2019 19:44

Tgt Ion:146 Resp: 347301
 Ion Ratio Lower Upper
 146 100
 111 42.3 34.0 51.0
 148 64.8 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

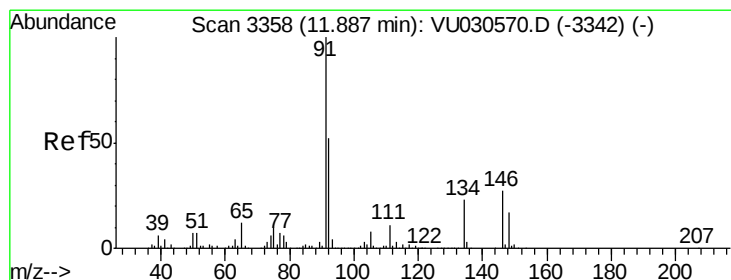
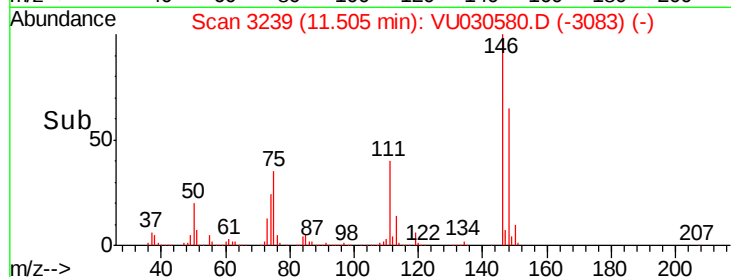
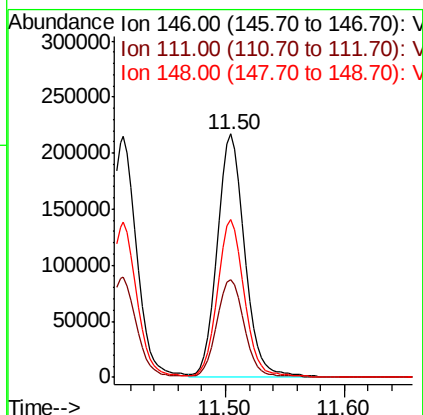
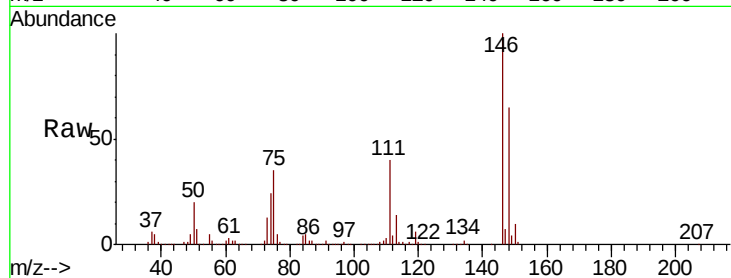




#83
 1,4-Dichlorobenzene
 Concen: 10.154 ug/l
 RT: 11.50 min Scan# 3239
 Delta R.T. 0.00 min
 Lab File: VU030580.D
 Acq: 30 Mar 2019 19:44

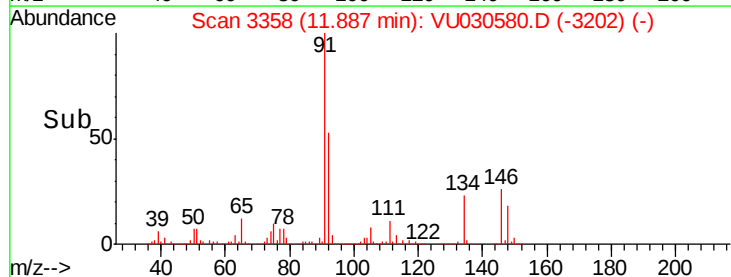
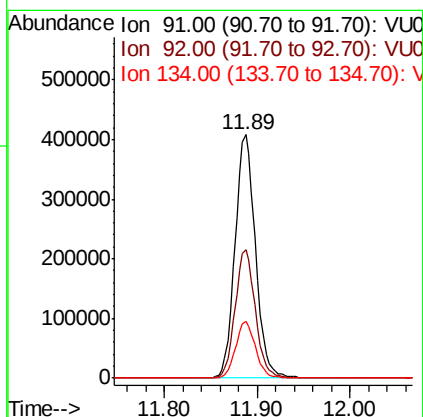
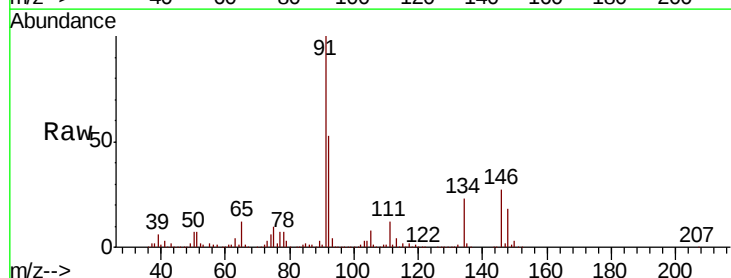
Instrument :
 MSVOA_U
 ClientSampled :

