

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\U100418\
 Data File : VU027365.D
 Acq On : 03 Oct 2018 18:46
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB

Quant Time: Oct 03 23:58:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 02:04:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	110553	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	184920	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	171595	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	89288	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	88679	48.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.08%	
35) Dibromofluoromethane	4.88	113	62577	49.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.76%	
50) Toluene-d8	7.57	98	235232	49.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.18%	
62) 4-Bromofluorobenzene	10.31	95	85203	48.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.68%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.21	85	82733	51.907	ug/l	99
3) Chloromethane	1.33	50	105166	48.736	ug/l	99
4) Vinyl Chloride	1.40	62	99766	49.184	ug/l	99
5) Bromomethane	1.62	94	49038	55.870	ug/l	99
6) Chloroethane	1.69	64	58753	48.202	ug/l	97
7) Trichlorofluoromethane	1.88	101	106952	51.965	ug/l	98
8) Diethyl Ether	2.11	74	43937	46.343	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.29	101	63317	52.974	ug/l	98
10) Methyl Iodide	2.41	142	74912	68.021	ug/l	99
11) Tert butyl alcohol	2.83	59	85431	219.760	ug/l	100
12) 1,1-Dichloroethene	2.28	96	57964	49.636	ug/l	97
13) Acrolein	2.20	56	32930	100.951	ug/l	100
14) Allyl chloride	2.59	41	127739	46.064	ug/l	98
15) Acrylonitrile	2.94	53	261161	258.115	ug/l	99
16) Acetone	2.32	43	232667	213.344	ug/l	99
17) Carbon Disulfide	2.48	76	190623	45.261	ug/l	100
18) Methyl Acetate	2.62	43	136351	54.806	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	228189	48.768	ug/l	99
20) Methylene Chloride	2.70	84	73448	48.349	ug/l	99
21) trans-1,2-Dichloroethene	2.98	96	64796	49.423	ug/l	98
22) Diisopropyl ether	3.58	45	284046	50.396	ug/l	99
23) Vinyl Acetate	3.53	43	1226961	249.271	ug/l	99
24) 1,1-Dichloroethane	3.45	63	145225	50.121	ug/l	100
25) 2-Butanone	4.27	43	365730	245.925	ug/l	100
26) 2,2-Dichloropropane	4.23	77	113288	47.583	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	71703	47.824	ug/l	100
28) Bromochloromethane	4.55	49	76538	54.751	ug/l	99
29) Tetrahydrofuran	4.64	42	237783	253.708	ug/l	100
30) Chloroform	4.67	83	133946	52.031	ug/l	99
31) Cyclohexane	5.00	56	132907	44.865	ug/l	100
32) 1,1,1-Trichloroethane	4.92	97	110638	51.029	ug/l	98
36) 1,1-Dichloropropene	5.14	75	97640	48.630	ug/l	100
37) Ethyl Acetate	4.38	43	133410	51.413	ug/l	98
38) Carbon Tetrachloride	5.14	117	93738	51.684	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	108592	46.268	ug/l	98
40) Benzene	5.39	78	297030	50.787	ug/l	100
41) Methacrylonitrile	4.54	41	75704	51.616	ug/l	99
42) 1,2-Dichloroethane	5.40	62	115111	53.024	ug/l	100
43) Isopropyl Acetate	5.55	43	195265	48.451	ug/l	100
44) Trichloroethene	6.19	130	62257	47.739	ug/l	97
45) 1,2-Dichloropropane	6.43	63	88155	52.258	ug/l	98
46) Dibromomethane	6.56	93	50764	53.282	ug/l	99
47) Bromodichloromethane	6.76	83	103176	52.190	ug/l	98
48) Methyl methacrylate	6.62	41	103854	51.820	ug/l	98
49) 1,4-Dioxane	6.62	88	33428	969.409	ug/l	99
51) 4-Methyl-2-Pentanone	7.46	43	699368	267.052	ug/l	99
52) Toluene	7.64	92	174056	50.281	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	114944	49.590	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	125400	50.325	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	72917	53.127	ug/l	98
56) Ethyl methacrylate	8.02	69	113228	43.394	ug/l	99
57) 1,3-Dichloropropane	8.24	76	136740	51.321	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.13	63	349106	242.134	ug/l	100
59) 2-Hexanone	8.36	43	531826	261.790	ug/l	99
60) Dibromochloromethane	8.48	129	72787	52.876	ug/l	99
61) 1,2-Dibromoethane	8.59	107	74818	51.270	ug/l	99
64) Tetrachloroethene	8.23	164	52853	49.478	ug/l	99
65) Chlorobenzene	9.12	112	178011	49.284	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	66518	53.347	ug/l	98
67) Ethyl Benzene	9.25	91	317992	49.691	ug/l	100
68) m/p-Xylenes	9.38	106	244568	104.481	ug/l	100
69) o-Xylene	9.78	106	114778	51.599	ug/l	99
70) Styrene	9.79	104	197809	47.684	ug/l	99
71) Bromoform	9.96	173	52191	52.024	ug/l #	100
73) Isopropylbenzene	10.17	105	311879	48.093	ug/l	100
74) N-amyl acetate	10.02	43	177860	47.909	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	127507	50.075	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	150987	65.234	ug/l	85
77) Bromobenzene	10.45	156	72554	48.141	ug/l	98
78) n-propylbenzene	10.59	91	388801	49.895	ug/l	100
79) 2-Chlorotoluene	10.66	91	227646	48.384	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	270880	51.306	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.49	75	150987	170.724	ug/l #	100
82) 4-Chlorotoluene	10.77	91	265581	49.741	ug/l	99
83) tert-Butylbenzene	11.10	119	250104	49.001	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	279474	51.820	ug/l	99
85) sec-Butylbenzene	11.32	105	319597	49.697	ug/l	99
86) p-Isopropyltoluene	11.48	119	279496	50.760	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	136144	47.707	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	139546	47.852	ug/l	100
89) n-Butylbenzene	11.89	91	259170	44.575	ug/l	100
90) Hexachloroethane	12.15	117	52511	50.594	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	134575	48.446	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	28244	50.049	ug/l	98

