

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU033119\
 Data File : VU030566.D
 Acq On : 30 Mar 2019 09:54
 Operator : JC/SP
 Sample : VSTDIC0.5
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Mar 31 00:42:58 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	51535	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	26782	1.41	ug/l	0.00
Spiked Amount 1.000			Recovery	=	141.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	16712	0.80	ug/l	0.00
Spiked Amount 1.000			Recovery	=	80.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.20	85	11857	0.605	ug/l	98
3) Chloromethane	1.32	50	17563	0.782	ug/l	100
4) Vinyl Chloride	1.40	62	12850	0.659	ug/l	92
5) Bromomethane	1.63	94	7050	0.663	ug/l	85
6) Chloroethane	1.70	64	9984	0.894	ug/l	89
7) Trichlorofluoromethane	1.88	101	15026	0.611	ug/l	94
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	7901	0.600	ug/l	98
9) 1,1-Dichloroethene	2.28	96	7256	0.555	ug/l	89
10) Iodomethane	2.41	142	5414	0.482	ug/l	91
11) Allyl Chloride	2.59	41	16443	0.812	ug/l	95
12) Acrylonitrile	2.94	53	4839	1.628	ug/l	91
13) Acetone	2.33	43	11733	4.463	ug/l	96
14) Carbon Disulfide	2.47	76	29550	0.643	ug/l	98
15) Methylene Chloride	2.69	84	11177	0.713	ug/l	88
16) trans-1,2-Dichloroethene	2.97	96	9072	0.604	ug/l	94
17) 1,1-Dichloroethane	3.44	63	18265	0.694	ug/l	97
18) 2-Butanone	4.30	43	12797	3.509	ug/l	94
19) Cyclohexane	4.98	56	12833	0.566	ug/l	94
20) Methylcyclohexane	6.41	83	11886	0.497	ug/l	95
21) 2,2-Dichloropropane	4.22	77	13321	0.610	ug/l	100
22) cis-1,2-Dichloroethene	4.22	96	8340	0.501	ug/l	93
23) Diethyl Ether	2.10	59	6981	0.683	ug/l #	84
24) tert-Butyl Alcohol	2.86	59	7237	6.634	ug/l	97
25) Methyl tert-Butyl Ether	3.00	73	20173	0.594	ug/l	99
26) Bromochloromethane	4.55	128	3550	0.496	ug/l	95
27) Chloroform	4.67	83	15711	0.575	ug/l	98
28) 1,1,1-Trichloroethane	4.90	97	13544	0.607	ug/l	96
29) 1,1-Dichloropropene	5.13	75	11649	0.575	ug/l	95
30) Carbon Tetrachloride	5.13	117	11044	0.559	ug/l	97
31) Isopropyl Ether	3.58	45	26641	0.692	ug/l	94
32) Ethyl-t-butyl ether	4.07	59	20539	0.576	ug/l	97
33) Tert-Amyl methyl ether	5.58	73	15147	0.473	ug/l	98
34) Propionitrile	4.36	54	2864	2.833	ug/l #	74
35) Benzene	5.39	78	33254	0.559	ug/l	96
36) 1,2-Dichloroethane	5.41	62	11125	0.680	ug/l	99
37) Trichloroethene	6.18	130	8043	0.485	ug/l	97
38) 1,2-Dichloropropane	6.43	63	9892	0.643	ug/l	89
39) Methacrylonitrile	4.56	41	2794	0.621	ug/l #	91
40) Methyl acrylate	4.45	55	3366	0.492	ug/l #	76
41) Tetrahydrofuran	4.67	42	3112	1.274	ug/l #	65
42) 1-Chlorobutane	5.06	56	16984	0.619	ug/l	93

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 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

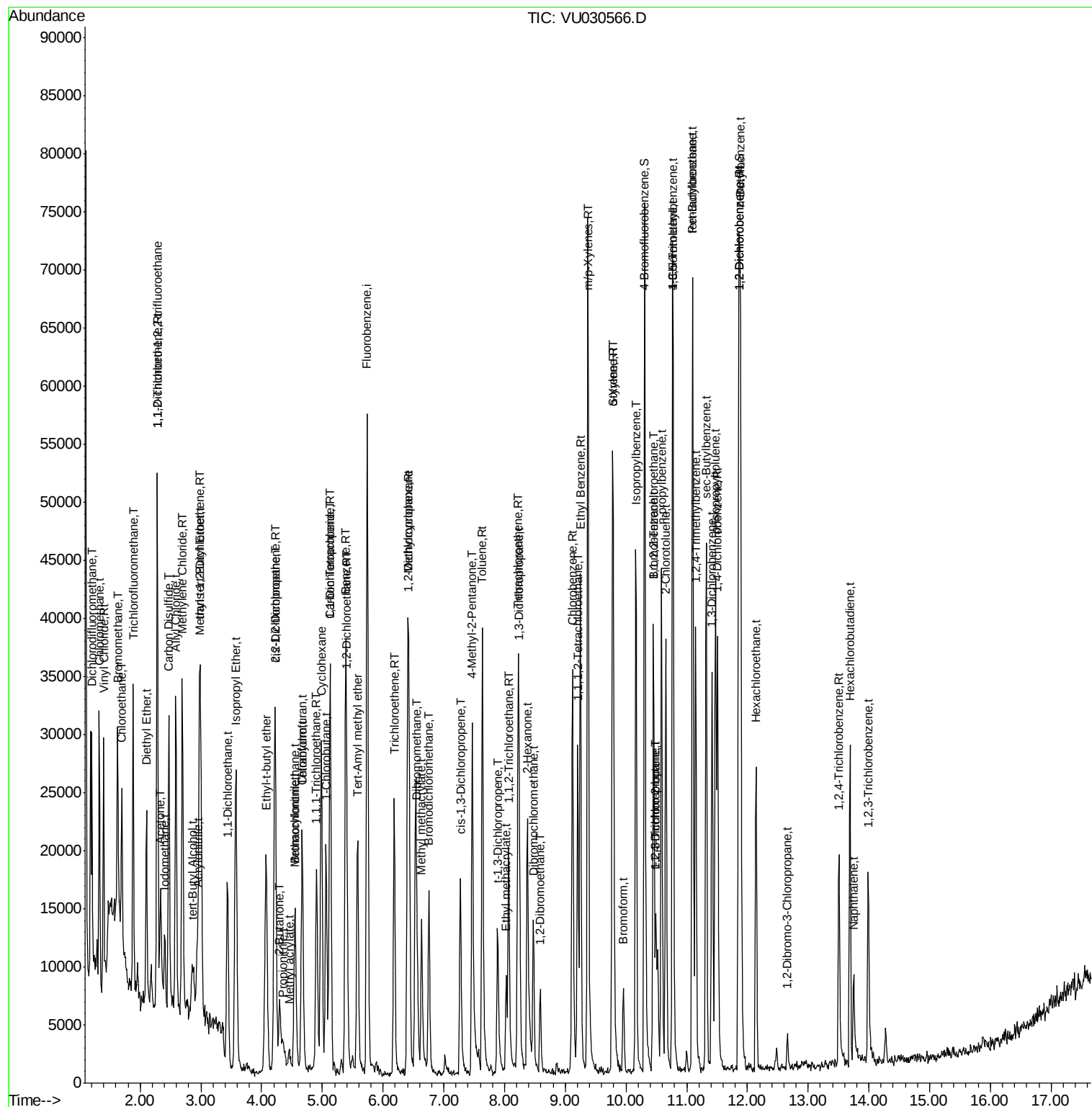
43) Dibromomethane	6.56	93	4264	0.547	ug/l	96
44) Bromodichloromethane	6.76	83	11344	0.602	ug/l	94
45) 4-Methyl-2-Pentanone	7.47	43	26833	3.265	ug/l	93
46) t-1,4-Dichloro-2-butene	10.49	75	8663	2.876	ug/l #	46
47) Methyl methacrylate	6.64	69	6045	0.915	ug/l	92
48) Ethyl methacrylate	8.04	69	5178	0.418	ug/l	95
49) Toluene	7.64	92	17340	0.490	ug/l	98
50) t-1,3-Dichloropropene	7.89	75	8479	0.505	ug/l #	87
51) cis-1,3-Dichloropropene	7.27	75	11240	0.537	ug/l	99
52) 1,1,2-Trichloroethane	8.07	97	5806	0.532	ug/l	95
53) 1,3-Dichloropropane	8.24	76	10762	0.580	ug/l	100
54) 2-Hexanone	8.38	43	22010	3.756	ug/l	88
55) Dibromochloromethane	8.48	129	6250	0.481	ug/l	93
56) 1,2-Dibromoethane	8.59	107	5406	0.520	ug/l	98
58) Tetrachloroethene	8.22	164	7501	0.499	ug/l	98
59) Chlorobenzene	9.12	112	20507	0.512	ug/l	95
60) 1,1,1,2-Tetrachloroethane	9.21	131	6840	0.487	ug/l	99
61) Pentachloroethane	11.10	117	5613	0.513	ug/l	97
62) Hexachloroethane	12.14	117	4661	0.435	ug/l	92
63) Ethyl Benzene	9.25	91	30625	0.459	ug/l	97
64) m/p-Xylenes	9.37	106	21709	0.842	ug/l	89
65) o-Xylene	9.78	106	10727	0.424	ug/l	94
66) Styrene	9.79	104	16177	0.387	ug/l	97
67) Bromoform	9.95	173	3612	0.491	ug/l #	96
69) Isopropylbenzene	10.16	105	29153	0.438	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.45	83	7561	0.553	ug/l	98
71) 1,2,3-Trichloropropane	10.49	75	8663	0.874	ug/l #	69
72) Bromobenzene	10.45	156	7374	0.432	ug/l	77
73) n-propylbenzene	10.59	120	7129	0.382	ug/l	98
74) 2-Chlorotoluene	10.66	126	6367	0.388	ug/l	85
75) 1,3,5-Trimethylbenzene	10.77	105	21334	0.378	ug/l	100
76) 4-Chlorotoluene	10.77	126	6799	0.408	ug/l	94
77) tert-Butylbenzene	11.10	119	21728	0.395	ug/l	97
78) 1,2,4-Trimethylbenzene	11.15	105	22557	0.394	ug/l	91
79) sec-Butylbenzene	11.32	105	29640	0.402	ug/l	97
81) p-Isopropyltoluene	11.47	119	21059	0.345	ug/l	96
82) 1,3-Dichlorobenzene	11.42	146	15513	0.451	ug/l	98
83) 1,4-Dichlorobenzene	11.51	146	14166	0.409	ug/l	93
84) n-Butylbenzene	11.89	91	20911	0.364	ug/l	94
85) 1,2-Dichlorobenzene	11.88	146	15532	0.484	ug/l	99
86) 1,2-Dibromo-3-Chloropropan	12.66	75	1003	0.510	ug/l #	80
87) 1,2,4-Trichlorobenzene	13.50	180	6515	0.290	ug/l	99
88) Hexachlorobutadiene	13.69	225	5498	0.442	ug/l	96
89) Naphthalene	13.75	128	8129	0.230	ug/l	94
90) 1,2,3-Trichlorobenzene	13.99	180	6589	0.322	ug/l	97

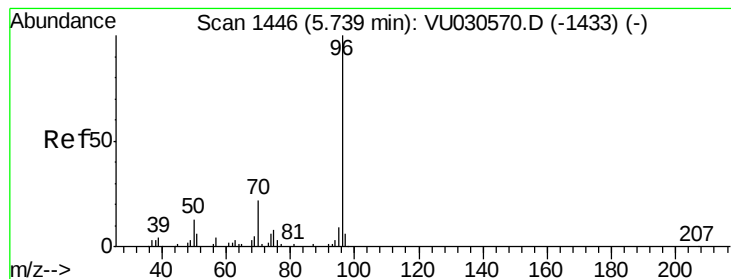
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.74 min Scan# 1446

Delta R.T. 0.00 min

Lab File: VU030566.D

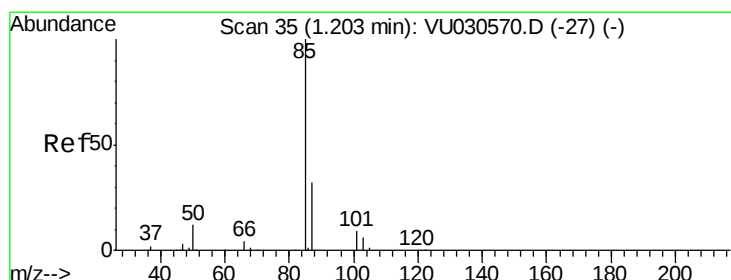
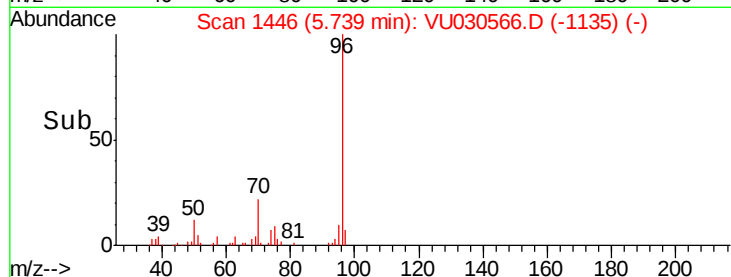
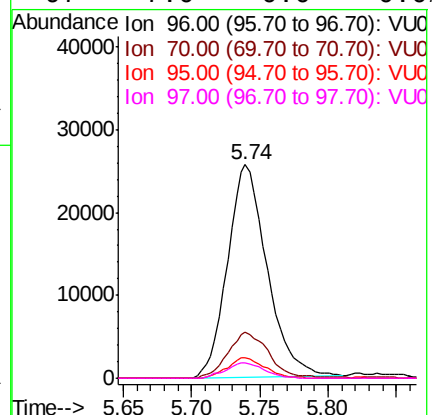
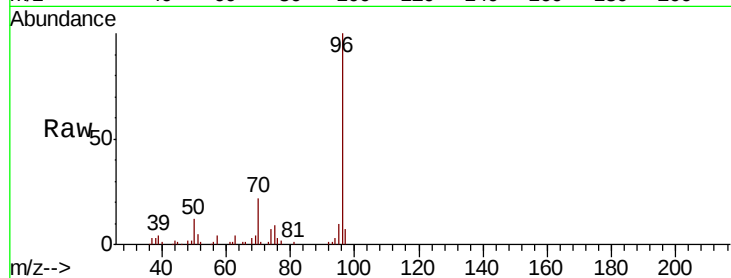
Acq: 30 Mar 2019 09:54

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion:	96	Resp:	51535
Ion	Ratio	Lower	Upper
96	100		
70	21.4	15.6	23.4
95	9.2	7.3	10.9
97	7.0	0.0	0.0#



#2

Dichlorodifluoromethane

Concen: 0.605 ug/l

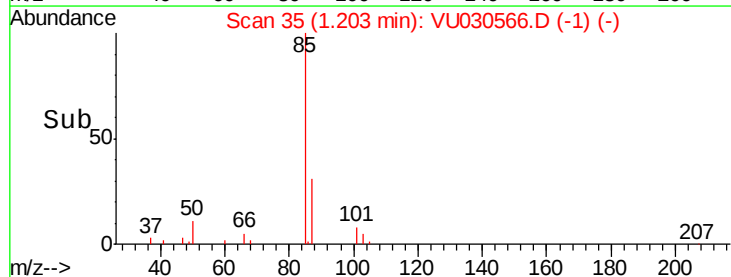
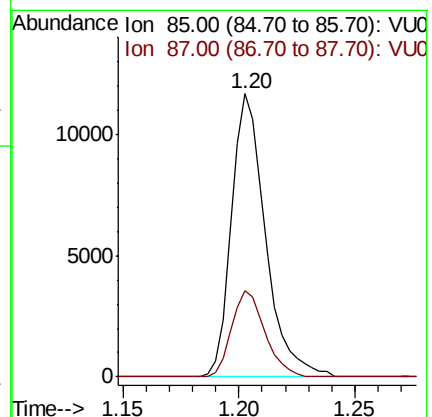
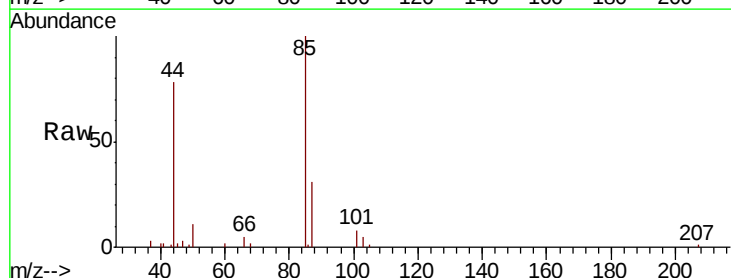
RT: 1.20 min Scan# 35

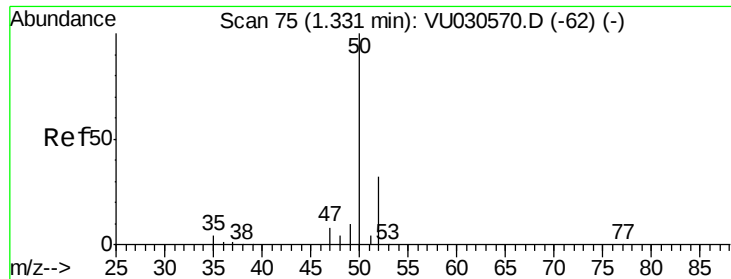
Delta R.T. 0.00 min

Lab File: VU030566.D

Acq: 30 Mar 2019 09:54

Tgt Ion:	85	Resp:	11857
Ion	Ratio	Lower	Upper
85	100		
87	30.6	15.9	47.6





#3

Chloromethane

Concen: 0.782 ug/l

RT: 1.32 min Scan# 73

Delta R.T. -0.01 min

Lab File: VU030566.D

Acq: 30 Mar 2019 09:54

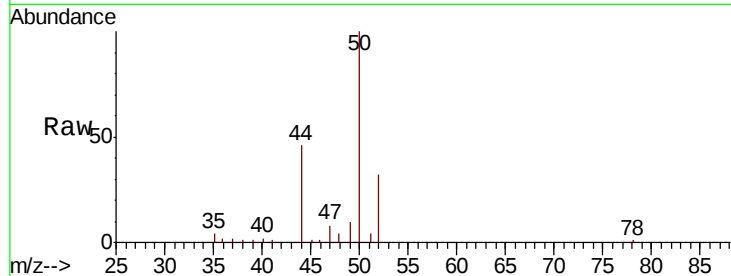
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 50 Resp: 17563

Ion Ratio Lower Upper

50 100

52 32.4 25.8 38.8



Abundance Ion 50.00 (49.70 to 50.70): VU030570.D (-62) (-)

Ion 52.00 (51.70 to 52.70): VU030570.D (-62) (-)

1.32

15000

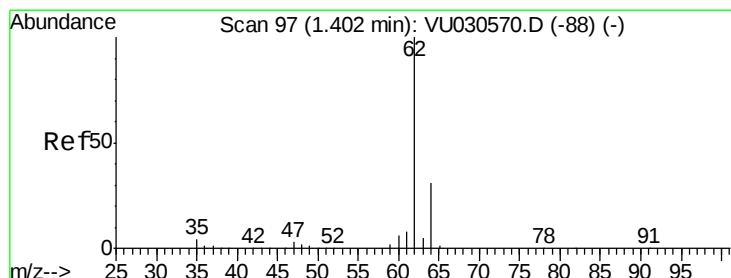
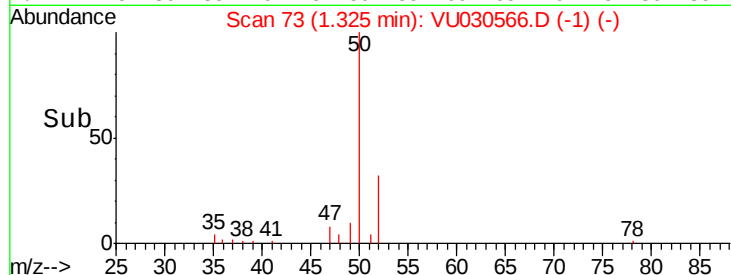
10000

5000

0

1.30 1.35 1.40

Time-->



#4

Vinyl Chloride

Concen: 0.659 ug/l

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU030566.D

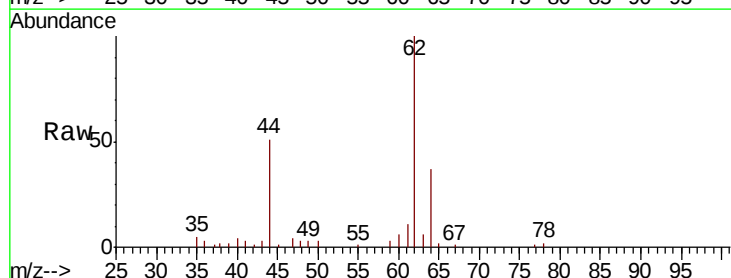
Acq: 30 Mar 2019 09:54

Tgt Ion: 62 Resp: 12850

Ion Ratio Lower Upper

62 100

64 35.9 25.1 37.7



Abundance Ion 62.00 (61.70 to 62.70): VU030570.D (-88) (-)

Ion 64.00 (63.70 to 64.70): VU030570.D (-88) (-)

1.40

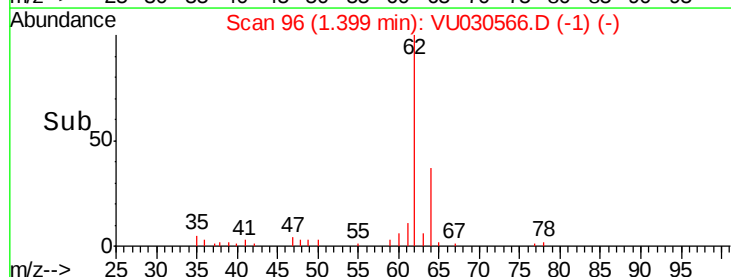
10000

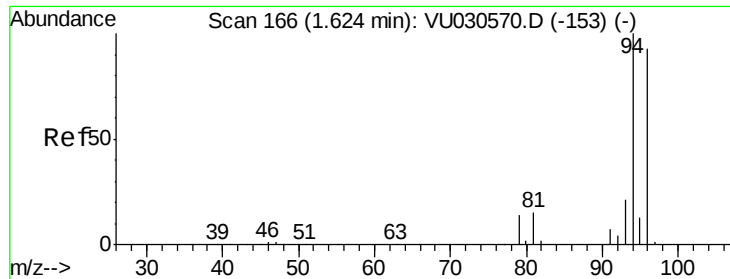
5000

0

1.35 1.40 1.45

Time-->





#5

Bromomethane

Concen: 0.663 ug/l

RT: 1.63 min Scan# 168

Delta R.T. 0.01 min

Lab File: VU030566.D

Acq: 30 Mar 2019 09:54

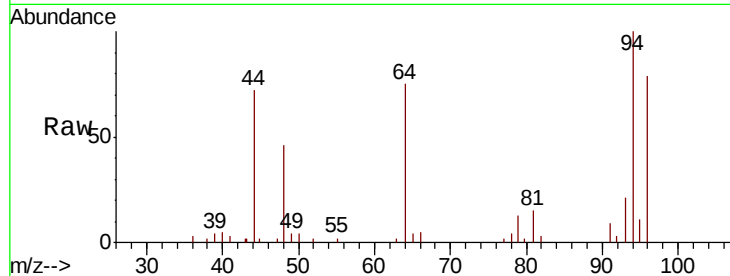
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 94 Resp: 7050

Ion Ratio Lower Upper

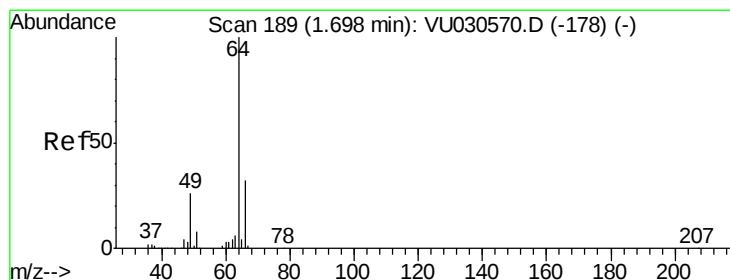
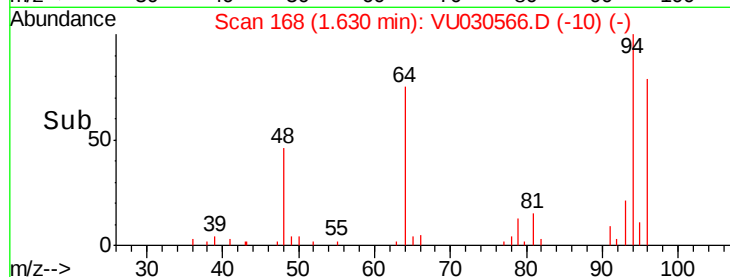
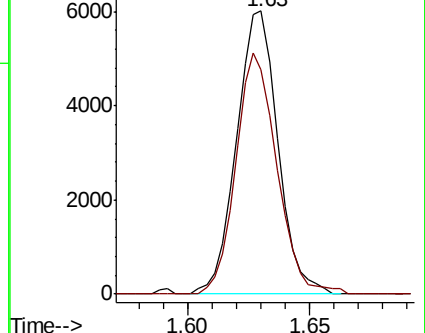
94 100

96 79.3 74.8 112.2



Abundance Ion 94.00 (93.70 to 94.70): VU030566.D (-10) (-)

Ion 96.00 (95.70 to 96.70): VU030566.D (-10) (-)



#6

Chloroethane

Concen: 0.894 ug/l

RT: 1.70 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU030566.D

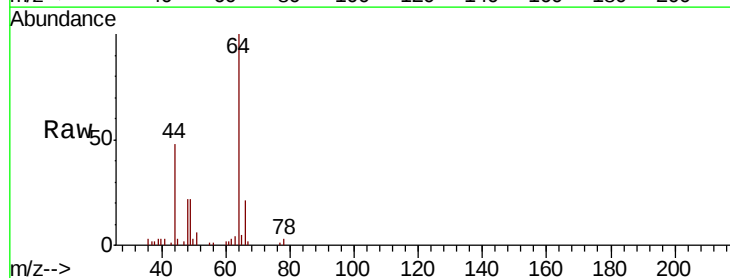
Acq: 30 Mar 2019 09:54

Tgt Ion: 64 Resp: 9984

Ion Ratio Lower Upper

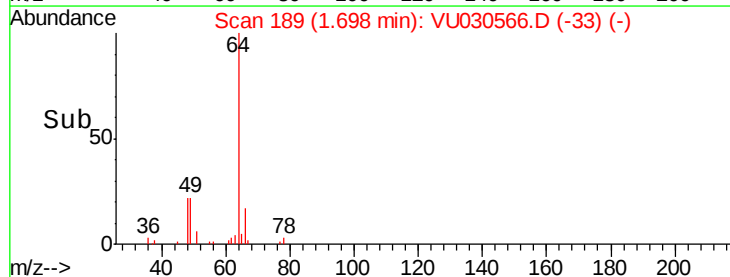
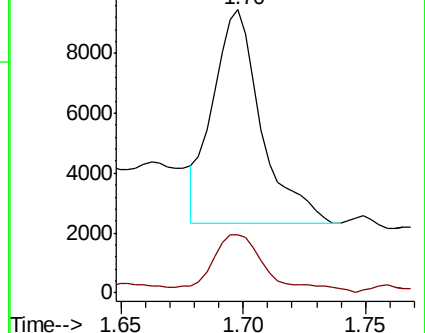
64 100

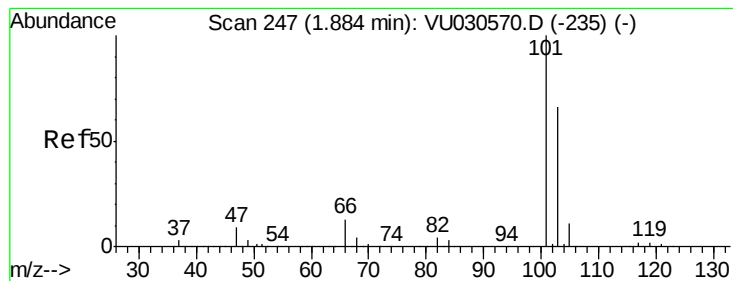
66 25.5 25.5 38.3



Abundance Ion 64.00 (63.70 to 64.70): VU030566.D (-33) (-)

Ion 66.00 (65.70 to 66.70): VU030566.D (-33) (-)



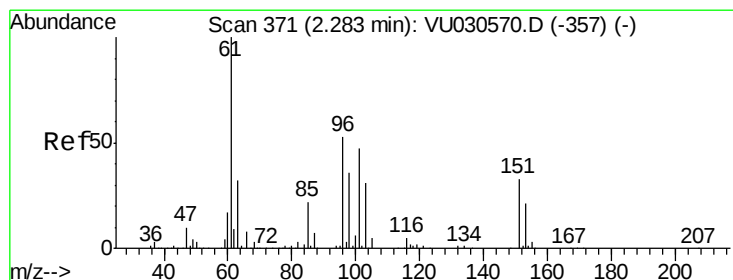
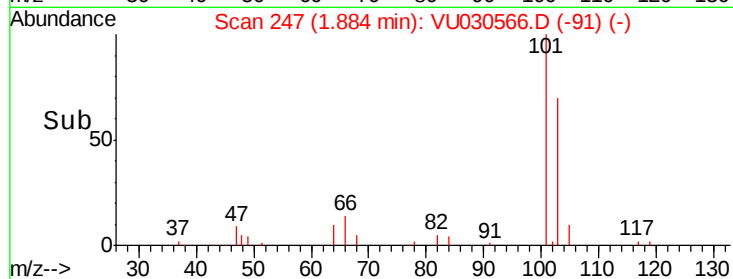
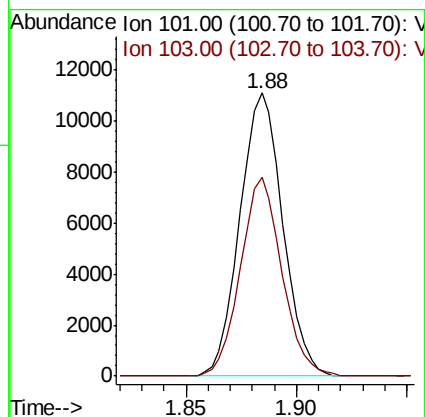
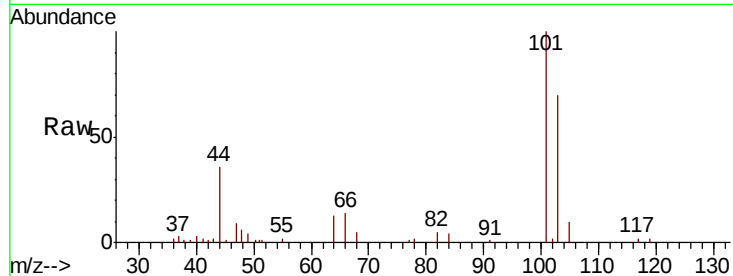


#7

Trichlorofluoromethane
 Concen: 0.611 ug/l
 RT: 1.88 min Scan# 247
 Delta R.T. 0.00 min
 Lab File: VU030566.D
 Acq: 30 Mar 2019 09:54

Instrument :
 MSVOA_U
 ClientSampled :

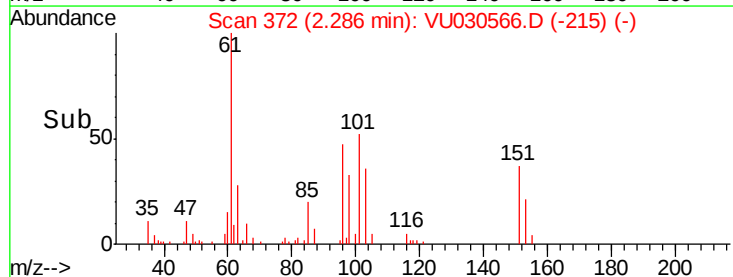
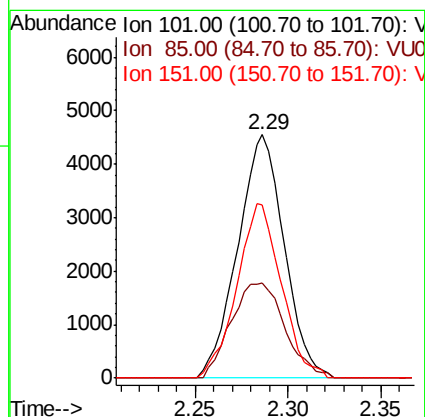
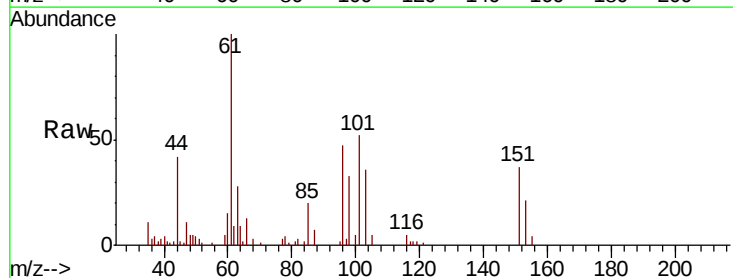
Tot Ion:101 Resp: 15026
 Ion Ratio Lower Upper
 101 100
 103 70.3 52.6 79.0

