

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU033119\
 Data File : VU030570.D
 Acq On : 30 Mar 2019 11:42
 Operator : JC/SP
 Sample : VSTDICCC010
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Mar 31 00:44:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U033119DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Sun Mar 31 00:38:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	5.74	96	55452	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.31	95	21493	1.05	ug/l	0.00
Spiked Amount	1.000		Recovery	=	105.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	20456	0.91	ug/l	0.00
Spiked Amount	1.000		Recovery	=	91.00%	

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	238925	11.339	ug/l 100
3) Chloromethane	1.33	50	289779	11.987	ug/l 100
4) Vinyl Chloride	1.40	62	263846	12.573	ug/l 100
5) Bromomethane	1.62	94	107572	9.398	ug/l 100
6) Chloroethane	1.70	64	147209	12.246	ug/l 100
7) Trichlorofluoromethane	1.88	101	294126	11.117	ug/l 100
8) 1,1,2-Trichloro-1,2,2-trif	2.28	101	146525	10.339	ug/l 100
9) 1,1-Dichloroethene	2.28	96	147250	10.475	ug/l 100
10) Iodomethane	2.41	142	144621	11.967	ug/l 100
11) Allyl Chloride	2.59	41	322020	14.777	ug/l 100
12) Acrylonitrile	2.94	53	80776	25.253	ug/l 100
13) Acetone	2.32	43	182080	64.366	ug/l 100
14) Carbon Disulfide	2.47	76	537900	10.876	ug/l 100
15) Methylene Chloride	2.69	84	175035	10.378	ug/l 100
16) trans-1,2-Dichloroethene	2.97	96	163763	10.133	ug/l 100
17) 1,1-Dichloroethane	3.44	63	341551	12.053	ug/l 100
18) 2-Butanone	4.27	43	271757	69.259	ug/l 100
19) Cyclohexane	4.98	56	267863	10.987	ug/l 88
20) Methylcyclohexane	6.41	83	273503	10.623	ug/l 100
21) 2,2-Dichloropropane	4.22	77	263190	11.192	ug/l 100
22) cis-1,2-Dichloroethene	4.22	96	181320	10.121	ug/l 100
23) Diethyl Ether	2.10	59	140758	12.798	ug/l 100
24) tert-Butyl Alcohol	2.84	59	143567	122.306	ug/l 100
25) Methyl tert-Butyl Ether	3.00	73	433851	11.869	ug/l 100
26) Bromochloromethane	4.54	128	70040	9.090	ug/l 100
27) Chloroform	4.67	83	325573	11.072	ug/l 100
28) 1,1,1-Trichloroethane	4.91	97	269440	11.226	ug/l 100
29) 1,1-Dichloropropene	5.13	75	242354	11.110	ug/l 100
30) Carbon Tetrachloride	5.13	117	228430	10.736	ug/l 100
31) Isopropyl Ether	3.58	45	575982	13.898	ug/l 100
32) Ethyl-t-butyl ether	4.07	59	469141	12.227	ug/l 100
33) Tert-Amyl methyl ether	5.58	73	393672	11.419	ug/l 100
34) Propionitrile	4.33	54	74861	68.812	ug/l 100
35) Benzene	5.38	78	717821	11.210	ug/l 100
36) 1,2-Dichloroethane	5.40	62	214302	12.177	ug/l 100
37) Trichloroethene	6.18	130	169025	9.466	ug/l 100
38) 1,2-Dichloropropane	6.43	63	197362	11.924	ug/l 100
39) Methacrylonitrile	4.55	41	69155	14.294	ug/l 100
40) Methyl acrylate	4.42	55	95897	13.025	ug/l 100
41) Tetrahydrofuran	4.65	42	68345	25.997	ug/l 100
42) 1-Chlorobutane	5.06	56	375258	12.716	ug/l 100

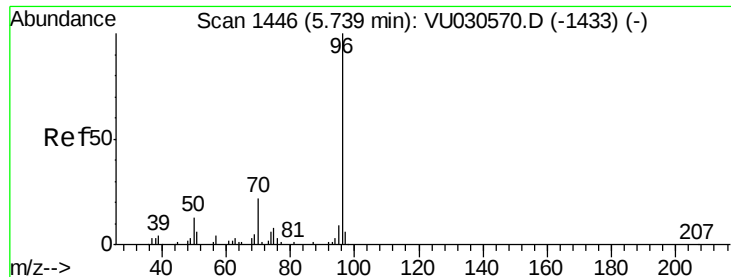
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU033119\
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 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Sun Mar 31 00:38:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	90805	10.821	ug/l	100
44) Bromodichloromethane	6.75	83	234728	11.584	ug/l	100
45) 4-Methyl-2-Pentanone	7.46	43	633376	71.633	ug/l	100
46) t-1,4-Dichloro-2-butene	10.49	75	95074	29.333	ug/l	94
47) Methyl methacrylate	6.62	69	172059	24.210	ug/l	100
48) Ethyl methacrylate	8.02	69	165583	12.414	ug/l	100
49) Toluene	7.63	92	413099	10.859	ug/l	100
50) t-1,3-Dichloropropene	7.88	75	216216	11.977	ug/l	100
51) cis-1,3-Dichloropropene	7.27	75	256878	11.411	ug/l	100
52) 1,1,2-Trichloroethane	8.06	97	121973	10.395	ug/l	100
53) 1,3-Dichloropropane	8.24	76	225328	11.289	ug/l	100
54) 2-Hexanone	8.36	43	433611	68.765	ug/l	100
55) Dibromochloromethane	8.47	129	141878	10.157	ug/l	100
56) 1,2-Dibromoethane	8.58	107	112801	10.087	ug/l	100
58) Tetrachloroethene	8.22	164	153840	9.503	ug/l	100
59) Chlorobenzene	9.12	112	441727	10.248	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.21	131	148843	9.842	ug/l	100
61) Pentachloroethane	11.10	117	120609	10.245	ug/l	100
62) Hexachloroethane	12.14	117	106402	9.239	ug/l	100
63) Ethyl Benzene	9.25	91	808952	11.262	ug/l	100
64) m/p-Xylenes	9.37	106	589660	21.245	ug/l	100
65) o-Xylene	9.77	106	282515	10.388	ug/l	100
66) Styrene	9.79	104	500798	11.144	ug/l	100
67) Bromoform	9.95	173	79729	10.072	ug/l	100
69) Isopropylbenzene	10.16	105	777179	10.856	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.45	83	165356	11.248	ug/l	100
71) 1,2,3-Trichloropropane	10.49	75	95074	8.915	ug/l #	100
72) Bromobenzene	10.45	156	175487	9.553	ug/l	100
73) n-propylbenzene	10.58	120	209343	10.438	ug/l	100
74) 2-Chlorotoluene	10.66	126	182097	10.325	ug/l	100
75) 1,3,5-Trimethylbenzene	10.77	105	660815	10.877	ug/l	100
76) 4-Chlorotoluene	10.77	126	185962	10.366	ug/l	100
77) tert-Butylbenzene	11.10	119	615493	10.410	ug/l	100
78) 1,2,4-Trimethylbenzene	11.14	105	665203	10.799	ug/l	100
79) sec-Butylbenzene	11.32	105	840697	10.597	ug/l	100
80) Nitrobenzene	12.86	77	12795	50.570	ug/l	100
81) p-Isopropyltoluene	11.47	119	664674	10.125	ug/l	100
82) 1,3-Dichlorobenzene	11.41	146	346436	9.351	ug/l	100
83) 1,4-Dichlorobenzene	11.50	146	347125	9.321	ug/l	100
84) n-Butylbenzene	11.89	91	647324	10.478	ug/l	100
85) 1,2-Dichlorobenzene	11.87	146	324519	9.396	ug/l	100
86) 1,2-Dibromo-3-Chloropropan	12.65	75	25376	11.987	ug/l	100
87) 1,2,4-Trichlorobenzene	13.50	180	198218	8.195	ug/l	100
88) Hexachlorobutadiene	13.69	225	119271	8.913	ug/l	100
89) Naphthalene	13.74	128	353137	9.306	ug/l	100
90) 1,2,3-Trichlorobenzene	13.98	180	186840	8.475	ug/l	100

(#) = 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: VU030570.D

Acq: 30 Mar 2019 11:42

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 96 Resp: 55452

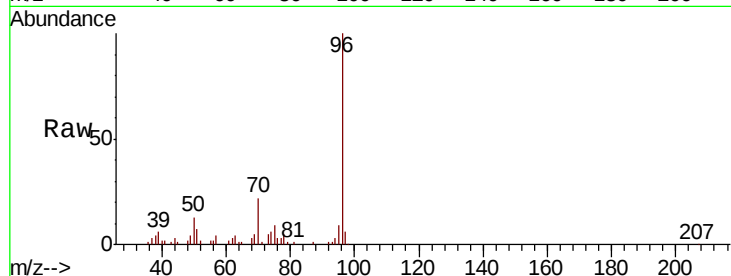
Ion Ratio Lower Upper

96 100

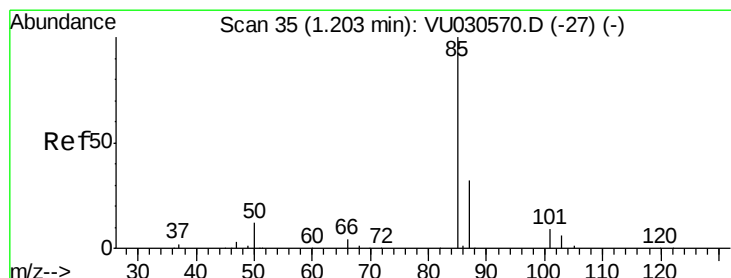
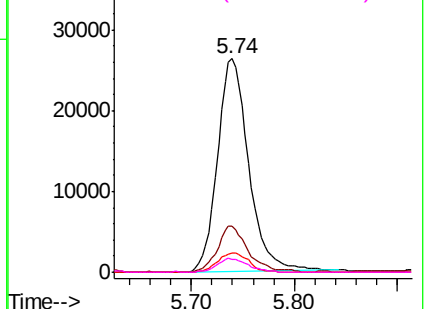
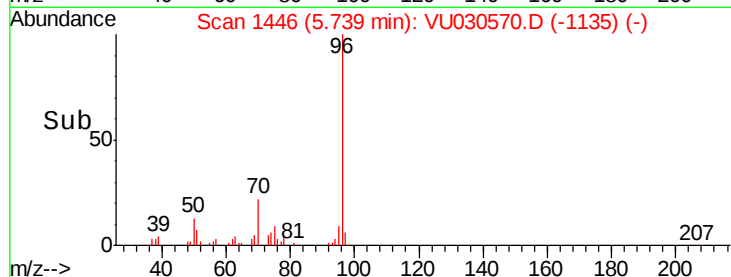
70 19.5 15.6 23.4

95 9.1 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: 11.339 ug/l

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU030570.D

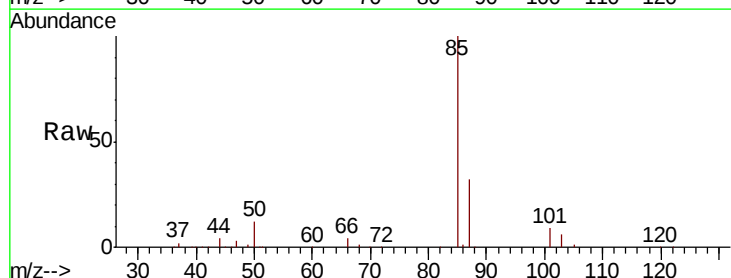
Acq: 30 Mar 2019 11:42

Tgt Ion: 85 Resp: 238925

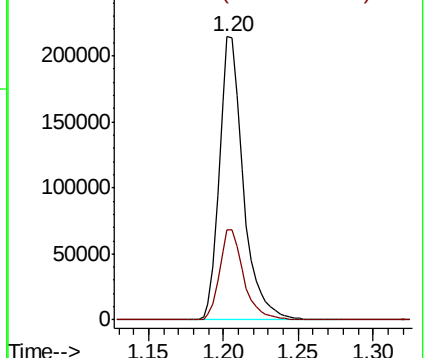
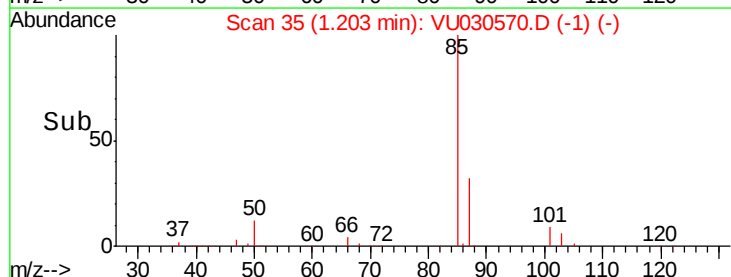
Ion Ratio Lower Upper

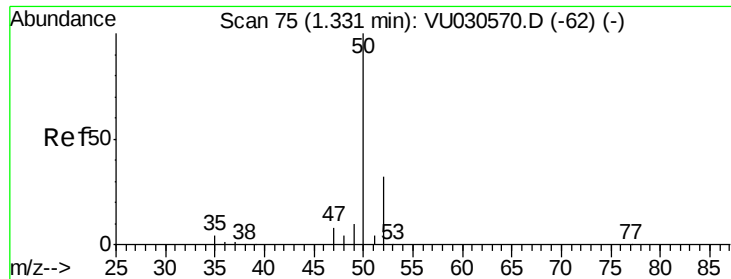
85 100

87 31.7 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: 11.987 ug/l

RT: 1.33 min Scan# 75

Delta R.T. 0.00 min

Lab File: VU030570.D

Acq: 30 Mar 2019 11:42

Instrument :

MSVOA_U

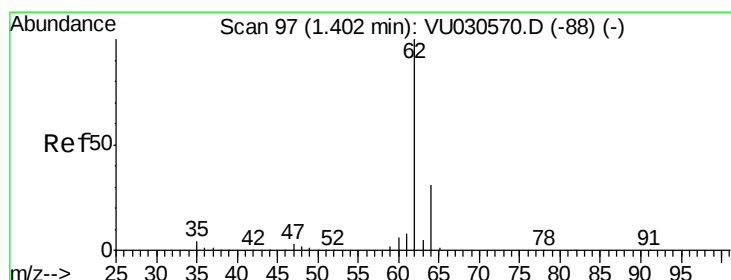
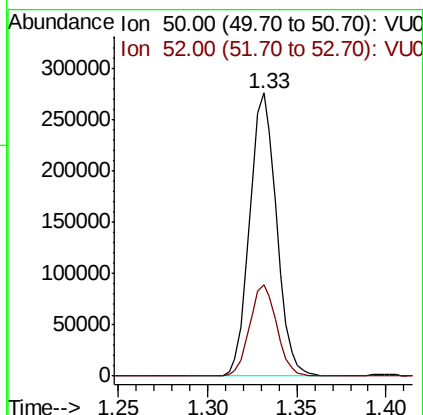
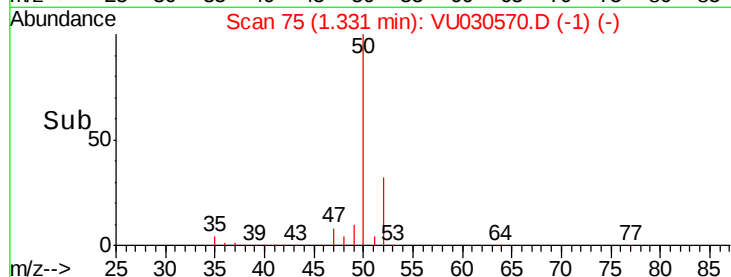
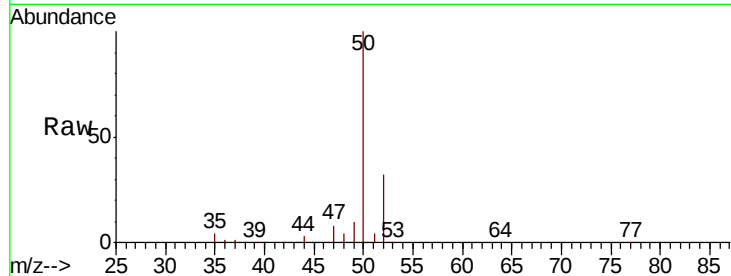
ClientSampleId :

Tot Ion: 50 Resp: 289779

Ion Ratio Lower Upper

50 100

52 32.3 25.8 38.8



#4

Vinyl Chloride

Concen: 12.573 ug/l

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU030570.D

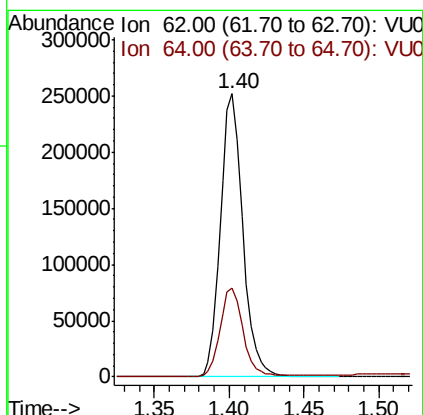
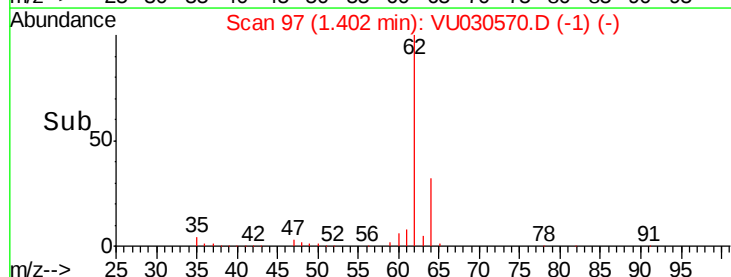
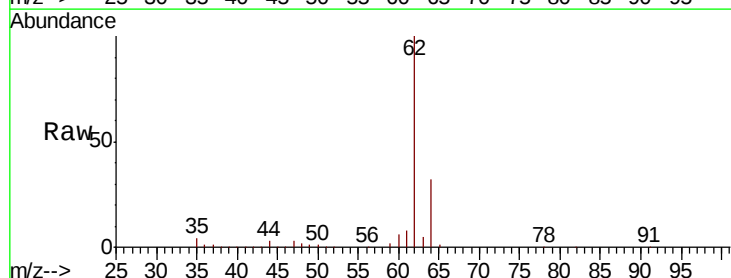
Acq: 30 Mar 2019 11:42

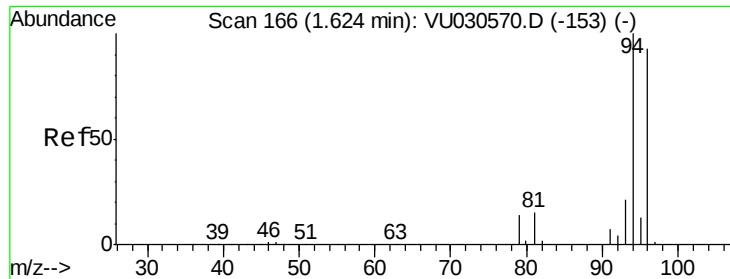
Tgt Ion: 62 Resp: 263846

Ion Ratio Lower Upper

62 100

64 31.4 25.1 37.7

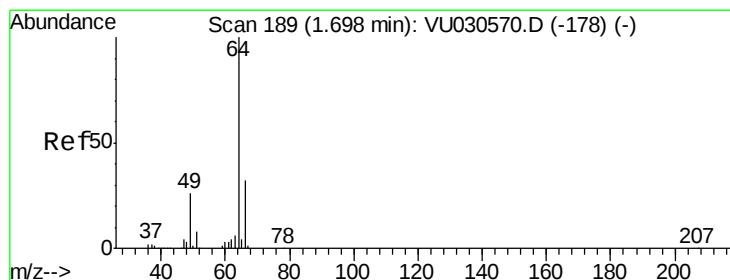
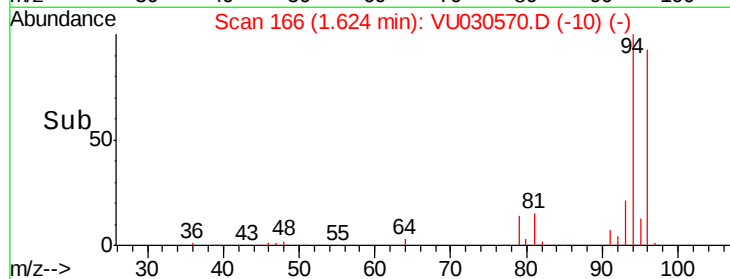
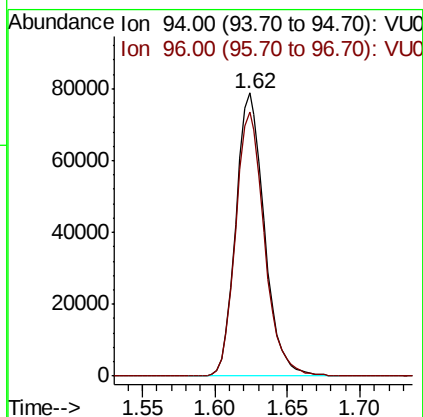
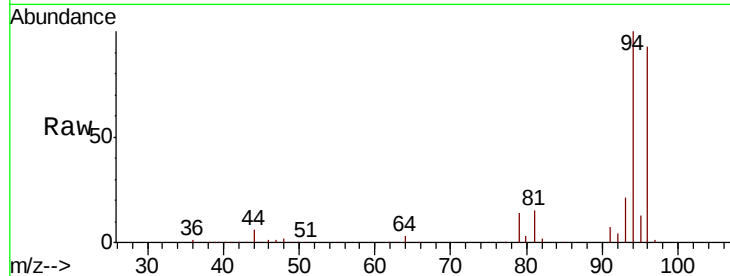




#5
Bromomethane
Concen: 9.398 ug/l
RT: 1.62 min Scan# 166
Delta R.T. 0.00 min
Lab File: VU030570.D
Acq: 30 Mar 2019 11:42

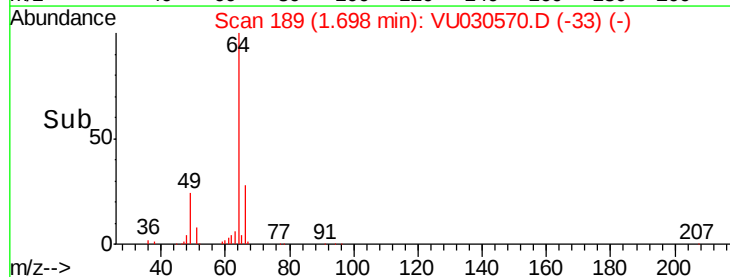
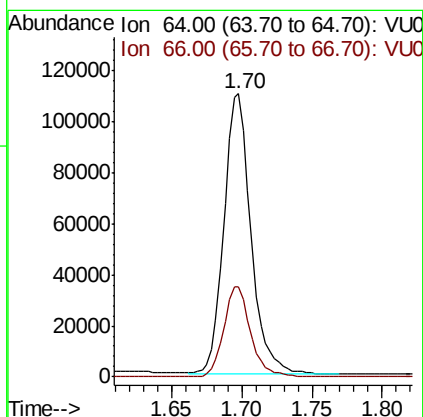
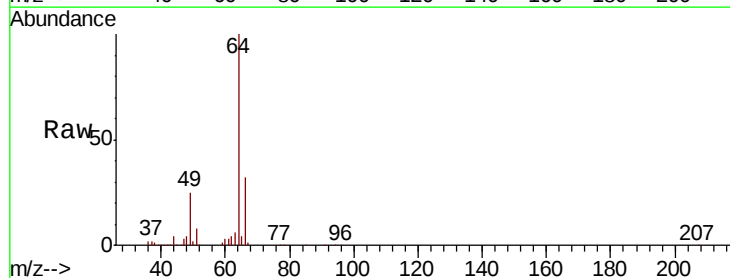
Instrument :
MSVOA_U
ClientSampleId :

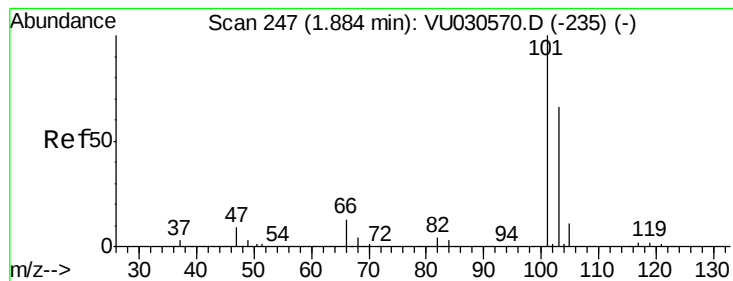
Tot Ion: 94 Resp: 107572
Ion Ratio Lower Upper
94 100
96 93.5 74.8 112.2



#6
Chloroethane
Concen: 12.246 ug/l
RT: 1.70 min Scan# 189
Delta R.T. 0.00 min
Lab File: VU030570.D
Acq: 30 Mar 2019 11:42

Tgt Ion: 64 Resp: 147209
Ion Ratio Lower Upper
64 100
66 31.9 25.5 38.3



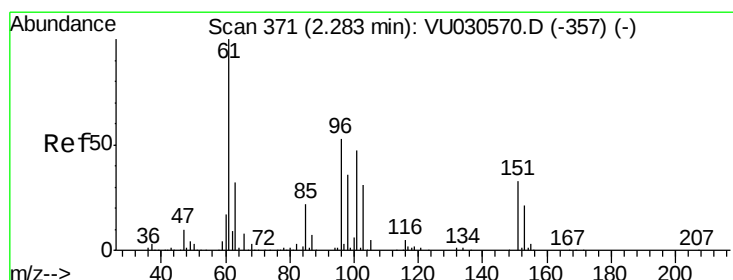
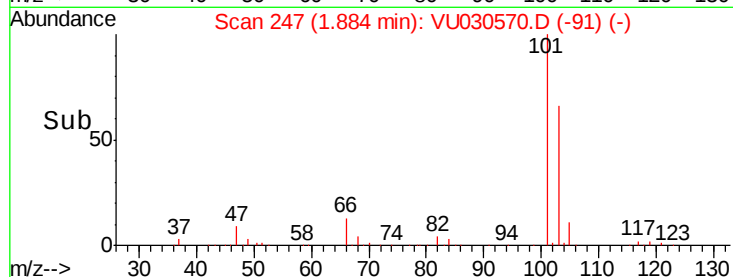
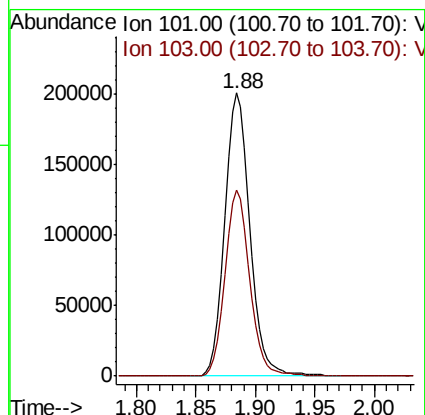
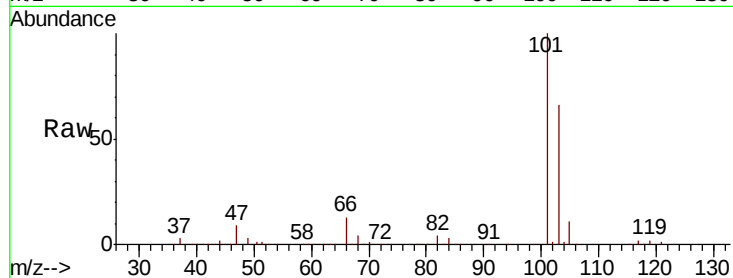


#7

Trichlorofluoromethane
 Concen: 11.117 ug/l
 RT: 1.88 min Scan# 247
 Delta R.T. 0.00 min
 Lab File: VU030570.D
 Acq: 30 Mar 2019 11:42

Instrument :
 MSVOA_U
 ClientSampleId :

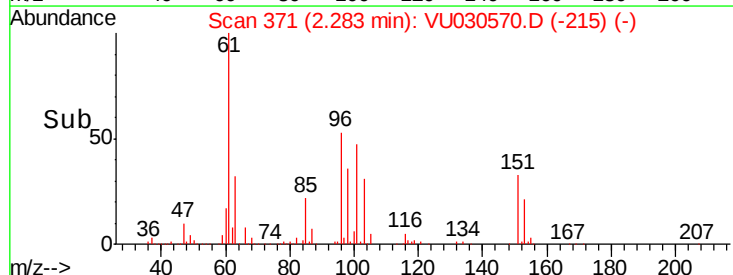
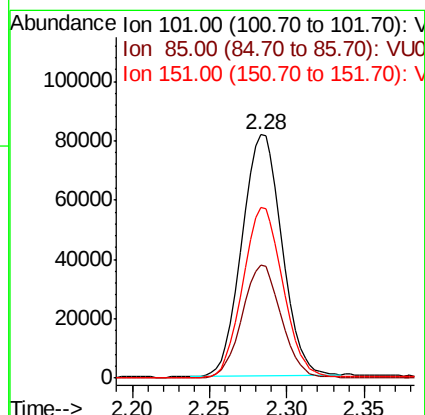
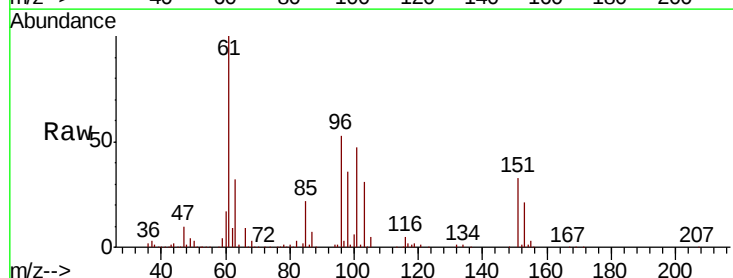
Tot Ion:101 Resp: 294126
 Ion Ratio Lower Upper
 101 100
 103 65.8 52.6 79.0

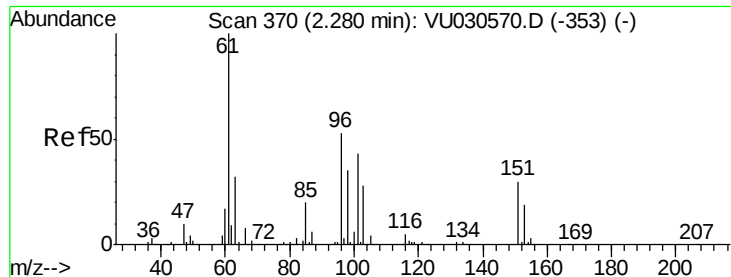


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 10.339 ug/l
 RT: 2.28 min Scan# 371
 Delta R.T. 0.00 min
 Lab File: VU030570.D
 Acq: 30 Mar 2019 11:42

Tgt Ion:101 Resp: 146525
 Ion Ratio Lower Upper
 101 100
 85 45.6 36.5 54.7
 151 70.6 56.5 84.7

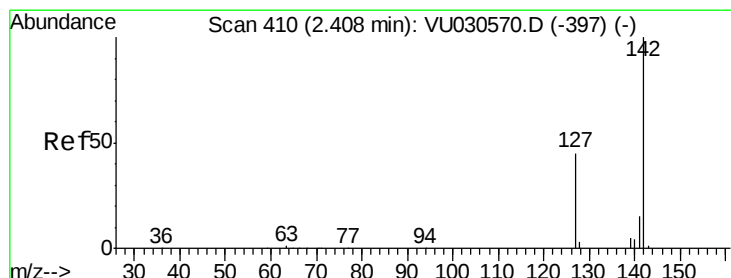
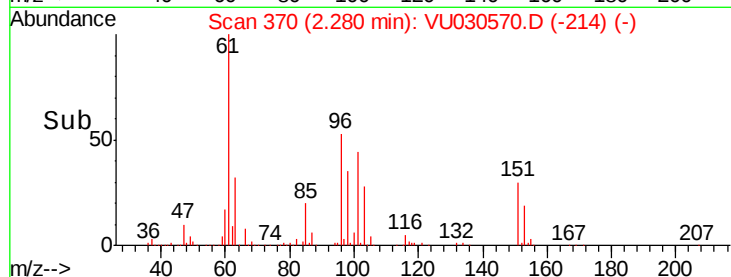
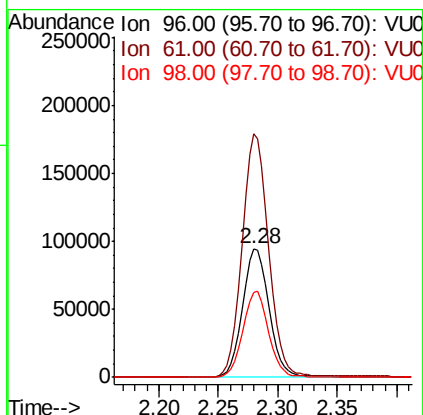
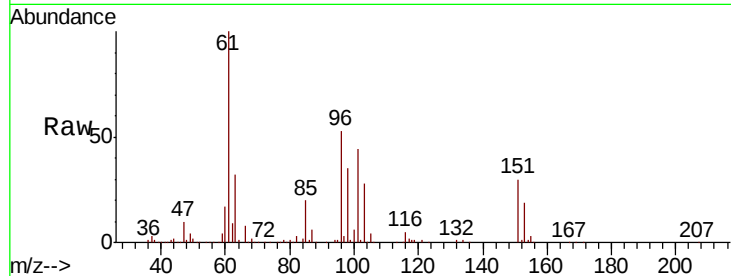