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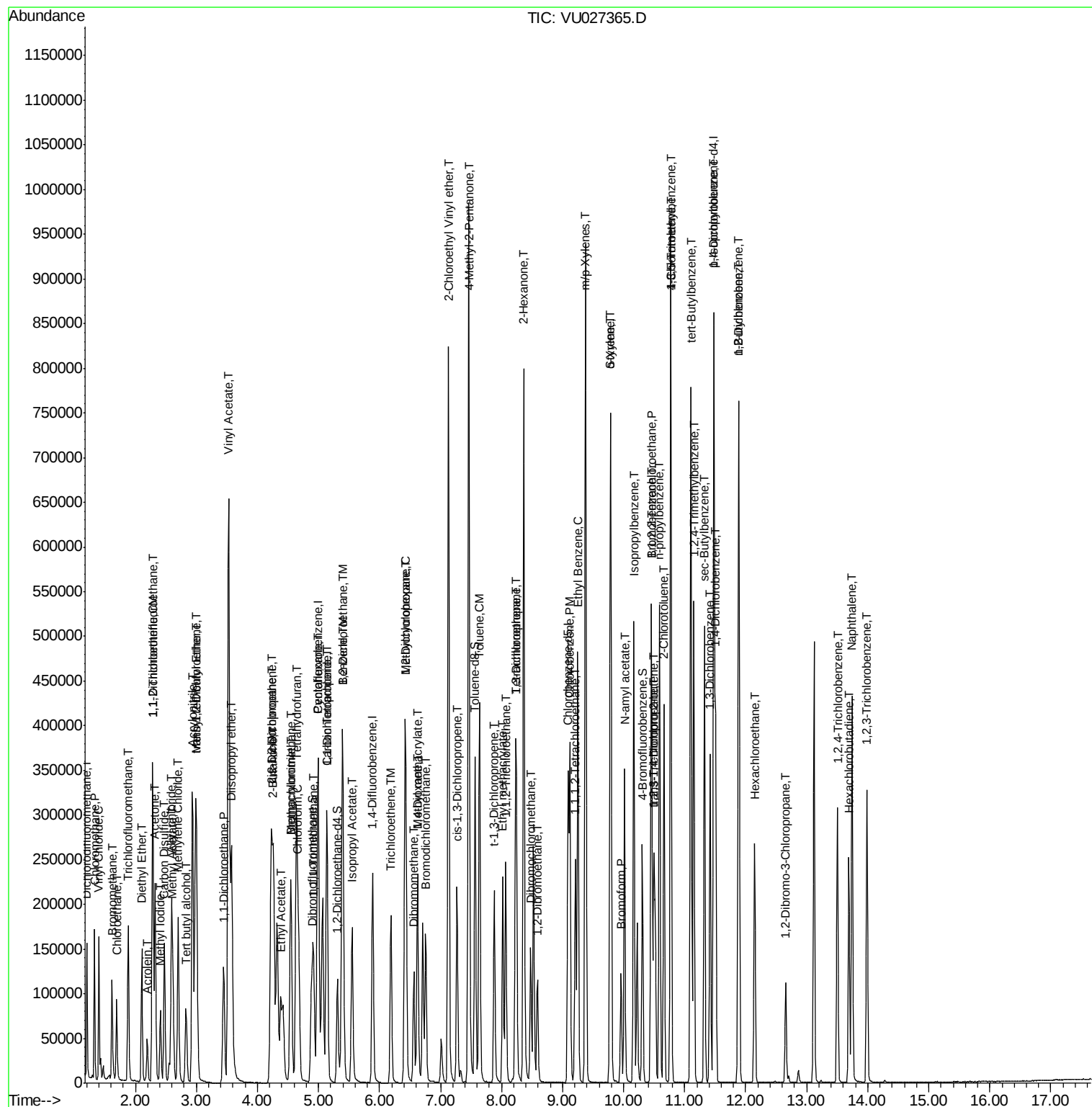
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	89410	49.743	ug/l	100
94) Hexachlorobutadiene	13.69	225	45340	49.927	ug/l	99
95) Naphthalene	13.74	128	314173	46.656	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	94525	50.478	ug/l	98