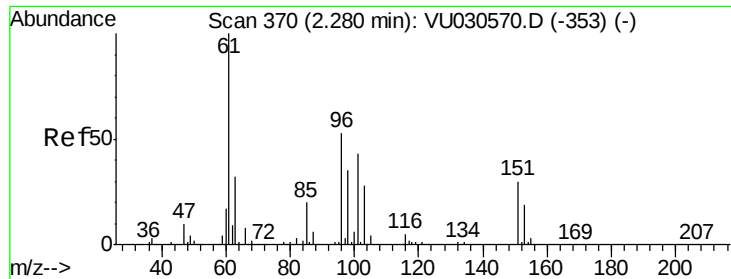


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.600 ug/l
 RT: 2.29 min Scan# 372
 Delta R.T. 0.00 min
 Lab File: VU030566.D
 Acq: 30 Mar 2019 09:54

Tgt Ion:101 Resp: 7901
 Ion Ratio Lower Upper
 101 100
 85 45.2 36.5 54.7
 151 68.6 56.5 84.7





#9

1,1-Dichloroethene

Concen: 0.555 ug/l

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU030566.D

Acq: 30 Mar 2019 09:54

Instrument :
MSVOA_U
ClientSampled :

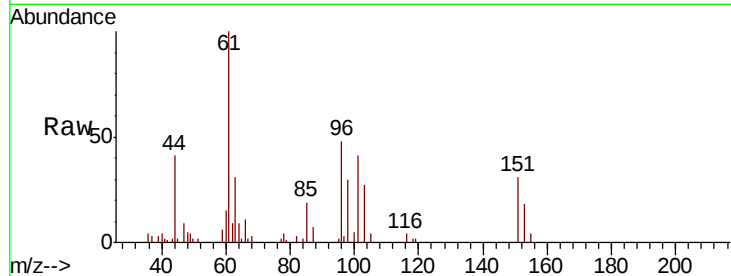
Tot Ion: 96 Resp: 7256

Ion Ratio Lower Upper

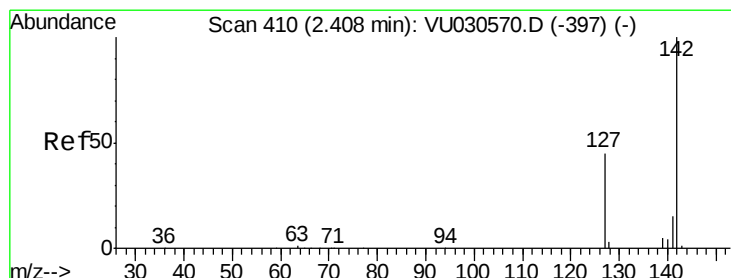
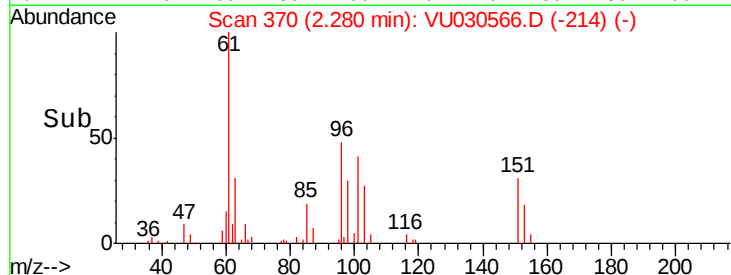
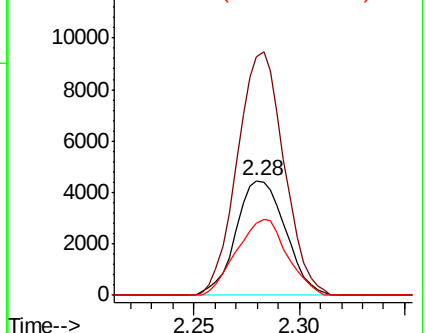
96 100

61 208.2 0.0 567.0

98 63.2 0.0 132.2



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



#10

Iodomethane

Concen: 0.482 ug/l

RT: 2.41 min Scan# 409

Delta R.T. -0.00 min

Lab File: VU030566.D

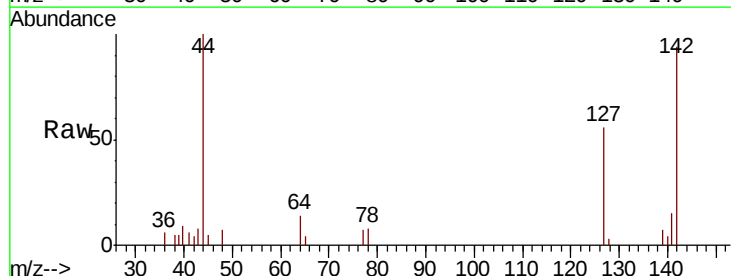
Acq: 30 Mar 2019 09:54

Tgt Ion: 142 Resp: 5414

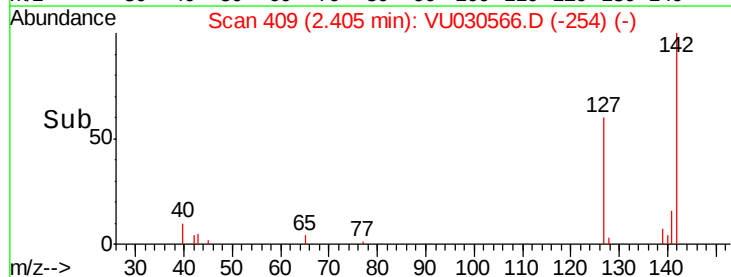
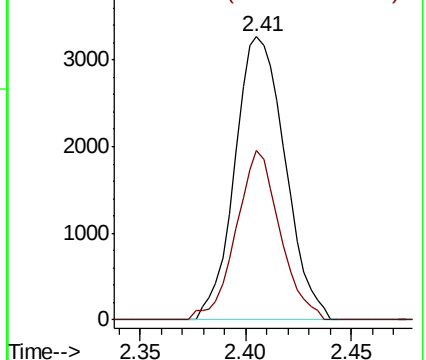
Ion Ratio Lower Upper

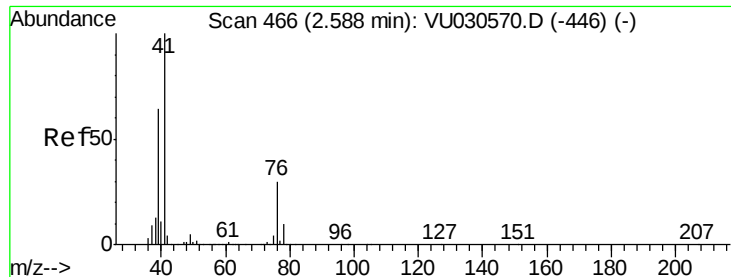
142 100

127 52.1 36.8 55.2



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

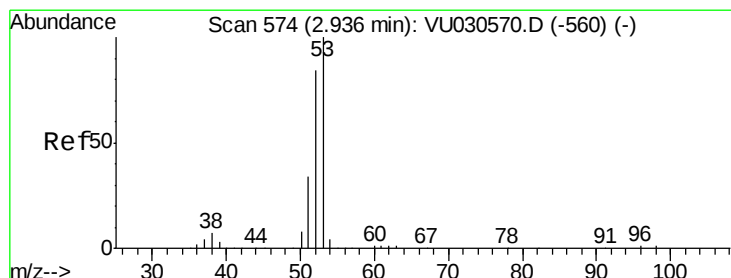
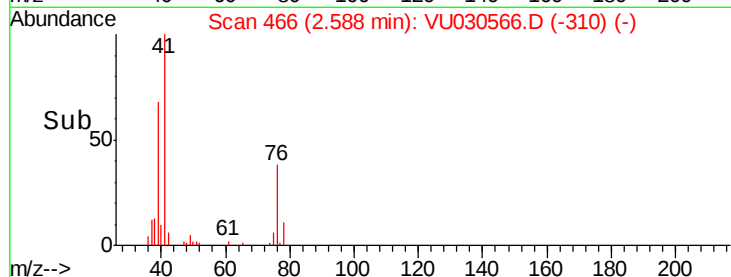
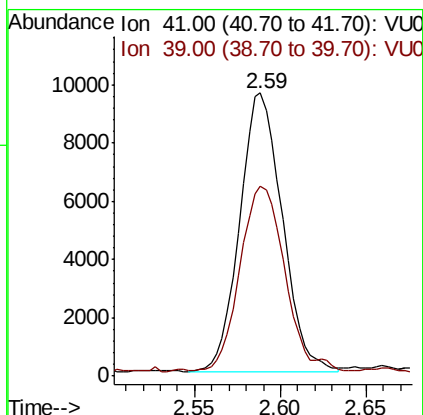
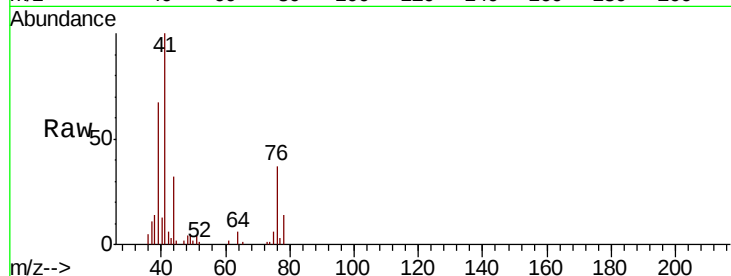




#11
Allvl Chloride
Concen: 0.812 ug/l
RT: 2.59 min Scan# 466
Delta R.T. 0.00 min
Lab File: VU030566.D
Acq: 30 Mar 2019 09:54

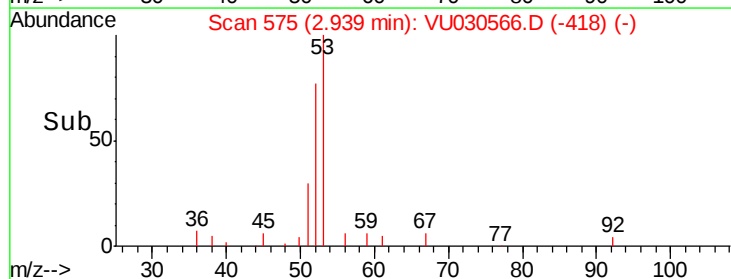
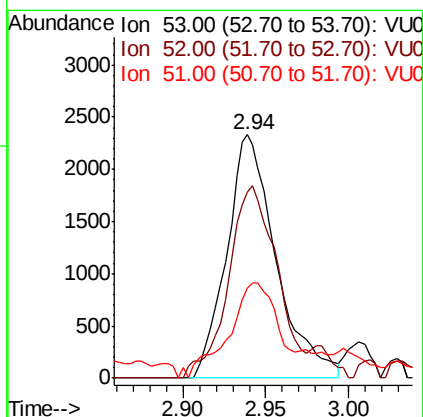
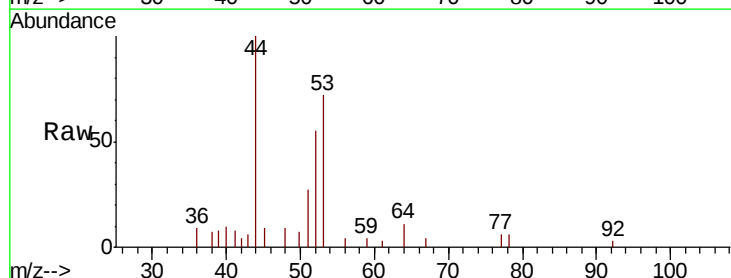
Instrument :
MSVOA_U
ClientSampled :

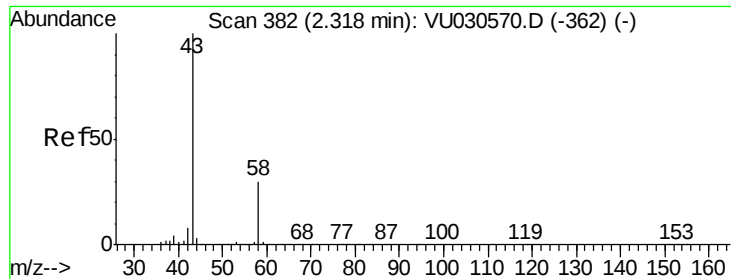
Tot Ion: 41 Resp: 16443
Ion Ratio Lower Upper
41 100
39 69.0 51.8 77.6



#12
Acrylonitrile
Concen: 1.628 ug/l
RT: 2.94 min Scan# 575
Delta R.T. 0.00 min
Lab File: VU030566.D
Acq: 30 Mar 2019 09:54

Tgt Ion: 53 Resp: 4839
Ion Ratio Lower Upper
53 100
52 77.6 69.1 103.7
51 38.9 27.9 41.9





#13

Acetone

Concen: 4.463 ug/l

RT: 2.33 min Scan# 387

Delta R.T. 0.02 min

Lab File: VU030566.D

Acq: 30 Mar 2019 09:54

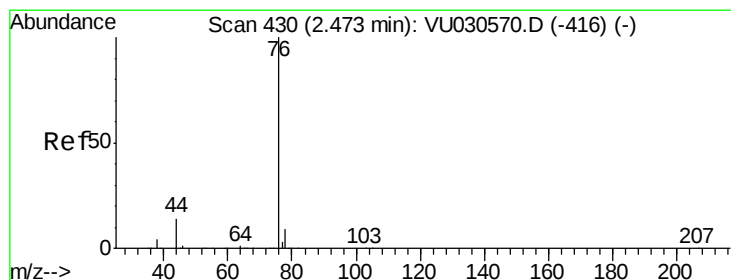
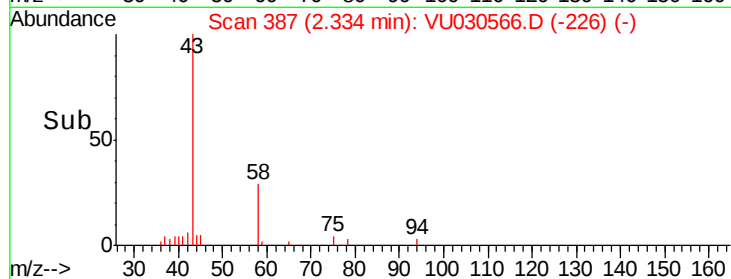
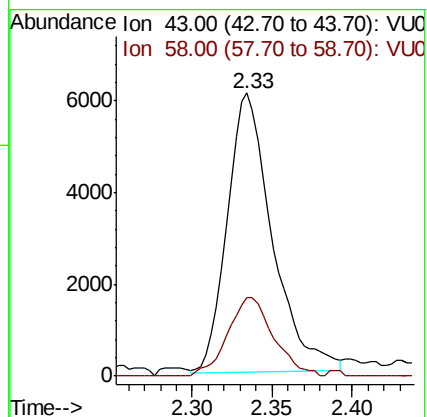
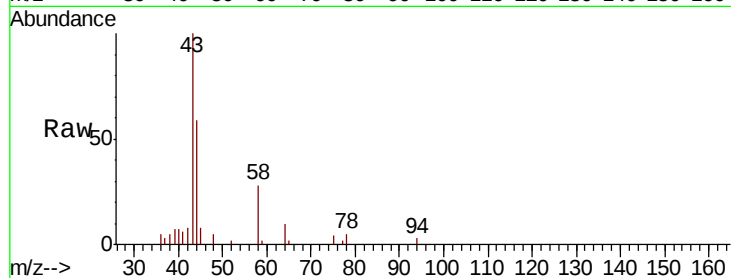
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 11733

Ion Ratio Lower Upper

43 100

58 28.4 24.2 36.4



#14

Carbon Disulfide

Concen: 0.643 ug/l

RT: 2.47 min Scan# 430

Delta R.T. 0.00 min

Lab File: VU030566.D

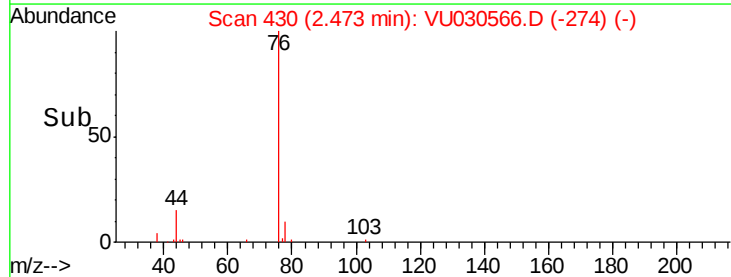
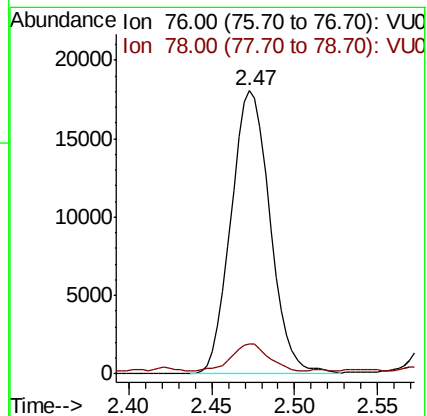
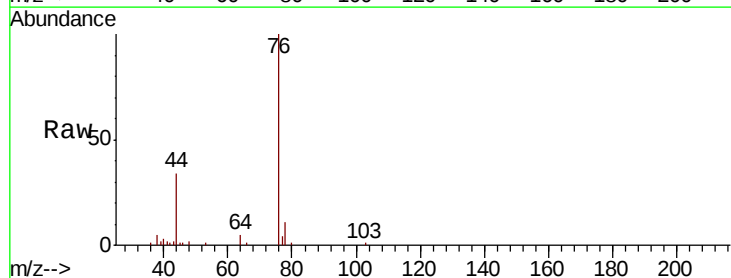
Acq: 30 Mar 2019 09:54

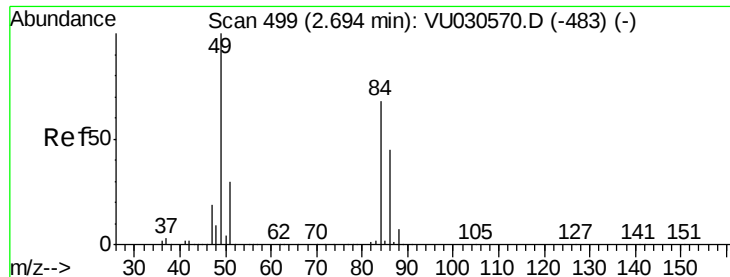
Tgt Ion: 76 Resp: 29550

Ion Ratio Lower Upper

76 100

78 9.7 7.3 10.9





#15

Methylene Chloride

Concen: 0.713 ug/l

RT: 2.69 min Scan# 499

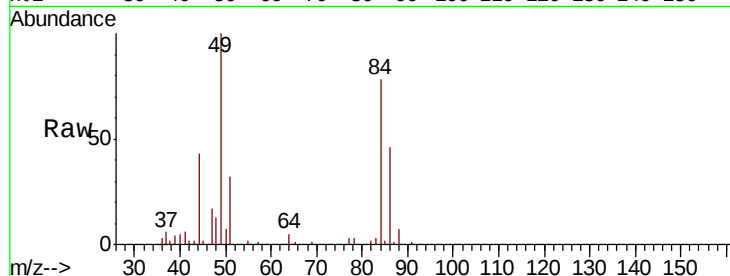
Delta R.T. 0.00 min

Lab File: VU030566.D

Acq: 30 Mar 2019 09:54

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:	84	Resp:	11177
Ion	Ratio	Lower	Upper
84	100		
49	127.5	117.0	175.6
51	40.9	0.0	88.6
86	58.6	52.2	78.2

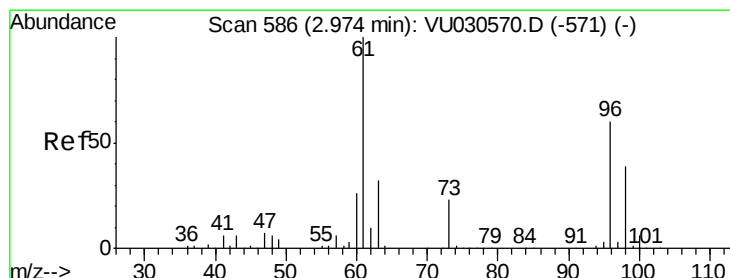
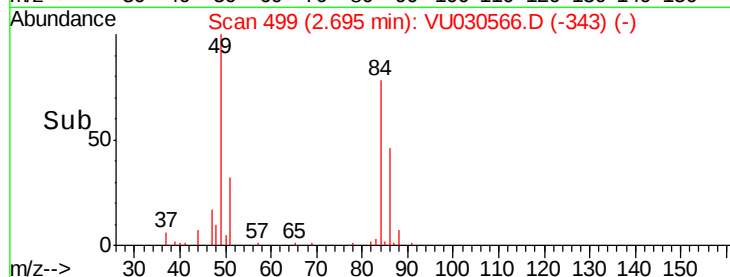
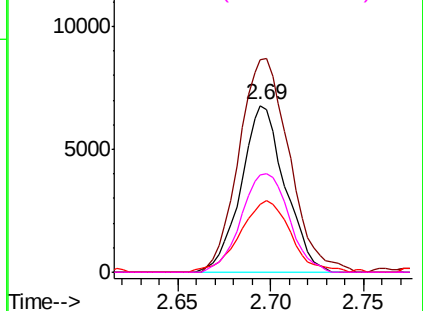


Abundance Ion 84.00 (83.70 to 84.70): VU030570.D (-483) (-)

Ion 49.00 (48.70 to 49.70): VU030570.D (-483) (-)

Ion 51.00 (50.70 to 51.70): VU030570.D (-483) (-)

Ion 86.00 (85.70 to 86.70): VU030570.D (-483) (-)



#16

trans-1,2-Dichloroethene

Concen: 0.604 ug/l

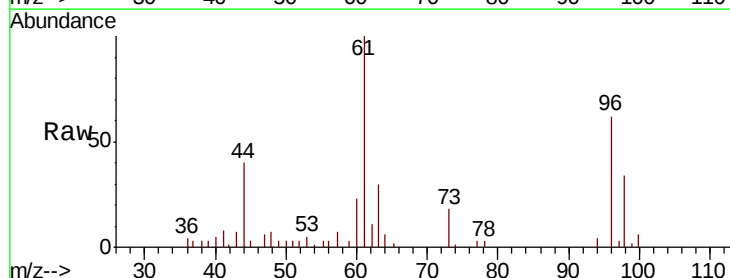
RT: 2.97 min Scan# 586

Delta R.T. 0.00 min

Lab File: VU030566.D

Acq: 30 Mar 2019 09:54

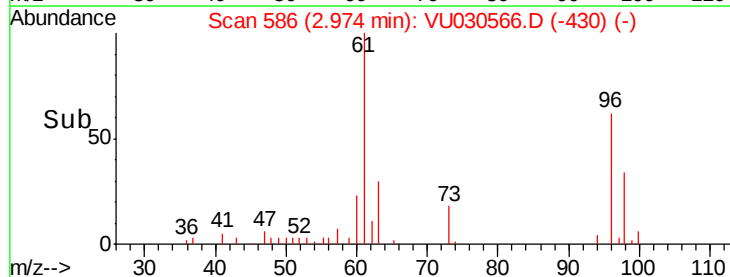
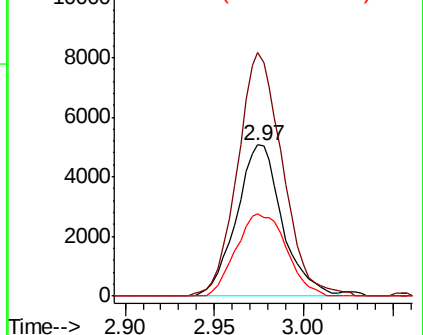
Tgt Ion:	96	Resp:	9072
Ion	Ratio	Lower	Upper
96	100		
61	161.2	132.3	198.5
98	54.2	51.3	76.9

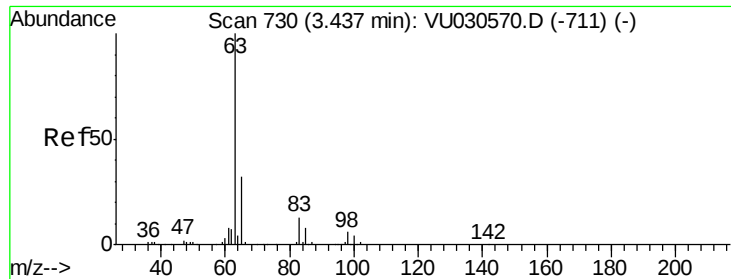


Abundance Ion 96.00 (95.70 to 96.70): VU030570.D (-571) (-)

Ion 61.00 (60.70 to 61.70): VU030570.D (-571) (-)

Ion 98.00 (97.70 to 98.70): VU030570.D (-571) (-)





#17

1,1-Dichloroethane

Concen: 0.694 ug/l

RT: 3.44 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU030566.D

Acq: 30 Mar 2019 09:54

Instrument :

MSVOA_U

ClientSampleId :

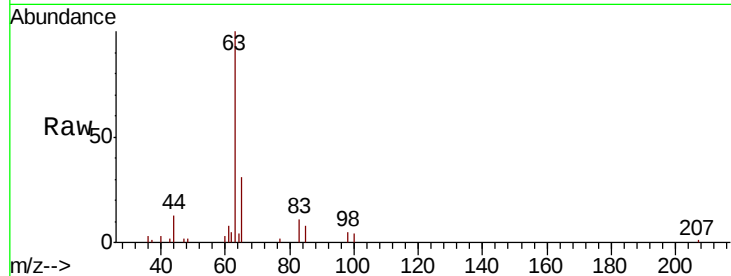
Tot Ion: 63 Resp: 18265

Ion Ratio Lower Upper

63 100

98 4.5 3.0 9.0

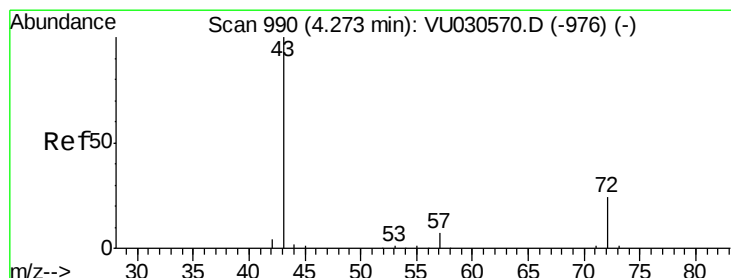
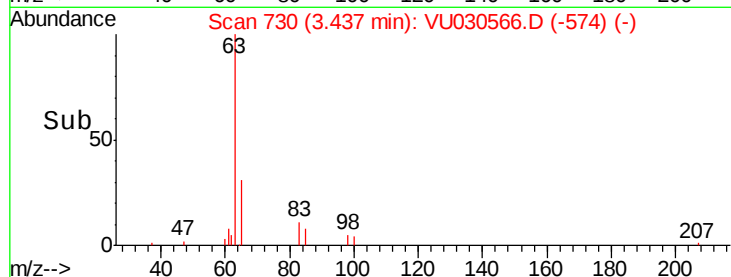
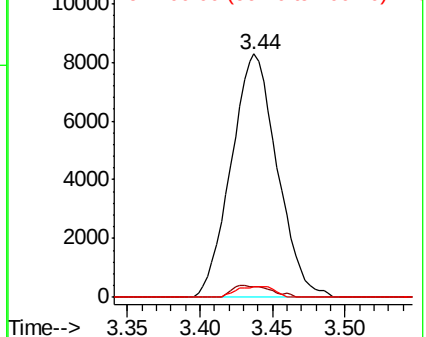
100 4.2 1.8 5.5



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: 3.509 ug/l

RT: 4.30 min Scan# 997

Delta R.T. 0.02 min

Lab File: VU030566.D

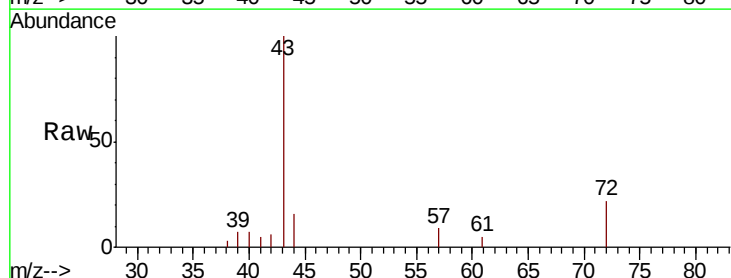
Acq: 30 Mar 2019 09:54

Tgt Ion: 43 Resp: 12797

Ion Ratio Lower Upper

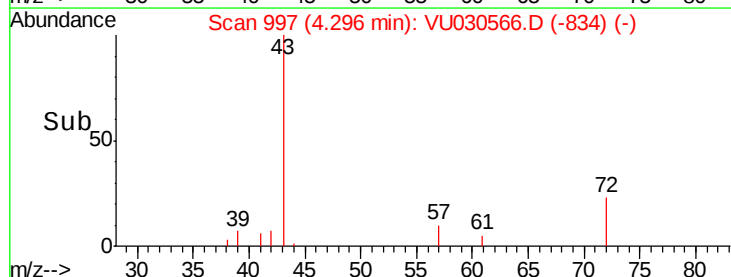
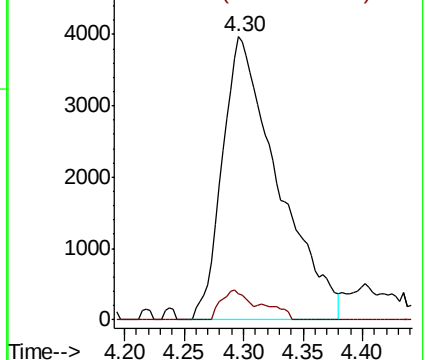
43 100

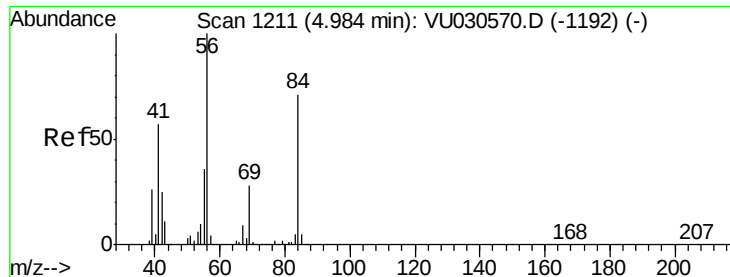
57 9.3 0.0 14.4



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

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

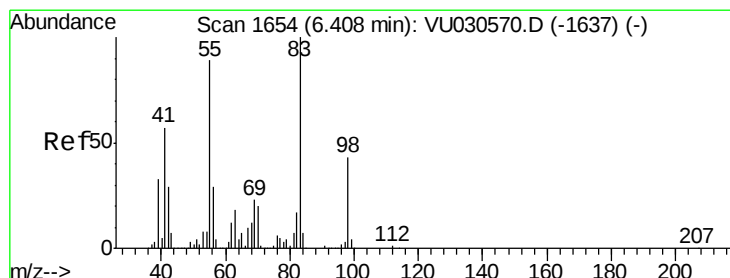
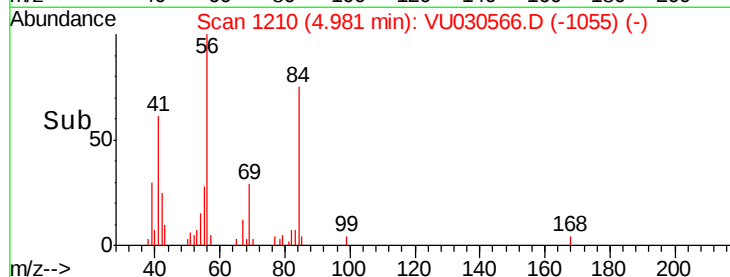
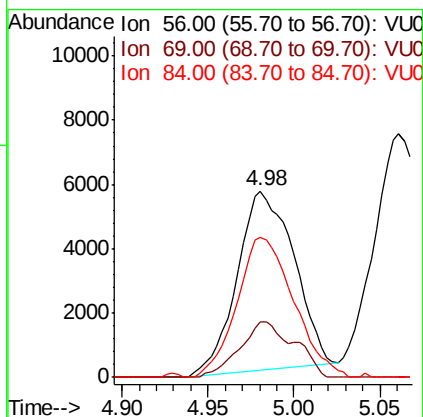
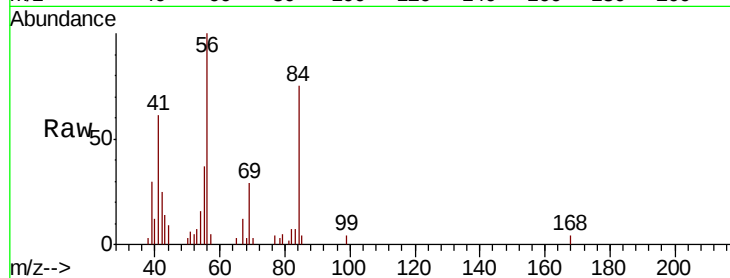




#19
Cyclohexane
Concen: 0.566 ug/l
RT: 4.98 min Scan# 1210
Delta R.T. -0.00 min
Lab File: VU030566.D
Acq: 30 Mar 2019 09:54