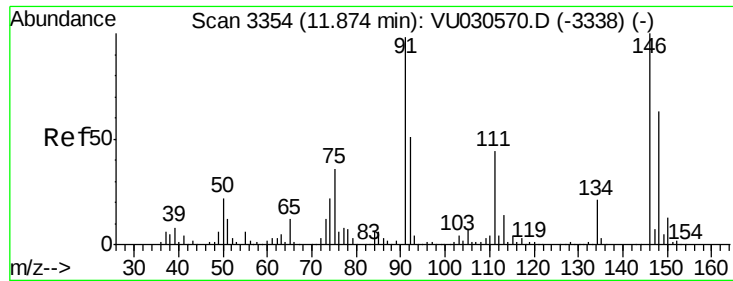
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	32.8	49.2
148	64.1	50.5	75.7



#84
 n-Butylbenzene
 Concen: 10.924 ug/l
 RT: 11.89 min Scan# 3358
 Delta R.T. 0.00 min
 Lab File: VU030580.D
 Acq: 30 Mar 2019 19:44

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.2	41.7	62.5
134	22.8	18.3	27.5

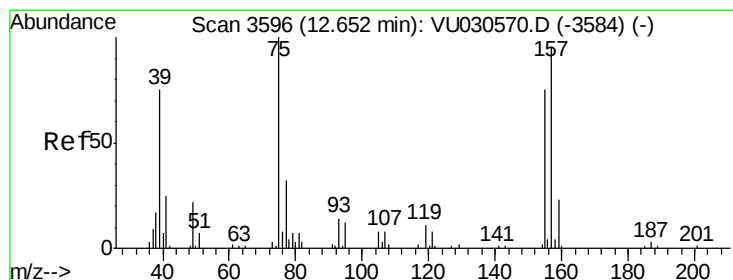
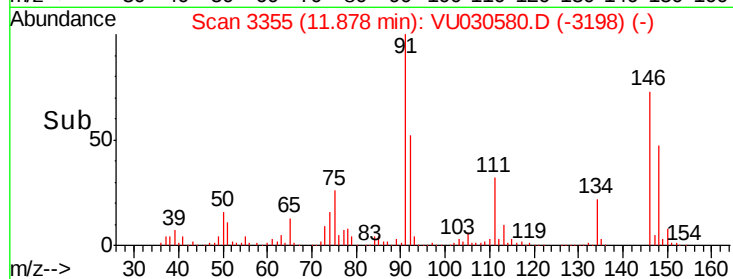
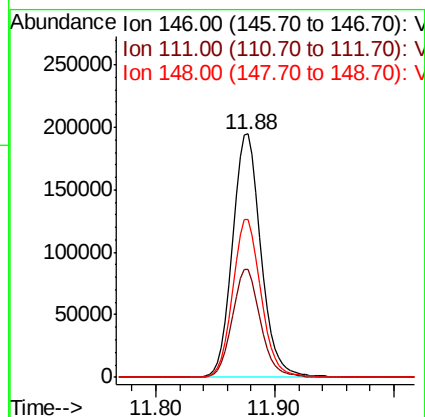
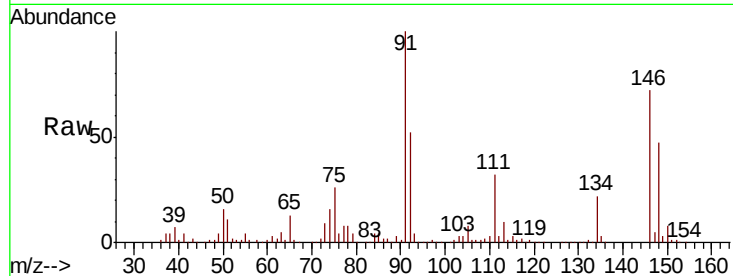




