

Data Path : Z:\HPCHEM1\MSVOA_U\DATA\VU011019\
 Data File : VU029104.D
 Acq On : 10 Jan 2019 09:19
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB

Quant Time: Jan 11 02:43:50 2019
 Quant Method : Z:\HPCHEM1\MSVOA_U\METHOD\82U010319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 04 02:22:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	116710	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	181880	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	173878	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	90002	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	72177	50.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.06%	
35) Dibromofluoromethane	4.88	113	61662	52.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.60%	
50) Toluene-d8	7.56	98	239362	51.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.86%	
62) 4-Bromofluorobenzene	10.30	95	84373	50.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	55139	47.639	ug/l	100
3) Chloromethane	1.33	50	85772	46.379	ug/l	100
4) Vinyl Chloride	1.40	62	82288	48.244	ug/l	98
5) Bromomethane	1.61	94	41534	47.193	ug/l	99
6) Chloroethane	1.69	64	49177	48.404	ug/l	98
7) Trichlorofluoromethane	1.88	101	88227	47.470	ug/l	99
8) Diethyl Ether	2.10	74	42204	47.265	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.28	101	60921	48.988	ug/l	98
10) Methyl Iodide	2.40	142	59971	51.288	ug/l	99
11) Tert butyl alcohol	2.83	59	88294	240.761	ug/l	99
12) 1,1-Dichloroethene	2.28	96	58175	48.061	ug/l	95
13) Acrolein	2.19	56	57329	208.186	ug/l	100
14) Allyl chloride	2.59	41	99171	44.652	ug/l	92
15) Acrylonitrile	2.93	53	231602	257.418	ug/l	99
16) Acetone	2.32	43	245645	270.271	ug/l	98
17) Carbon Disulfide	2.47	76	183488	45.730	ug/l	100
18) Methyl Acetate	2.61	43	111711	52.861	ug/l	100
19) Methyl tert-butyl Ether	3.00	73	206222	48.459	ug/l	97
20) Methylene Chloride	2.70	84	72865	47.219	ug/l	97
21) trans-1,2-Dichloroethene	2.98	96	64739	46.034	ug/l	96
22) Diisopropyl ether	3.57	45	221251	50.405	ug/l	99
23) Vinyl Acetate	3.52	43	917634	255.722	ug/l	100
24) 1,1-Dichloroethane	3.44	63	126028	49.736	ug/l	99
25) 2-Butanone	4.26	43	330255	269.029	ug/l	99
26) 2,2-Dichloropropane	4.22	77	103789	50.691	ug/l	99
27) cis-1,2-Dichloroethene	4.22	96	74091	48.170	ug/l	97
28) Bromochloromethane	4.54	49	54623	50.343	ug/l	98
29) Tetrahydrofuran	4.63	42	192220	258.170	ug/l	98
30) Chloroform	4.67	83	121256	50.241	ug/l	97
31) Cyclohexane	4.99	56	115759	48.358	ug/l	97
32) 1,1,1-Trichloroethane	4.91	97	97381	48.831	ug/l	97
36) 1,1-Dichloropropene	5.13	75	91270	50.204	ug/l	98
37) Ethyl Acetate	4.38	43	108227	54.235	ug/l	99
38) Carbon Tetrachloride	5.13	117	80957	53.392	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	113660	50.855	ug/l	99
40) Benzene	5.39	78	289688	51.085	ug/l	99
41) Methacrylonitrile	4.54	41	58648	54.905	ug/l	99
42) 1,2-Dichloroethane	5.40	62	92128	54.066	ug/l	99
43) Isopropyl Acetate	5.54	43	164972	53.893	ug/l	100
44) Trichloroethene	6.18	130	69538	49.491	ug/l	97
45) 1,2-Dichloropropane	6.43	63	79932	53.376	ug/l	99
46) Dibromomethane	6.56	93	49793	52.013	ug/l	99
47) Bromodichloromethane	6.75	83	94958	53.875	ug/l	99
48) Methyl methacrylate	6.62	41	83842	56.249	ug/l	99
49) 1,4-Dioxane	6.61	88	40354	1142.416	ug/l	99
51) 4-Methyl-2-Pentanone	7.46	43	572340	274.732	ug/l	98
52) Toluene	7.63	92	175825	50.931	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	108709	51.343	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	118692	51.878	ug/l	99
55) 1,1,2-Trichloroethane	8.06	97	73273	52.981	ug/l	97
56) Ethyl methacrylate	8.02	69	110309	51.772	ug/l	96
57) 1,3-Dichloropropane	8.24	76	124353	52.548	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.13	63	255296	272.453	ug/l	98
59) 2-Hexanone	8.36	43	459284	280.858	ug/l	98
60) Dibromochloromethane	8.48	129	72692	53.054	ug/l	99
61) 1,2-Dibromoethane	8.58	107	77751	51.836	ug/l	99
64) Tetrachloroethene	8.22	164	62674	50.038	ug/l	97
65) Chlorobenzene	9.12	112	191742	49.196	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	65408	51.712	ug/l	99
67) Ethyl Benzene	9.25	91	329918	50.701	ug/l	100
68) m/p-Xylenes	9.37	106	260592	103.068	ug/l	99
69) o-Xylene	9.78	106	121776	49.987	ug/l	98
70) Styrene	9.79	104	209669	52.500	ug/l	99
71) Bromoform	9.95	173	59878	53.167	ug/l #	99
73) Isopropylbenzene	10.16	105	325185	48.814	ug/l	100
74) N-amyl acetate	10.01	43	144943	50.492	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	130355	48.824	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	151964	68.912	ug/l	81
77) Bromobenzene	10.45	156	83397	48.039	ug/l	98
78) n-propylbenzene	10.58	91	400727	51.043	ug/l	100
79) 2-Chlorotoluene	10.66	91	234093	49.155	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	278274	50.022	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.49	75	151964	177.727	ug/l #	100
82) 4-Chlorotoluene	10.77	91	269263	49.308	ug/l	99
83) tert-Butylbenzene	11.10	119	271885	49.586	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	284713	51.261	ug/l	99
85) sec-Butylbenzene	11.32	105	339772	51.238	ug/l	100
86) p-Isopropyltoluene	11.48	119	296209	52.420	ug/l	99
87) 1,3-Dichlorobenzene	11.41	146	153491	48.203	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	154819	47.102	ug/l	99
89) n-Butylbenzene	11.89	91	277778	55.078	ug/l	99
90) Hexachloroethane	12.14	117	48493	51.013	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	151444	47.218	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.66	75	27046	52.668	ug/l	98

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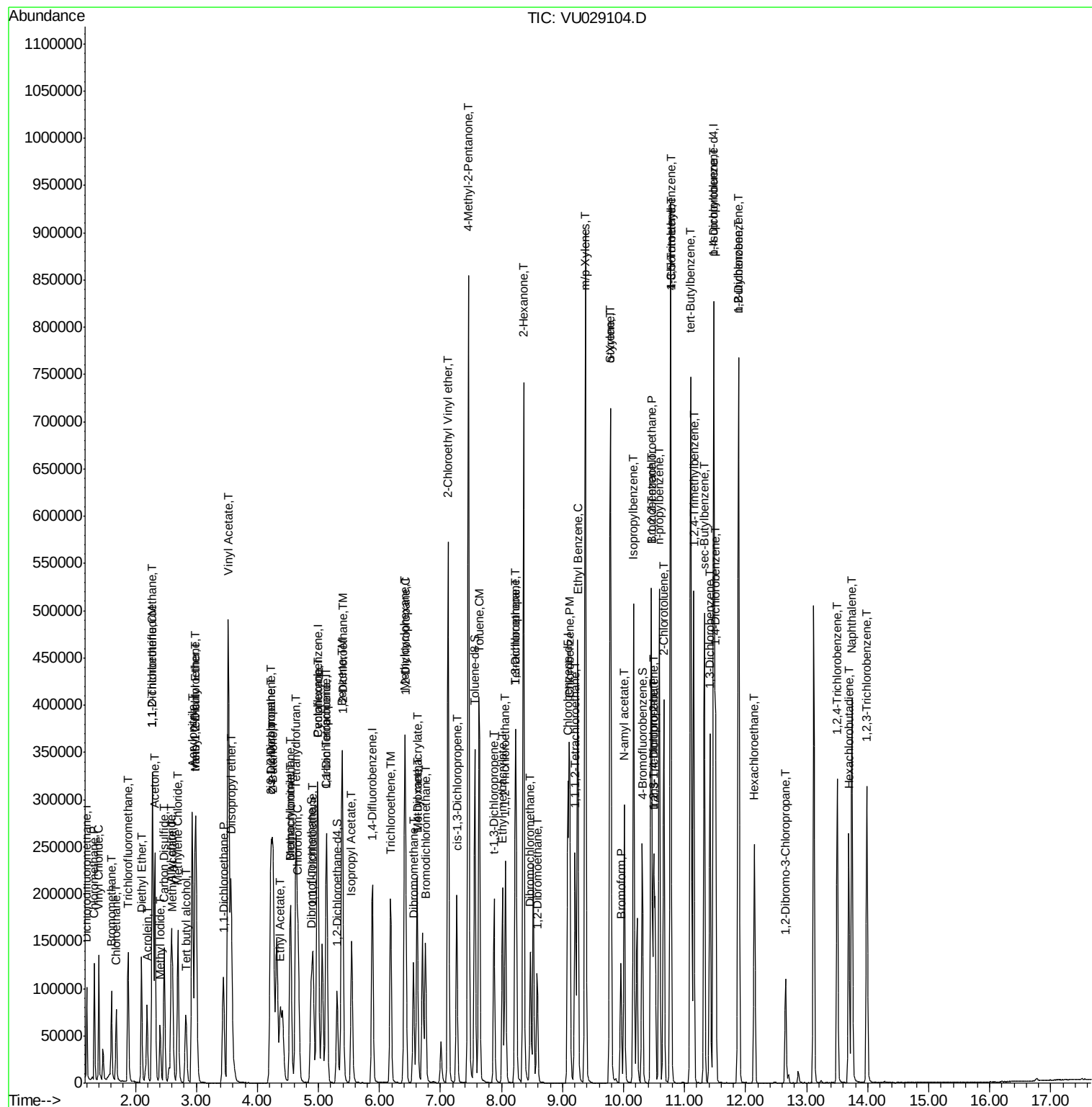
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	103014	50.315	ug/l	99
94) Hexachlorobutadiene	13.69	225	51267	54.745	ug/l	99
95) Naphthalene	13.74	128	336457	48.308	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	104860	49.755	ug/l	99

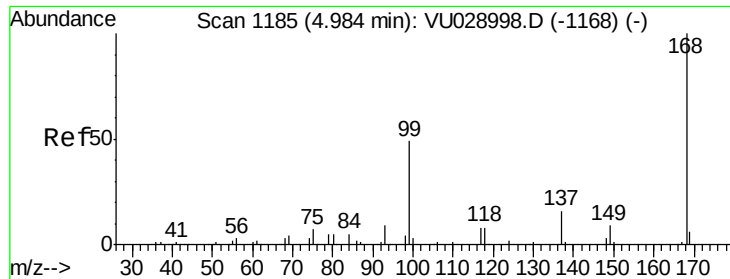
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. 0.00 min

Lab File: VU029104.D

Acq: 10 Jan 2019 09:19

Instrument :

MSVOA_U

ClientSampleId :

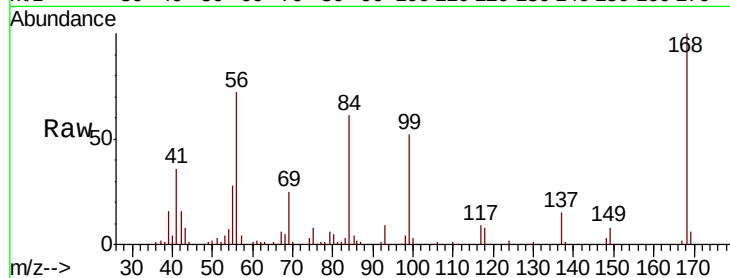
BFB

Tgt Ion:168 Resp: 116710

Ion Ratio Lower Upper

168 100

99 51.7 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): VU028998.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU029104.D (-1091) (-)

4.98

60000

50000

40000

30000

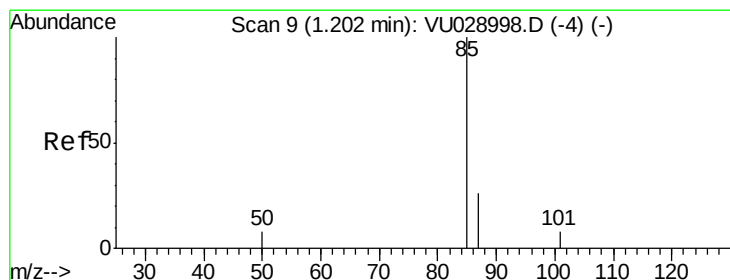
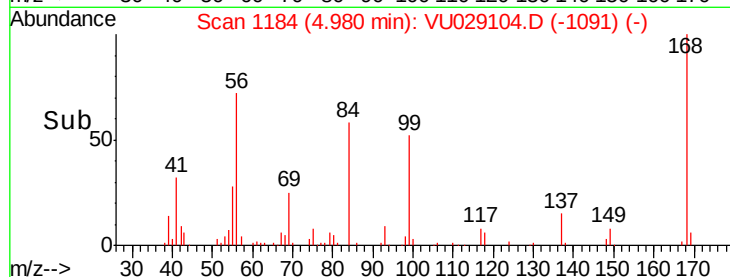
20000

10000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 47.639 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU029104.D

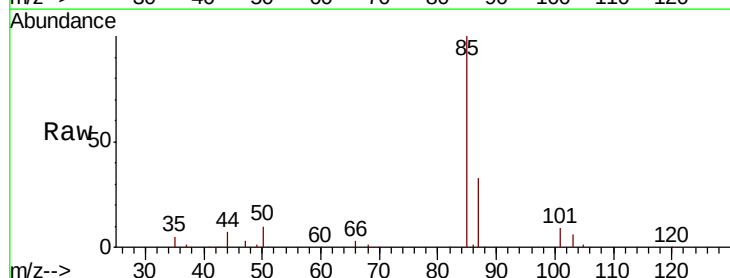
Acq: 10 Jan 2019 09:19

Tgt Ion: 85 Resp: 55139

Ion Ratio Lower Upper

85 100

87 32.7 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VU028998.D (-4) (-)

Ion 86.90 (86.60 to 87.60): VU029104.D (-1) (-)

1.21

60000

50000

40000

30000

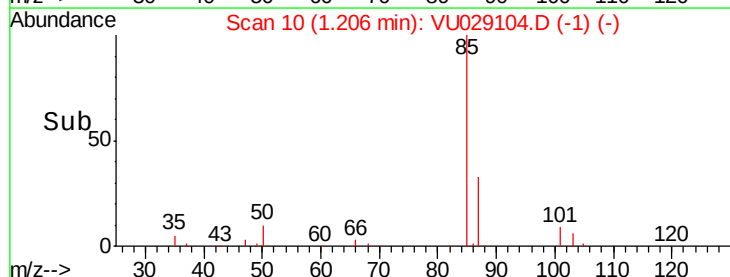
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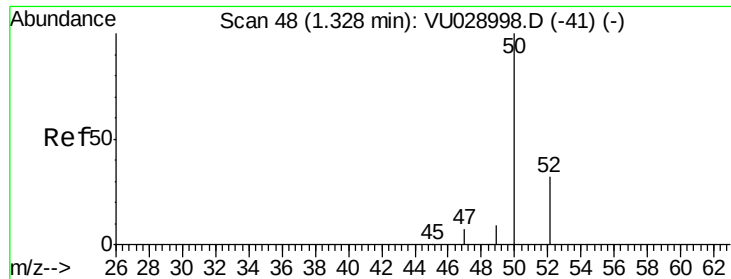
10000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 46.379 ug/l

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU029104.D

Acq: 10 Jan 2019 09:19

Instrument :

MSVOA_U

ClientSampled :

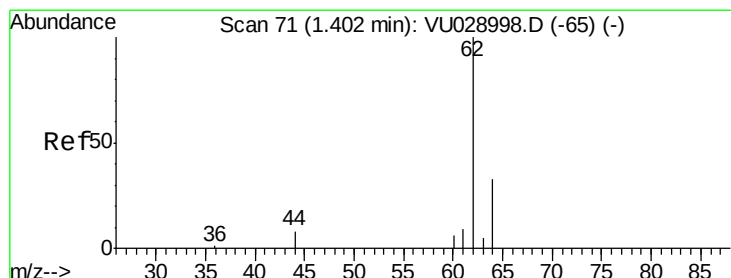
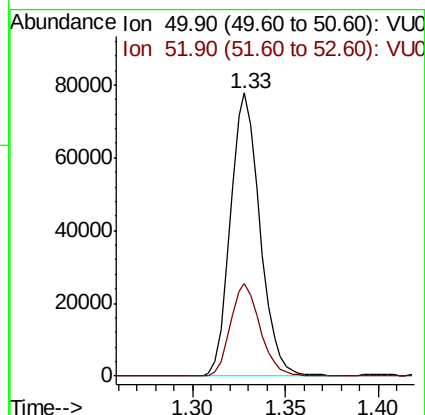
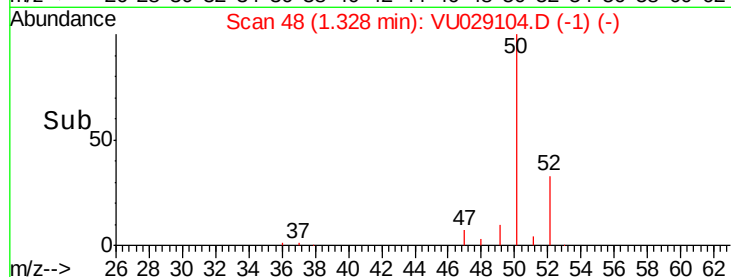
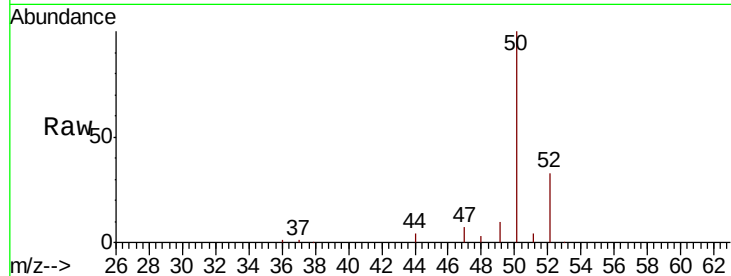
BFB

Tgt Ion: 50 Resp: 85772

Ion Ratio Lower Upper

50 100

52 32.6 26.1 39.1



#4

Vinyl Chloride

Concen: 48.244 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU029104.D

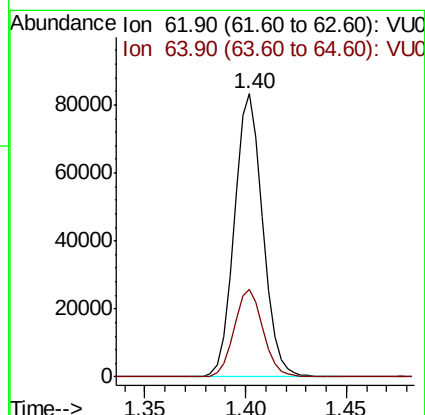
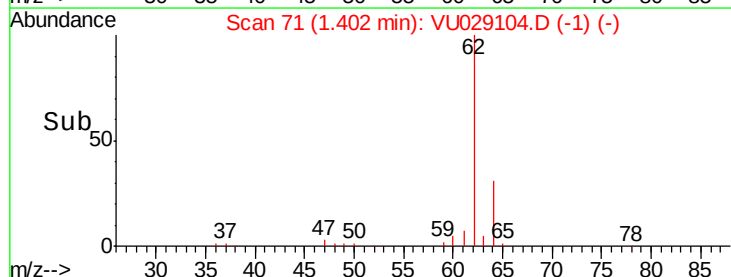
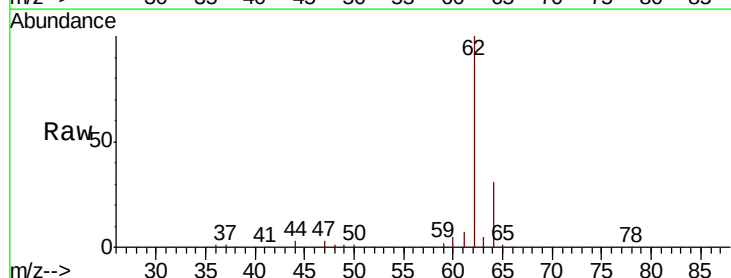
Acq: 10 Jan 2019 09:19

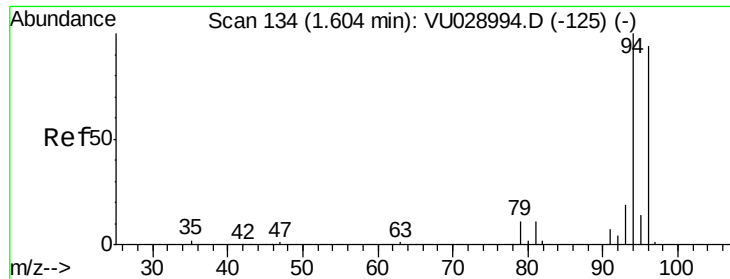
Tgt Ion: 62 Resp: 82288

Ion Ratio Lower Upper

62 100

64 31.1 25.9 38.9

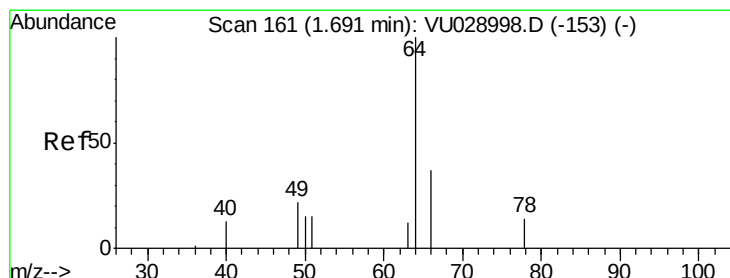
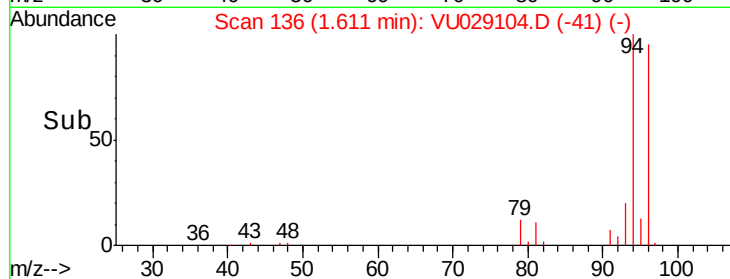
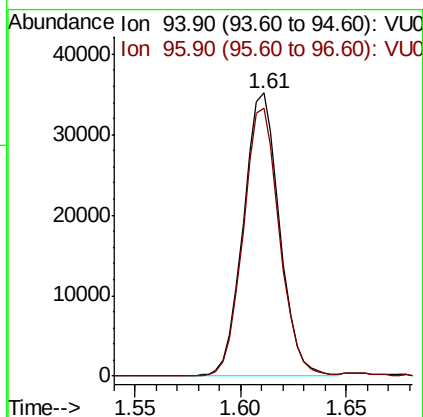
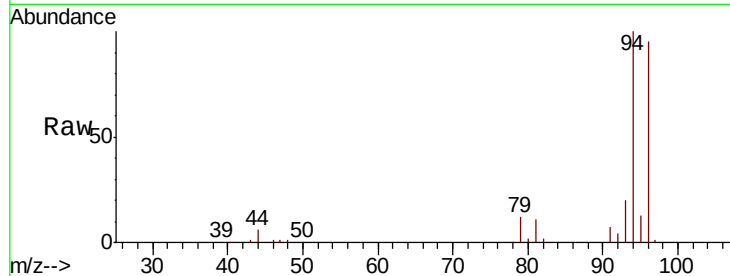




#5
Bromomethane
Concen: 47.193 ug/l
RT: 1.61 min Scan# 136
Delta R.T. 0.01 min
Lab File: VU029104.D
Acq: 10 Jan 2019 09:19

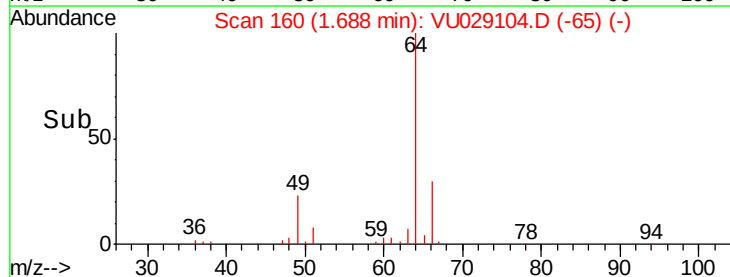
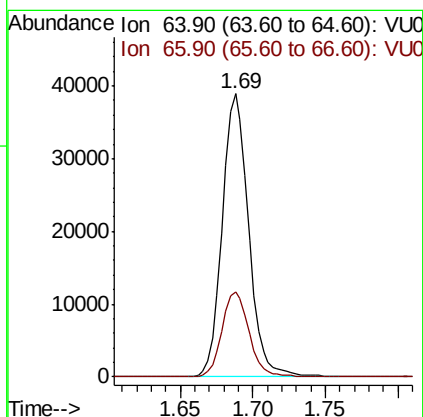
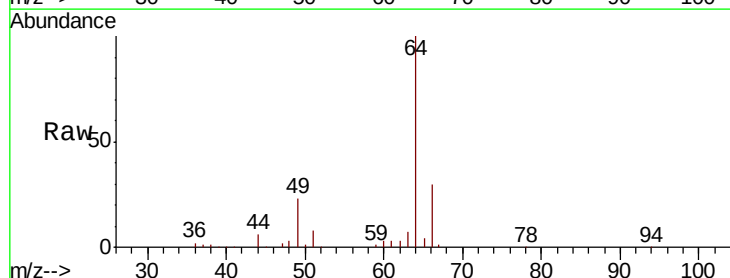
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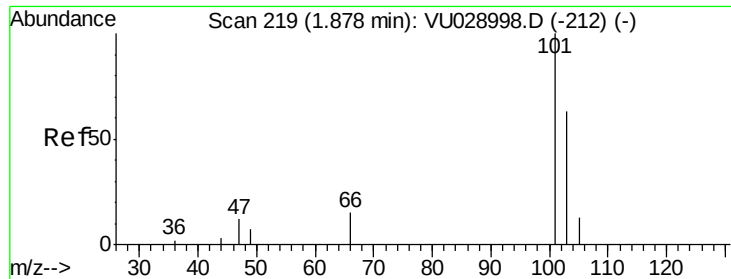
Tgt Ion: 94 Resp: 41534
Ion Ratio Lower Upper
94 100
96 94.9 75.5 113.3



#6
Chloroethane
Concen: 48.404 ug/l
RT: 1.69 min Scan# 160
Delta R.T. 0.01 min
Lab File: VU029104.D
Acq: 10 Jan 2019 09:19

Tgt Ion: 64 Resp: 49177
Ion Ratio Lower Upper
64 100
66 30.2 25.2 37.8



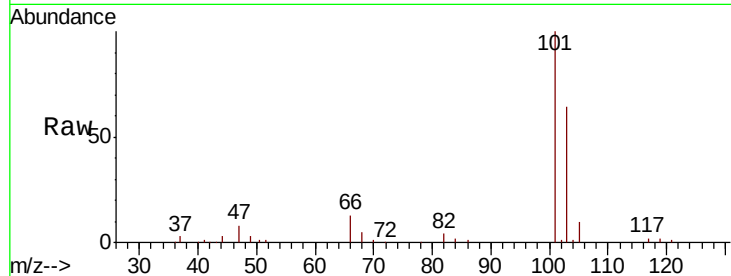


#7

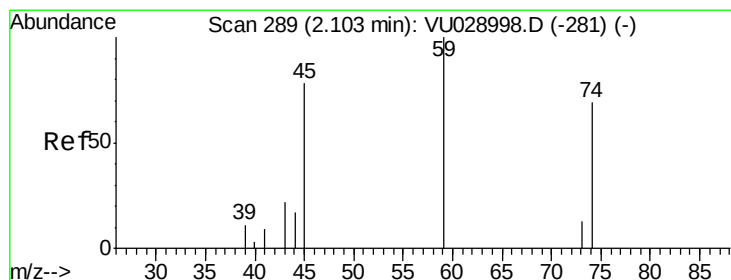
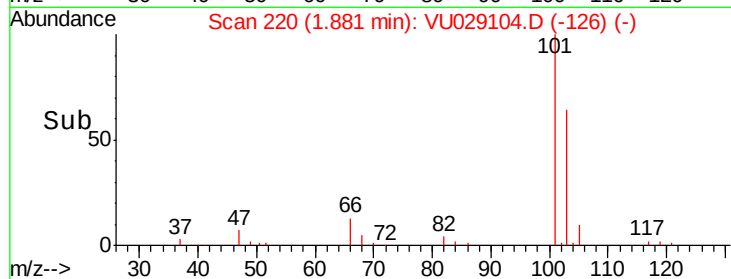
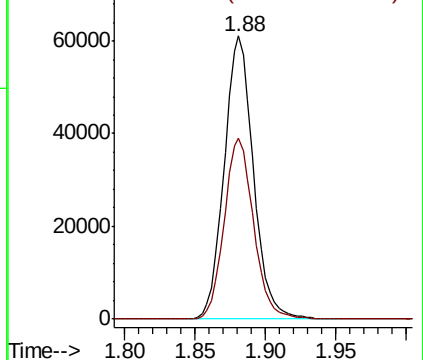
Trichlorofluoromethane
Concen: 47.470 ug/l
RT: 1.88 min Scan# 220
Delta R.T. 0.00 min
Lab File: VU029104.D
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Tgt Ion:101 Resp: 88227
Ion Ratio Lower Upper
101 100
103 63.8 51.5 77.3



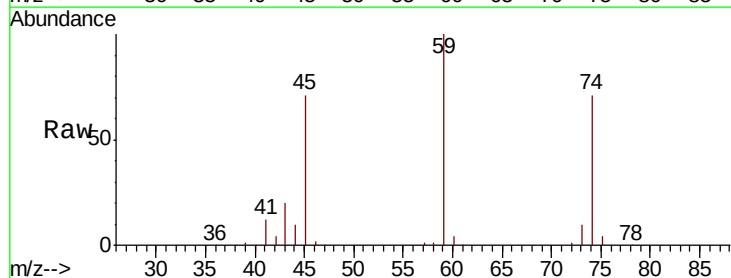
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



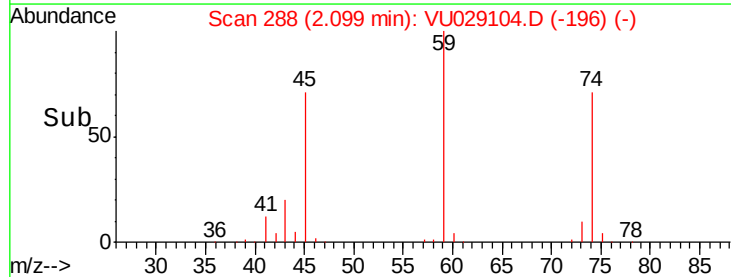
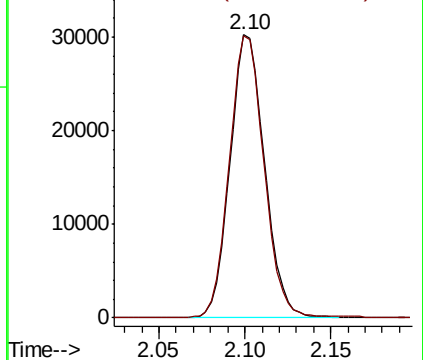
#8

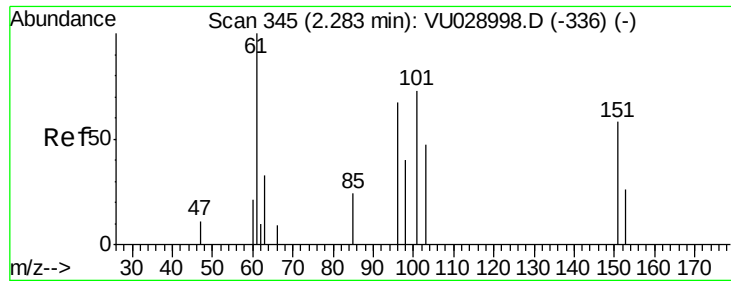
Diethyl Ether
Concen: 47.265 ug/l
RT: 2.10 min Scan# 288
Delta R.T. -0.00 min
Lab File: VU029104.D
Acq: 10 Jan 2019 09:19

Tgt Ion: 74 Resp: 42204
Ion Ratio Lower Upper
74 100
45 100.0 46.9 140.6



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.988 ug/l

RT: 2.28 min Scan# 345

Delta R.T. 0.00 min

Lab File: VU029104.D

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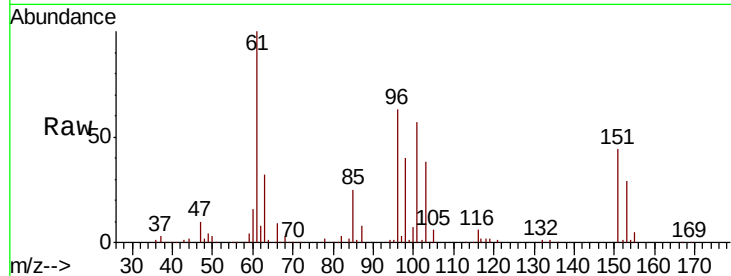
Tgt Ion:101 Resp: 60921

Ion Ratio Lower Upper

101 100

85 42.5 35.1 52.7

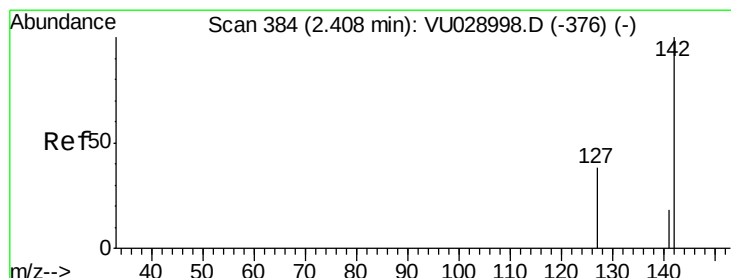
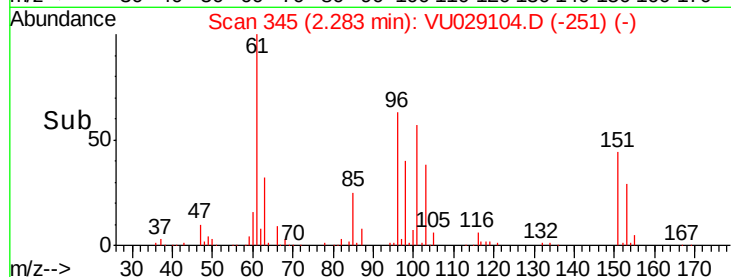
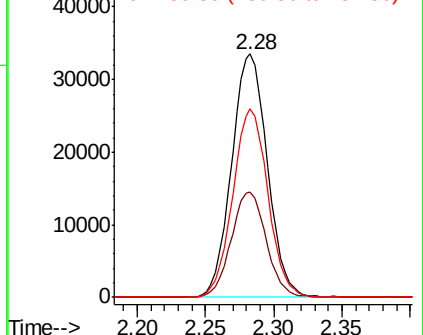
151 76.3 60.2 90.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 51.288 ug/l