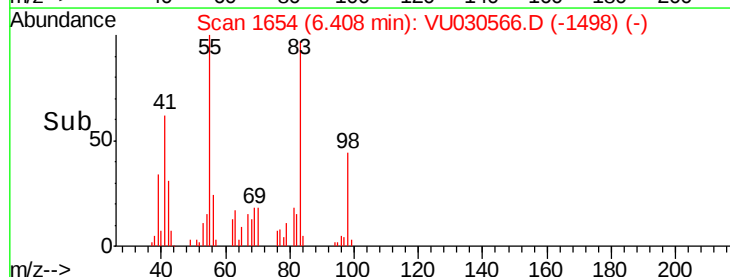
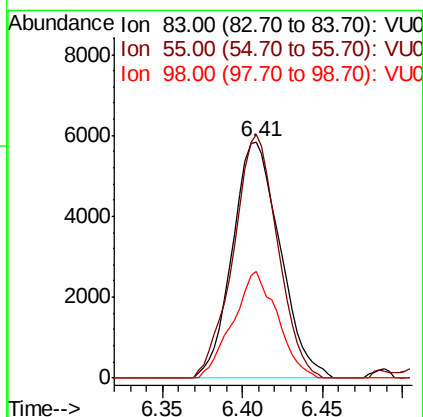
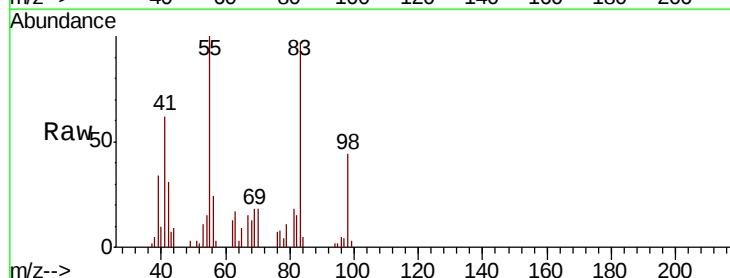
Instrument :
MSVOA_U
ClientSampleId :

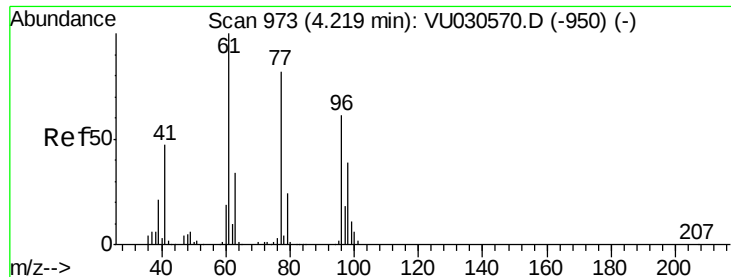
Tot Ion: 56 Resp: 12833
Ion Ratio Lower Upper
56 100
69 29.9 22.3 33.5
84 77.9 57.6 86.4



#20
Methylcyclohexane
Concen: 0.497 ug/l
RT: 6.41 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VU030566.D
Acq: 30 Mar 2019 09:54

Tgt Ion: 83 Resp: 11886
Ion Ratio Lower Upper
83 100
55 95.9 72.0 108.0
98 42.2 35.0 52.4





#21

2,2-Dichloropropane

Concen: 0.610 ug/l

RT: 4.22 min Scan# 975

Delta R.T. 0.01 min

Lab File: VU030566.D

Acq: 30 Mar 2019 09:54

Instrument :

MSVOA_U

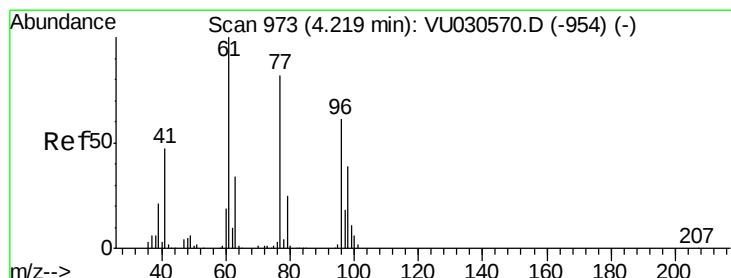
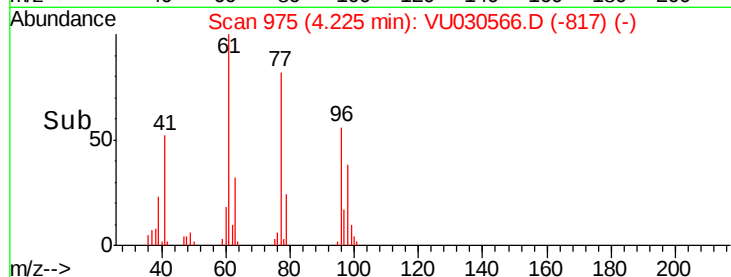
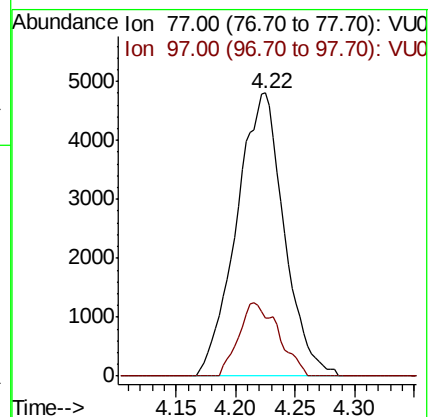
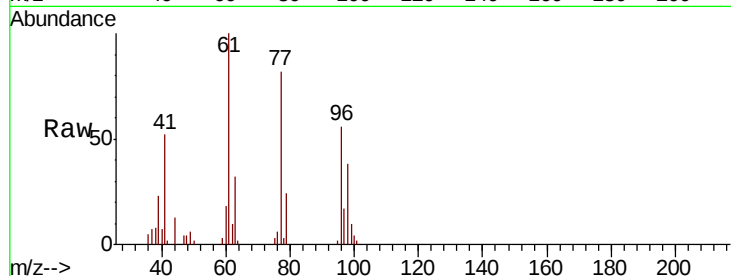
ClientSampled :

Tot Ion: 77 Resp: 13321

Ion Ratio Lower Upper

77 100

97 21.8 17.6 26.4



#22

cis-1,2-Dichloroethene

Concen: 0.501 ug/l

RT: 4.22 min Scan# 975

Delta R.T. 0.01 min

Lab File: VU030566.D

Acq: 30 Mar 2019 09:54

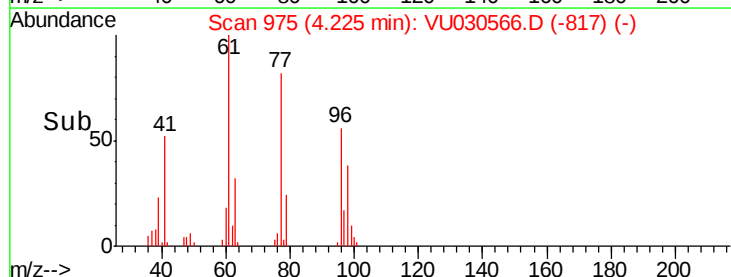
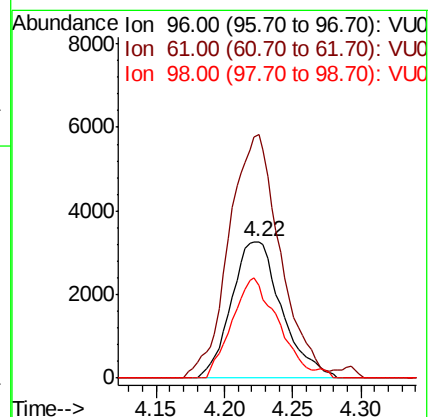
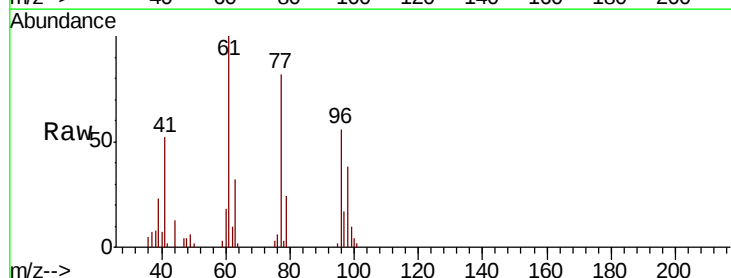
Tgt Ion: 96 Resp: 8340

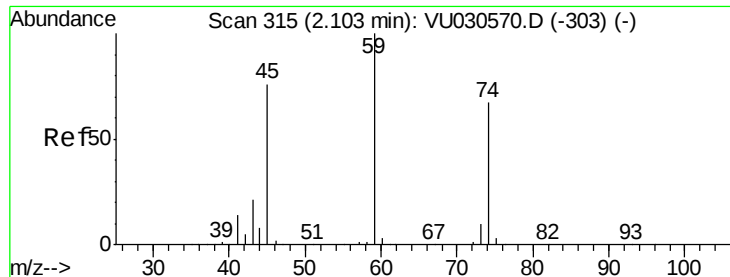
Ion Ratio Lower Upper

96 100

61 181.7 0.0 427.0

98 68.9 32.5 97.4

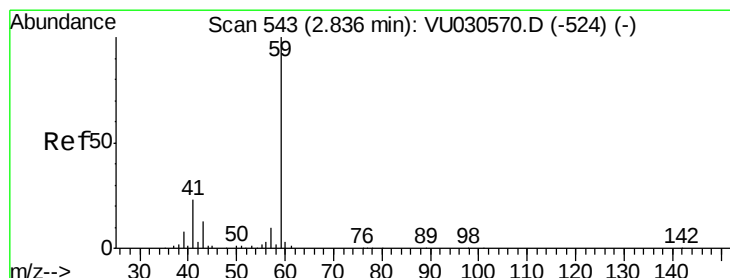
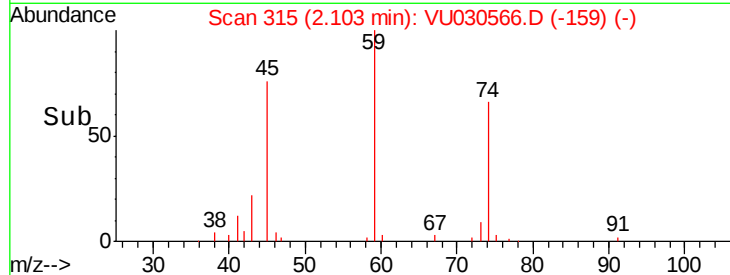
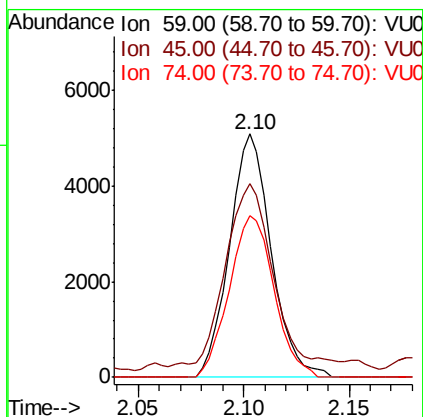
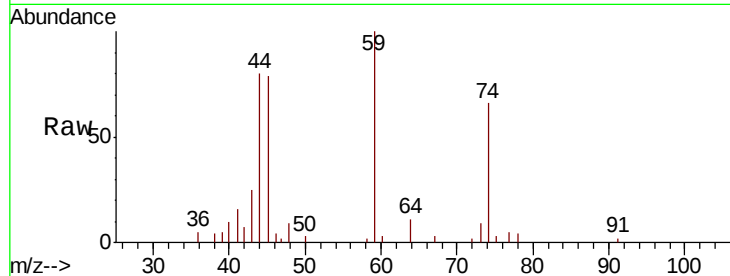




#23
Diethyl Ether
Concen: 0.683 ug/l
RT: 2.10 min Scan# 315
Delta R.T. 0.00 min
Lab File: VU030566.D
Acq: 30 Mar 2019 09:54

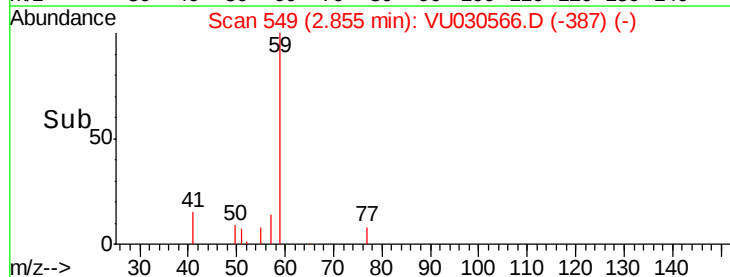
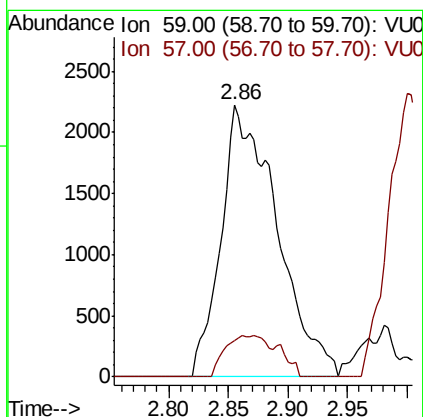
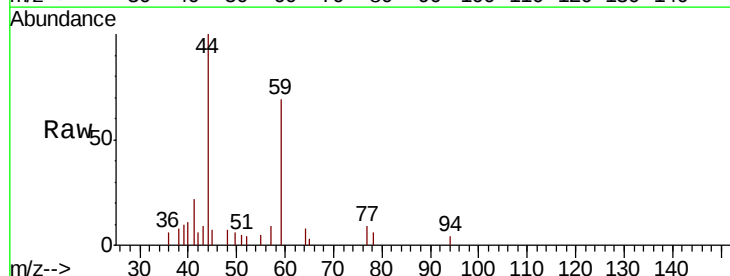
Instrument :
MSVOA_U
ClientSampleId :

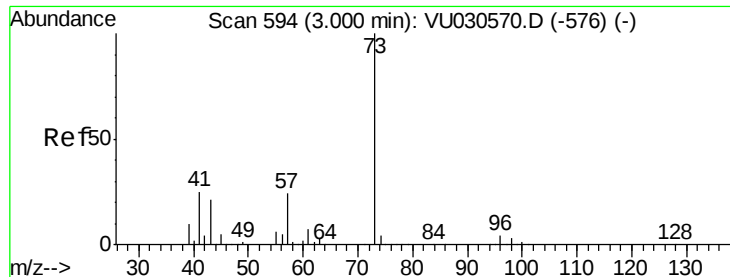
Tot Ion: 59 Resp: 6981
Ion Ratio Lower Upper
59 100
45 98.4 61.6 92.4#
74 71.2 53.2 79.8



#24
tert-Butyl Alcohol
Concen: 6.634 ug/l
RT: 2.86 min Scan# 549
Delta R.T. 0.02 min
Lab File: VU030566.D
Acq: 30 Mar 2019 09:54

Tgt Ion: 59 Resp: 7237
Ion Ratio Lower Upper
59 100
57 11.6 8.4 12.6



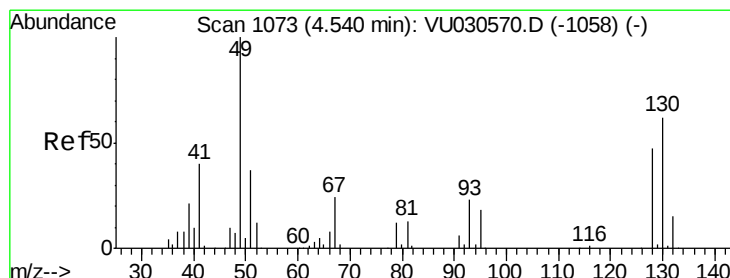
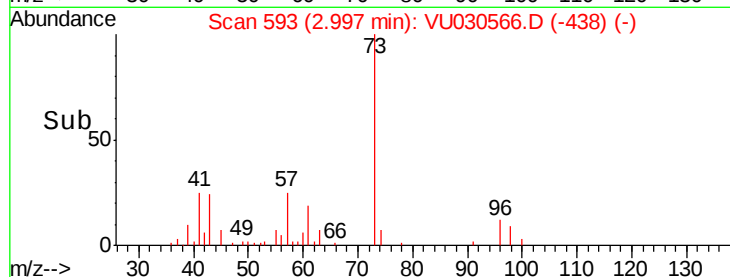
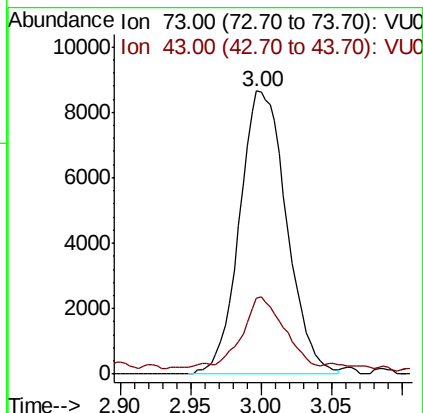
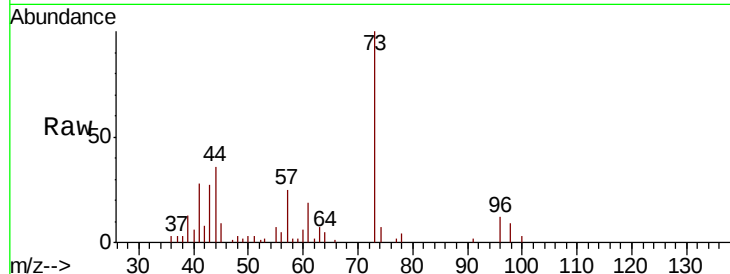


#25

Methyl tert-Butyl Ether
 Concen: 0.594 ug/l
 RT: 3.00 min Scan# 593
 Delta R.T. -0.00 min
 Lab File: VU030566.D
 Acq: 30 Mar 2019 09:54

Instrument :
 MSVOA_U
 ClientSampled :

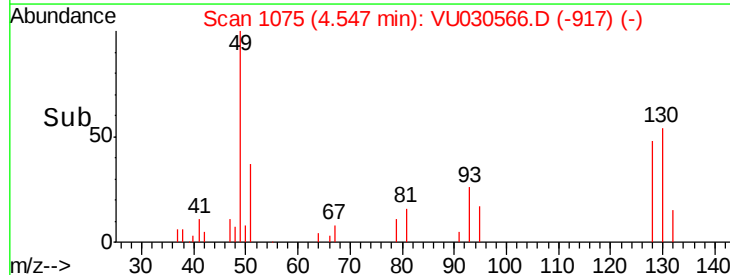
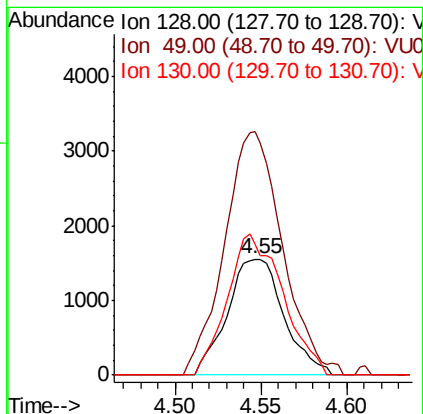
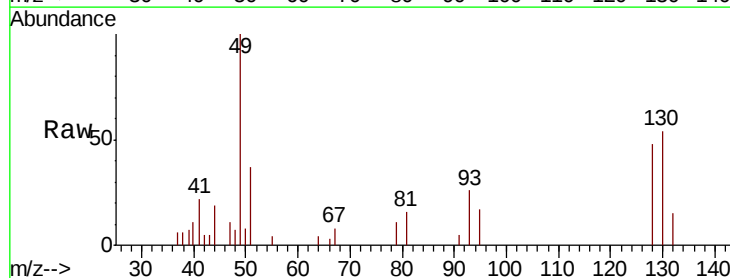
Tot Ion: 73 Resp: 20173
 Ion Ratio Lower Upper
 73 100
 43 20.3 16.6 24.8

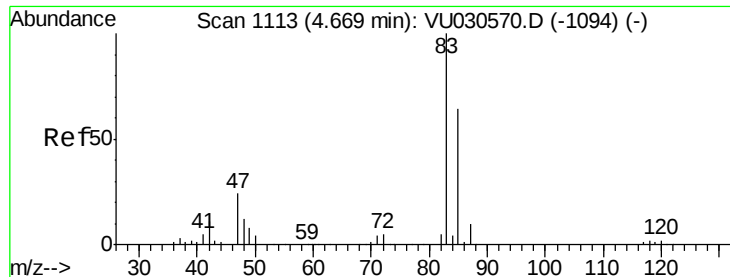


#26

Bromochloromethane
 Concen: 0.496 ug/l
 RT: 4.55 min Scan# 1075
 Delta R.T. 0.01 min
 Lab File: VU030566.D
 Acq: 30 Mar 2019 09:54

Tgt Ion: 128 Resp: 3550
 Ion Ratio Lower Upper
 128 100
 49 214.8 0.0 418.2
 130 119.5 103.4 155.0

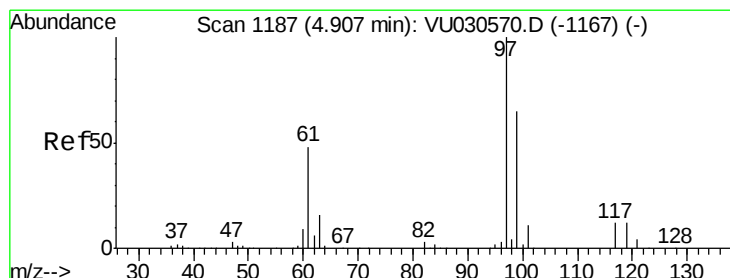
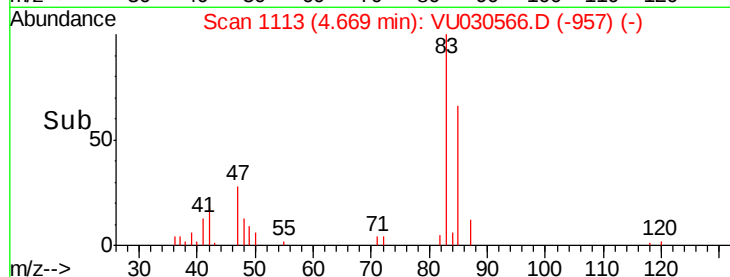
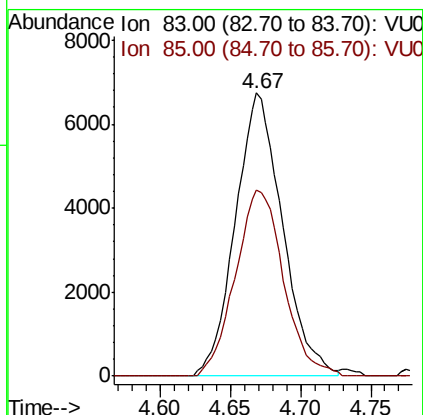
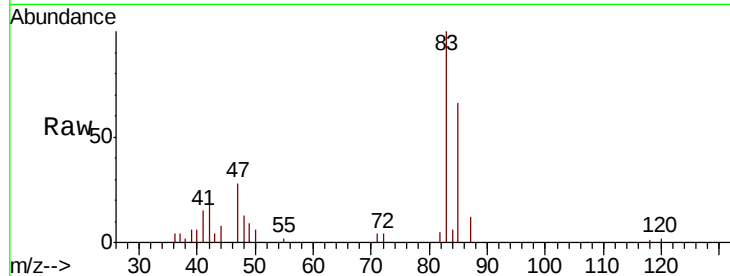




#27
Chloroform
Concen: 0.575 ug/l
RT: 4.67 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VU030566.D
Acq: 30 Mar 2019 09:54

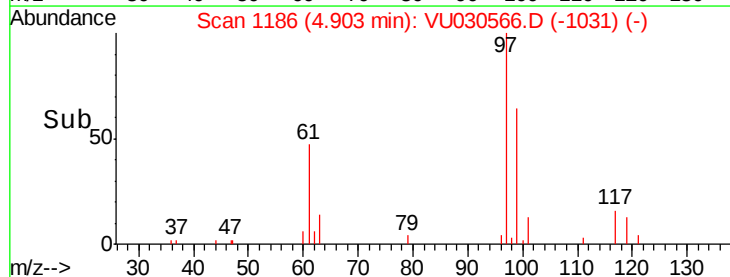
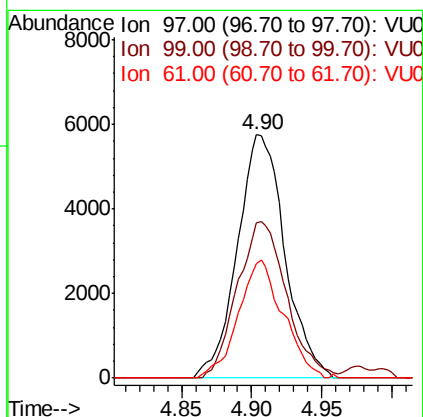
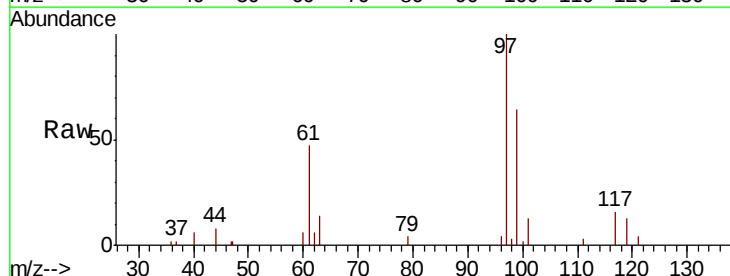
Instrument :
MSVOA_U
ClientSampleId :

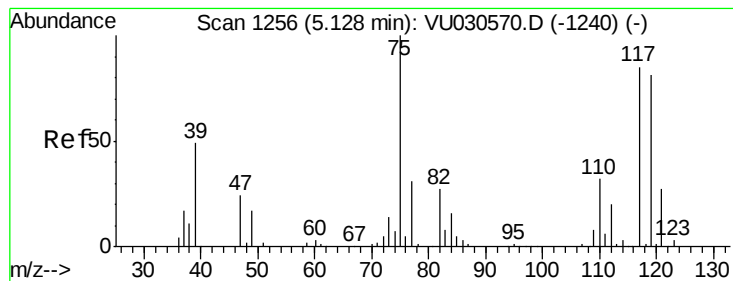
Tot Ion: 83 Resp: 15711
Ion Ratio Lower Upper
83 100
85 65.8 0.0 128.4



#28
1,1,1-Trichloroethane
Concen: 0.607 ug/l
RT: 4.90 min Scan# 1186
Delta R.T. -0.00 min
Lab File: VU030566.D
Acq: 30 Mar 2019 09:54

Tgt Ion: 97 Resp: 13544
Ion Ratio Lower Upper
97 100
99 66.9 32.0 96.0
61 45.7 24.0 72.0





#29

1,1-Dichloropropene

Concen: 0.575 ug/l

RT: 5.13 min Scan# 1257

Delta R.T. 0.00 min

Lab File: VU030566.D

Acq: 30 Mar 2019 09:54

Instrument :

MSVOA_U

ClientSampleId :

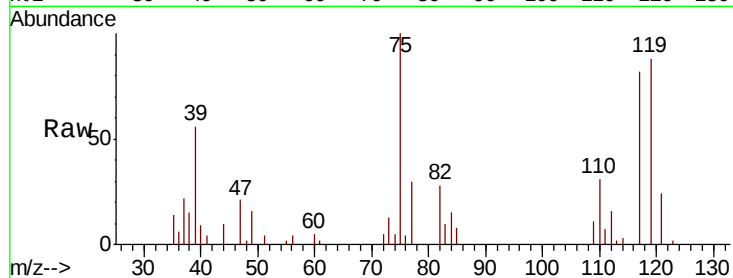
Tot Ion: 75 Resp: 11649

Ion Ratio Lower Upper

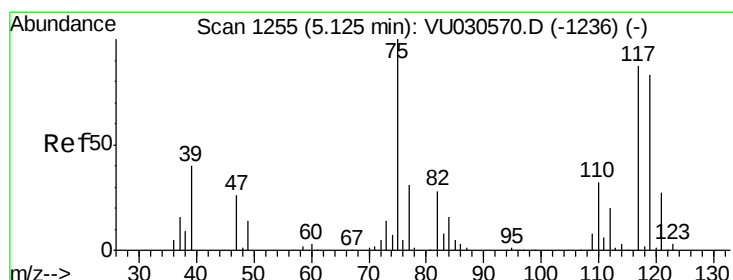
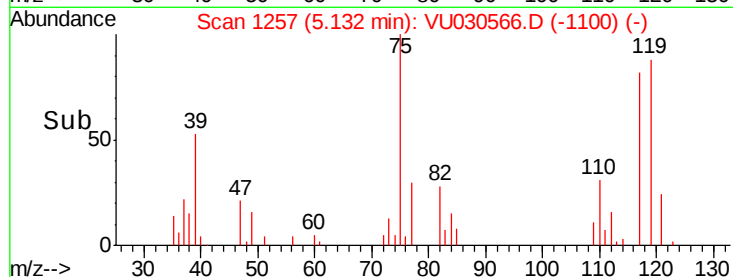
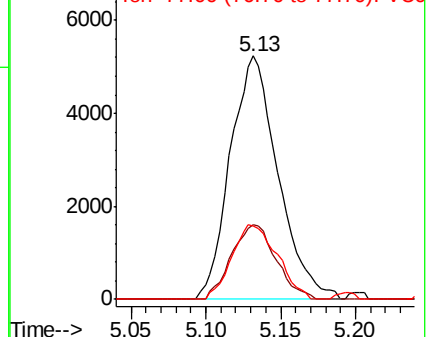
75 100

110 28.6 16.0 48.0

77 29.0 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: 0.559 ug/l

RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VU030566.D

Acq: 30 Mar 2019 09:54

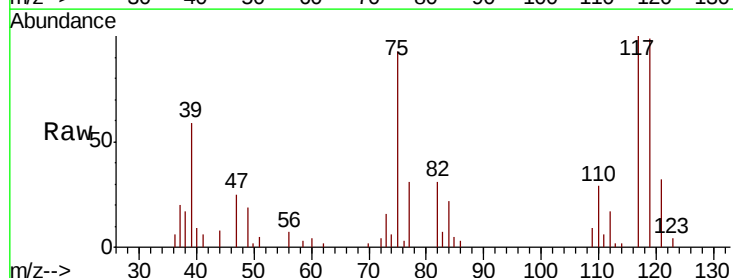
Tgt Ion: 117 Resp: 11044

Ion Ratio Lower Upper

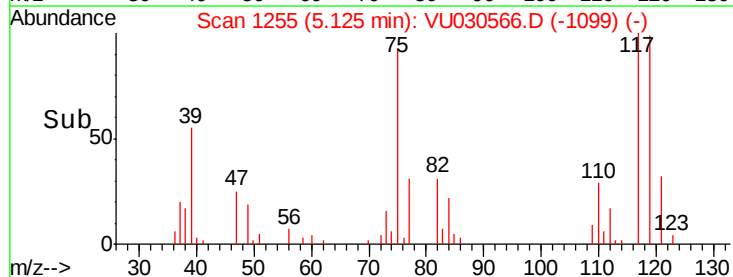
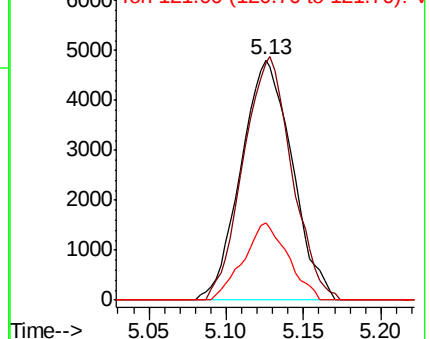
117 100

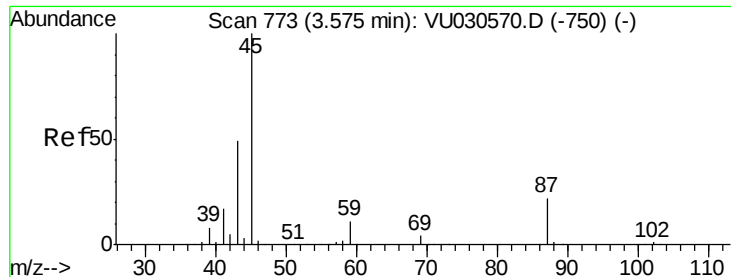
119 99.0 76.4 114.6

121 32.1 24.7 37.1



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





#31

Isopropyl Ether

Concen: 0.692 ug/l

RT: 3.58 min Scan# 773

Delta R.T. 0.00 min

Lab File: VU030566.D

Acq: 30 Mar 2019 09:54

Instrument :

MSVOA_U

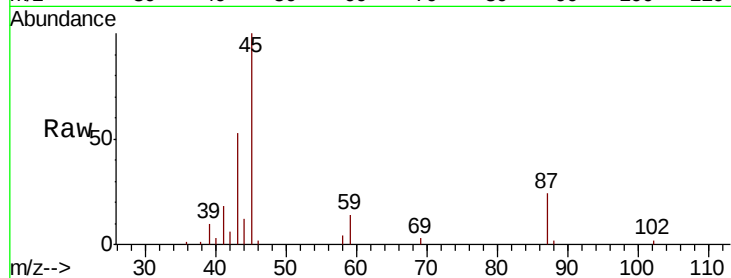
ClientSampleId :