#85
 1,2-Dichlorobenzene
 Concen: 10.091 ug/l
 RT: 11.88 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VU030580.D
 Acq: 30 Mar 2019 19:44

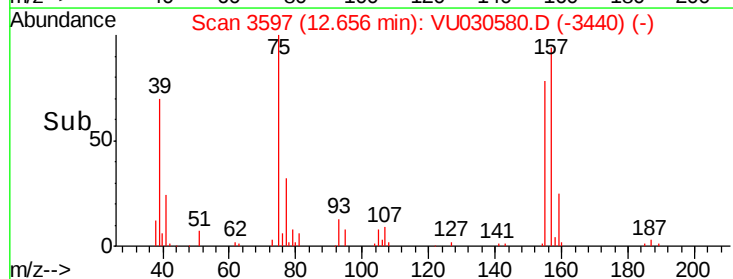
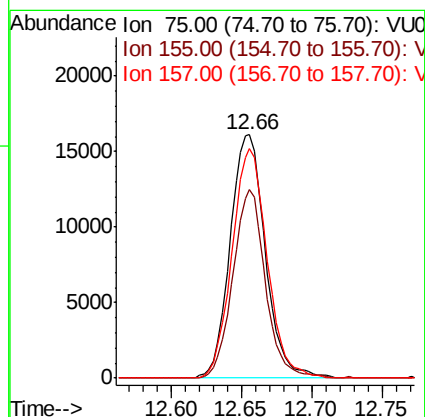
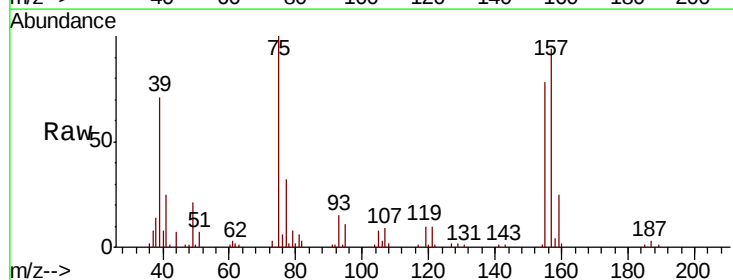
Instrument :
 MSVOA_U
 ClientSampleId :

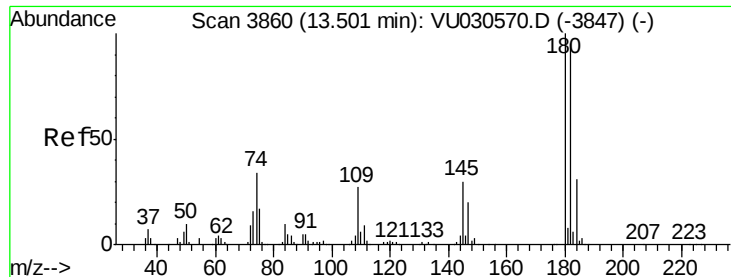
Tot Ion:146 Resp: 323197
 Ion Ratio Lower Upper
 146 100
 111 44.0 21.9 65.5
 148 64.8 31.5 94.5



#86
 1,2-Dibromo-3-Chloropropane
 Concen: 11.338 ug/l
 RT: 12.66 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VU030580.D
 Acq: 30 Mar 2019 19:44

Tgt Ion: 75 Resp: 28120
 Ion Ratio Lower Upper
 75 100
 155 71.5 59.7 89.5
 157 93.9 73.7 110.5