RT: 2.40 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU029104.D

Acq: 10 Jan 2019 09:19

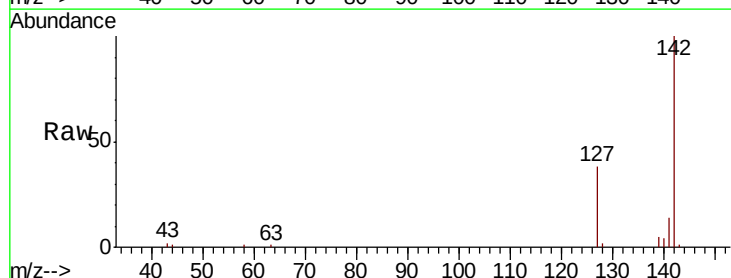
Tgt Ion:142 Resp: 59971

Ion Ratio Lower Upper

142 100

127 37.8 29.8 44.6

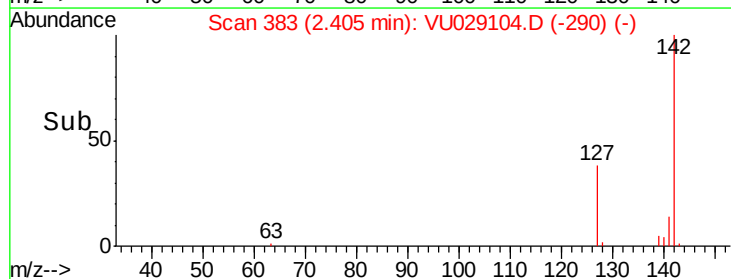
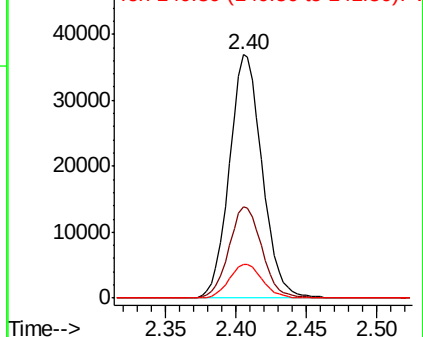
141 14.0 11.5 17.3

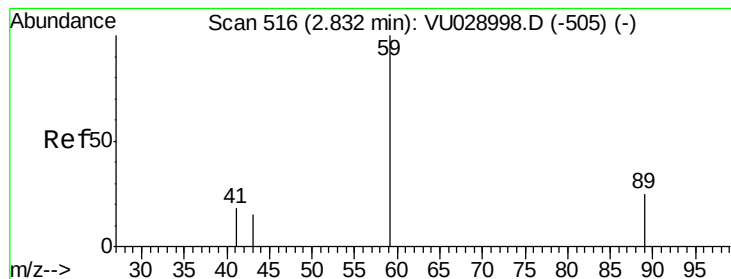


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



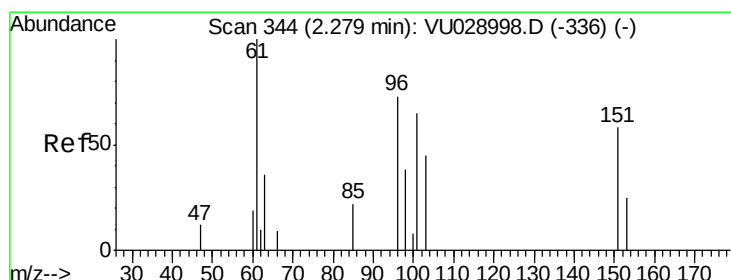
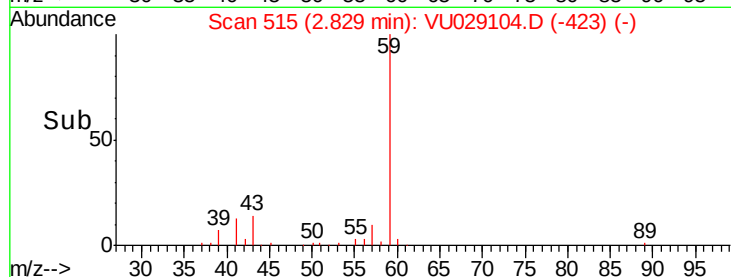
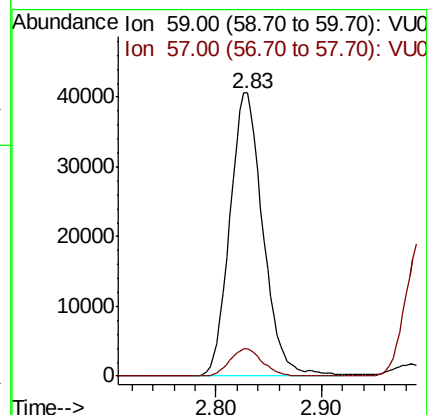
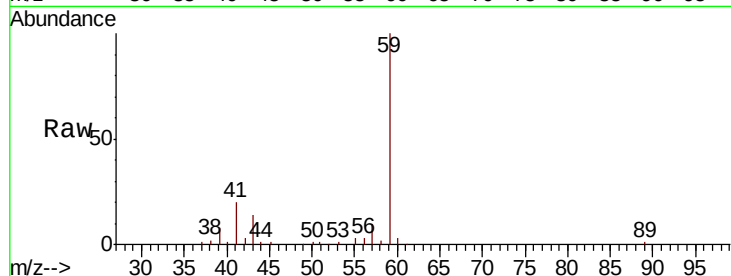


#11

Tert butyl alcohol
 Concen: 240.761 ug/l
 RT: 2.83 min Scan# 515
 Delta R.T. -0.00 min
 Lab File: VU029104.D
 Acq: 10 Jan 2019 09:19

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB

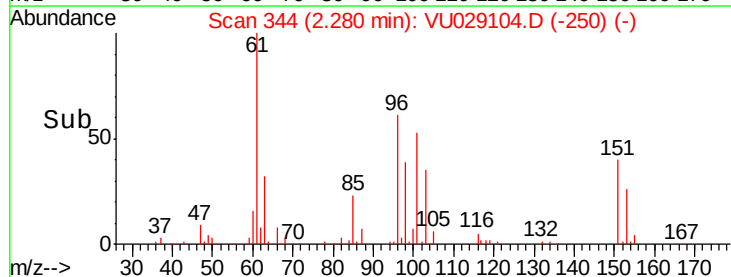
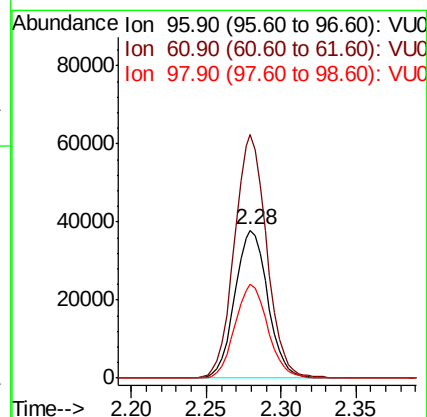
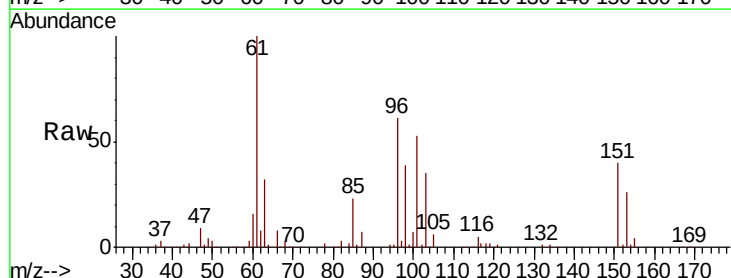
Tgt Ion: 59 Resp: 88294
 Ion Ratio Lower Upper
 59 100
 57 9.4 7.9 11.9

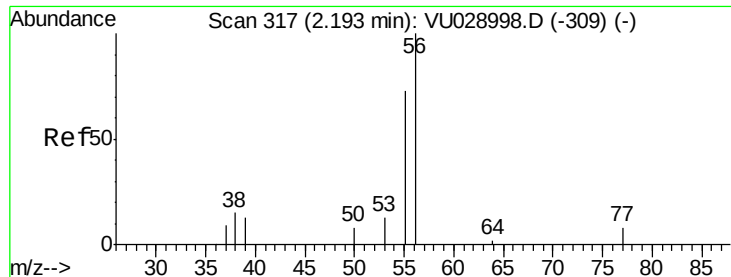


#12

1,1-Dichloroethene
 Concen: 48.061 ug/l
 RT: 2.28 min Scan# 344
 Delta R.T. 0.00 min
 Lab File: VU029104.D
 Acq: 10 Jan 2019 09:19

Tgt Ion: 96 Resp: 58175
 Ion Ratio Lower Upper
 96 100
 61 164.6 125.4 188.0
 98 63.6 49.7 74.5





#13

Acrolein

Concen: 208.186 ug/l

RT: 2.19 min Scan# 317

Delta R.T. 0.00 min

Lab File: VU029104.D

Acq: 10 Jan 2019 09:19

Instrument :

MSVOA_U

ClientSampleId :

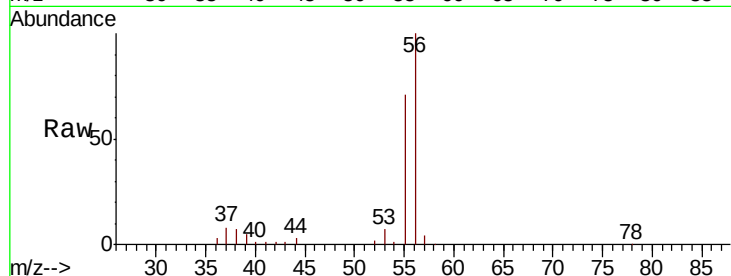
BFB

Tgt Ion: 56 Resp: 57329

Ion Ratio Lower Upper

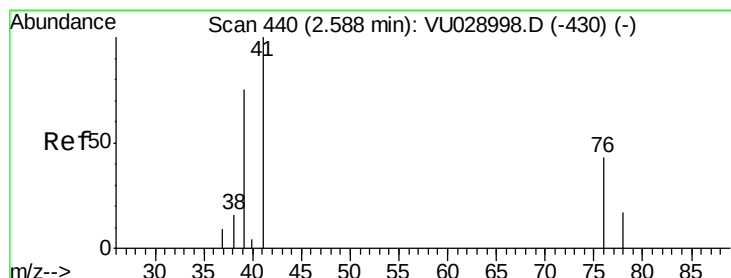
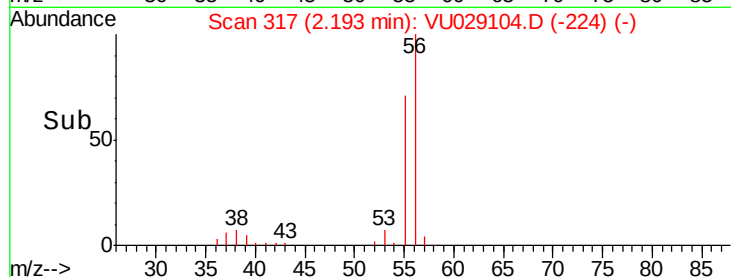
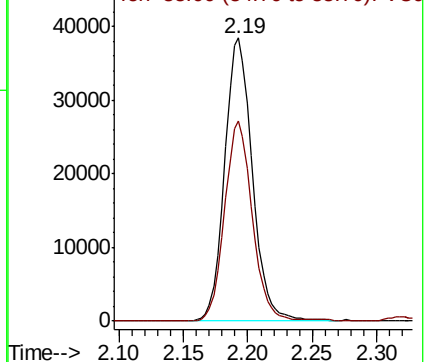
56 100

55 70.4 56.5 84.7



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#14

Allyl chloride

Concen: 44.652 ug/l

RT: 2.59 min Scan# 440

Delta R.T. 0.00 min

Lab File: VU029104.D

Acq: 10 Jan 2019 09:19

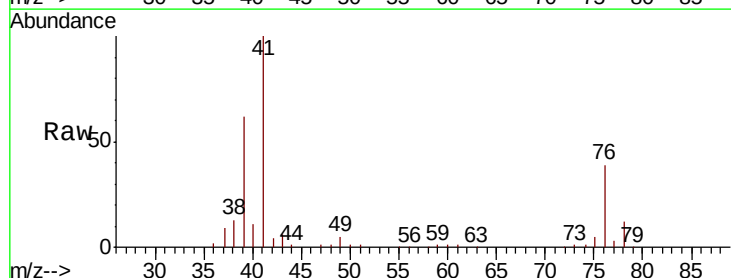
Tgt Ion: 41 Resp: 99171

Ion Ratio Lower Upper

41 100

39 63.3 45.0 67.6

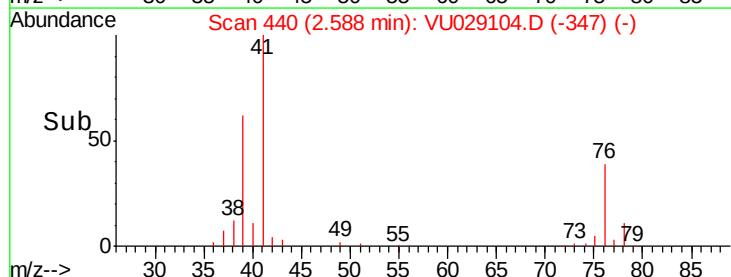
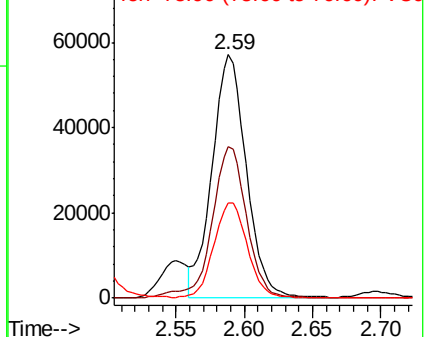
76 38.5 28.1 42.1

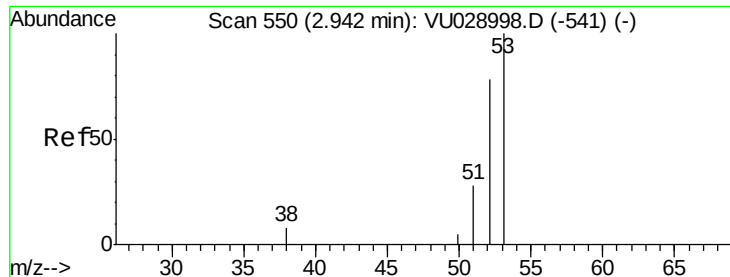


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0





#15

Acrylonitrile

Concen: 257.418 ug/l

RT: 2.93 min Scan# 547

Delta R.T. 0.00 min

Lab File: VU029104.D

Acq: 10 Jan 2019 09:19

Instrument :

MSVOA_U

ClientSampled :

BFB

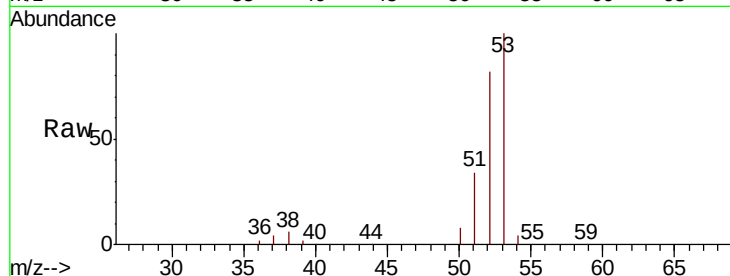
Tgt Ion: 53 Resp: 231602

Ion Ratio Lower Upper

53 100

52 81.3 64.8 97.2

51 32.5 27.3 40.9



Abundance Ion 53.00 (52.70 to 53.70): VU028998.D (-541) (-)

Ion 52.00 (51.70 to 52.70): VU028998.D (-541) (-)

Ion 51.00 (50.70 to 51.70): VU028998.D (-541) (-)

2.93

150000

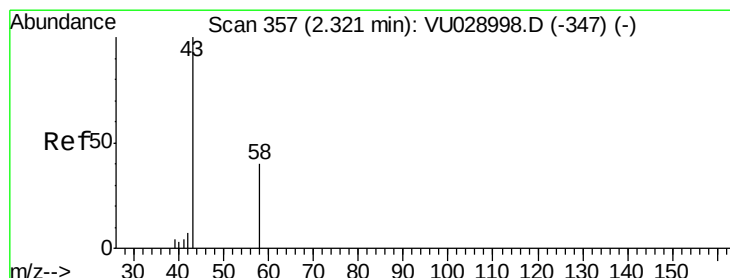
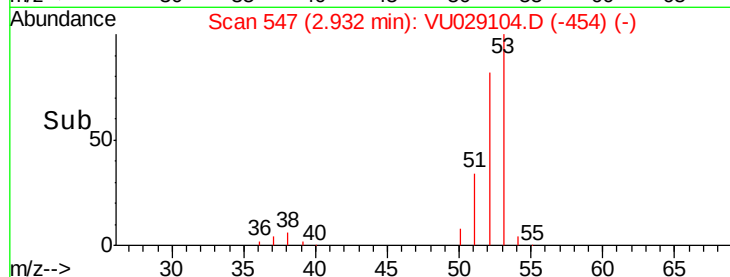
100000

50000

0

Time-->

2.80 2.90 3.00 3.10



#16

Acetone

Concen: 270.271 ug/l

RT: 2.32 min Scan# 356

Delta R.T. -0.00 min

Lab File: VU029104.D

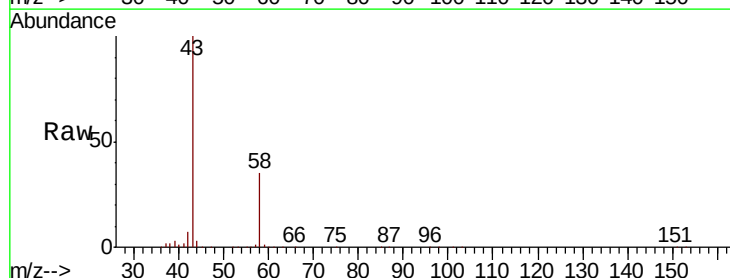
Acq: 10 Jan 2019 09:19

Tgt Ion: 43 Resp: 245645

Ion Ratio Lower Upper

43 100

58 34.7 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VU028998.D (-347) (-)

Ion 58.00 (57.70 to 58.70): VU028998.D (-347) (-)

2.32

150000

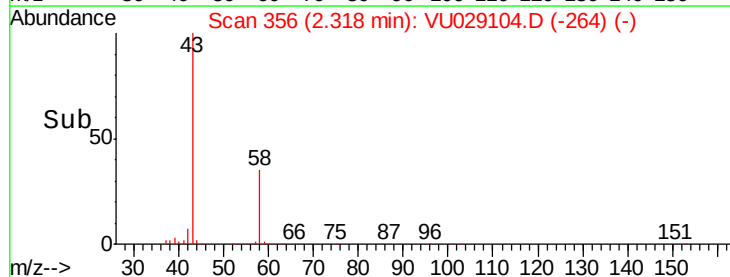
100000

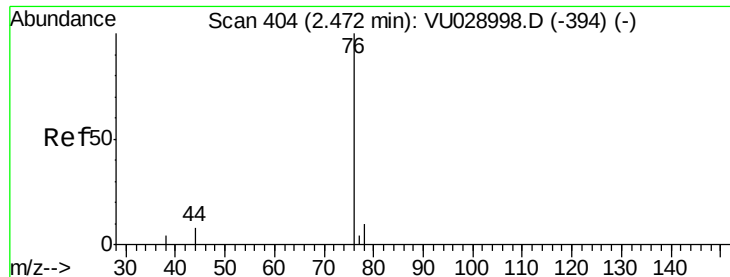
50000

0

Time-->

2.20 2.30 2.40





#17

Carbon Disulfide

Concen: 45.730 ug/l

RT: 2.47 min Scan# 404

Delta R.T. 0.00 min

Lab File: VU029104.D

Acq: 10 Jan 2019 09:19

Instrument :

MSVOA_U

ClientSampleId :

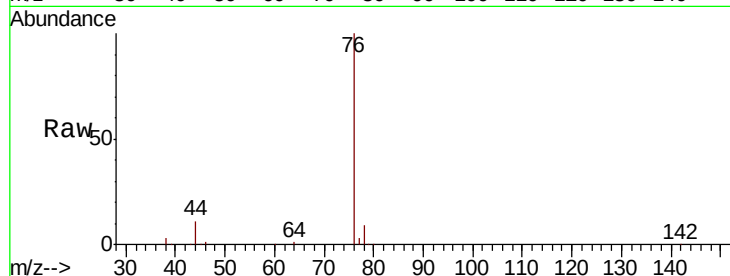
BFB

Tgt Ion: 76 Resp: 183488

Ion Ratio Lower Upper

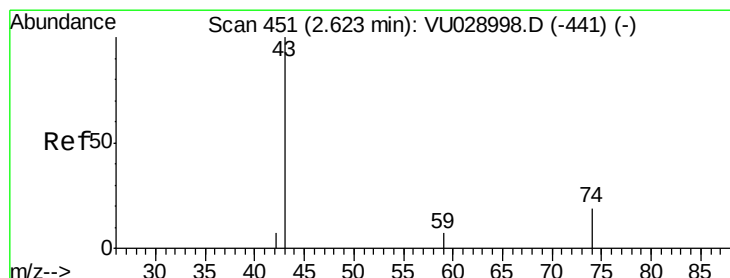
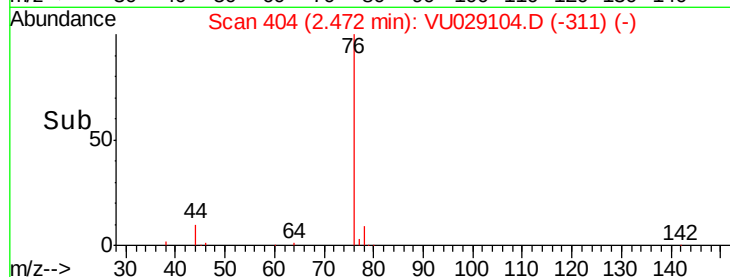
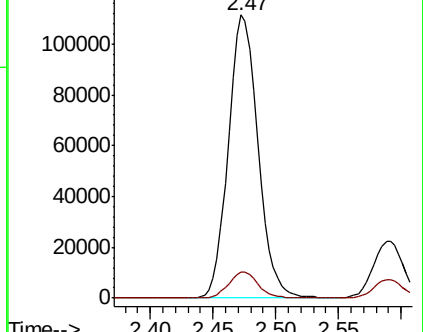
76 100

78 9.1 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VU029104.D (-311) (-)

Ion 77.90 (77.60 to 78.60): VU029104.D (-311) (-)



#18

Methyl Acetate

Concen: 52.861 ug/l

RT: 2.61 min Scan# 448

Delta R.T. 0.00 min

Lab File: VU029104.D

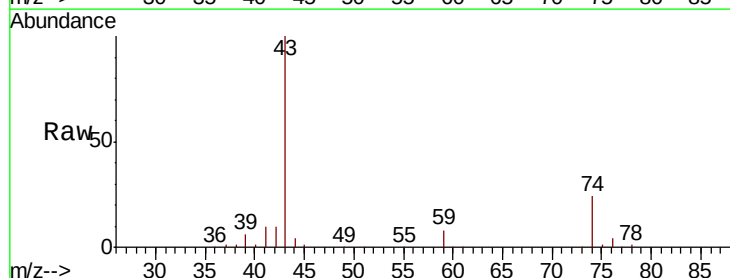
Acq: 10 Jan 2019 09:19

Tgt Ion: 43 Resp: 111711

Ion Ratio Lower Upper

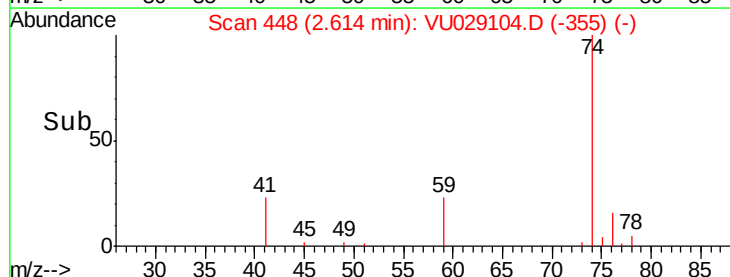
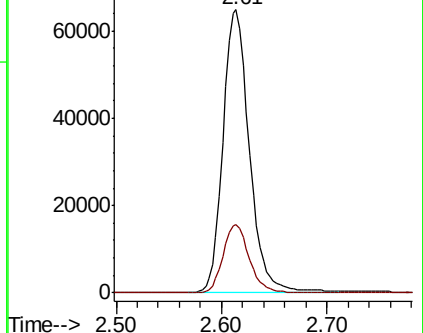
43 100

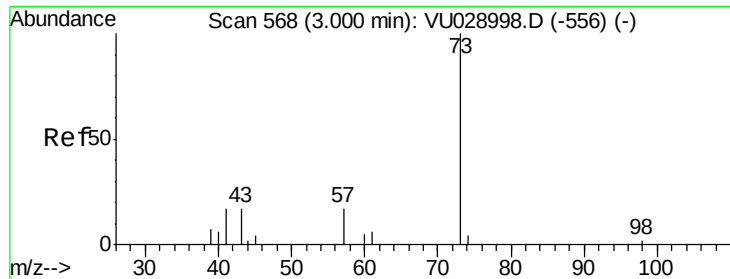
74 24.4 19.5 29.3



Abundance Ion 43.00 (42.70 to 43.70): VU029104.D (-355) (-)

Ion 74.00 (73.70 to 74.70): VU029104.D (-355) (-)

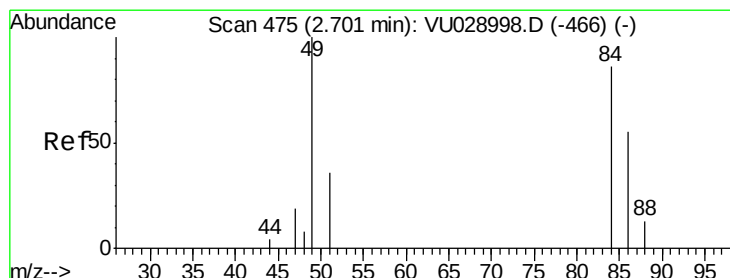
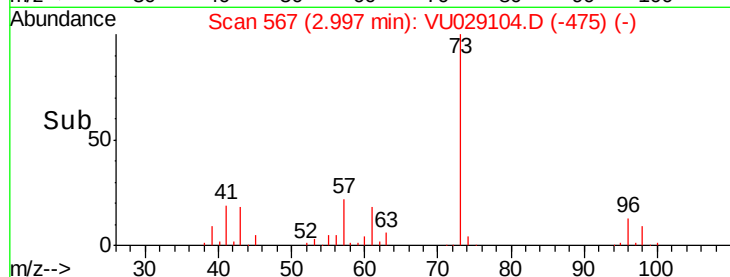
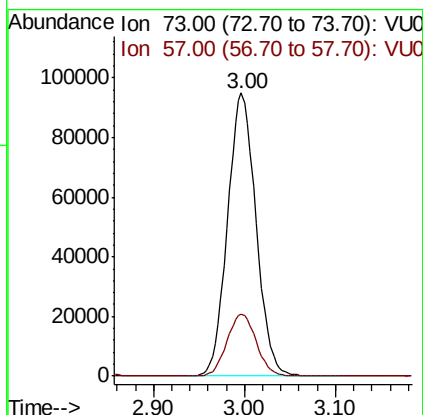
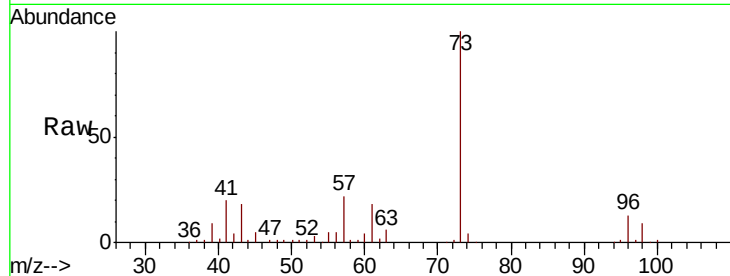




#19
Methyl tert-butyl Ether
Concen: 48.459 ug/l
RT: 3.00 min Scan# 567
Delta R.T. -0.00 min
Lab File: VU029104.D
Acq: 10 Jan 2019 09:19

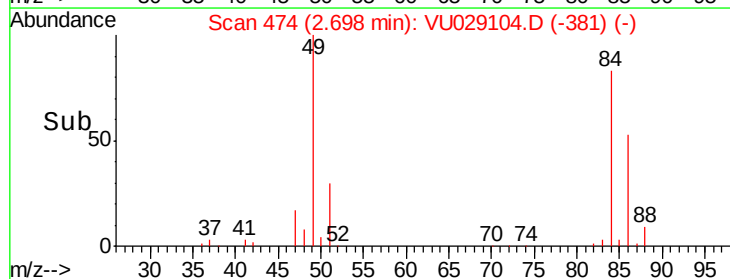
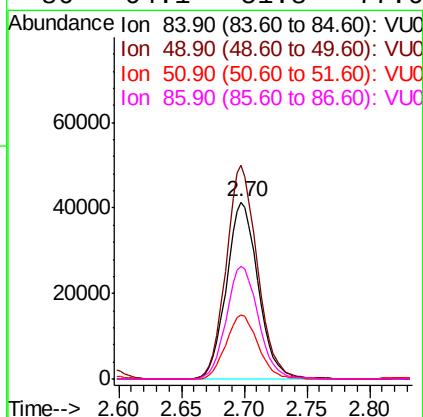
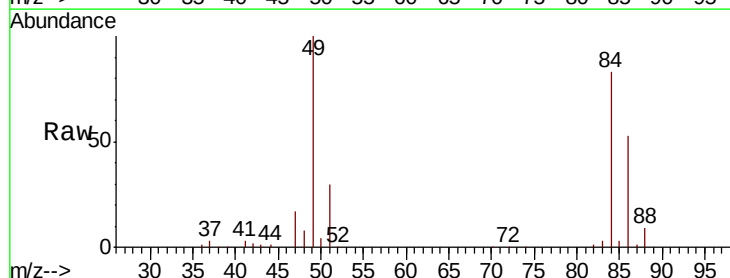
Instrument :
MSVOA_U
ClientSampled :
BFB

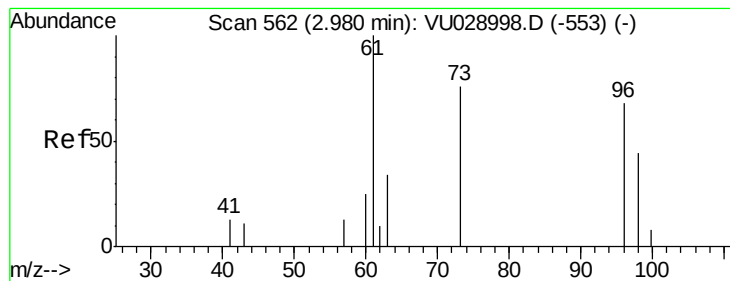
Tgt Ion: 73 Resp: 206222
Ion Ratio Lower Upper
73 100
57 21.8 18.6 28.0



#20
Methylene Chloride
Concen: 47.219 ug/l
RT: 2.70 min Scan# 474
Delta R.T. 0.00 min
Lab File: VU029104.D
Acq: 10 Jan 2019 09:19

Tgt Ion: 84 Resp: 72865
Ion Ratio Lower Upper
84 100
49 120.9 91.9 137.9
51 36.5 29.2 43.8
86 64.1 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 46.034 ug/l

RT: 2.98 min Scan# 561

Delta R.T. 0.00 min

Lab File: VU029104.D

Acq: 10 Jan 2019 09:19

Instrument :

MSVOA_U

ClientSampleId :

BFB

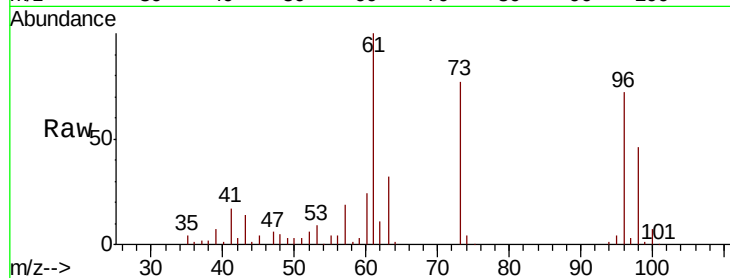
Tgt Ion: 96 Resp: 64739

Ion Ratio Lower Upper

96 100

61 138.9 107.7 161.5

98 64.4 49.2 73.8

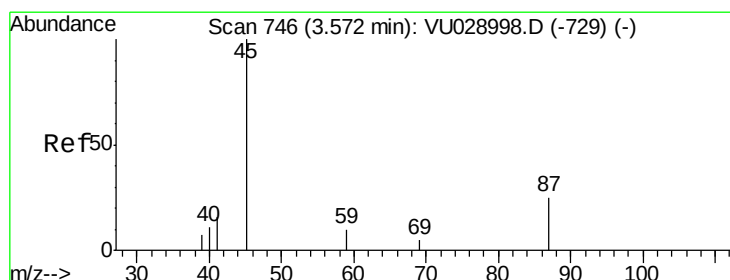
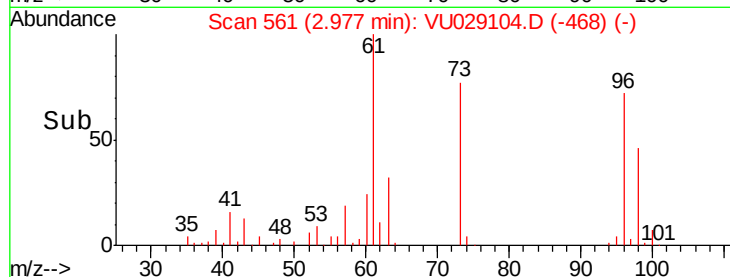
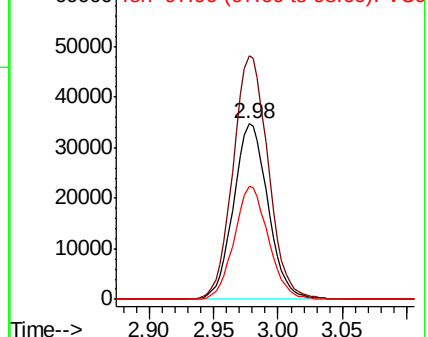