#9
1,1-Dichloroethene
Concen: 10.475 ug/l
RT: 2.28 min Scan# 370
Delta R.T. 0.00 min
Lab File: VU030570.D
Acq: 30 Mar 2019 11:42

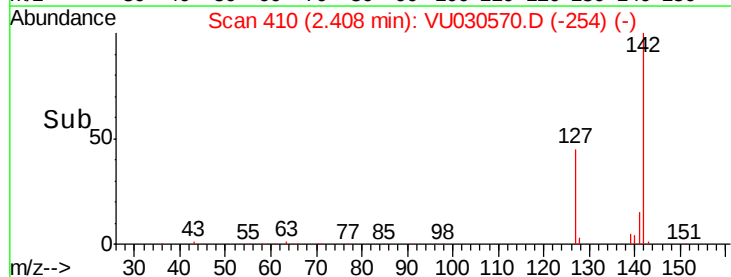
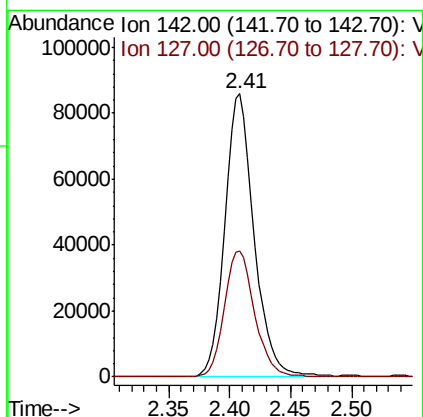
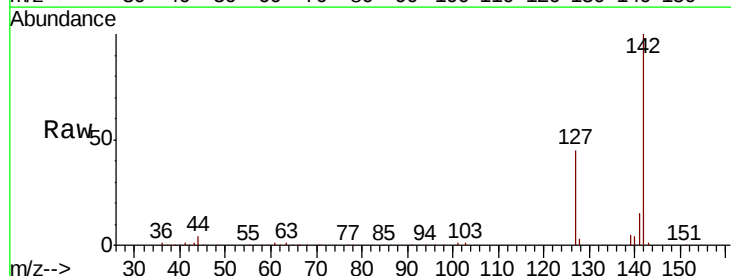
Instrument :
MSVOA_U
ClientSampleId :

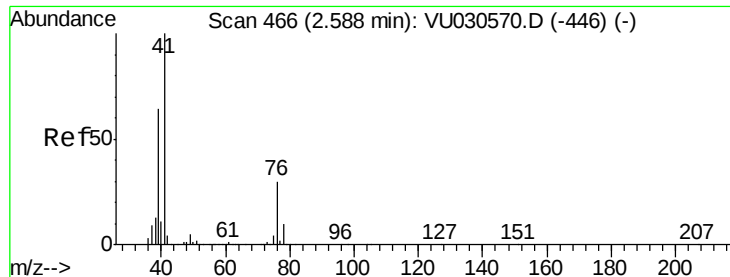
Tot Ion	96	Resp	147250
Ion Ratio	Lower	Upper	
96	100		
61	189.0	0.0	567.0
98	66.1	0.0	132.2



#10
Iodomethane
Concen: 11.967 ug/l
RT: 2.41 min Scan# 410
Delta R.T. 0.00 min
Lab File: VU030570.D
Acq: 30 Mar 2019 11:42

Tgt Ion	142	Resp	144621
Ion Ratio	Lower	Upper	
142	100		
127	46.0	36.8	55.2





#11

Allvl Chloride

Concen: 14.777 ug/l

RT: 2.59 min Scan# 466

Delta R.T. 0.00 min

Lab File: VU030570.D

Acq: 30 Mar 2019 11:42

Instrument :

MSVOA_U

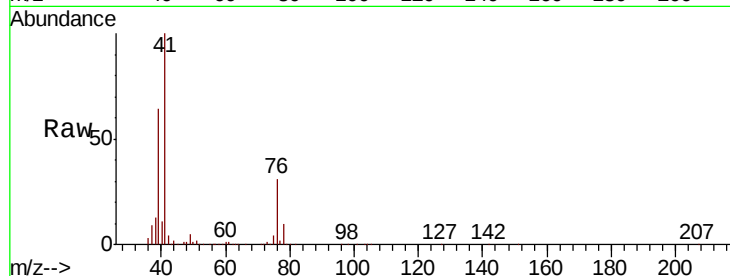
ClientSampled :

Tot Ion: 41 Resp: 322020

Ion Ratio Lower Upper

41 100

39 64.7 51.8 77.6



Abundance Ion 41.00 (40.70 to 41.70): VU030570.D (-446) (-)

Ion 39.00 (38.70 to 39.70): VU030570.D (-446) (-)

2.59

200000

150000

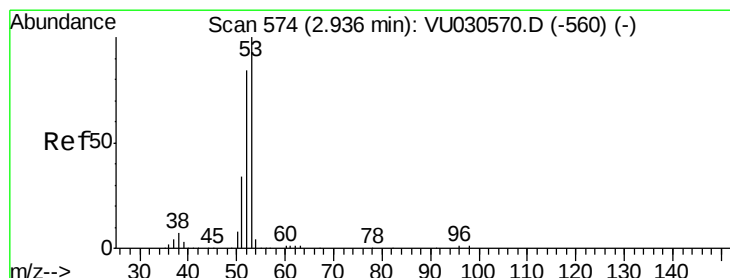
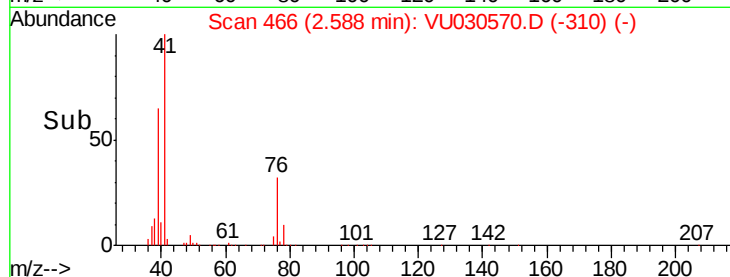
100000

50000

0

2.50 2.55 2.60 2.65

Time-->



#12

Acrylonitrile

Concen: 25.253 ug/l

RT: 2.94 min Scan# 574

Delta R.T. 0.00 min

Lab File: VU030570.D

Acq: 30 Mar 2019 11:42

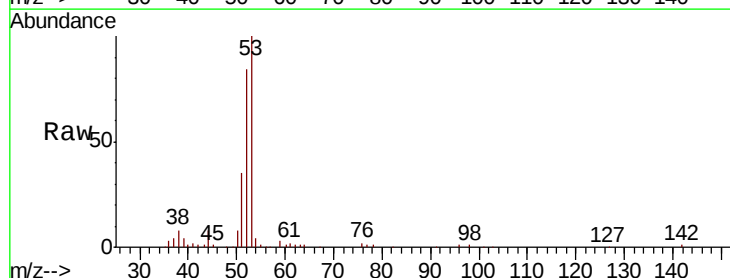
Tgt Ion: 53 Resp: 80776

Ion Ratio Lower Upper

53 100

52 86.4 69.1 103.7

51 34.9 27.9 41.9



Abundance Ion 53.00 (52.70 to 53.70): VU030570.D (-560) (-)

Ion 52.00 (51.70 to 52.70): VU030570.D (-560) (-)

Ion 51.00 (50.70 to 51.70): VU030570.D (-560) (-)

2.94

50000

40000

30000

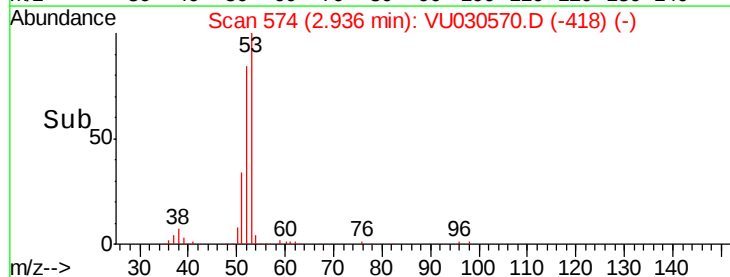
20000

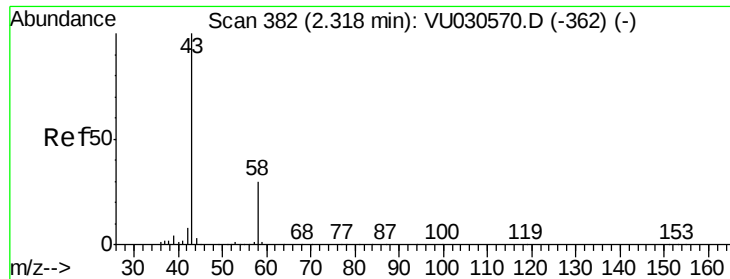
10000

0

2.85 2.90 2.95 3.00

Time-->





#13

Acetone

Concen: 64.366 ug/l

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU030570.D

Acq: 30 Mar 2019 11:42

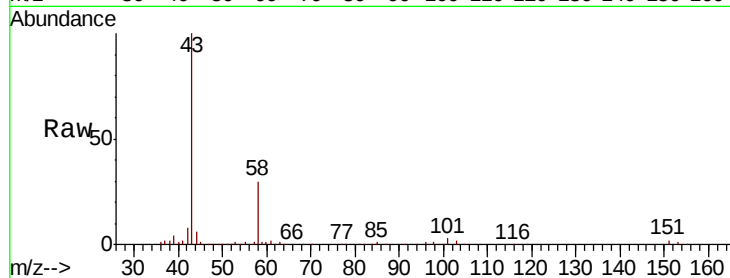
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 182080

Ion Ratio Lower Upper

43 100

58 30.3 24.2 36.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

2.32

120000

100000

80000

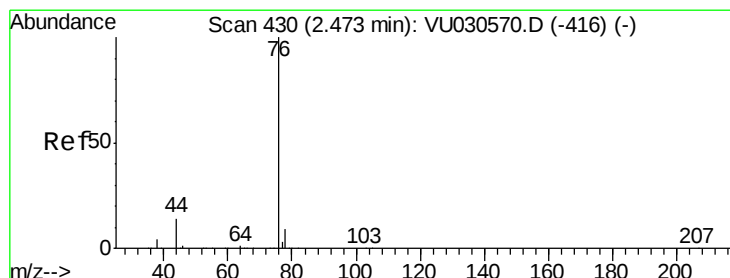
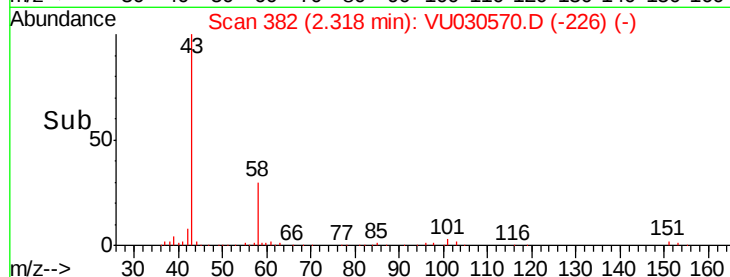
60000

40000

20000

0

Time--> 2.20 2.30 2.40



#14

Carbon Disulfide

Concen: 10.876 ug/l

RT: 2.47 min Scan# 430

Delta R.T. 0.00 min

Lab File: VU030570.D

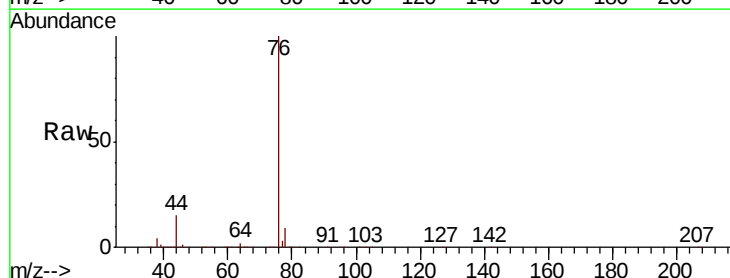
Acq: 30 Mar 2019 11:42

Tgt Ion: 76 Resp: 537900

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0

2.47

400000

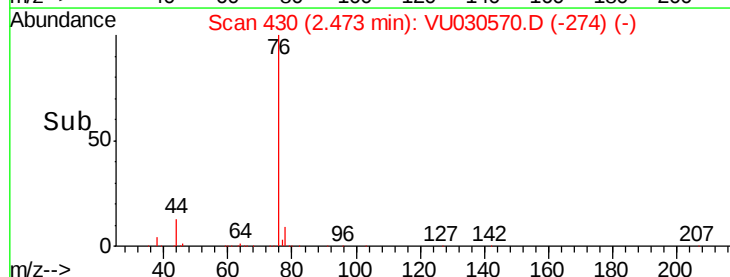
300000

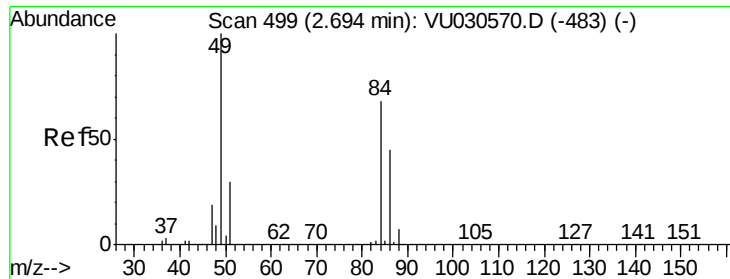
200000

100000

0

Time--> 2.40 2.45 2.50 2.55

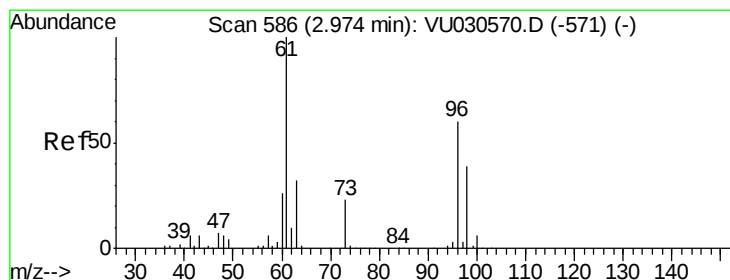
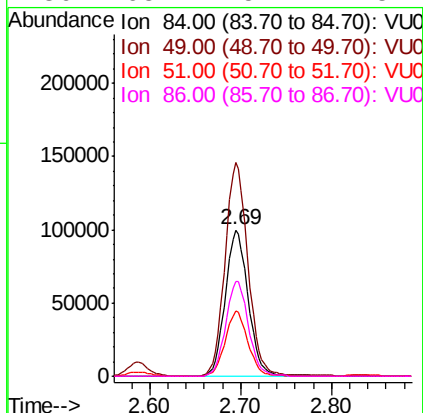
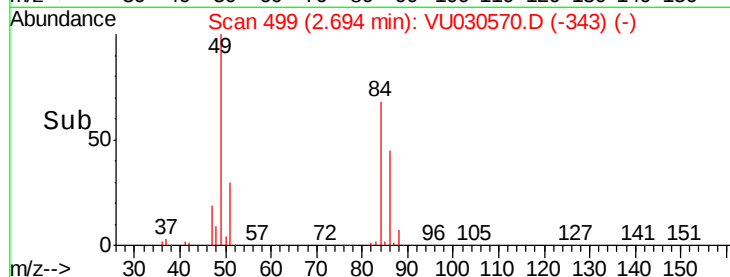
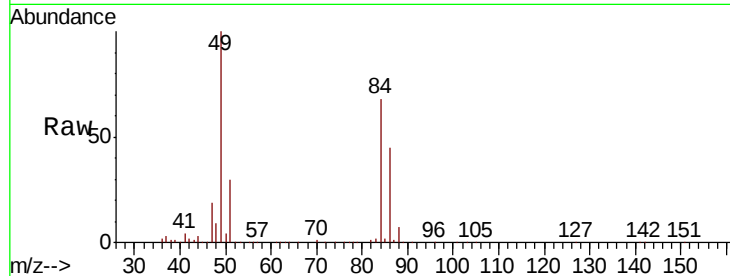




#15
Methvlene Chloride
Concen: 10.378 ug/l
RT: 2.69 min Scan# 499
Delta R.T. 0.00 min
Lab File: VU030570.D
Acq: 30 Mar 2019 11:42

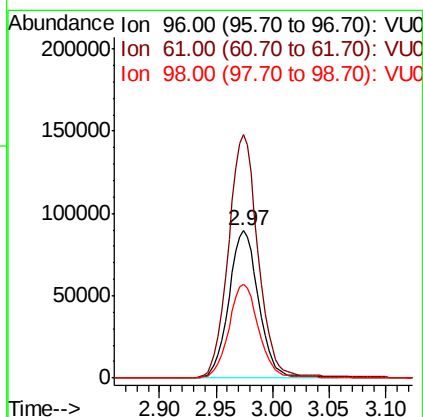
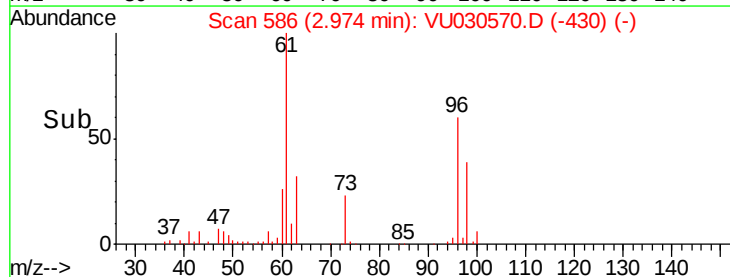
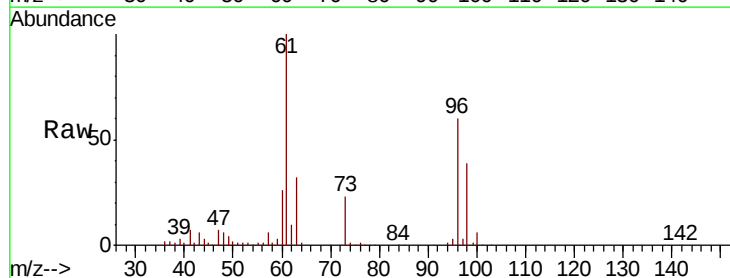
Instrument :
MSVOA_U
ClientSampled :

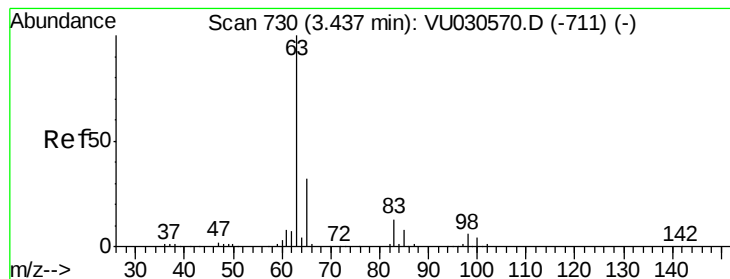
Tot Ion:	84	Resp:	175035
Ion	Ratio	Lower	Upper
84	100		
49	146.3	117.0	175.6
51	44.3	0.0	88.6
86	65.2	52.2	78.2



#16
trans-1,2-Dichloroethene
Concen: 10.133 ug/l
RT: 2.97 min Scan# 586
Delta R.T. 0.00 min
Lab File: VU030570.D
Acq: 30 Mar 2019 11:42

Tgt Ion:	96	Resp:	163763
Ion	Ratio	Lower	Upper
96	100		
61	165.4	132.3	198.5
98	64.1	51.3	76.9





#17

1,1-Dichloroethane

Concen: 12.053 ug/l

RT: 3.44 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU030570.D

Acq: 30 Mar 2019 11:42

Instrument :

MSVOA_U

ClientSampleId :

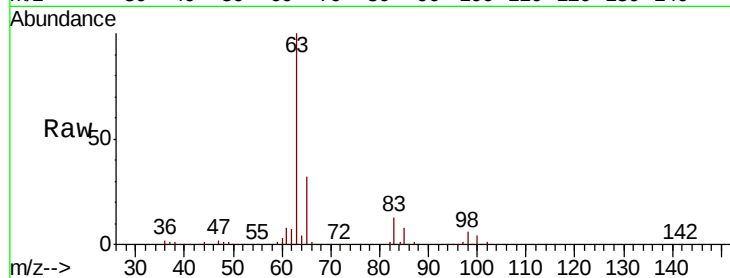
Tot Ion: 63 Resp: 341551

Ion Ratio Lower Upper

63 100

98 6.0 3.0 9.0

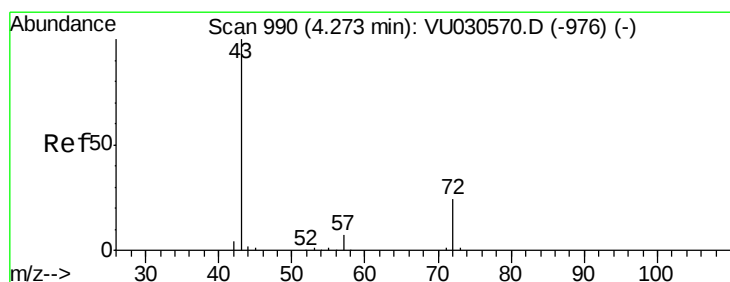
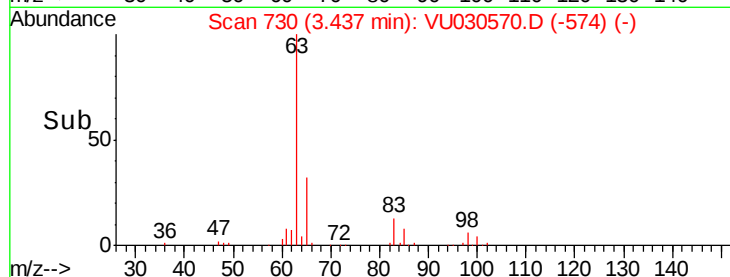
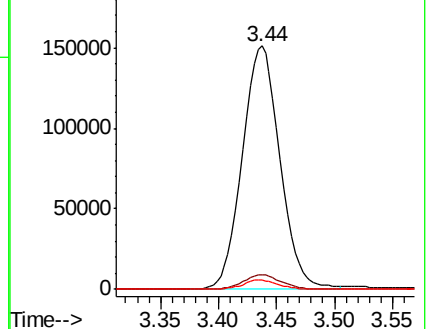
100 3.7 1.8 5.5



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: 69.259 ug/l

RT: 4.27 min Scan# 990

Delta R.T. 0.00 min

Lab File: VU030570.D

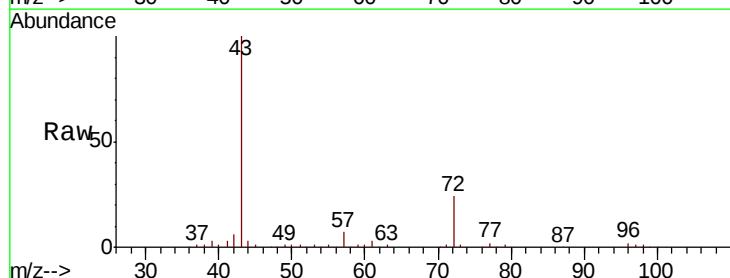
Acq: 30 Mar 2019 11:42

Tgt Ion: 43 Resp: 271757

Ion Ratio Lower Upper

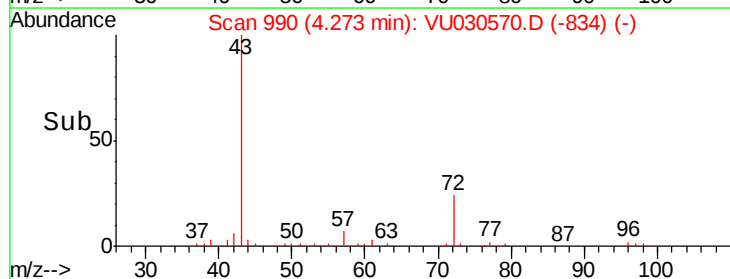
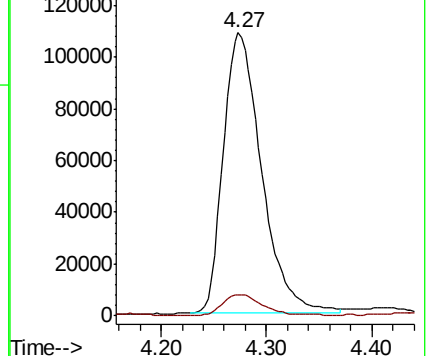
43 100

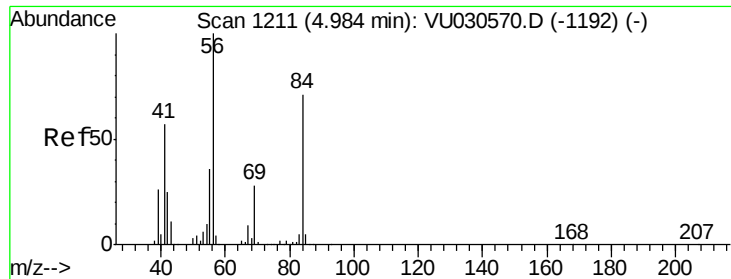
57 7.2 0.0 14.4



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

Ion 57.00 (56.70 to 57.70): VU030570.D (-976) (-)

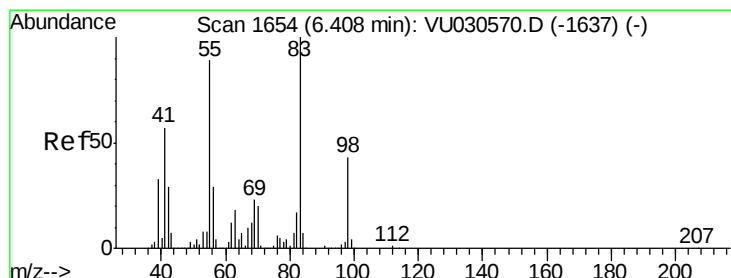
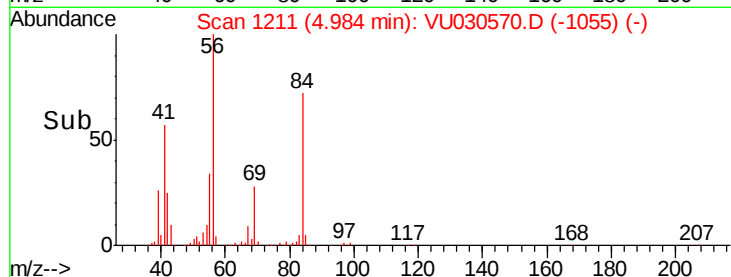
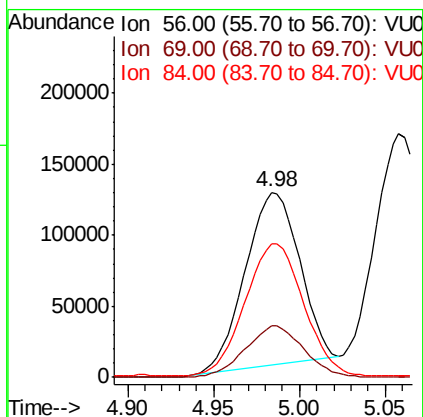
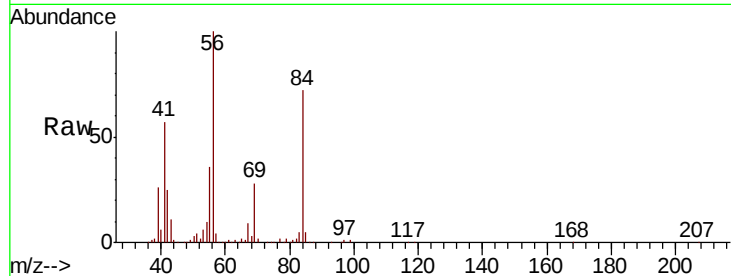




#19
Cyclohexane
Concen: 10.987 ug/l
RT: 4.98 min Scan# 1211
Delta R.T. 0.00 min
Lab File: VU030570.D
Acq: 30 Mar 2019 11:42

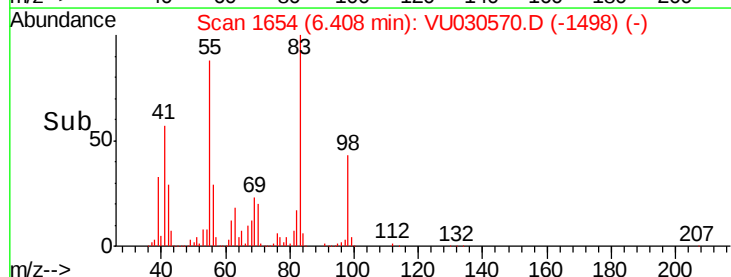
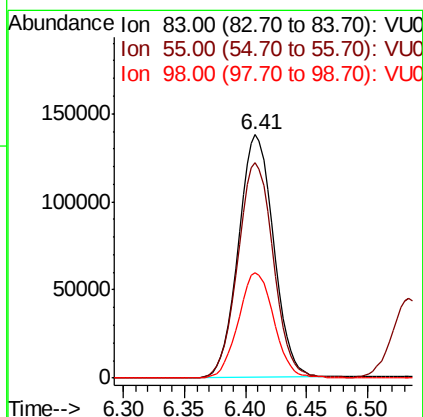
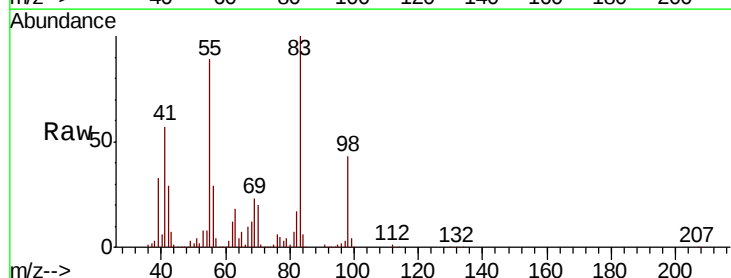
Instrument :
MSVOA_U
ClientSampled :

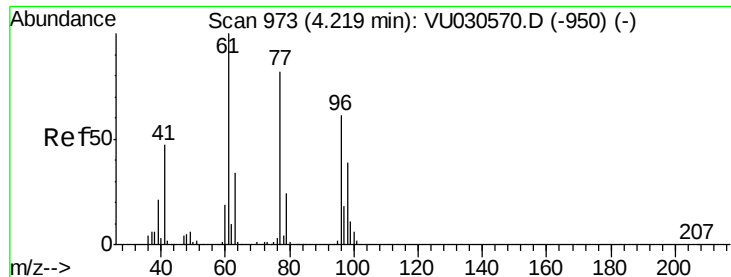
Tot Ion	56	Resp	267863
Ion	Ratio	Lower	Upper
56	100		
69	32.1	22.3	33.5
84	83.0	57.6	86.4



#20
Methylcyclohexane
Concen: 10.623 ug/l
RT: 6.41 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VU030570.D
Acq: 30 Mar 2019 11:42

Tgt Ion	83	Resp	273503
Ion	Ratio	Lower	Upper
83	100		
55	90.0	72.0	108.0
98	43.7	35.0	52.4