Tot Ion: 45 Resp: 26641

Ion Ratio Lower Upper

45 100

43 54.1 25.0 75.0

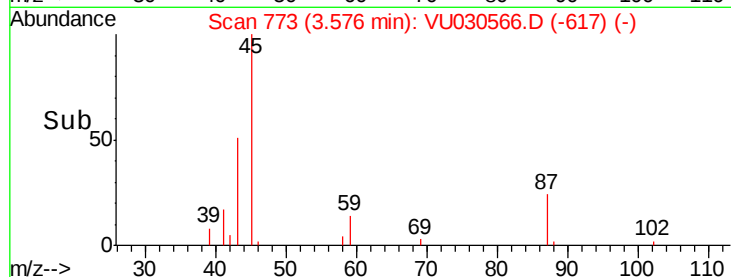


Abundance Ion 45.00 (44.70 to 45.70): VU030570.D (-750) (-)

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

3.58

Time-->



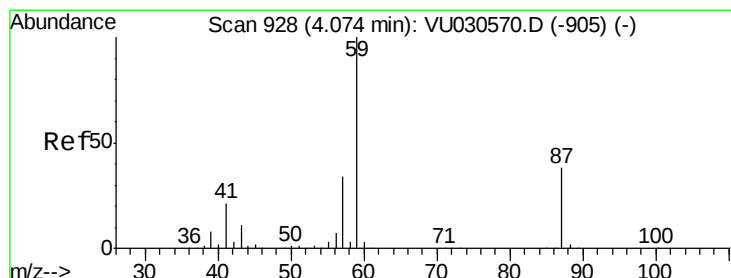
Abundance

Ion 45.00 (44.70 to 45.70): VU030566.D (-617) (-)

Ion 43.00 (42.70 to 43.70): VU030566.D (-617) (-)

3.58

Time-->



#32

Ethyl-t-butyl ether

Concen: 0.576 ug/l

RT: 4.07 min Scan# 928

Delta R.T. 0.00 min

Lab File: VU030566.D

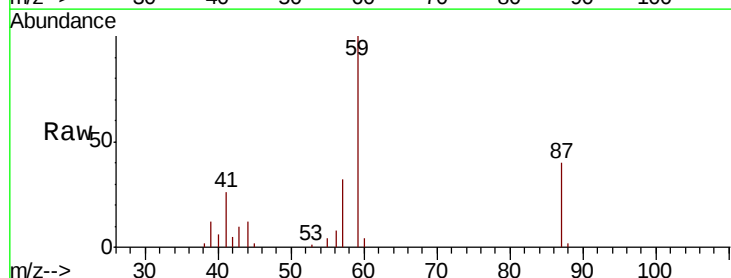
Acq: 30 Mar 2019 09:54

Tgt Ion: 59 Resp: 20539

Ion Ratio Lower Upper

59 100

87 39.1 30.1 45.1

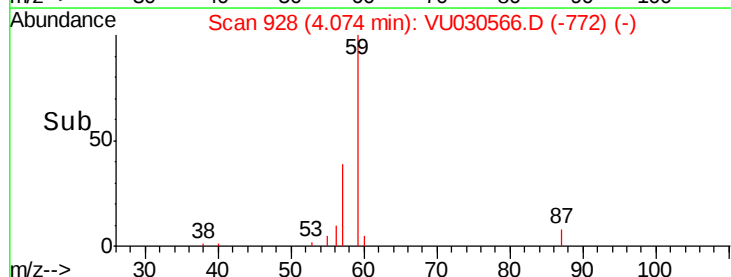


Abundance Ion 59.00 (58.70 to 59.70): VU030570.D (-905) (-)

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

4.07

Time-->



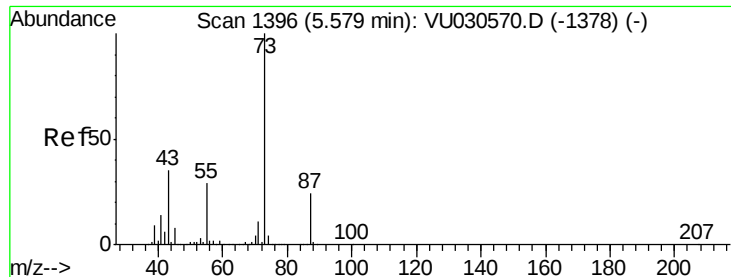
Abundance

Ion 59.00 (58.70 to 59.70): VU030566.D (-772) (-)

Ion 87.00 (86.70 to 87.70): VU030566.D (-772) (-)

4.07

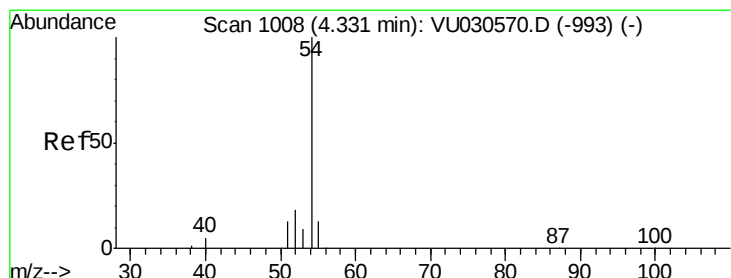
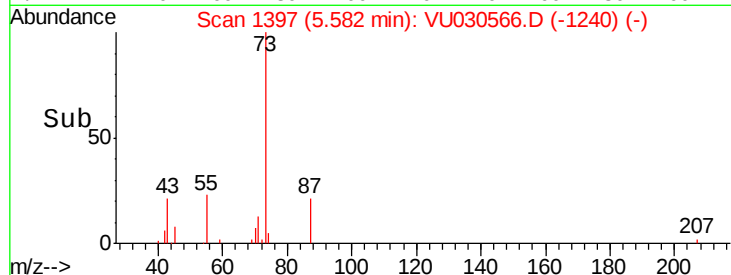
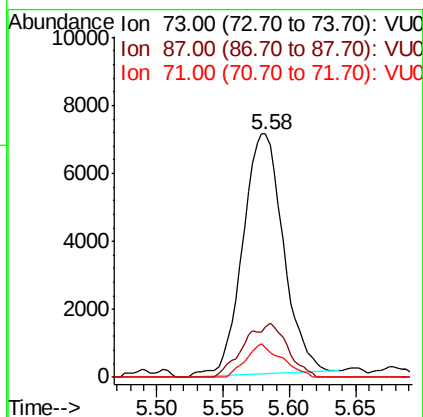
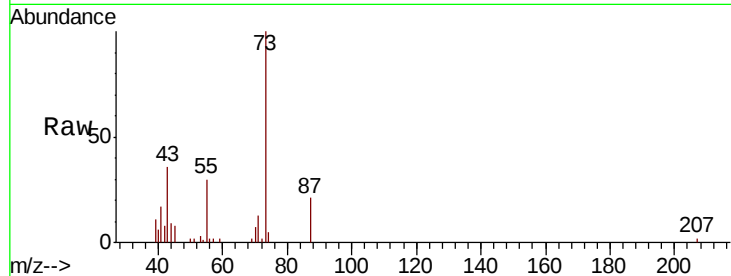
Time-->



#33
Tert-Butyl methyl ether
Concen: 0.473 ug/l
RT: 5.58 min Scan# 1397
Delta R.T. 0.00 min
Lab File: VU030566.D
Acq: 30 Mar 2019 09:54

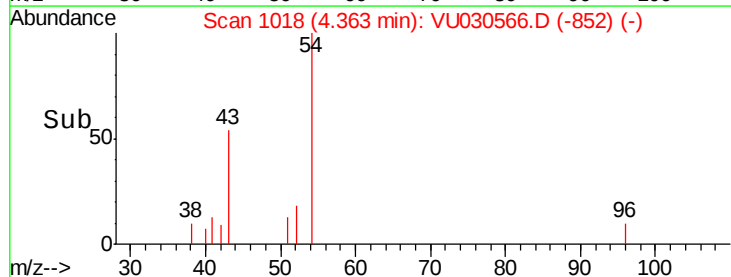
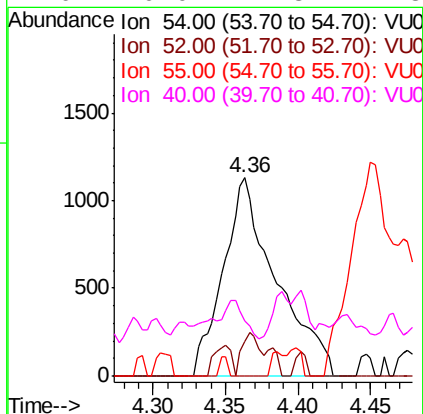
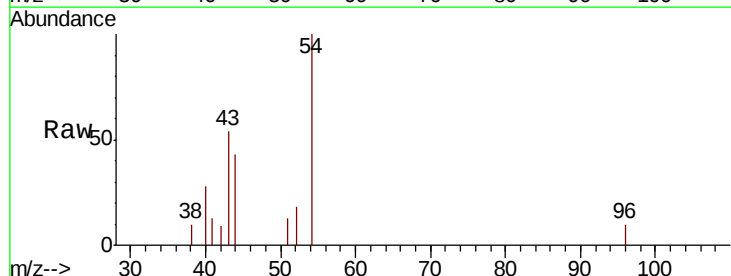
Instrument :
MSVOA_U
ClientSampleId :

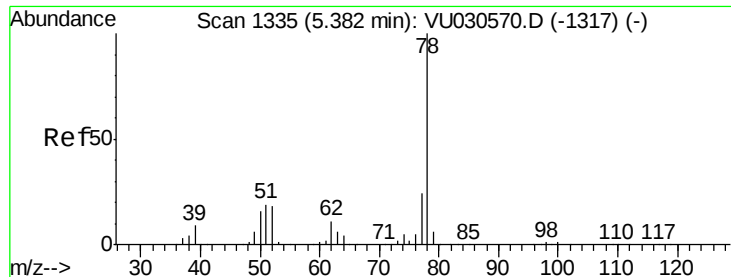
Tot Ion	Ratio	Lower	Upper
73	100		
87	24.1	18.6	27.8
71	12.2	9.0	13.4



#34
Propionitrile
Concen: 2.833 ug/l
RT: 4.36 min Scan# 1018
Delta R.T. 0.03 min
Lab File: VU030566.D
Acq: 30 Mar 2019 09:54

Tgt Ion	Ratio	Lower	Upper
54	100		
52	7.3	14.1	21.1#
55	0.0	10.4	15.6#
40	0.0	1.8	2.8#





#35

Benzene

Concen: 0.559 ug/l

RT: 5.39 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU030566.D

Acq: 30 Mar 2019 09:54

Instrument :

MSVOA_U

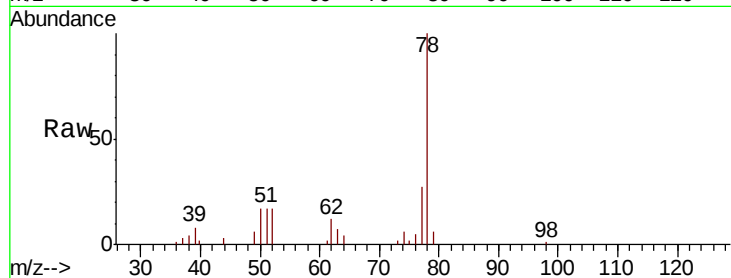
ClientSampleId :

Tot Ion: 78 Resp: 33254

Ion Ratio Lower Upper

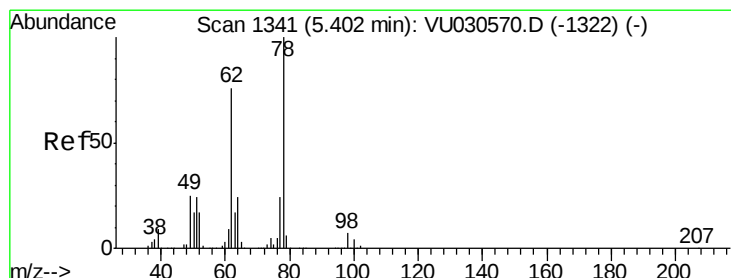
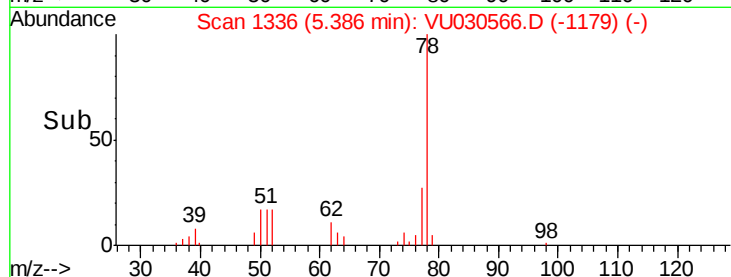
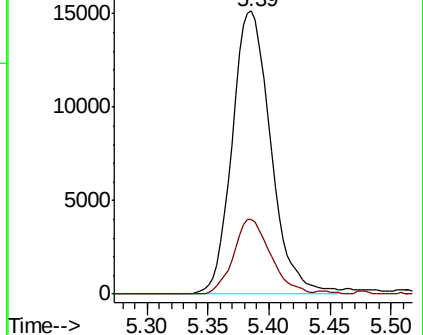
78 100

77 26.6 19.5 29.3



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

Ion 77.00 (76.70 to 77.70): VU030566.D (-1179) (-)



#36

1,2-Dichloroethane

Concen: 0.680 ug/l

RT: 5.41 min Scan# 1343

Delta R.T. 0.01 min

Lab File: VU030566.D

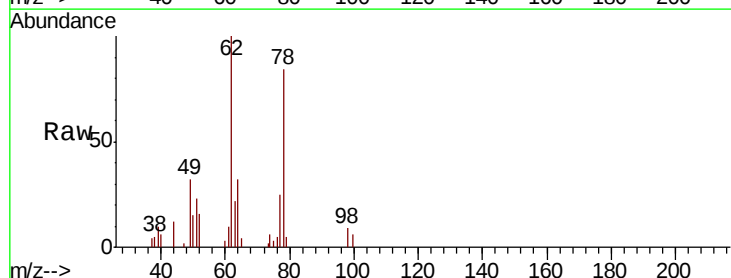
Acq: 30 Mar 2019 09:54

Tgt Ion: 62 Resp: 11125

Ion Ratio Lower Upper

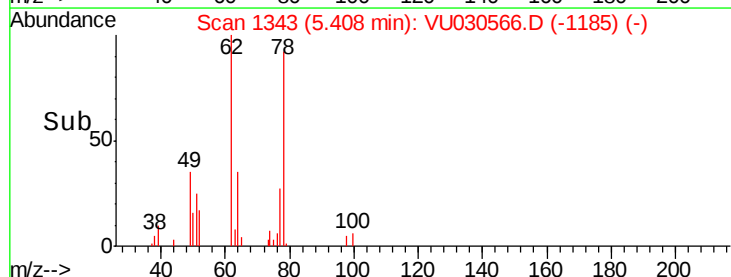
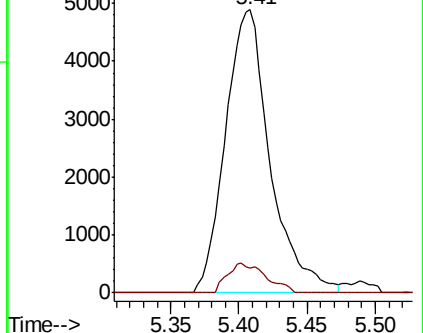
62 100

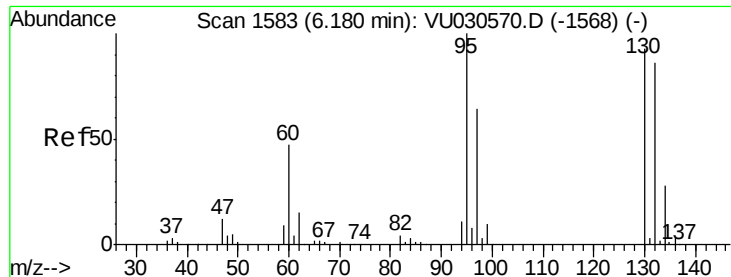
98 9.0 6.8 10.2



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

Ion 98.00 (97.70 to 98.70): VU030566.D (-1185) (-)

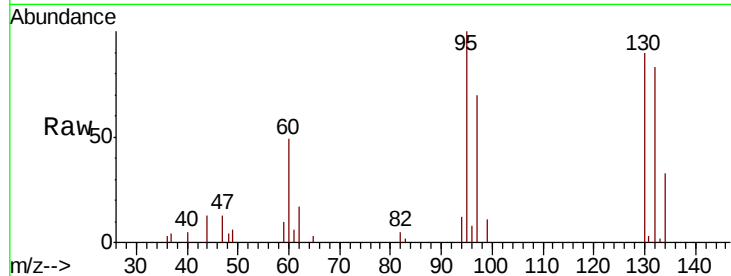




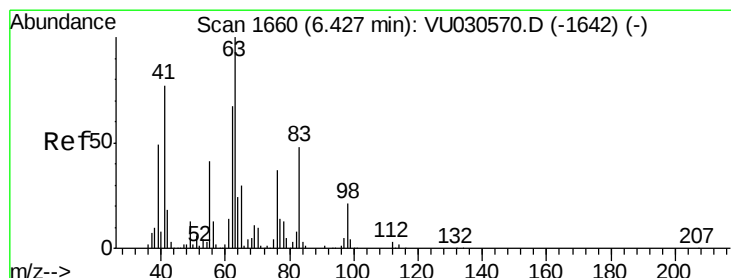
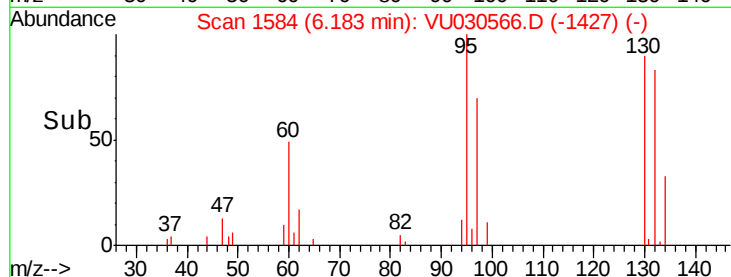
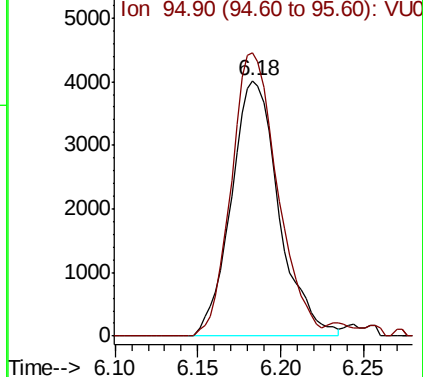
#37
 Trichloroethene
 Concen: 0.485 ug/l
 RT: 6.18 min Scan# 1584
 Delta R.T. 0.00 min
 Lab File: VU030566.D
 Acq: 30 Mar 2019 09:54

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:130 Resp: 8043
 Ion Ratio Lower Upper
 130 100
 95 110.8 85.8 128.8

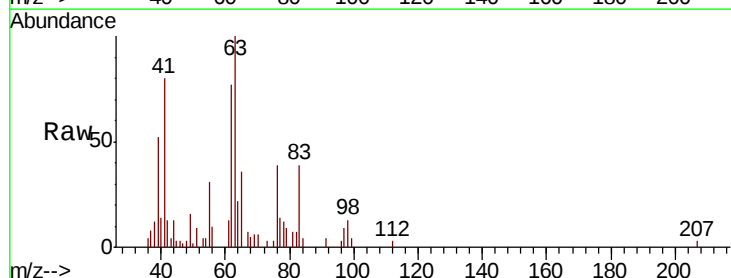


Abundance Ion 129.90 (129.60 to 130.60): VU030570.D (-1568) (-)
 Ion 94.90 (94.60 to 95.60): VU030570.D (-1568) (-)

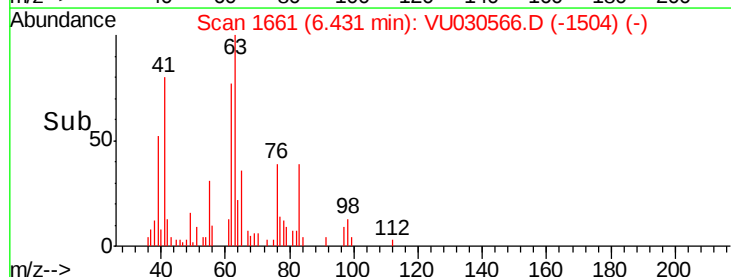
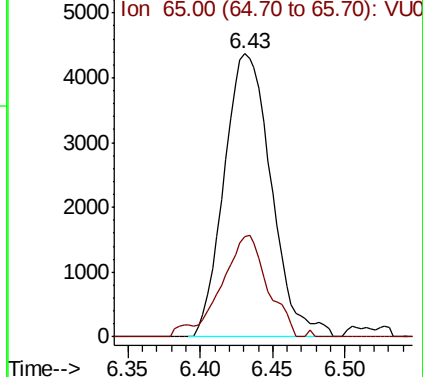


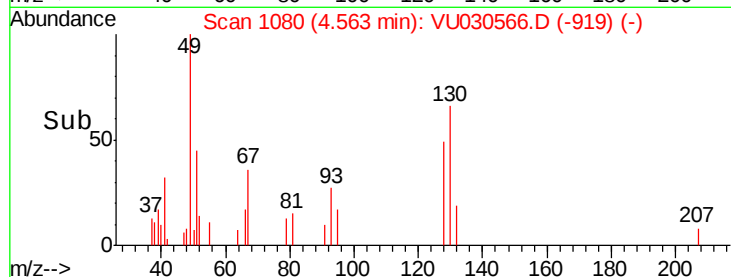
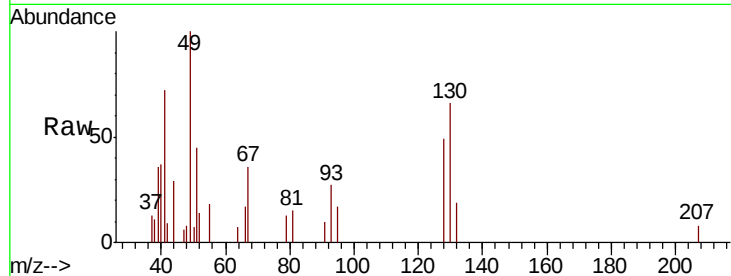
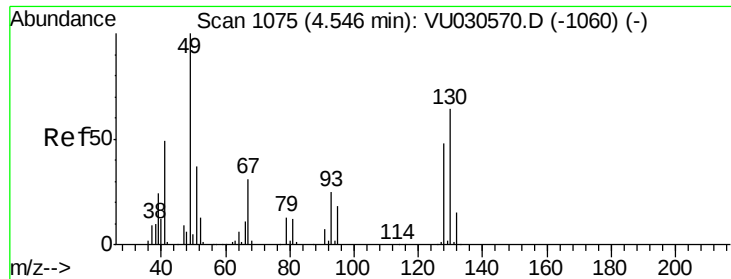
#38
 1,2-Dichloropropane
 Concen: 0.643 ug/l
 RT: 6.43 min Scan# 1661
 Delta R.T. 0.00 min
 Lab File: VU030566.D
 Acq: 30 Mar 2019 09:54

Tgt Ion: 63 Resp: 9892
 Ion Ratio Lower Upper
 63 100
 65 35.6 23.9 35.9



Abundance Ion 63.00 (62.70 to 63.70): VU030570.D (-1642) (-)
 Ion 65.00 (64.70 to 65.70): VU030570.D (-1642) (-)

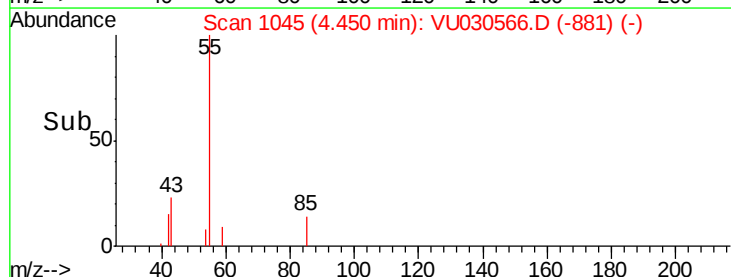
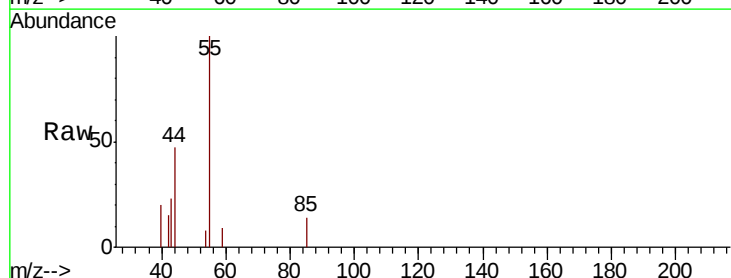
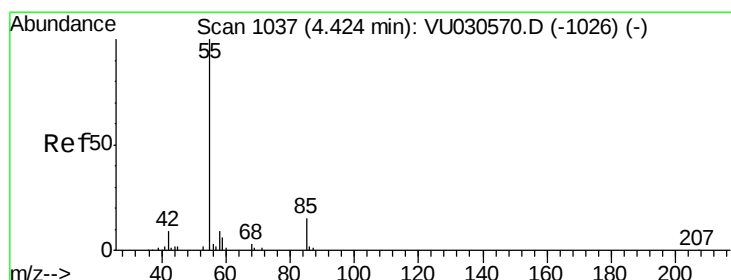
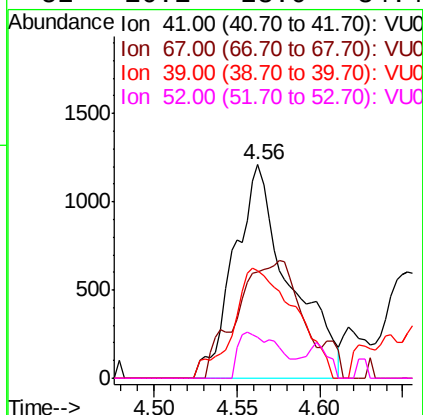




#39
Methacrylonitrile
Concen: 0.621 ug/l
RT: 4.56 min Scan# 1080
Delta R.T. 0.02 min
Lab File: VU030566.D
Acq: 30 Mar 2019 09:54

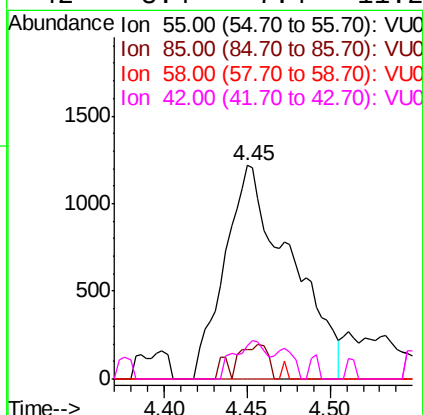
Instrument :
MSVOA_U
ClientSampleId :

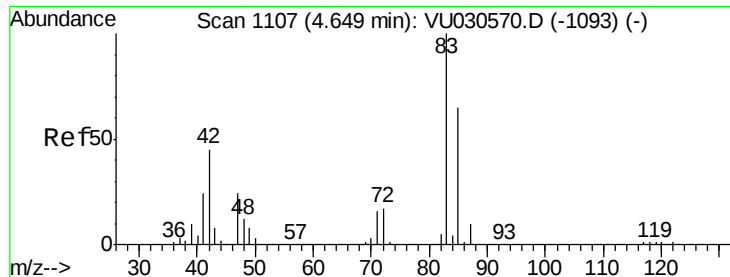
Tot Ion: 41 Resp: 2794
Ion Ratio Lower Upper
41 100
67 63.6 50.2 75.4
39 58.2 40.7 61.1
52 16.1 23.0 34.4#



#40
Methyl acrylate
Concen: 0.492 ug/l
RT: 4.45 min Scan# 1045
Delta R.T. 0.03 min
Lab File: VU030566.D
Acq: 30 Mar 2019 09:54

Tgt Ion: 55 Resp: 3366
Ion Ratio Lower Upper
55 100
85 0.0 12.5 18.7#
58 0.0 6.3 9.5#
42 8.4 7.4 11.2





#41

Tetrahydrofuran

Concen: 1.274 ug/l

RT: 4.67 min Scan# 1112

Delta R.T. 0.02 min

Lab File: VU030566.D

Acq: 30 Mar 2019 09:54

Instrument :

MSVOA_U

ClientSampleId :

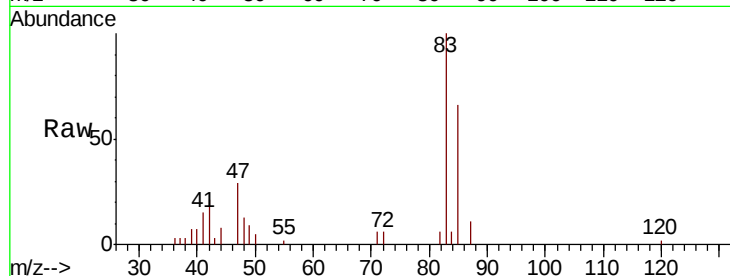
Tot Ion: 42 Resp: 3112

Ion Ratio Lower Upper

42 100

72 24.0 33.4 50.0#

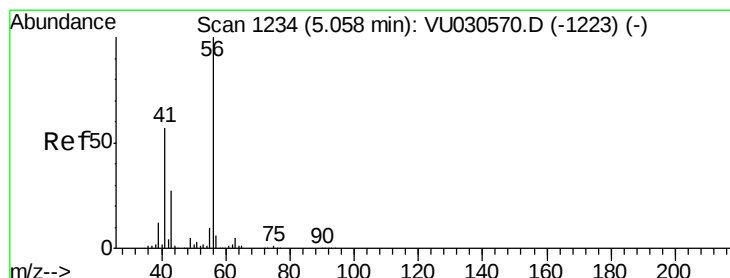
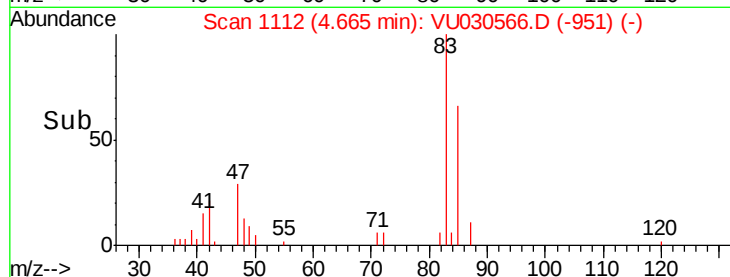
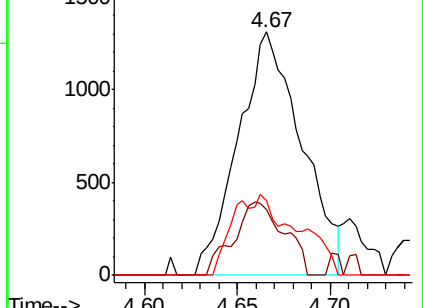
71 10.6 28.8 43.2#



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: 0.619 ug/l

RT: 5.06 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VU030566.D

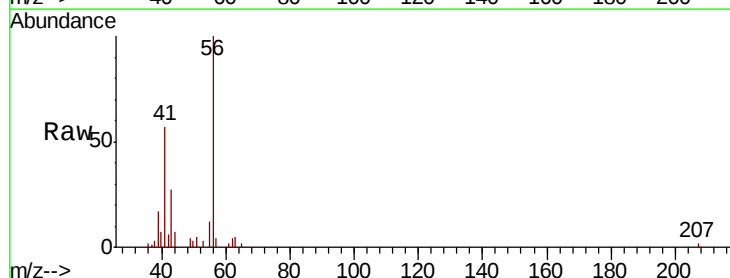
Acq: 30 Mar 2019 09:54

Tgt Ion: 56 Resp: 16984

Ion Ratio Lower Upper

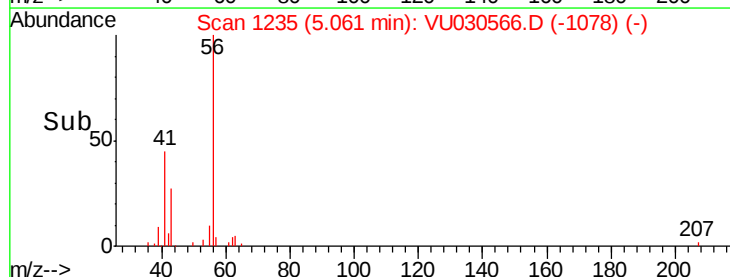
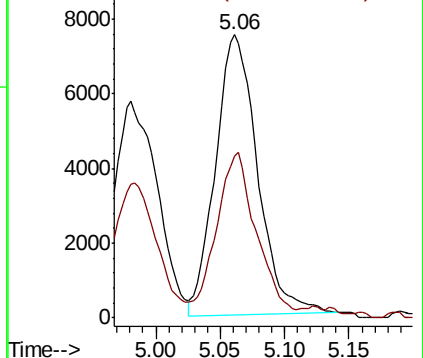
56 100

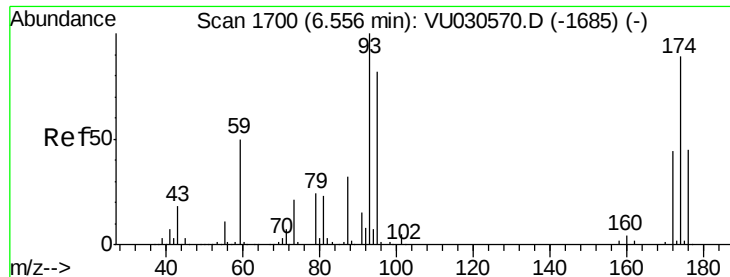
41 51.7 28.5 85.6



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 41.00 (40.70 to 41.70): VU0