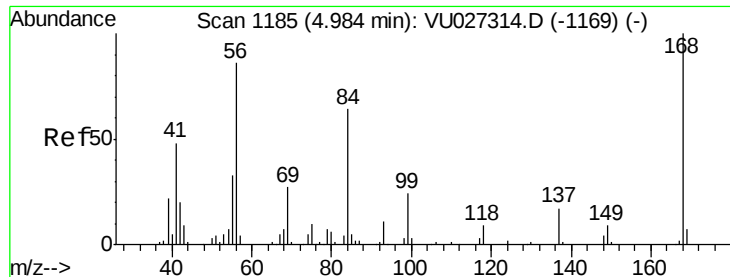
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU027365.D

Acq: 03 Oct 2018 18:46

Instrument :

MSVOA_U

ClientSampled :

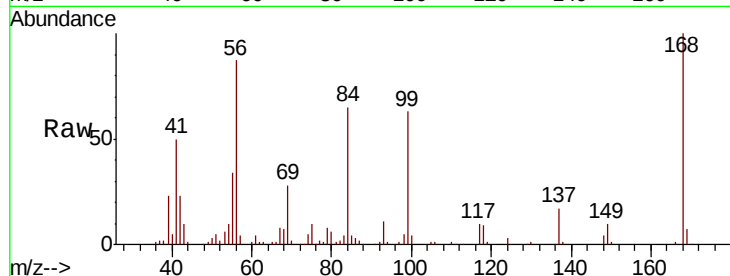
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Tgt Ion:168 Resp: 110553