Abundance

Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#22

Diisopropyl ether

Concen: 50.405 ug/l

RT: 3.57 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU029104.D

Acq: 10 Jan 2019 09:19

Tgt Ion: 45 Resp: 221251

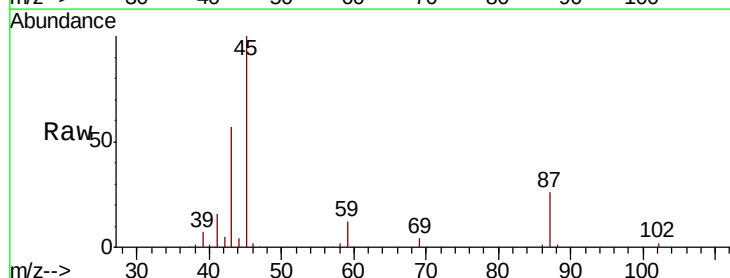
Ion Ratio Lower Upper

45 100

43 56.1 44.7 67.1

87 26.0 22.2 33.2

59 12.3 9.8 14.8



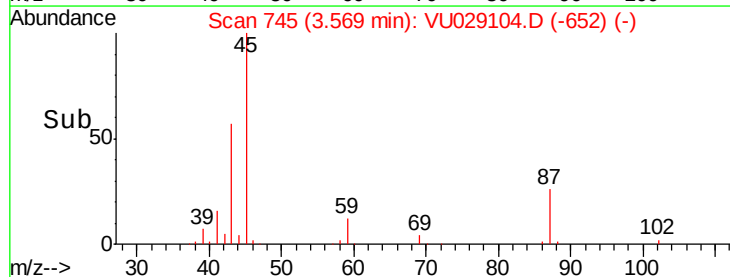
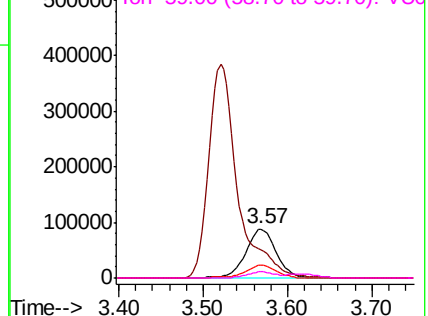
Abundance

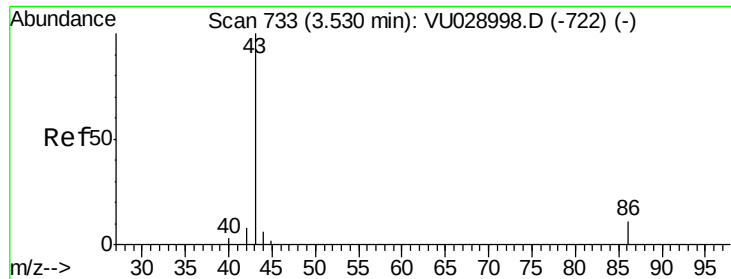
Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

Ion 59.00 (58.70 to 59.70): VU0





#23

Vinyl Acetate

Concen: 255.722 ug/l

RT: 3.52 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU029104.D

Acq: 10 Jan 2019 09:19

Instrument :

MSVOA_U

ClientSampleId :

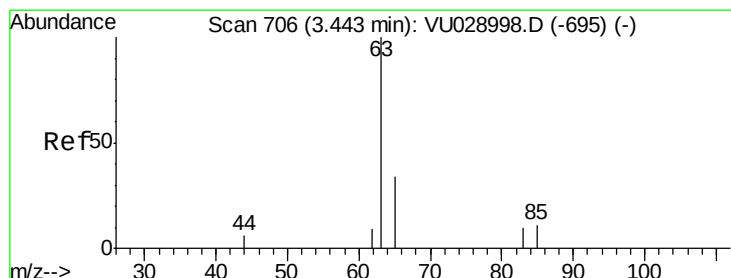
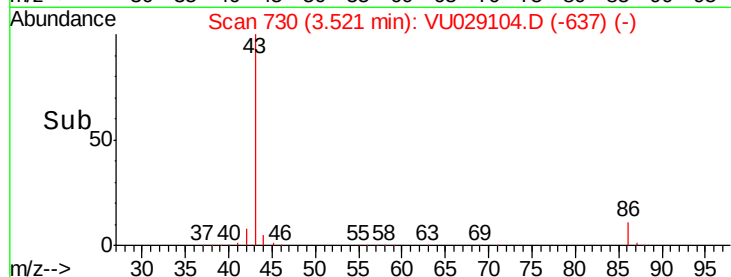
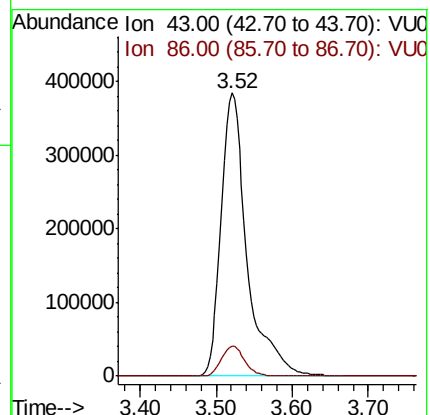
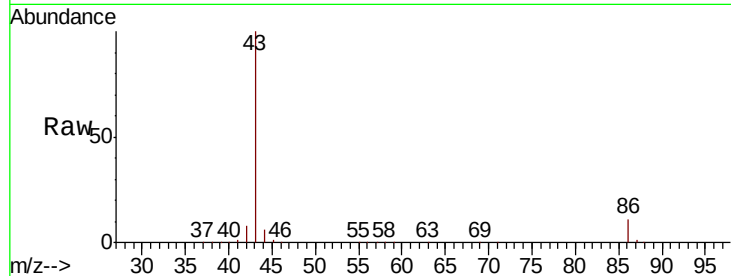
BFB

Tgt Ion: 43 Resp: 917634

Ion Ratio Lower Upper

43 100

86 10.7 8.6 13.0



#24

1,1-Dichloroethane

Concen: 49.736 ug/l

RT: 3.44 min Scan# 706

Delta R.T. 0.00 min

Lab File: VU029104.D

Acq: 10 Jan 2019 09:19

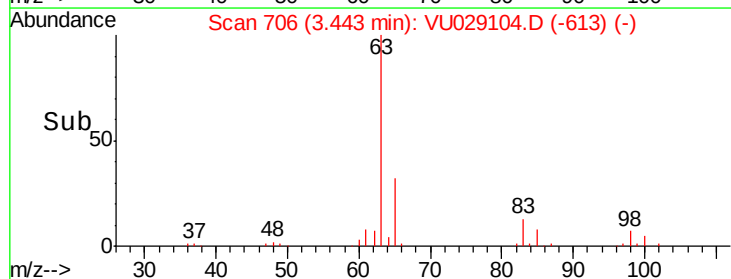
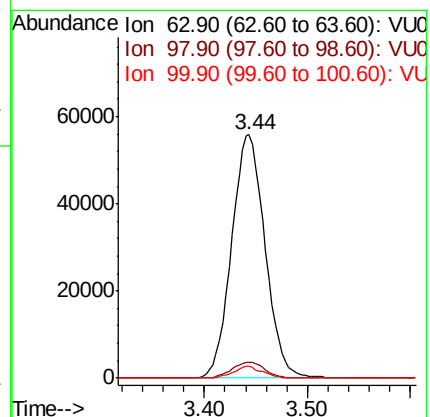
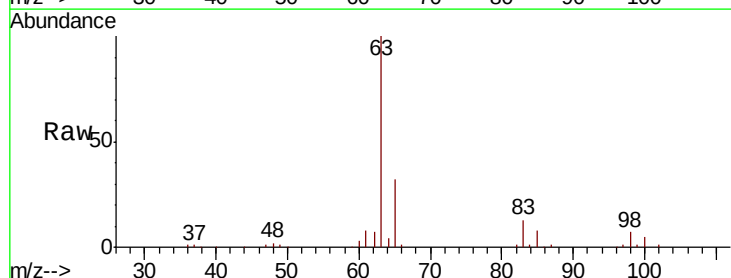
Tgt Ion: 63 Resp: 126028

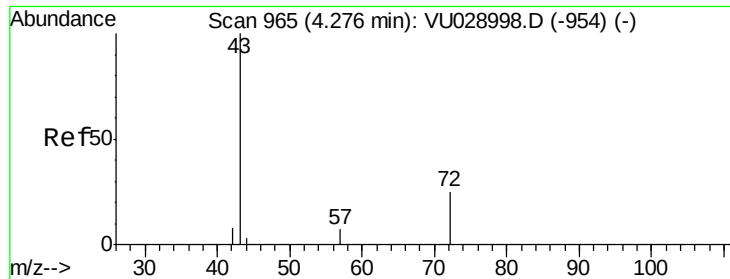
Ion Ratio Lower Upper

63 100

98 6.7 3.4 10.1

100 4.6 2.0 5.8





#25

2-Butanone

Concen: 269.029 ug/l

RT: 4.26 min Scan# 959

Delta R.T. -0.00 min

Lab File: VU029104.D

Acq: 10 Jan 2019 09:19

Instrument :

MSVOA_U

ClientSampled :

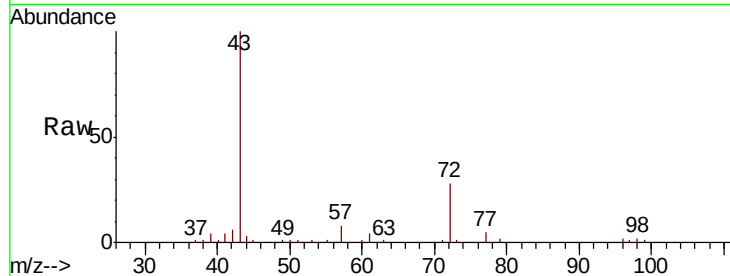
BFB

Tgt Ion: 43 Resp: 330255

Ion Ratio Lower Upper

43 100

72 27.7 22.6 33.8



Abundance Ion 43.00 (42.70 to 43.70): VU028998.D (-954) (-)

Ion 72.00 (71.70 to 72.70): VU028998.D (-954) (-)

4.26

150000

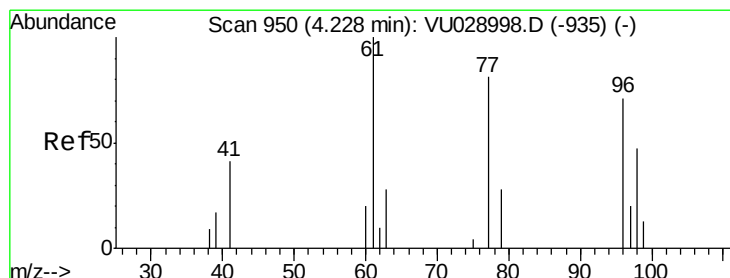
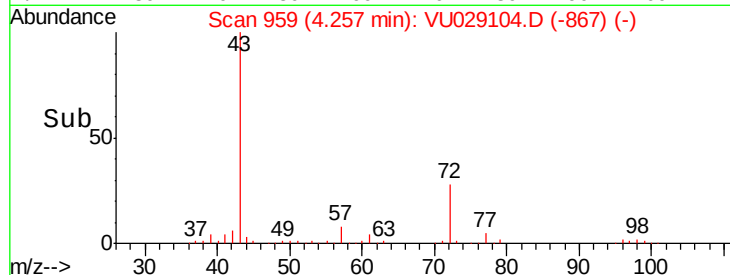
100000

50000

0

4.15 4.20 4.25 4.30 4.35

Time-->



#26

2,2-Dichloropropane

Concen: 50.691 ug/l

RT: 4.22 min Scan# 948

Delta R.T. -0.00 min

Lab File: VU029104.D

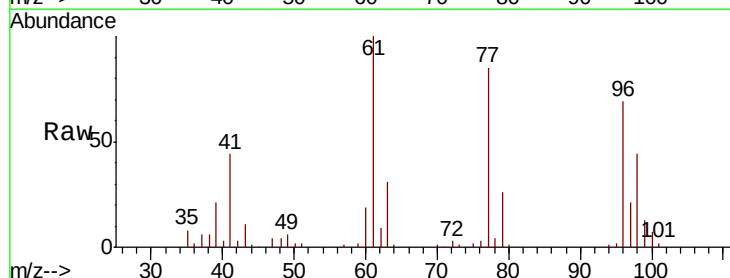
Acq: 10 Jan 2019 09:19

Tgt Ion: 77 Resp: 103789

Ion Ratio Lower Upper

77 100

97 23.4 12.0 36.1



Abundance Ion 76.90 (76.60 to 77.60): VU028998.D (-935) (-)

Ion 96.90 (96.60 to 97.60): VU028998.D (-935) (-)

4.22

40000

30000

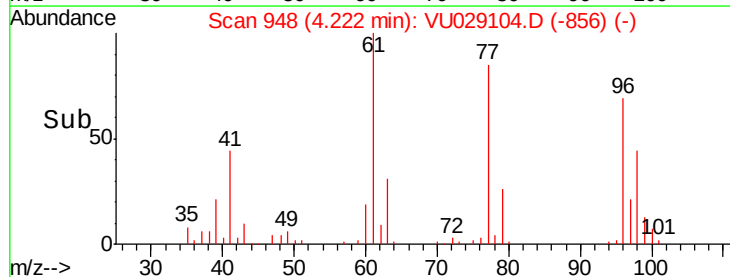
20000

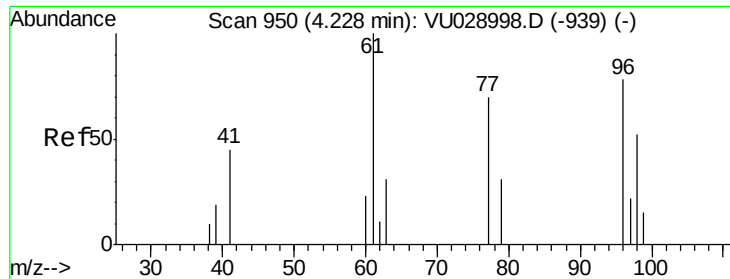
10000

0

4.10 4.20 4.30

Time-->



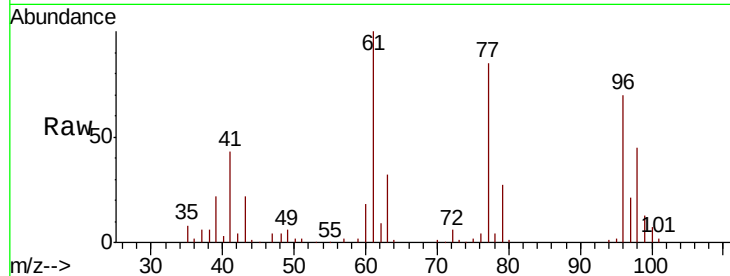


#27

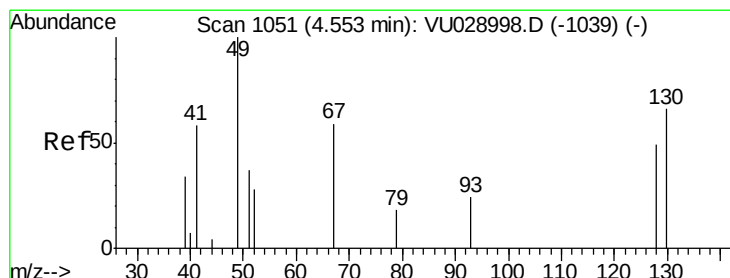
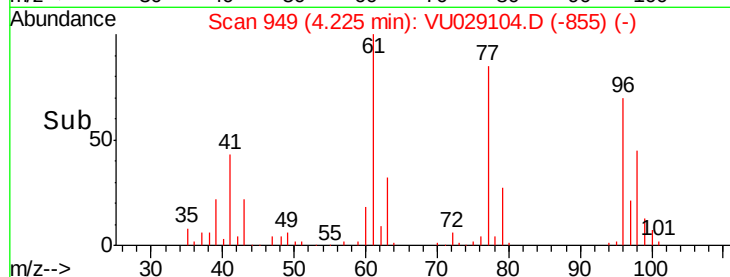
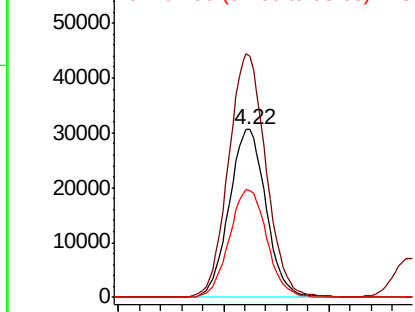
cis-1,2-Dichloroethene
 Concen: 48.170 ug/l
 RT: 4.22 min Scan# 949
 Delta R.T. 0.00 min
 Lab File: VU029104.D
 Acq: 10 Jan 2019 09:19

Instrument :
 MSVOA_U
 ClientSampled :
 BFB

Tgt Ion: 96 Resp: 74091
 Ion Ratio Lower Upper
 96 100
 61 147.7 0.0 285.6
 98 65.2 0.0 130.2



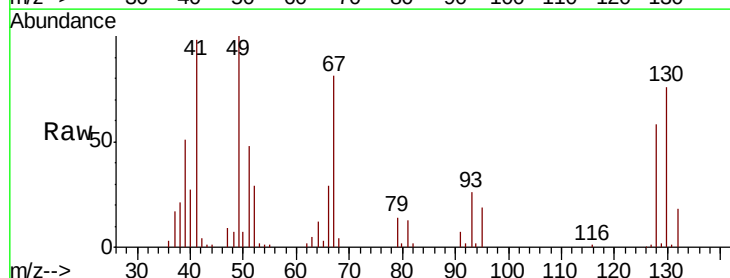
Abundance Ion 95.90 (95.60 to 96.60): VU0
 Ion 60.90 (60.60 to 61.60): VU0
 Ion 97.90 (97.60 to 98.60): VU0



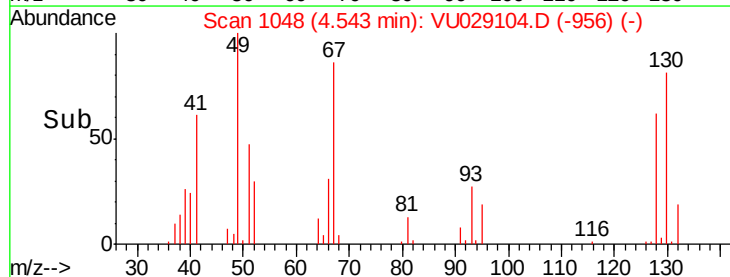
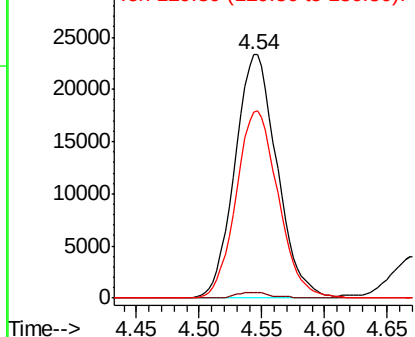
#28

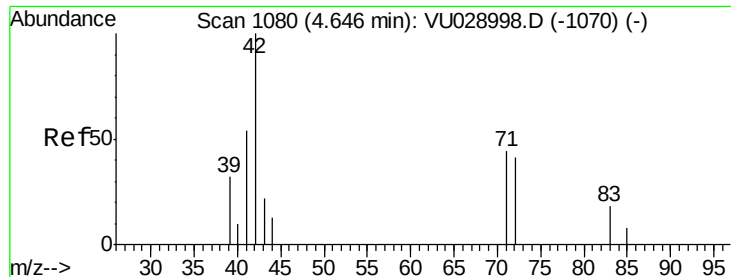
Bromochloromethane
 Concen: 50.343 ug/l
 RT: 4.54 min Scan# 1048
 Delta R.T. -0.00 min
 Lab File: VU029104.D
 Acq: 10 Jan 2019 09:19

Tgt Ion: 49 Resp: 54623
 Ion Ratio Lower Upper
 49 100
 129 1.9 0.0 3.4
 130 76.8 62.9 94.3



Abundance Ion 48.90 (48.60 to 49.60): VU0
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 258.170 ug/l

RT: 4.63 min Scan# 1076

Delta R.T. 0.00 min

Lab File: VU029104.D

Acq: 10 Jan 2019 09:19

Instrument :

MSVOA_U

ClientSampleId :

BFB

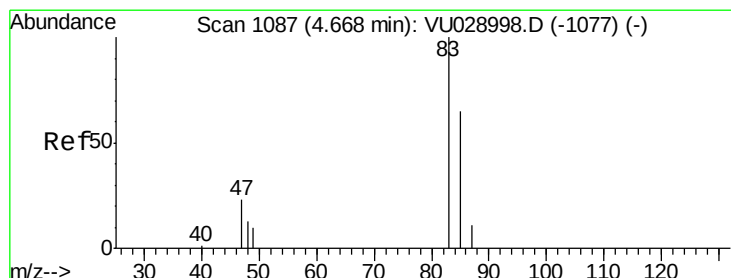
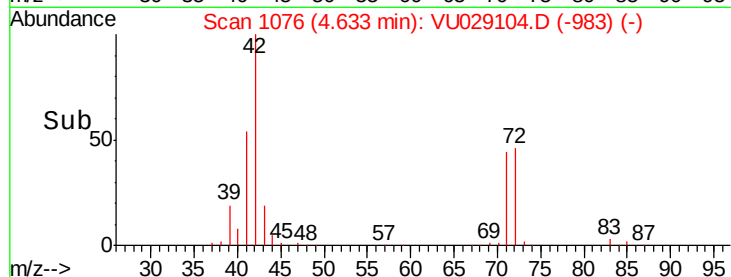
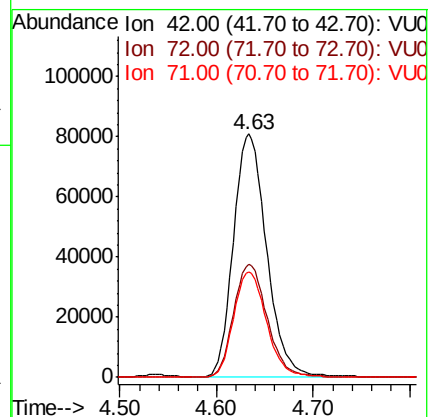
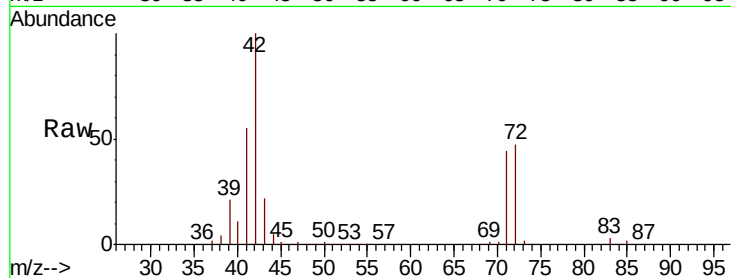
Tgt Ion: 42 Resp: 192220

Ion Ratio Lower Upper

42 100

72 47.3 38.3 57.5

71 43.4 36.1 54.1



#30

Chloroform

Concen: 50.241 ug/l

RT: 4.67 min Scan# 1087

Delta R.T. -0.00 min

Lab File: VU029104.D

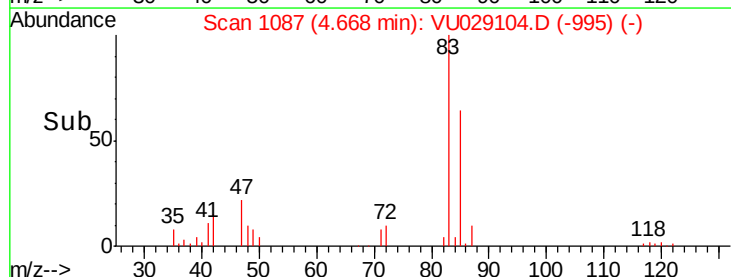
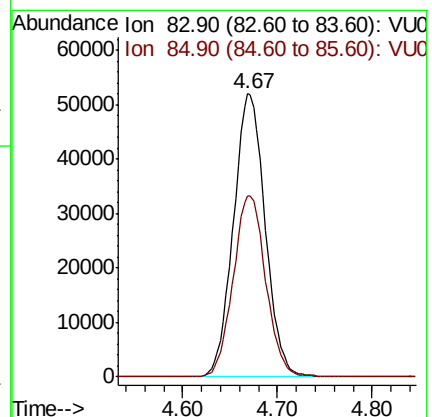
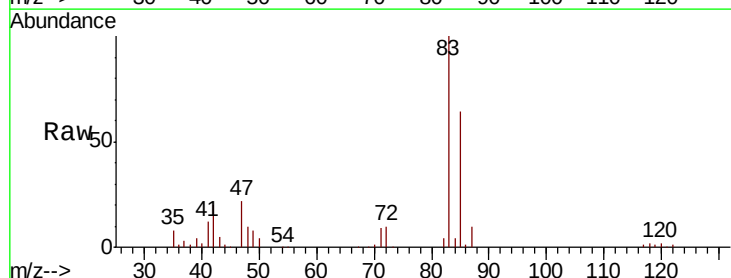
Acq: 10 Jan 2019 09:19

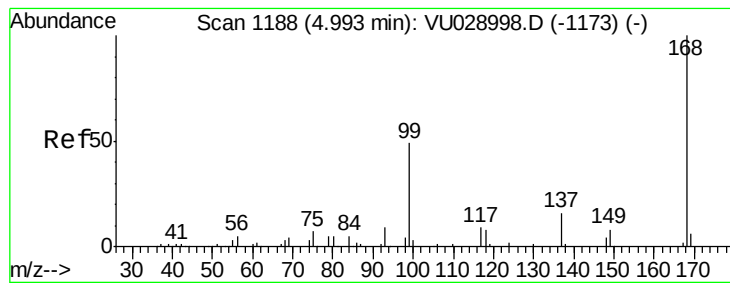
Tgt Ion: 83 Resp: 121256

Ion Ratio Lower Upper

83 100

85 64.1 53.4 80.0





#31

Cyclohexane

Concen: 48.358 ug/l

RT: 4.99 min Scan# 1187

Delta R.T. -0.00 min

Lab File: VU029104.D

Acq: 10 Jan 2019 09:19

Instrument :

MSVOA_U

ClientSampled :

BFB

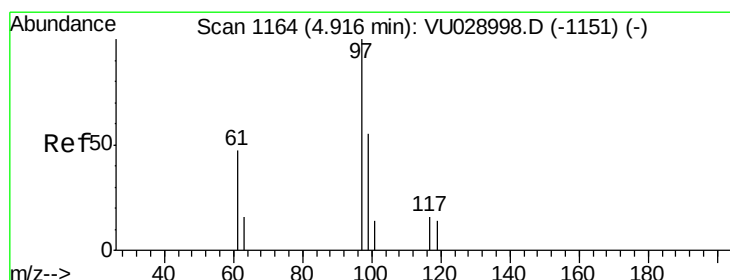
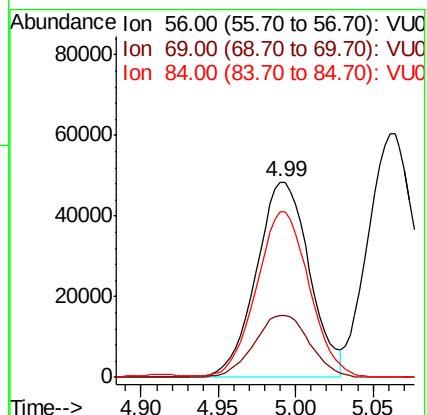
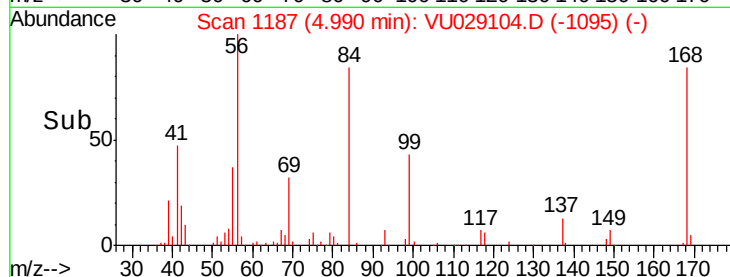
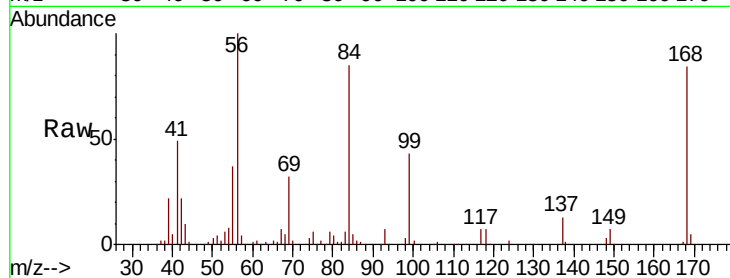
Tgt Ion: 56 Resp: 115759

Ion Ratio Lower Upper

56 100

69 31.7 26.7 40.1

84 84.2 65.7 98.5



#32

1,1,1-Trichloroethane

Concen: 48.831 ug/l

RT: 4.91 min Scan# 1163

Delta R.T. 0.00 min

Lab File: VU029104.D

Acq: 10 Jan 2019 09:19

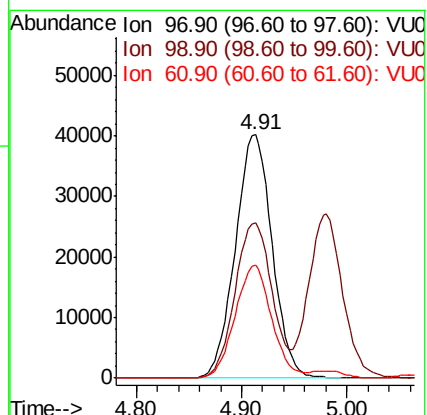
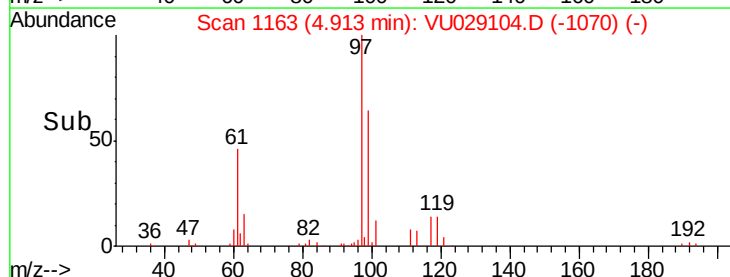
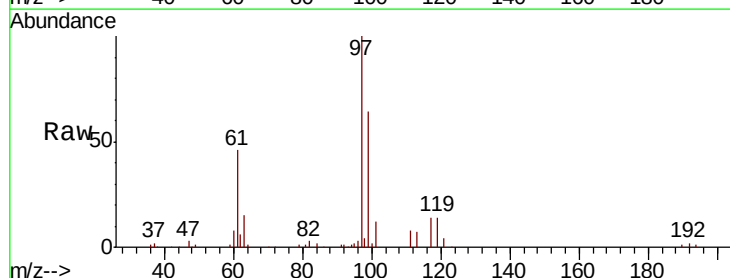
Tgt Ion: 97 Resp: 97381

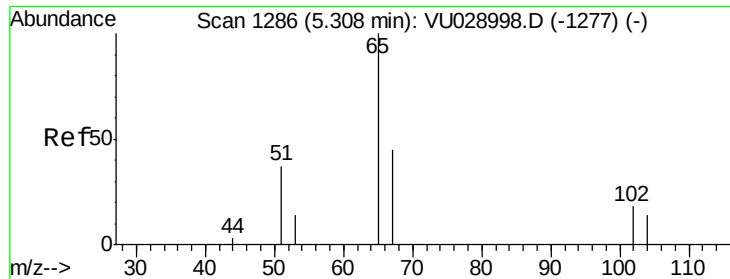
Ion Ratio Lower Upper

97 100

99 65.1 51.0 76.4

61 46.1 34.4 51.6

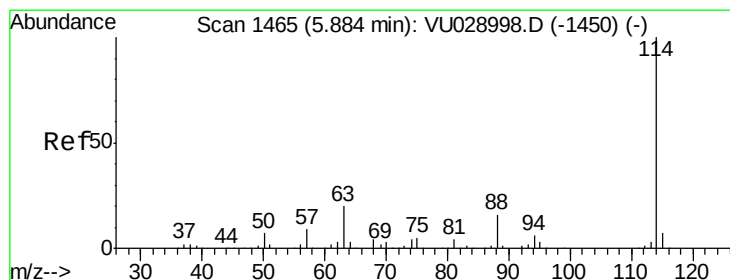
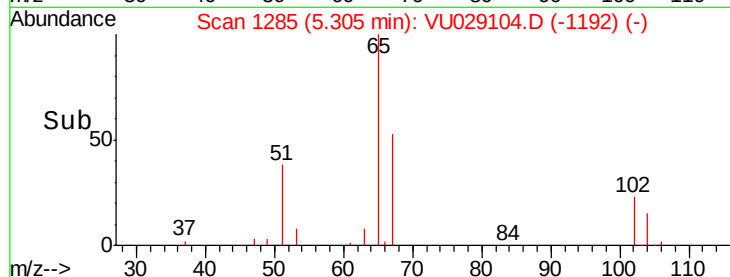
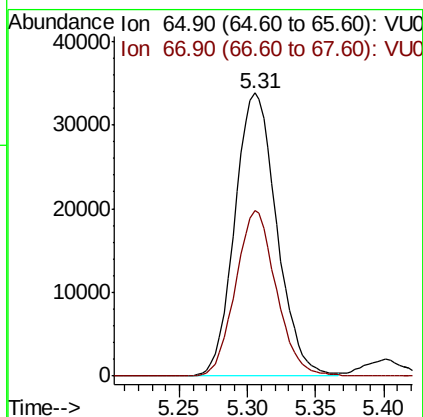
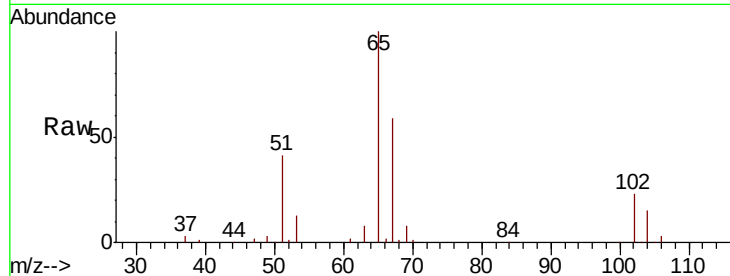




#33
 1,2-Dichloroethane-d4
 Concen: 50.027 ug/l
 RT: 5.31 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VU029104.D
 Acq: 10 Jan 2019 09:19

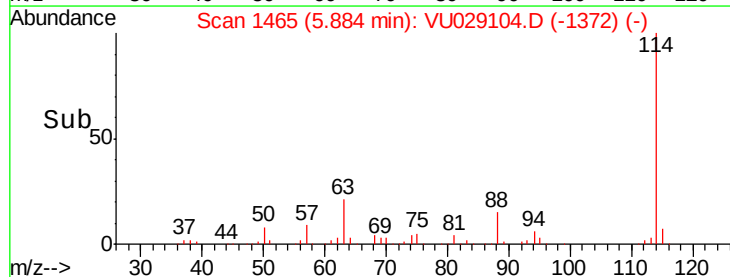
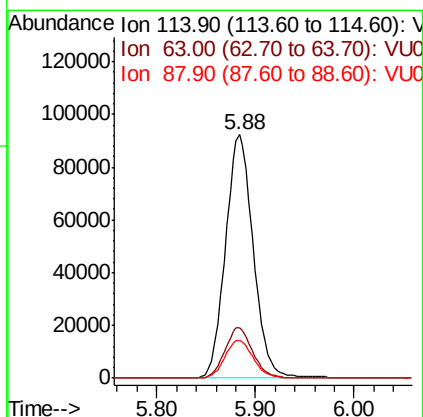
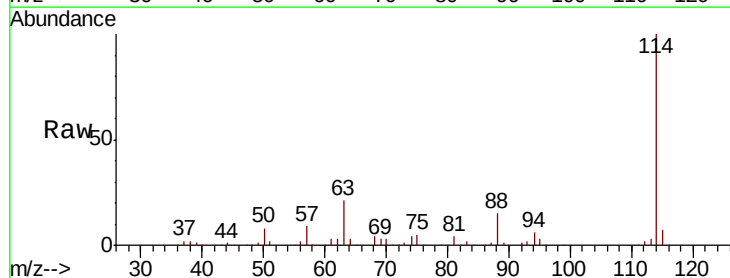
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB

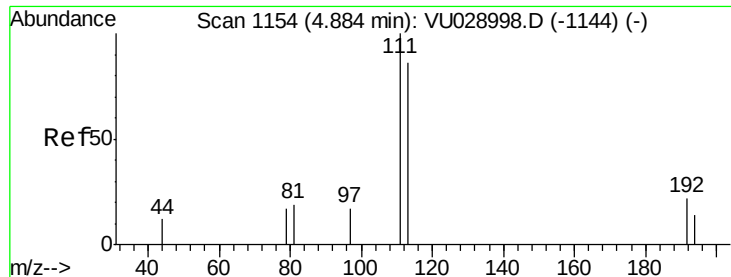
Tgt Ion: 65 Resp: 72177
 Ion Ratio Lower Upper
 65 100
 67 56.7 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. 0.00 min
 Lab File: VU029104.D
 Acq: 10 Jan 2019 09:19

Tgt Ion: 114 Resp: 181880
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 40.2
 88 15.3 0.0 30.4





#35

Dibromofluoromethane

Concen: 52.300 ug/l

RT: 4.88 min Scan# 1152

Delta R.T. -0.00 min

Lab File: VU029104.D

Acq: 10 Jan 2019 09:19

Instrument :

MSVOA_U

ClientSampleId :

BFB

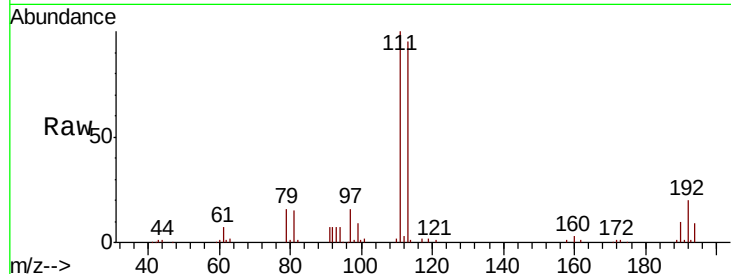
Tgt Ion: 113 Resp: 61662

Ion Ratio Lower Upper

113 100

111 103.4 81.4 122.2

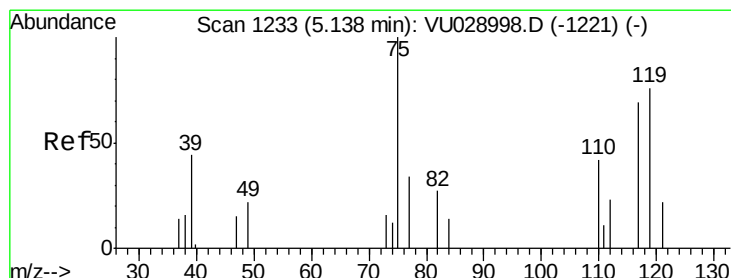
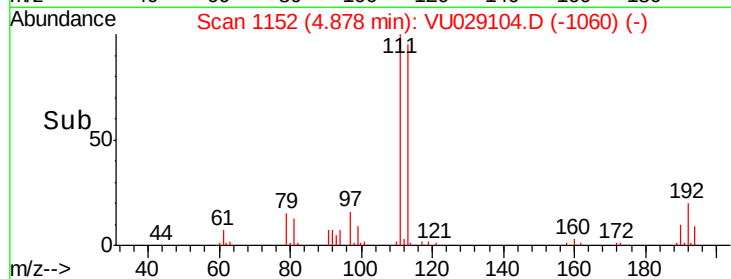
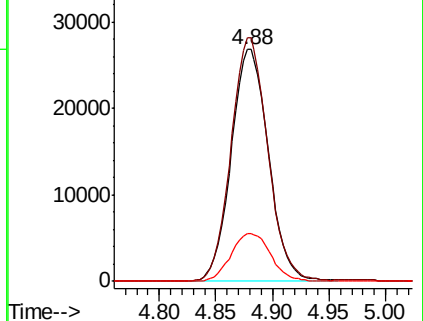
192 21.7 16.8 25.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 50.204 ug/l

RT: 5.13 min Scan# 1231

Delta R.T. -0.00 min

Lab File: VU029104.D

Acq: 10 Jan 2019 09:19

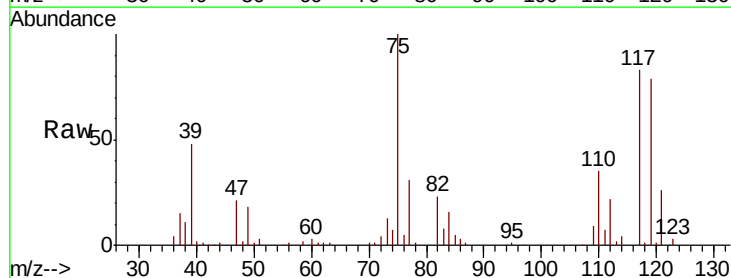
Tgt Ion: 75 Resp: 91270

Ion Ratio Lower Upper

75 100

110 35.0 18.4 55.4

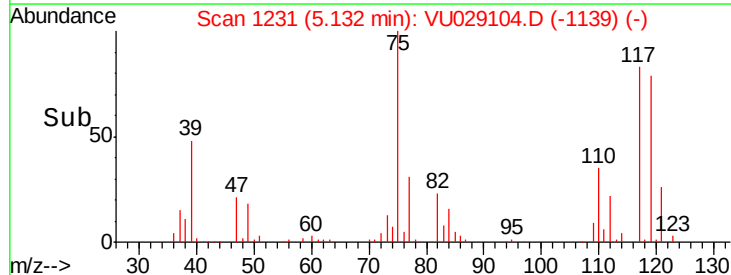
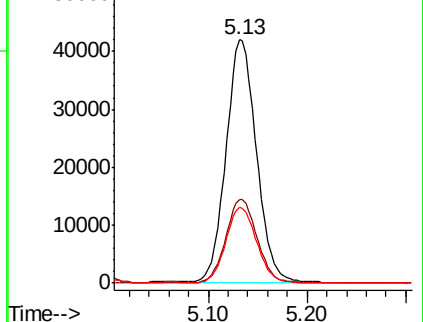
77 31.4 25.1 37.7

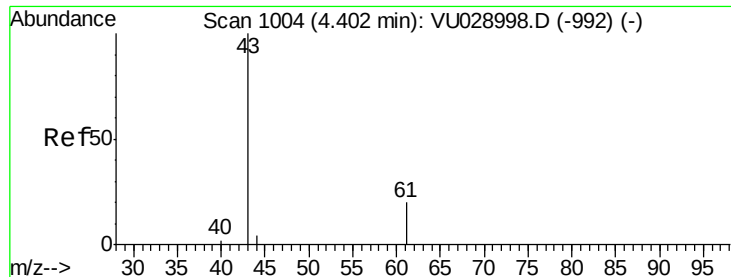


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0

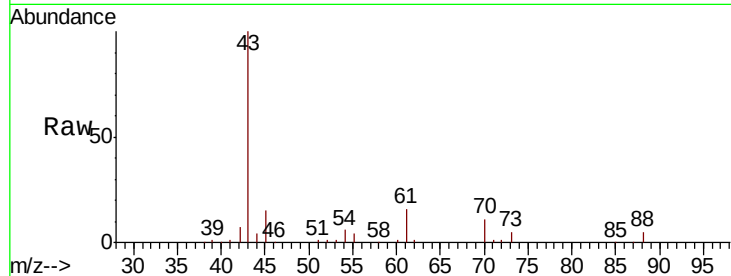




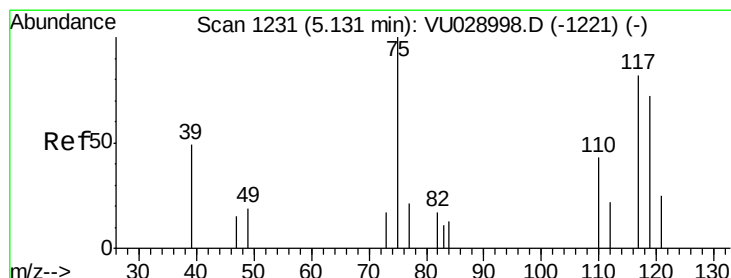
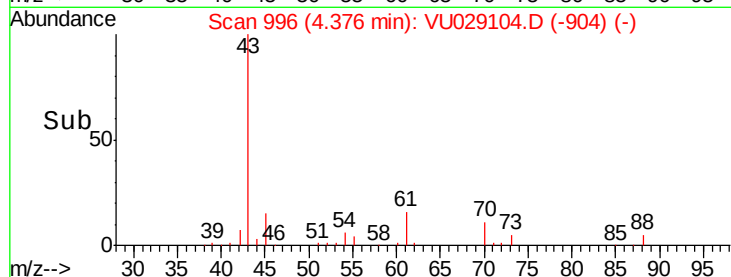
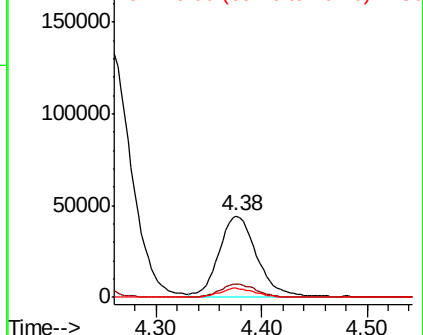
#37
Ethyl Acetate
Concen: 54.235 ug/l
RT: 4.38 min Scan# 996
Delta R.T. -0.00 min
Lab File: VU029104.D
Acq: 10 Jan 2019 09:19

Instrument :
MSVOA_U
ClientSampleId :
BFB

Tgt Ion: 43 Resp: 108227
Ion Ratio Lower Upper
43 100
61 15.5 12.6 18.8
70 10.7 9.3 13.9

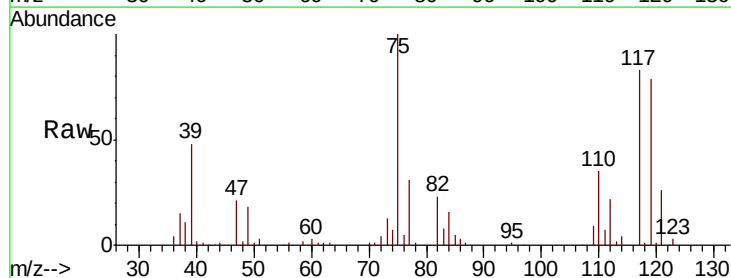


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 70.00 (69.70 to 70.70): VU0

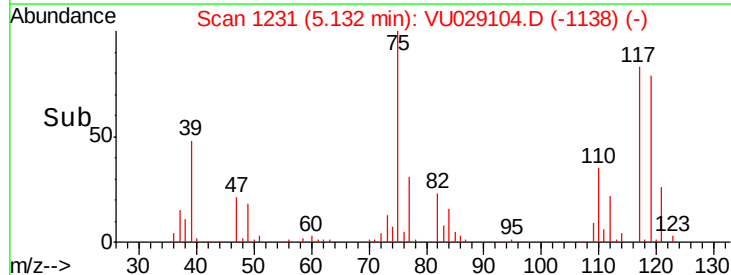
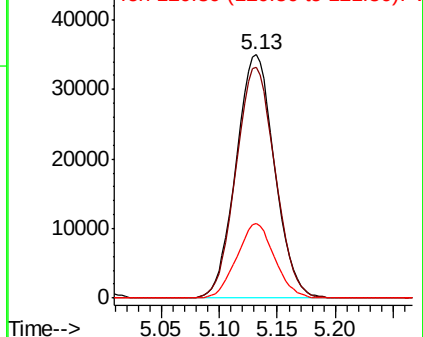


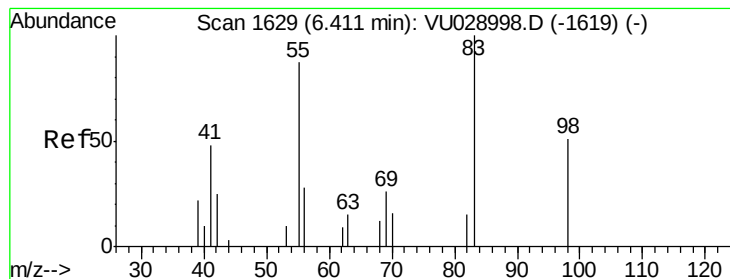
#38
Carbon Tetrachloride
Concen: 53.392 ug/l
RT: 5.13 min Scan# 1231
Delta R.T. 0.00 min
Lab File: VU029104.D
Acq: 10 Jan 2019 09:19

Tgt Ion: 117 Resp: 80957
Ion Ratio Lower Upper
117 100
119 95.1 74.6 111.8
121 30.7 25.0 37.6



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V





#39

Methylcyclohexane

Concen: 50.855 ug/l

RT: 6.41 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VU029104.D

Acq: 10 Jan 2019 09:19

Instrument :

MSVOA_U

ClientSampleId :

BFB

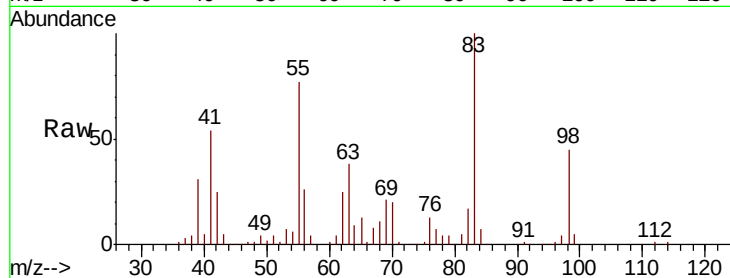
Tgt Ion: 83 Resp: 113660

Ion Ratio Lower Upper

83 100

55 77.0 62.4 93.6

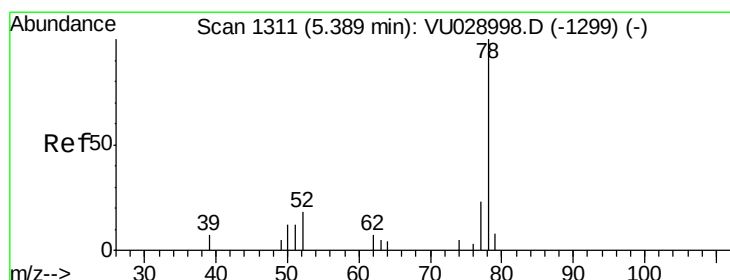
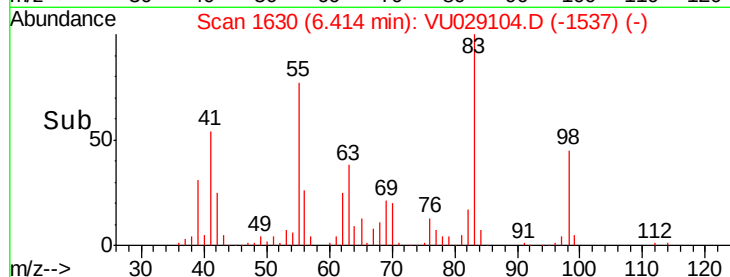
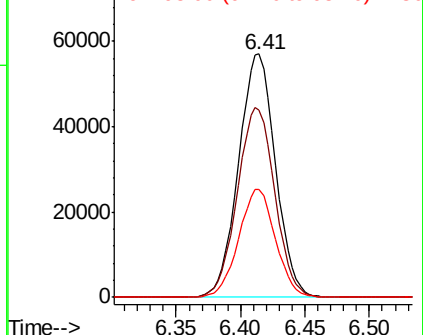
98 44.6 36.2 54.2



Abundance Ion 83.00 (82.70 to 83.70): VU028998.D (-1619) (-)

Ion 55.00 (54.70 to 55.70): VU028998.D (-1619) (-)

Ion 98.00 (97.70 to 98.70): VU028998.D (-1619) (-)



#40

Benzene

Concen: 51.085 ug/l

RT: 5.39 min Scan# 1310

Delta R.T. 0.00 min

Lab File: VU029104.D

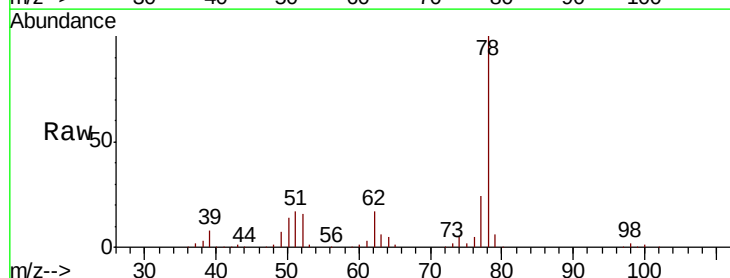
Acq: 10 Jan 2019 09:19

Tgt Ion: 78 Resp: 289688

Ion Ratio Lower Upper

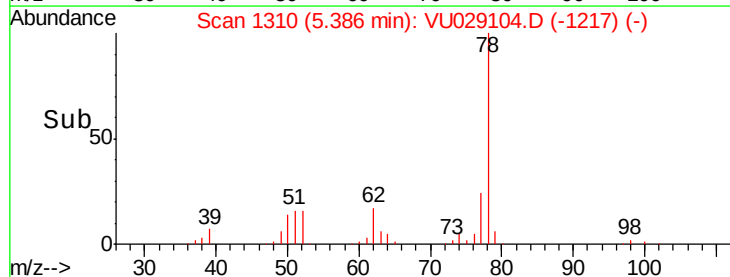
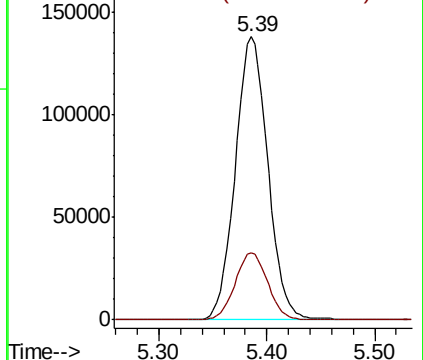
78 100

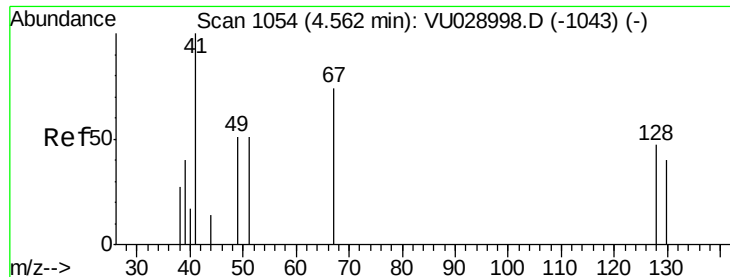
77 23.9 18.9 28.3



Abundance Ion 78.00 (77.70 to 78.70): VU028998.D (-1299) (-)

Ion 77.00 (76.70 to 77.70): VU028998.D (-1299) (-)

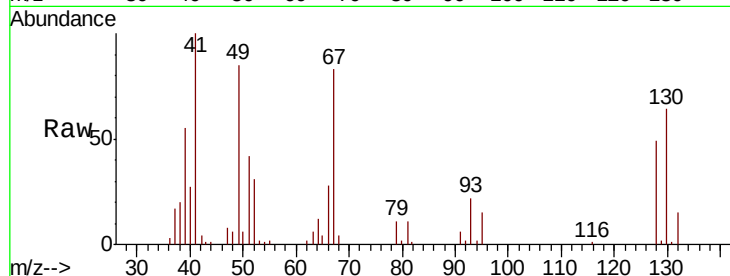




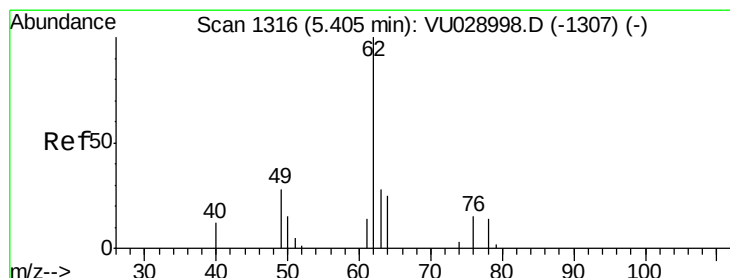
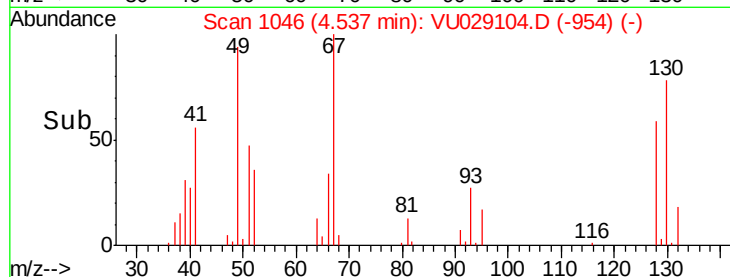
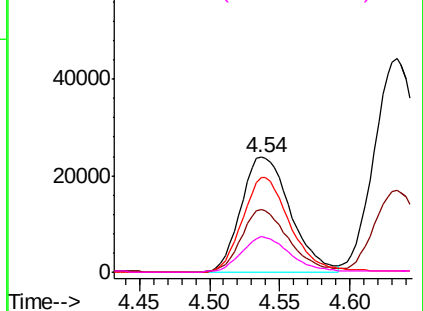
#41
Methacrylonitrile
Concen: 54.905 ug/l
RT: 4.54 min Scan# 1046
Delta R.T. -0.00 min
Lab File: VU029104.D
Acq: 10 Jan 2019 09:19

Instrument :
MSVOA_U
ClientSampleId :
BFB

Tgt Ion:	41	Resp:	58648
Ion	Ratio	Lower	Upper
41	100		
39	52.4	42.3	63.5
67	80.0	64.4	96.6
52	30.5	23.9	35.9

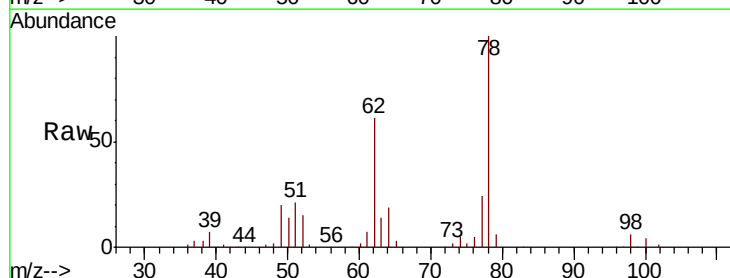


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 67.00 (66.70 to 67.70): VU0
Ion 52.00 (51.70 to 52.70): VU0

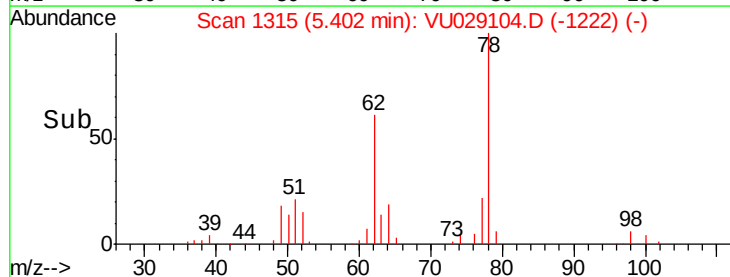
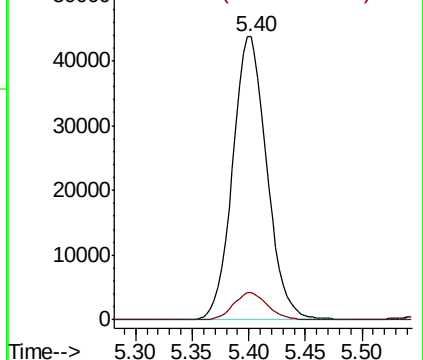


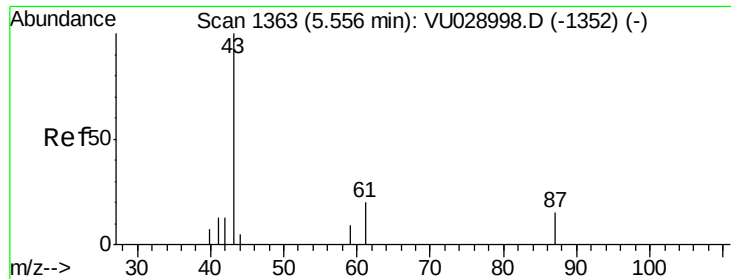
#42
1,2-Dichloroethane
Concen: 54.066 ug/l
RT: 5.40 min Scan# 1315
Delta R.T. 0.00 min
Lab File: VU029104.D
Acq: 10 Jan 2019 09:19

Tgt Ion:	62	Resp:	92128
Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	19.6



Abundance Ion 61.90 (61.60 to 62.60): VU0
Ion 97.90 (97.60 to 98.60): VU0





#43

Isopropyl Acetate

Concen: 53.893 ug/l

RT: 5.54 min Scan# 1359

Delta R.T. -0.00 min

Lab File: VU029104.D

Acq: 10 Jan 2019 09:19

Instrument :

MSVOA_U

ClientSampleId :

BFB

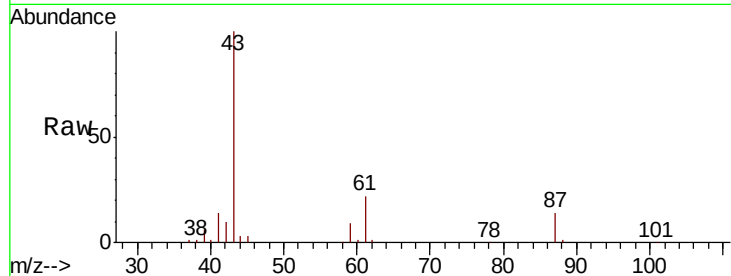
Tgt Ion: 43 Resp: 164972

Ion Ratio Lower Upper

43 100

61 22.1 17.8 26.6

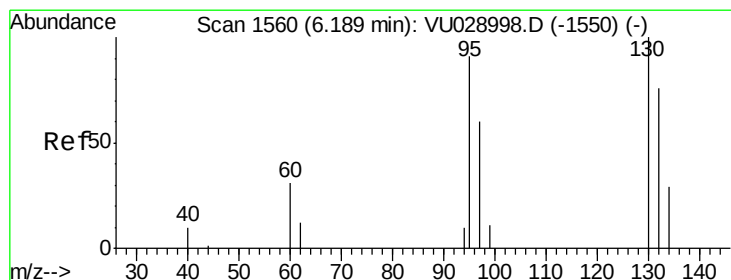
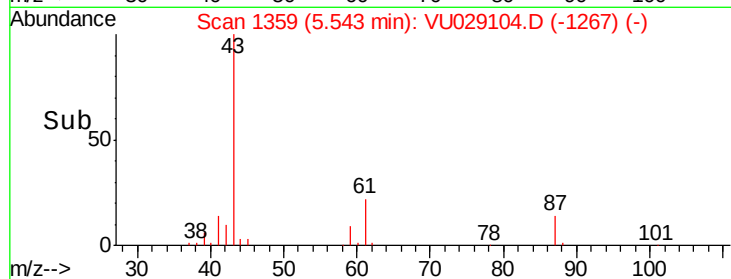
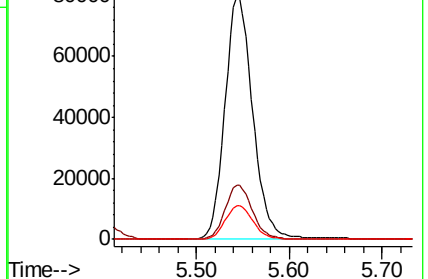
87 13.9 11.3 16.9



Abundance Ion 43.00 (42.70 to 43.70): VU028998.D (-1352) (-)

Ion 61.00 (60.70 to 61.70): VU028998.D (-1352) (-)

Ion 87.00 (86.70 to 87.70): VU028998.D (-1352) (-)



#44

Trichloroethene

Concen: 49.491 ug/l

RT: 6.18 min Scan# 1558

Delta R.T. 0.00 min

Lab File: VU029104.D

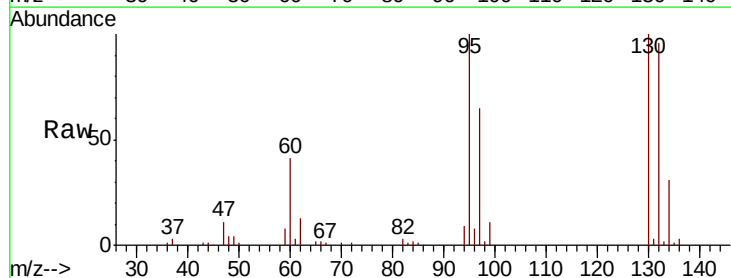
Acq: 10 Jan 2019 09:19

Tgt Ion:130 Resp: 69538

Ion Ratio Lower Upper

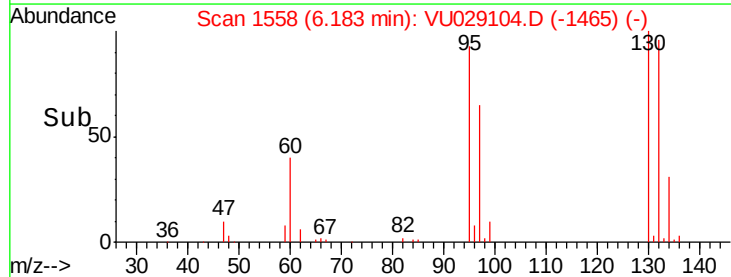
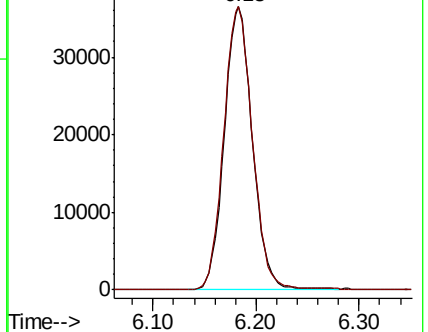
130 100

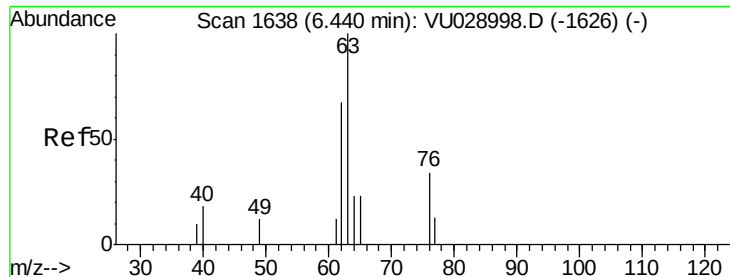
95 99.9 0.0 205.0



Abundance Ion 129.80 (129.50 to 130.50): VU028998.D (-1550) (-)

Ion 94.90 (94.60 to 95.60): VU028998.D (-1550) (-)

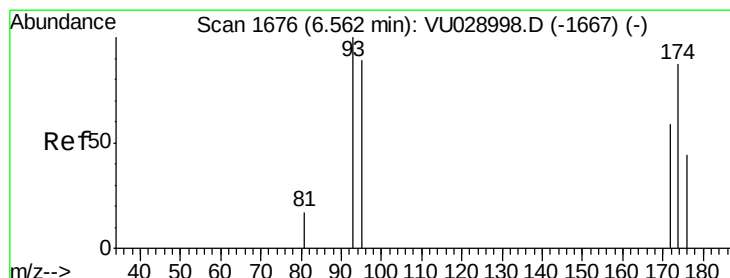
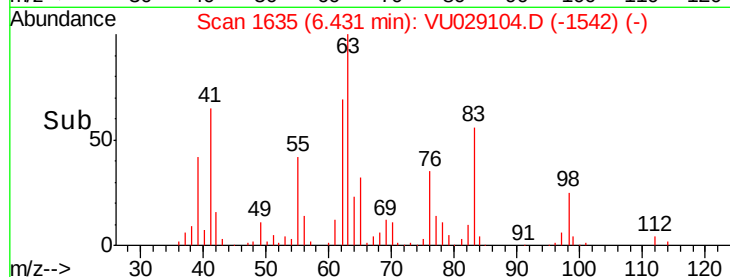
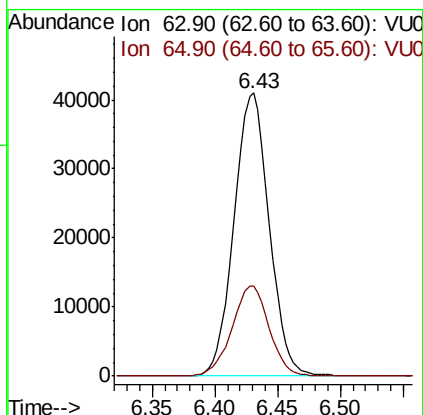
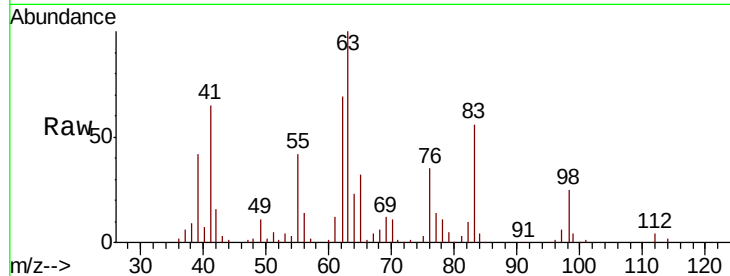




#45
 1,2-Dichloropropane
 Concen: 53.376 ug/l
 RT: 6.43 min Scan# 1635
 Delta R.T. 0.00 min
 Lab File: VU029104.D
 Acq: 10 Jan 2019 09:19

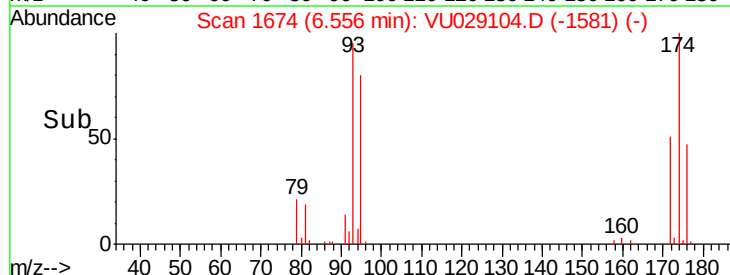
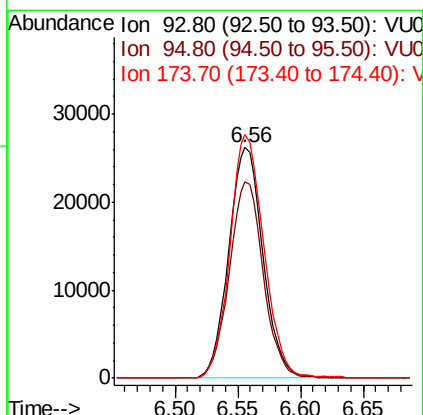
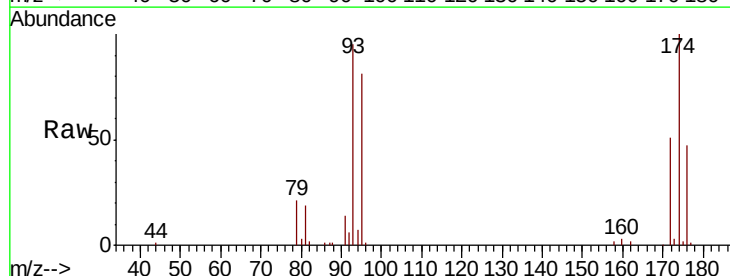
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB

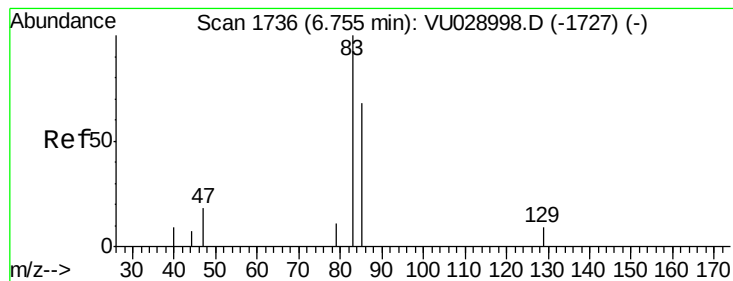
Tgt Ion: 63 Resp: 79932
 Ion Ratio Lower Upper
 63 100
 65 31.8 25.1 37.7



#46
 Dibromomethane
 Concen: 52.013 ug/l
 RT: 6.56 min Scan# 1674
 Delta R.T. 0.00 min
 Lab File: VU029104.D
 Acq: 10 Jan 2019 09:19

Tgt Ion: 93 Resp: 49793
 Ion Ratio Lower Upper
 93 100
 95 84.1 67.2 100.8
 174 104.7 82.6 123.8





#47

Bromodichloromethane

Concen: 53.875 ug/l

RT: 6.75 min Scan# 1735

Delta R.T. -0.00 min

Lab File: VU029104.D

Acq: 10 Jan 2019 09:19

Instrument :

MSVOA_U

ClientSampleId :

BFB

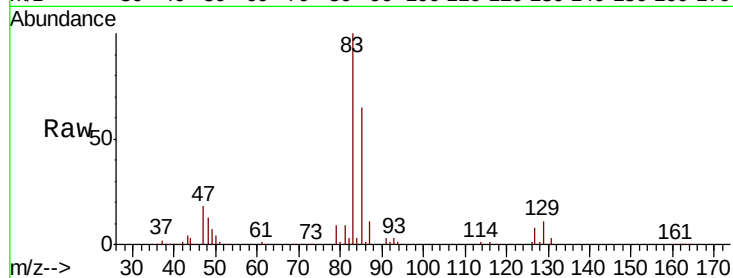
Tgt Ion: 83 Resp: 94958

Ion Ratio Lower Upper

83 100

85 65.1 51.4 77.2

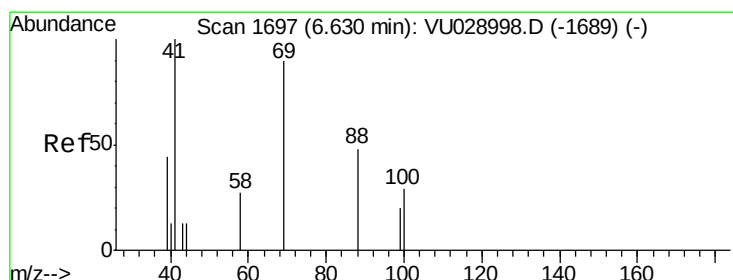
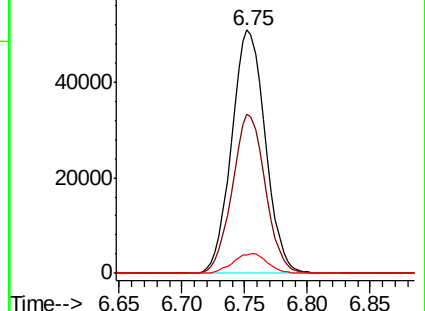
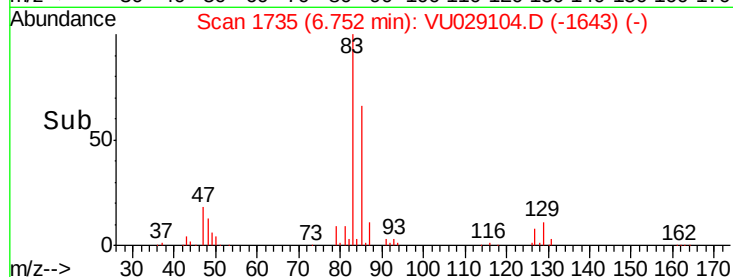
127 7.8 7.0 10.4



Abundance Ion 82.90 (82.60 to 83.60): VU028998.D (-1727) (-)

Ion 84.90 (84.60 to 85.60): VU028998.D (-1727) (-)

Ion 126.80 (126.50 to 127.50): VU028998.D (-1727) (-)



#48

Methyl methacrylate

Concen: 56.249 ug/l

RT: 6.62 min Scan# 1694

Delta R.T. 0.00 min

Lab File: VU029104.D

Acq: 10 Jan 2019 09:19

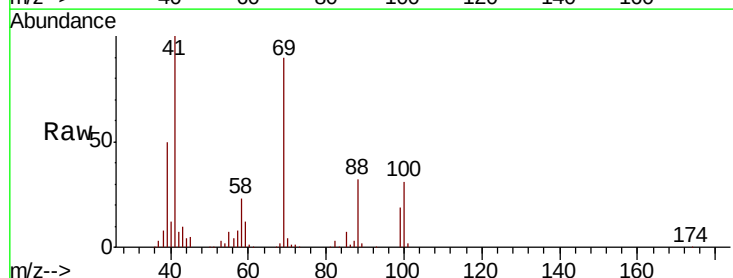
Tgt Ion: 41 Resp: 83842

Ion Ratio Lower Upper

41 100

69 90.2 73.6 110.4

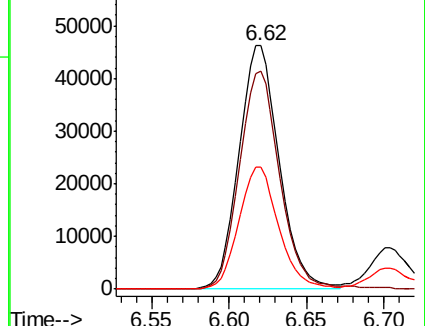
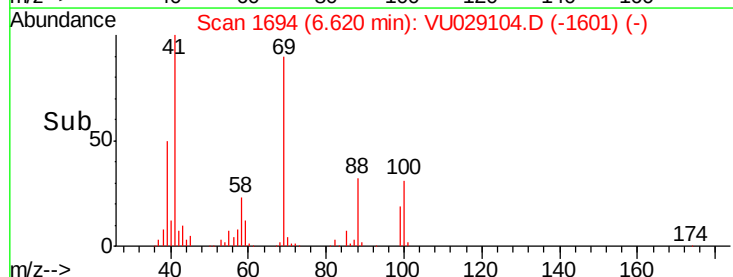
39 49.5 39.6 59.4

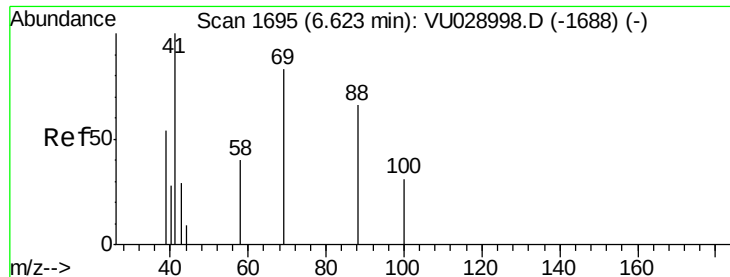


Abundance Ion 41.00 (40.70 to 41.70): VU028998.D (-1689) (-)

Ion 69.00 (68.70 to 69.70): VU028998.D (-1689) (-)

Ion 39.00 (38.70 to 39.70): VU028998.D (-1689) (-)

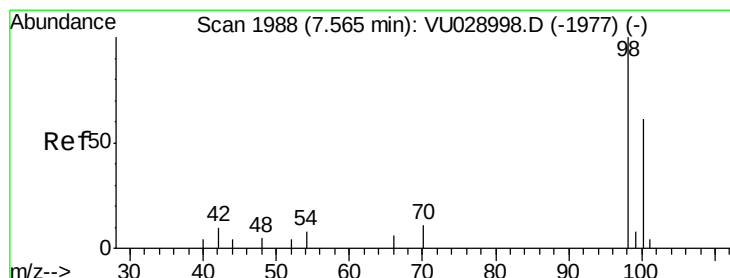
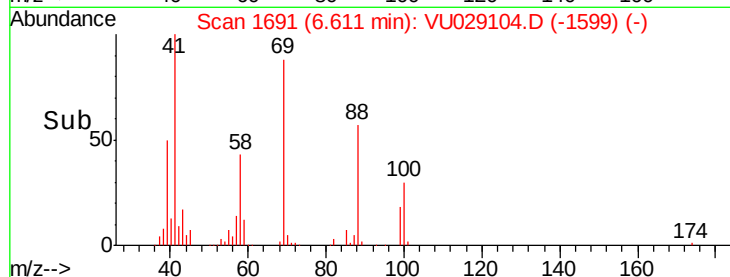
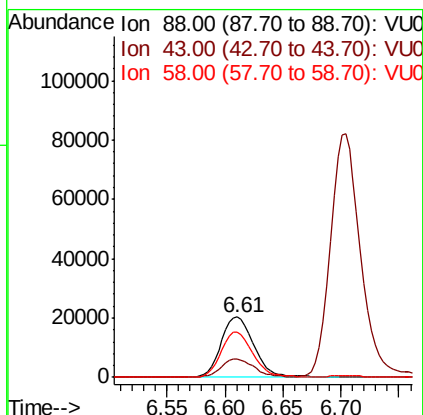
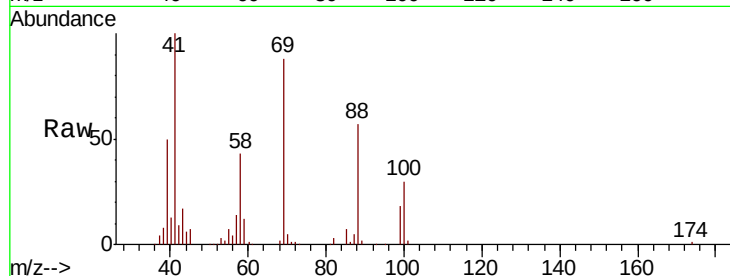




#49
1,4-Dioxane
Concen: 1142.416 ug/l
RT: 6.61 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VU029104.D
Acq: 10 Jan 2019 09:19

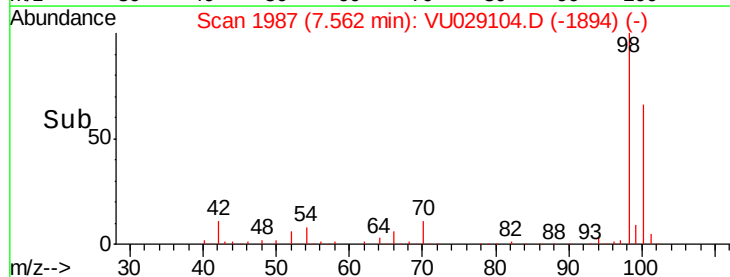
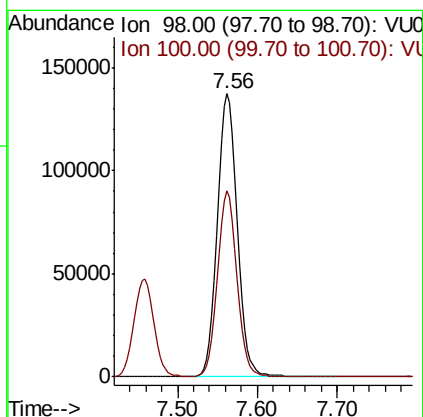
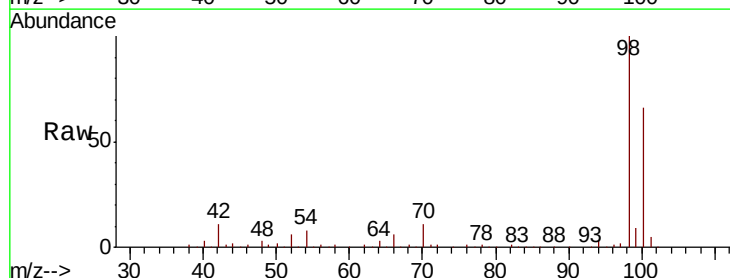
Instrument :
MSVOA_U
ClientSampleId :
BFB

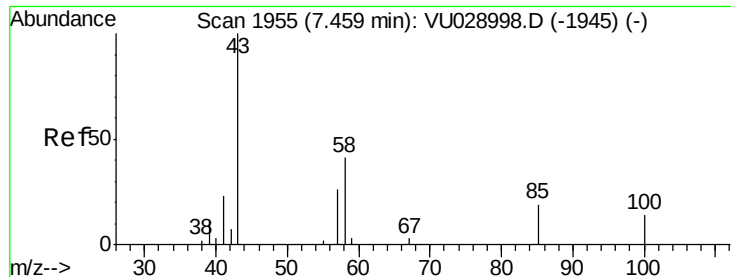
Tgt Ion: 88 Resp: 40354
Ion Ratio Lower Upper
88 100
43 30.6 23.0 34.4
58 72.6 57.9 86.9



#50
Toluene-d8
Concen: 51.425 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VU029104.D
Acq: 10 Jan 2019 09:19

Tgt Ion: 98 Resp: 239362
Ion Ratio Lower Upper
98 100
100 63.5 51.6 77.4





#51

4-Methyl-2-Pentanone

Concen: 274.732 ug/l

RT: 7.46 min Scan# 1954

Delta R.T. -0.00 min

Lab File: VU029104.D

Acq: 10 Jan 2019 09:19

Instrument :

MSVOA_U

ClientSampled :

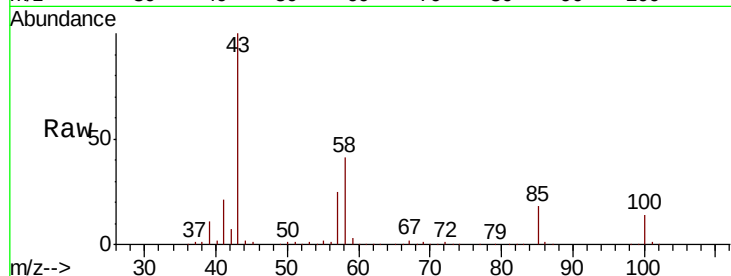
BFB

Tgt Ion: 43 Resp: 572340

Ion Ratio Lower Upper

43 100

58 41.4 33.9 50.9



Abundance Ion 43.00 (42.70 to 43.70): VU028998.D (-1945) (-)

Ion 58.00 (57.70 to 58.70): VU028998.D (-1945) (-)

7.46

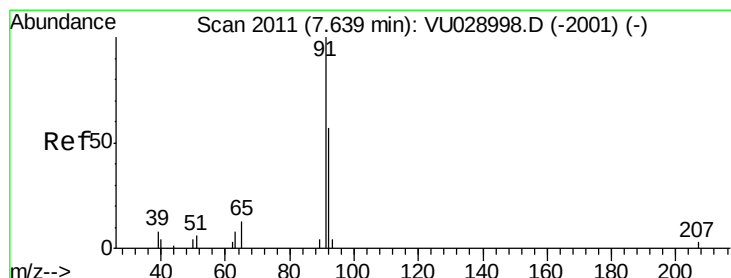
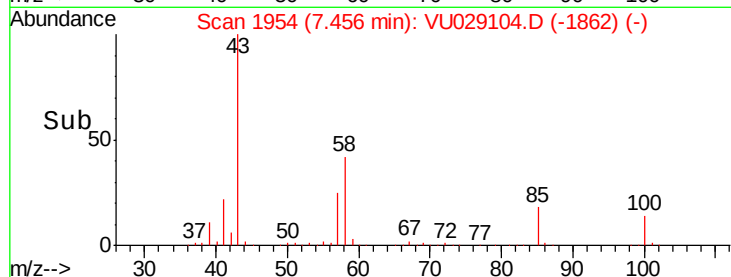
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 50.931 ug/l

RT: 7.63 min Scan# 2009

Delta R.T. -0.00 min

Lab File: VU029104.D

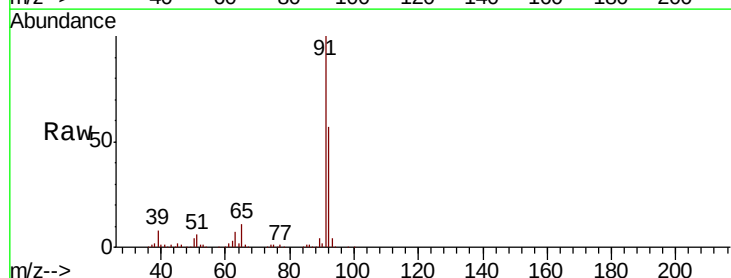
Acq: 10 Jan 2019 09:19

Tgt Ion: 92 Resp: 175825

Ion Ratio Lower Upper

92 100

91 173.6 139.8 209.8



Abundance Ion 92.00 (91.70 to 92.70): VU028998.D (-2001) (-)

Ion 91.00 (90.70 to 91.70): VU028998.D (-2001) (-)

7.63

200000

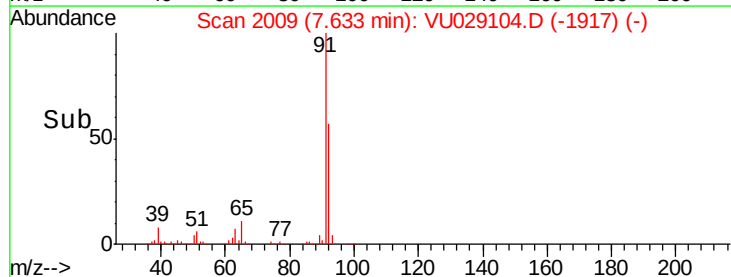
150000

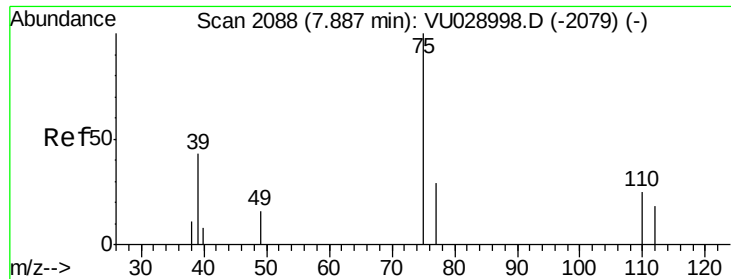
100000

50000

0

Time-->

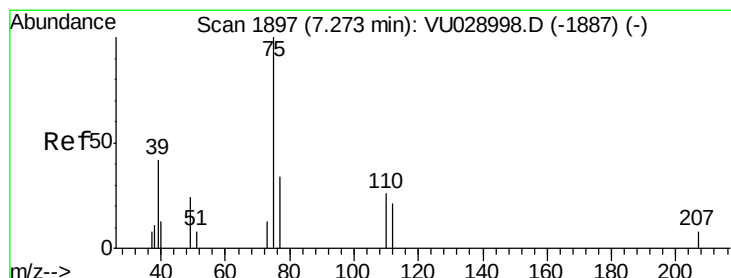
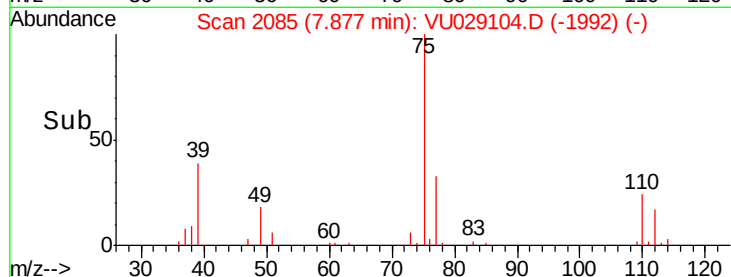
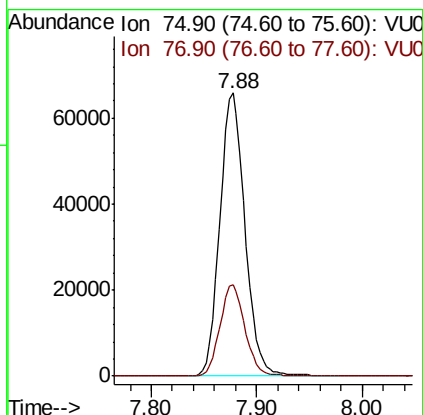
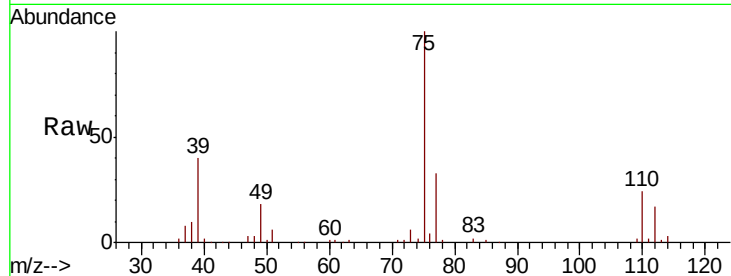




#53
t-1,3-Dichloropropene
Concen: 51.343 ug/l
RT: 7.88 min Scan# 2085
Delta R.T. 0.00 min
Lab File: VU029104.D
Acq: 10 Jan 2019 09:19

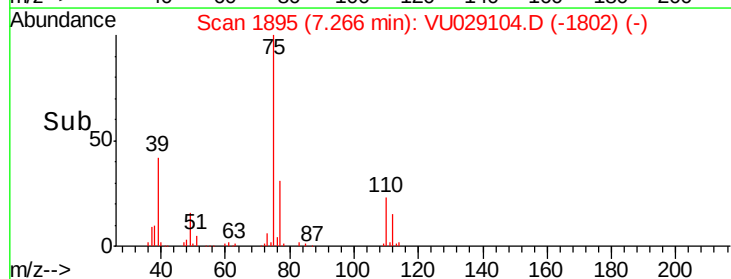
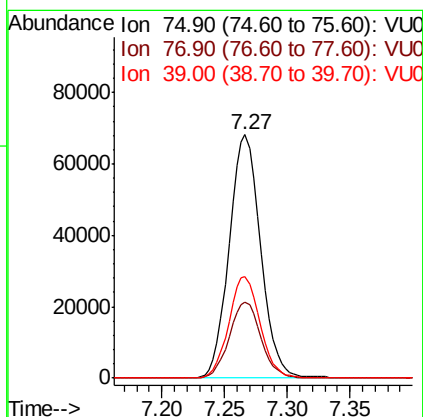
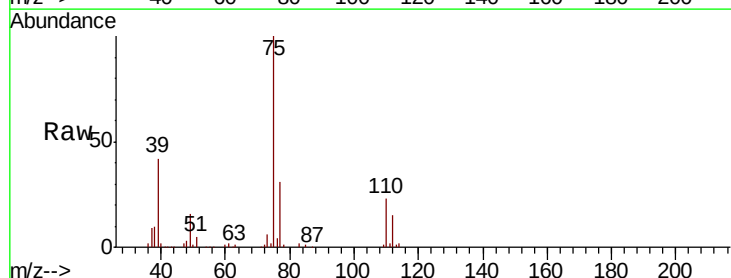
Instrument :
MSVOA_U
ClientSampled :
BFB

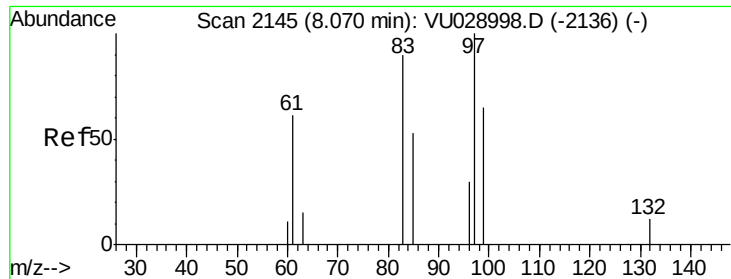
Tgt Ion: 75 Resp: 108709
Ion Ratio Lower Upper
75 100
77 32.5 25.0 37.4



#54
cis-1,3-Dichloropropene
Concen: 51.878 ug/l
RT: 7.27 min Scan# 1895
Delta R.T. 0.00 min
Lab File: VU029104.D
Acq: 10 Jan 2019 09:19

Tgt Ion: 75 Resp: 118692
Ion Ratio Lower Upper
75 100
77 31.3 25.0 37.6
39 41.8 32.2 48.4

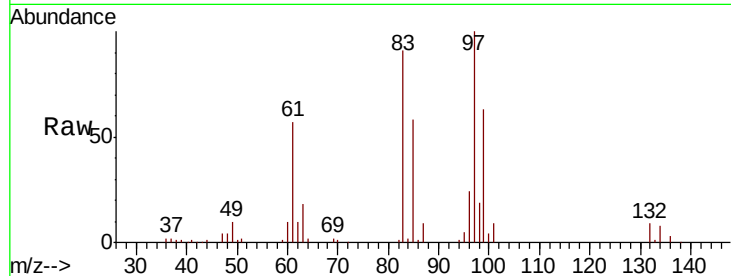




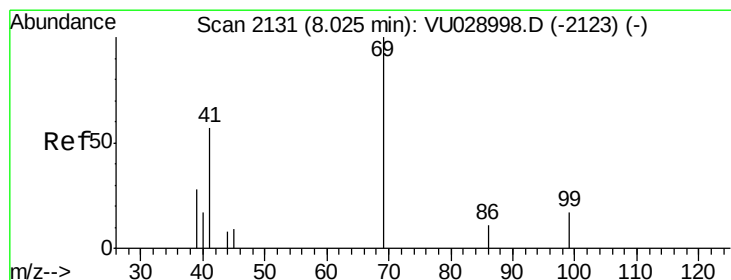
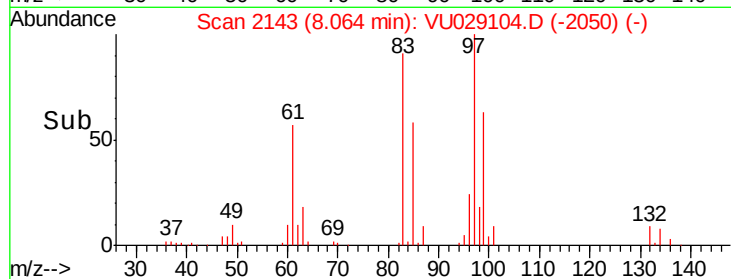
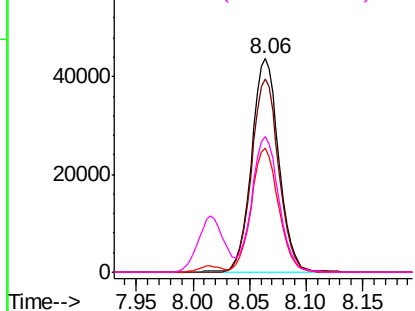
#55
 1,1,2-Trichloroethane
 Concen: 52.981 ug/l
 RT: 8.06 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VU029104.D
 Acq: 10 Jan 2019 09:19

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB

Tgt Ion: 97 Resp: 73273
 Ion Ratio Lower Upper
 97 100
 83 90.8 69.8 104.8
 85 57.9 47.3 70.9
 99 63.3 49.7 74.5

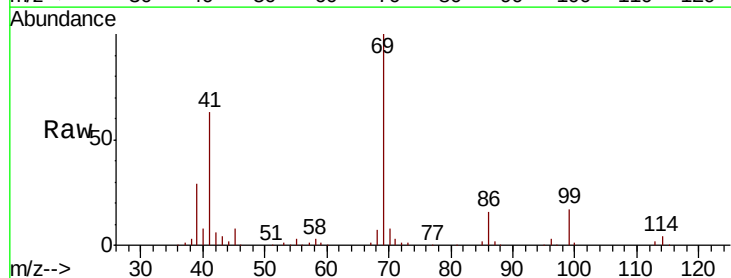


Abundance Ion 96.90 (96.60 to 97.60): VU0
 Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 98.90 (98.60 to 99.60): VU0

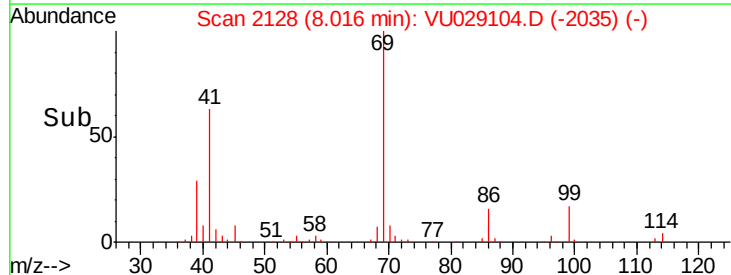
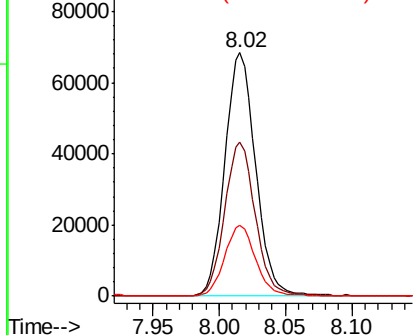


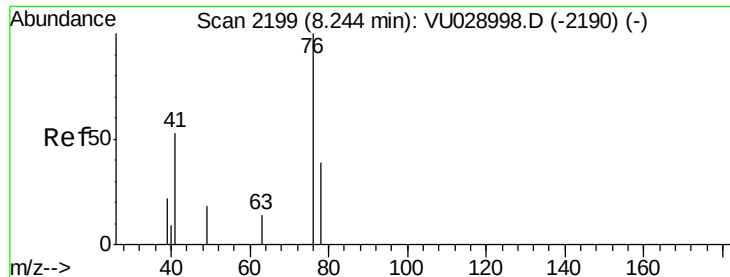
#56
 Ethyl methacrylate
 Concen: 51.772 ug/l
 RT: 8.02 min Scan# 2128
 Delta R.T. 0.00 min
 Lab File: VU029104.D
 Acq: 10 Jan 2019 09:19

Tgt Ion: 69 Resp: 110309
 Ion Ratio Lower Upper
 69 100
 41 63.1 47.5 71.3
 39 29.5 22.5 33.7



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

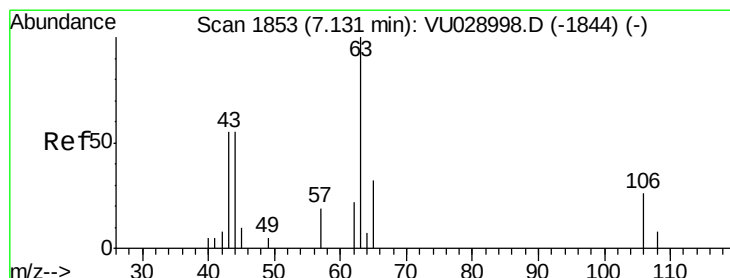
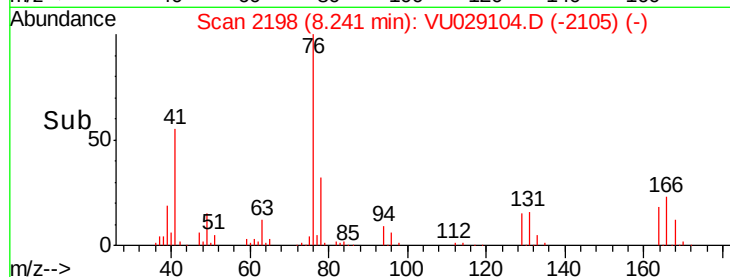
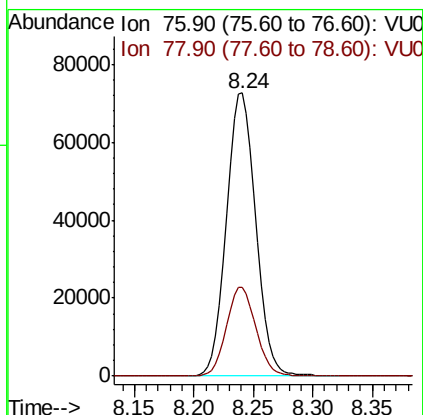
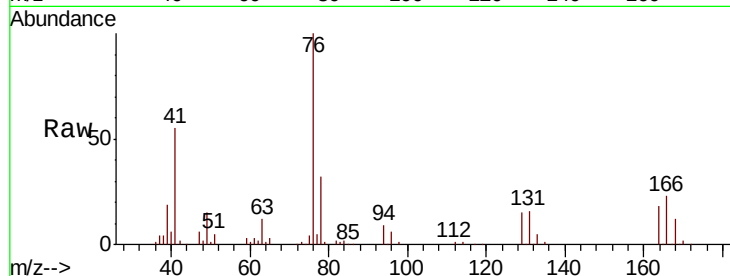




#57
 1,3-Dichloropropane
 Concen: 52.548 ug/l
 RT: 8.24 min Scan# 2198
 Delta R.T. 0.00 min
 Lab File: VU029104.D
 Acq: 10 Jan 2019 09:19

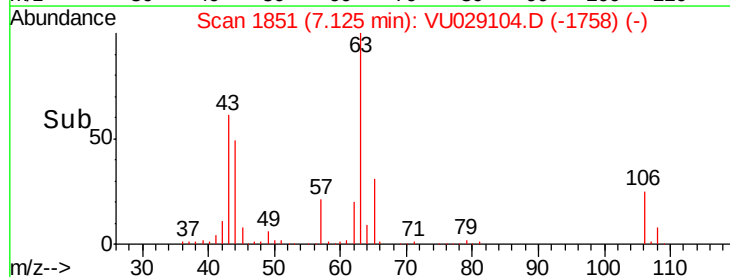
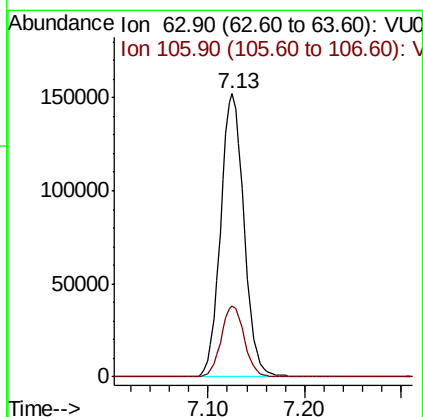
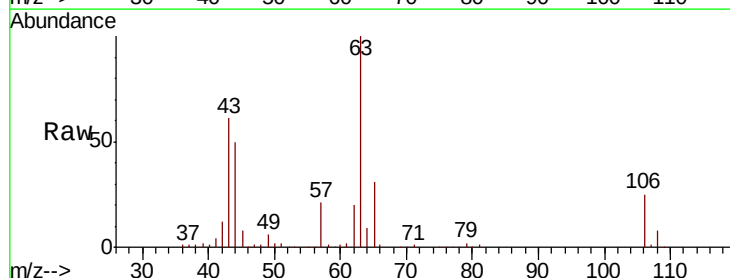
Instrument :
 MSVOA_U
 ClientSampled :
 BFB