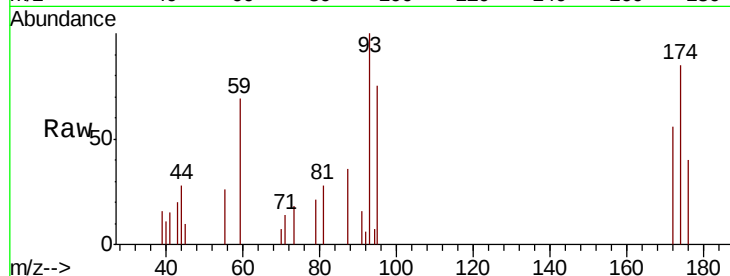




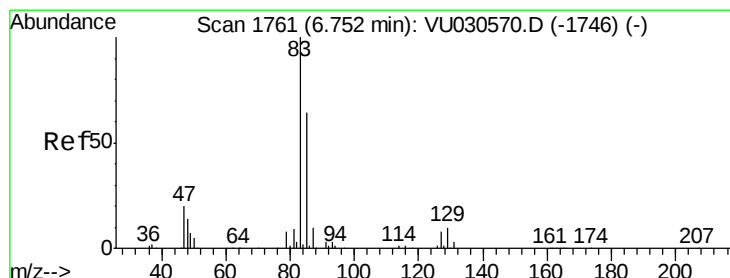
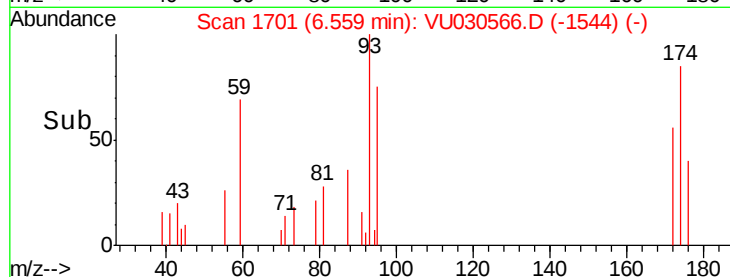
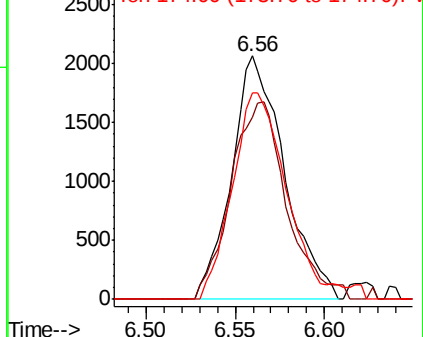
#43
Dibromomethane
Concen: 0.547 ug/l
RT: 6.56 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VU030566.D
Acq: 30 Mar 2019 09:54

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 93 Resp: 4264
Ion Ratio Lower Upper
93 100
95 85.8 63.9 95.9
174 88.0 71.0 106.4

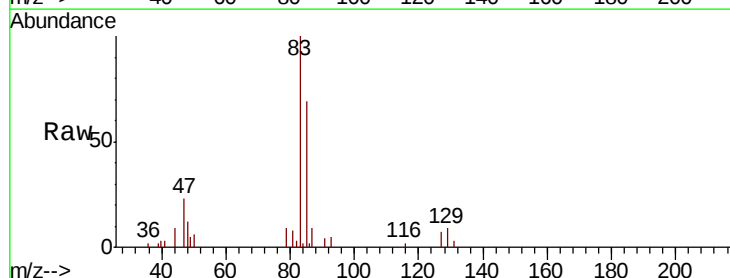


Abundance Ion 93.00 (92.70 to 93.70): VU0
Ion 95.00 (94.70 to 95.70): VU0
Ion 174.00 (173.70 to 174.70): V

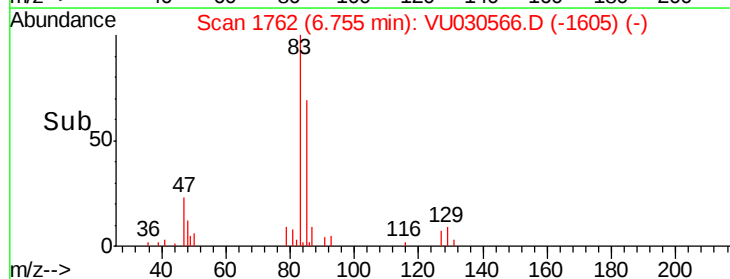
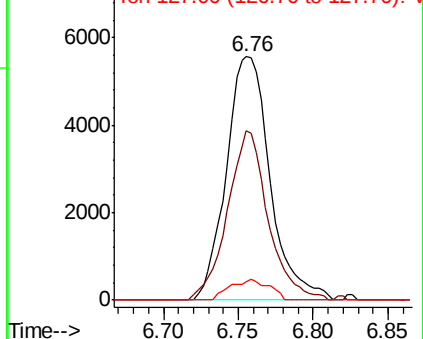


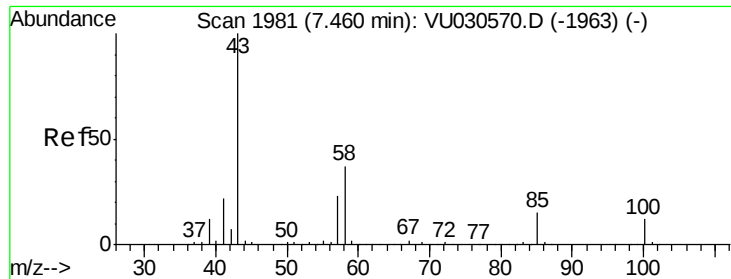
#44
Bromodichloromethane
Concen: 0.602 ug/l
RT: 6.76 min Scan# 1762
Delta R.T. 0.00 min
Lab File: VU030566.D
Acq: 30 Mar 2019 09:54

Tgt Ion: 83 Resp: 11344
Ion Ratio Lower Upper
83 100
85 69.4 51.1 76.7
127 7.3 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: 3.265 ug/l

RT: 7.47 min Scan# 1984

Delta R.T. 0.01 min

Lab File: VU030566.D

Acq: 30 Mar 2019 09:54

Instrument :
MSVOA_U
ClientSampled :

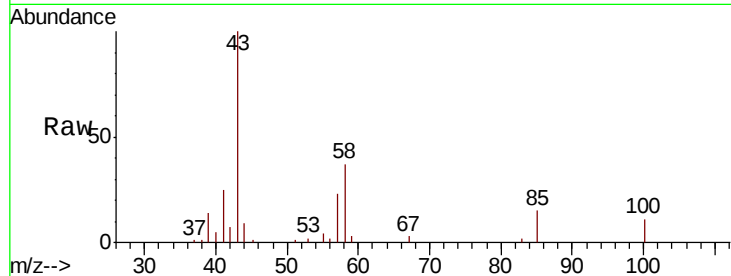
Tot Ion: 43 Resp: 26833

Ion Ratio Lower Upper

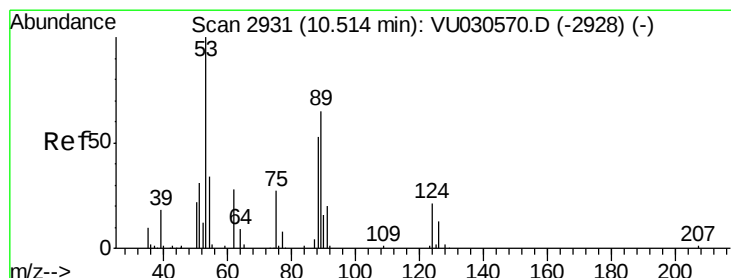
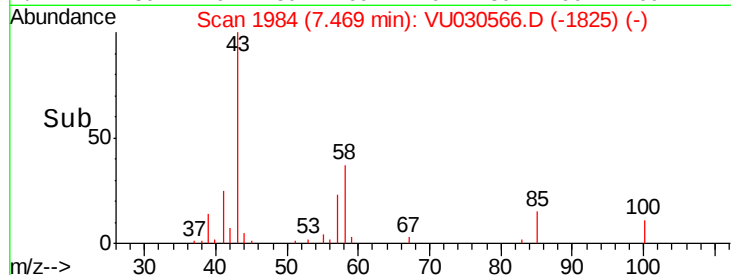
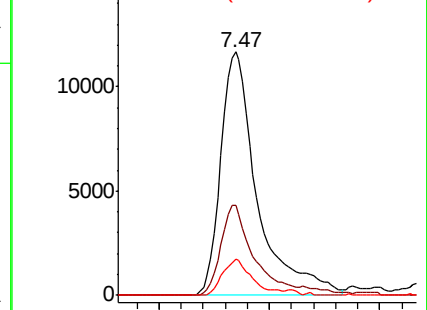
43 100

58 32.8 18.6 55.8

85 11.9 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: 2.876 ug/l

RT: 10.49 min Scan# 2924

Delta R.T. -0.02 min

Lab File: VU030566.D

Acq: 30 Mar 2019 09:54

Tgt Ion: 75 Resp: 8663

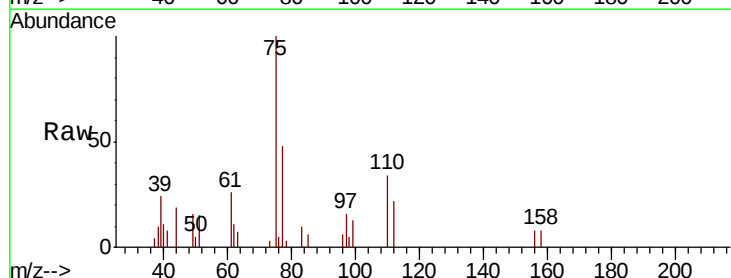
Ion Ratio Lower Upper

75 100

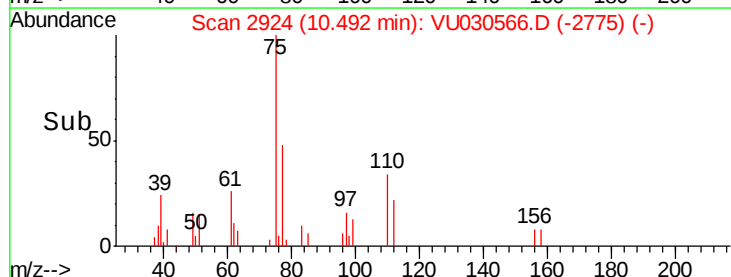
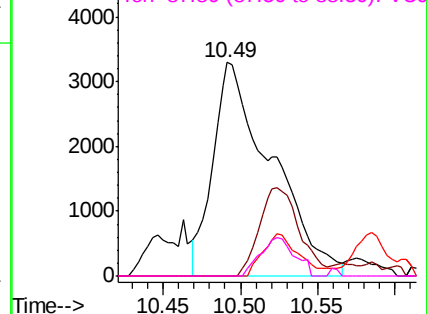
53 28.3 63.4 95.2#

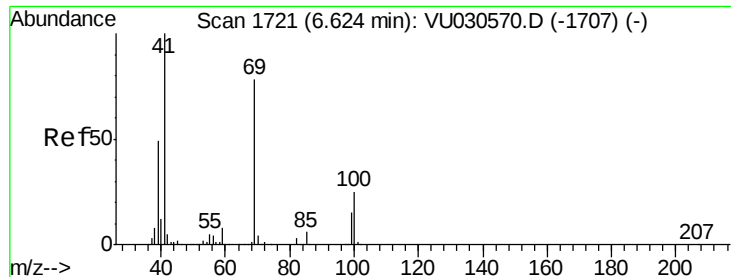
89 11.9 39.1 58.7#

88 10.6 30.4 45.6#



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

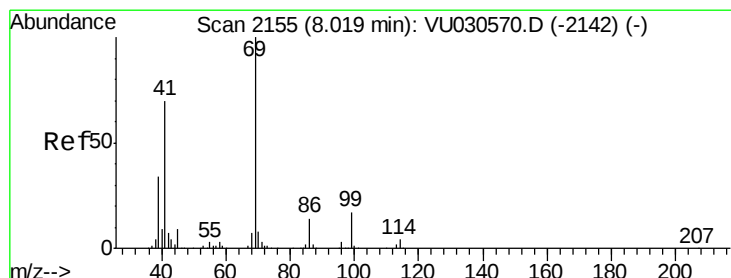
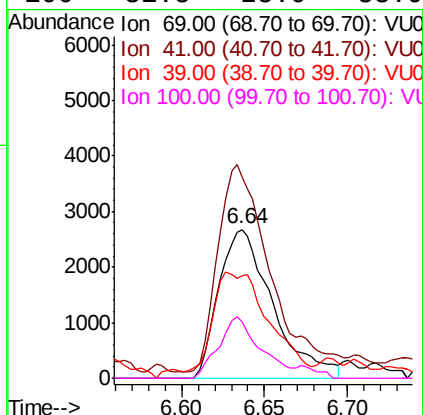
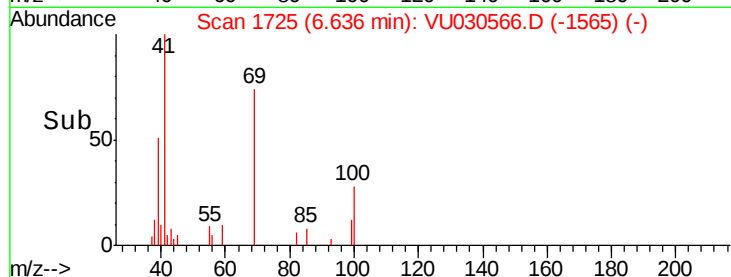
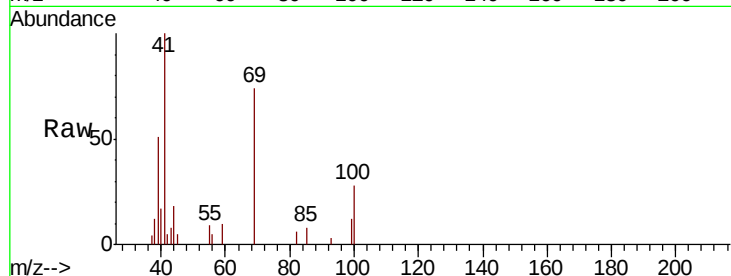




#47
Methvl methacrylate
Concen: 0.915 ug/l
RT: 6.64 min Scan# 1725
Delta R.T. 0.01 min
Lab File: VU030566.D
Acq: 30 Mar 2019 09:54

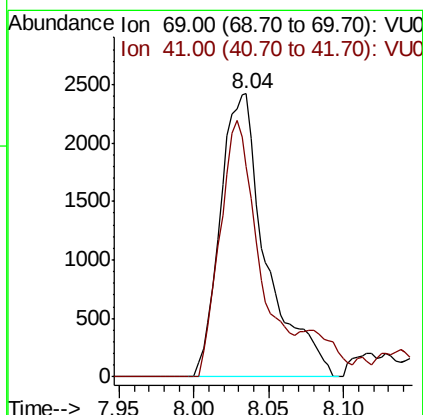
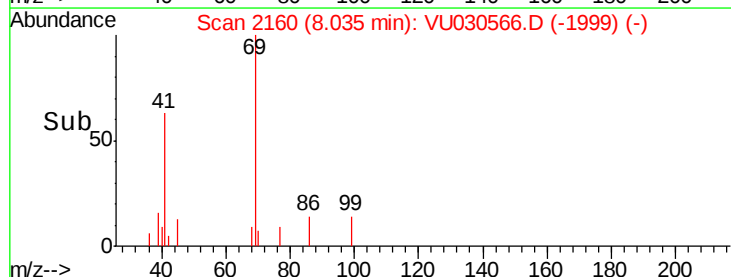
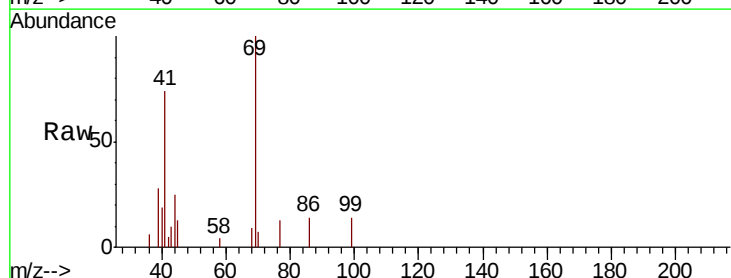
Instrument :
MSVOA_U
ClientSampleId :

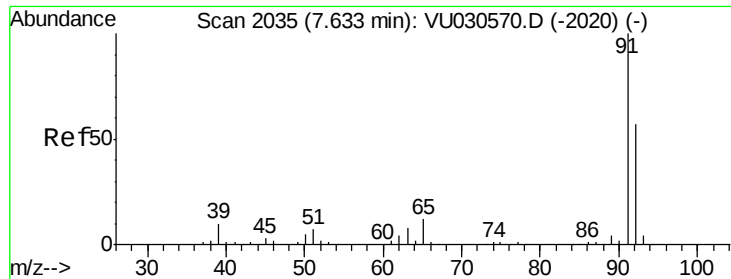
Tot Ion: 69 Resp: 6045
Ion Ratio Lower Upper
69 100
41 135.6 0.0 258.0
39 76.1 51.0 76.4
100 31.5 25.9 38.9



#48
Ethyl methacrylate
Concen: 0.418 ug/l
RT: 8.04 min Scan# 2160
Delta R.T. 0.02 min
Lab File: VU030566.D
Acq: 30 Mar 2019 09:54

Tgt Ion: 69 Resp: 5178
Ion Ratio Lower Upper
69 100
41 76.7 36.1 108.5





#49

Toluene

Concen: 0.490 ug/l

RT: 7.64 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VU030566.D

Acq: 30 Mar 2019 09:54

Instrument :

MSVOA_U

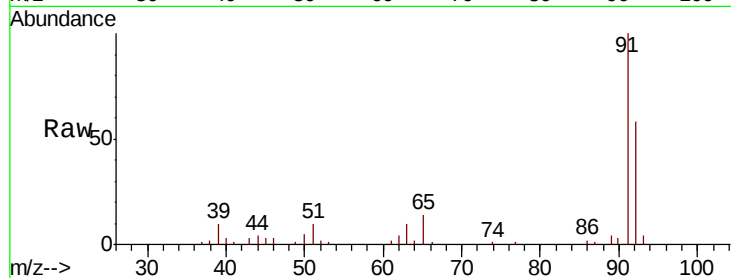
ClientSampleId :

Tot Ion: 92 Resp: 17340

Ion Ratio Lower Upper

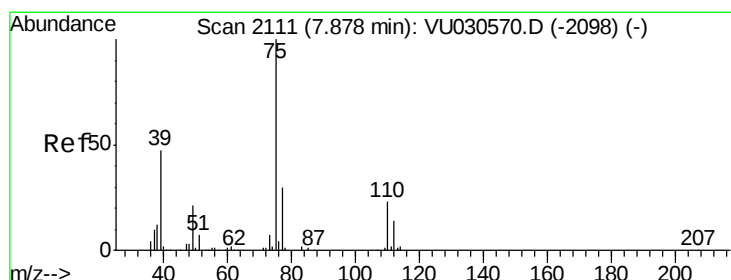
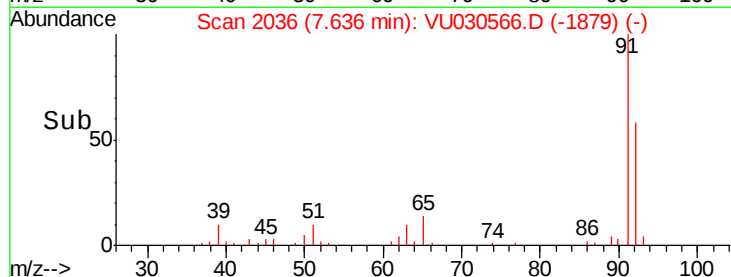
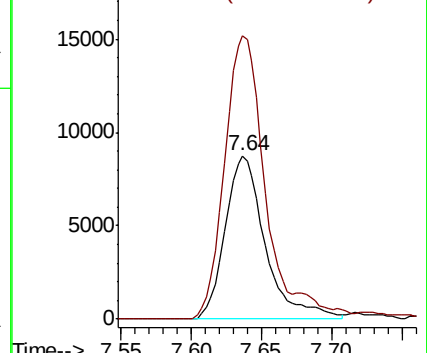
92 100

91 177.8 140.2 210.4



Abundance Ion 92.00 (91.70 to 92.70): VU030570.D (-2020) (-)

Ion 91.00 (90.70 to 91.70): VU030570.D (-2020) (-)



#50

t-1,3-Dichloropropene

Concen: 0.505 ug/l

RT: 7.89 min Scan# 2114

Delta R.T. 0.01 min

Lab File: VU030566.D

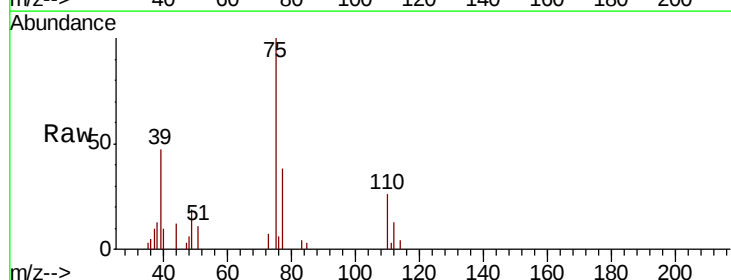
Acq: 30 Mar 2019 09:54

Tgt Ion: 75 Resp: 8479

Ion Ratio Lower Upper

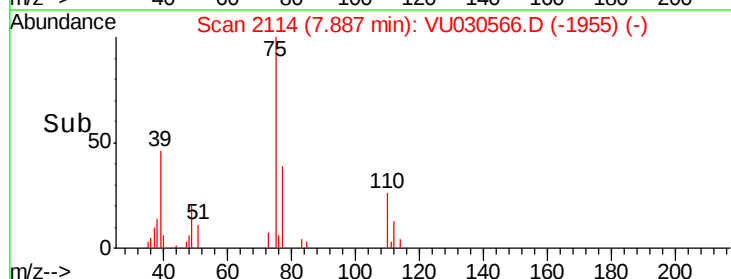
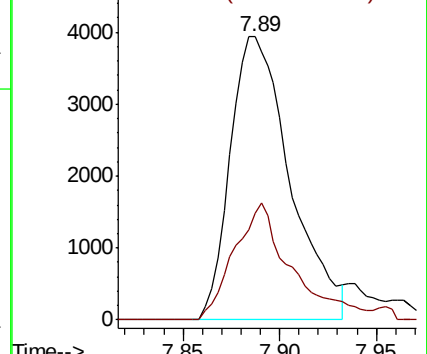
75 100

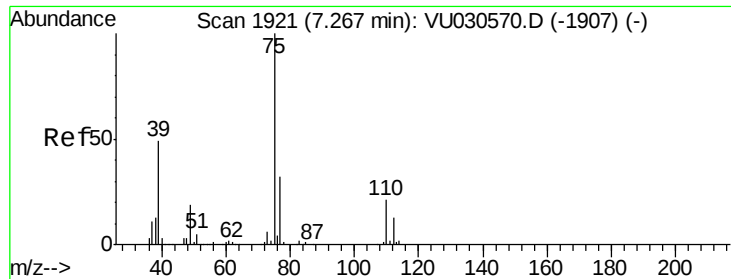
77 37.5 24.4 36.6#



Abundance Ion 75.00 (74.70 to 75.70): VU030570.D (-2098) (-)

Ion 77.00 (76.70 to 77.70): VU030570.D (-2098) (-)



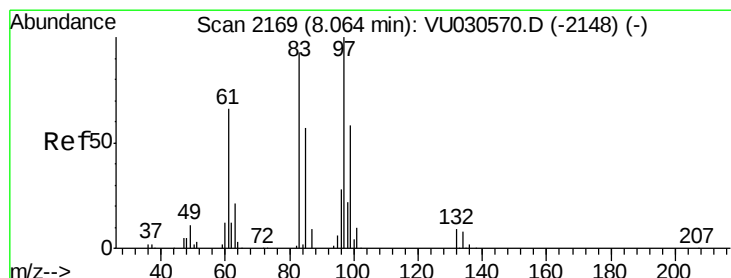
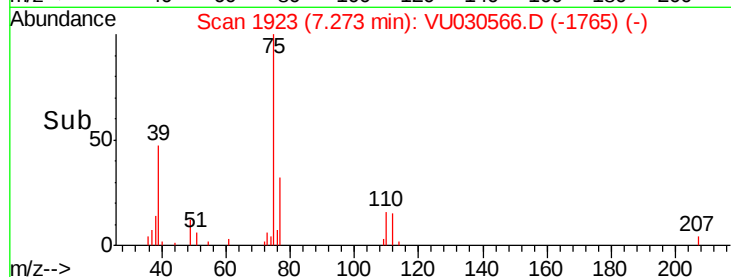
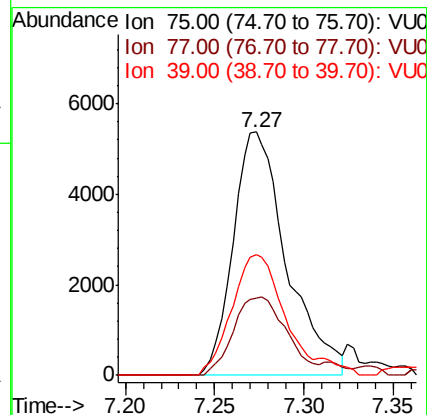
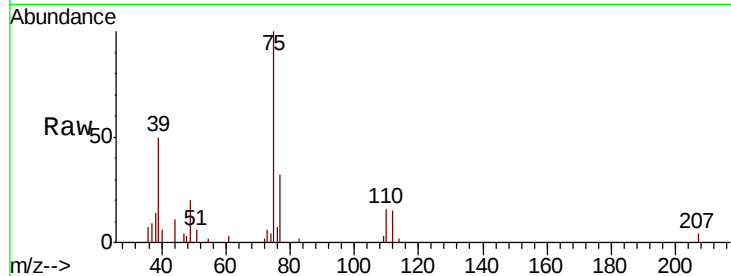


#51

cis-1,3-Dichloropropene
 Concen: 0.537 ug/l
 RT: 7.27 min Scan# 1923
 Delta R.T. 0.01 min
 Lab File: VU030566.D
 Acq: 30 Mar 2019 09:54

Instrument :
 MSVOA_U
 ClientSampleId :

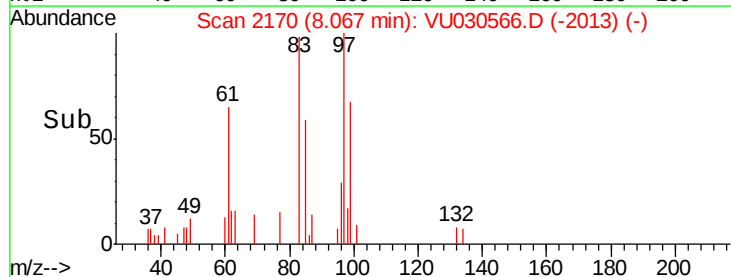
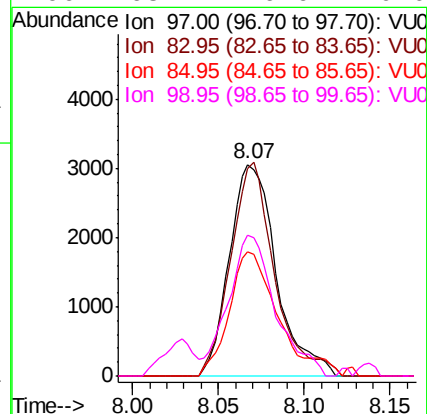
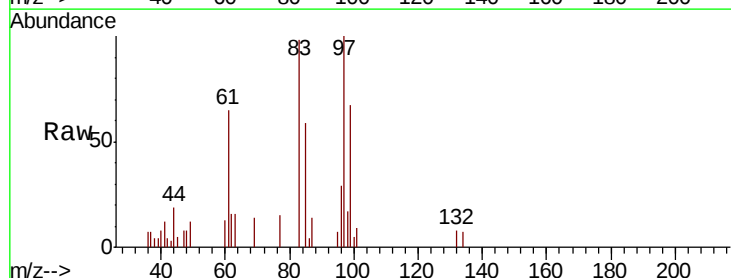
Tot Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.8	38.6
39	49.9	39.3	58.9

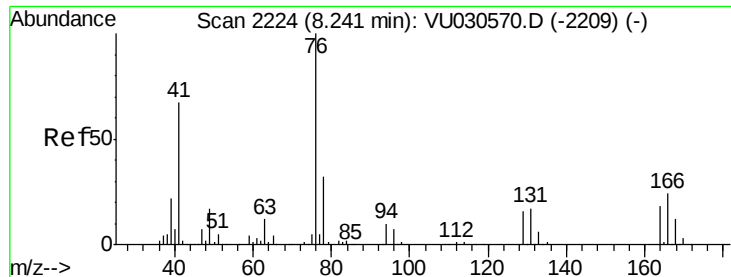


#52

1,1,2-Trichloroethane
 Concen: 0.532 ug/l
 RT: 8.07 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VU030566.D
 Acq: 30 Mar 2019 09:54

Tgt Ion	Ratio	Lower	Upper
97	100		
83	97.7	74.3	111.5
85	58.5	45.4	68.0
99	63.2	46.6	70.0





#53

1,3-Dichloropropane

Concen: 0.580 ug/l

RT: 8.24 min Scan# 2225

Delta R.T. 0.00 min

Lab File: VU030566.D

Acq: 30 Mar 2019 09:54

Instrument :

MSVOA_U

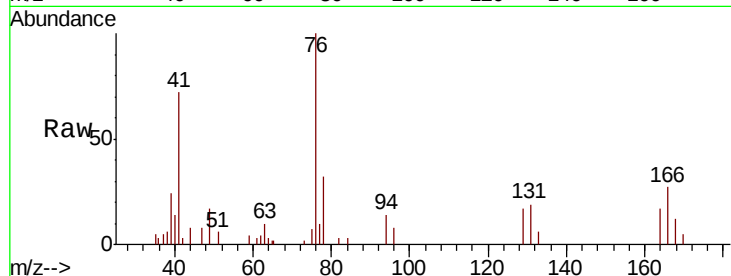
ClientSampleId :

Tot Ion: 76 Resp: 10762

Ion Ratio Lower Upper

76 100

78 31.7 25.3 37.9



Abundance Ion 76.00 (75.70 to 76.70): VU030570.D (-2209) (-)

Ion 78.00 (77.70 to 78.70): VU030570.D (-2209) (-)

8.24

6000

5000

4000

3000

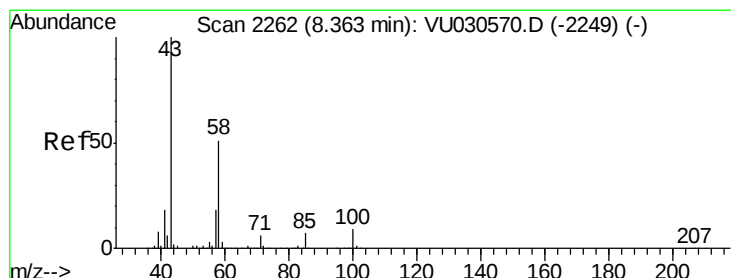
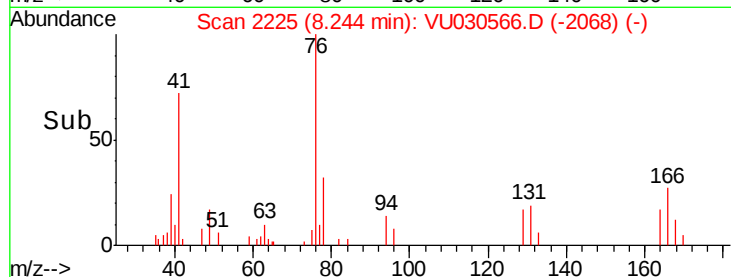
2000

1000

0

8.20 8.25 8.30

Time-->



#54

2-Hexanone

Concen: 3.756 ug/l

RT: 8.38 min Scan# 2266

Delta R.T. 0.01 min

Lab File: VU030566.D

Acq: 30 Mar 2019 09:54

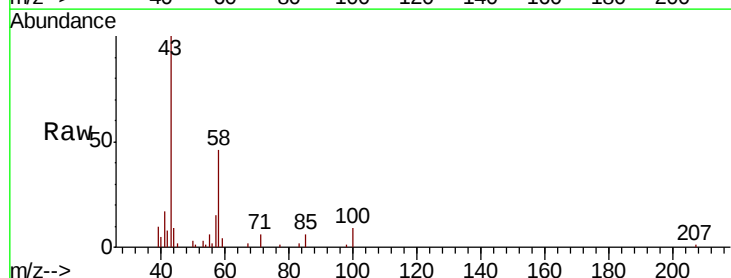
Tgt Ion: 43 Resp: 22010

Ion Ratio Lower Upper

43 100

58 43.8 32.5 72.5

57 13.5 0.0 37.6



Abundance Ion 43.00 (42.70 to 43.70): VU030570.D (-2249) (-)

Ion 58.00 (57.70 to 58.70): VU030570.D (-2249) (-)

Ion 57.00 (56.70 to 57.70): VU030570.D (-2249) (-)