#21

2,2-Dichloropropane

Concen: 11.192 ug/l

RT: 4.22 min Scan# 973

Delta R.T. 0.00 min

Lab File: VU030570.D

Acq: 30 Mar 2019 11:42

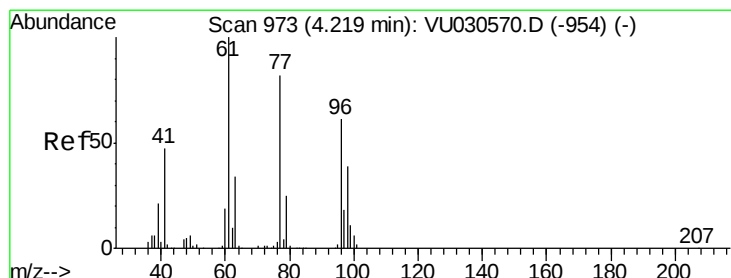
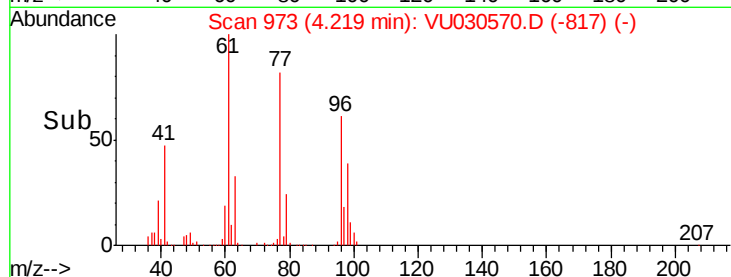
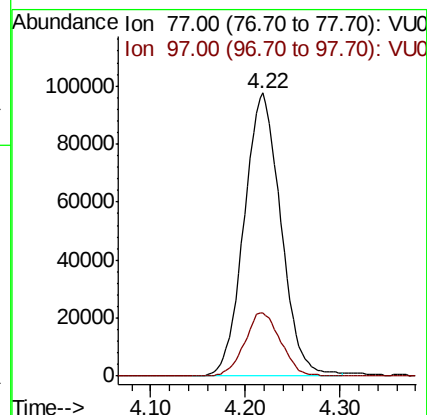
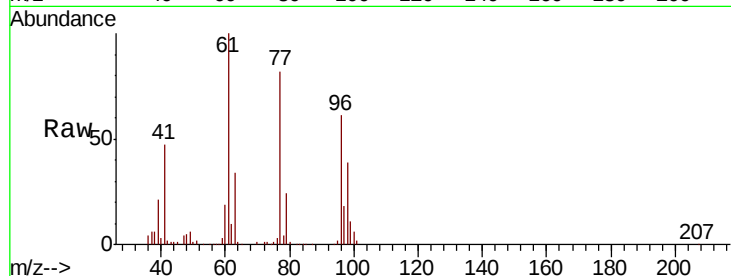
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 77 Resp: 263190

Ion Ratio Lower Upper

77 100

97 22.0 17.6 26.4



#22

cis-1,2-Dichloroethene

Concen: 10.121 ug/l

RT: 4.22 min Scan# 973

Delta R.T. 0.00 min

Lab File: VU030570.D

Acq: 30 Mar 2019 11:42

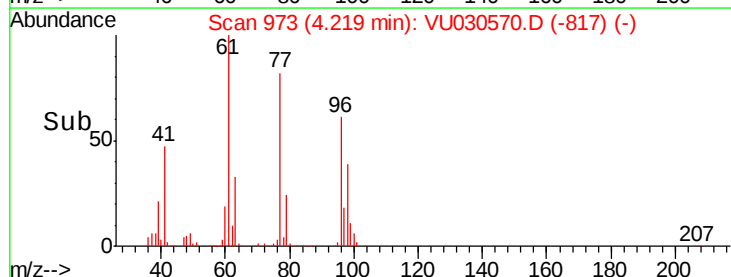
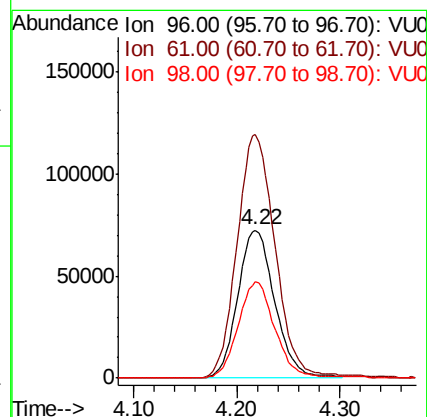
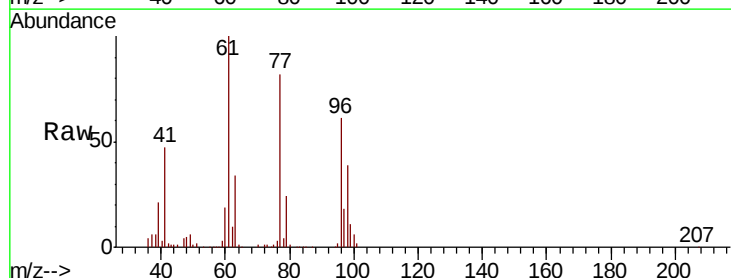
Tgt Ion: 96 Resp: 181320

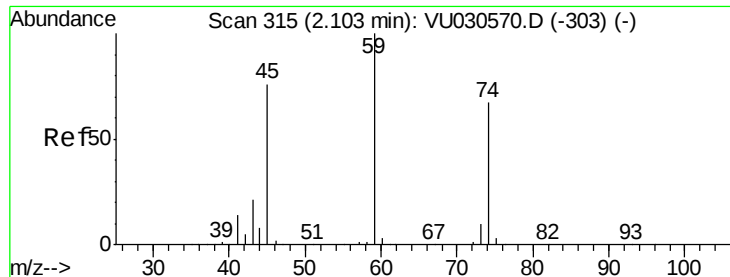
Ion Ratio Lower Upper

96 100

61 170.8 0.0 427.0

98 64.9 32.5 97.4

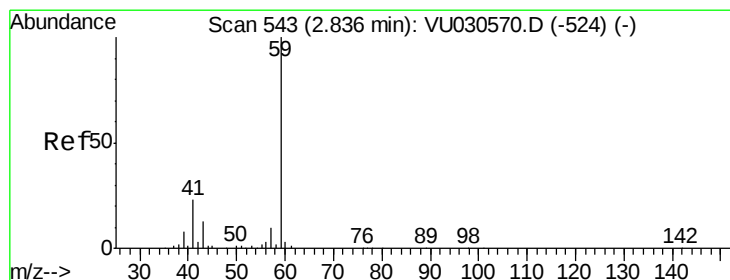
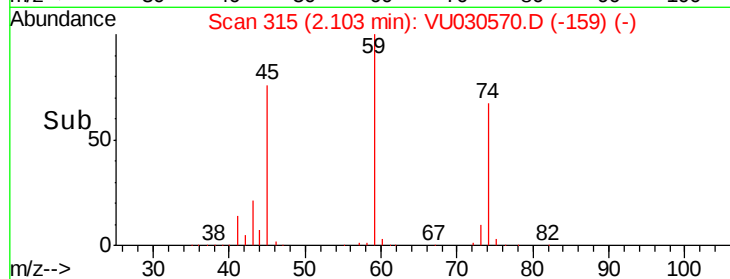
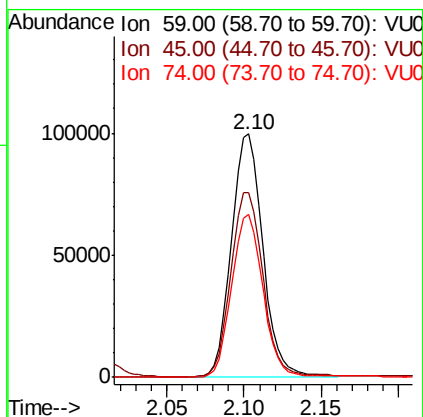
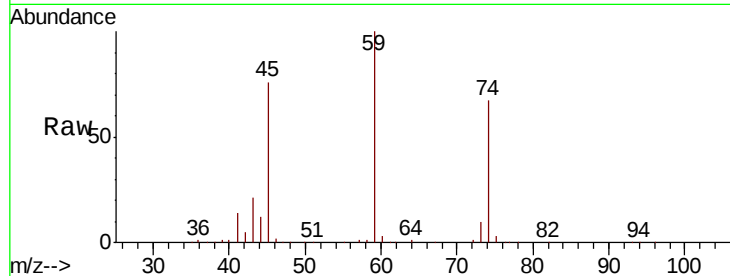




#23
Diethyl Ether
Concen: 12.798 ug/l
RT: 2.10 min Scan# 315
Delta R.T. 0.00 min
Lab File: VU030570.D
Acq: 30 Mar 2019 11:42

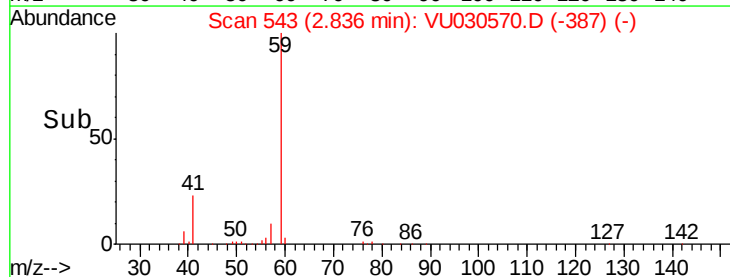
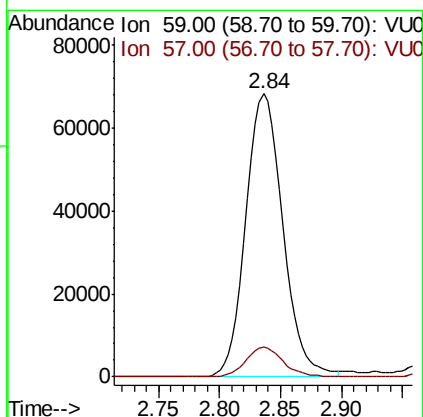
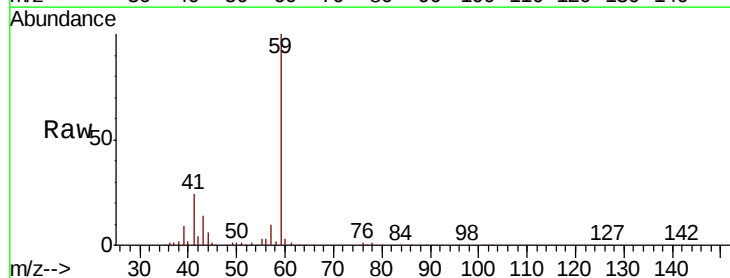
Instrument :
MSVOA_U
ClientSampled :

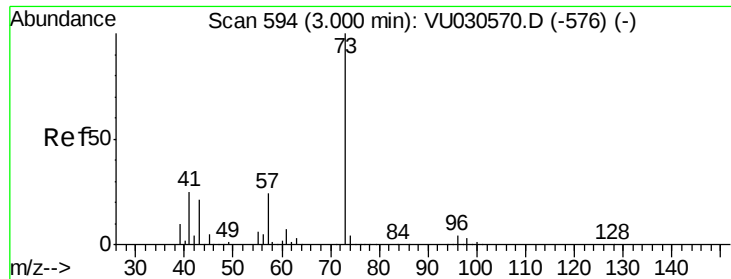
Tot Ion	Ratio	Lower	Upper
59	100		
45	77.0	61.6	92.4
74	66.5	53.2	79.8



#24
tert-Butyl Alcohol
Concen: 122.306 ug/l
RT: 2.84 min Scan# 543
Delta R.T. 0.00 min
Lab File: VU030570.D
Acq: 30 Mar 2019 11:42

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.4	12.6

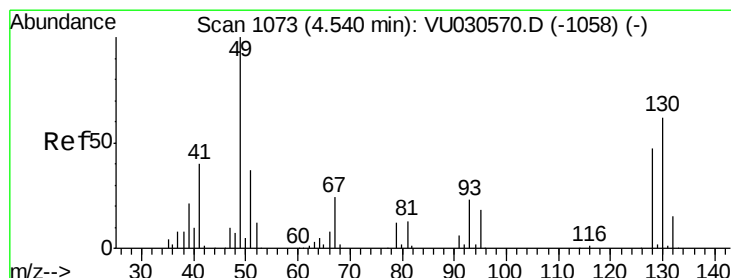
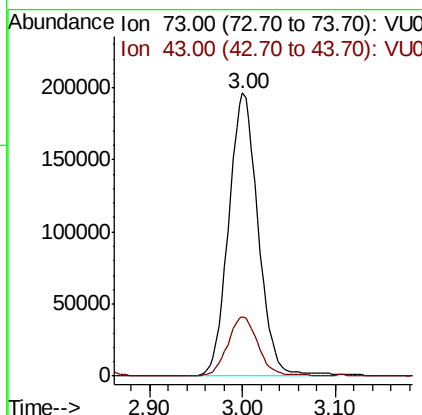
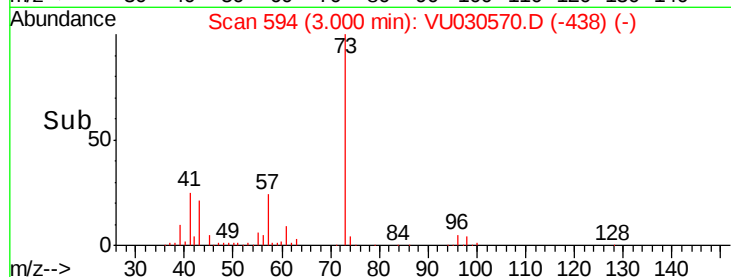
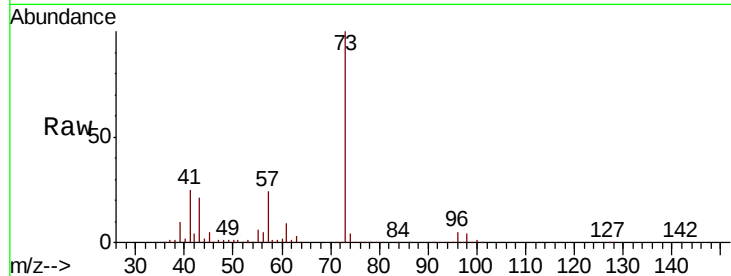




#25
Methyl tert-Butyl Ether
Concen: 11.869 ug/l
RT: 3.00 min Scan# 594
Delta R.T. 0.00 min
Lab File: VU030570.D
Acq: 30 Mar 2019 11:42

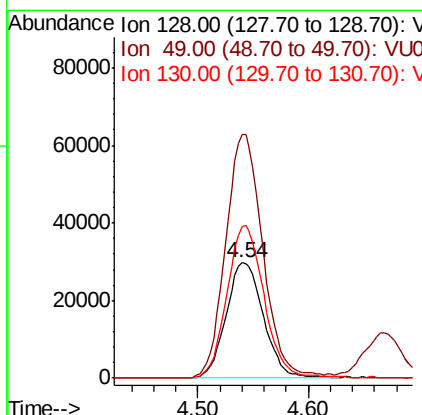
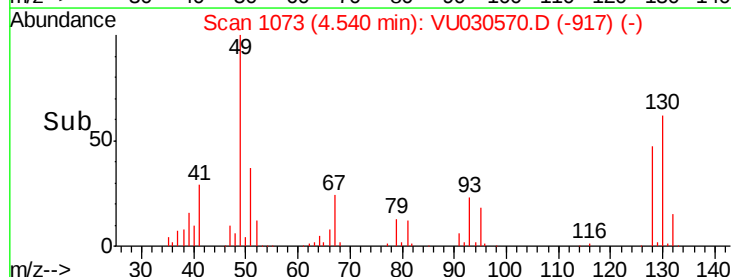
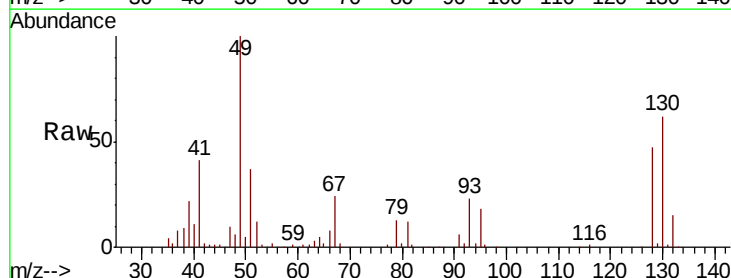
Instrument :
MSVOA_U
ClientSampleId :

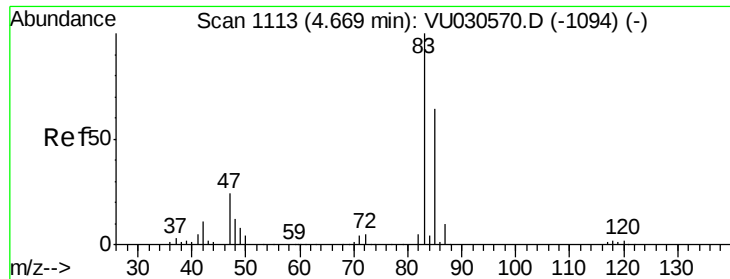
Tot Ion: 73 Resp: 433851
Ion Ratio Lower Upper
73 100
43 20.7 16.6 24.8



#26
Bromochloromethane
Concen: 9.090 ug/l
RT: 4.54 min Scan# 1073
Delta R.T. 0.00 min
Lab File: VU030570.D
Acq: 30 Mar 2019 11:42

Tgt Ion: 128 Resp: 70040
Ion Ratio Lower Upper
128 100
49 209.1 0.0 418.2
130 129.2 103.4 155.0

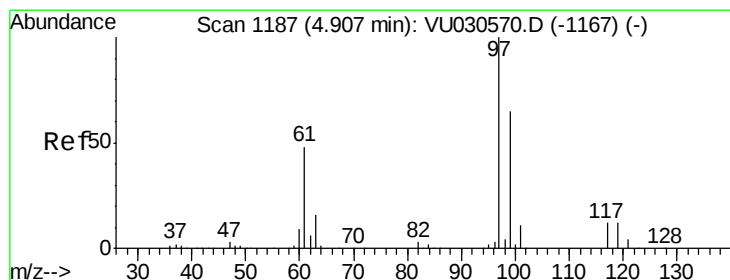
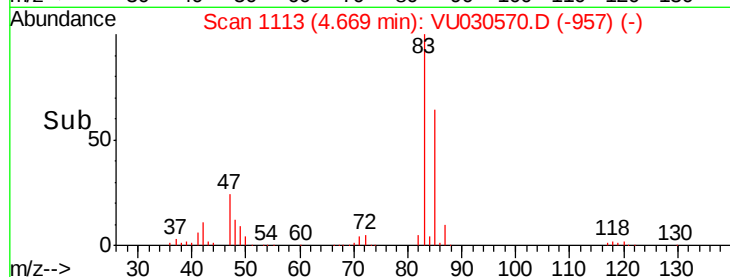
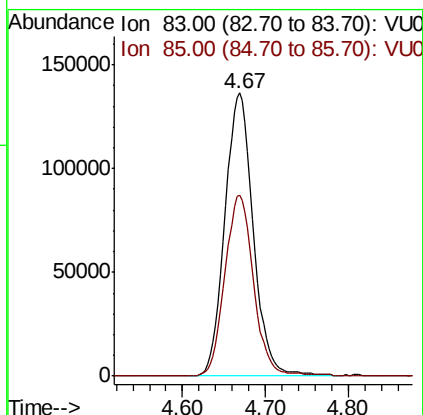
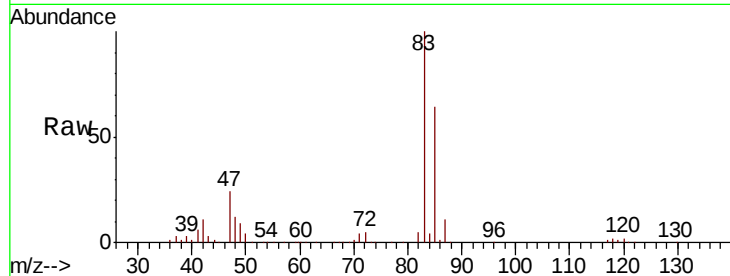




#27
Chloroform
Concen: 11.072 ug/l
RT: 4.67 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VU030570.D
Acq: 30 Mar 2019 11:42

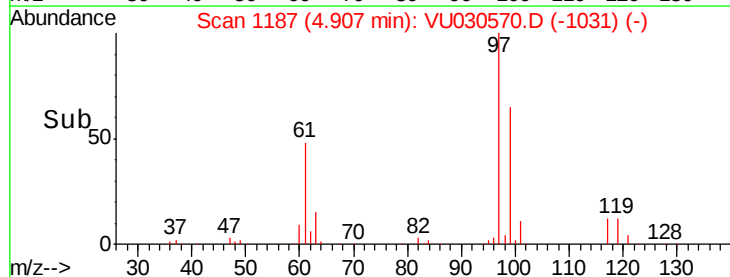
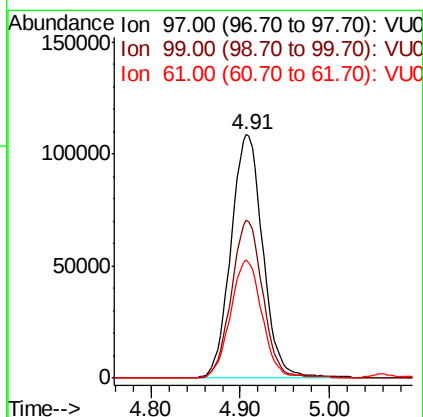
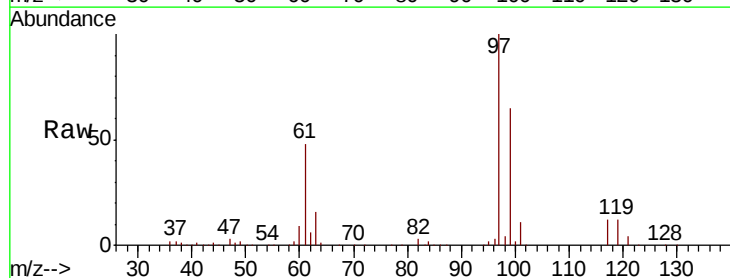
Instrument :
MSVOA_U
ClientSampleId :

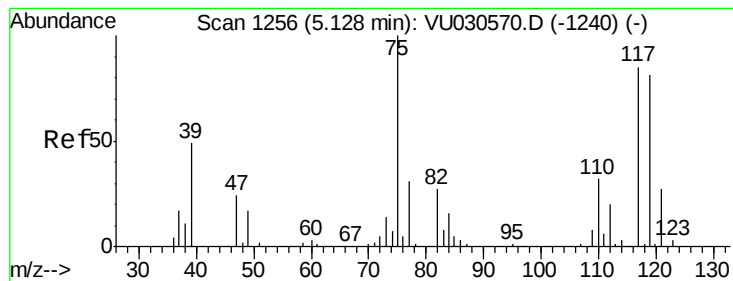
Tot Ion: 83 Resp: 325573
Ion Ratio Lower Upper
83 100
85 64.2 0.0 128.4



#28
1,1,1-Trichloroethane
Concen: 11.226 ug/l
RT: 4.91 min Scan# 1187
Delta R.T. 0.00 min
Lab File: VU030570.D
Acq: 30 Mar 2019 11:42

Tgt Ion: 97 Resp: 269440
Ion Ratio Lower Upper
97 100
99 64.0 32.0 96.0
61 48.0 24.0 72.0





#29

1,1-Dichloropropene

Concen: 11.110 ug/l

RT: 5.13 min Scan# 1256

Delta R.T. 0.00 min

Lab File: VU030570.D

Acq: 30 Mar 2019 11:42

Instrument :
MSVOA_U
ClientSampleId :

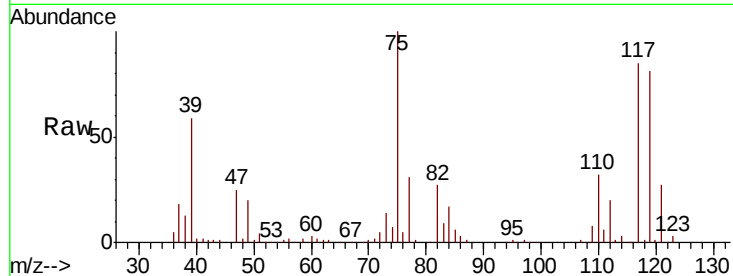
Tot Ion: 75 Resp: 242354

Ion Ratio Lower Upper

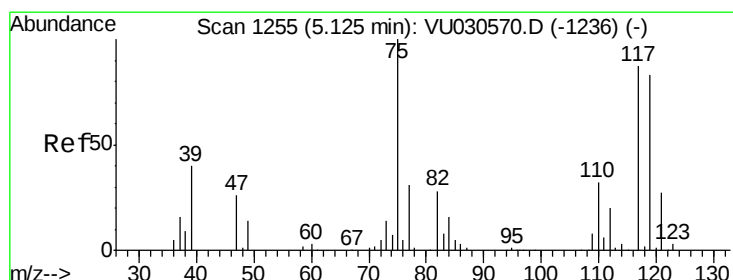
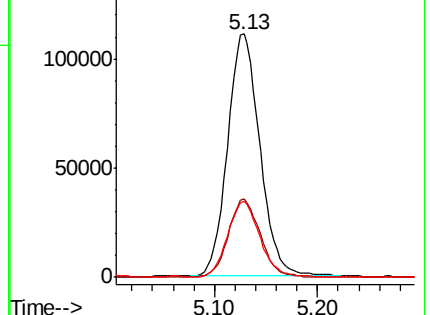
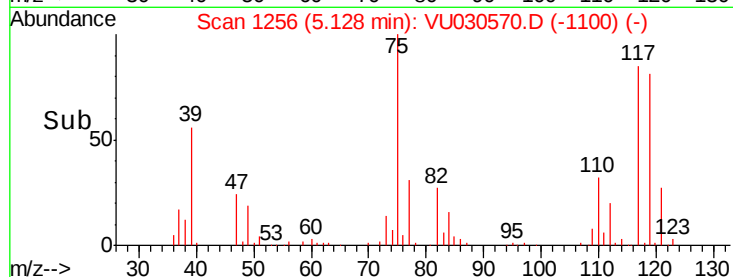
75 100

110 32.0 16.0 48.0

77 31.0 24.8 37.2



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



#30

Carbon Tetrachloride

Concen: 10.736 ug/l

RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VU030570.D

Acq: 30 Mar 2019 11:42

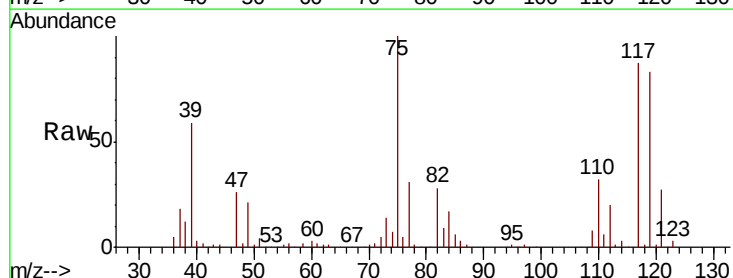
Tgt Ion: 117 Resp: 228430

Ion Ratio Lower Upper

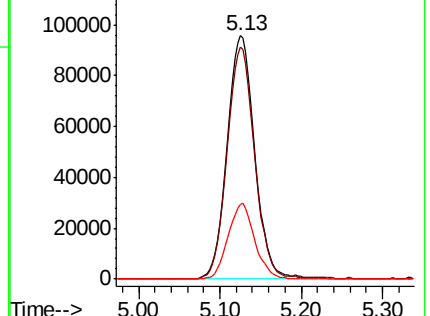
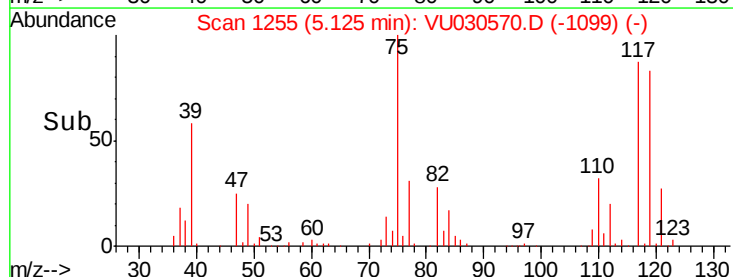
117 100

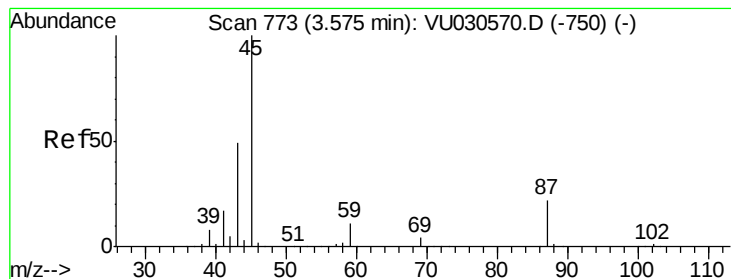
119 95.5 76.4 114.6

121 30.9 24.7 37.1



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





#31

Isopropyl Ether

Concen: 13.898 ug/l

RT: 3.58 min Scan# 773

Delta R.T. 0.00 min

Lab File: VU030570.D

Acq: 30 Mar 2019 11:42

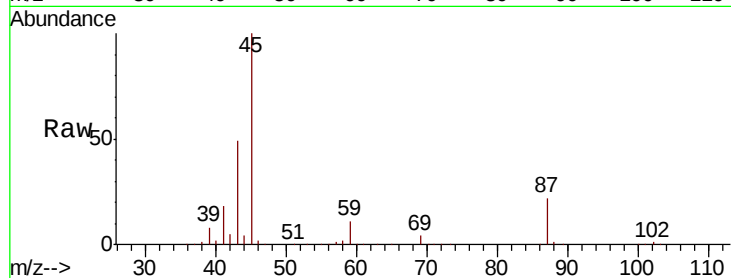
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 45 Resp: 575982

Ion Ratio Lower Upper

45 100

43 50.0 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) (-)

250000

200000

150000

100000

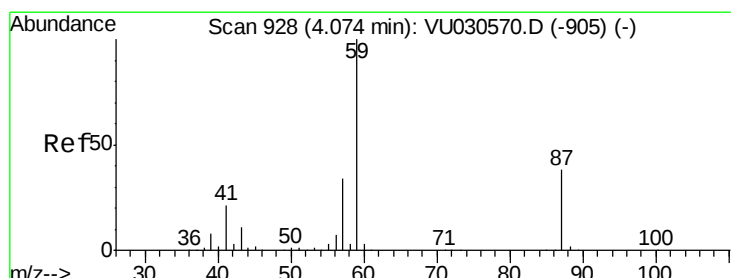
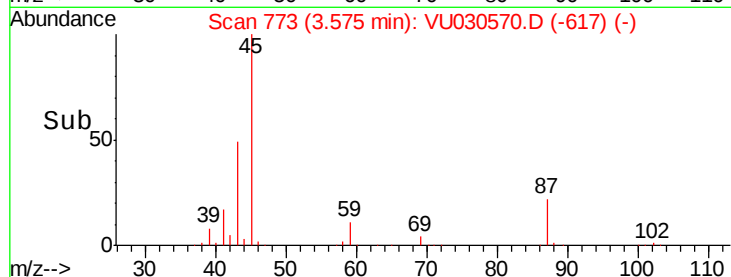
50000

0

3.58

3.50 3.60 3.70

Time-->



#32

Ethyl-t-butyl ether

Concen: 12.227 ug/l

RT: 4.07 min Scan# 928

Delta R.T. 0.00 min

Lab File: VU030570.D

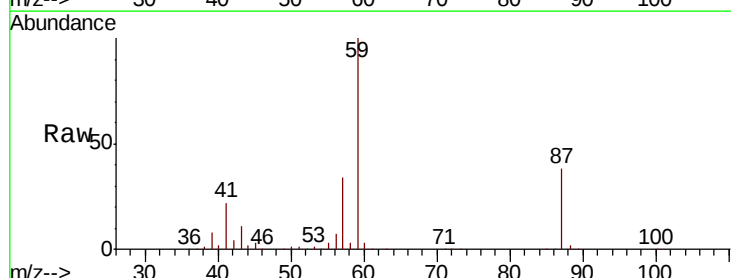
Acq: 30 Mar 2019 11:42

Tgt Ion: 59 Resp: 469141

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) (-)