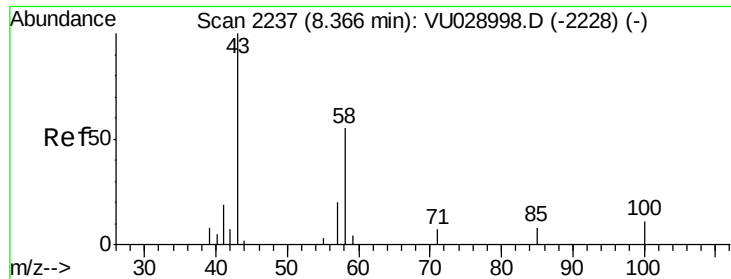
Tgt Ion: 76 Resp: 124353
 Ion Ratio Lower Upper
 76 100
 78 31.5 26.0 39.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 272.453 ug/l
 RT: 7.13 min Scan# 1851
 Delta R.T. 0.00 min
 Lab File: VU029104.D
 Acq: 10 Jan 2019 09:19

Tgt Ion: 63 Resp: 255296
 Ion Ratio Lower Upper
 63 100
 106 24.9 20.6 31.0

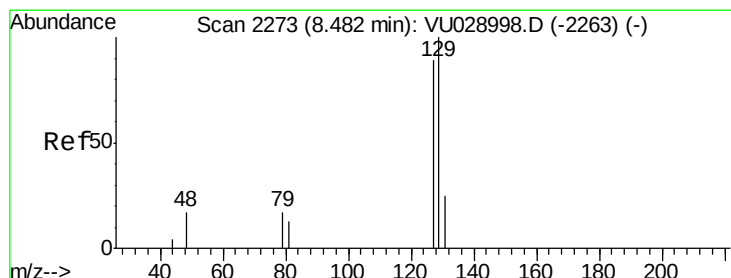
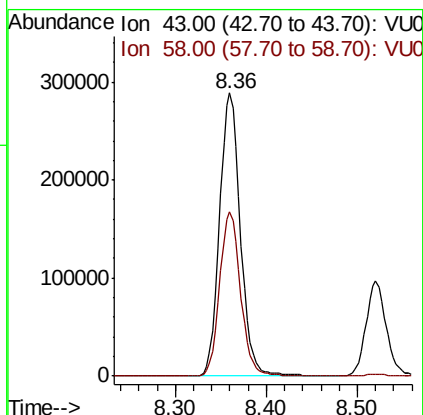
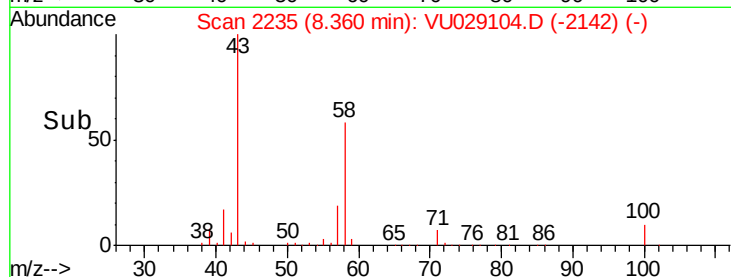
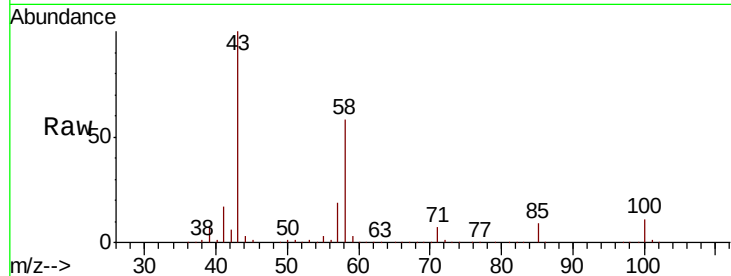




#59
2-Hexanone
Concen: 280.858 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. 0.00 min
Lab File: VU029104.D
Acq: 10 Jan 2019 09:19

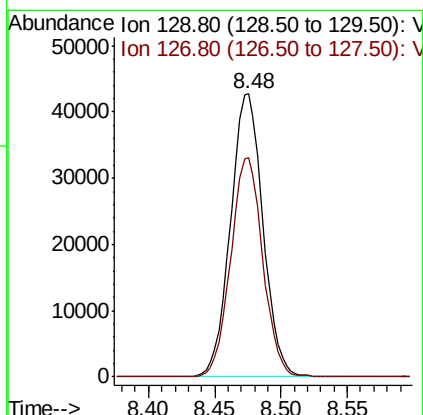
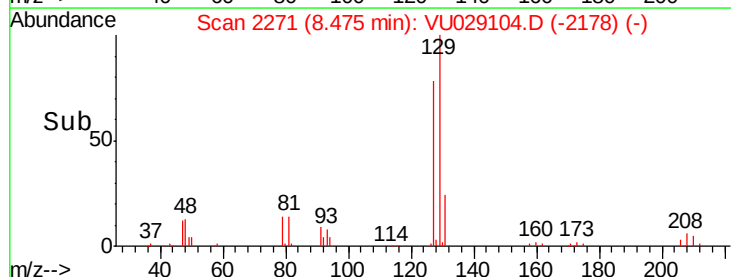
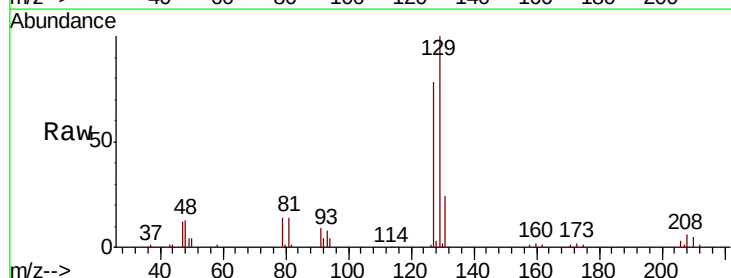
Instrument :
MSVOA_U
ClientSampled :
BFB

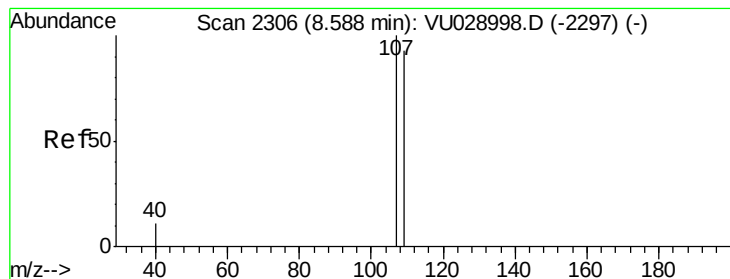
Tgt Ion: 43 Resp: 459284
Ion Ratio Lower Upper
43 100
58 58.2 29.8 89.4



#60
Dibromochloromethane
Concen: 53.054 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VU029104.D
Acq: 10 Jan 2019 09:19

Tgt Ion: 129 Resp: 72692
Ion Ratio Lower Upper
129 100
127 76.5 38.0 114.0





#61

1,2-Dibromoethane

Concen: 51.836 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. 0.00 min

Lab File: VU029104.D

Acq: 10 Jan 2019 09:19

Instrument :

MSVOA_U

ClientSampled :

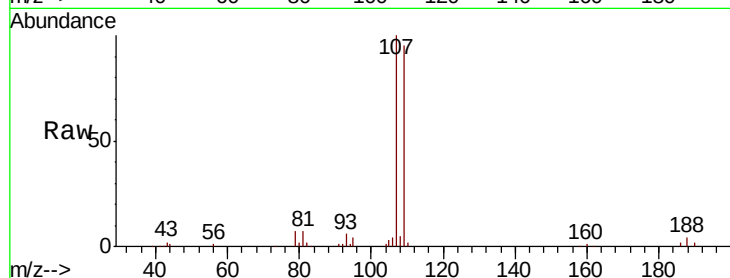
BFB

Tgt Ion: 107 Resp: 77751

Ion Ratio Lower Upper

107 100

109 95.0 75.5 113.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.58

50000

40000

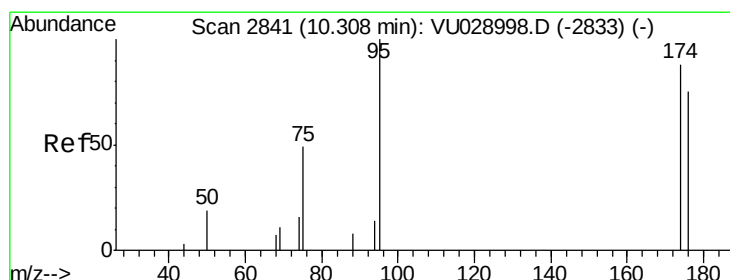
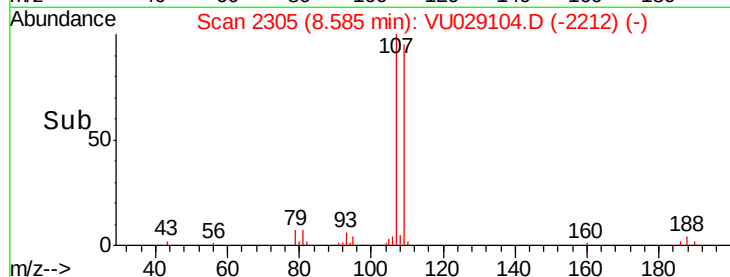
30000

20000

10000

0

Time--> 8.50 8.55 8.60 8.65



#62

4-Bromofluorobenzene

Concen: 50.439 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. 0.00 min

Lab File: VU029104.D

Acq: 10 Jan 2019 09:19

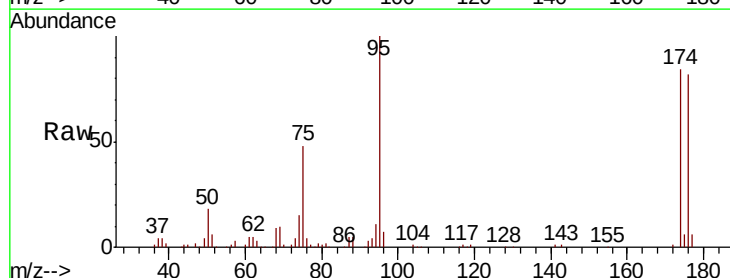
Tgt Ion: 95 Resp: 84373

Ion Ratio Lower Upper

95 100

174 84.9 0.0 170.6

176 82.7 0.0 165.0



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

10.30

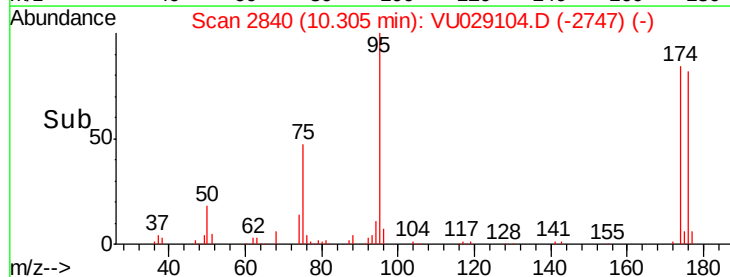
60000

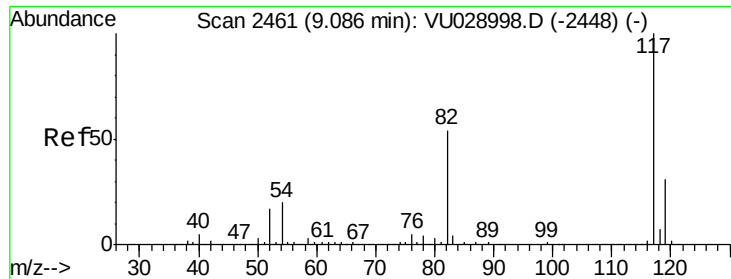
40000

20000

0

Time--> 10.30 10.40

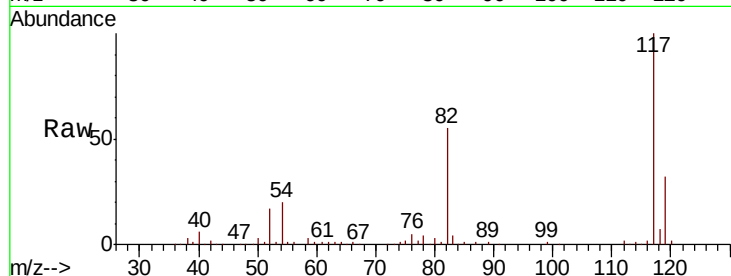




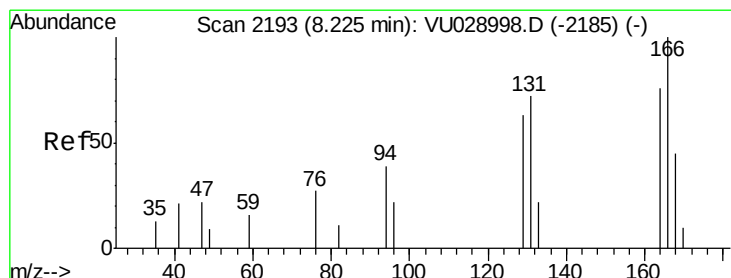
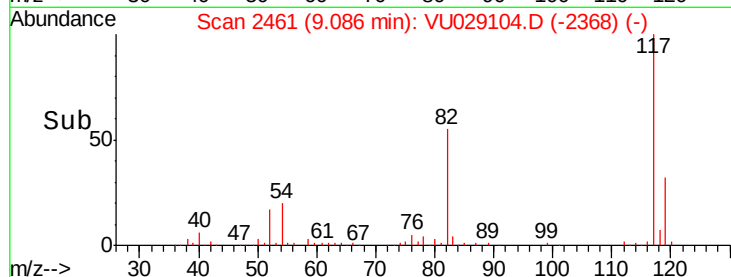
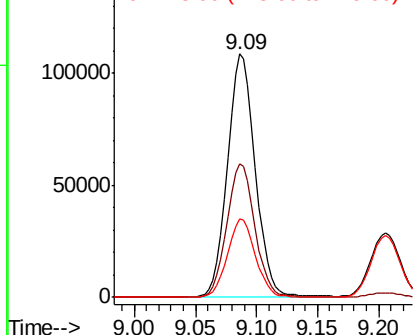
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2461
Delta R.T. 0.00 min
Lab File: VU029104.D
Acq: 10 Jan 2019 09:19

Instrument :
MSVOA_U
ClientSampled :
BFB

Tgt Ion:117 Resp: 173878
Ion Ratio Lower Upper
117 100
82 55.1 43.9 65.9
119 32.1 26.0 39.0

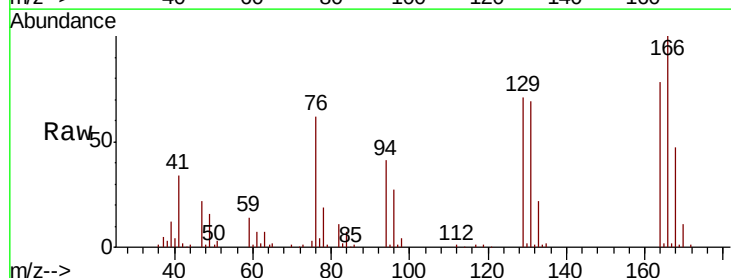


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU029104.D (-2368) (-)
Ion 118.90 (118.60 to 119.60): V

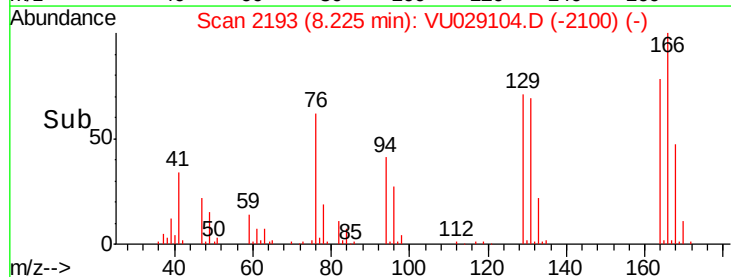
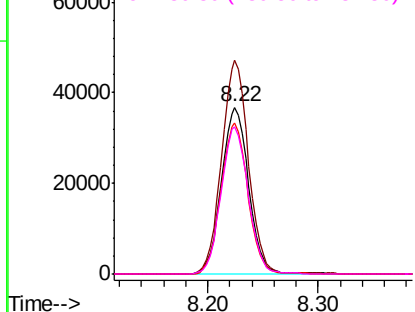


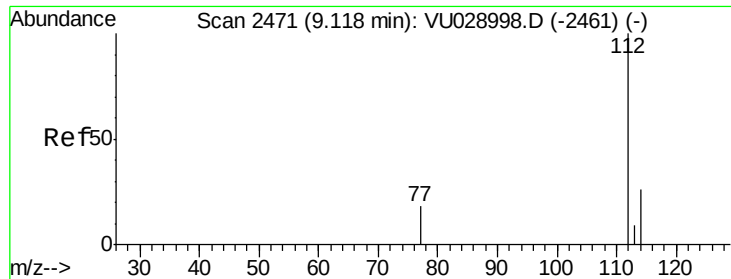
#64
Tetrachloroethene
Concen: 50.038 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VU029104.D
Acq: 10 Jan 2019 09:19

Tgt Ion:164 Resp: 62674
Ion Ratio Lower Upper
164 100
166 128.3 99.4 149.0
129 90.9 70.5 105.7
131 88.6 69.0 103.6



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

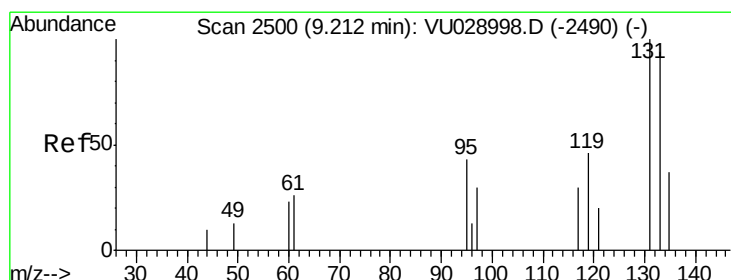
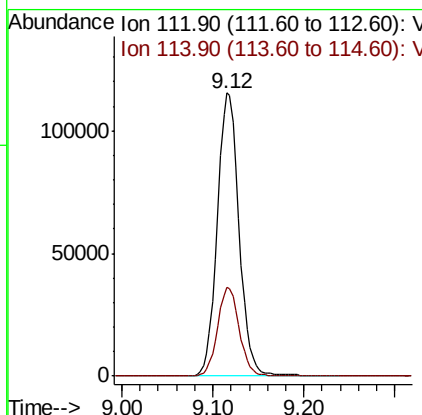
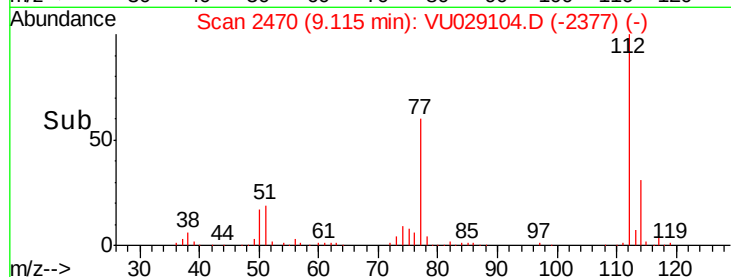
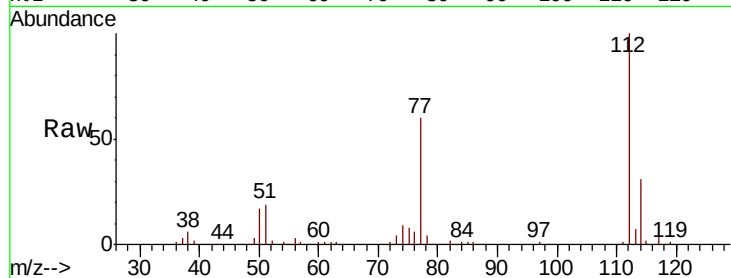




#65
Chlorobenzene
Concen: 49.196 ug/l
RT: 9.12 min Scan# 2470
Delta R.T. 0.00 min
Lab File: VU029104.D
Acq: 10 Jan 2019 09:19

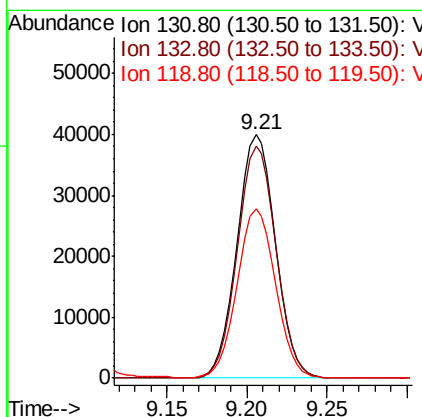
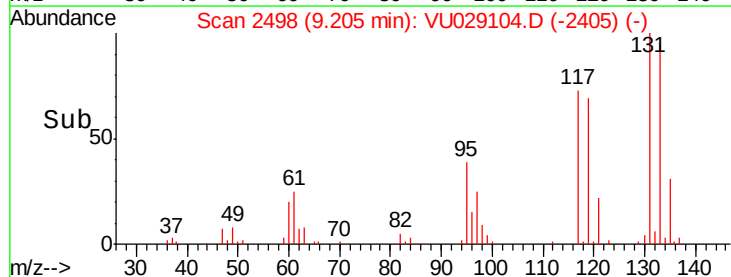
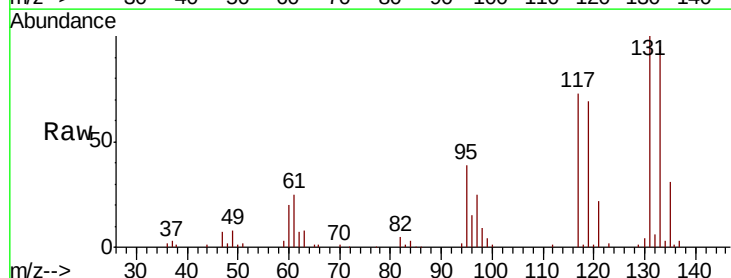
Instrument :
MSVOA_U
ClientSampled :
BFB

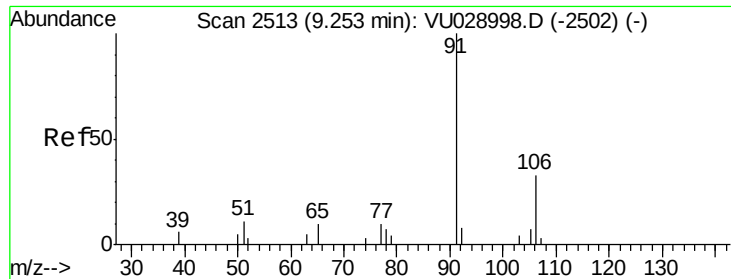
Tgt Ion:112 Resp: 191742
Ion Ratio Lower Upper
112 100
114 31.5 25.0 37.6



#66
1,1,1,2-Tetrachloroethane
Concen: 51.712 ug/l
RT: 9.21 min Scan# 2498
Delta R.T. 0.00 min
Lab File: VU029104.D
Acq: 10 Jan 2019 09:19

Tgt Ion:131 Resp: 65408
Ion Ratio Lower Upper
131 100
133 95.5 48.2 144.6
119 69.7 35.4 106.3





#67

Ethyl Benzene

Concen: 50.701 ug/l

RT: 9.25 min Scan# 2511

Delta R.T. 0.00 min

Lab File: VU029104.D

Acq: 10 Jan 2019 09:19

Instrument :

MSVOA_U

ClientSampleId :

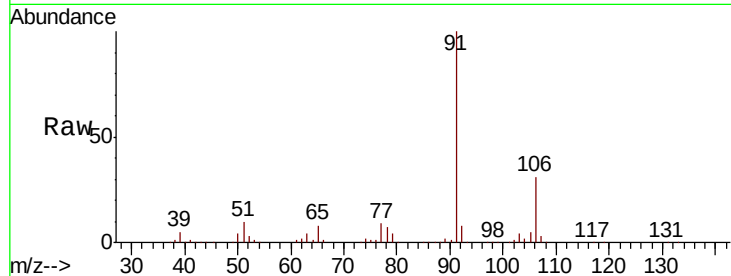
BFB

Tgt Ion: 91 Resp: 329918

Ion Ratio Lower Upper

91 100

106 31.2 25.0 37.4



Abundance Ion 91.00 (90.70 to 91.70): VU028998.D (-2502) (-)

Ion 106.00 (105.70 to 106.70): VU028998.D (-2502) (-)

300000

200000

100000

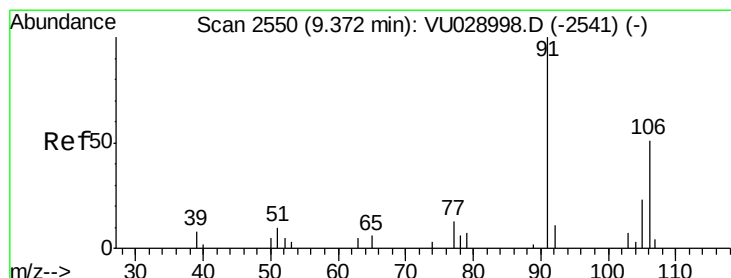
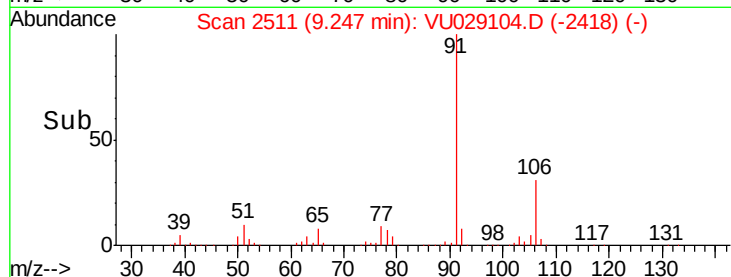
0

9.25

9.30

9.35

Time-->



#68

m/p-Xylenes

Concen: 103.068 ug/l

RT: 9.37 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VU029104.D

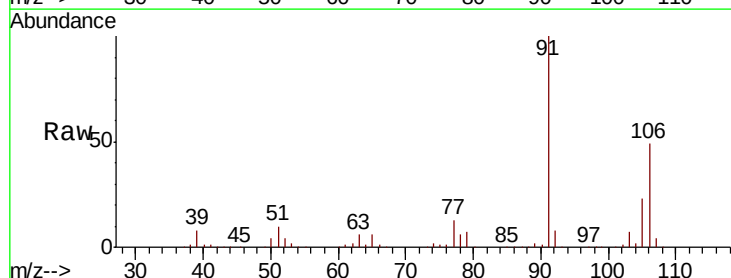
Acq: 10 Jan 2019 09:19

Tgt Ion: 106 Resp: 260592

Ion Ratio Lower Upper

106 100

91 200.8 161.7 242.5



Abundance Ion 106.00 (105.70 to 106.70): VU028998.D (-2541) (-)

Ion 91.00 (90.70 to 91.70): VU028998.D (-2541) (-)

300000

200000

100000

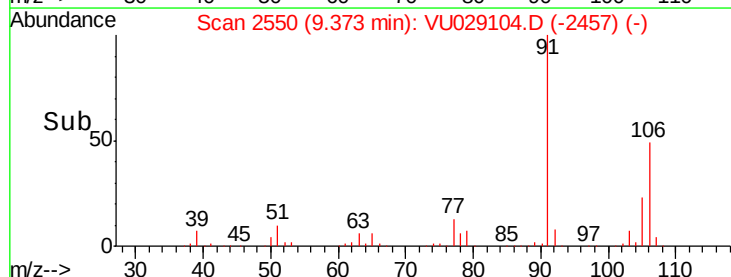
0

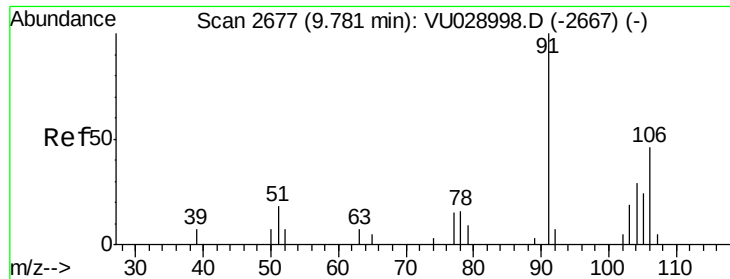
9.37

9.40

9.50

Time-->

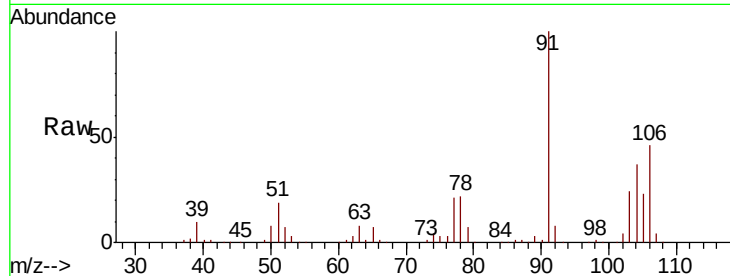




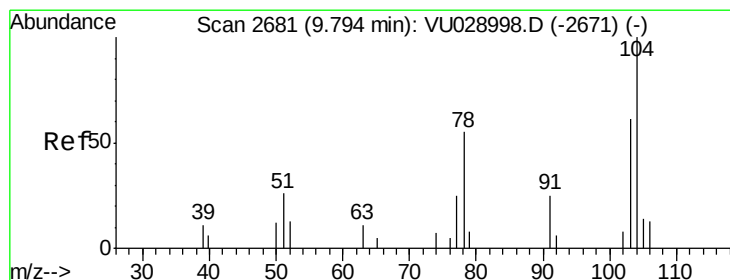
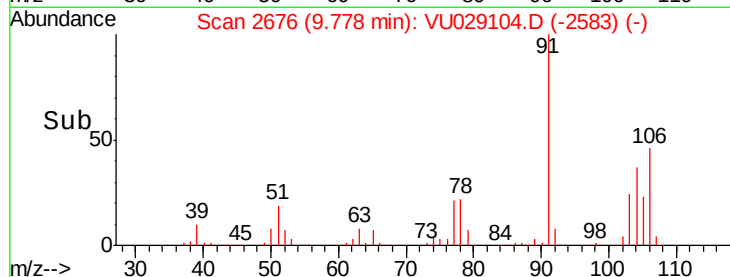
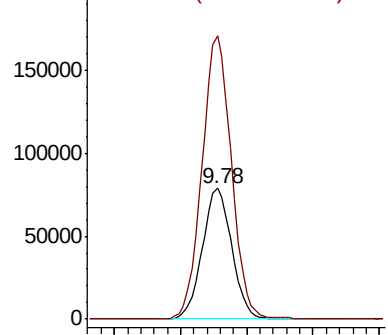
#69
o-Xylene
Concen: 49.987 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VU029104.D
Acq: 10 Jan 2019 09:19

Instrument :
MSVOA_U
ClientSampleId :
BFB

Tgt Ion:106 Resp: 121776
Ion Ratio Lower Upper
106 100
91 216.1 106.1 318.3

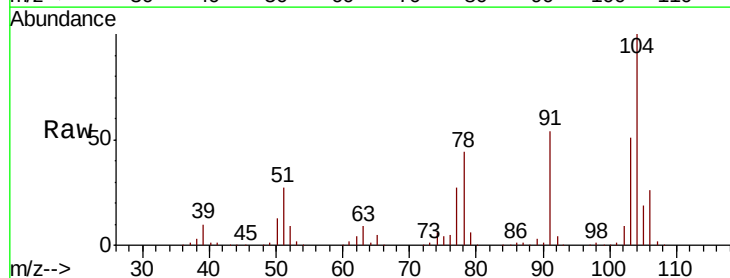


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

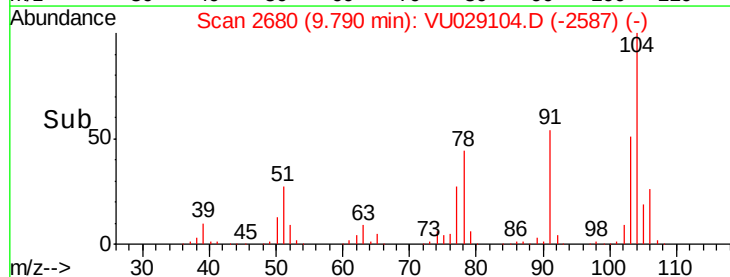
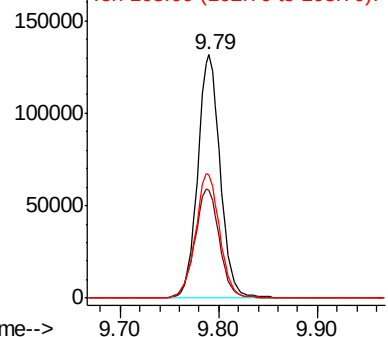


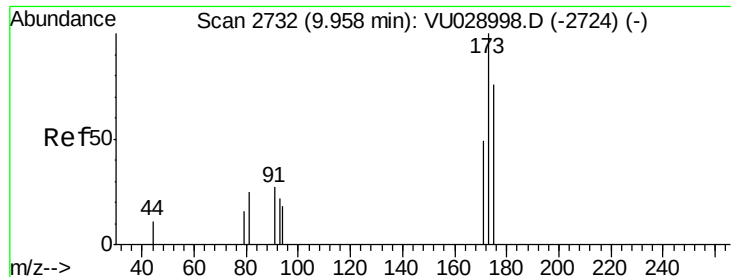
#70
Styrene
Concen: 52.500 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. 0.00 min
Lab File: VU029104.D
Acq: 10 Jan 2019 09:19

Tgt Ion:104 Resp: 209669
Ion Ratio Lower Upper
104 100
78 49.0 38.6 58.0
103 55.1 44.5 66.7



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





#71

Bromoform

Concen: 53.167 ug/l

RT: 9.95 min Scan# 2731

Delta R.T. 0.00 min

Lab File: VU029104.D

Acq: 10 Jan 2019 09:19

Instrument :

MSVOA_U

ClientSampleId :