Ion Ratio Lower Upper

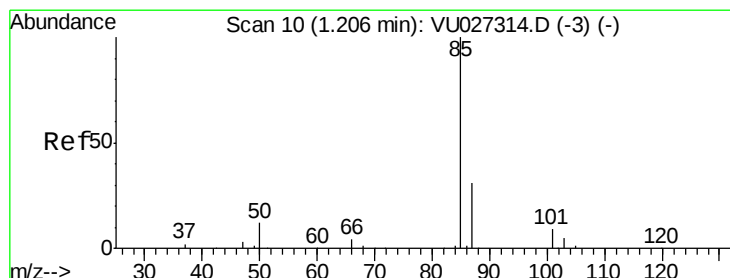
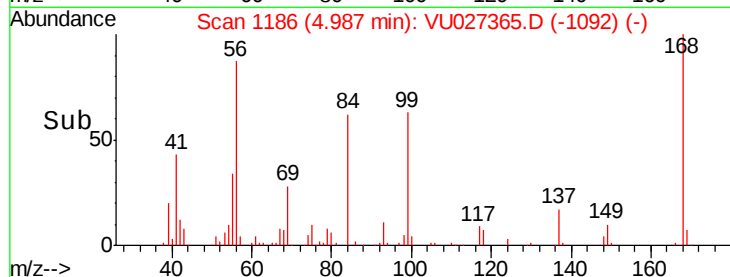
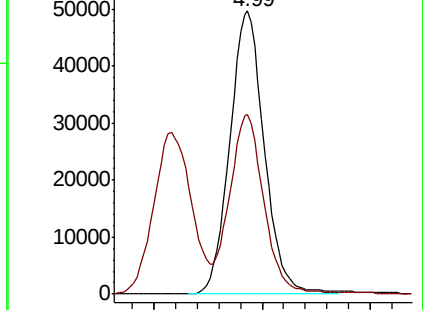
168 100

99 62.6 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): VU027314.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU027314.D (-1169) (-)



#2

Dichlorodifluoromethane

Concen: 51.907 ug/l

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU027365.D

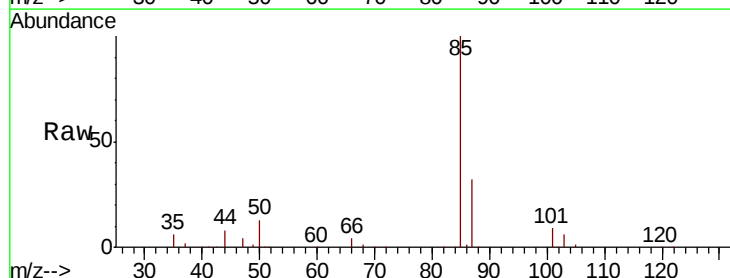
Acq: 03 Oct 2018 18:46

Tgt Ion: 85 Resp: 82733

Ion Ratio Lower Upper

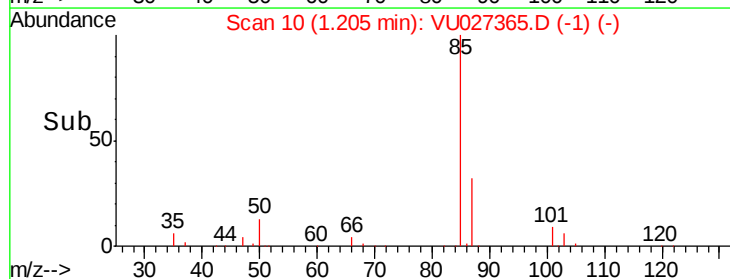
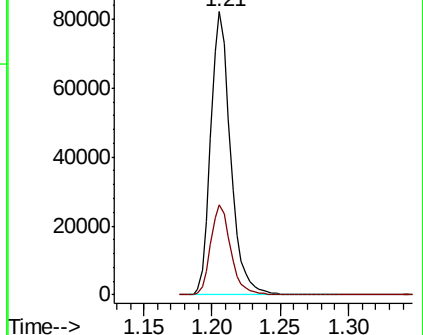
85 100

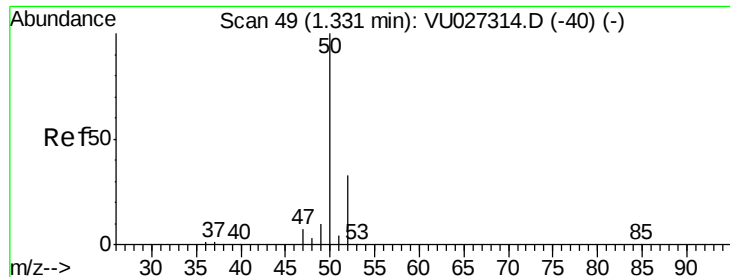
87 31.9 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VU027314.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU027314.D (-3) (-)