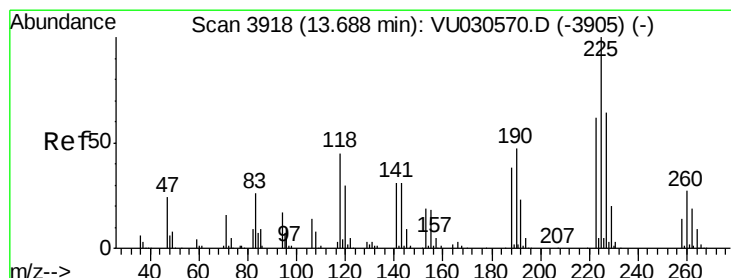
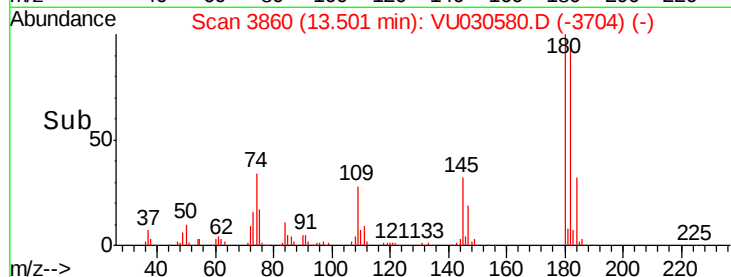
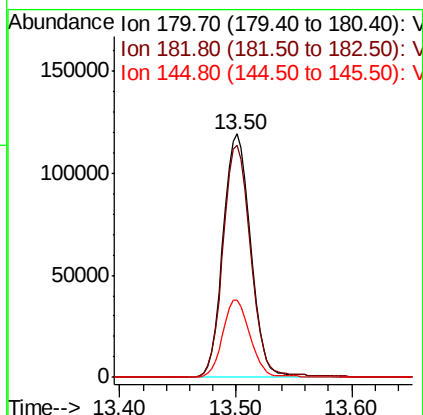
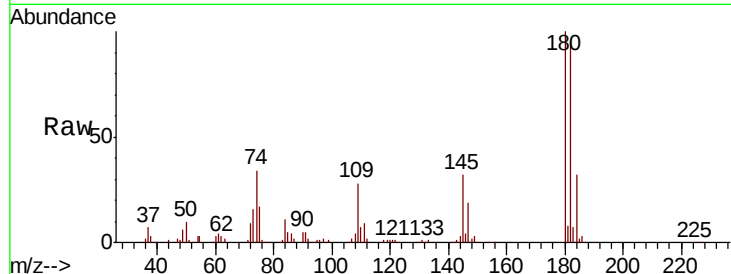




#87
 1,2,4-Trichlorobenzene
 Concen: 10.793 ug/l
 RT: 13.50 min Scan# 3860
 Delta R.T. 0.00 min
 Lab File: VU030580.D
 Acq: 30 Mar 2019 19:44

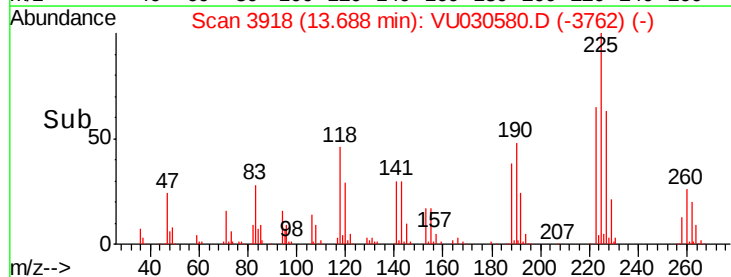
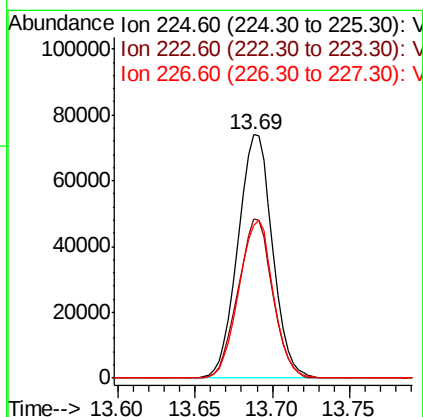
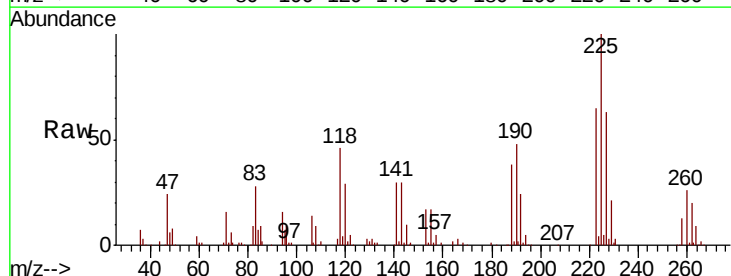
Instrument :
 MSVOA_U
 ClientSampleId :

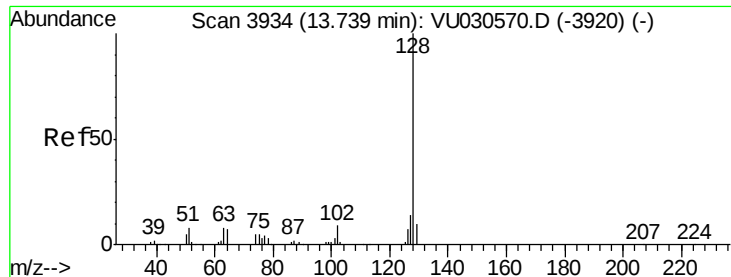
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.0	114.0
145	31.5	24.3	36.5