BFB

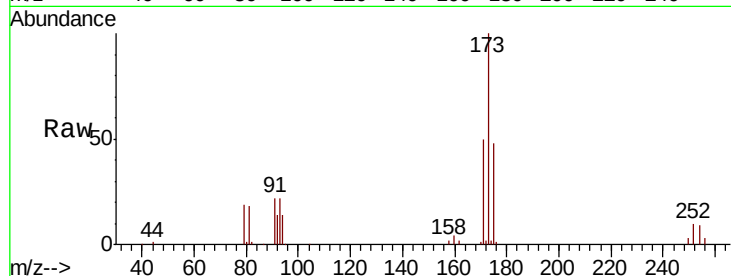
Tgt Ion:173 Resp: 59878

Ion Ratio Lower Upper

173 100

175 48.4 23.8 71.2

254 0.0 0.0 0.0

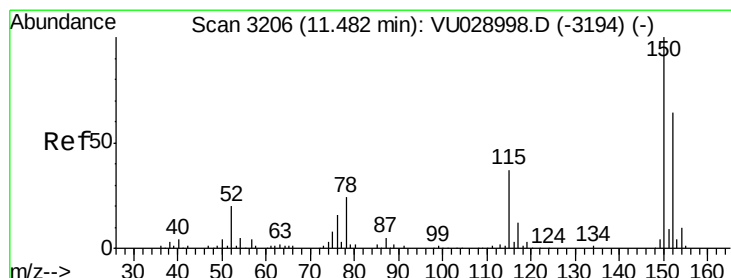
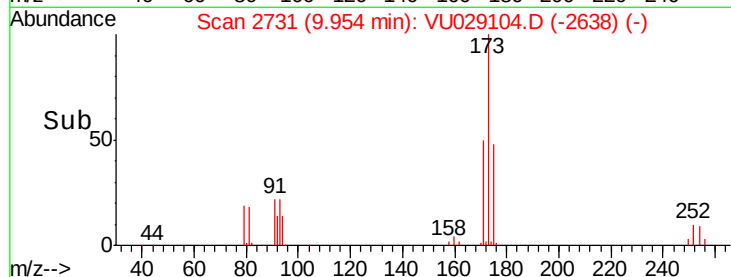
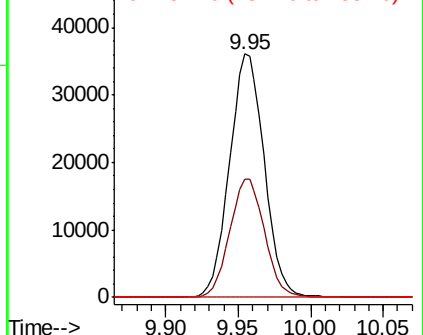


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. 0.00 min

Lab File: VU029104.D

Acq: 10 Jan 2019 09:19

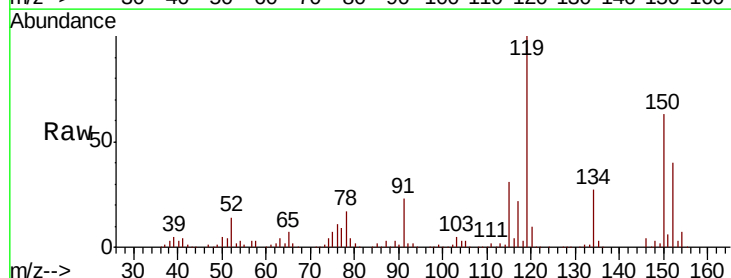
Tgt Ion:152 Resp: 90002

Ion Ratio Lower Upper

152 100

115 83.1 40.1 120.3

150 175.9 0.0 345.2

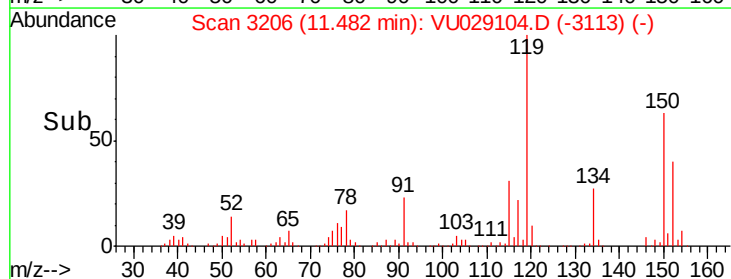
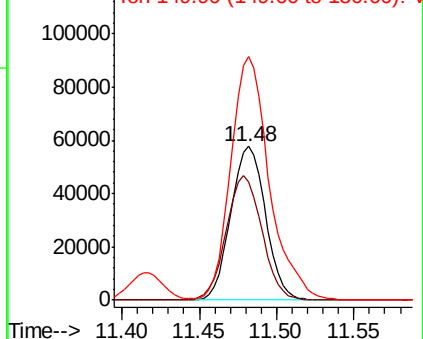


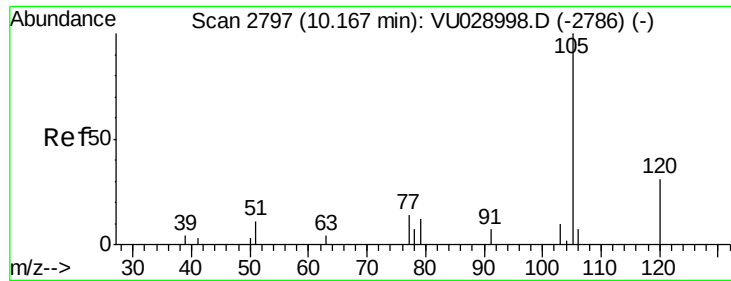
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

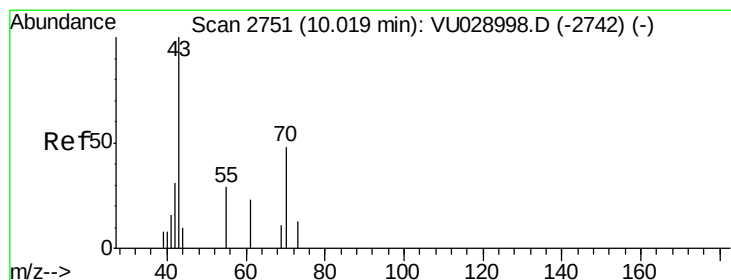
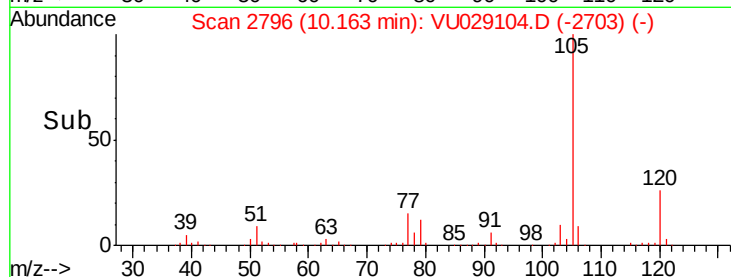
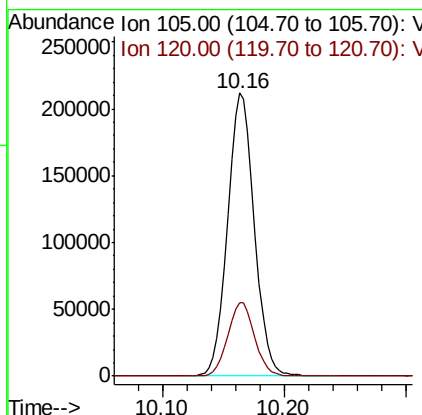
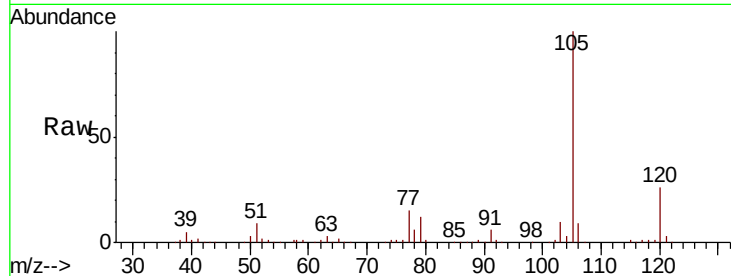




#73
Isopropylbenzene
Concen: 48.814 ug/l
RT: 10.16 min Scan# 2796
Delta R.T. 0.00 min
Lab File: VU029104.D
Acq: 10 Jan 2019 09:19

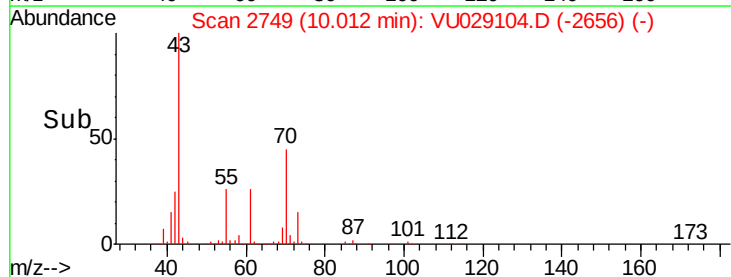
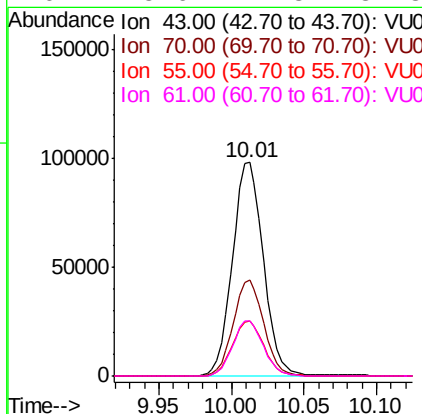
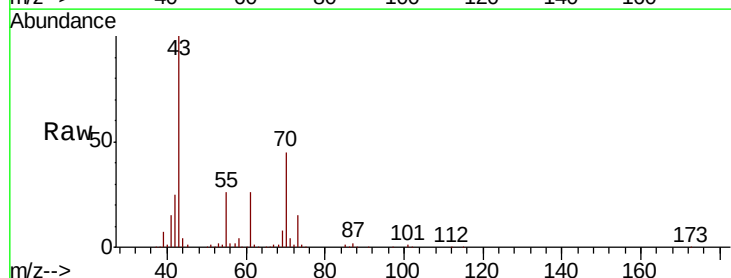
Instrument :
MSVOA_U
ClientSampleId :
BFB

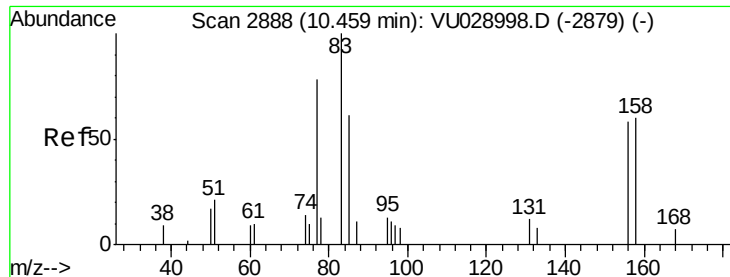
Tgt Ion: 105 Resp: 325185
Ion Ratio Lower Upper
105 100
120 26.2 13.2 39.5



#74
N-ethyl acetate
Concen: 50.492 ug/l
RT: 10.01 min Scan# 2749
Delta R.T. 0.00 min
Lab File: VU029104.D
Acq: 10 Jan 2019 09:19

Tgt Ion: 43 Resp: 144943
Ion Ratio Lower Upper
43 100
70 44.2 36.3 54.5
55 26.1 20.5 30.7
61 25.6 21.8 32.8





#75

1,1,2,2-Tetrachloroethane

Concen: 48.824 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VU029104.D

Acq: 10 Jan 2019 09:19

Instrument :

MSVOA_U

ClientSampled :

BFB

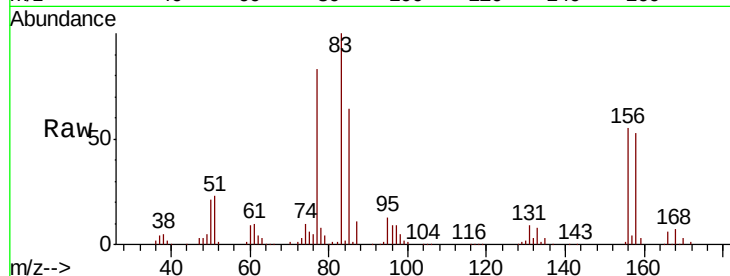
Tgt Ion: 83 Resp: 130355

Ion Ratio Lower Upper

83 100

131 8.8 4.7 14.1

85 65.2 32.0 96.2

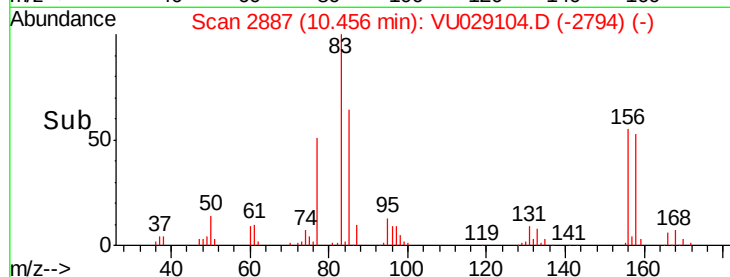


Abundance Ion 82.90 (82.60 to 83.60): VU028998.D (-2879) (-)

Ion 130.80 (130.50 to 131.50): VU028998.D (-2879) (-)

Ion 84.90 (84.60 to 85.60): VU028998.D (-2879) (-)

Time-->

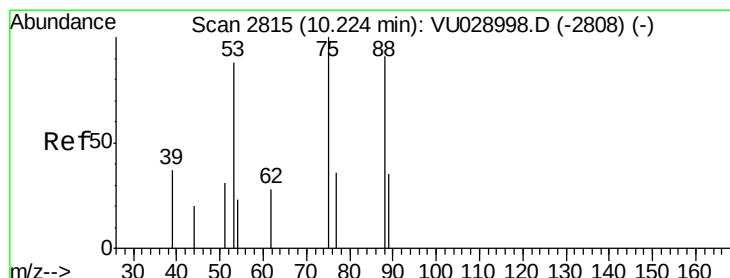


Abundance Ion 82.90 (82.60 to 83.60): VU029104.D (-2794) (-)

Ion 130.80 (130.50 to 131.50): VU029104.D (-2794) (-)

Ion 84.90 (84.60 to 85.60): VU029104.D (-2794) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 68.912 ug/l

RT: 10.49 min Scan# 2898

Delta R.T. 0.00 min

Lab File: VU029104.D

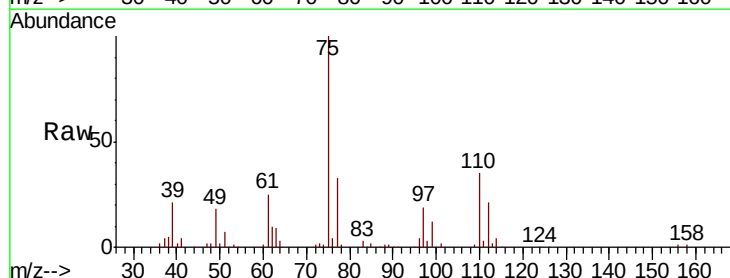
Acq: 10 Jan 2019 09:19

Tgt Ion: 75 Resp: 151964

Ion Ratio Lower Upper

75 100

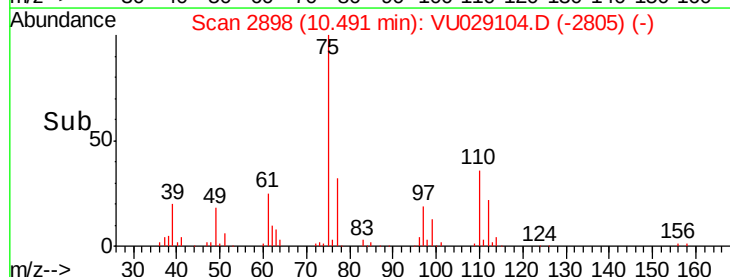
77 30.0 20.9 62.8



Abundance Ion 74.90 (74.60 to 75.60): VU028998.D (-2808) (-)

Ion 77.00 (76.70 to 77.70): VU028998.D (-2808) (-)

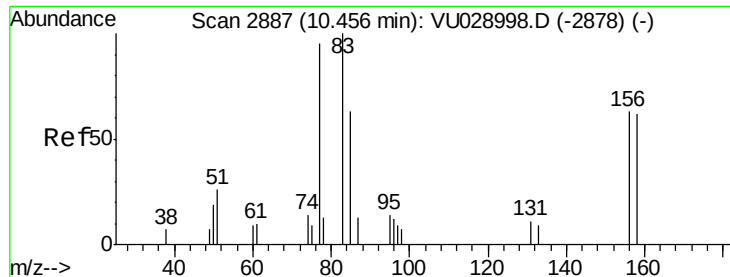
Time-->



Abundance Ion 74.90 (74.60 to 75.60): VU029104.D (-2805) (-)

Ion 77.00 (76.70 to 77.70): VU029104.D (-2805) (-)

Time-->



#77

Bromobenzene

Concen: 48.039 ug/l

RT: 10.45 min Scan# 2885

Delta R.T. 0.00 min

Lab File: VU029104.D

Acq: 10 Jan 2019 09:19

Instrument :

MSVOA_U

ClientSampled :

BFB

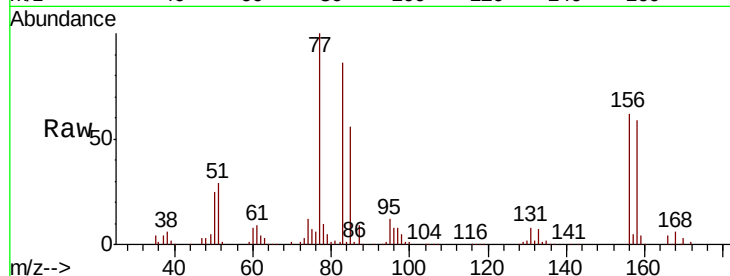
Tgt Ion:156 Resp: 83397

Ion Ratio Lower Upper

156 100

77 160.7 79.0 237.2

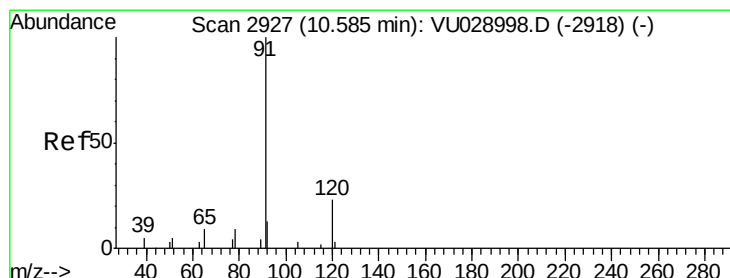
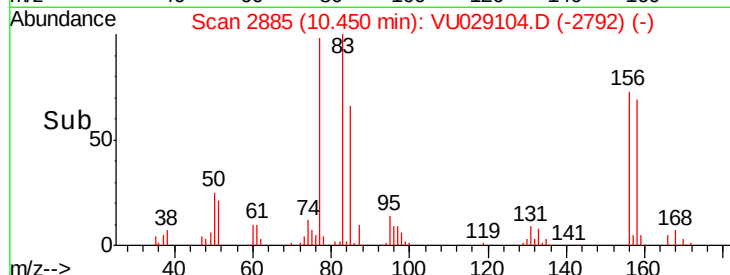
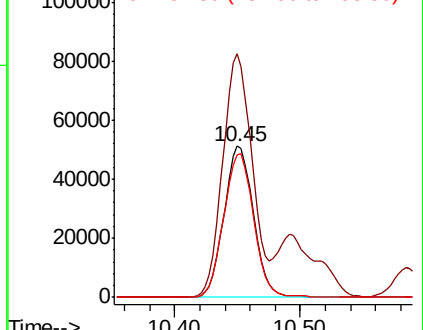
158 96.5 48.9 146.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.043 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. 0.00 min

Lab File: VU029104.D

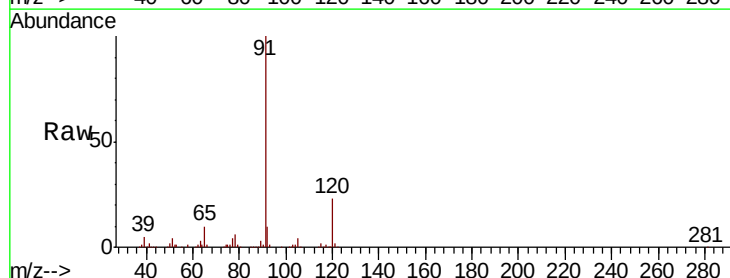
Acq: 10 Jan 2019 09:19

Tgt Ion: 91 Resp: 400727

Ion Ratio Lower Upper

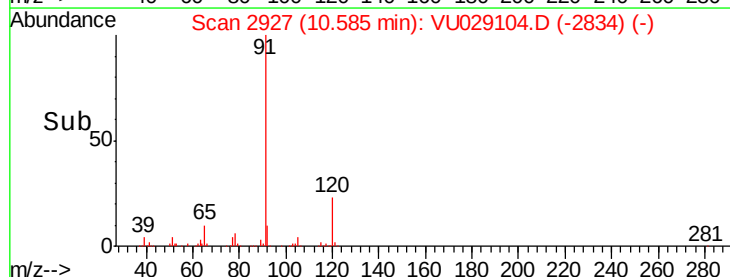
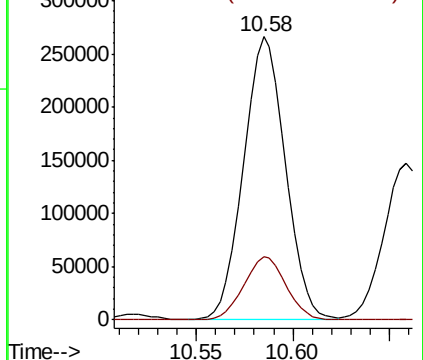
91 100

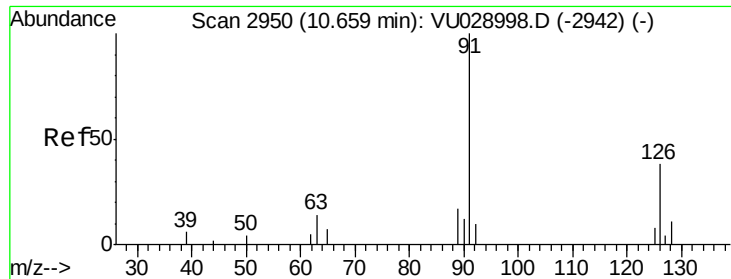
120 22.5 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

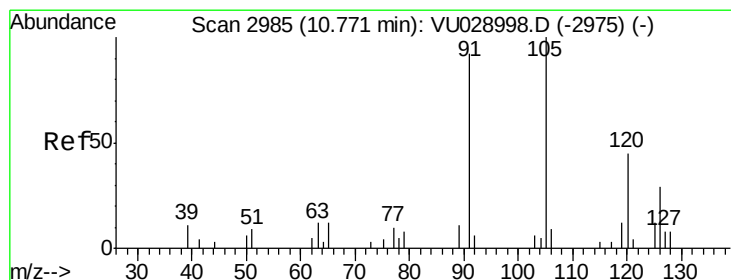
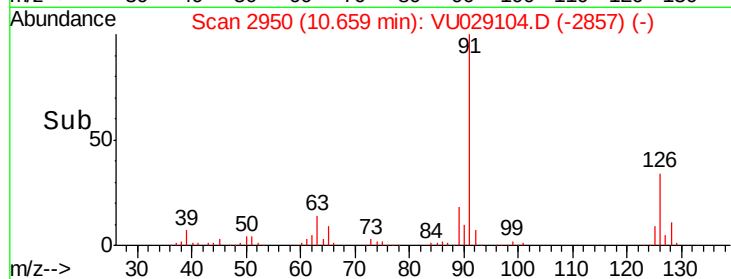
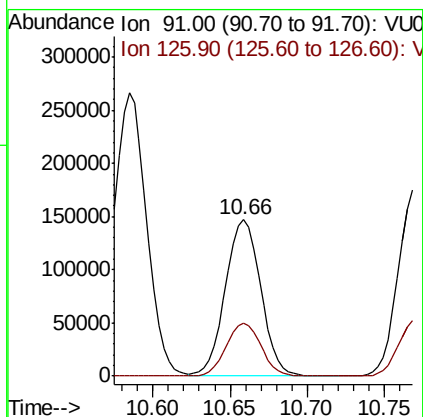
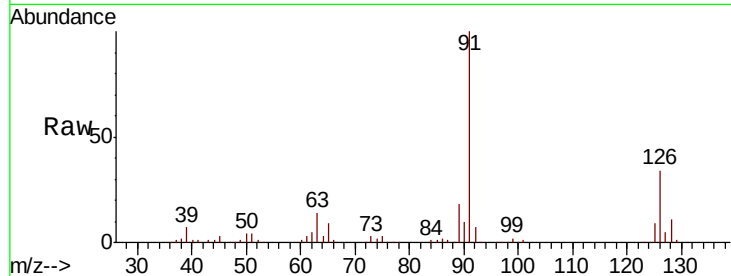




#79
 2-Chlorotoluene
 Concen: 49.155 ug/l
 RT: 10.66 min Scan# 2950
 Delta R.T. 0.00 min
 Lab File: VU029104.D
 Acq: 10 Jan 2019 09:19

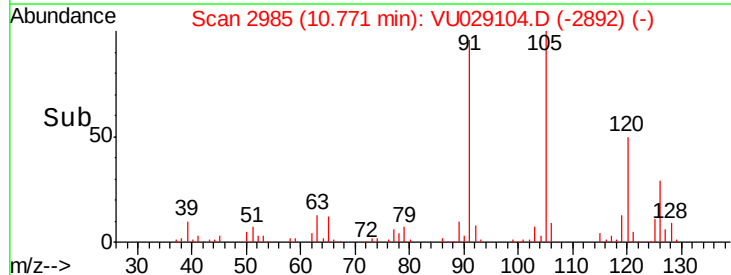
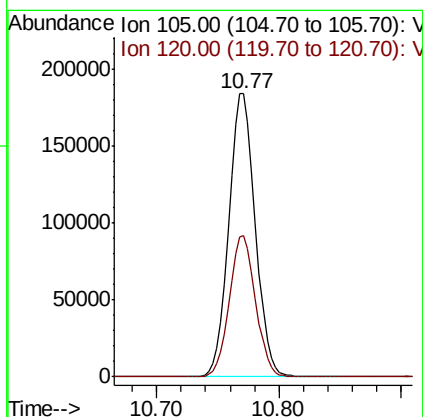
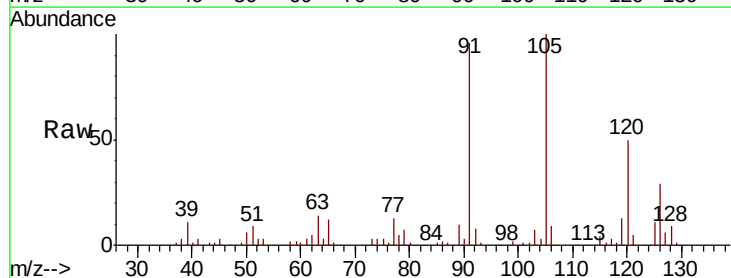
Instrument :
 MSVOA_U
 ClientSampled :
 BFB

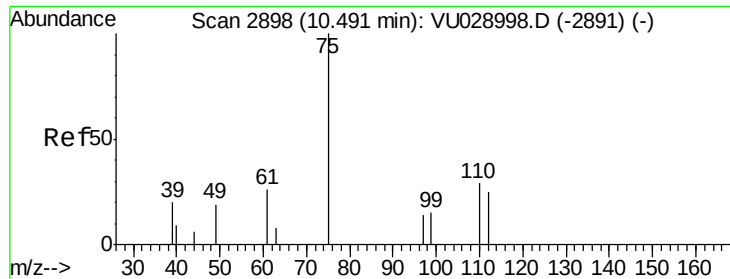
Tgt Ion: 91 Resp: 234093
 Ion Ratio Lower Upper
 91 100
 126 33.5 16.8 50.4



#80
 1,3,5-Trimethylbenzene
 Concen: 50.022 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. 0.00 min
 Lab File: VU029104.D
 Acq: 10 Jan 2019 09:19

Tgt Ion: 105 Resp: 278274
 Ion Ratio Lower Upper
 105 100
 120 49.5 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 177.727 ug/l

RT: 10.49 min Scan# 2898

Delta R.T. -0.02 min

Lab File: VU029104.D

Acq: 10 Jan 2019 09:19

Instrument :

MSVOA_U

ClientSampleId :

BFB

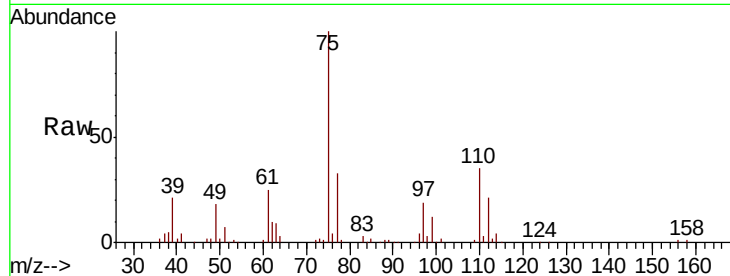
Tgt Ion: 75 Resp: 151964

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

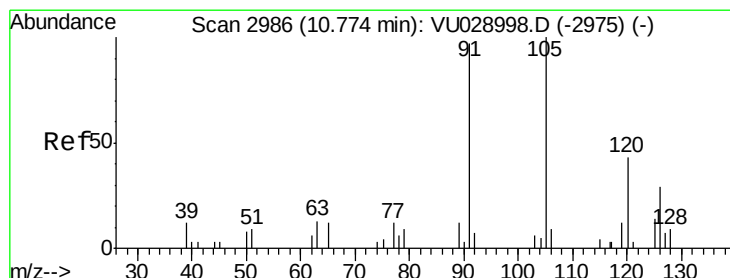
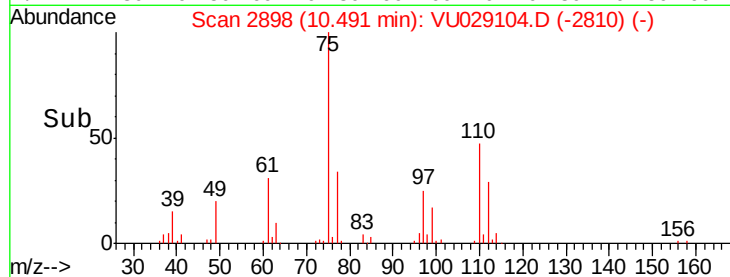
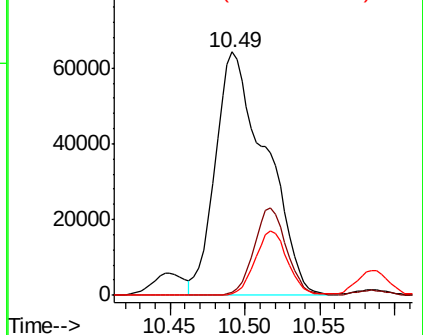
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0



#82

4-Chlorotoluene

Concen: 49.308 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU029104.D

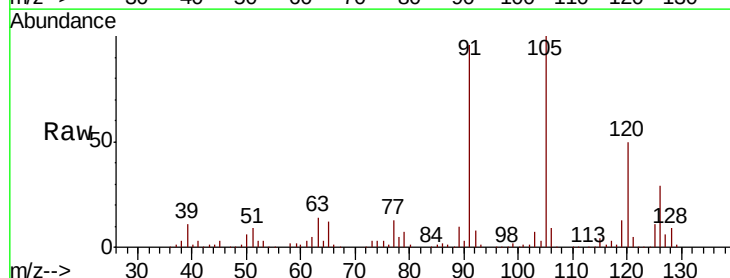
Acq: 10 Jan 2019 09:19

Tgt Ion: 91 Resp: 269263

Ion Ratio Lower Upper

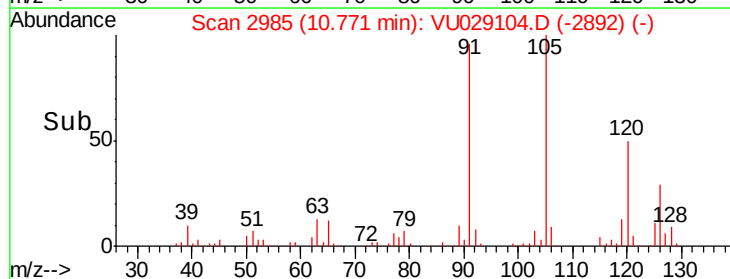
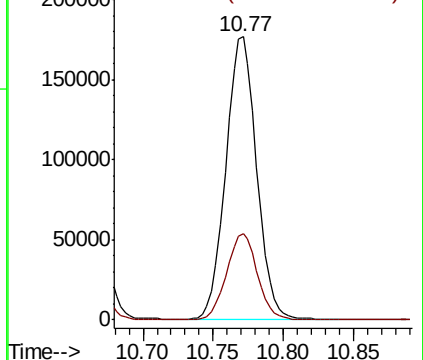
91 100

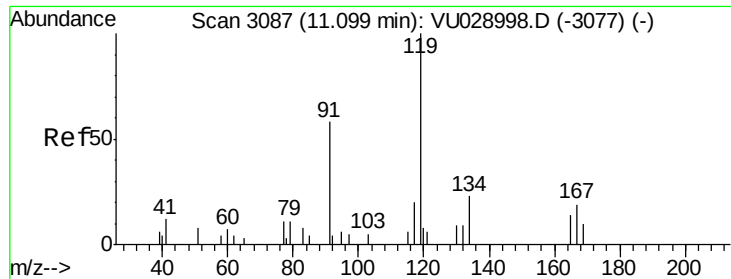
126 30.5 15.5 46.5



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 125.90 (125.60 to 126.60): V

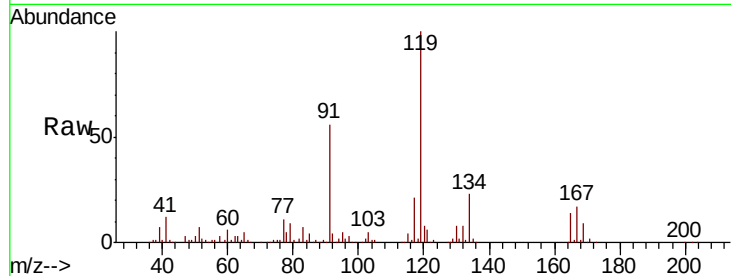




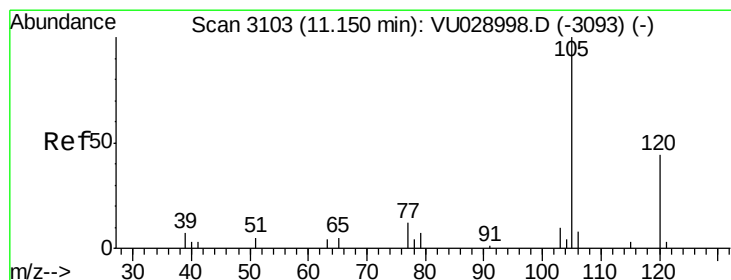
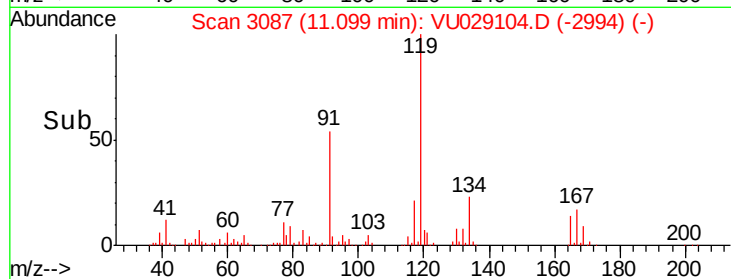
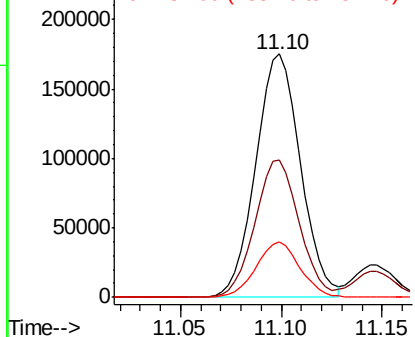
#83
 tert-Butylbenzene
 Concen: 49.586 ug/l
 RT: 11.10 min Scan# 3087
 Delta R.T. 0.00 min
 Lab File: VU029104.D
 Acq: 10 Jan 2019 09:19