200000

150000

100000

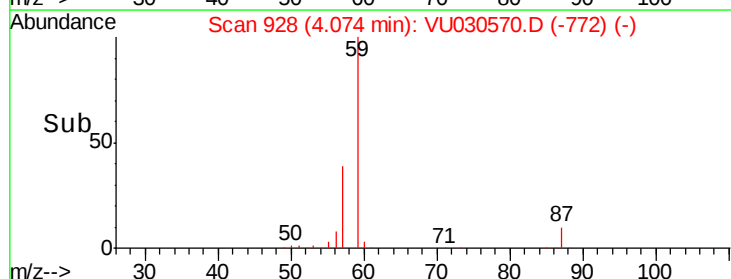
50000

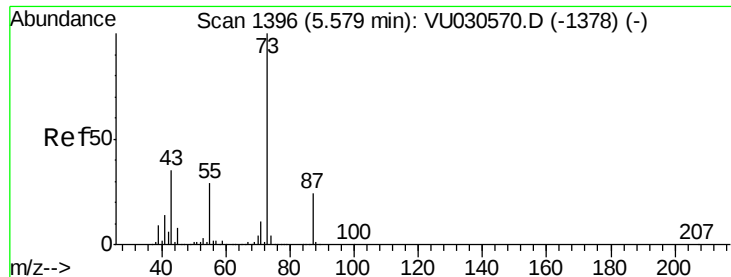
0

4.07

4.00 4.10 4.20

Time-->

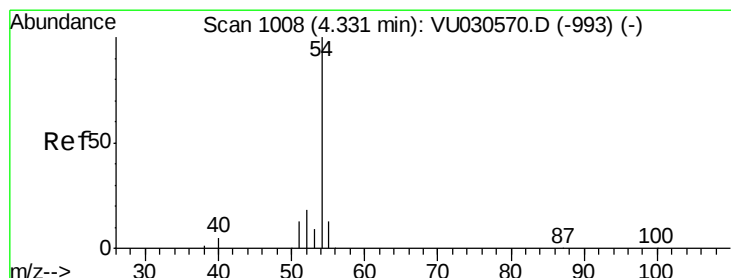
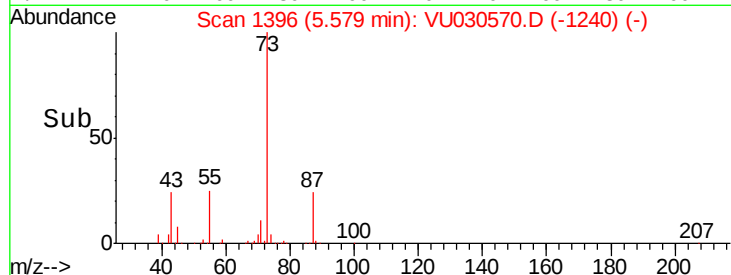
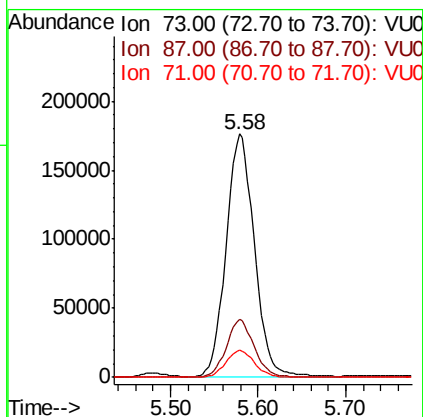
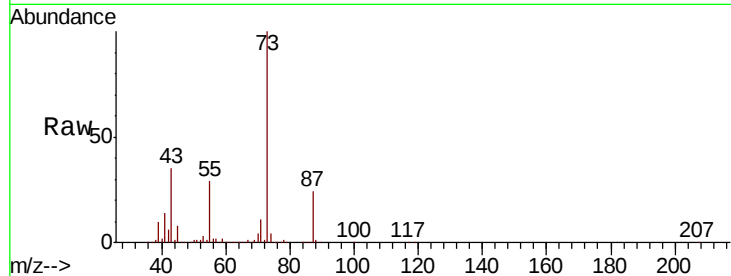




#33
Tert-Butyl methyl ether
Concen: 11.419 ug/l
RT: 5.58 min Scan# 1396
Delta R.T. 0.00 min
Lab File: VU030570.D
Acq: 30 Mar 2019 11:42

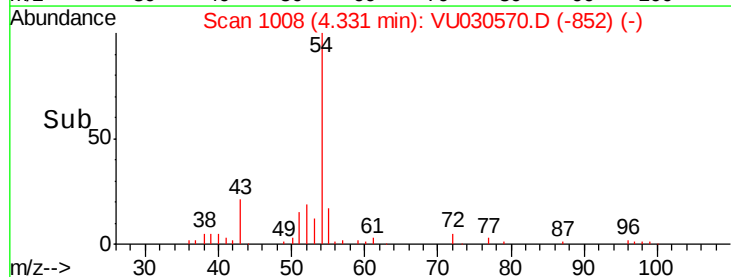
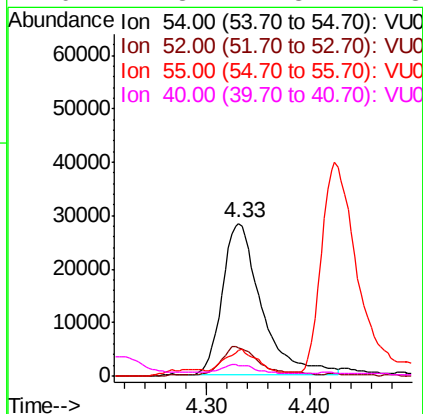
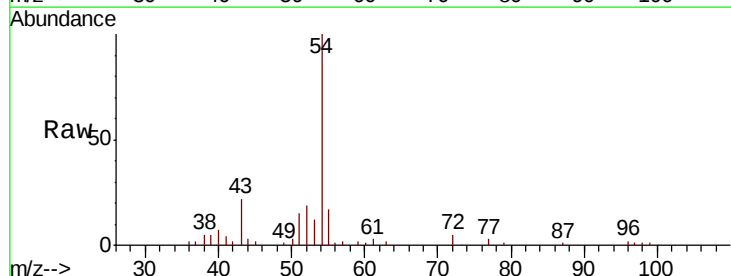
Instrument :
MSVOA_U
ClientSampleId :

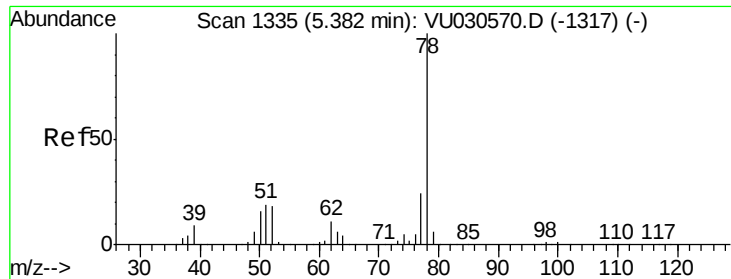
Tot Ion: 73 Resp: 393672
Ion Ratio Lower Upper
73 100
87 23.2 18.6 27.8
71 11.2 9.0 13.4



#34
Propionitrile
Concen: 68.812 ug/l
RT: 4.33 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VU030570.D
Acq: 30 Mar 2019 11:42

Tgt Ion: 54 Resp: 74861
Ion Ratio Lower Upper
54 100
52 17.6 14.1 21.1
55 13.0 10.4 15.6
40 2.3 1.8 2.8





#35

Benzene

Concen: 11.210 ug/l

RT: 5.38 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VU030570.D

Acq: 30 Mar 2019 11:42

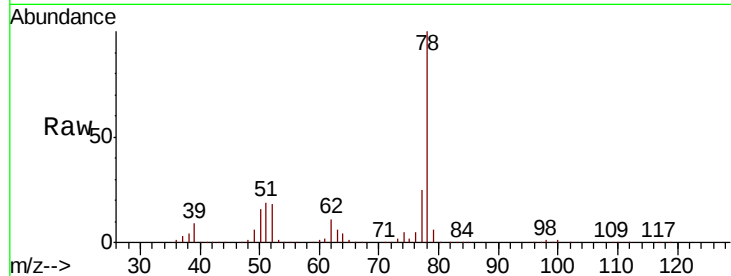
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 78 Resp: 717821

Ion Ratio Lower Upper

78 100

77 24.4 19.5 29.3



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

Ion 77.00 (76.70 to 77.70): VU030570.D (-1317) (-)

5.38

300000

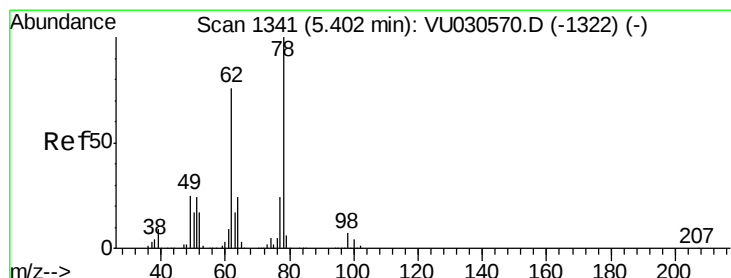
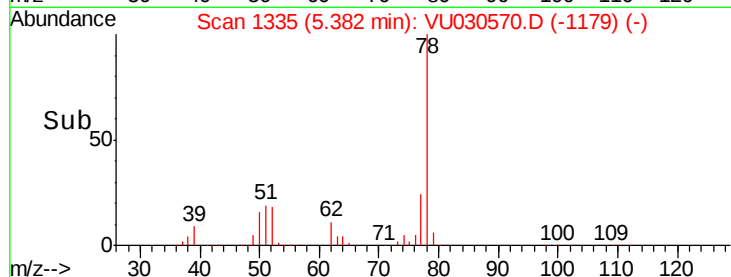
200000

100000

0

Time-->

5.30 5.40 5.50



#36

1,2-Dichloroethane

Concen: 12.177 ug/l

RT: 5.40 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VU030570.D

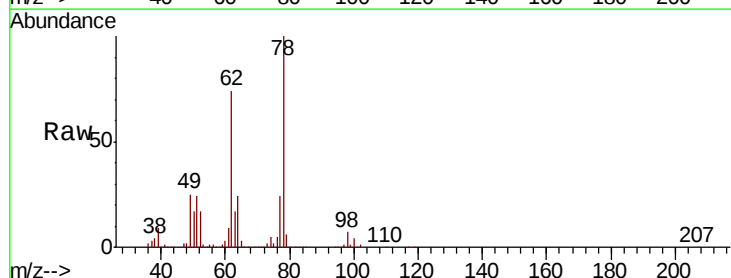
Acq: 30 Mar 2019 11:42

Tgt Ion: 62 Resp: 214302

Ion Ratio Lower Upper

62 100

98 8.5 6.8 10.2



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

Ion 98.00 (97.70 to 98.70): VU030570.D (-1322) (-)

5.40

100000

80000

60000

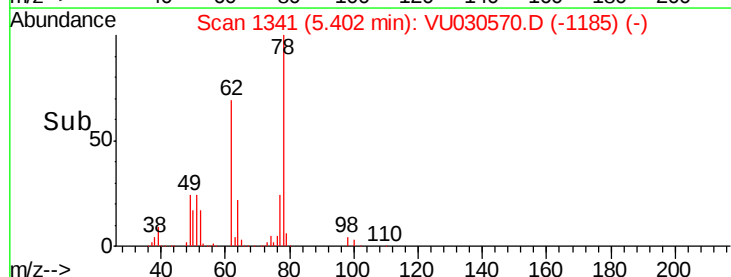
40000

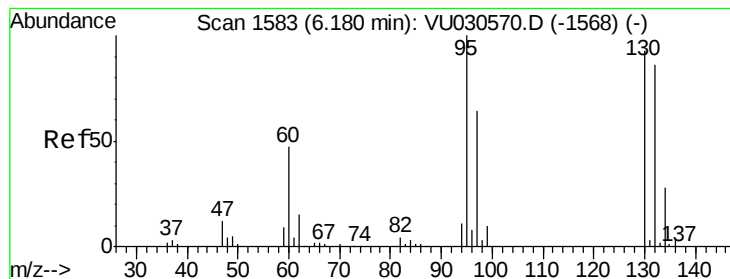
20000

0

Time-->

5.30 5.40 5.50





#37

Trichloroethene

Concen: 9.466 ug/l

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VU030570.D

Acq: 30 Mar 2019 11:42

Instrument :

MSVOA_U

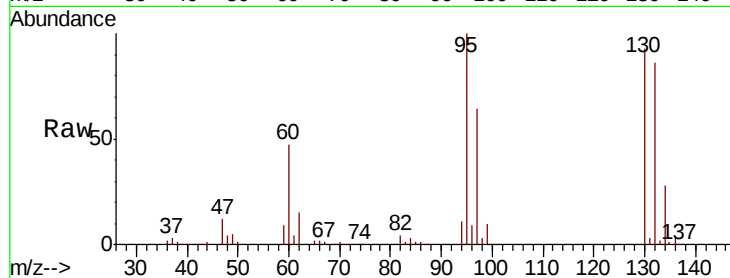
ClientSampleId :

Tot Ion:130 Resp: 169025

Ion Ratio Lower Upper

130 100

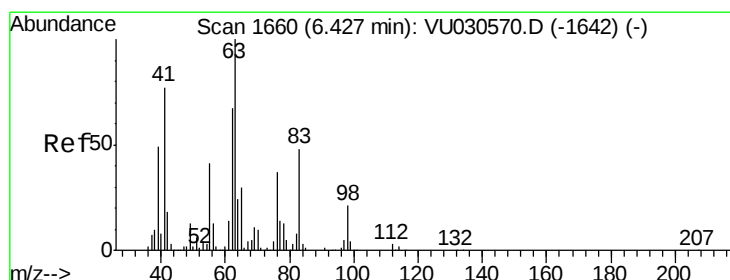
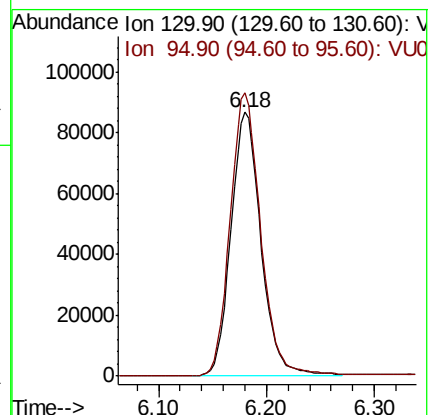
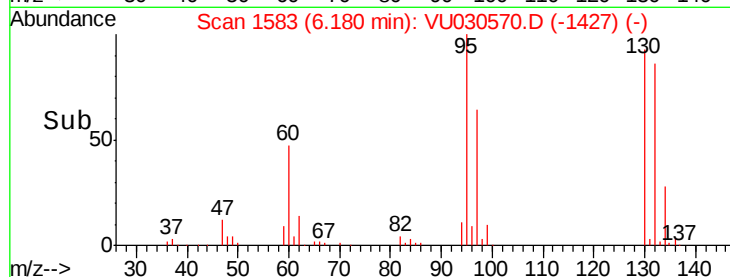
95 107.3 85.8 128.8



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

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

6.18



#38

1,2-Dichloropropane

Concen: 11.924 ug/l

RT: 6.43 min Scan# 1660

Delta R.T. 0.00 min

Lab File: VU030570.D

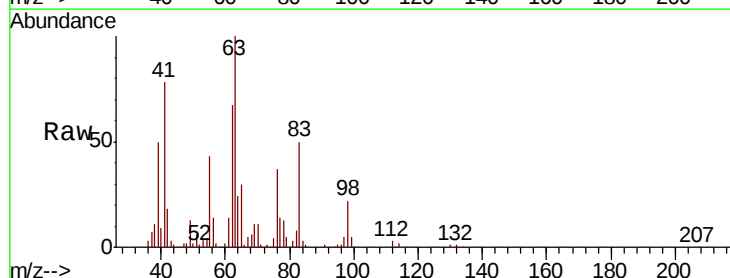
Acq: 30 Mar 2019 11:42

Tgt Ion: 63 Resp: 197362

Ion Ratio Lower Upper

63 100

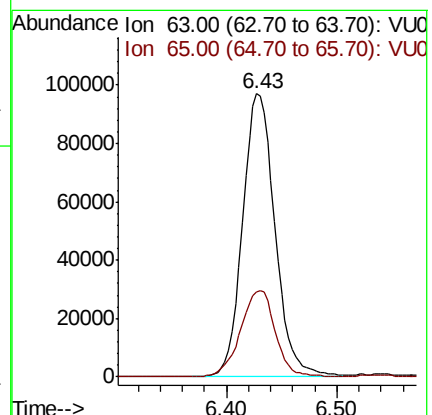
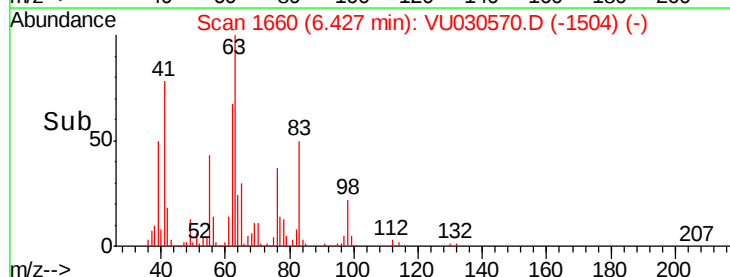
65 29.9 23.9 35.9

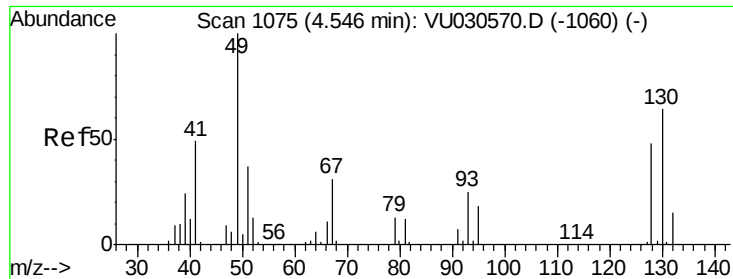


Abundance Ion 63.00 (62.70 to 63.70): VU030570.D (-1642) (-)

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

6.43

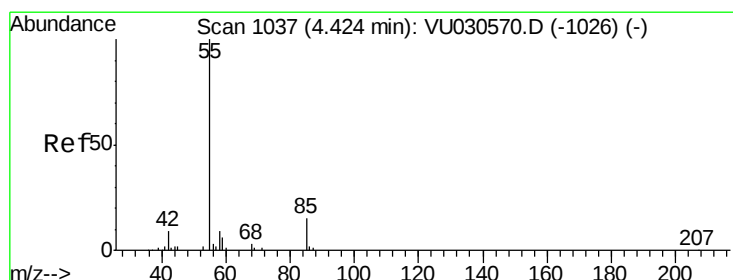
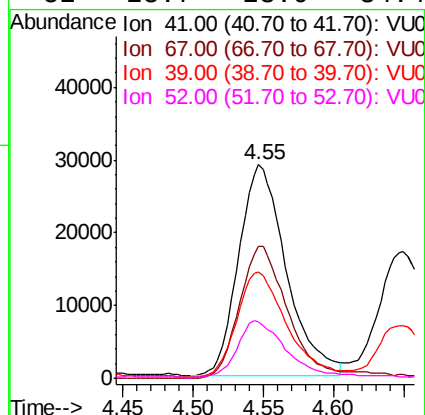
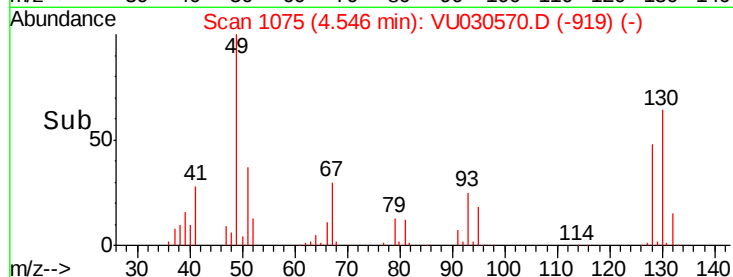
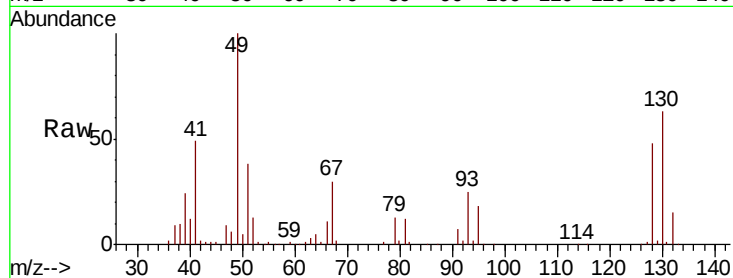




#39
Methacrylonitrile
Concen: 14.294 ug/l
RT: 4.55 min Scan# 1075
Delta R.T. 0.00 min
Lab File: VU030570.D
Acq: 30 Mar 2019 11:42

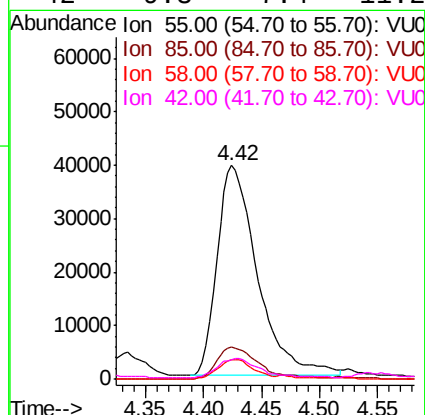
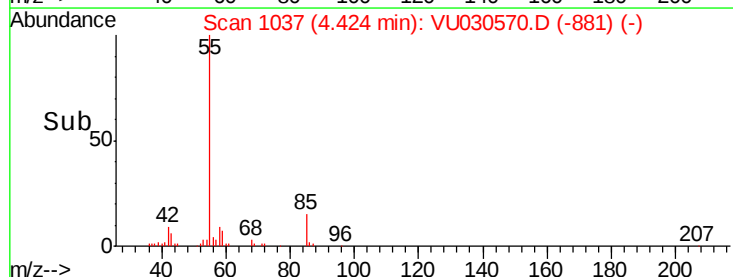
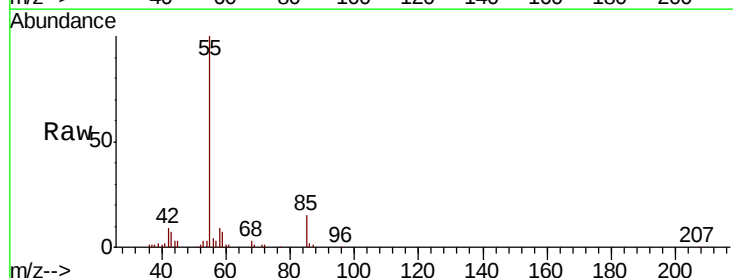
Instrument :
MSVOA_U
ClientSampled :

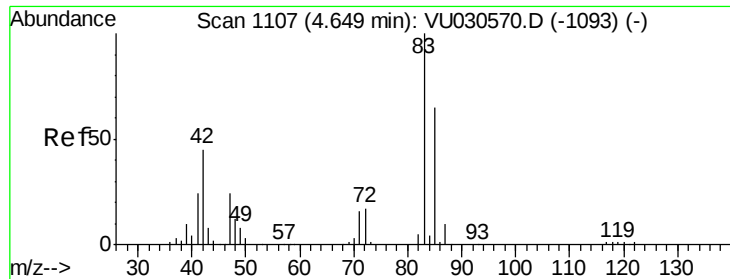
Tot Ion:	41	Resp:	69155
Ion	Ratio	Lower	Upper
41	100		
67	62.8	50.2	75.4
39	50.9	40.7	61.1
52	28.7	23.0	34.4



#40
Methyl acrylate
Concen: 13.025 ug/l
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VU030570.D
Acq: 30 Mar 2019 11:42

Tgt Ion:	55	Resp:	95897
Ion	Ratio	Lower	Upper
55	100		
85	15.6	12.5	18.7
58	7.9	6.3	9.5
42	9.3	7.4	11.2

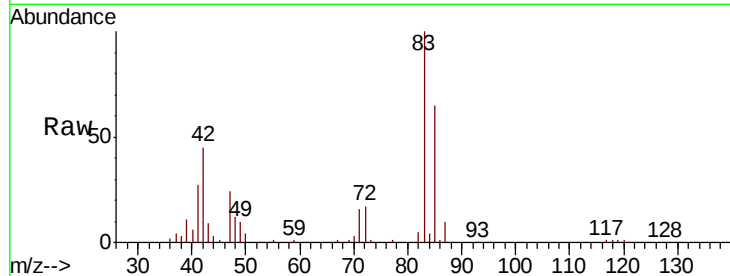




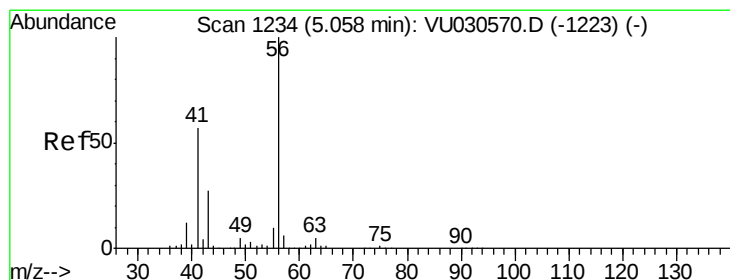
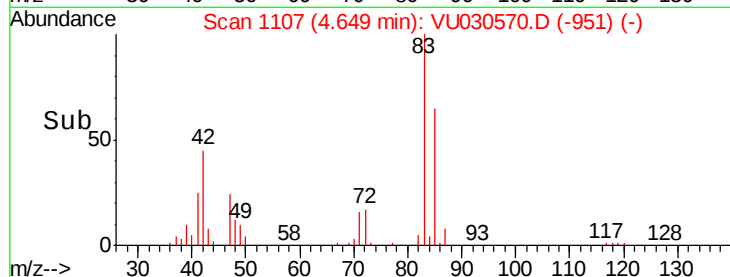
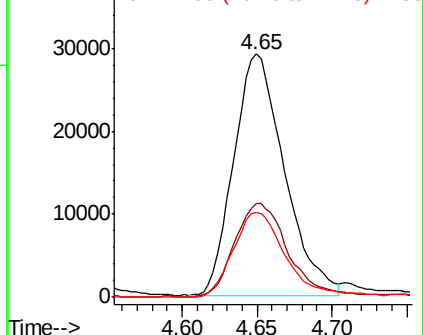
#41
Tetrahydrofuran
Concen: 25.997 ug/l
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU030570.D
Acq: 30 Mar 2019 11:42

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 42 Resp: 68345
Ion Ratio Lower Upper
42 100
72 41.7 33.4 50.0
71 36.0 28.8 43.2

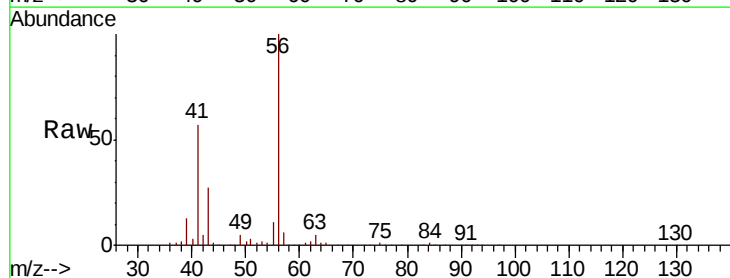


Abundance Ion 42.00 (41.70 to 42.70): VU0
Ion 72.00 (71.70 to 72.70): VU0
Ion 71.00 (70.70 to 71.70): VU0

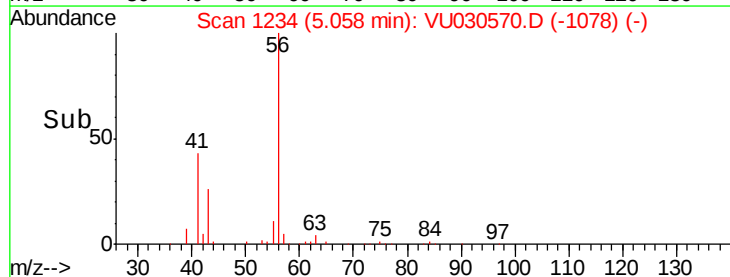
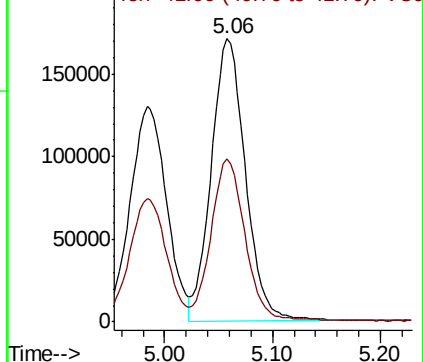


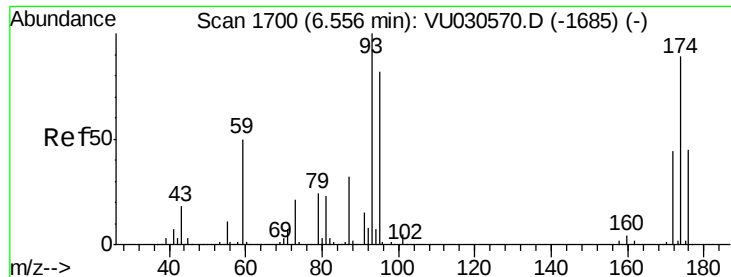
#42
1-Chlorobutane
Concen: 12.716 ug/l
RT: 5.06 min Scan# 1234
Delta R.T. 0.00 min
Lab File: VU030570.D
Acq: 30 Mar 2019 11:42

Tgt Ion: 56 Resp: 375258
Ion Ratio Lower Upper
56 100
41 57.1 28.5 85.6



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

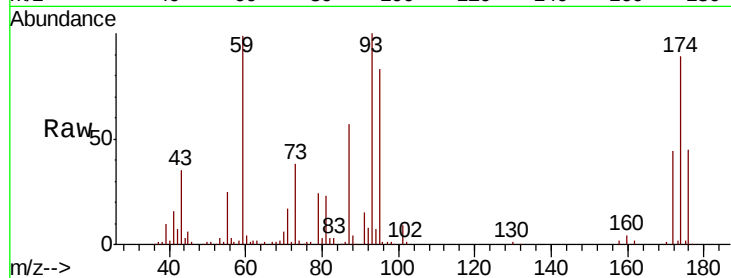




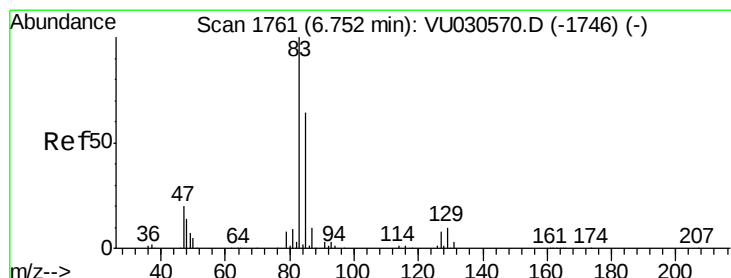
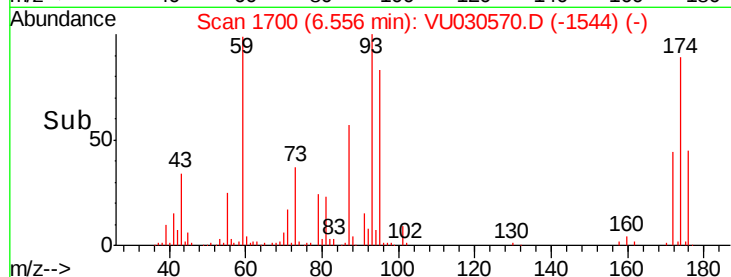
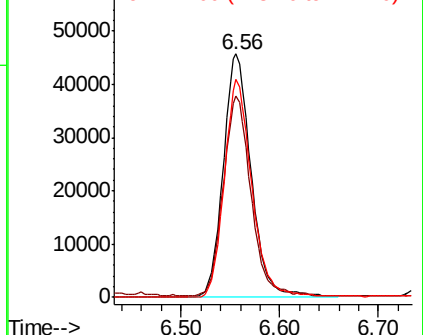
#43
Dibromomethane
Concen: 10.821 ug/l
RT: 6.56 min Scan# 1700
Delta R.T. 0.00 min
Lab File: VU030570.D
Acq: 30 Mar 2019 11:42

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 93 Resp: 90805
Ion Ratio Lower Upper
93 100
95 79.9 63.9 95.9
174 88.7 71.0 106.4

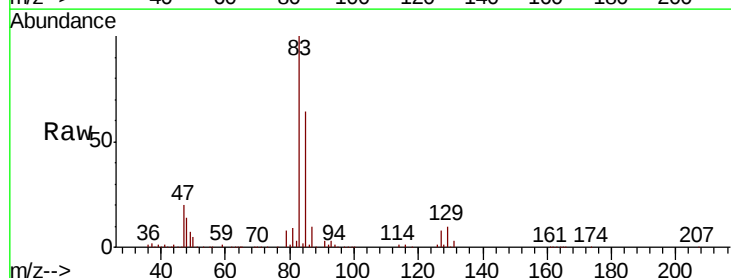


Abundance Ion 93.00 (92.70 to 93.70): VU0
Ion 95.00 (94.70 to 95.70): VU0
Ion 174.00 (173.70 to 174.70): V