8.38

12000

10000

8000

6000

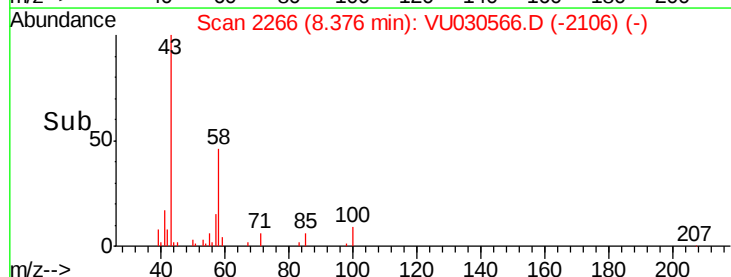
4000

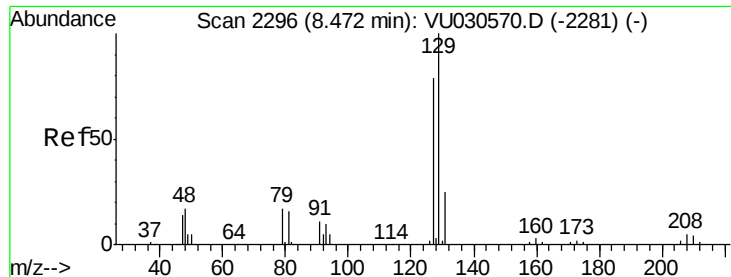
2000

0

8.30 8.40 8.50

Time-->

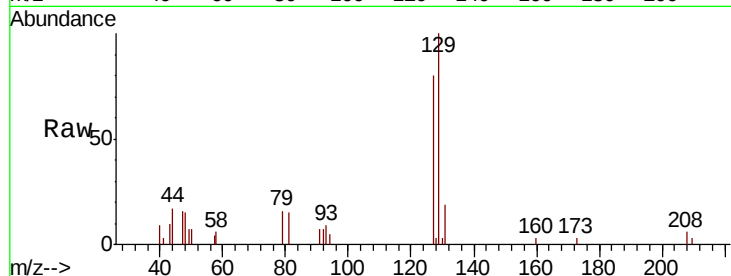




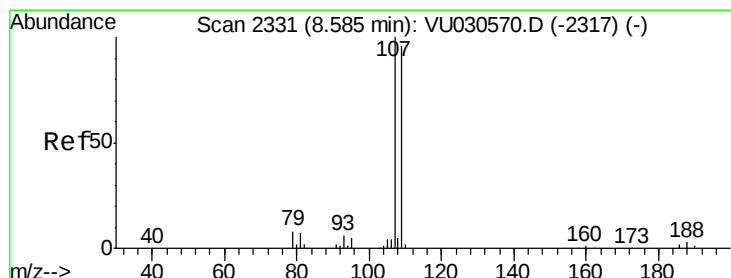
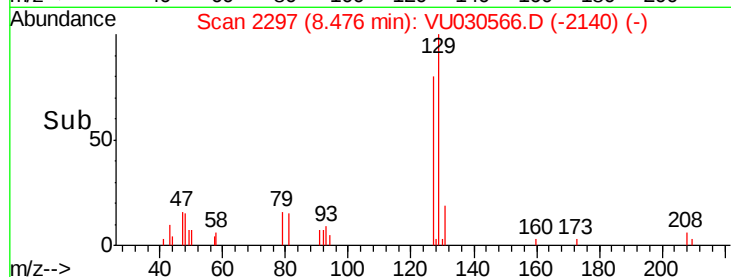
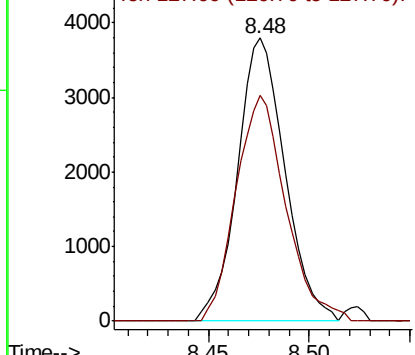
#55
 Dibromochloromethane
 Concen: 0.481 ug/l
 RT: 8.48 min Scan# 2297
 Delta R.T. 0.00 min
 Lab File: VU030566.D
 Acq: 30 Mar 2019 09:54

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:129 Resp: 6250
 Ion Ratio Lower Upper
 129 100
 127 84.0 62.2 93.4

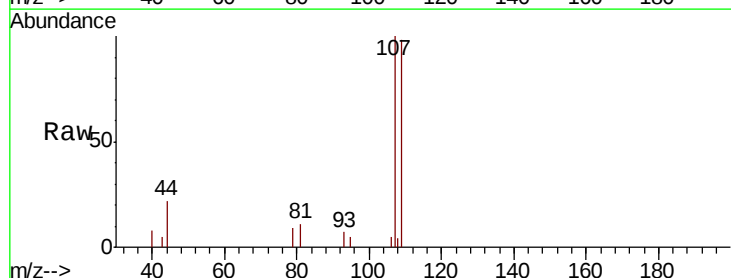


Abundance Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V

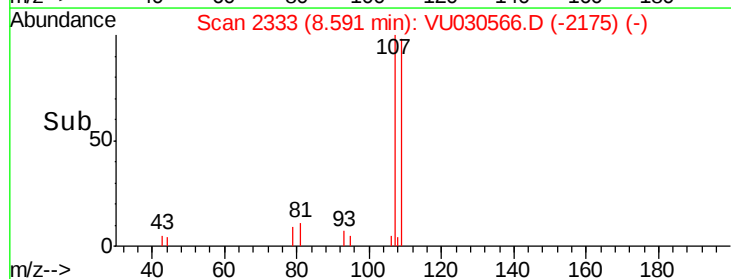
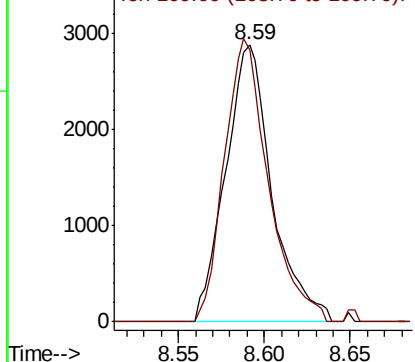


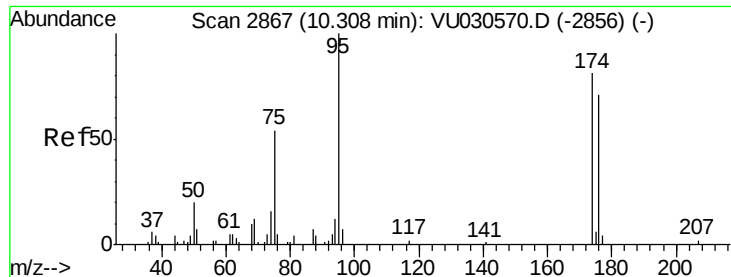
#56
 1,2-Dibromoethane
 Concen: 0.520 ug/l
 RT: 8.59 min Scan# 2333
 Delta R.T. 0.01 min
 Lab File: VU030566.D
 Acq: 30 Mar 2019 09:54

Tgt Ion:107 Resp: 5406
 Ion Ratio Lower Upper
 107 100
 109 97.1 0.0 190.0



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

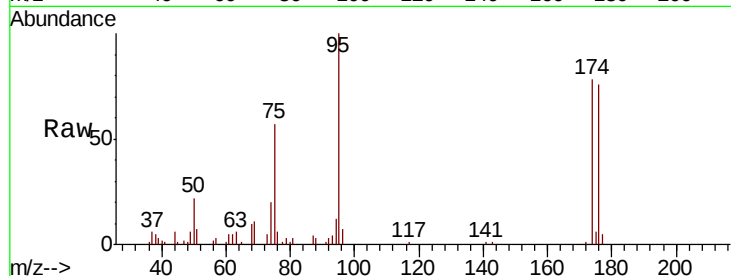




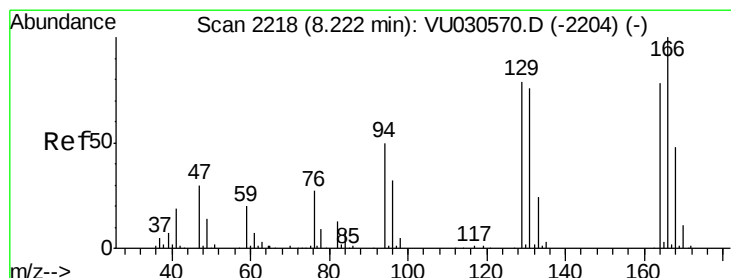
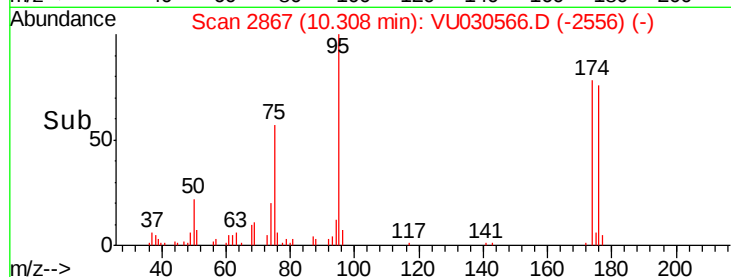
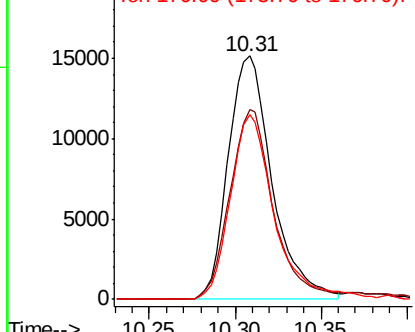
#57
4-Bromofluorobenzene
Concen: 0.520 ug/l
RT: 10.31 min Scan# 2867
Delta R.T. 0.00 min
Lab File: VU030566.D
Acq: 30 Mar 2019 09:54

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 95 Resp: 26782
Ion Ratio Lower Upper
95 100
174 77.3 60.5 90.7
176 76.1 57.9 86.9

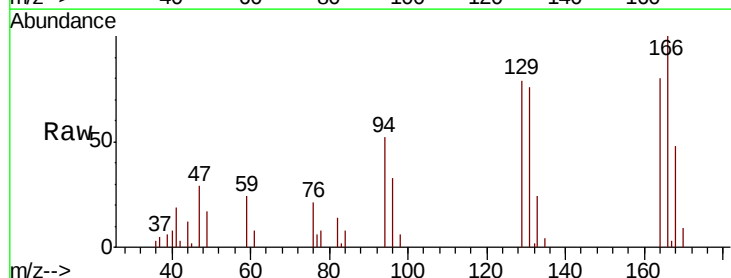


Abundance Ion 95.00 (94.70 to 95.70): VU0
Ion 174.00 (173.70 to 174.70): V
Ion 176.00 (175.70 to 176.70): V

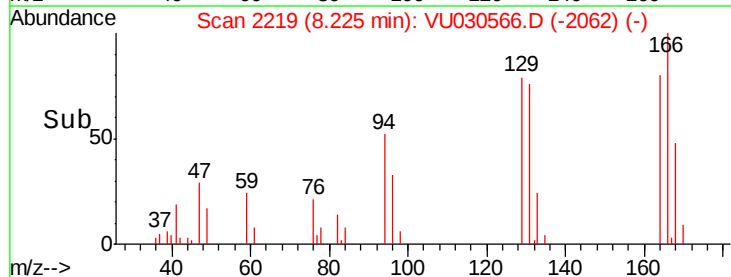
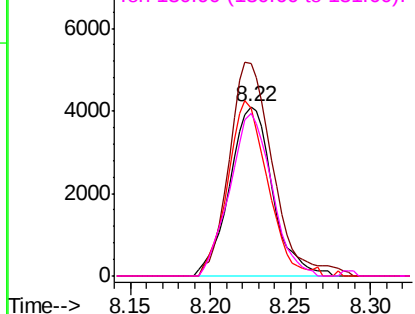


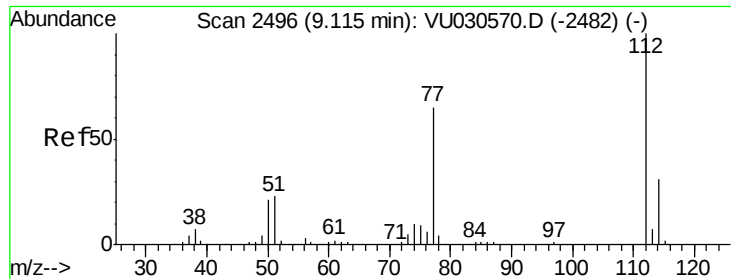
#58
Tetrachloroethene
Concen: 0.499 ug/l
RT: 8.22 min Scan# 2219
Delta R.T. 0.00 min
Lab File: VU030566.D
Acq: 30 Mar 2019 09:54

Tgt Ion: 164 Resp: 7501
Ion Ratio Lower Upper
164 100
166 125.3 102.4 153.6
129 98.6 81.4 122.0
131 95.8 77.7 116.5



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V





#59

Chlorobenzene

Concen: 0.512 ug/l

RT: 9.12 min Scan# 2498

Delta R.T. 0.01 min

Lab File: VU030566.D

Acq: 30 Mar 2019 09:54

Instrument :

MSVOA_U

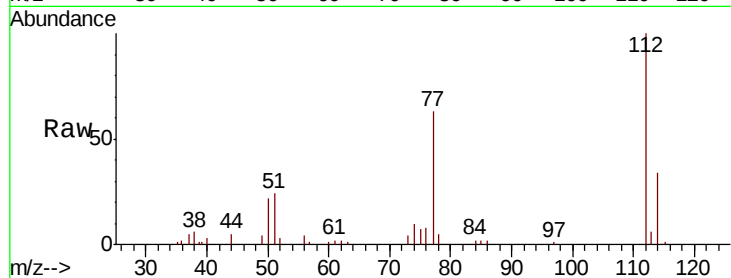
ClientSampleId :

Tot Ion:112 Resp: 20507

Ion Ratio Lower Upper

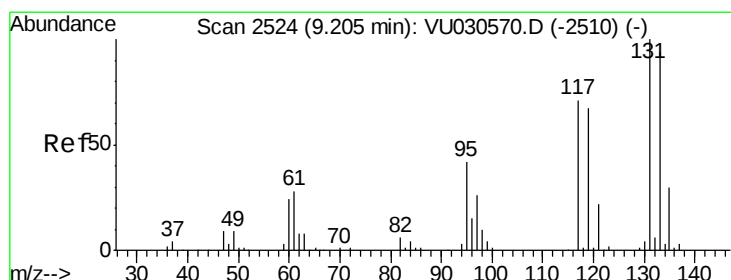
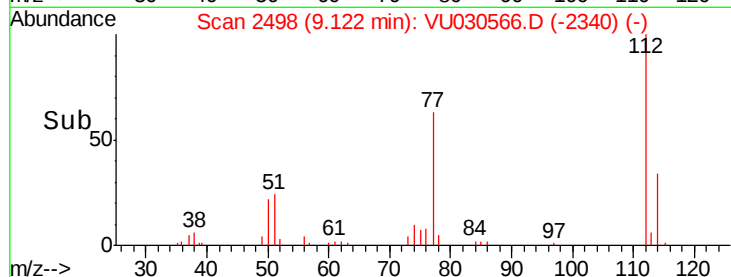
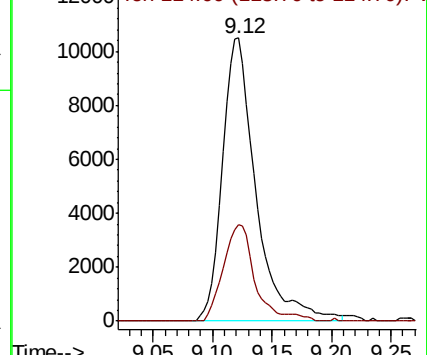
112 100

114 34.0 24.9 37.3



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#60

1,1,1,2-Tetrachloroethane

Concen: 0.487 ug/l

RT: 9.21 min Scan# 2524

Delta R.T. 0.00 min

Lab File: VU030566.D

Acq: 30 Mar 2019 09:54

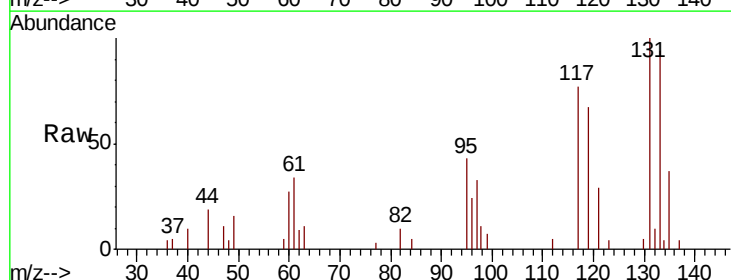
Tgt Ion:131 Resp: 6840

Ion Ratio Lower Upper

131 100

133 98.3 77.5 116.3

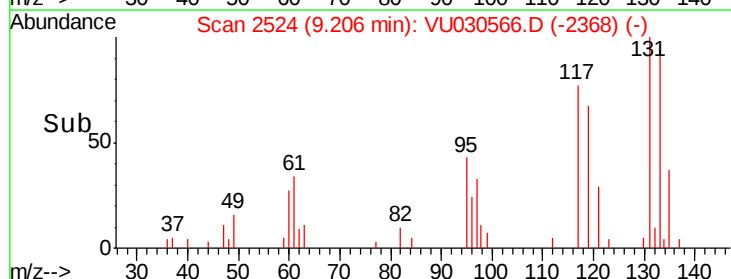
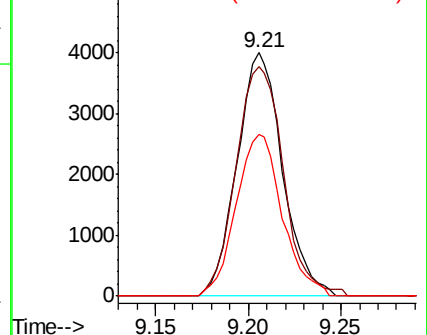
119 67.1 53.2 79.8

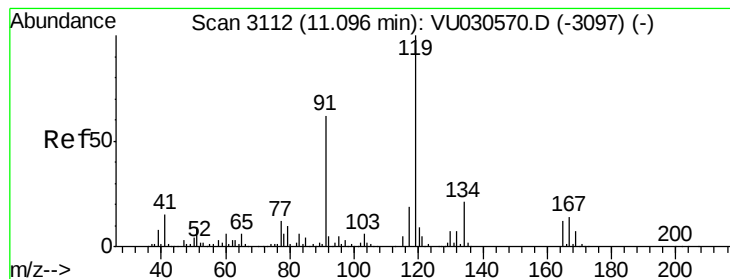


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#61

Pentachloroethane

Concen: 0.513 ug/l

RT: 11.10 min Scan# 3112

Delta R.T. 0.00 min

Lab File: VU030566.D

Acq: 30 Mar 2019 09:54

Instrument :

MSVOA_U

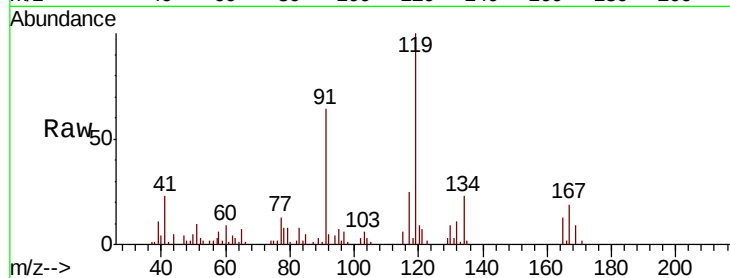
ClientSampleId :

Tot Ion:117 Resp: 5613

Ion Ratio Lower Upper

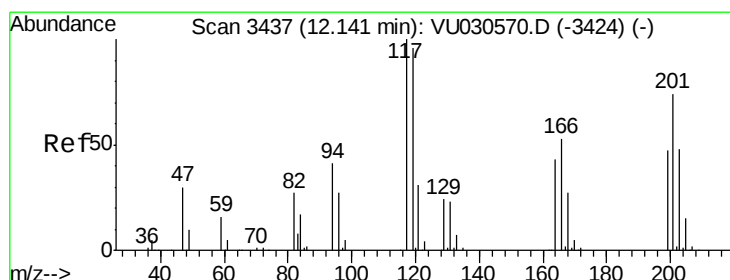
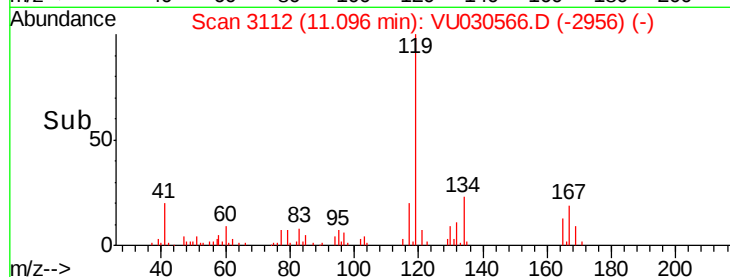
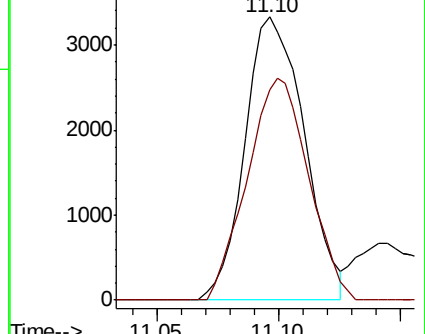
117 100

167 81.0 62.6 93.8



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 166.70 (166.40 to 167.40): V



#62

Hexachloroethane

Concen: 0.435 ug/l

RT: 12.14 min Scan# 3436

Delta R.T. -0.00 min

Lab File: VU030566.D

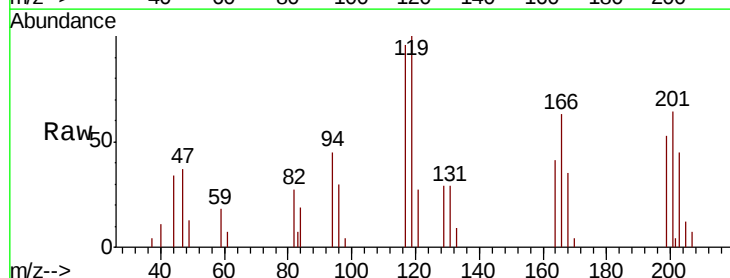
Acq: 30 Mar 2019 09:54

Tgt Ion:117 Resp: 4661

Ion Ratio Lower Upper

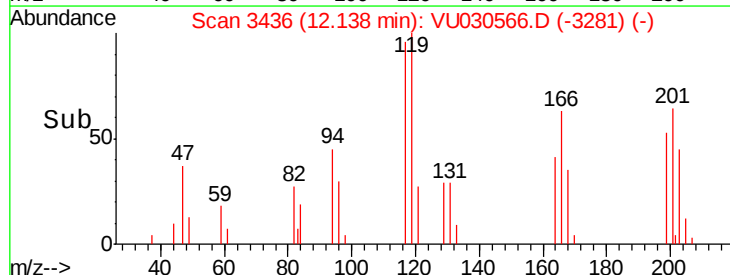
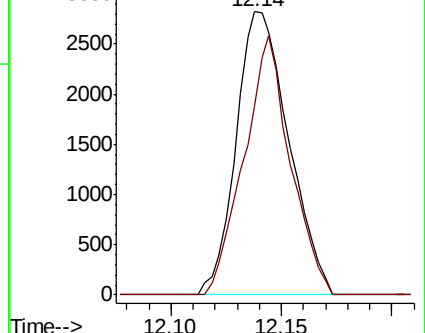
117 100

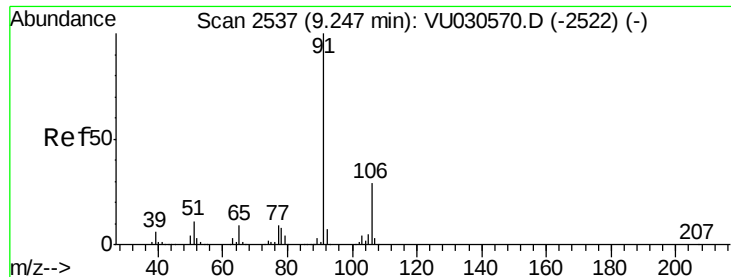
201 80.5 59.1 88.7



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.60 (200.30 to 201.30): V





#63

Ethyl Benzene

Concen: 0.459 ug/l

RT: 9.25 min Scan# 2537

Delta R.T. 0.00 min

Lab File: VU030566.D

Acq: 30 Mar 2019 09:54

Instrument :

MSVOA_U

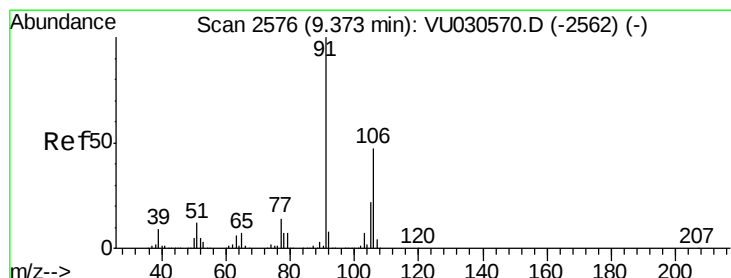
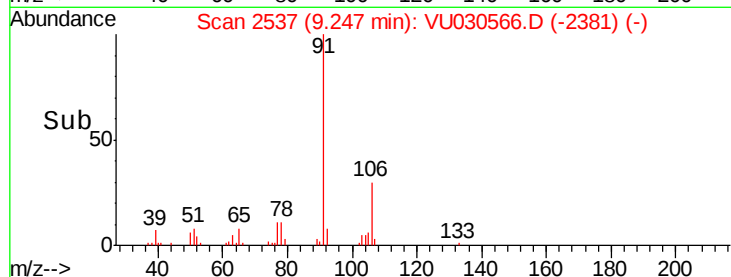
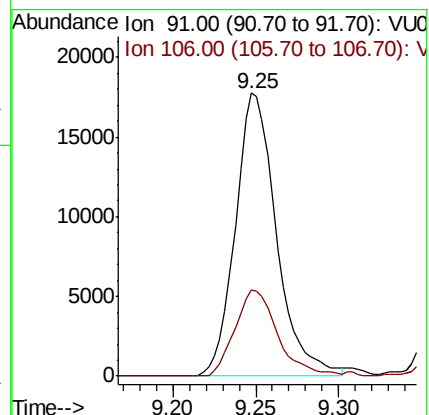
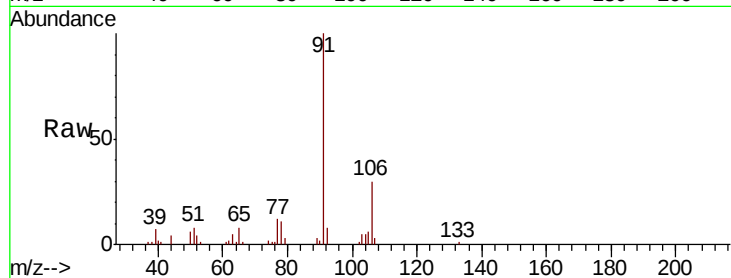
ClientSampleId :

Tot Ion: 91 Resp: 30625

Ion Ratio Lower Upper

91 100

106 30.3 23.1 34.7



#64

m/p-Xylenes

Concen: 0.842 ug/l

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU030566.D

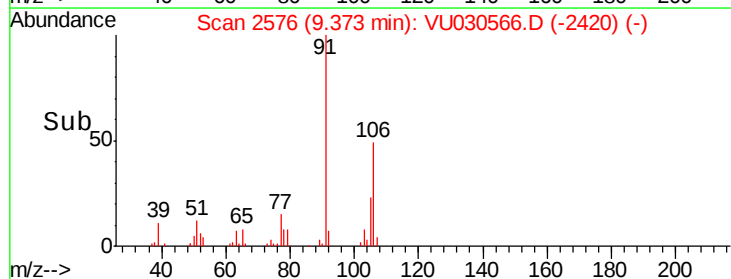
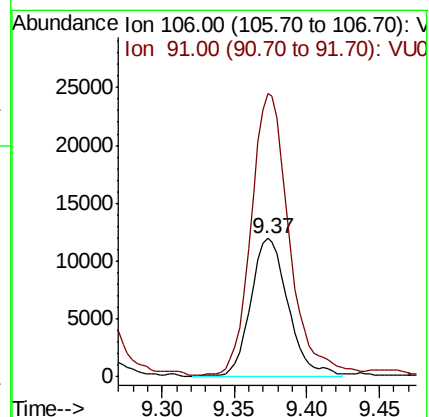
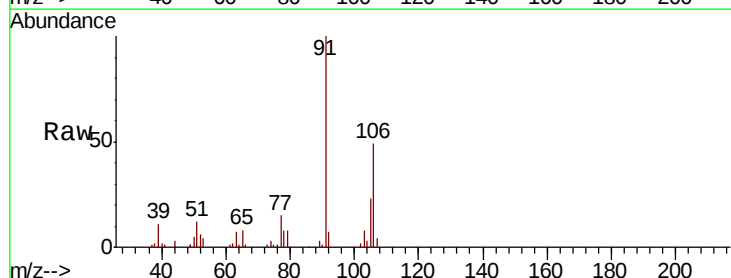
Acq: 30 Mar 2019 09:54

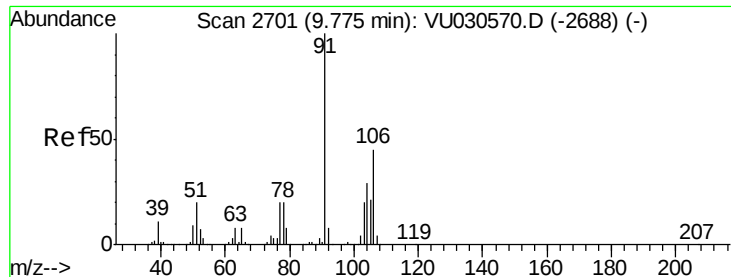
Tgt Ion: 106 Resp: 21709

Ion Ratio Lower Upper

106 100

91 205.9 179.4 269.0

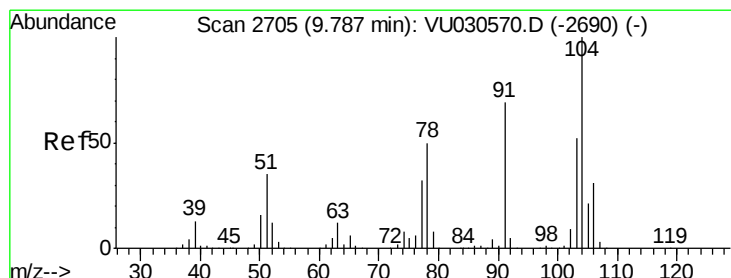
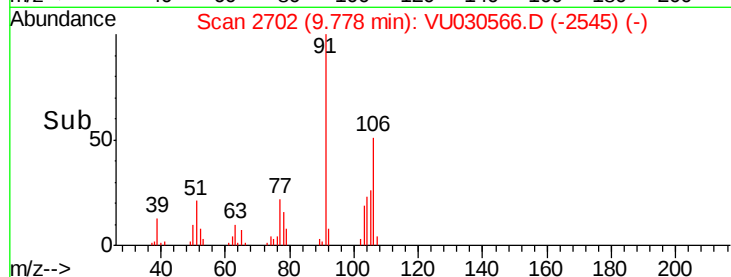
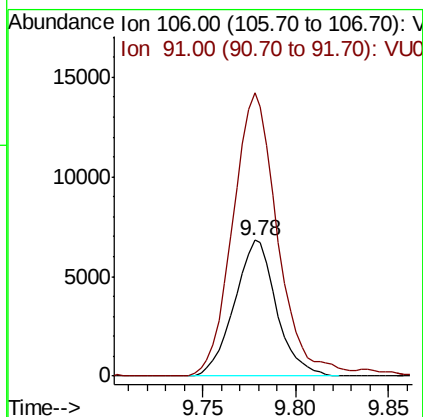
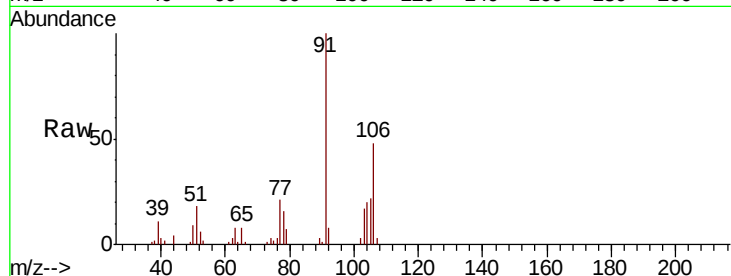




#65
o-Xylene
Concen: 0.424 ug/l
RT: 9.78 min Scan# 2702
Delta R.T. 0.00 min
Lab File: VU030566.D
Acq: 30 Mar 2019 09:54