#3

Chloromethane

Concen: 48.736 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU027365.D

Acq: 03 Oct 2018 18:46

Instrument :

MSVOA_U

ClientSampleId :

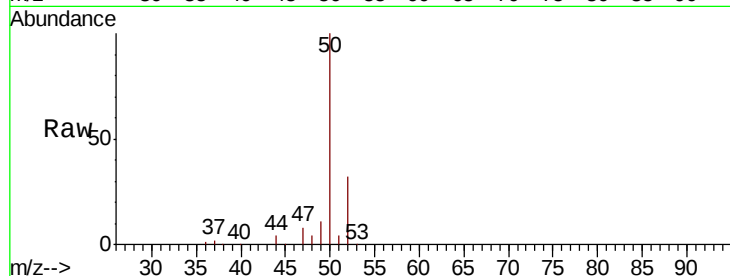
BFB

Tgt Ion: 50 Resp: 105166

Ion Ratio Lower Upper

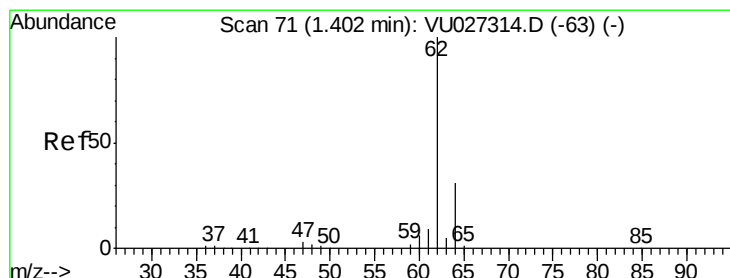
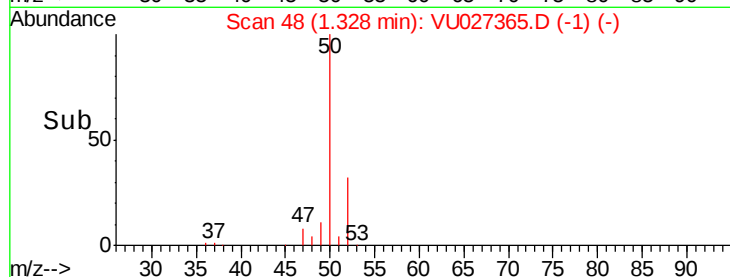
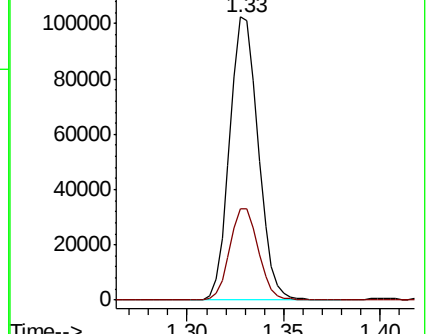
50 100

52 32.4 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VU027314.D (-40) (-)

Ion 51.90 (51.60 to 52.60): VU027365.D (-1) (-)