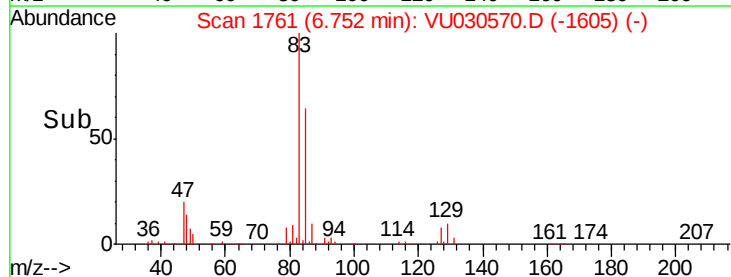
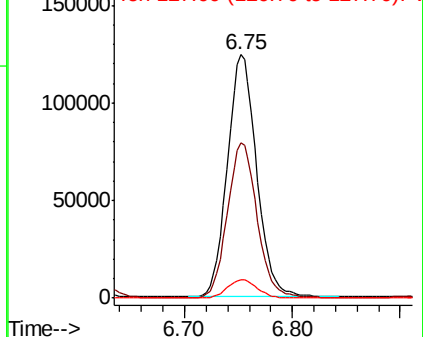


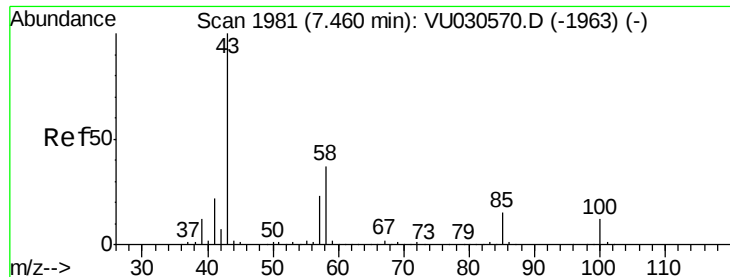
#44
Bromodichloromethane
Concen: 11.584 ug/l
RT: 6.75 min Scan# 1761
Delta R.T. 0.00 min
Lab File: VU030570.D
Acq: 30 Mar 2019 11:42

Tgt Ion: 83 Resp: 234728
Ion Ratio Lower Upper
83 100
85 63.9 51.1 76.7
127 7.6 6.1 9.1



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





#45

4-Methyl-2-Pentanone

Concen: 71.633 ug/l

RT: 7.46 min Scan# 1981

Delta R.T. 0.00 min

Lab File: VU030570.D

Acq: 30 Mar 2019 11:42

Instrument :
MSVOA_U
ClientSampleId :

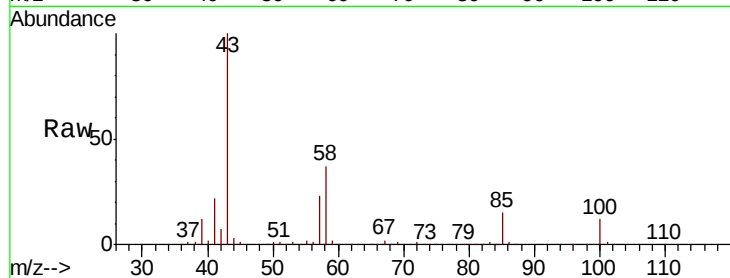
Tot Ion: 43 Resp: 633376

Ion Ratio Lower Upper

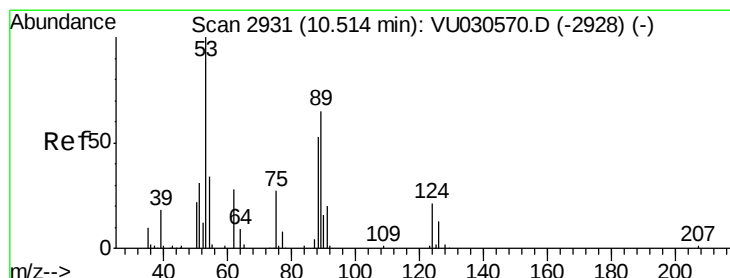
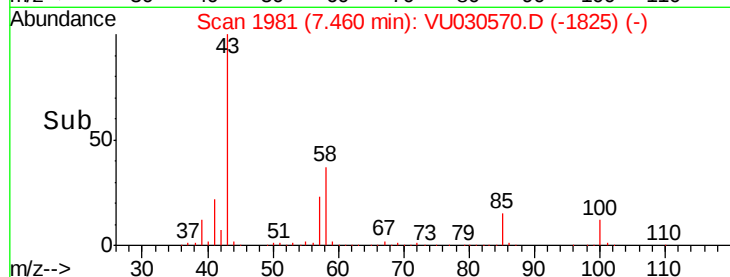
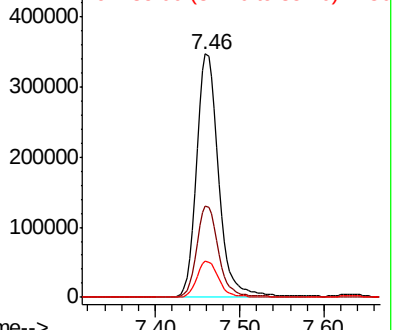
43 100

58 37.2 18.6 55.8

85 14.7 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: 29.333 ug/l

RT: 10.49 min Scan# 2924

Delta R.T. -0.02 min

Lab File: VU030570.D

Acq: 30 Mar 2019 11:42

Tgt Ion: 75 Resp: 95074

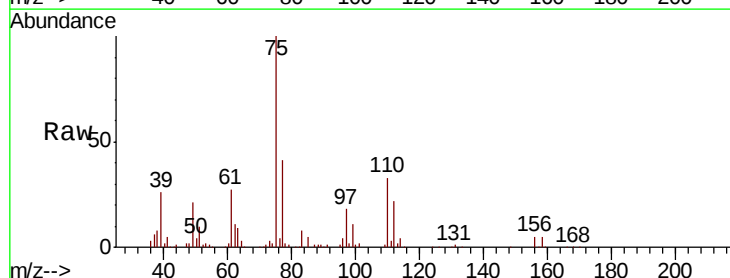
Ion Ratio Lower Upper

75 100

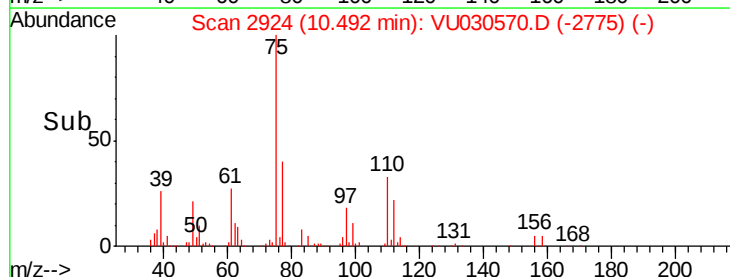
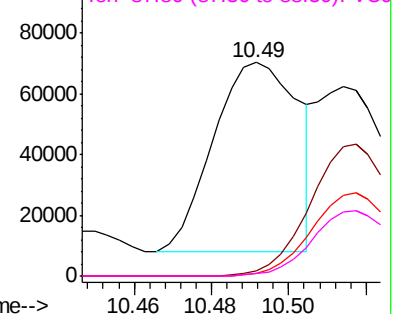
53 73.6 63.4 95.2

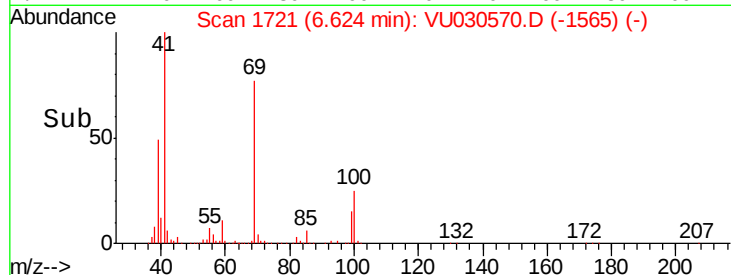
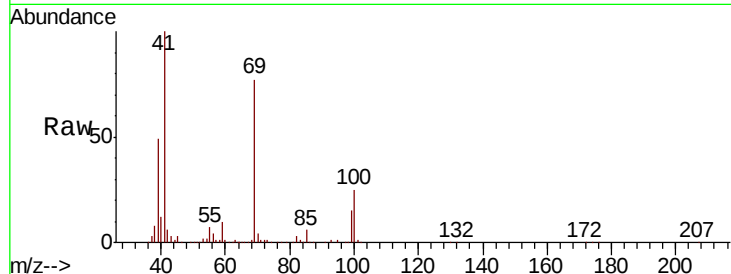
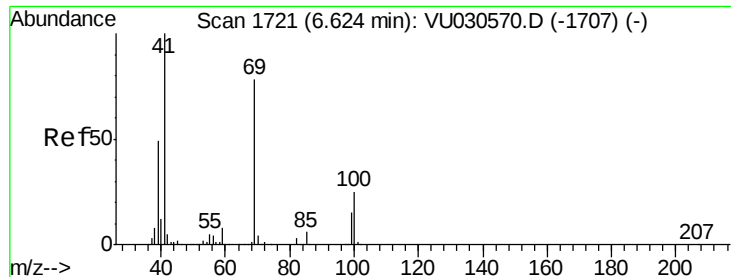
89 45.4 39.1 58.7

88 35.3 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

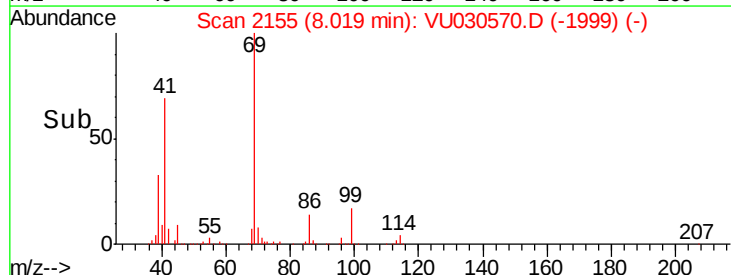
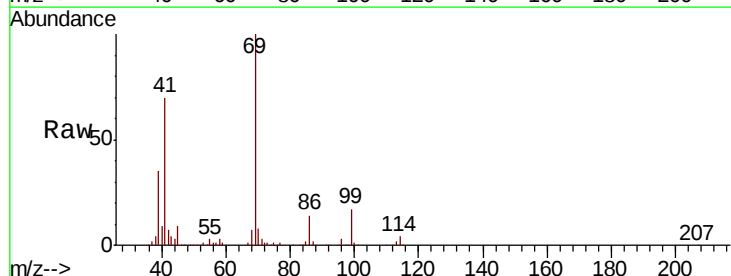
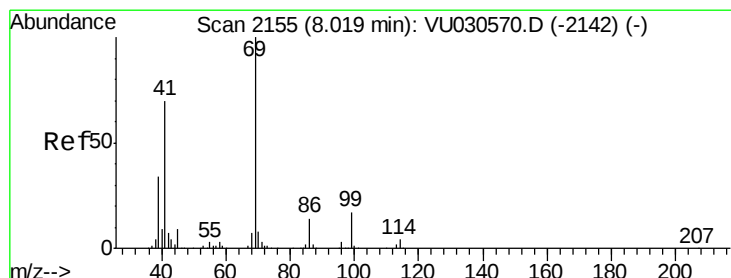
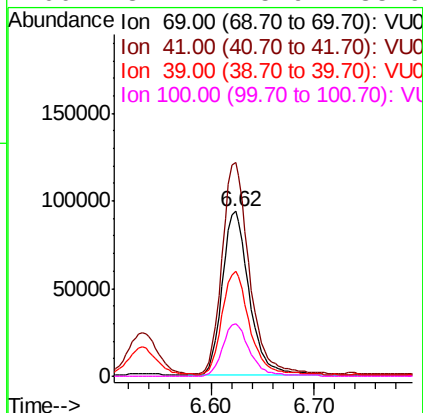




#47
Methyl methacrylate
Concen: 24.210 ug/l
RT: 6.62 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VU030570.D
Acq: 30 Mar 2019 11:42

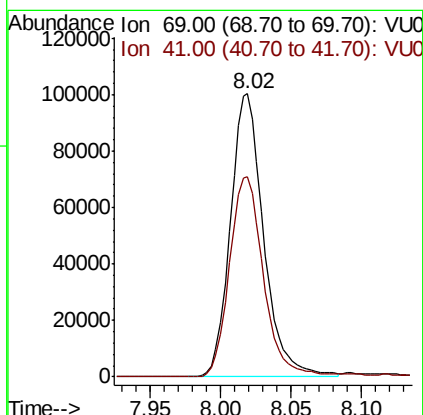
Instrument :
MSVOA_U
ClientSampleId :

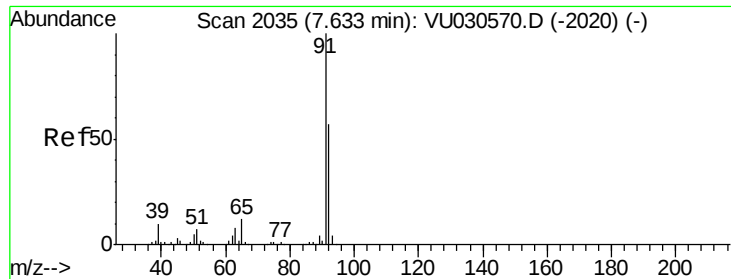
Tot Ion: 69 Resp: 172059
Ion Ratio Lower Upper
69 100
41 129.0 0.0 258.0
39 63.7 51.0 76.4
100 32.4 25.9 38.9



#48
Ethyl methacrylate
Concen: 12.414 ug/l
RT: 8.02 min Scan# 2155
Delta R.T. 0.00 min
Lab File: VU030570.D
Acq: 30 Mar 2019 11:42

Tgt Ion: 69 Resp: 165583
Ion Ratio Lower Upper
69 100
41 72.3 36.1 108.5





#49

Toluene

Concen: 10.859 ug/l

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU030570.D

Acq: 30 Mar 2019 11:42

Instrument :

MSVOA_U

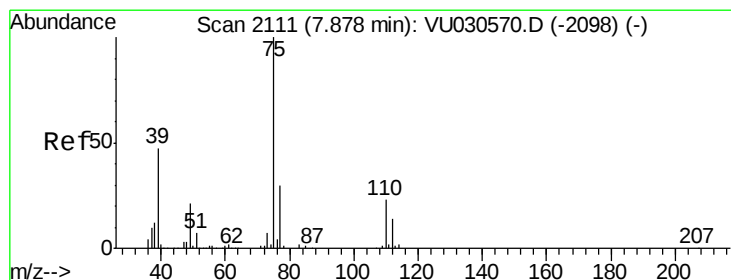
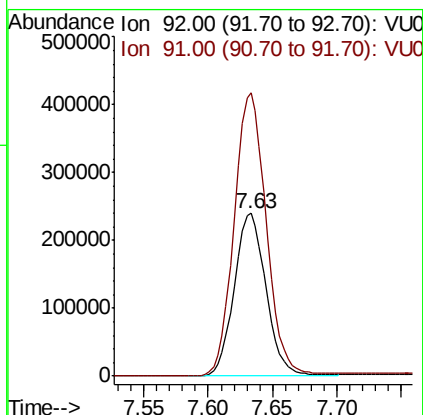
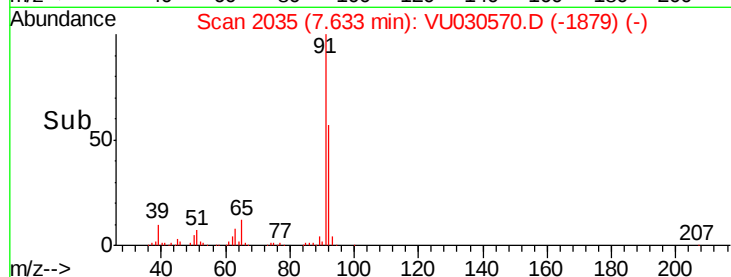
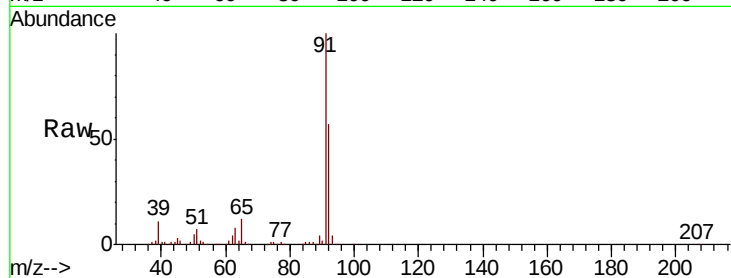
ClientSampleId :

Tot Ion: 92 Resp: 413099

Ion Ratio Lower Upper

92 100

91 175.3 140.2 210.4



#50

t-1,3-Dichloropropene

Concen: 11.977 ug/l

RT: 7.88 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VU030570.D

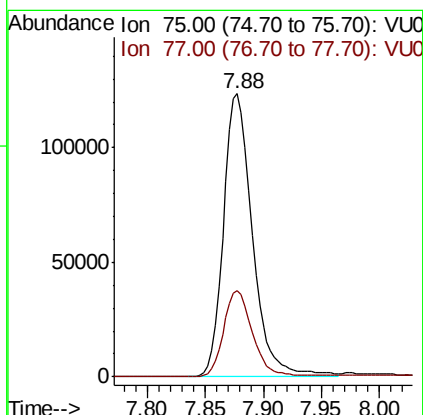
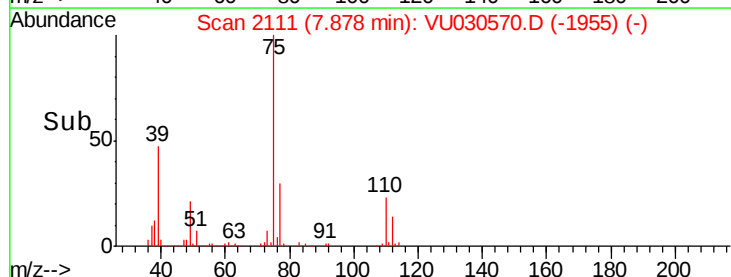
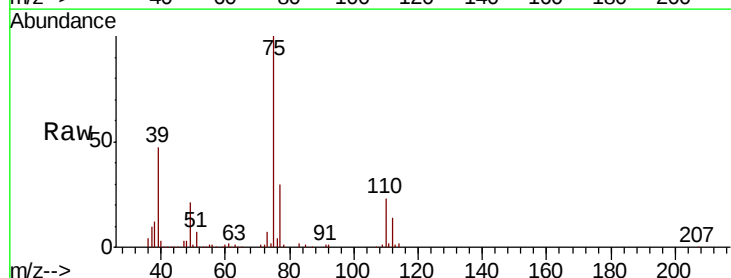
Acq: 30 Mar 2019 11:42

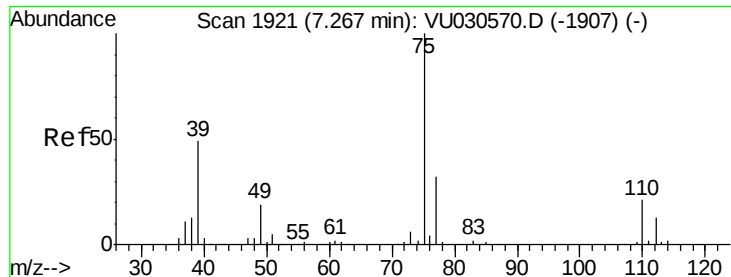
Tgt Ion: 75 Resp: 216216

Ion Ratio Lower Upper

75 100

77 30.5 24.4 36.6

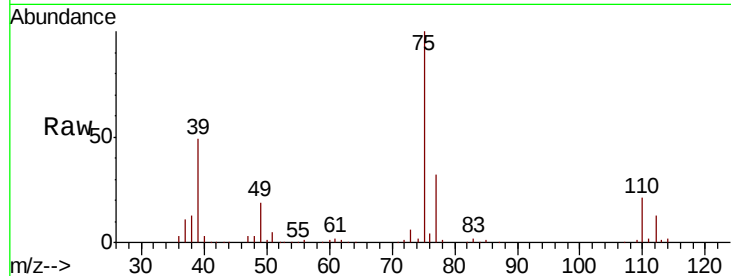




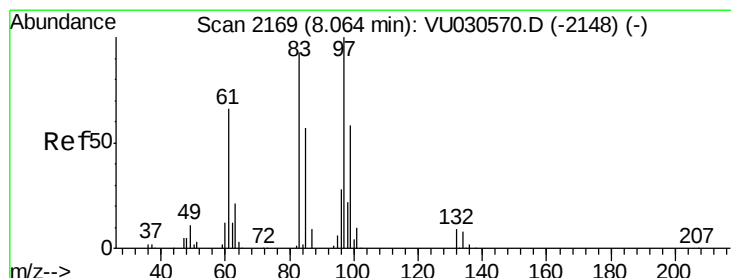
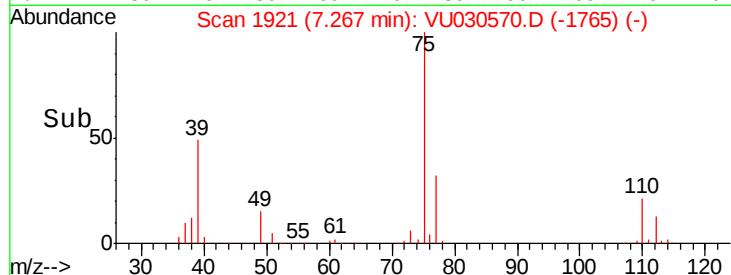
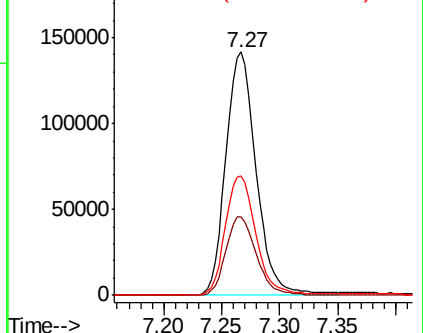
#51
 cis-1,3-Dichloropropene
 Concen: 11.411 ug/l
 RT: 7.27 min Scan# 1921
 Delta R.T. 0.00 min
 Lab File: VU030570.D
 Acq: 30 Mar 2019 11:42

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 75 Resp: 256878
 Ion Ratio Lower Upper
 75 100
 77 32.2 25.8 38.6
 39 49.1 39.3 58.9

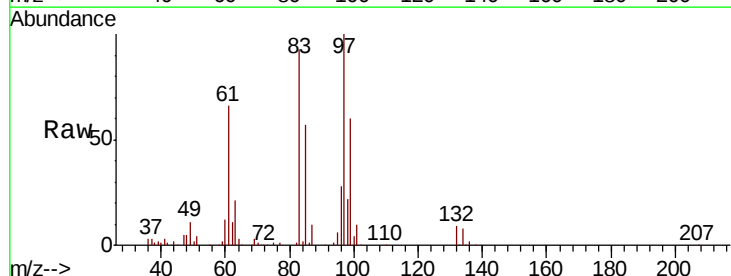


Abundance Ion 75.00 (74.70 to 75.70): VU0
 Ion 77.00 (76.70 to 77.70): VU0
 Ion 39.00 (38.70 to 39.70): VU0

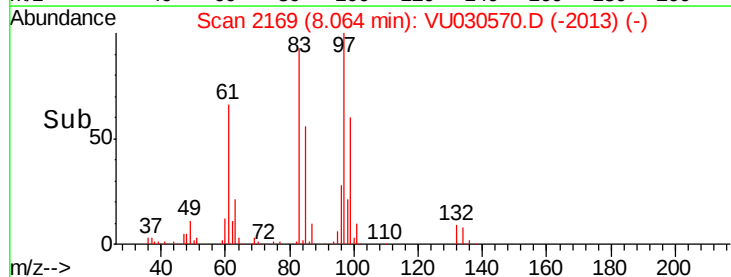
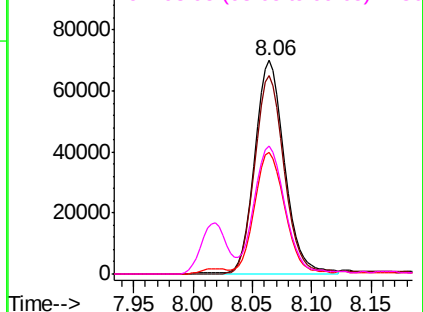


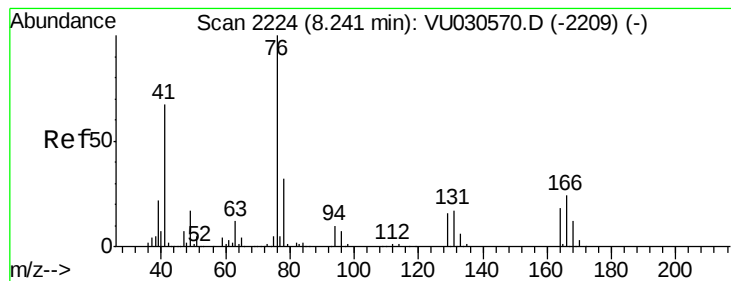
#52
 1,1,2-Trichloroethane
 Concen: 10.395 ug/l
 RT: 8.06 min Scan# 2169
 Delta R.T. 0.00 min
 Lab File: VU030570.D
 Acq: 30 Mar 2019 11:42

Tgt Ion: 97 Resp: 121973
 Ion Ratio Lower Upper
 97 100
 83 92.9 74.3 111.5
 85 56.7 45.4 68.0
 99 58.3 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: 11.289 ug/l

RT: 8.24 min Scan# 2224

Delta R.T. 0.00 min

Lab File: VU030570.D

Acq: 30 Mar 2019 11:42

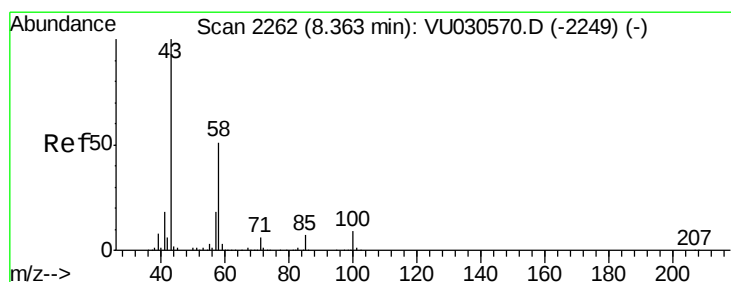
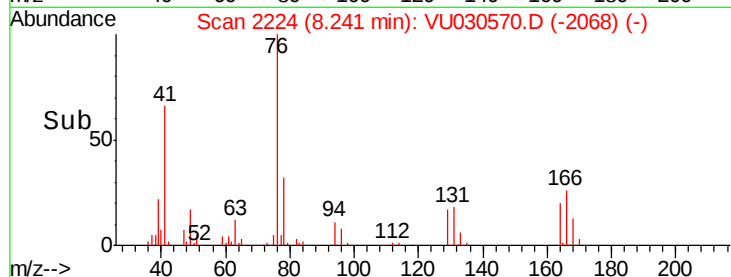
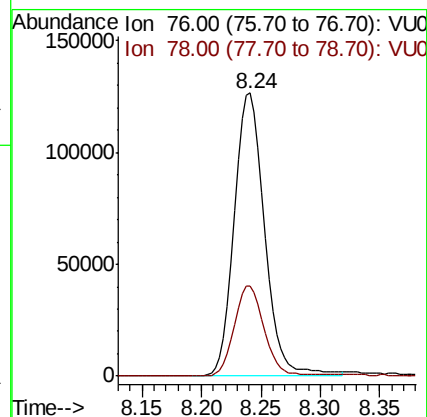
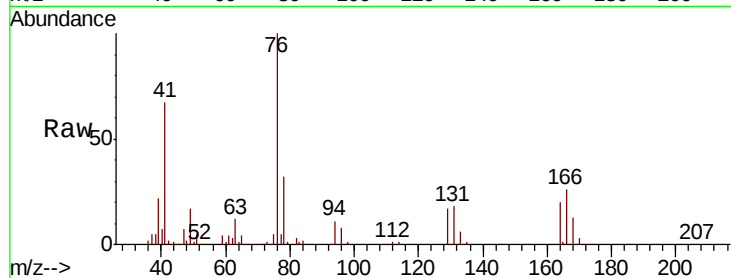
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 76 Resp: 225328

Ion Ratio Lower Upper

76 100

78 31.6 25.3 37.9



#54

2-Hexanone

Concen: 68.765 ug/l

RT: 8.36 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VU030570.D

Acq: 30 Mar 2019 11:42

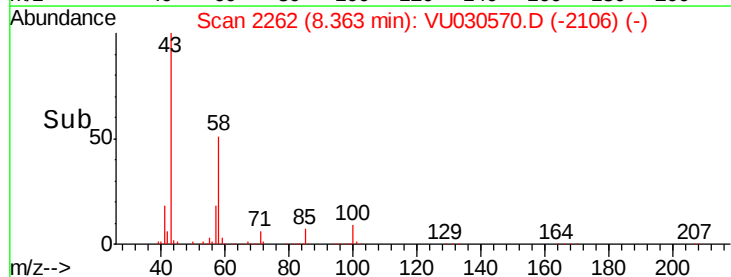
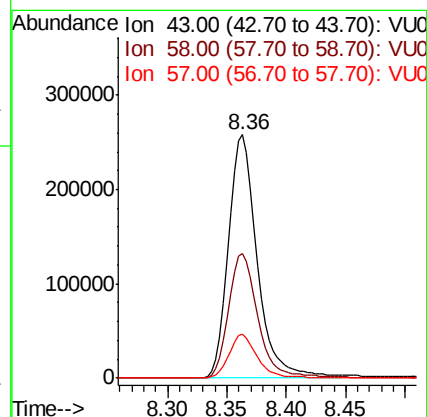
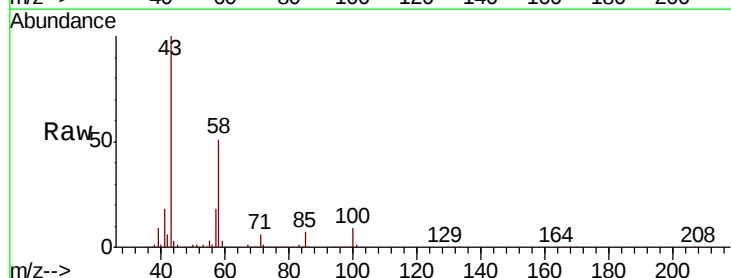
Tgt Ion: 43 Resp: 433611

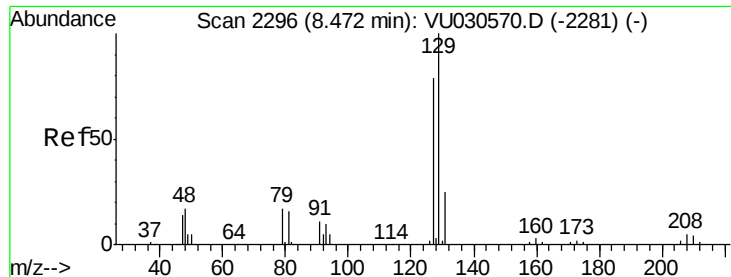
Ion Ratio Lower Upper

43 100

58 52.5 32.5 72.5

57 17.6 0.0 37.6

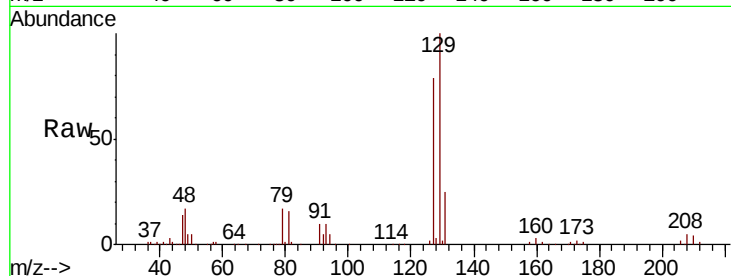




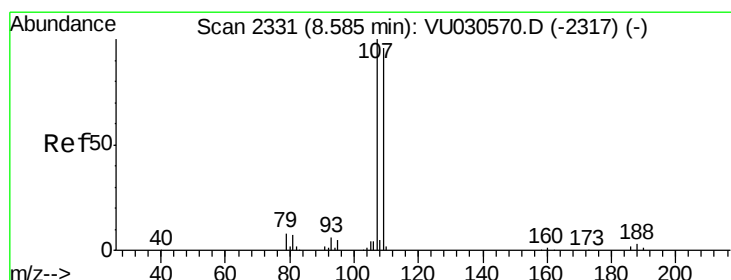
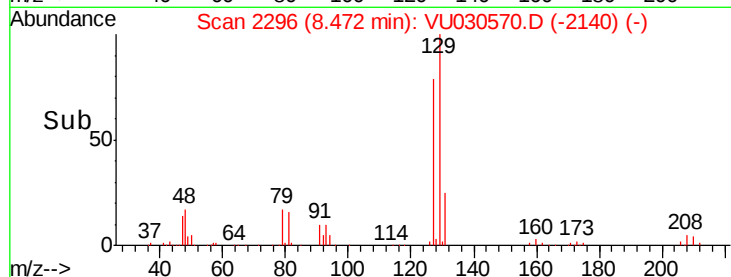
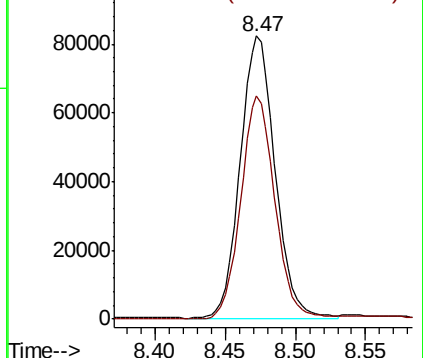
#55
 Dibromochloromethane
 Concen: 10.157 ug/l
 RT: 8.47 min Scan# 2296
 Delta R.T. 0.00 min
 Lab File: VU030570.D
 Acq: 30 Mar 2019 11:42