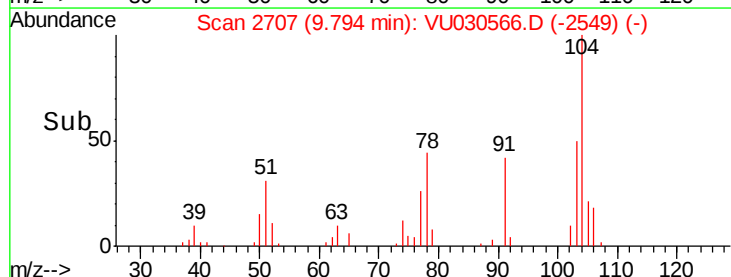
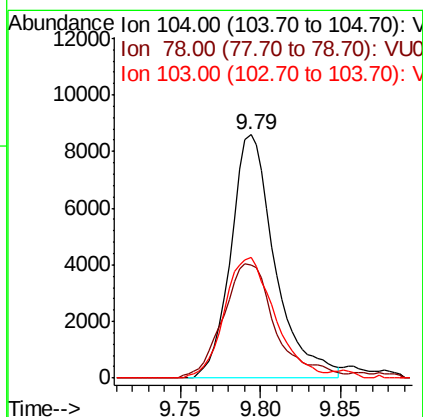
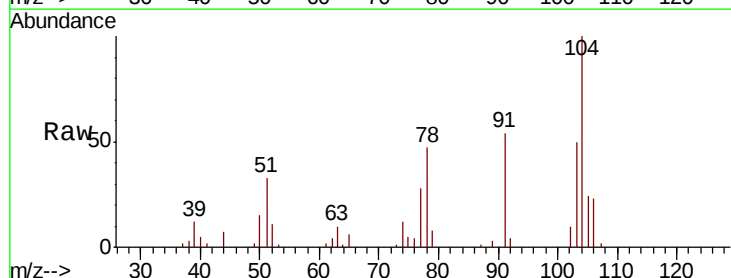
Instrument :
MSVOA_U
ClientSampled :

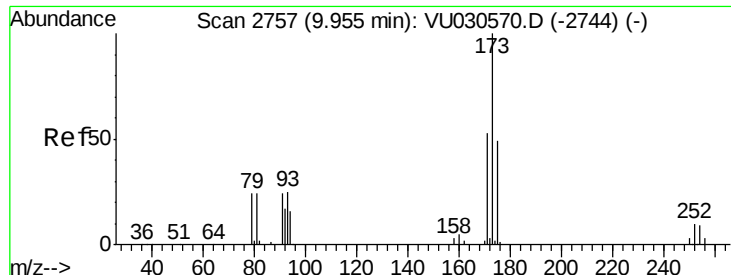
Tot Ion:106 Resp: 10727
Ion Ratio Lower Upper
106 100
91 221.6 115.5 346.4



#66
Styrene
Concen: 0.387 ug/l
RT: 9.79 min Scan# 2707
Delta R.T. 0.01 min
Lab File: VU030566.D
Acq: 30 Mar 2019 09:54

Tgt Ion:104 Resp: 16177
Ion Ratio Lower Upper
104 100
78 56.1 42.3 63.5
103 56.8 44.7 67.1





#67

Bromoform

Concen: 0.491 ug/l

RT: 9.95 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VU030566.D

Acq: 30 Mar 2019 09:54

Instrument :
MSVOA_U
ClientSampled :

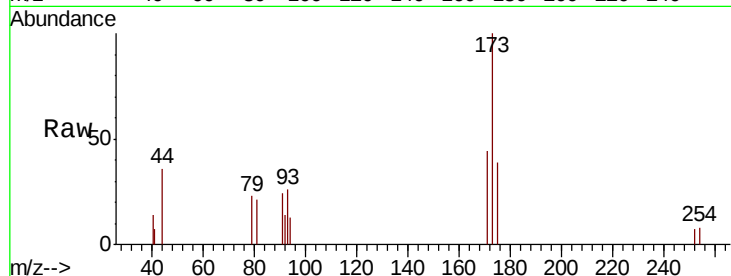
Tot Ion:173 Resp: 3612

Ion Ratio Lower Upper

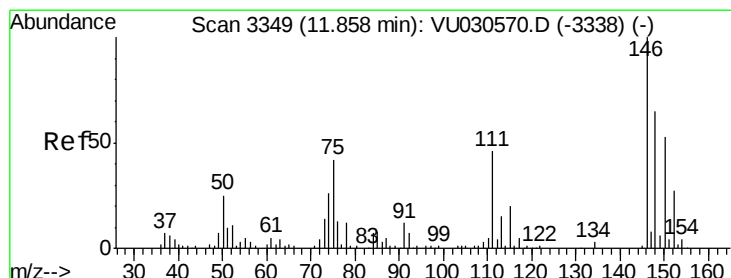
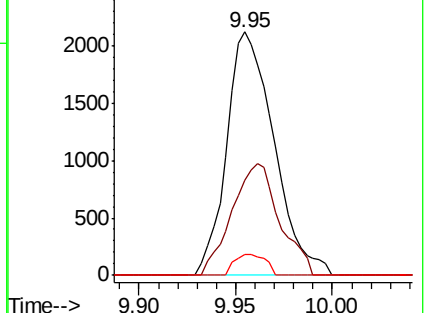
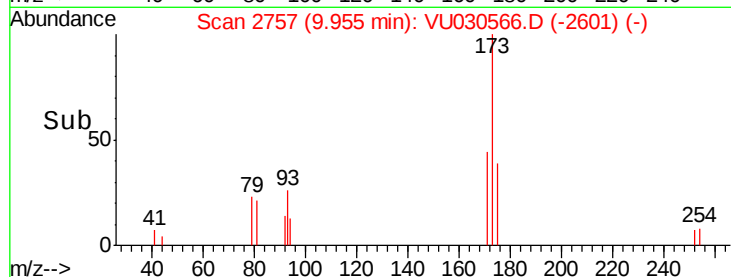
173 100

175 46.3 38.6 57.8

254 5.6 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: 0.491 ug/l

RT: 11.86 min Scan# 3349

Delta R.T. 0.00 min

Lab File: VU030566.D

Acq: 30 Mar 2019 09:54

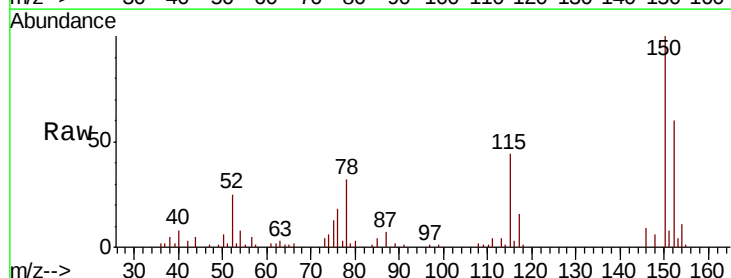
Tgt Ion:152 Resp: 16712

Ion Ratio Lower Upper

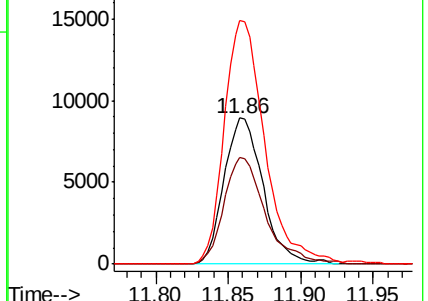
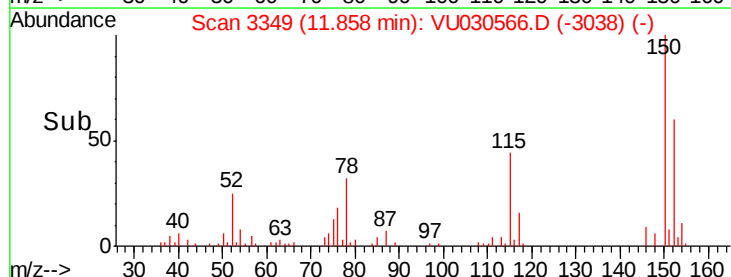
152 100

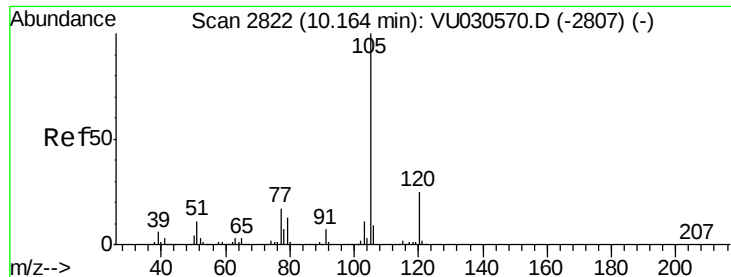
115 77.7 0.0 136.2

150 172.9 0.0 634.6



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





#69

Isopropylbenzene

Concen: 0.438 ug/l

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU030566.D

Acq: 30 Mar 2019 09:54

Instrument :

MSVOA_U

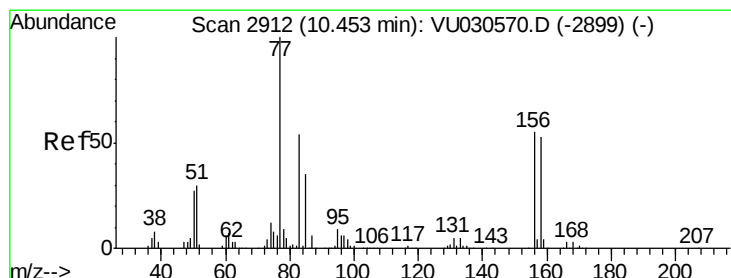
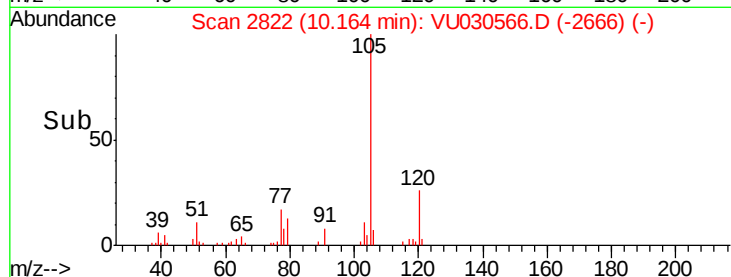
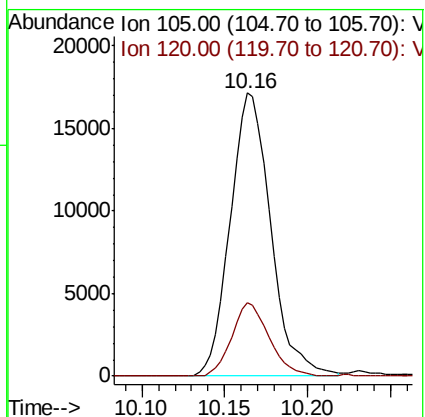
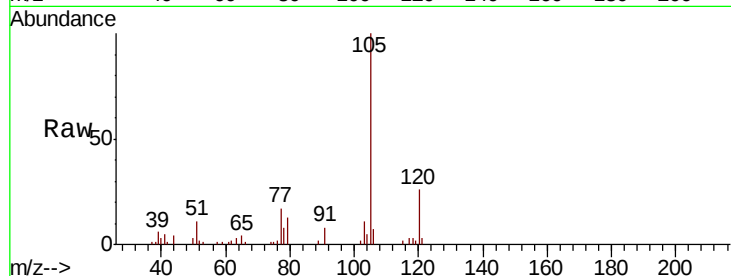
ClientSampleId :

Tot Ion:105 Resp: 29153

Ion Ratio Lower Upper

105 100

120 23.9 12.6 37.6



#70

1,1,2,2-Tetrachloroethane

Concen: 0.553 ug/l

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU030566.D

Acq: 30 Mar 2019 09:54

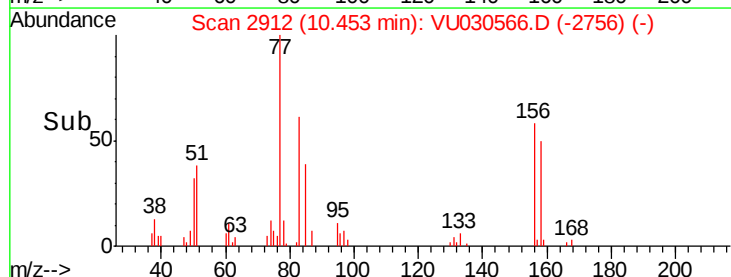
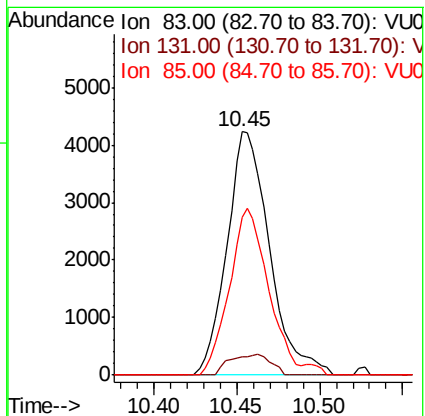
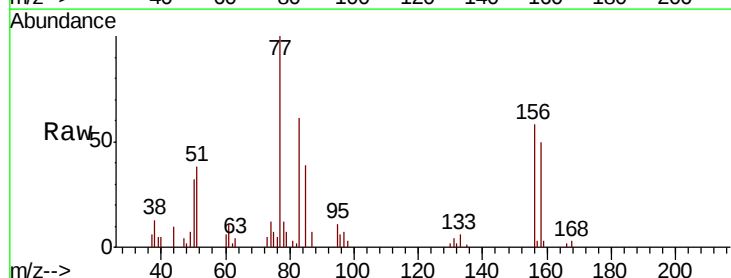
Tgt Ion: 83 Resp: 7561

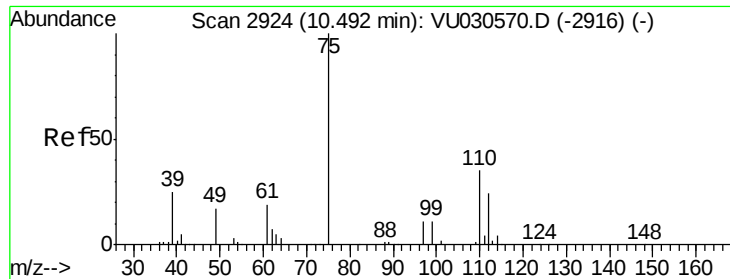
Ion Ratio Lower Upper

83 100

131 8.1 7.0 10.6

85 62.4 51.0 76.4

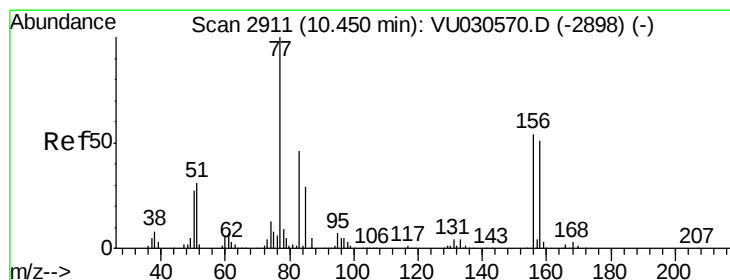
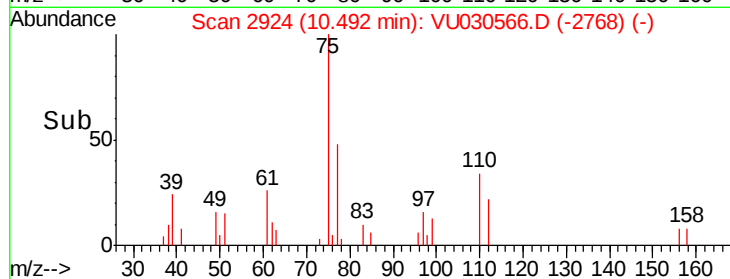
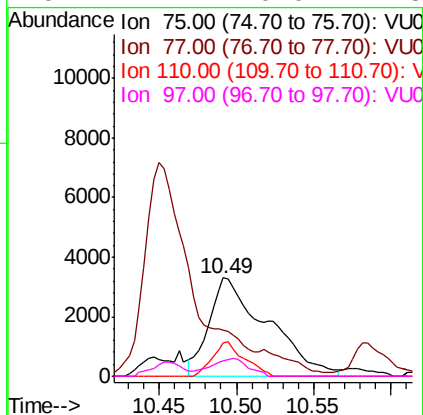
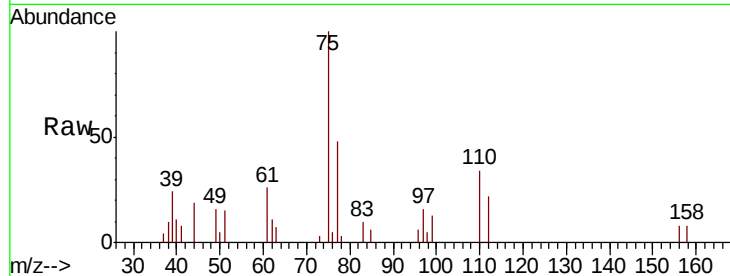




#71
 1,2,3-Trichloropropane
 Concen: 0.874 ug/l
 RT: 10.49 min Scan# 2924
 Delta R.T. 0.00 min
 Lab File: VU030566.D
 Acq: 30 Mar 2019 09:54

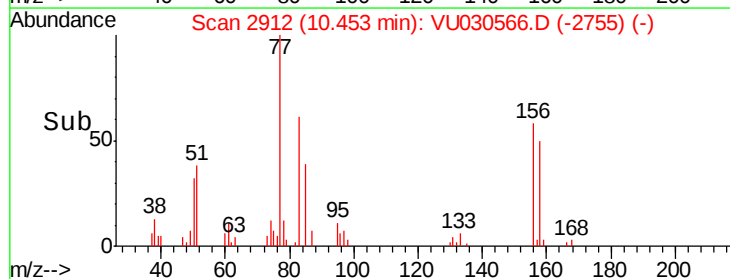
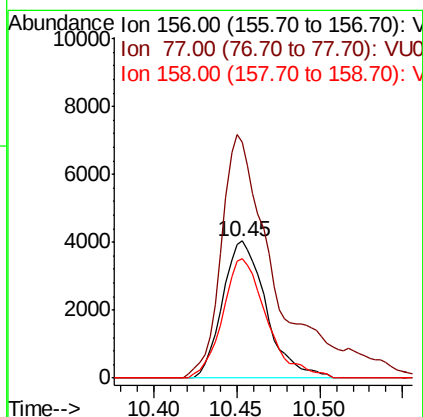
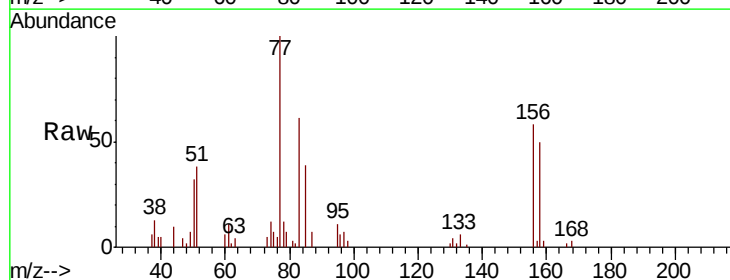
Instrument :
 MSVOA_U
 ClientSampled :

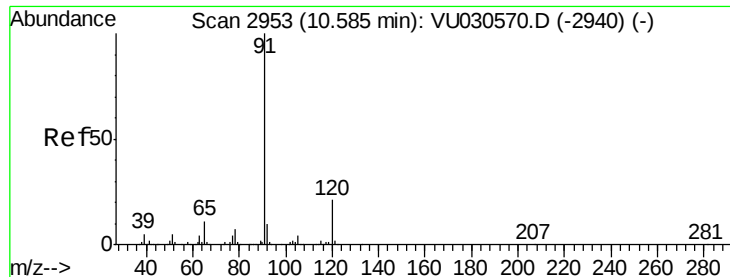
Tot Ion:	75	Resp:	8663
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0
110	18.9	0.0	83.8
97	11.2	0.0	42.8



#72
 Bromobenzene
 Concen: 0.432 ug/l
 RT: 10.45 min Scan# 2912
 Delta R.T. 0.00 min
 Lab File: VU030566.D
 Acq: 30 Mar 2019 09:54

Tgt Ion:	156	Resp:	7374
Ion	Ratio	Lower	Upper
156	100		
77	225.7	0.0	363.0
158	88.2	0.0	193.2





#73

n-propylbenzene

Concen: 0.382 ug/l

RT: 10.59 min Scan# 2954

Delta R.T. 0.00 min

Lab File: VU030566.D

Acq: 30 Mar 2019 09:54

Instrument :

MSVOA_U

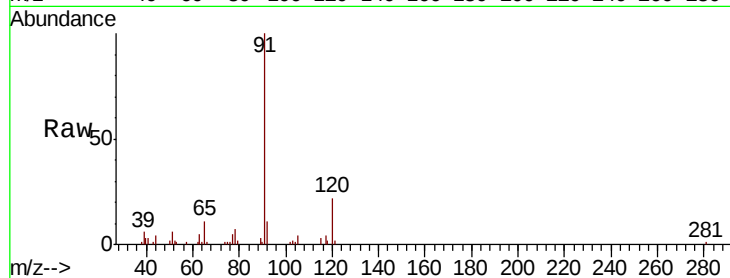
ClientSampleId :

Tot Ion:120 Resp: 7129

Ion Ratio Lower Upper

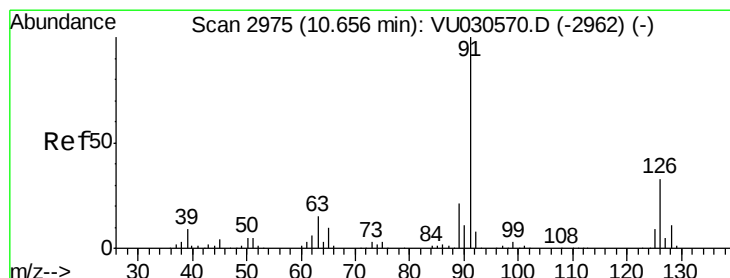
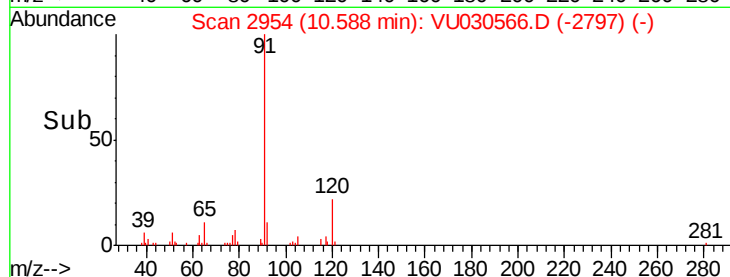
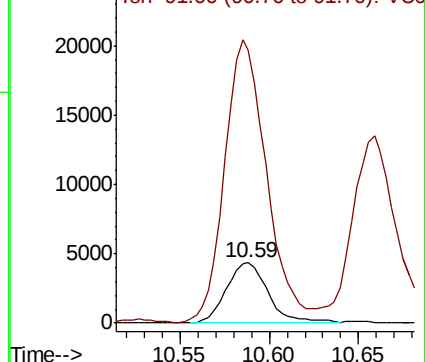
120 100

91 468.9 371.6 557.4



Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 0.388 ug/l

RT: 10.66 min Scan# 2977

Delta R.T. 0.01 min

Lab File: VU030566.D

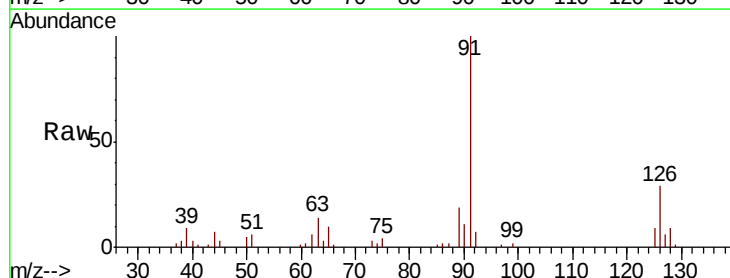
Acq: 30 Mar 2019 09:54

Tgt Ion:126 Resp: 6367

Ion Ratio Lower Upper

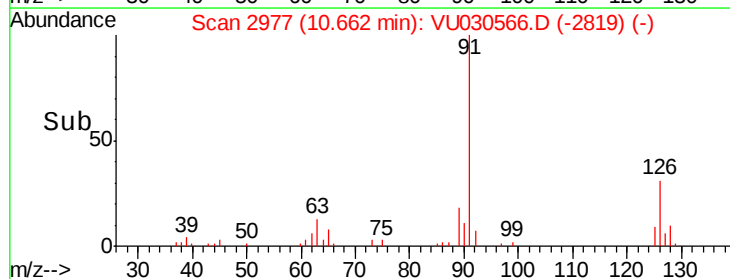
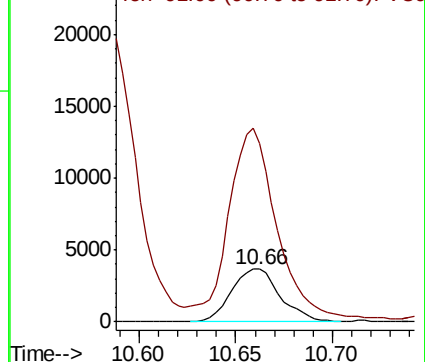
126 100

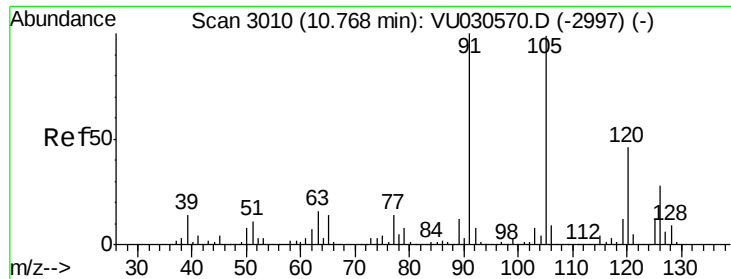
91 360.0 0.0 656.8



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#75

1,3,5-Trimethylbenzene

Concen: 0.378 ug/l

RT: 10.77 min Scan# 3011

Delta R.T. 0.00 min

Lab File: VU030566.D

Acq: 30 Mar 2019 09:54

Instrument :

MSVOA_U

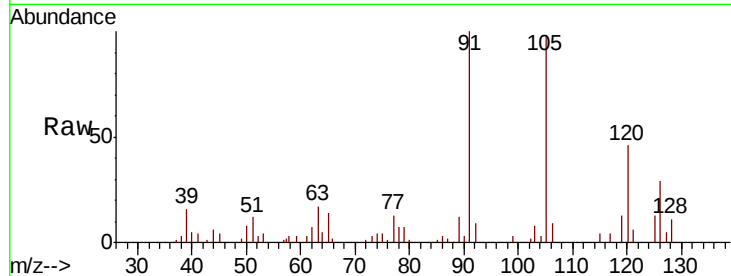
ClientSampled :

Tot Ion:105 Resp: 21334

Ion Ratio Lower Upper

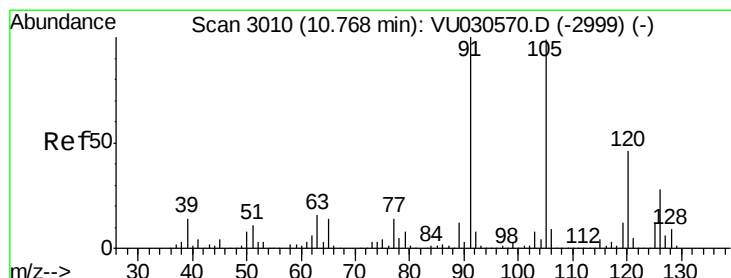
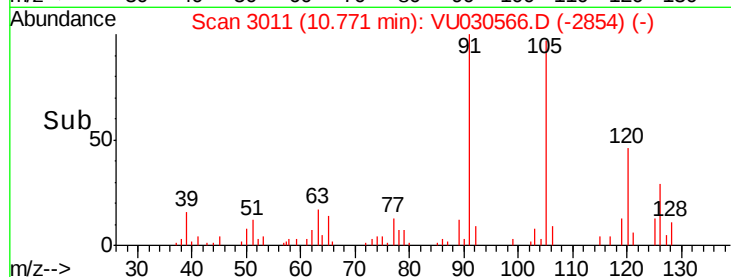
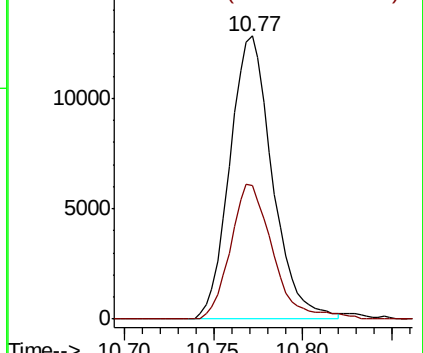
105 100

120 47.3 37.6 56.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

4-Chlorotoluene

Concen: 0.408 ug/l

RT: 10.77 min Scan# 3011

Delta R.T. 0.00 min

Lab File: VU030566.D

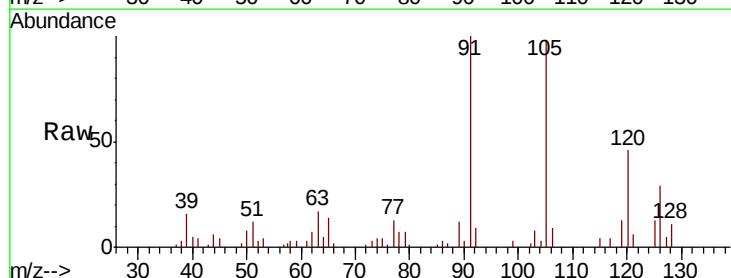
Acq: 30 Mar 2019 09:54

Tgt Ion:126 Resp: 6799

Ion Ratio Lower Upper

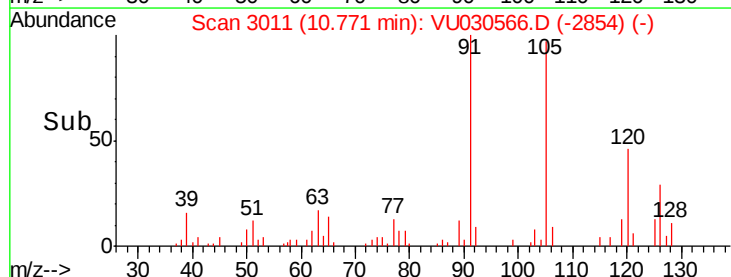
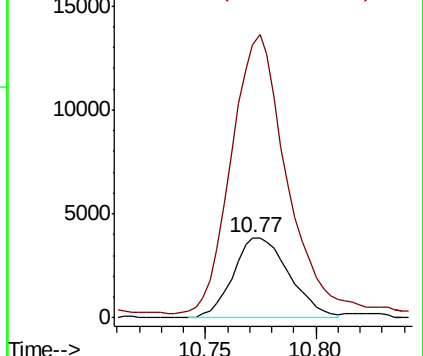
126 100

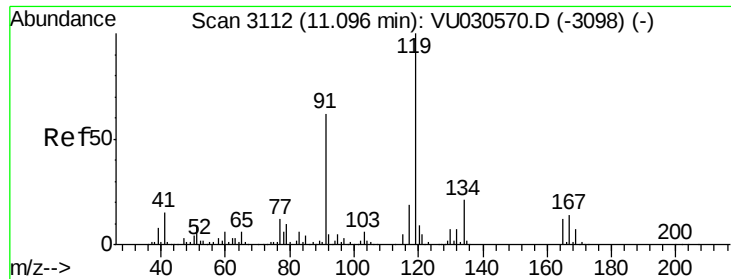
91 348.5 0.0 721.6



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0

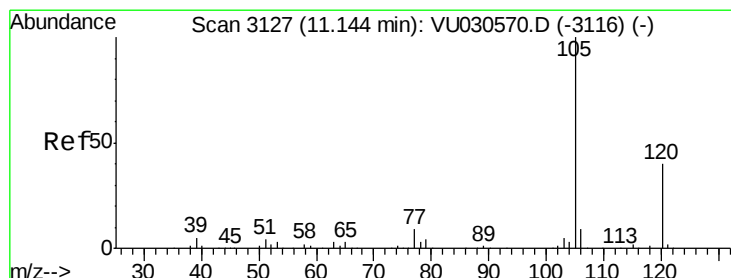
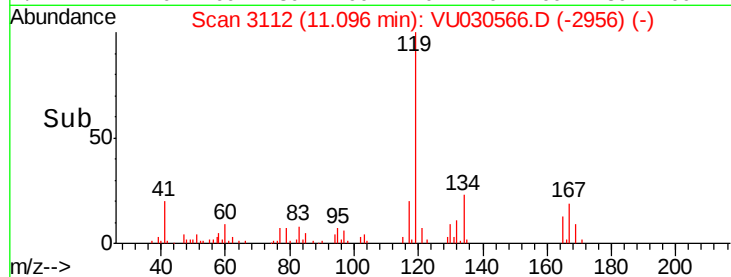
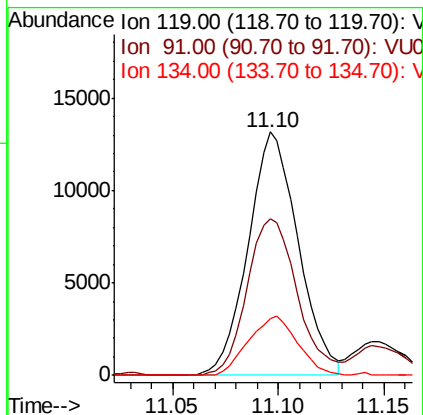
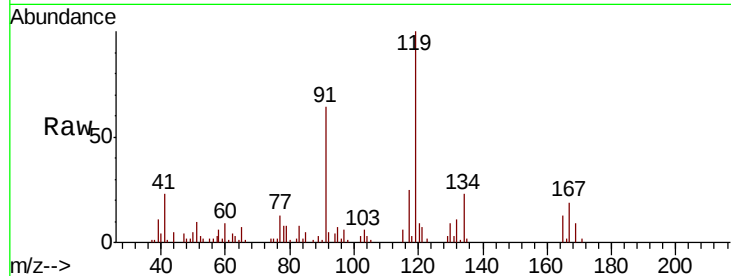