#4

Vinyl Chloride

Concen: 49.184 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU027365.D

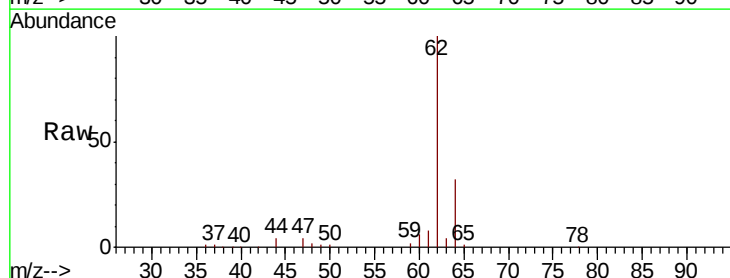
Acq: 03 Oct 2018 18:46

Tgt Ion: 62 Resp: 99766

Ion Ratio Lower Upper

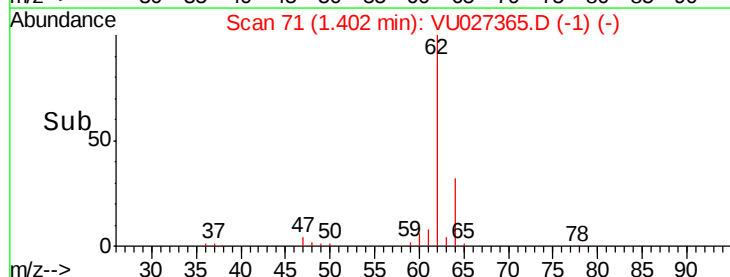
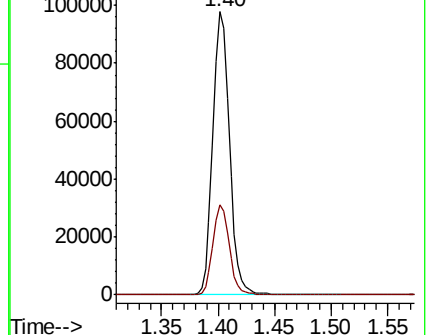
62 100

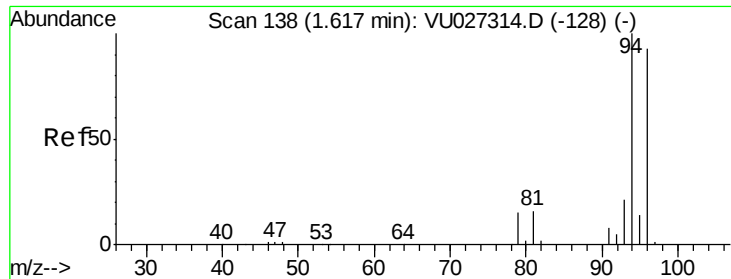
64 31.8 24.9 37.3



Abundance Ion 61.90 (61.60 to 62.60): VU027314.D (-63) (-)

Ion 63.90 (63.60 to 64.60): VU027365.D (-1) (-)





#5

Bromomethane

Concen: 55.870 ug/l

RT: 1.62 min Scan# 138

Delta R.T. -0.00 min

Lab File: VU027365.D

Acq: 03 Oct 2018 18:46

Instrument :

MSVOA_U

ClientSampled :

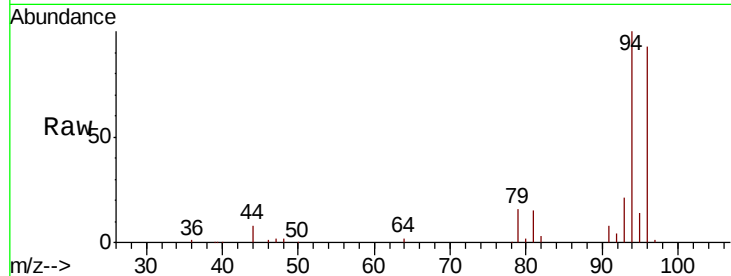
BFB

Tgt Ion: 94 Resp: 49038

Ion Ratio Lower Upper

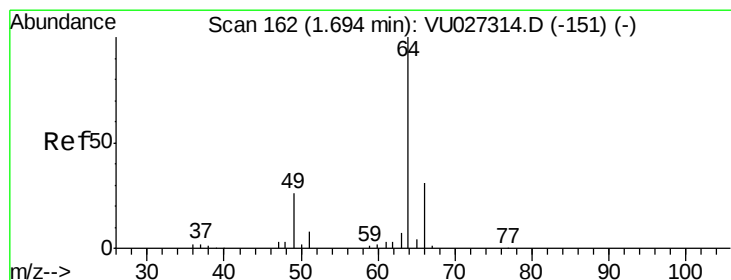
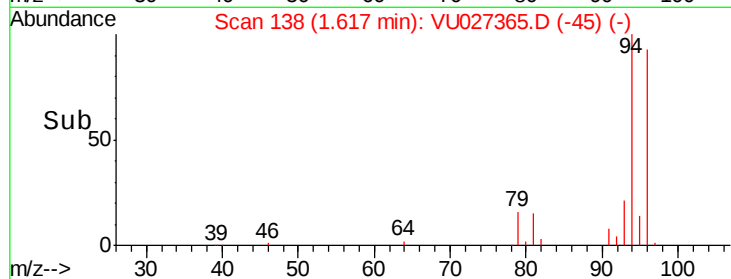
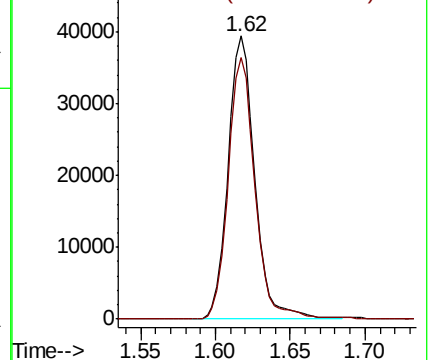
94 100