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:129 Resp: 141878
 Ion Ratio Lower Upper
 129 100
 127 77.8 62.2 93.4

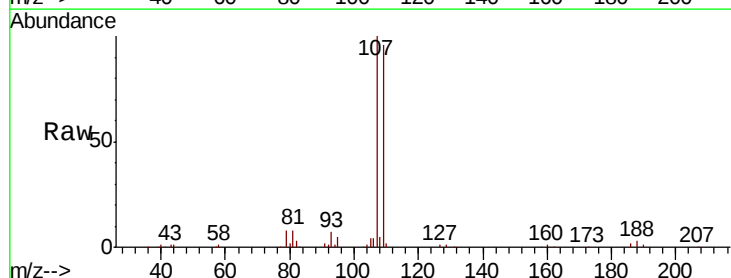


Abundance Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V

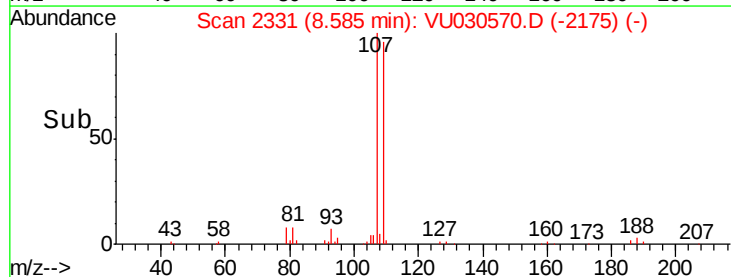
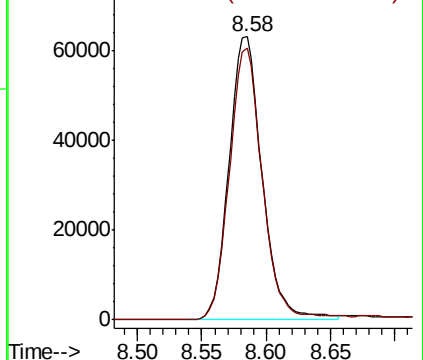


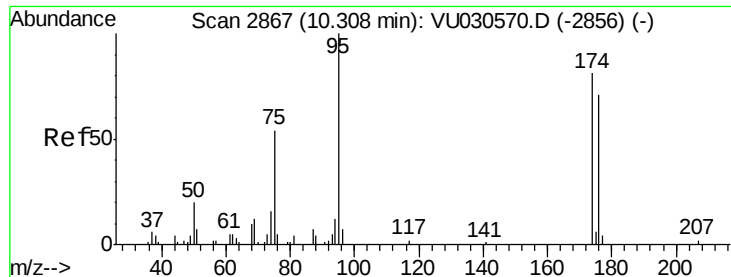
#56
 1,2-Dibromoethane
 Concen: 10.087 ug/l
 RT: 8.58 min Scan# 2331
 Delta R.T. 0.00 min
 Lab File: VU030570.D
 Acq: 30 Mar 2019 11:42

Tgt Ion:107 Resp: 112801
 Ion Ratio Lower Upper
 107 100
 109 95.0 0.0 190.0



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

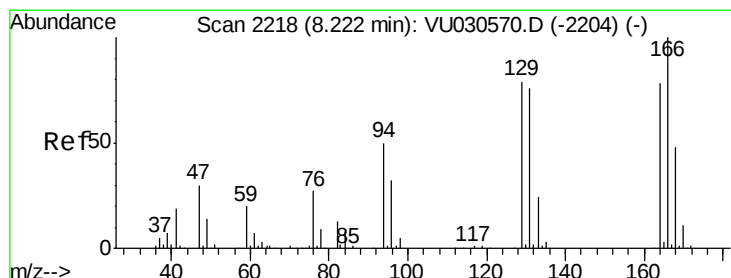
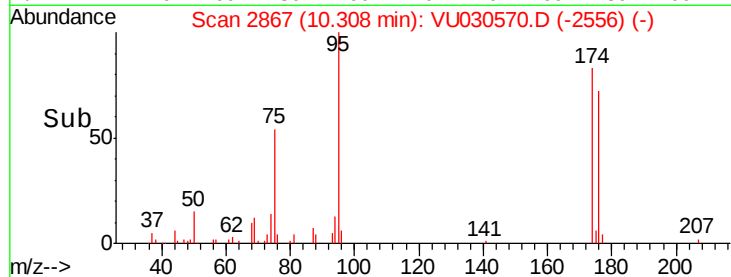
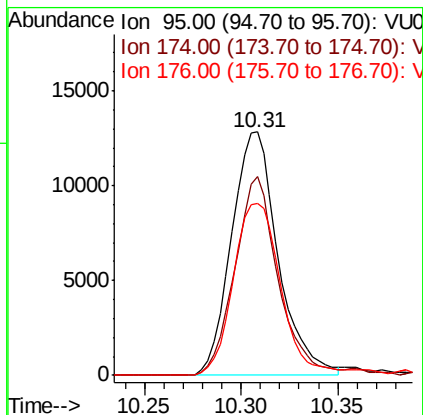
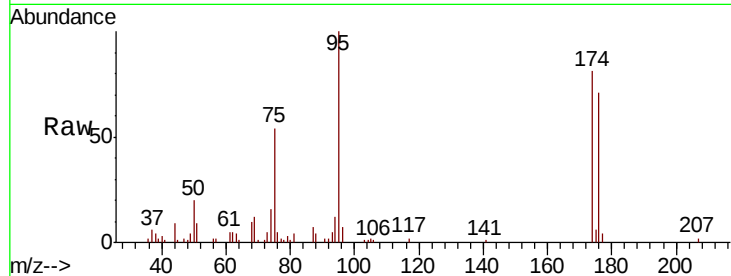




#57
4-Bromofluorobenzene
Concen: 10.087 ug/l
RT: 10.31 min Scan# 2867
Delta R.T. 0.00 min
Lab File: VU030570.D
Acq: 30 Mar 2019 11:42

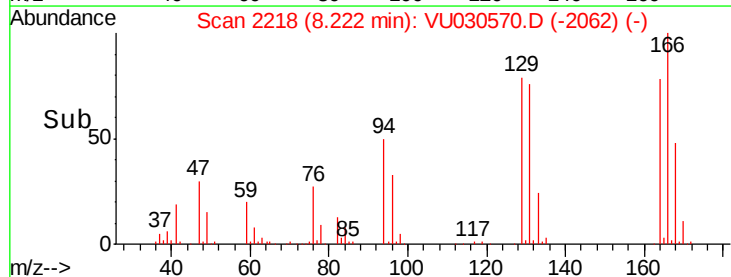
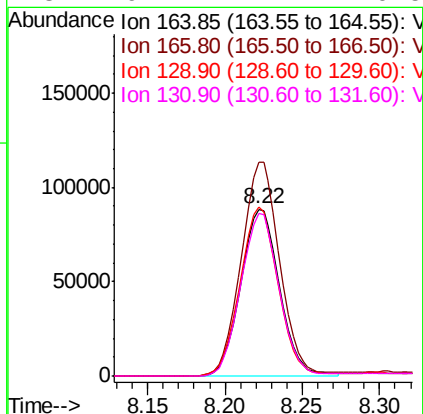
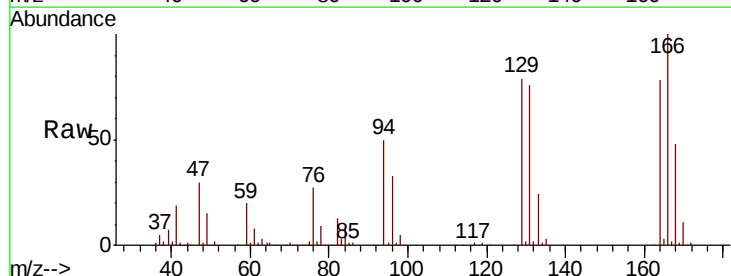
Instrument :
MSVOA_U
ClientSampleId :

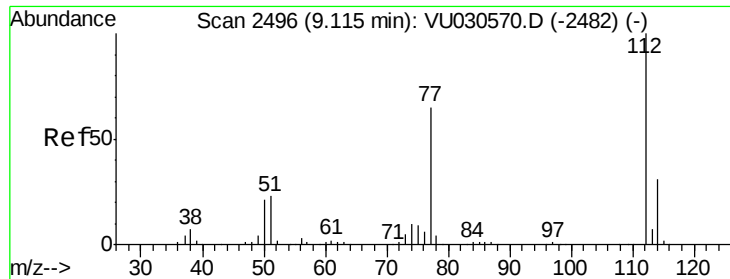
Tot Ion: 95 Resp: 21493
Ion Ratio Lower Upper
95 100
174 75.6 60.5 90.7
176 72.4 57.9 86.9



#58
Tetrachloroethene
Concen: 9.503 ug/l
RT: 8.22 min Scan# 2218
Delta R.T. 0.00 min
Lab File: VU030570.D
Acq: 30 Mar 2019 11:42

Tgt Ion: 164 Resp: 153840
Ion Ratio Lower Upper
164 100
166 128.0 102.4 153.6
129 101.7 81.4 122.0
131 97.1 77.7 116.5





#59

Chlorobenzene

Concen: 10.248 ug/l

RT: 9.12 min Scan# 2496

Delta R.T. 0.00 min

Lab File: VU030570.D

Acq: 30 Mar 2019 11:42

Instrument :

MSVOA_U

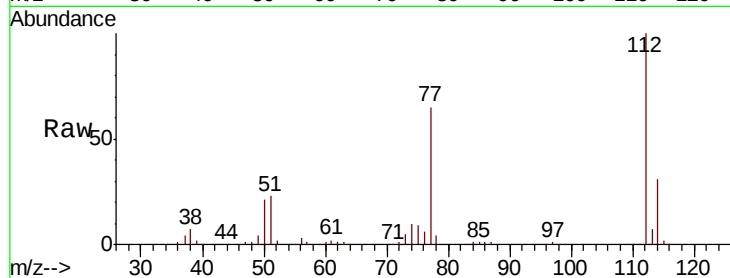
ClientSampled :

Tot Ion:112 Resp: 441727

Ion Ratio Lower Upper

112 100

114 31.1 24.9 37.3



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

9.12

250000

200000

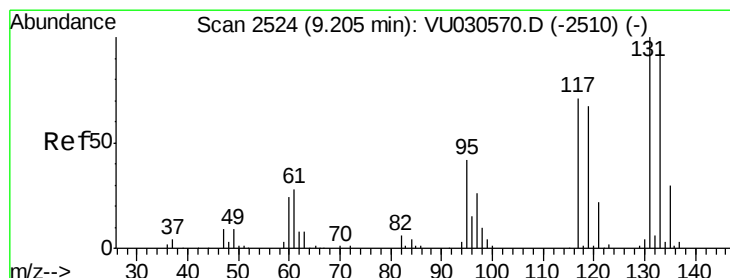
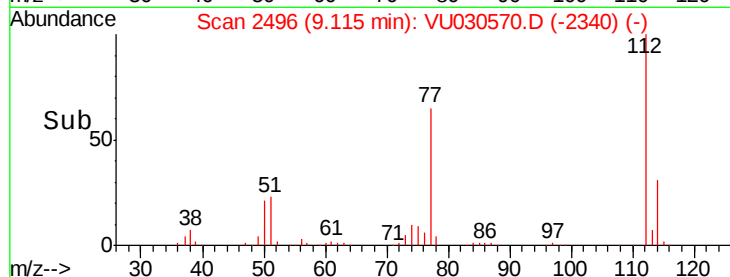
150000

100000

50000

0

Time--> 9.00 9.10 9.20



#60

1,1,1,2-Tetrachloroethane

Concen: 9.842 ug/l

RT: 9.21 min Scan# 2524

Delta R.T. 0.00 min

Lab File: VU030570.D

Acq: 30 Mar 2019 11:42

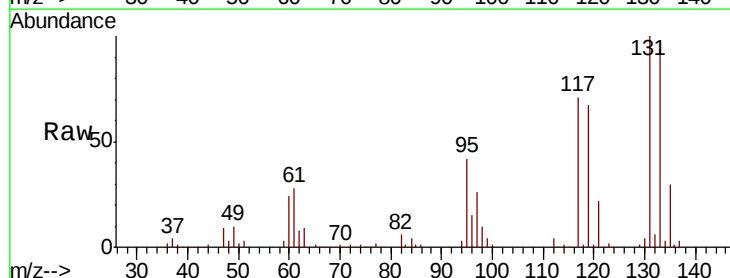
Tgt Ion:131 Resp: 148843

Ion Ratio Lower Upper

131 100

133 96.9 77.5 116.3

119 66.5 53.2 79.8



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

9.21

120000

100000

80000

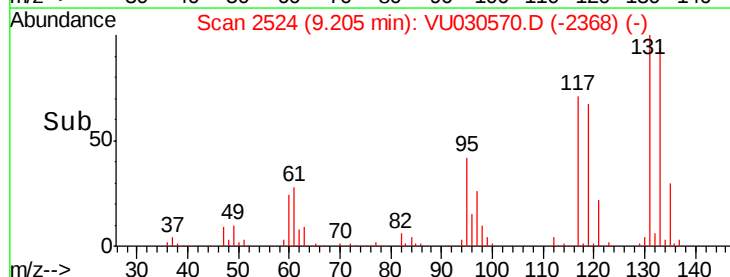
60000

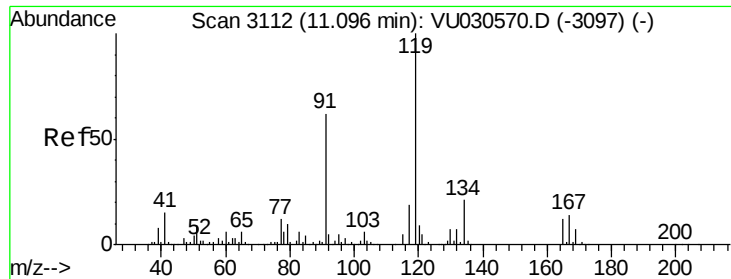
40000

20000

0

Time--> 9.15 9.20 9.25

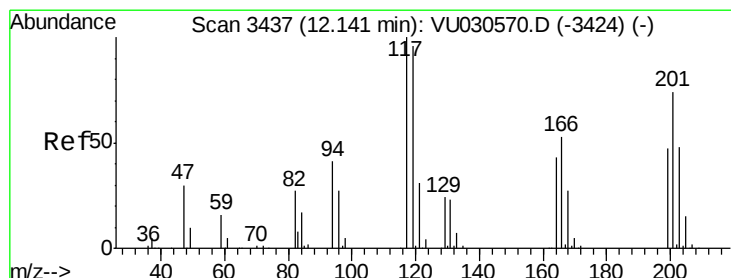
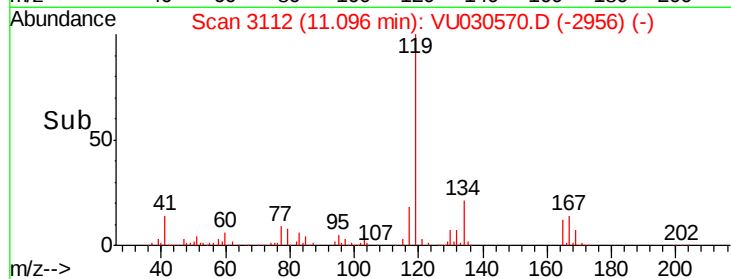
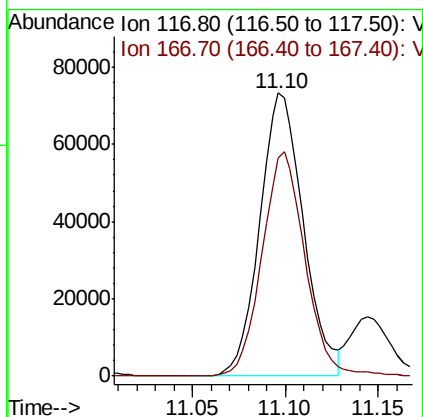
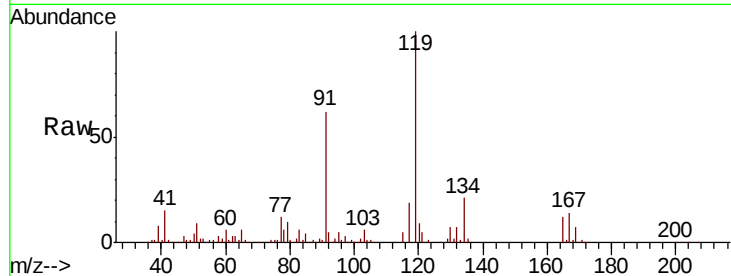




#61
 Pentachloroethane
 Concen: 10.245 ug/l
 RT: 11.10 min Scan# 3112
 Delta R.T. 0.00 min
 Lab File: VU030570.D
 Acq: 30 Mar 2019 11:42

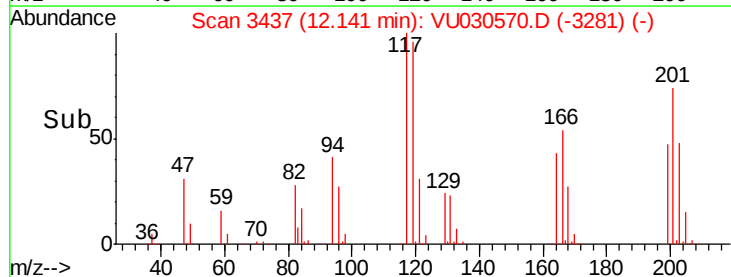
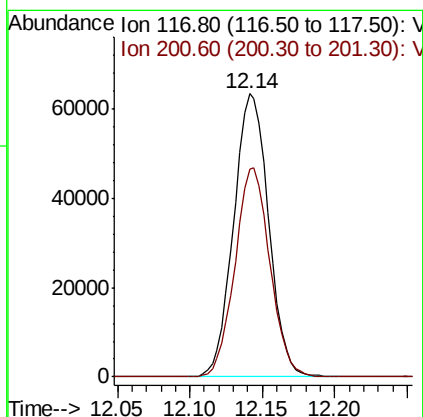
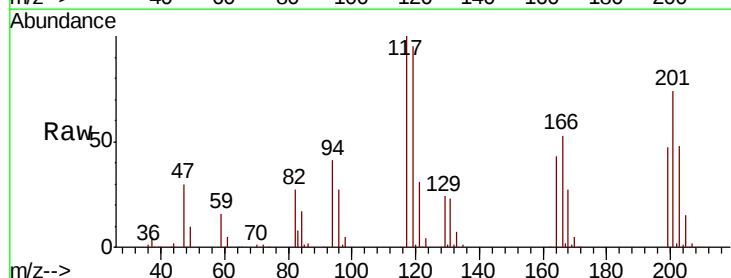
Instrument :
 MSVOA_U
 ClientSampleId :

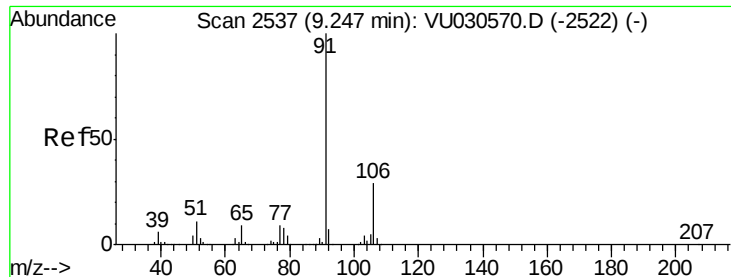
Tot Ion:117 Resp: 120609
 Ion Ratio Lower Upper
 117 100
 167 78.2 62.6 93.8



#62
 Hexachloroethane
 Concen: 9.239 ug/l
 RT: 12.14 min Scan# 3437
 Delta R.T. 0.00 min
 Lab File: VU030570.D
 Acq: 30 Mar 2019 11:42

Tgt Ion:117 Resp: 106402
 Ion Ratio Lower Upper
 117 100
 201 73.9 59.1 88.7

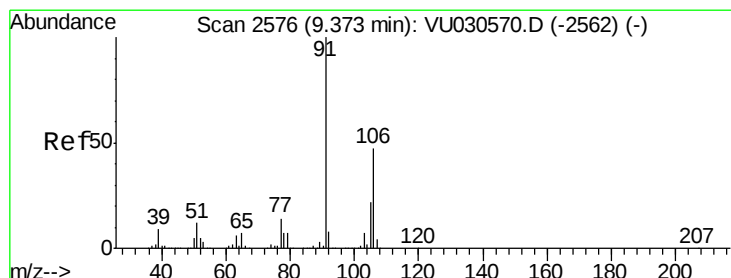
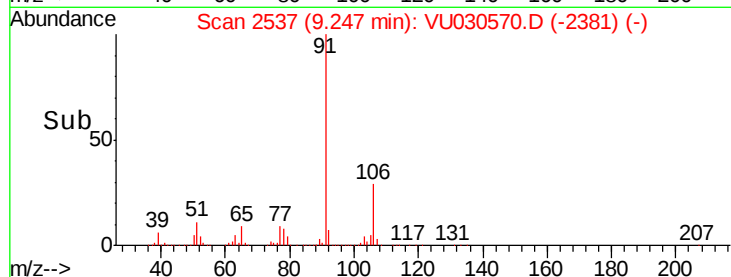
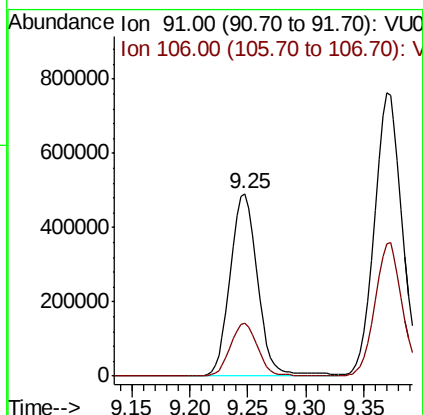
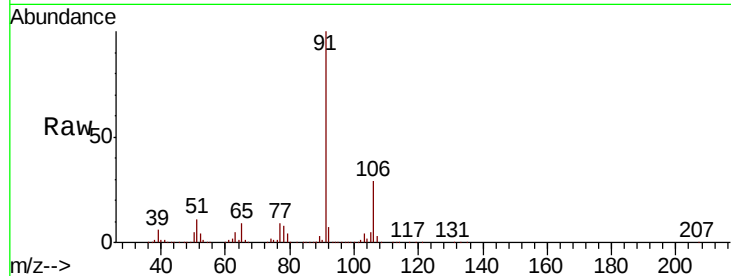




#63
Ethyl Benzene
Concen: 11.262 ug/l
RT: 9.25 min Scan# 2537
Delta R.T. 0.00 min
Lab File: VU030570.D
Acq: 30 Mar 2019 11:42

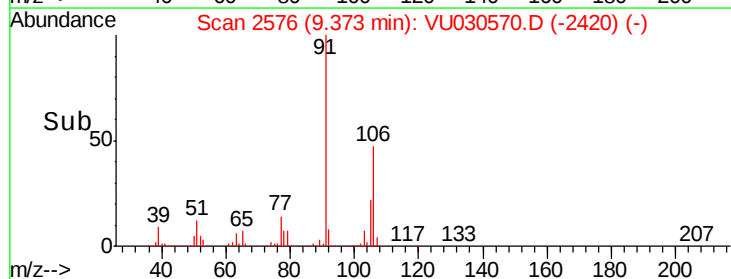
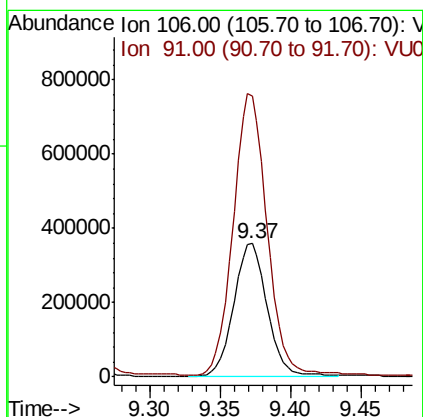
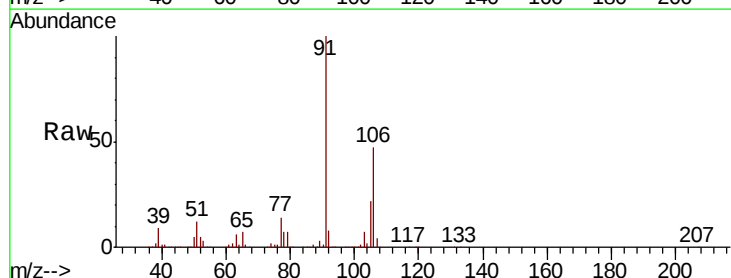
Instrument :
MSVOA_U
ClientSampleId :

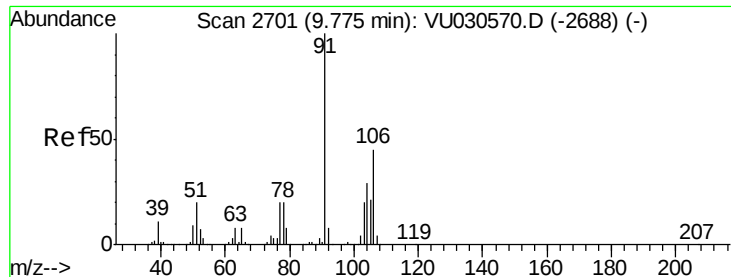
Tot Ion: 91 Resp: 808952
Ion Ratio Lower Upper
91 100
106 28.9 23.1 34.7



#64
m/p-Xylenes
Concen: 21.245 ug/l
RT: 9.37 min Scan# 2576
Delta R.T. 0.00 min
Lab File: VU030570.D
Acq: 30 Mar 2019 11:42

Tgt Ion: 106 Resp: 589660
Ion Ratio Lower Upper
106 100
91 224.2 179.4 269.0

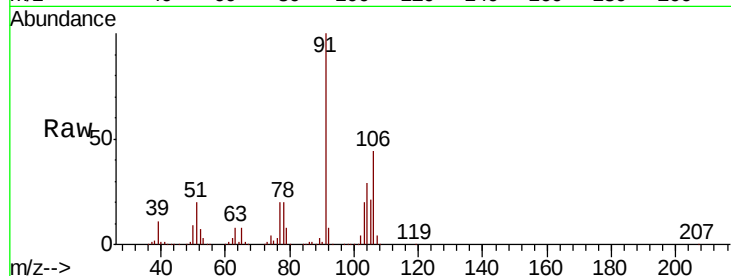




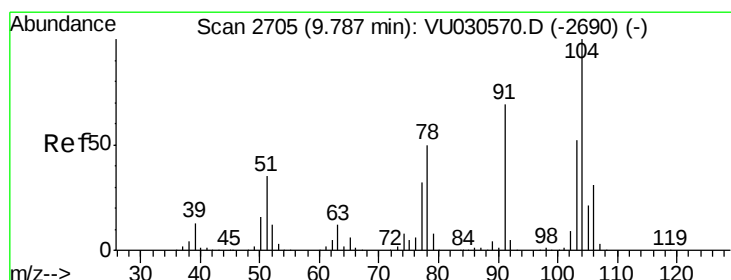
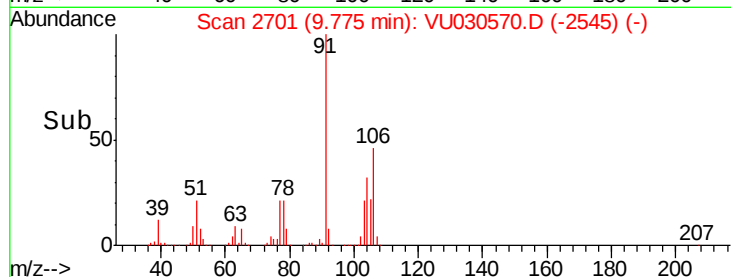
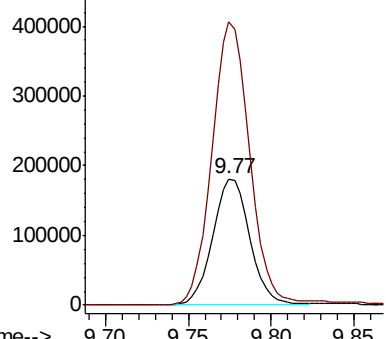
#65
o-Xylene
Concen: 10.388 ug/l
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU030570.D
Acq: 30 Mar 2019 11:42

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 282515
Ion Ratio Lower Upper
106 100
91 230.9 115.5 346.4

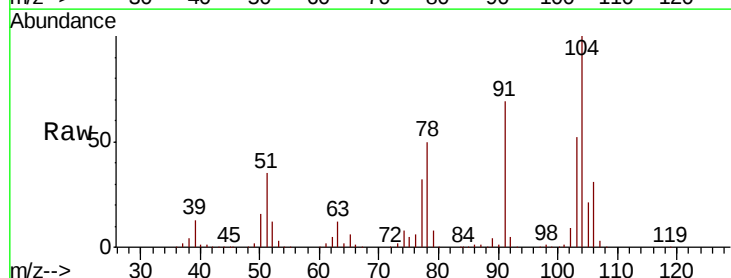


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

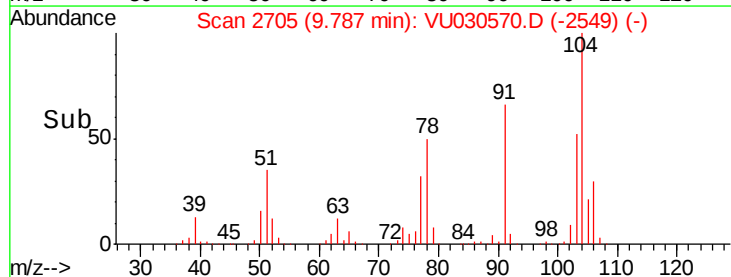
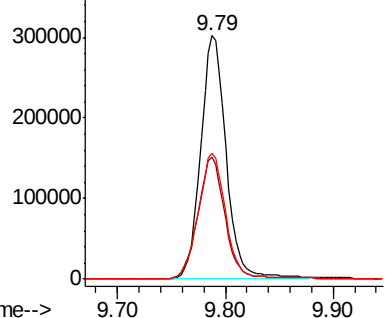


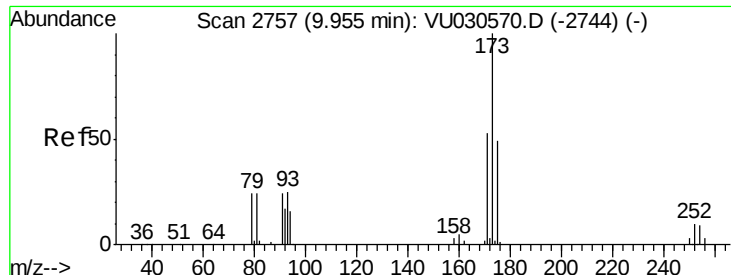
#66
Styrene
Concen: 11.144 ug/l
RT: 9.79 min Scan# 2705
Delta R.T. 0.00 min
Lab File: VU030570.D
Acq: 30 Mar 2019 11:42

Tgt Ion:104 Resp: 500798
Ion Ratio Lower Upper
104 100
78 52.9 42.3 63.5
103 55.9 44.7 67.1