#88
 Hexachlorobutadiene
 Concen: 10.000 ug/l
 RT: 13.69 min Scan# 3918
 Delta R.T. 0.00 min
 Lab File: VU030580.D
 Acq: 30 Mar 2019 19:44

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.1	50.7	76.1
227	64.8	50.8	76.2





#89

Naphthalene

Concen: 11.148 ug/l

RT: 13.74 min Scan# 3934

Delta R.T. 0.00 min

Lab File: VU030580.D

Acq: 30 Mar 2019 19:44

Instrument :

MSVOA_U

ClientSampleId :

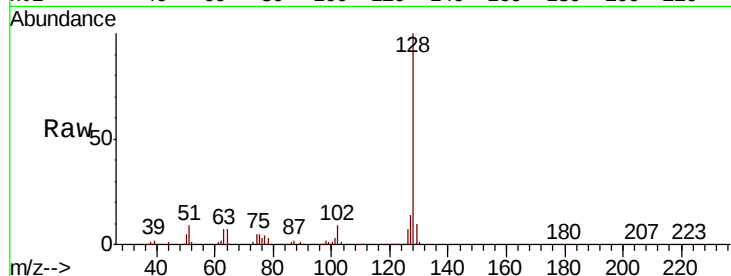
Tot Ion:128 Resp: 355857

Ion Ratio Lower Upper

128 100

127 13.3 10.4 15.6

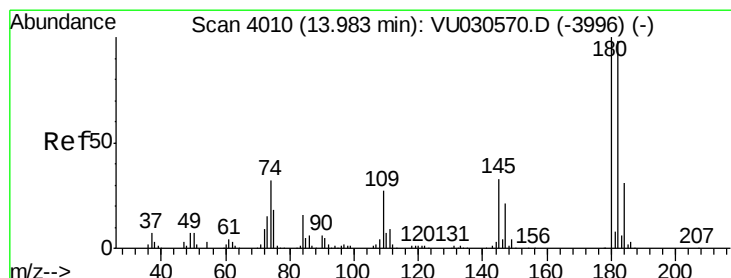
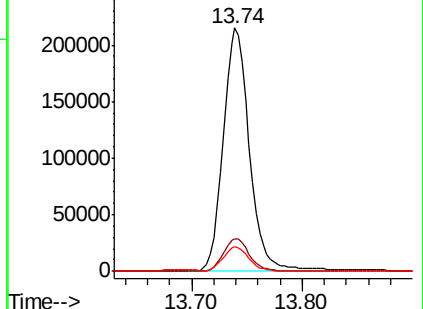
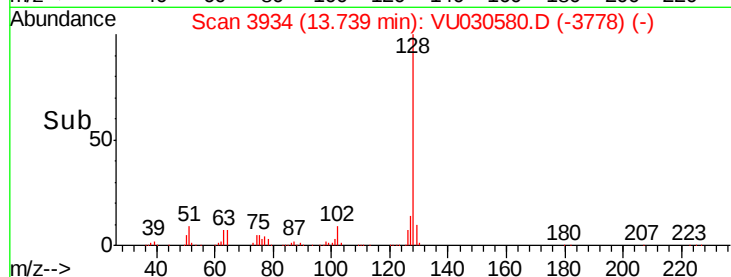
129 9.8 7.8 11.8



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: 10.704 ug/l

RT: 13.98 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VU030580.D

Acq: 30 Mar 2019 19:44

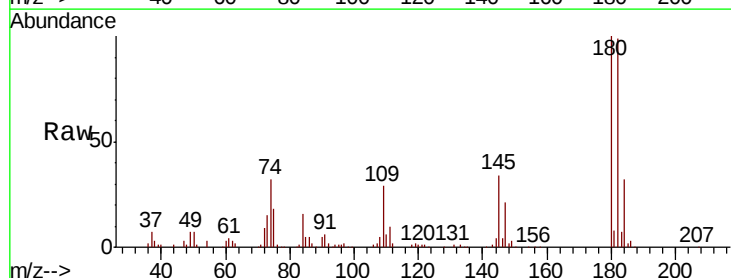
Tgt Ion:180 Resp: 185736

Ion Ratio Lower Upper

180 100

182 96.4 76.6 114.8

145 32.5 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