96 92.6 74.6 111.8



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 48.202 ug/l

RT: 1.69 min Scan# 162

Delta R.T. -0.00 min

Lab File: VU027365.D

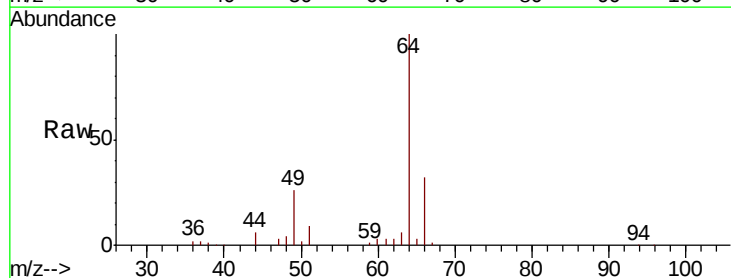
Acq: 03 Oct 2018 18:46

Tgt Ion: 64 Resp: 58753

Ion Ratio Lower Upper

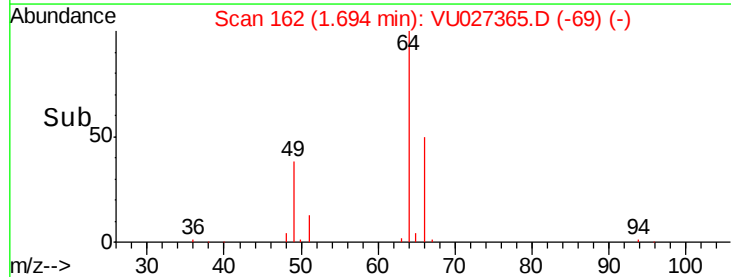
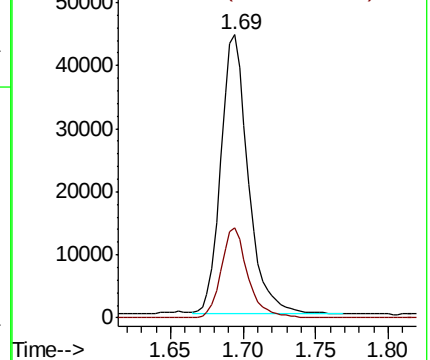
64 100

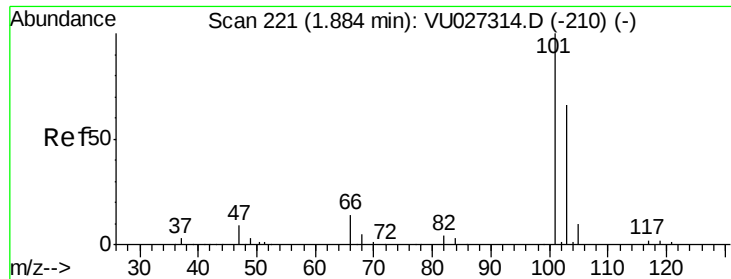
66 32.4 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0