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

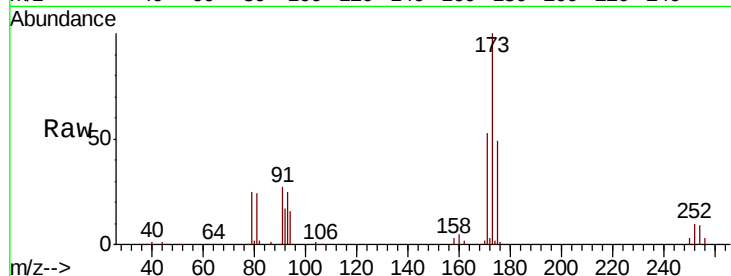




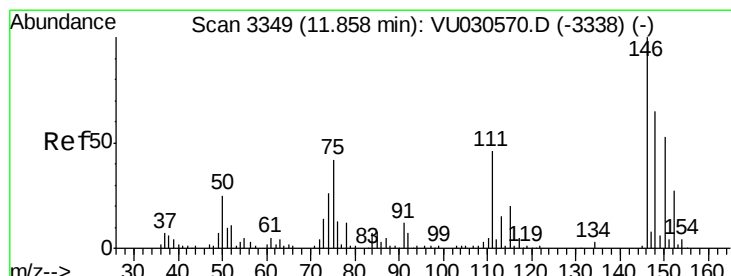
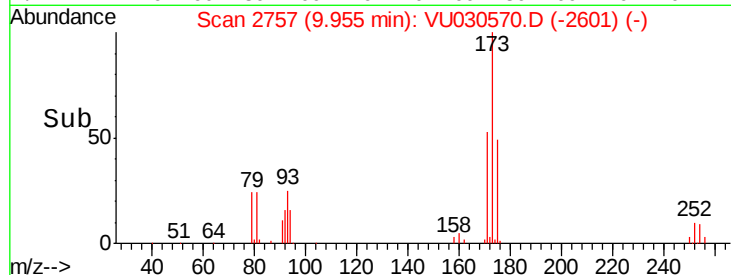
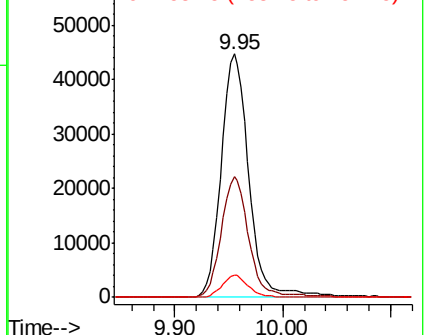
#67
Bromoform
Concen: 10.072 ug/l
RT: 9.95 min Scan# 2757
Delta R.T. 0.00 min
Lab File: VU030570.D
Acq: 30 Mar 2019 11:42

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:173 Resp: 79729
Ion Ratio Lower Upper
173 100
175 48.2 38.6 57.8
254 8.6 6.9 10.3

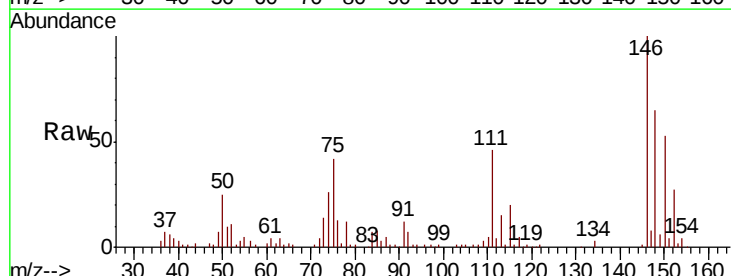


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V

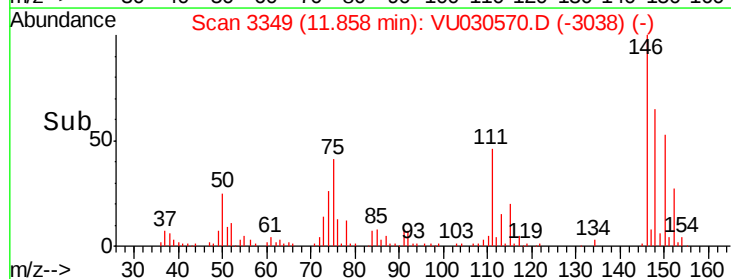
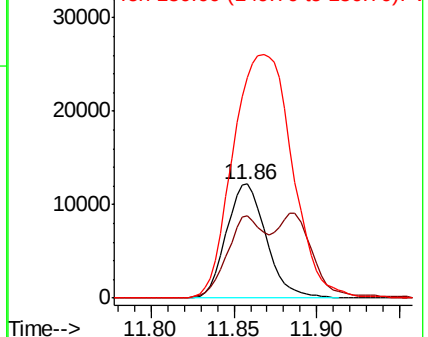


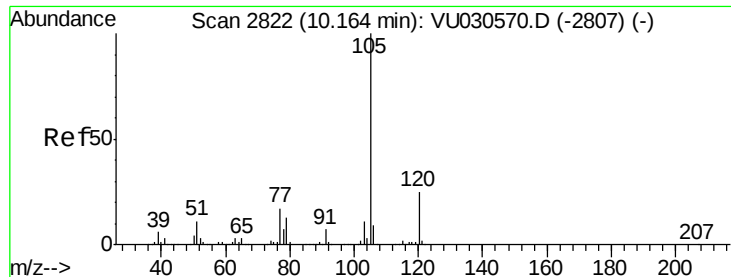
#68
1,2-Dichlorobenzene-d4
Concen: 10.072 ug/l
RT: 11.86 min Scan# 3349
Delta R.T. 0.00 min
Lab File: VU030570.D
Acq: 30 Mar 2019 11:42

Tgt Ion:152 Resp: 20456
Ion Ratio Lower Upper
152 100
115 68.1 0.0 136.2
150 317.3 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: 10.856 ug/l

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU030570.D

Acq: 30 Mar 2019 11:42

Instrument :

MSVOA_U

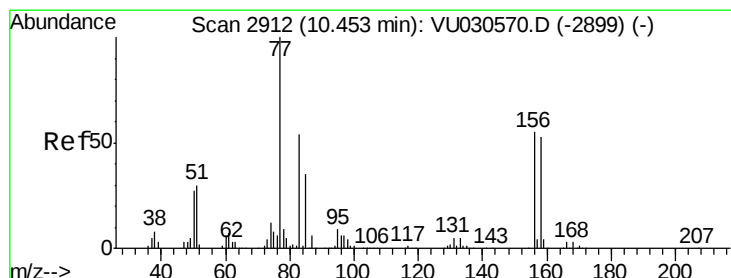
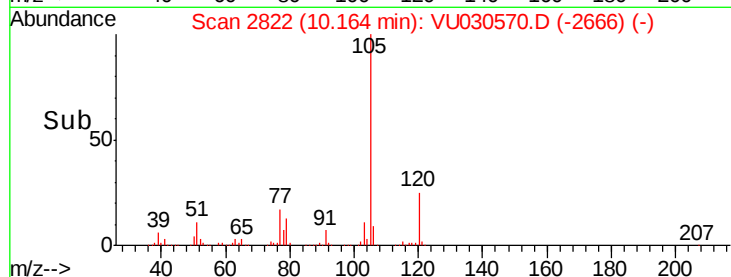
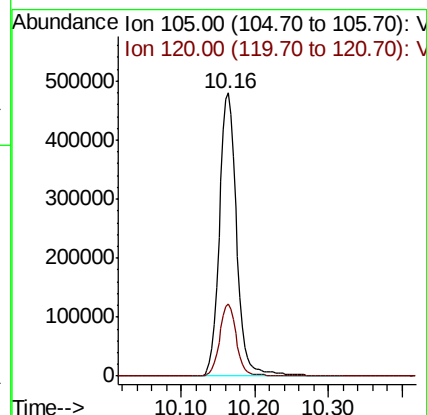
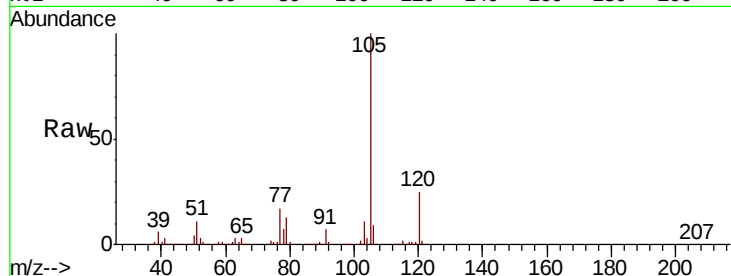
ClientSampled :

Tot Ion:105 Resp: 777179

Ion Ratio Lower Upper

105 100

120 25.1 12.6 37.6



#70

1,1,2,2-Tetrachloroethane

Concen: 11.248 ug/l

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU030570.D

Acq: 30 Mar 2019 11:42

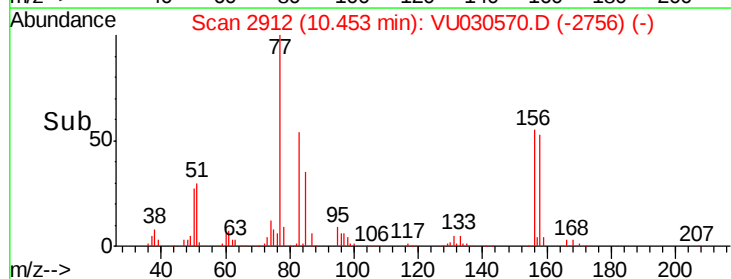
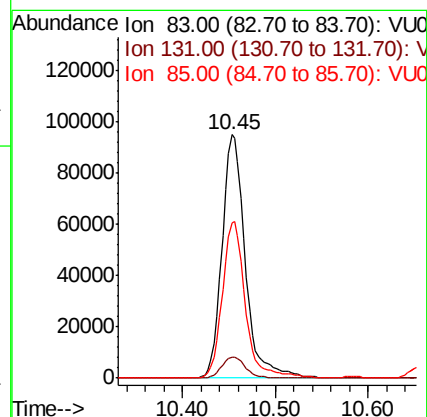
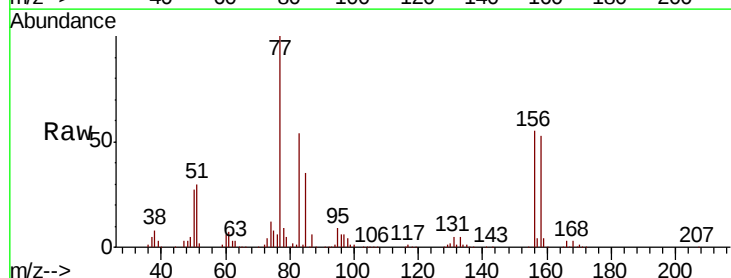
Tgt Ion: 83 Resp: 165356

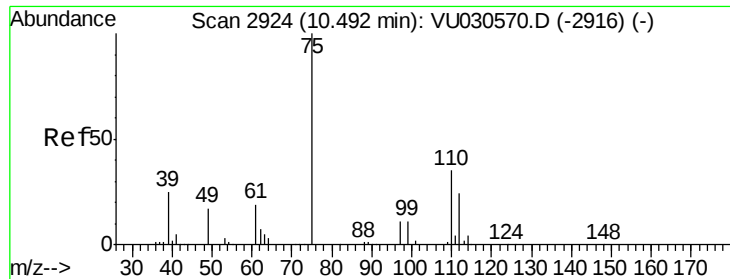
Ion Ratio Lower Upper

83 100

131 8.8 7.0 10.6

85 63.7 51.0 76.4

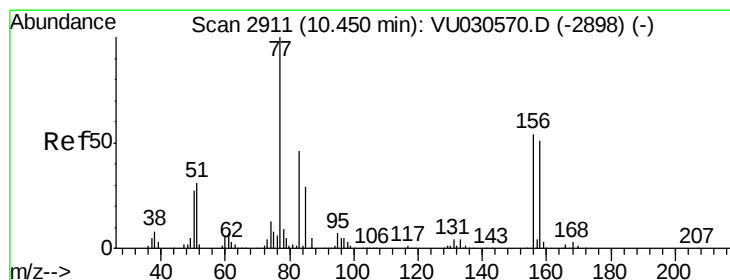
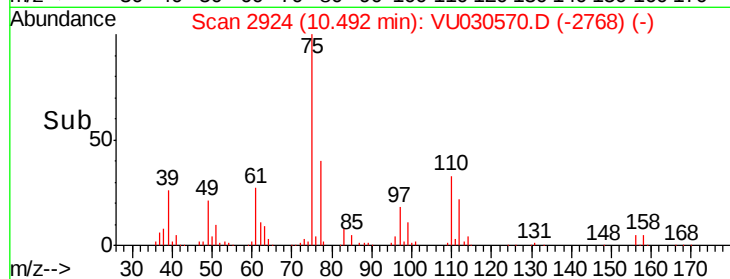
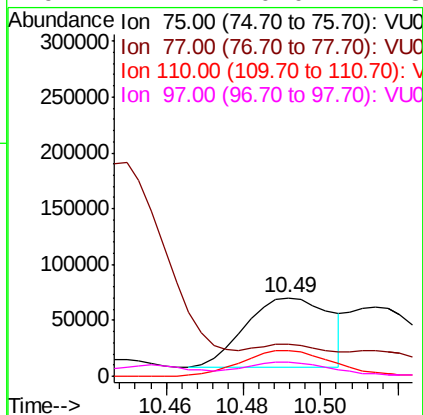
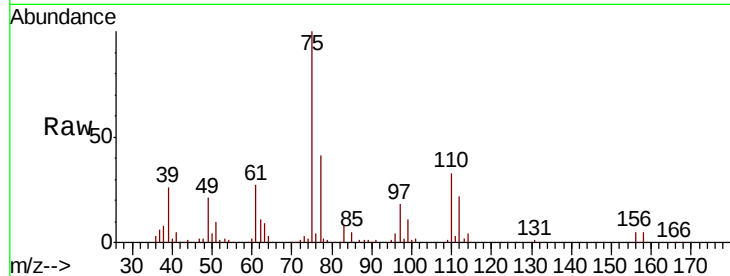




#71
1,2,3-Trichloropropane
Concen: 8.915 ug/l
RT: 10.49 min Scan# 2924
Delta R.T. 0.00 min
Lab File: VU030570.D
Acq: 30 Mar 2019 11:42

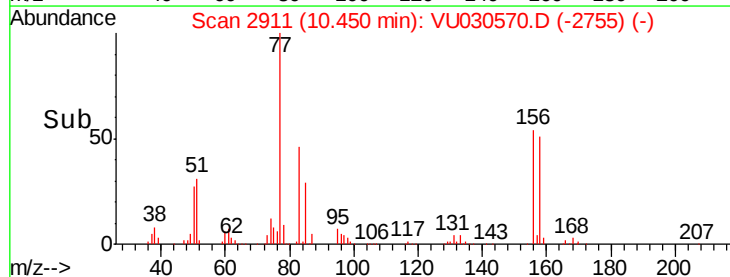
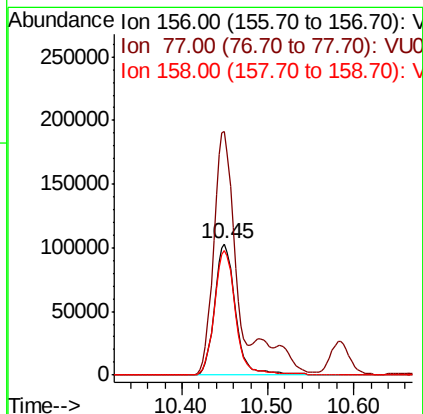
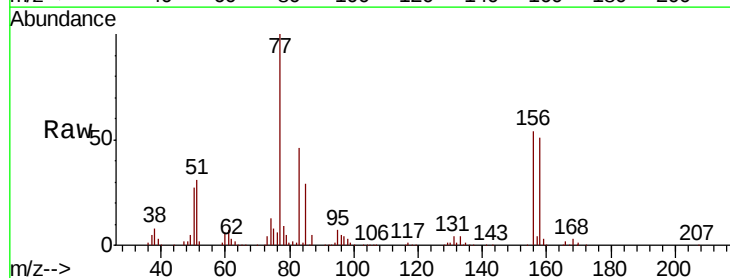
Instrument :
MSVOA_U
ClientSampleId :

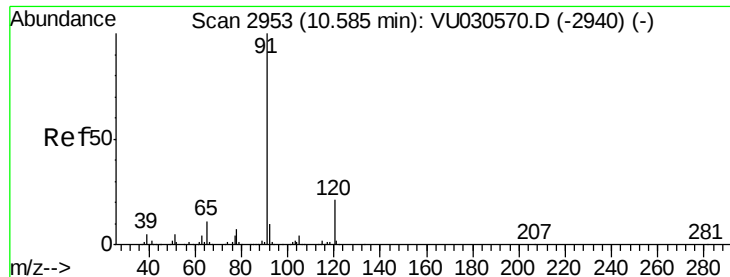
Tot Ion:	75	Resp:	95074
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0
110	41.9	0.0	83.8
97	21.4	0.0	42.8



#72
Bromobenzene
Concen: 9.553 ug/l
RT: 10.45 min Scan# 2911
Delta R.T. 0.00 min
Lab File: VU030570.D
Acq: 30 Mar 2019 11:42

Tgt Ion:	156	Resp:	175487
Ion	Ratio	Lower	Upper
156	100		
77	181.5	0.0	363.0
158	96.6	0.0	193.2





#73

n-propylbenzene

Concen: 10.438 ug/l

RT: 10.58 min Scan# 2953

Delta R.T. 0.00 min

Lab File: VU030570.D

Acq: 30 Mar 2019 11:42

Instrument :

MSVOA_U

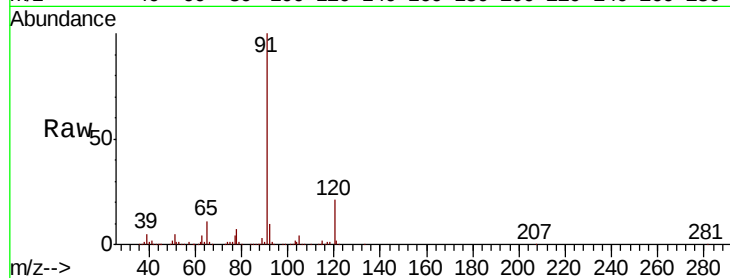
ClientSampleId :

Tot Ion:120 Resp: 209343

Ion Ratio Lower Upper

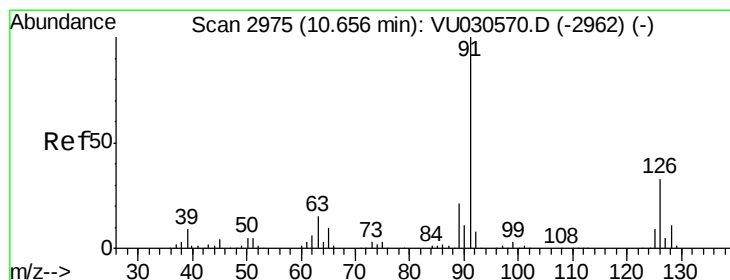
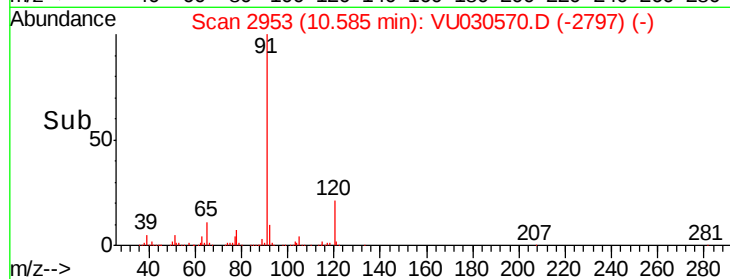
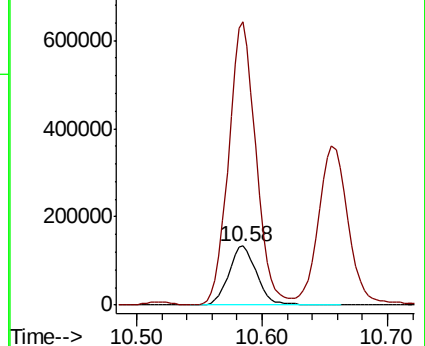
120 100

91 464.5 371.6 557.4



Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 10.325 ug/l

RT: 10.66 min Scan# 2975

Delta R.T. 0.00 min

Lab File: VU030570.D

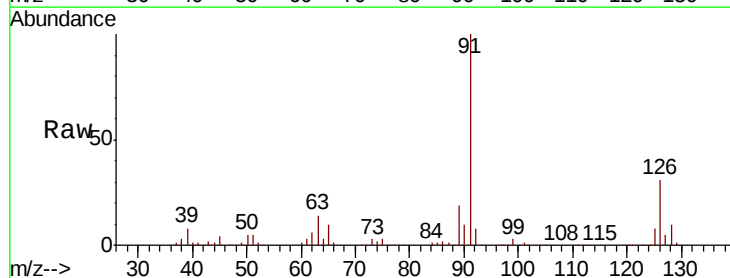
Acq: 30 Mar 2019 11:42

Tgt Ion:126 Resp: 182097

Ion Ratio Lower Upper

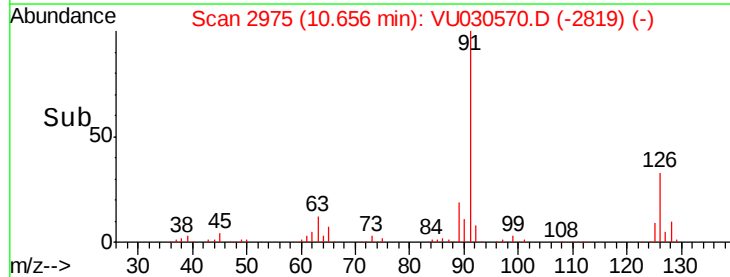
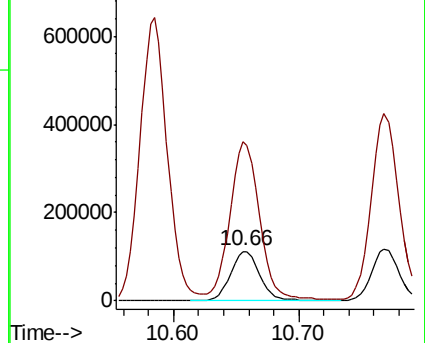
126 100

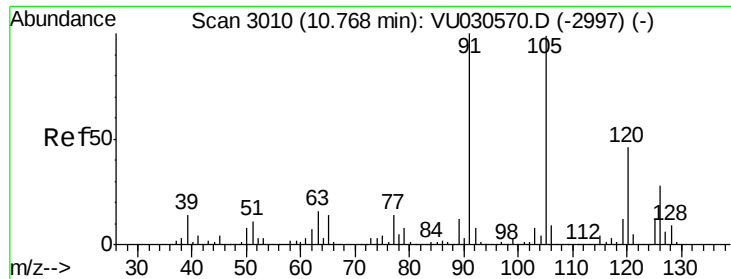
91 328.4 0.0 656.8



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: 10.877 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. 0.00 min

Lab File: VU030570.D

Acq: 30 Mar 2019 11:42

Instrument :

MSVOA_U

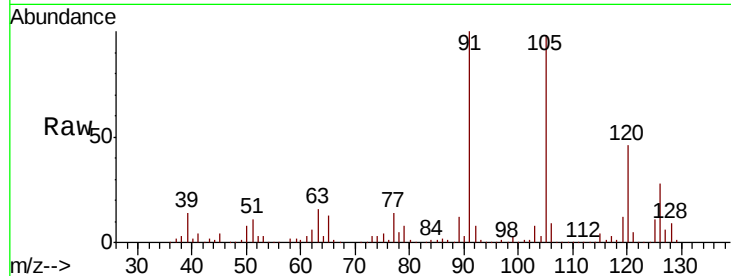
ClientSampleId :

Tot Ion:105 Resp: 660815

Ion Ratio Lower Upper

105 100

120 47.0 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

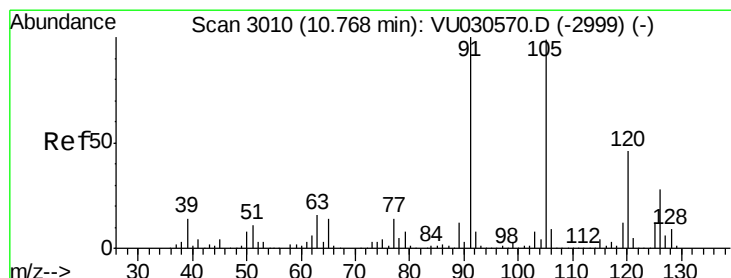
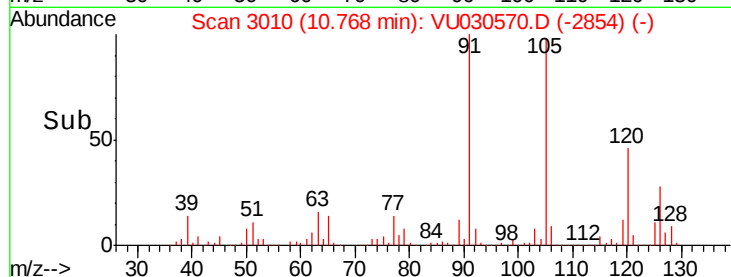
200000

100000

0

10.70 10.80 10.90

Time-->



#76

4-Chlorotoluene

Concen: 10.366 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. 0.00 min

Lab File: VU030570.D

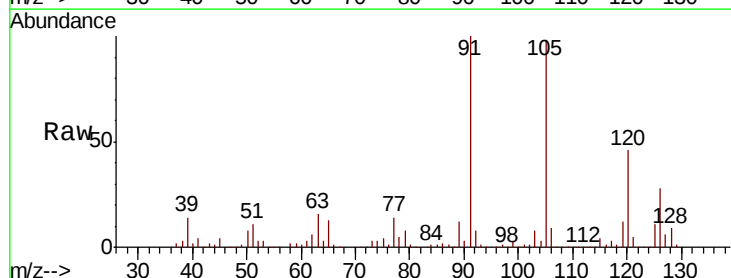
Acq: 30 Mar 2019 11:42

Tgt Ion:126 Resp: 185962

Ion Ratio Lower Upper

126 100

91 360.8 0.0 721.6



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0

500000

400000

300000

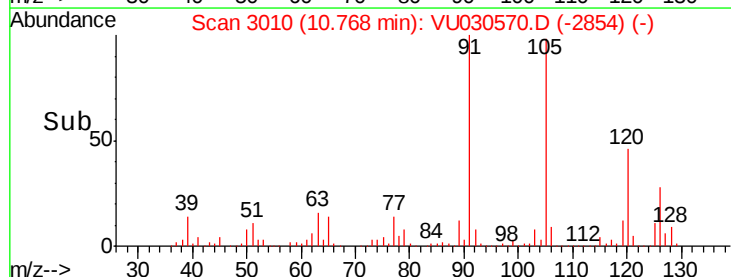
200000

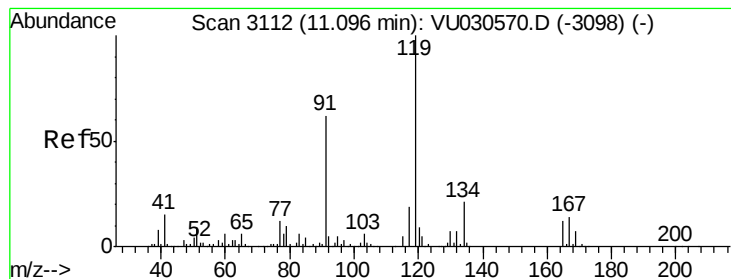
100000

0

10.70 10.80 10.90

Time-->





#77

tert-Butylbenzene

Concen: 10.410 ug/l

RT: 11.10 min Scan# 3112

Delta R.T. 0.00 min

Lab File: VU030570.D

Acq: 30 Mar 2019 11:42

Instrument :

MSVOA_U

ClientSampled :

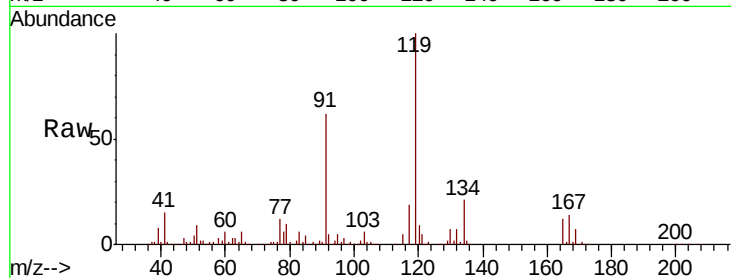
Tot Ion:119 Resp: 615493

Ion Ratio Lower Upper

119 100

91 61.9 30.9 92.8

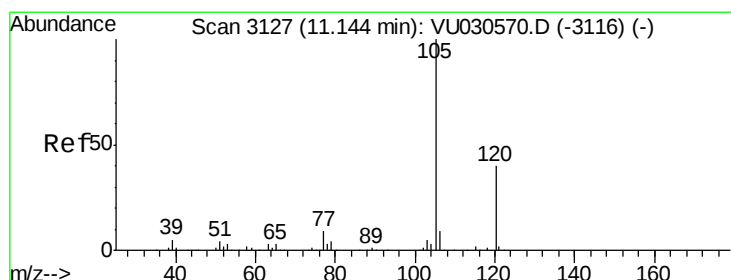
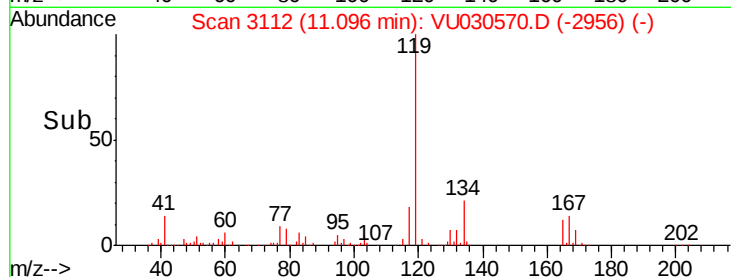
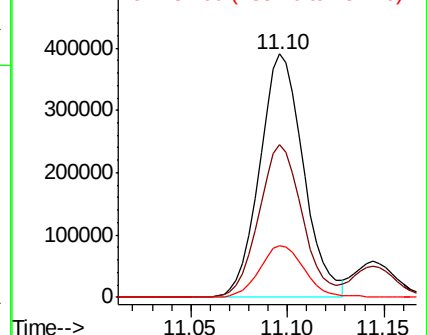
134 22.0 17.6 26.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#78

1,2,4-Trimethylbenzene

Concen: 10.799 ug/l

RT: 11.14 min Scan# 3127

Delta R.T. 0.00 min

Lab File: VU030570.D

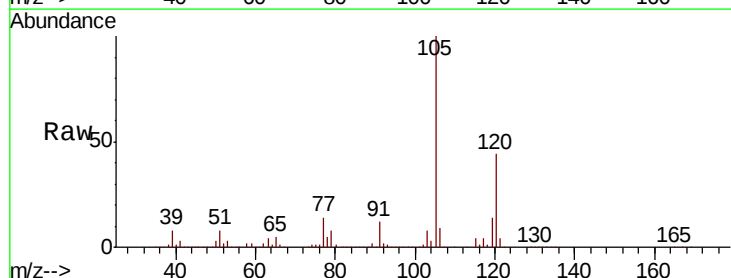
Acq: 30 Mar 2019 11:42

Tgt Ion:105 Resp: 665203

Ion Ratio Lower Upper

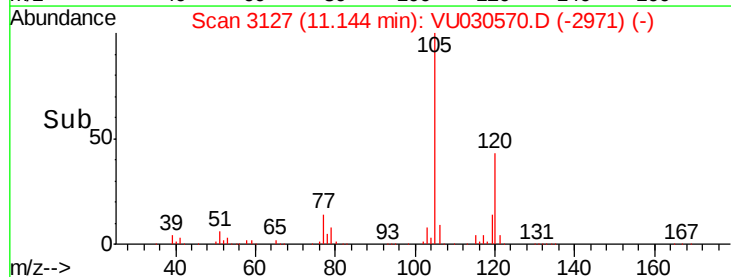
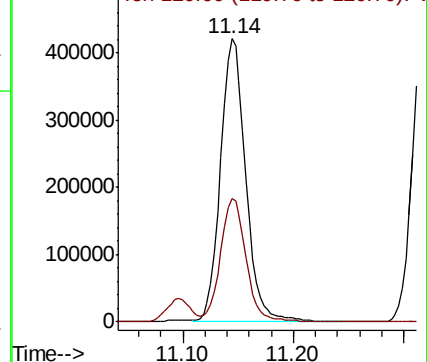
105 100