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB

Tgt Ion:119 Resp: 271885
 Ion Ratio Lower Upper
 119 100
 91 55.5 28.2 84.6
 134 22.3 11.3 33.8

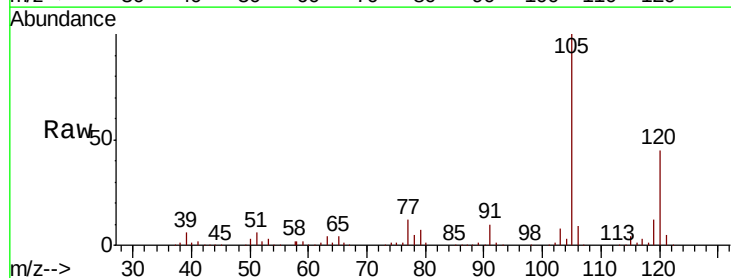


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VU0
 Ion 134.00 (133.70 to 134.70): V

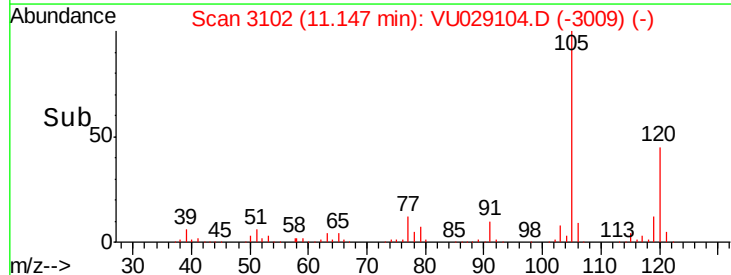
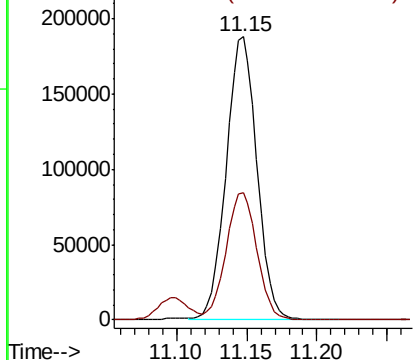


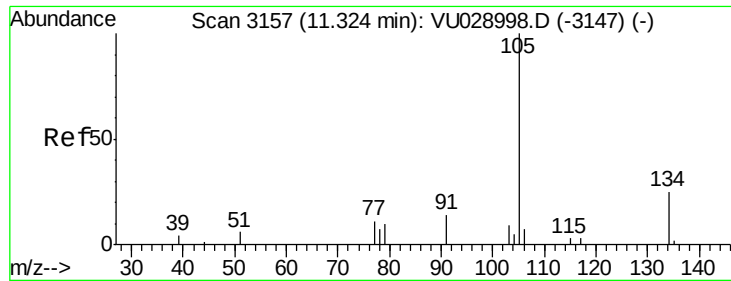
#84
 1,2,4-Trimethylbenzene
 Concen: 51.261 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. 0.00 min
 Lab File: VU029104.D
 Acq: 10 Jan 2019 09:19

Tgt Ion:105 Resp: 284713
 Ion Ratio Lower Upper
 105 100
 120 45.5 23.1 69.3



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

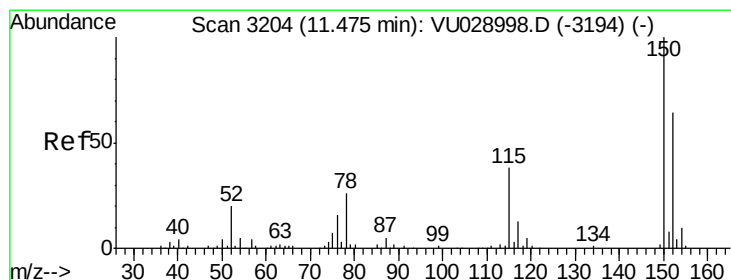
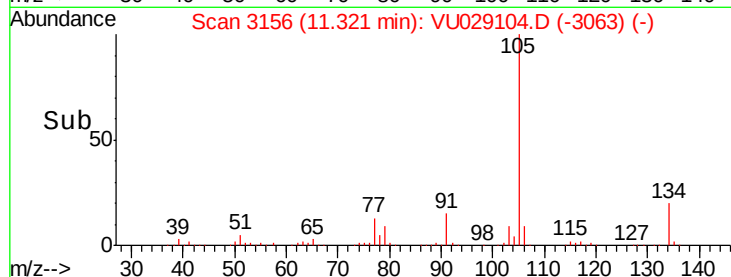
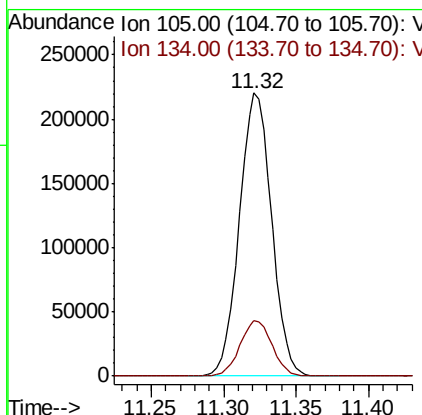
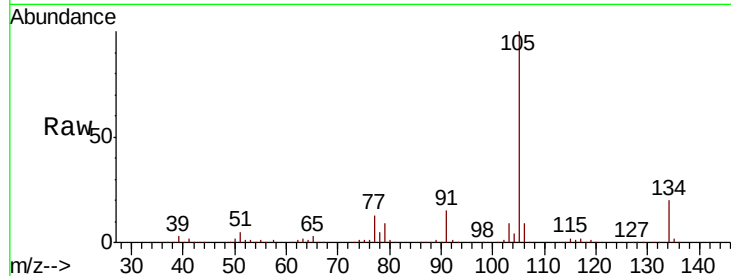




#85
 sec-Butylbenzene
 Concen: 51.238 ug/l
 RT: 11.32 min Scan# 3156
 Delta R.T. 0.00 min
 Lab File: VU029104.D
 Acq: 10 Jan 2019 09:19

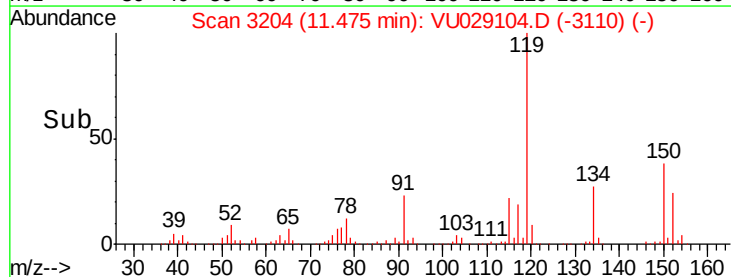
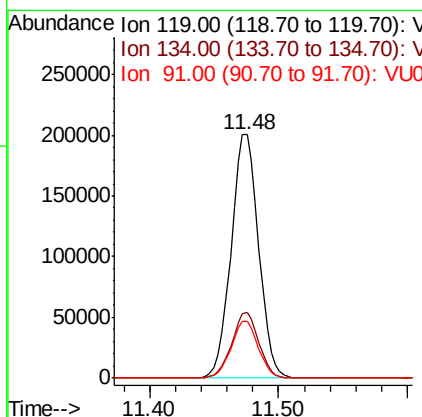
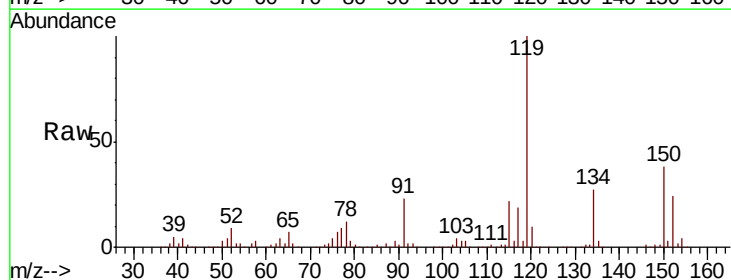
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB

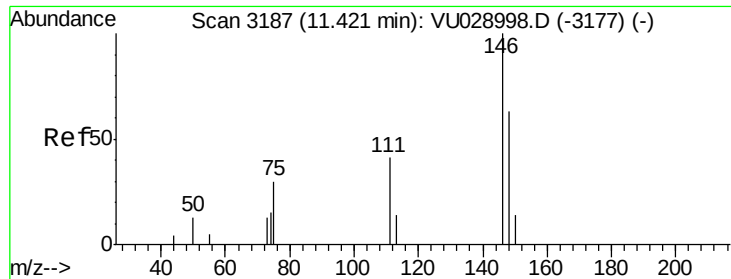
Tgt Ion:105 Resp: 339772
 Ion Ratio Lower Upper
 105 100
 134 19.5 9.7 29.1



#86
 p-Isopropyltoluene
 Concen: 52.420 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. 0.00 min
 Lab File: VU029104.D
 Acq: 10 Jan 2019 09:19

Tgt Ion:119 Resp: 296209
 Ion Ratio Lower Upper
 119 100
 134 26.5 13.5 40.4
 91 23.2 11.3 33.8

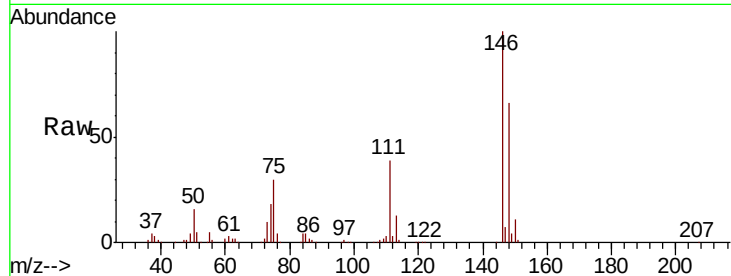




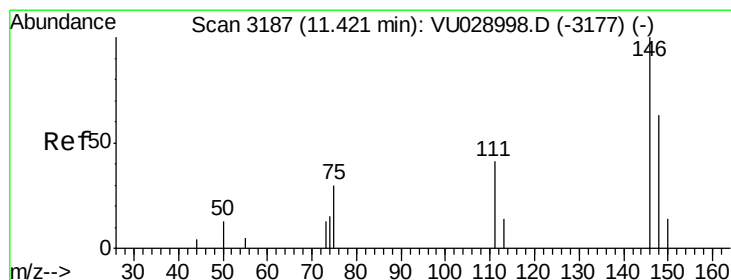
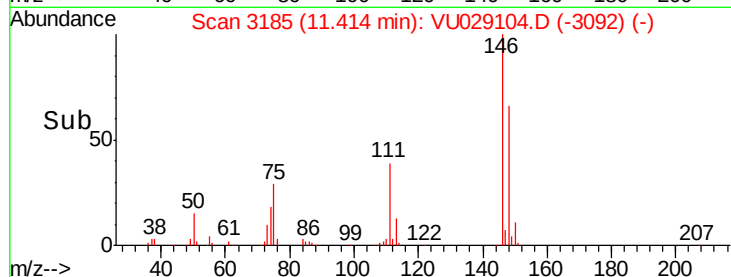
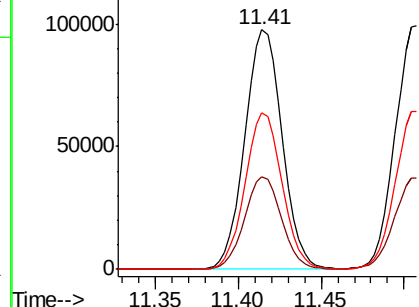
#87
 1,3-Dichlorobenzene
 Concen: 48.203 ug/l
 RT: 11.41 min Scan# 3185
 Delta R.T. 0.00 min
 Lab File: VU029104.D
 Acq: 10 Jan 2019 09:19

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB

Tgt Ion:146 Resp: 153491
 Ion Ratio Lower Upper
 146 100
 111 38.5 19.3 57.8
 148 64.8 32.5 97.5

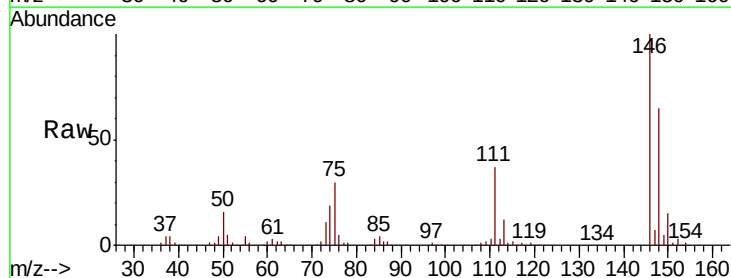


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

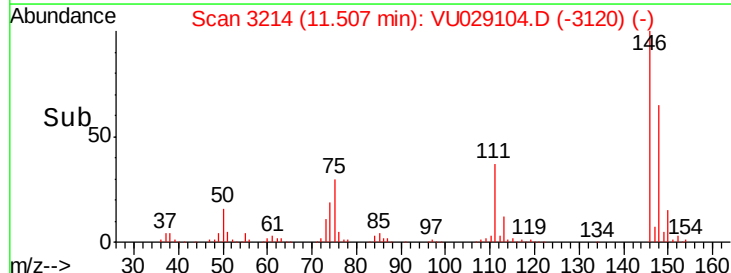
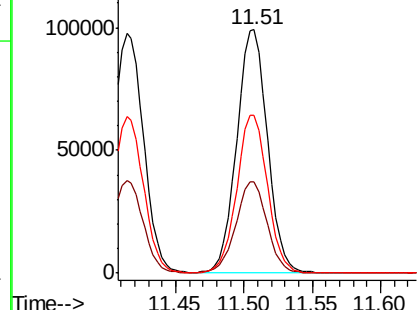


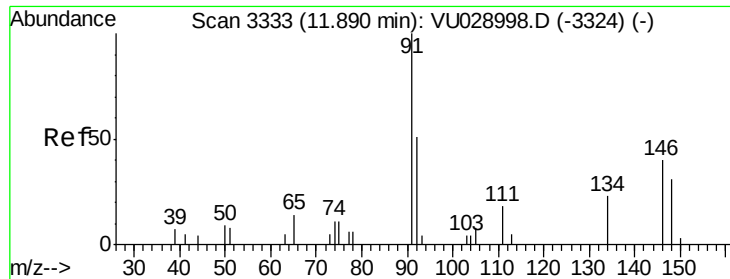
#88
 1,4-Dichlorobenzene
 Concen: 47.102 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU029104.D
 Acq: 10 Jan 2019 09:19

Tgt Ion:146 Resp: 154819
 Ion Ratio Lower Upper
 146 100
 111 38.3 19.1 57.3
 148 64.5 32.6 98.0



Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

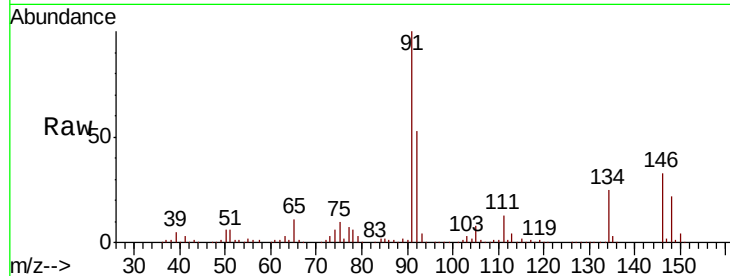




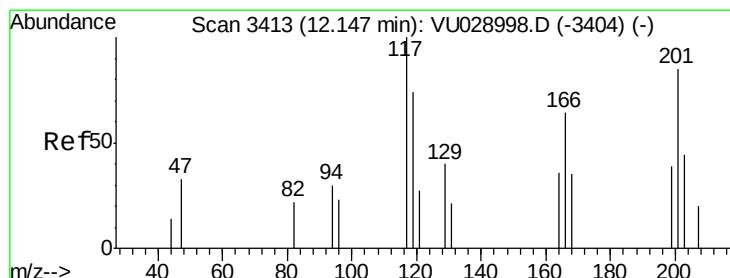
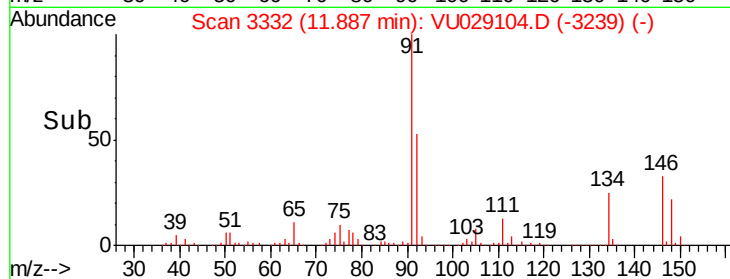
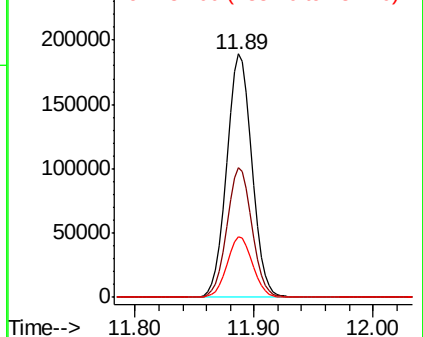
#89
n-Butylbenzene
Concen: 55.078 ug/l
RT: 11.89 min Scan# 3332
Delta R.T. 0.00 min
Lab File: VU029104.D
Acq: 10 Jan 2019 09:19

Instrument :
MSVOA_U
ClientSampled :
BFB

Tgt Ion: 91 Resp: 277778
Ion Ratio Lower Upper
91 100
92 53.1 26.2 78.5
134 25.1 12.6 37.6

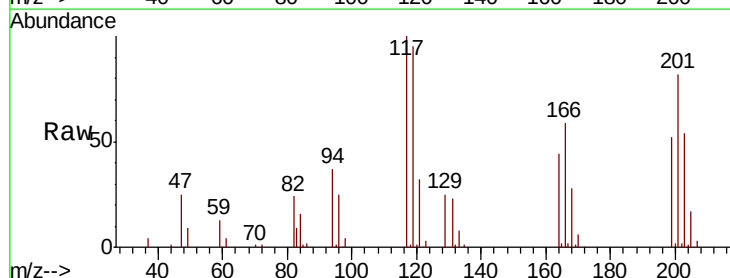


Abundance Ion 91.00 (90.70 to 91.70): VU028998.D (-3324) (-)
Ion 92.00 (91.70 to 92.70): VU028998.D (-3324) (-)
Ion 134.00 (133.70 to 134.70): VU028998.D (-3324) (-)

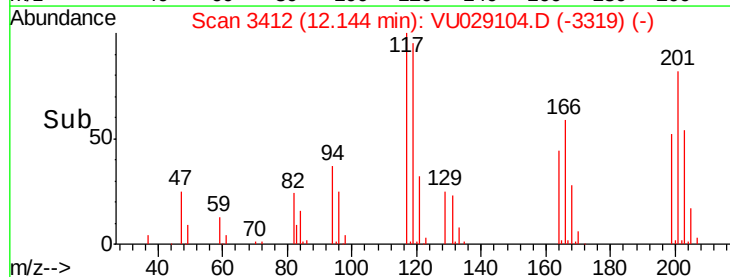
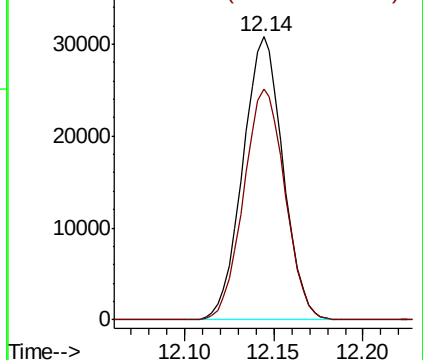


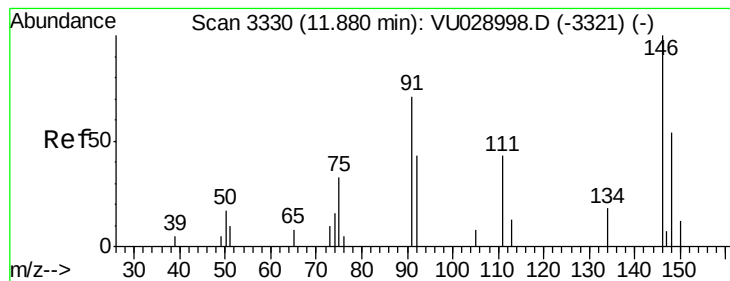
#90
Hexachloroethane
Concen: 51.013 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. 0.00 min
Lab File: VU029104.D
Acq: 10 Jan 2019 09:19

Tgt Ion: 117 Resp: 48493
Ion Ratio Lower Upper
117 100
201 83.8 42.4 127.3



Abundance Ion 116.80 (116.50 to 117.50): VU028998.D (-3404) (-)
Ion 200.70 (200.40 to 201.40): VU028998.D (-3404) (-)





#91

1,2-Dichlorobenzene

Concen: 47.218 ug/l

RT: 11.88 min Scan# 3329

Delta R.T. 0.00 min

Lab File: VU029104.D

Acq: 10 Jan 2019 09:19

Instrument :

MSVOA_U

ClientSampleId :

BFB

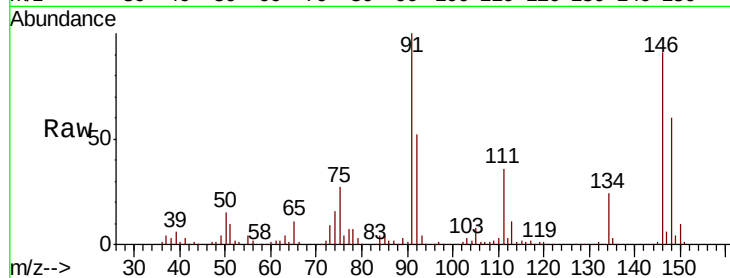
Tgt Ion:146 Resp: 151444

Ion Ratio Lower Upper

146 100

111 40.5 20.0 59.9

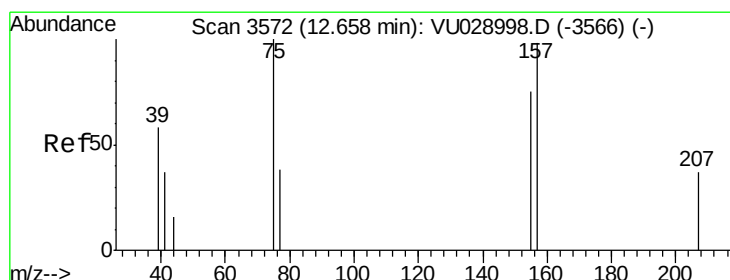
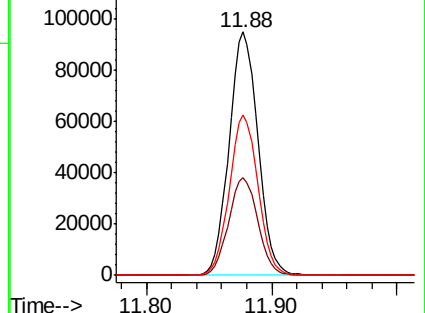
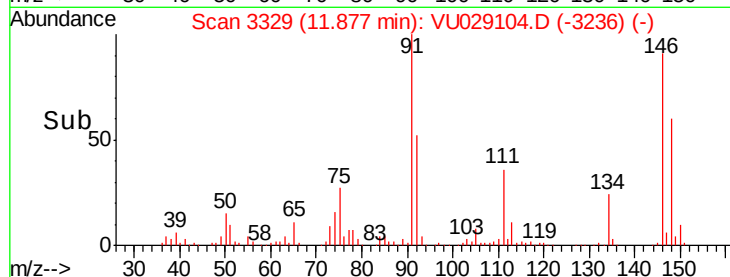
148 65.4 31.6 94.8



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 52.668 ug/l

RT: 12.66 min Scan# 3571

Delta R.T. 0.00 min

Lab File: VU029104.D

Acq: 10 Jan 2019 09:19

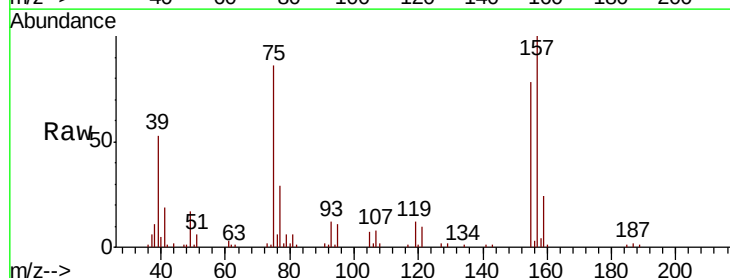
Tgt Ion: 75 Resp: 27046

Ion Ratio Lower Upper

75 100

155 89.7 46.3 138.8

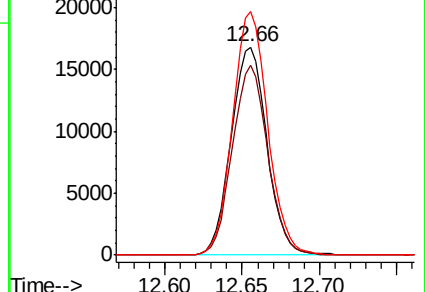
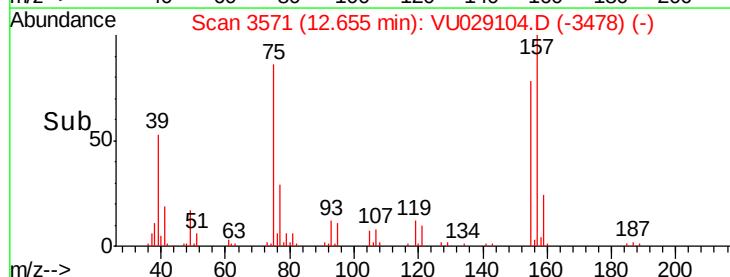
157 114.3 57.4 172.0

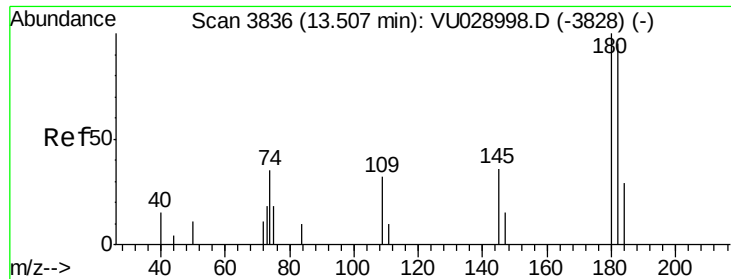


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

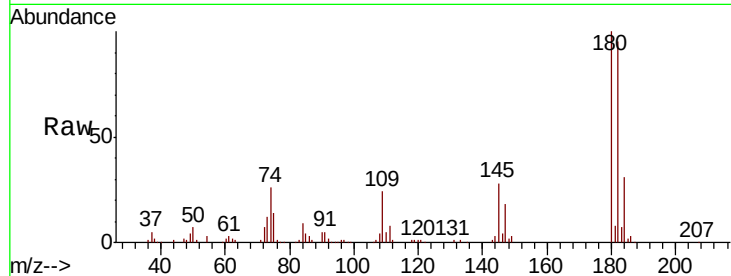




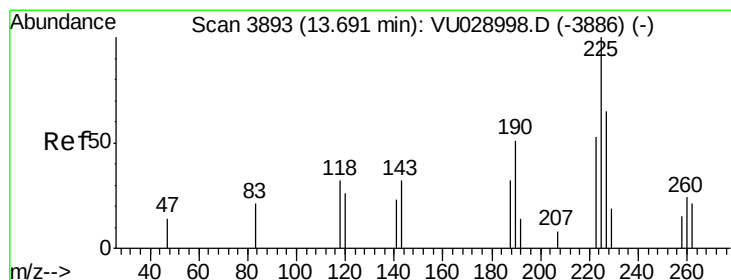
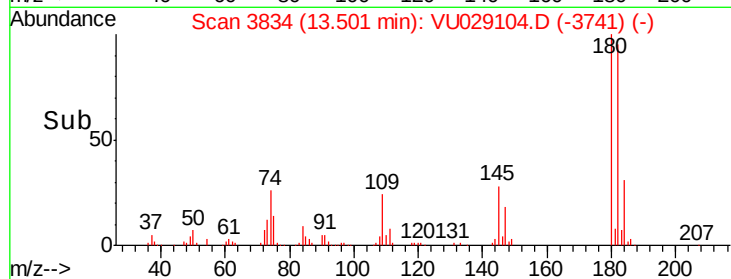
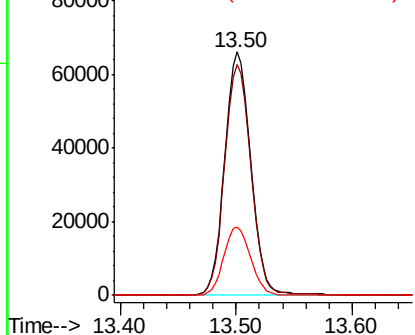
#93
 1,2,4-Trichlorobenzene
 Concen: 50.315 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. 0.00 min
 Lab File: VU029104.D
 Acq: 10 Jan 2019 09:19

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB

Tgt Ion:180 Resp: 103014
 Ion Ratio Lower Upper
 180 100
 182 96.0 47.5 142.6
 145 28.4 14.0 42.0

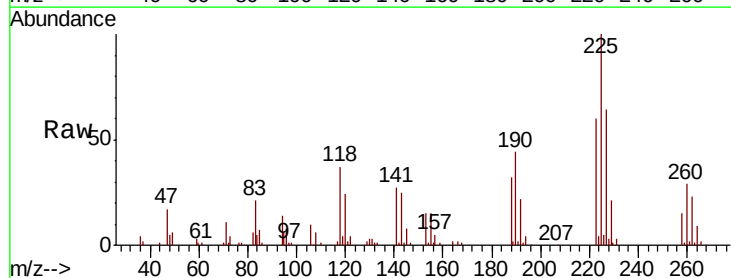


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

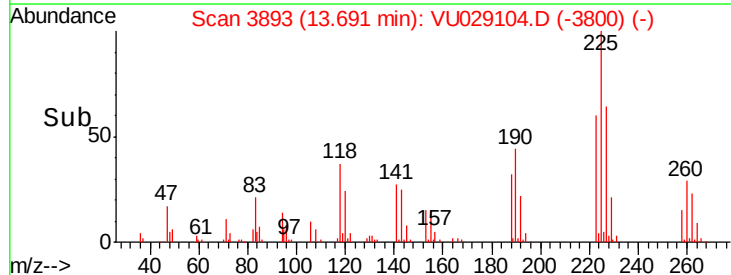
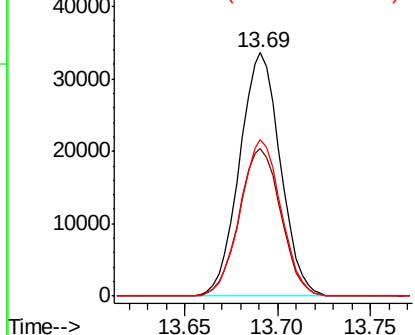


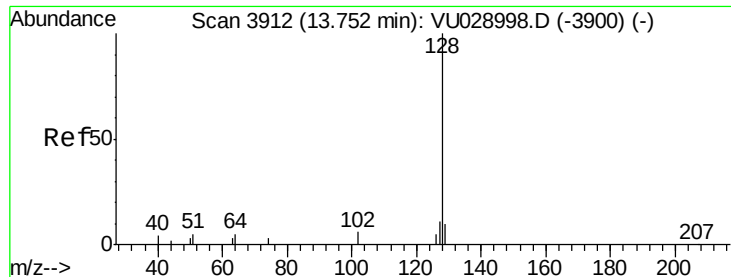
#94
 Hexachlorobutadiene
 Concen: 54.745 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. 0.00 min
 Lab File: VU029104.D
 Acq: 10 Jan 2019 09:19

Tgt Ion:225 Resp: 51267
 Ion Ratio Lower Upper
 225 100
 223 61.9 31.4 94.0
 227 64.1 31.9 95.5



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

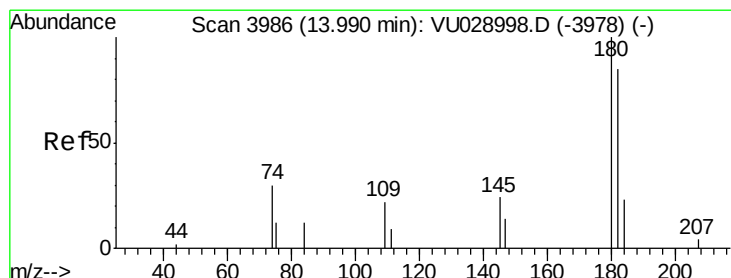
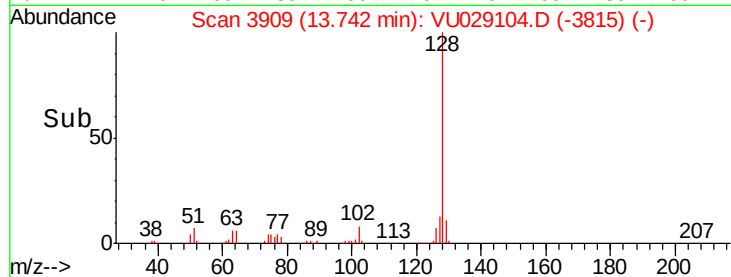
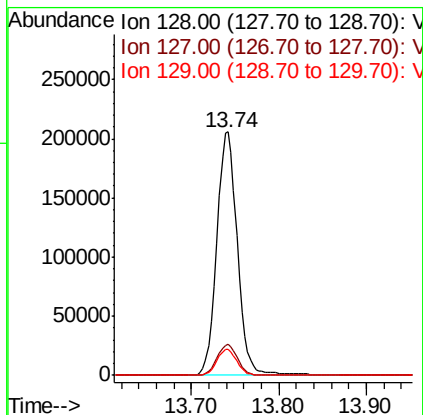
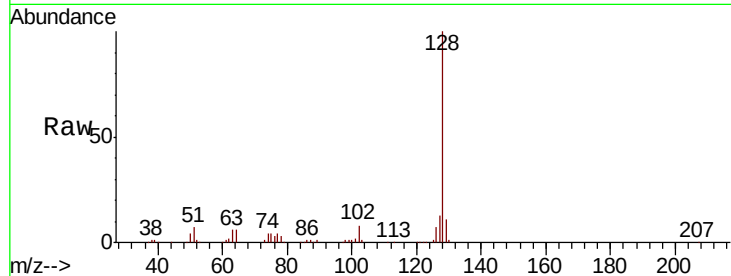




#95
Naphthalene
Concen: 48.308 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU029104.D
Acq: 10 Jan 2019 09:19

Instrument :
MSVOA_U
ClientSampled :
BFB

Tgt Ion:128 Resp: 336457
Ion Ratio Lower Upper
128 100
127 12.5 10.1 15.1
129 10.5 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 49.755 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU029104.D
Acq: 10 Jan 2019 09:19

Tgt Ion:180 Resp: 104860
Ion Ratio Lower Upper
180 100
182 96.6 48.1 144.3
145 30.2 14.8 44.4