#77
 tert-Butylbenzene
 Concen: 0.395 ug/l
 RT: 11.10 min Scan# 3112
 Delta R.T. 0.00 min
 Lab File: VU030566.D
 Acq: 30 Mar 2019 09:54

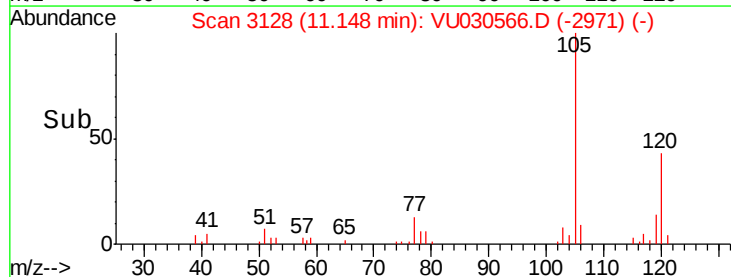
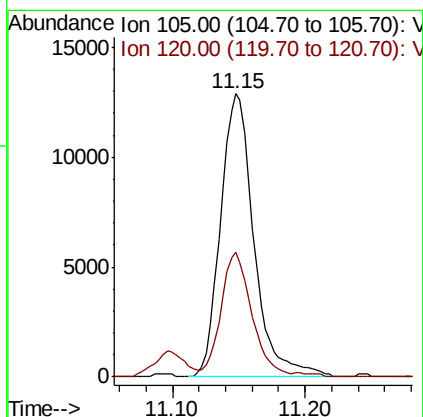
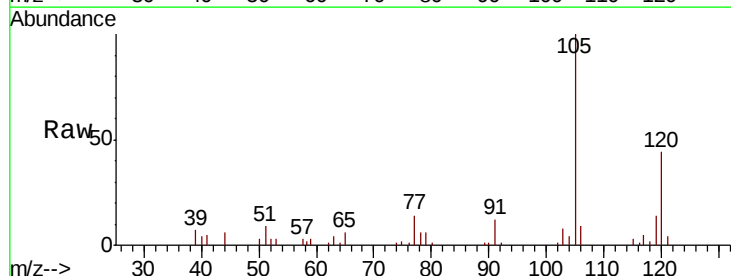
Instrument :
 MSVOA_U
 ClientSampleId :

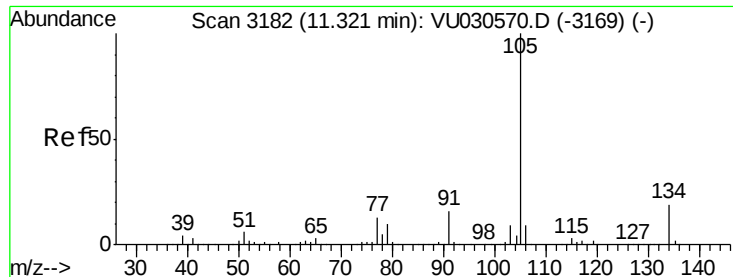
Tot Ion:119 Resp: 21728
 Ion Ratio Lower Upper
 119 100
 91 64.3 30.9 92.8
 134 23.7 17.6 26.4



#78
 1,2,4-Trimethylbenzene
 Concen: 0.394 ug/l
 RT: 11.15 min Scan# 3128
 Delta R.T. 0.00 min
 Lab File: VU030566.D
 Acq: 30 Mar 2019 09:54

Tgt Ion:105 Resp: 22557
 Ion Ratio Lower Upper
 105 100
 120 38.6 22.1 66.5





#79

sec-Butylbenzene

Concen: 0.402 ug/l

RT: 11.32 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VU030566.D

Acq: 30 Mar 2019 09:54

Instrument :

MSVOA_U

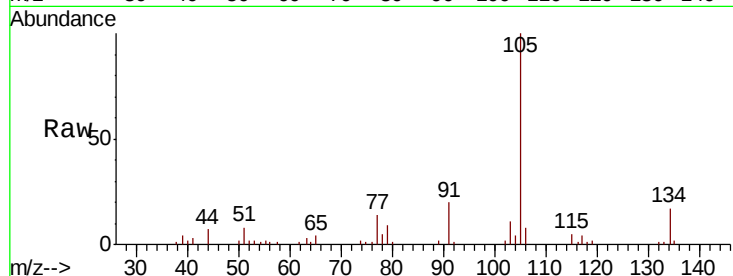
ClientSampleId :

Tot Ion:105 Resp: 29640

Ion Ratio Lower Upper

105 100

134 16.9 14.7 22.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.32

15000

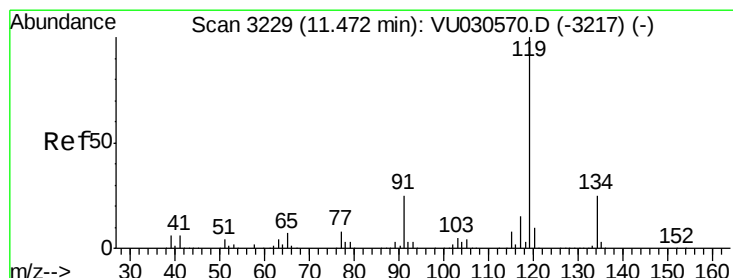
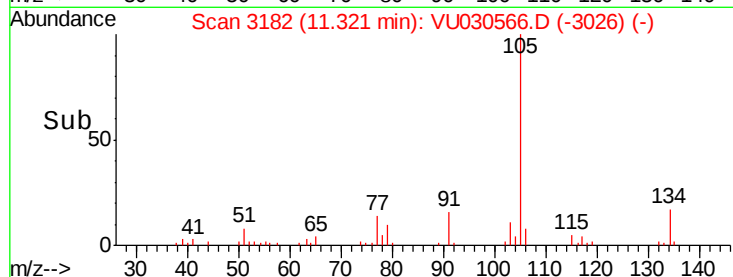
10000

5000

0

Time-->

11.30 11.40



#81

p-Isopropyltoluene

Concen: 0.345 ug/l

RT: 11.47 min Scan# 3229

Delta R.T. 0.00 min

Lab File: VU030566.D

Acq: 30 Mar 2019 09:54

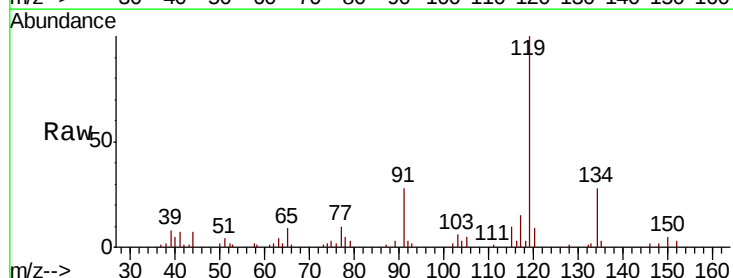
Tgt Ion:119 Resp: 21059

Ion Ratio Lower Upper

119 100

134 27.9 20.6 31.0

91 27.5 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): VU0

11.47

15000

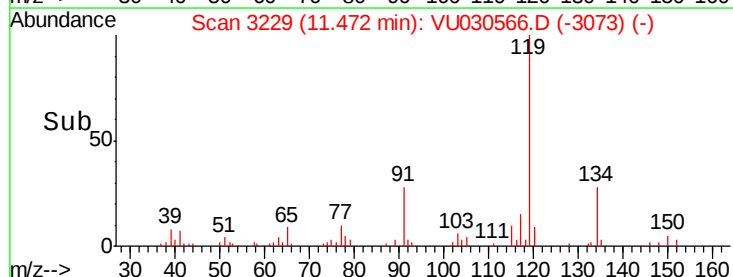
10000

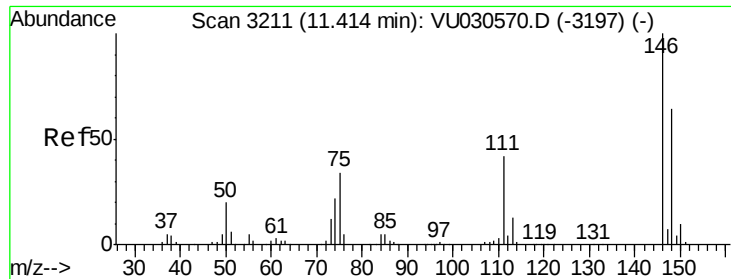
5000

0

Time-->

11.40 11.45 11.50 11.55

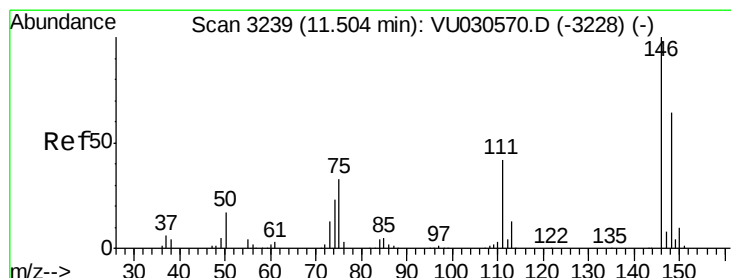
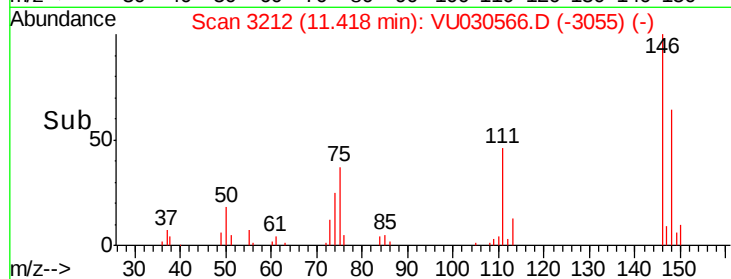
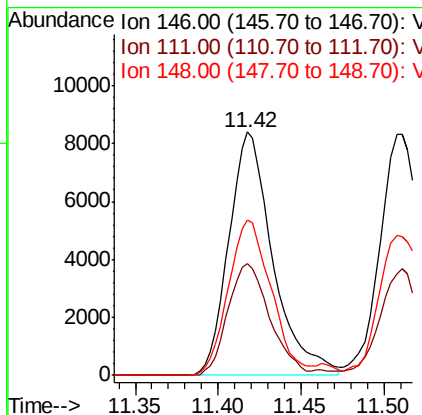
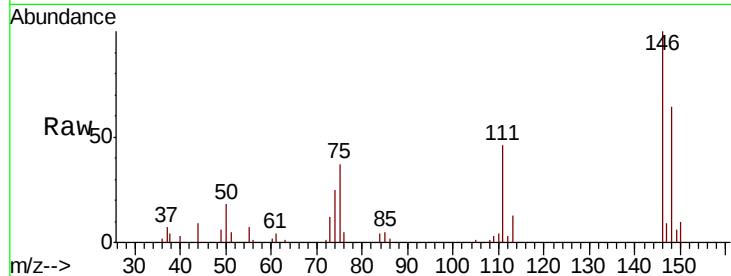




#82
 1,3-Dichlorobenzene
 Concen: 0.451 ug/l
 RT: 11.42 min Scan# 3212
 Delta R.T. 0.00 min
 Lab File: VU030566.D
 Acq: 30 Mar 2019 09:54

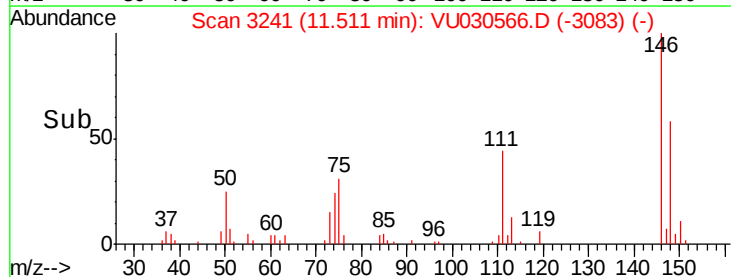
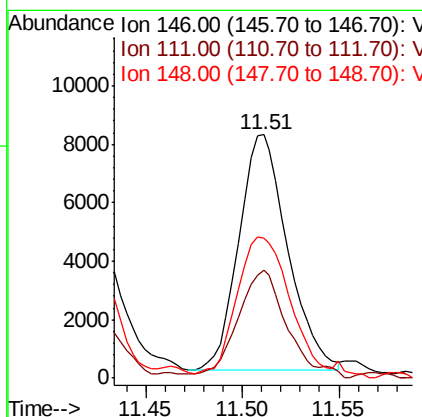
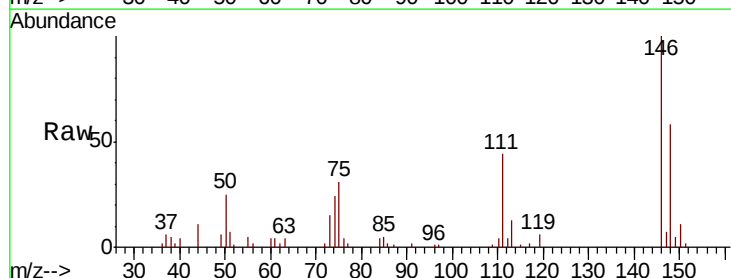
Instrument :
 MSVOA_U
 ClientSampleId :

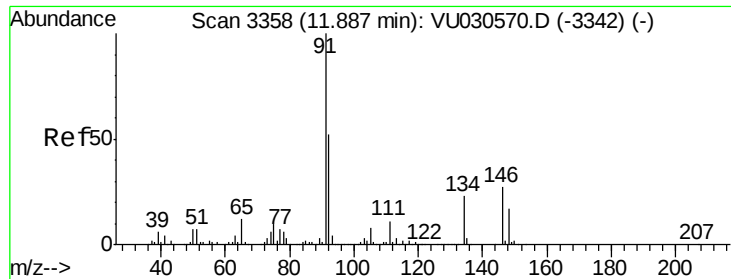
Tot Ion:146 Resp: 15513
 Ion Ratio Lower Upper
 146 100
 111 43.7 34.0 51.0
 148 62.2 51.0 76.6



#83
 1,4-Dichlorobenzene
 Concen: 0.409 ug/l
 RT: 11.51 min Scan# 3241
 Delta R.T. 0.01 min
 Lab File: VU030566.D
 Acq: 30 Mar 2019 09:54

Tgt Ion:146 Resp: 14166
 Ion Ratio Lower Upper
 146 100
 111 46.3 32.8 49.2
 148 67.9 50.5 75.7

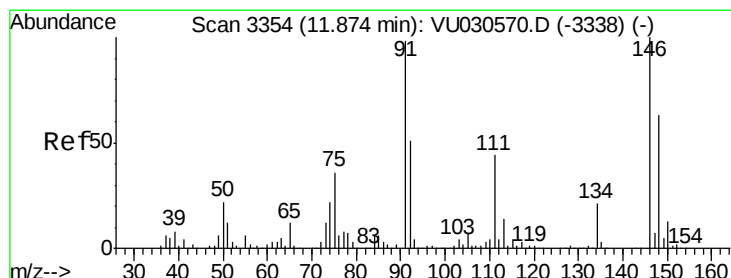
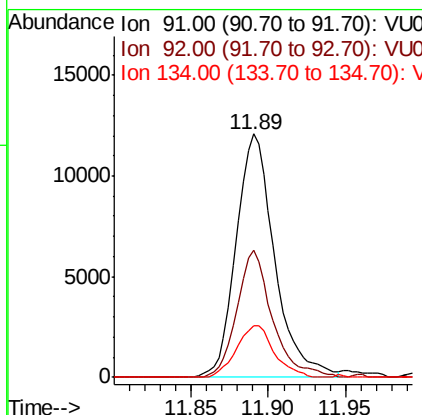
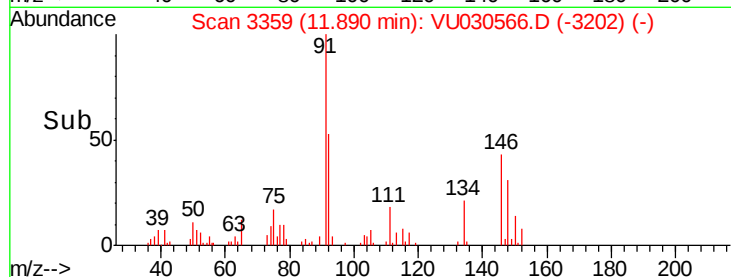
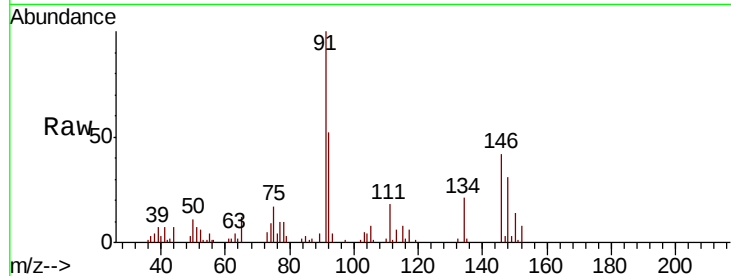




#84
n-Butylbenzene
Concen: 0.364 ug/l
RT: 11.89 min Scan# 3359
Delta R.T. 0.00 min
Lab File: VU030566.D
Acq: 30 Mar 2019 09:54

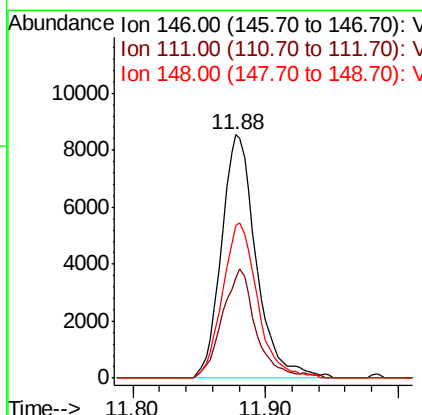
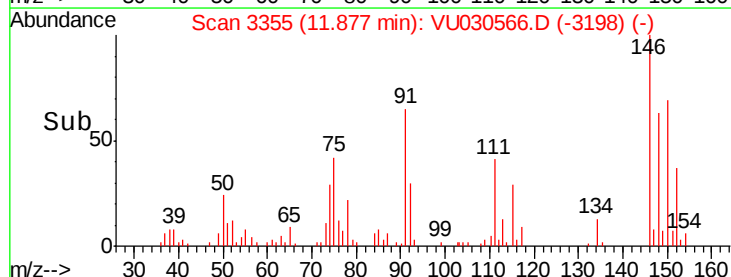
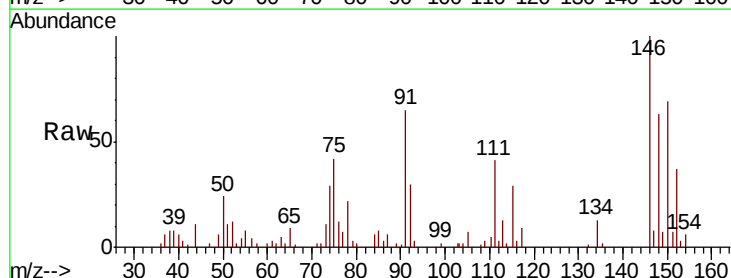
Instrument :
MSVOA_U
ClientSampleId :

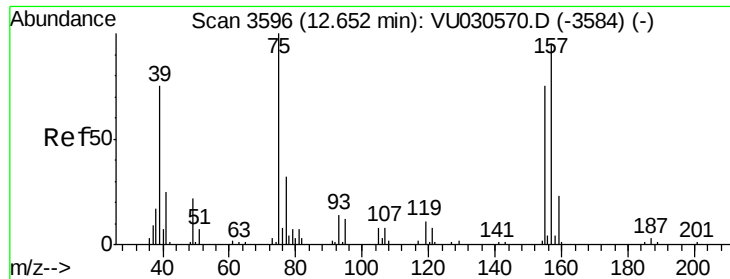
Tot Ion: 91 Resp: 20911
Ion Ratio Lower Upper
91 100
92 47.9 41.7 62.5
134 20.7 18.3 27.5



#85
1,2-Dichlorobenzene
Concen: 0.484 ug/l
RT: 11.88 min Scan# 3355
Delta R.T. 0.00 min
Lab File: VU030566.D
Acq: 30 Mar 2019 09:54

Tgt Ion: 146 Resp: 15532
Ion Ratio Lower Upper
146 100
111 43.8 21.9 65.5
148 64.2 31.5 94.5





#86

1,2-Dibromo-3-Chloropropane

Concen: 0.510 ug/l

RT: 12.66 min Scan# 3599

Delta R.T. 0.01 min

Lab File: VU030566.D

Acq: 30 Mar 2019 09:54

Instrument :

MSVOA_U

ClientSampled :

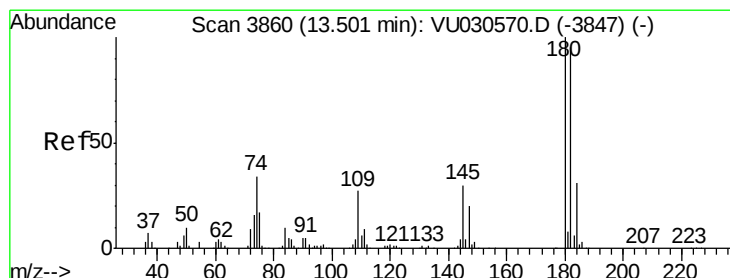
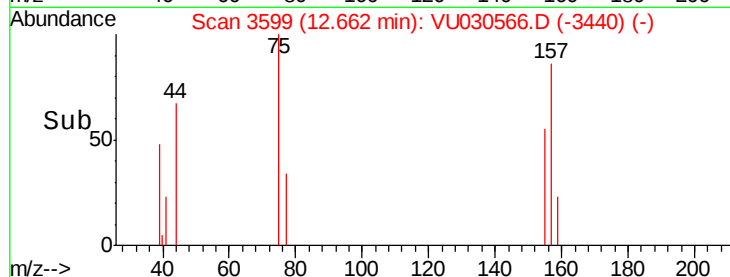
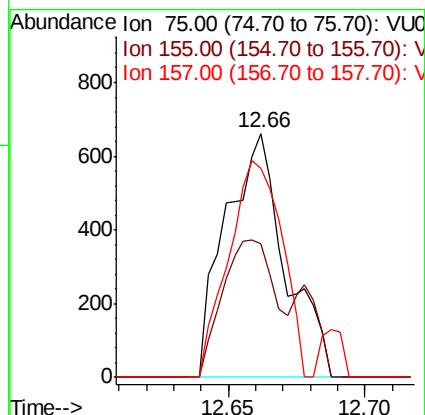
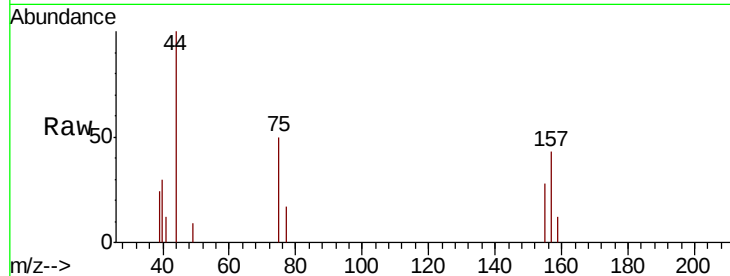
Tot Ion: 75 Resp: 1003

Ion Ratio Lower Upper

75 100

155 50.4 59.7 89.5#

157 79.7 73.7 110.5



#87

1,2,4-Trichlorobenzene

Concen: 0.290 ug/l

RT: 13.50 min Scan# 3861

Delta R.T. 0.00 min

Lab File: VU030566.D

Acq: 30 Mar 2019 09:54

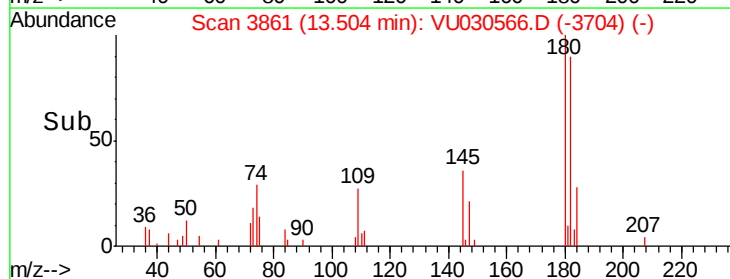
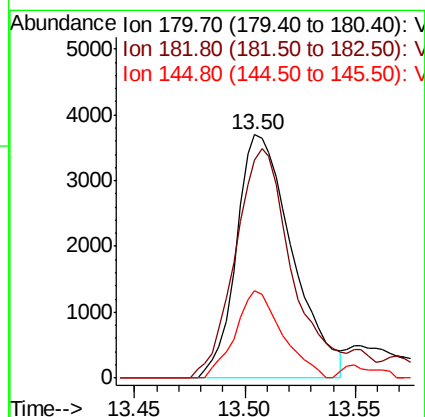
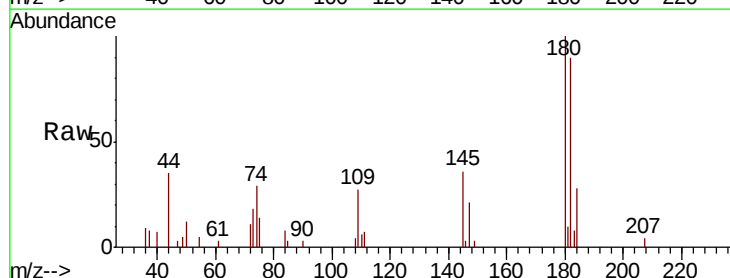
Tgt Ion: 180 Resp: 6515

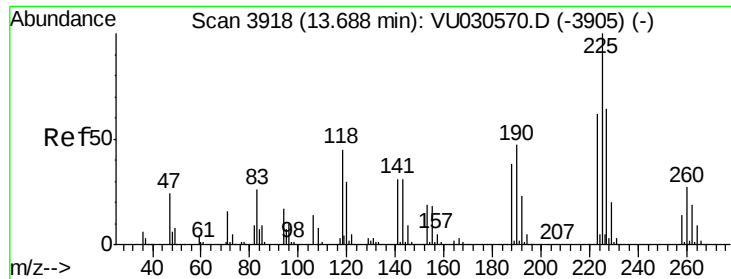
Ion Ratio Lower Upper

180 100

182 95.9 76.0 114.0

145 30.1 24.3 36.5





#88

Hexachlorobutadiene

Concen: 0.442 ug/l

RT: 13.69 min Scan# 3919

Delta R.T. 0.00 min

Lab File: VU030566.D

Acq: 30 Mar 2019 09:54

Instrument :

MSVOA_U

ClientSampleId :

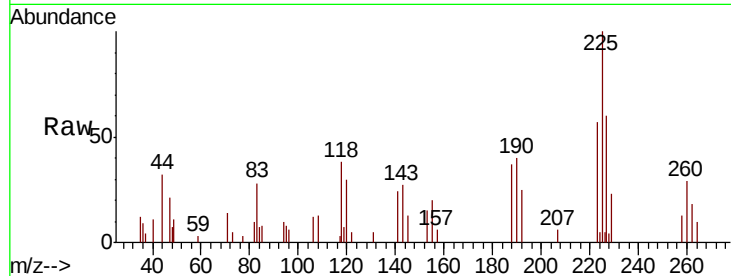
Tot Ion:225 Resp: 5498

Ion Ratio Lower Upper

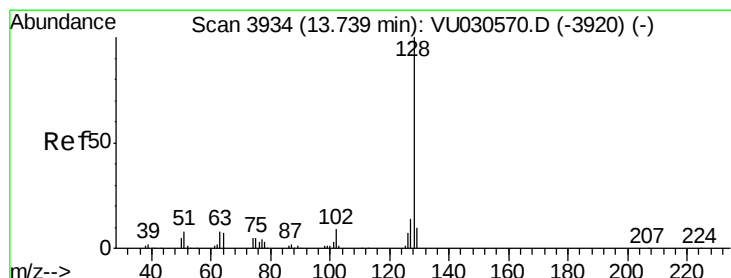
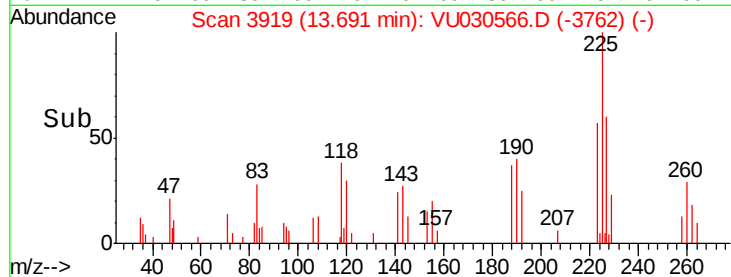
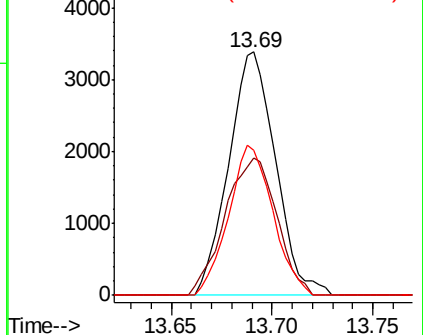
225 100

223 62.4 50.7 76.1

227 58.3 50.8 76.2



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



#89

Naphthalene

Concen: 0.230 ug/l

RT: 13.75 min Scan# 3938

Delta R.T. 0.01 min

Lab File: VU030566.D

Acq: 30 Mar 2019 09:54

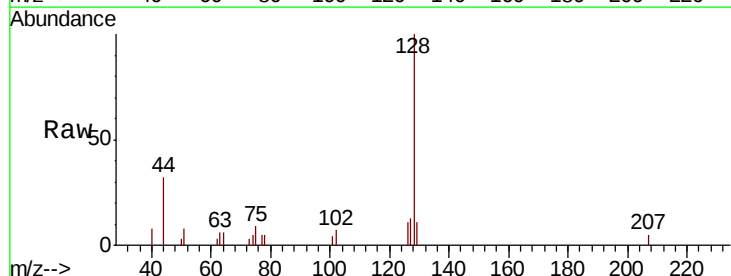
Tgt Ion:128 Resp: 8129

Ion Ratio Lower Upper

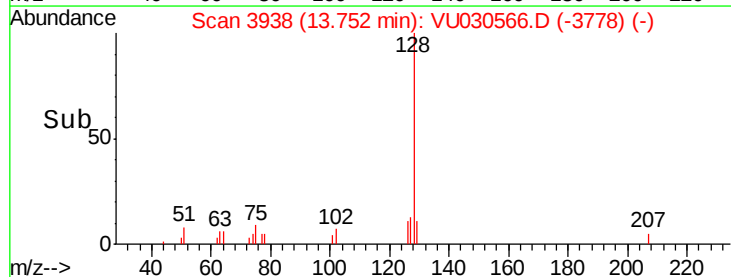
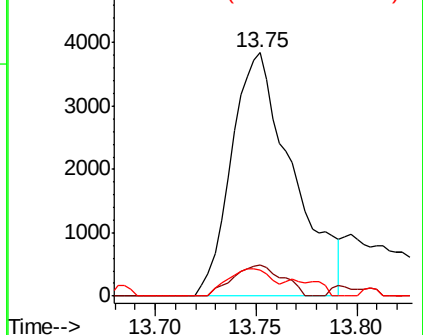
128 100

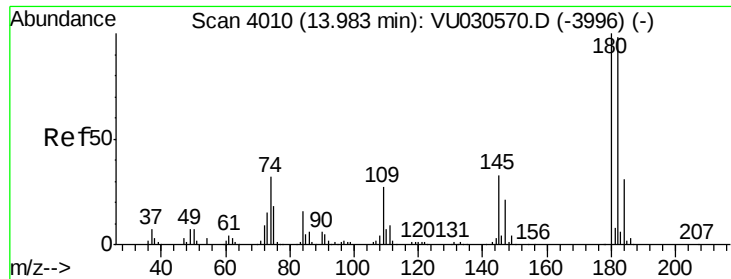
127 10.5 10.4 15.6

129 7.9 7.8 11.8



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

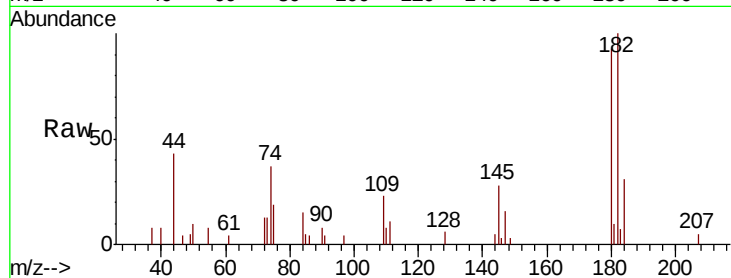




#90
 1,2,3-Trichlorobenzene
 Concen: 0.322 ug/l
 RT: 13.99 min Scan# 4012
 Delta R.T. 0.01 min
 Lab File: VU030566.D
 Acq: 30 Mar 2019 09:54

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.7	76.6	114.8
145	29.0	25.9	38.9



Abundance

Ion 179.70 (179.40 to 180.40): V

Ion 181.70 (181.40 to 182.40): V

Ion 144.80 (144.50 to 145.50): V