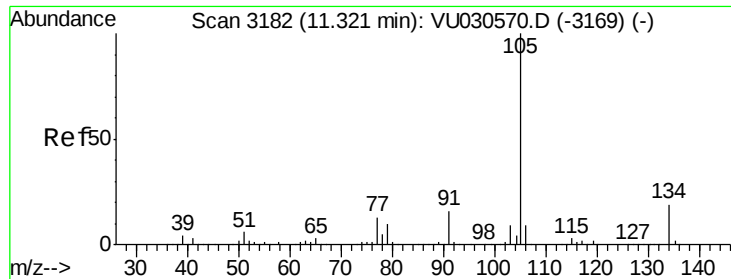
120 44.3 22.1 66.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#79

sec-Butylbenzene

Concen: 10.597 ug/l

RT: 11.32 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VU030570.D

Acq: 30 Mar 2019 11:42

Instrument :

MSVOA_U

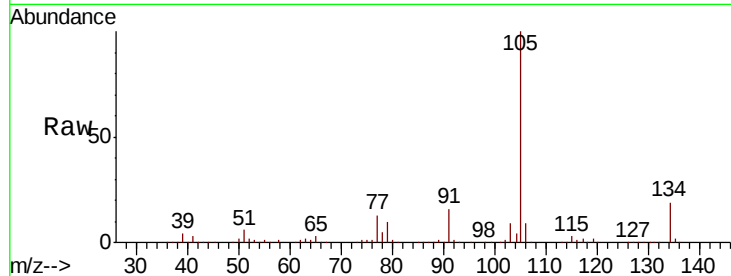
ClientSampleId :

Tot Ion:105 Resp: 840697

Ion Ratio Lower Upper

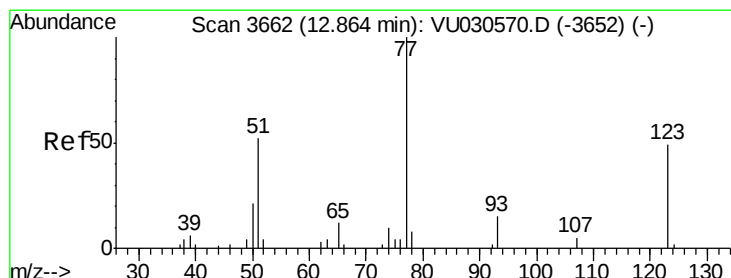
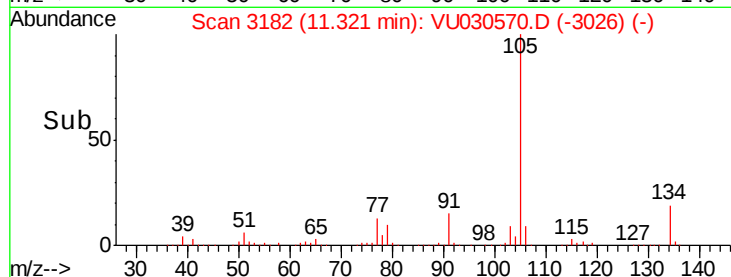
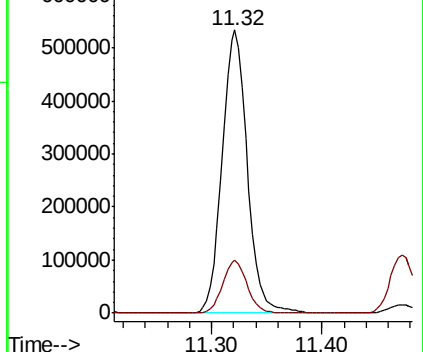
105 100

134 18.4 14.7 22.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#80

Nitrobenzene

Concen: 50.570 ug/l

RT: 12.86 min Scan# 3662

Delta R.T. 0.00 min

Lab File: VU030570.D

Acq: 30 Mar 2019 11:42

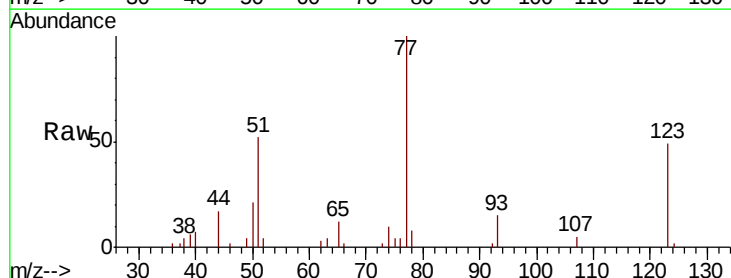
Tgt Ion: 77 Resp: 12795

Ion Ratio Lower Upper

77 100

123 39.8 17.5 62.1

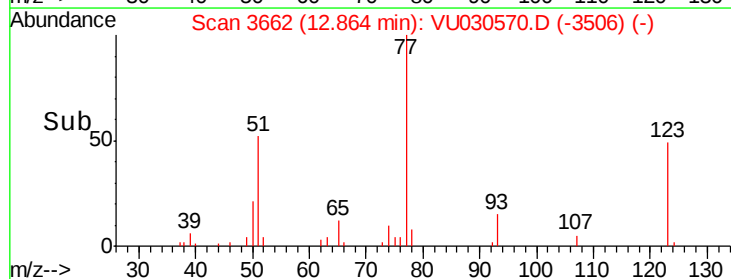
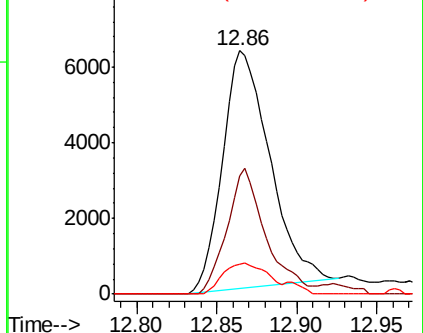
65 9.2 8.1 10.3

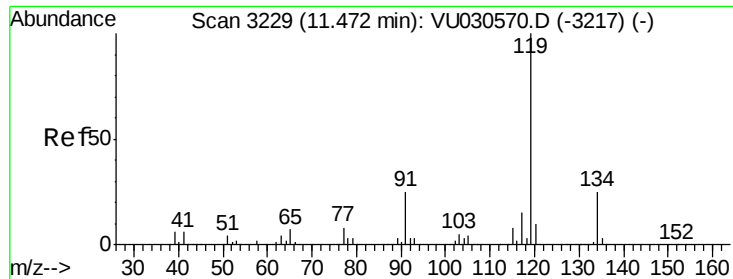


Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0

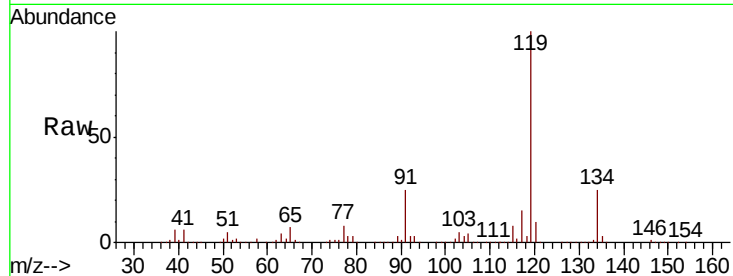




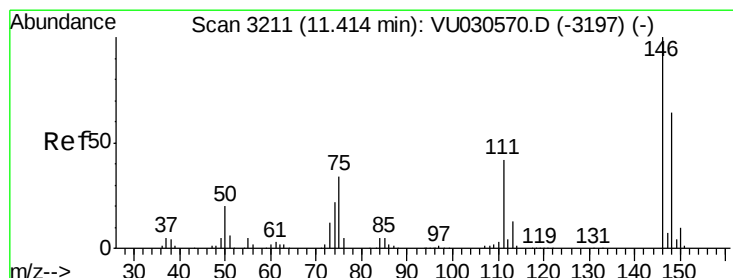
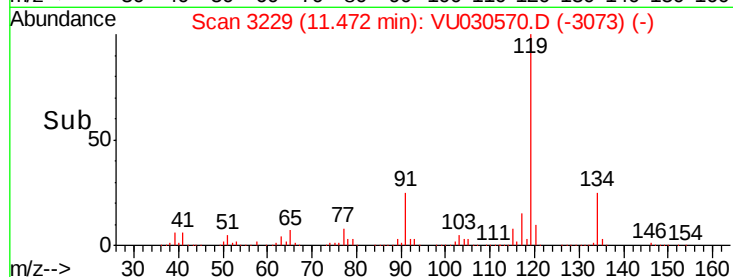
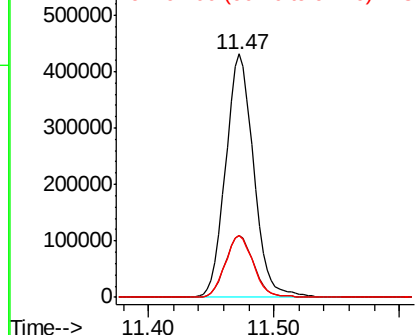
#81
 p-Isopropyltoluene
 Concen: 10.125 ug/l
 RT: 11.47 min Scan# 3229
 Delta R.T. 0.00 min
 Lab File: VU030570.D
 Acq: 30 Mar 2019 11:42

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:119 Resp: 664674
 Ion Ratio Lower Upper
 119 100
 134 25.8 20.6 31.0
 91 25.5 20.4 30.6

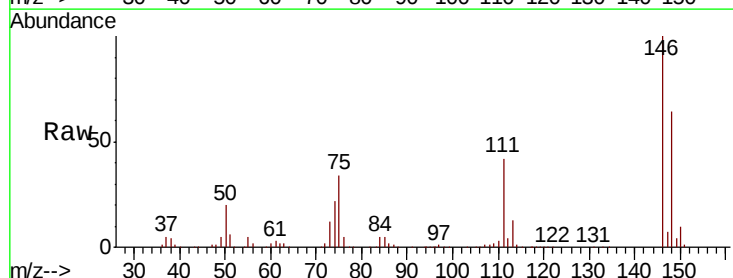


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 134.00 (133.70 to 134.70): V
 Ion 91.00 (90.70 to 91.70): V

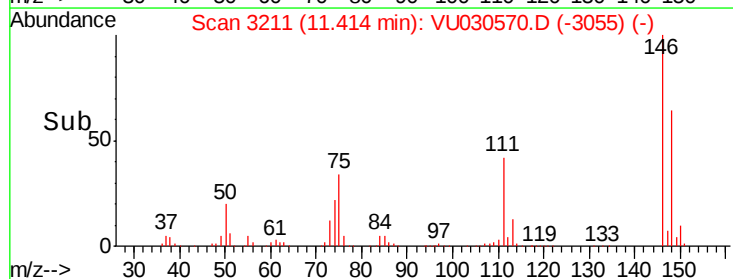
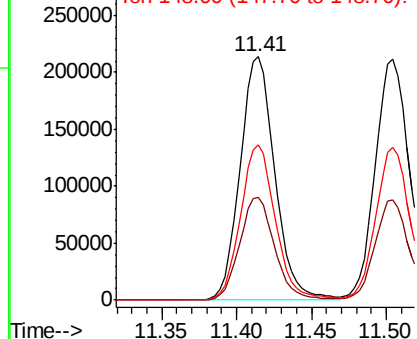


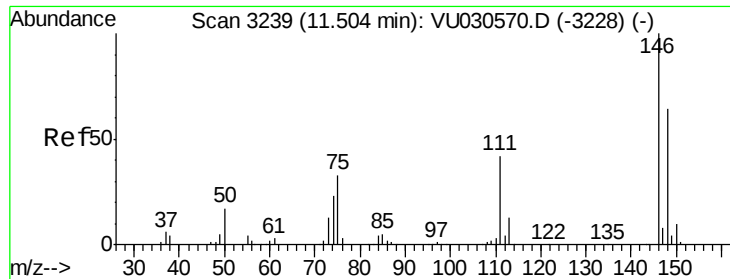
#82
 1,3-Dichlorobenzene
 Concen: 9.351 ug/l
 RT: 11.41 min Scan# 3211
 Delta R.T. 0.00 min
 Lab File: VU030570.D
 Acq: 30 Mar 2019 11:42

Tgt Ion:146 Resp: 346436
 Ion Ratio Lower Upper
 146 100
 111 42.5 34.0 51.0
 148 63.8 51.0 76.6



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

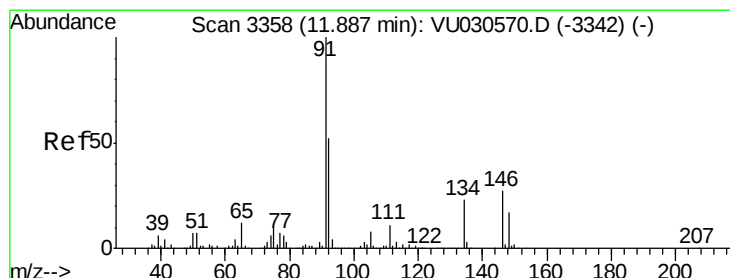
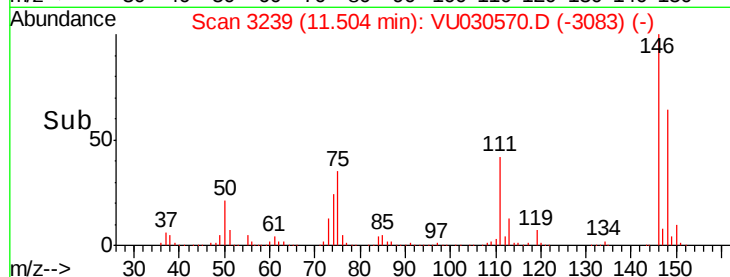
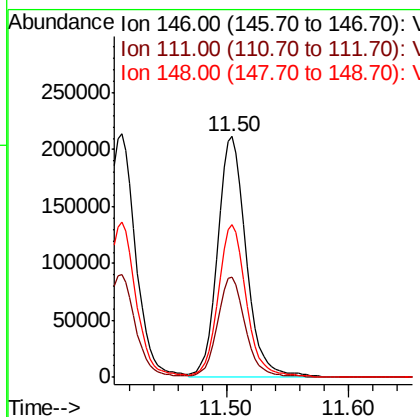
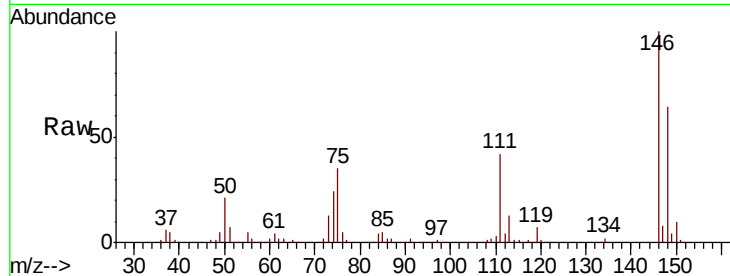




#83
 1,4-Dichlorobenzene
 Concen: 9.321 ug/l
 RT: 11.50 min Scan# 3239
 Delta R.T. 0.00 min
 Lab File: VU030570.D
 Acq: 30 Mar 2019 11:42

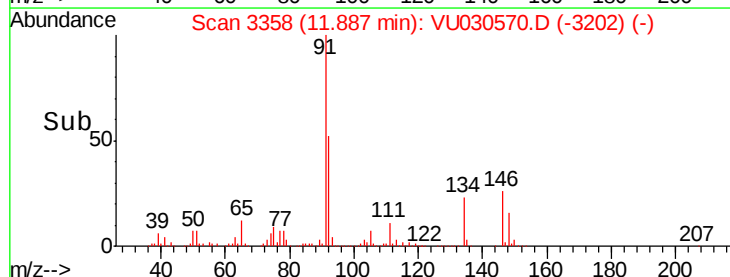
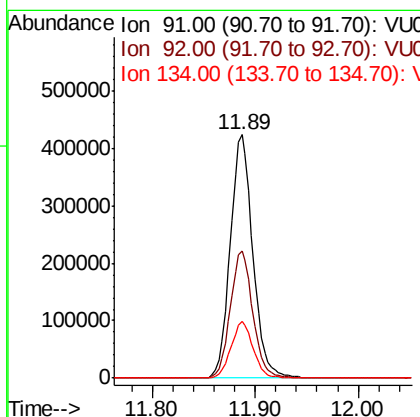
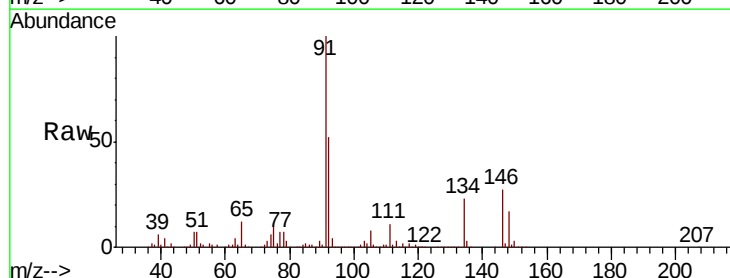
Instrument :
 MSVOA_U
 ClientSampleId :

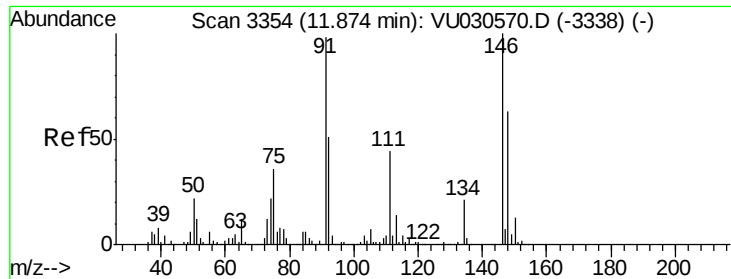
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	32.8	49.2
148	63.1	50.5	75.7



#84
 n-Butylbenzene
 Concen: 10.478 ug/l
 RT: 11.89 min Scan# 3358
 Delta R.T. 0.00 min
 Lab File: VU030570.D
 Acq: 30 Mar 2019 11:42

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.1	41.7	62.5
134	22.9	18.3	27.5





#85

1,2-Dichlorobenzene

Concen: 9.396 ug/l

RT: 11.87 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VU030570.D

Acq: 30 Mar 2019 11:42

Instrument :

MSVOA_U

ClientSampled :

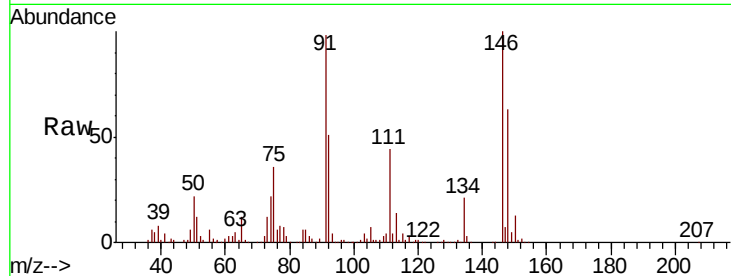
Tot Ion:146 Resp: 324519

Ion Ratio Lower Upper

146 100

111 43.7 21.9 65.5

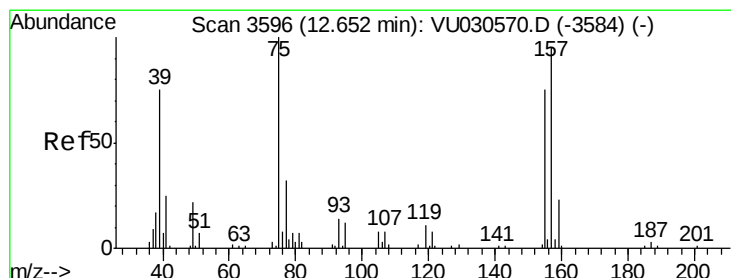
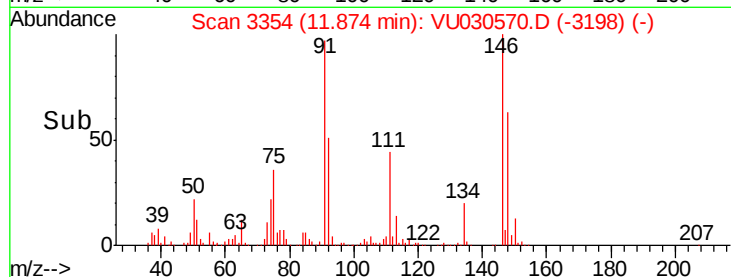
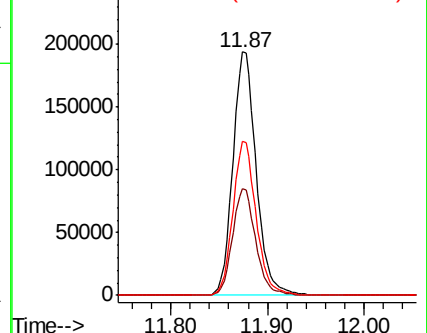
148 63.0 31.5 94.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#86

1,2-Dibromo-3-Chloropropane

Concen: 11.987 ug/l

RT: 12.65 min Scan# 3596

Delta R.T. 0.00 min

Lab File: VU030570.D

Acq: 30 Mar 2019 11:42

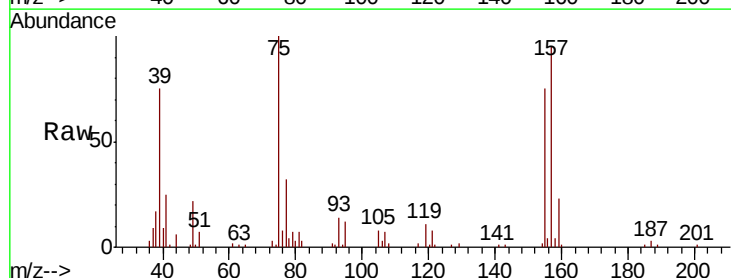
Tgt Ion: 75 Resp: 25376

Ion Ratio Lower Upper

75 100

155 74.6 59.7 89.5

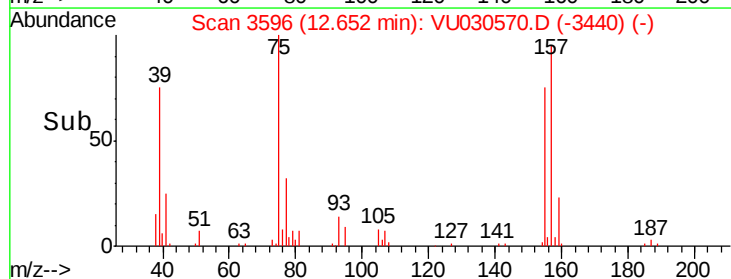
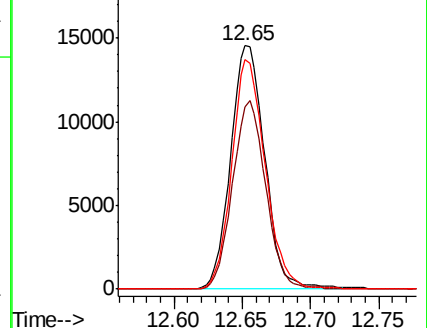
157 92.1 73.7 110.5

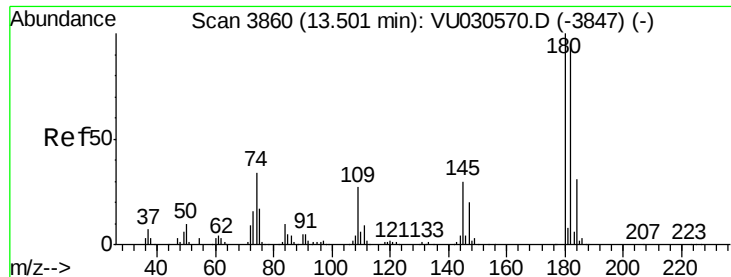


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

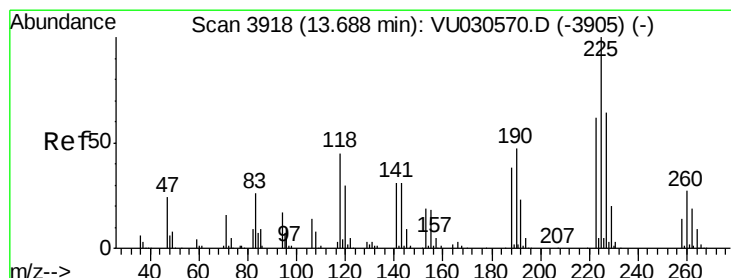
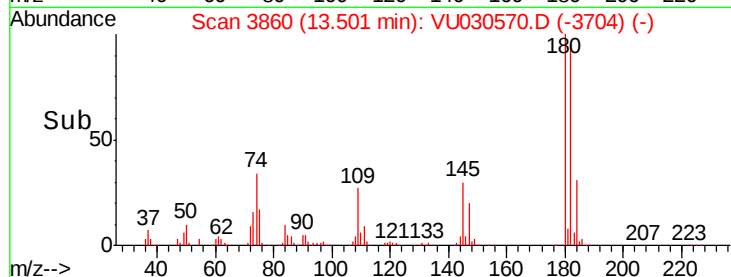
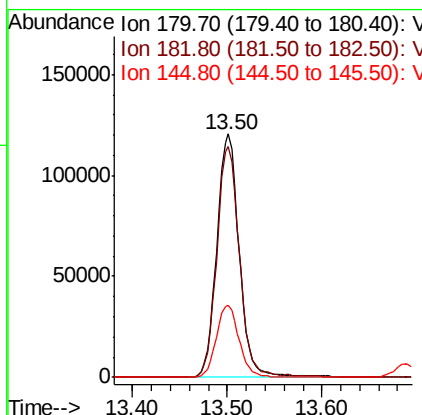
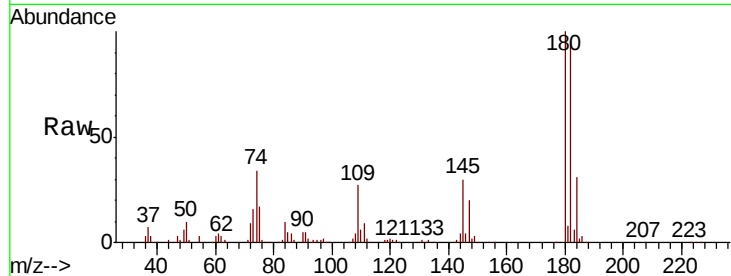




#87
 1,2,4-Trichlorobenzene
 Concen: 8.195 ug/l
 RT: 13.50 min Scan# 3860
 Delta R.T. 0.00 min
 Lab File: VU030570.D
 Acq: 30 Mar 2019 11:42

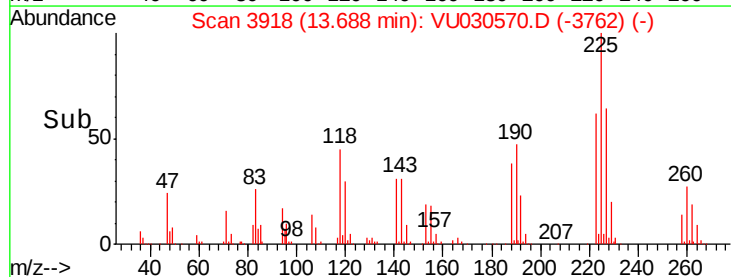
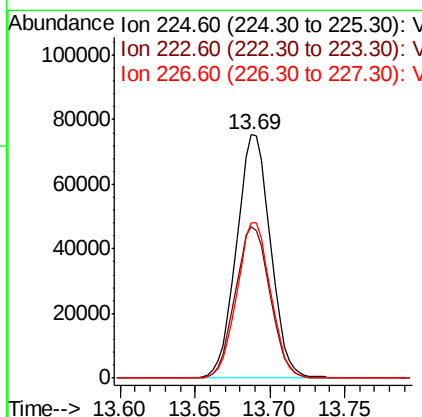
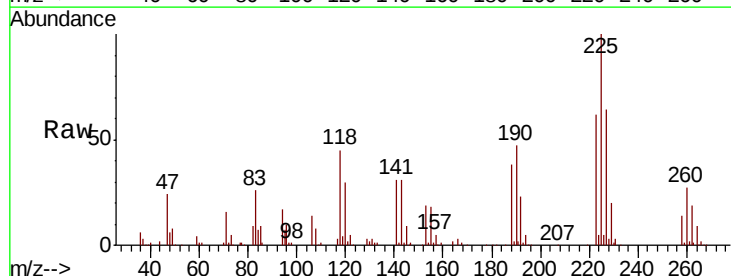
Instrument :
 MSVOA_U
 ClientSampleId :

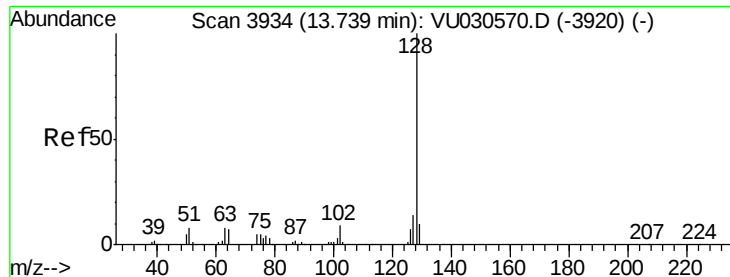
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.0	114.0
145	30.4	24.3	36.5



#88
 Hexachlorobutadiene
 Concen: 8.913 ug/l
 RT: 13.69 min Scan# 3918
 Delta R.T. 0.00 min
 Lab File: VU030570.D
 Acq: 30 Mar 2019 11:42

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.4	50.7	76.1
227	63.5	50.8	76.2

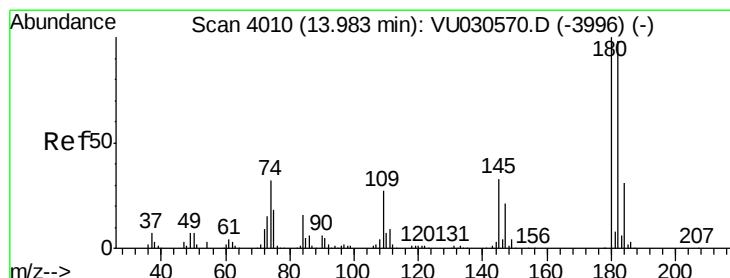
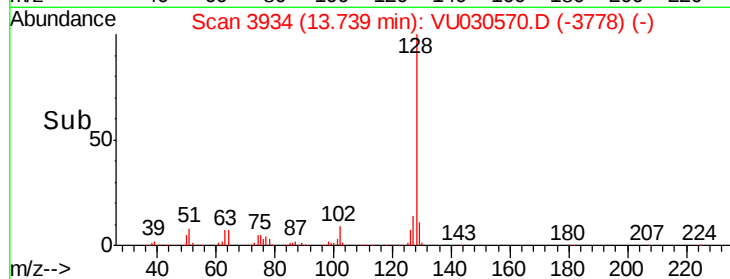
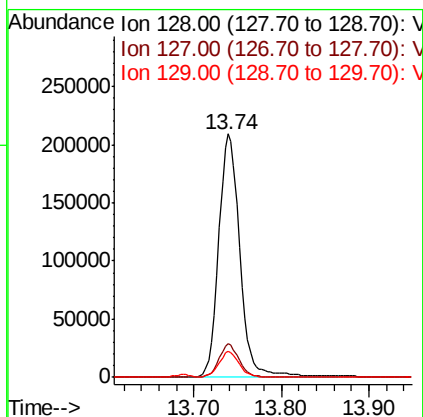
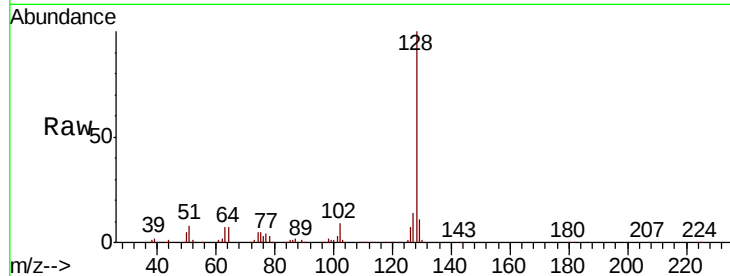




#89
Naphthalene
Concen: 9.306 ug/l
RT: 13.74 min Scan# 3934
Delta R.T. 0.00 min
Lab File: VU030570.D
Acq: 30 Mar 2019 11:42

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:128 Resp: 353137
Ion Ratio Lower Upper
128 100
127 13.0 10.4 15.6
129 9.8 7.8 11.8



#90
1,2,3-Trichlorobenzene
Concen: 8.475 ug/l
RT: 13.98 min Scan# 4010
Delta R.T. 0.00 min
Lab File: VU030570.D
Acq: 30 Mar 2019 11:42

Tgt Ion:180 Resp: 186840
Ion Ratio Lower Upper
180 100
182 95.7 76.6 114.8
145 32.4 25.9 38.9