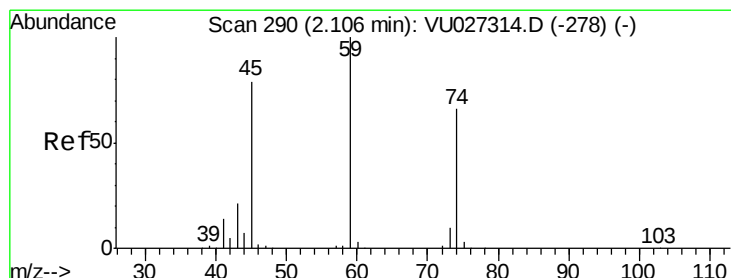
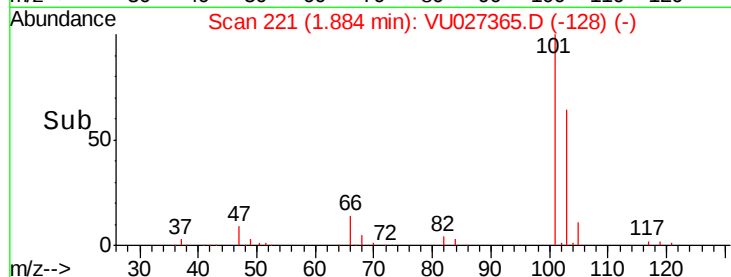
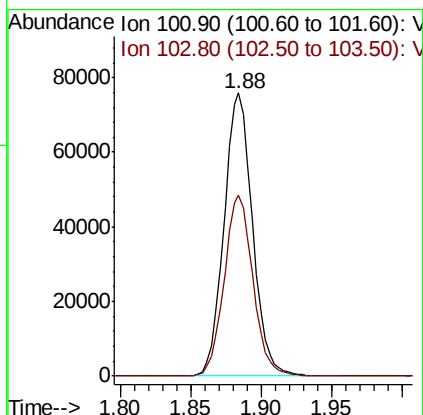
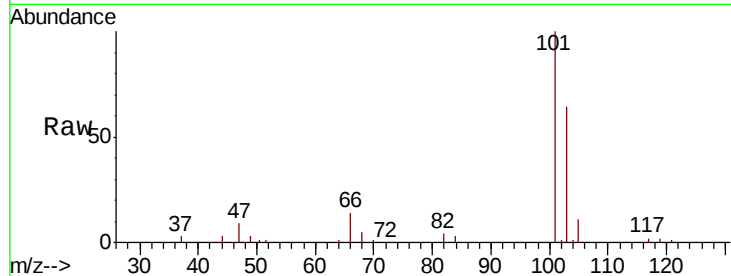


#7

Trichlorofluoromethane
 Concen: 51.965 ug/l
 RT: 1.88 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VU027365.D
 Acq: 03 Oct 2018 18:46

Instrument :
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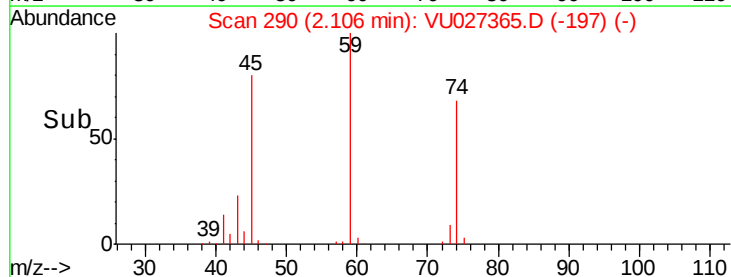
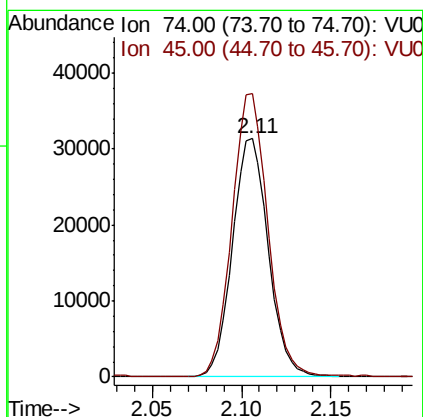
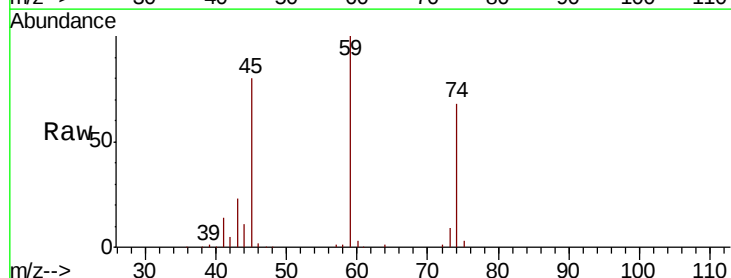
Tgt Ion: 101 Resp: 106952
 Ion Ratio Lower Upper
 101 100
 103 64.0 52.6 78.8

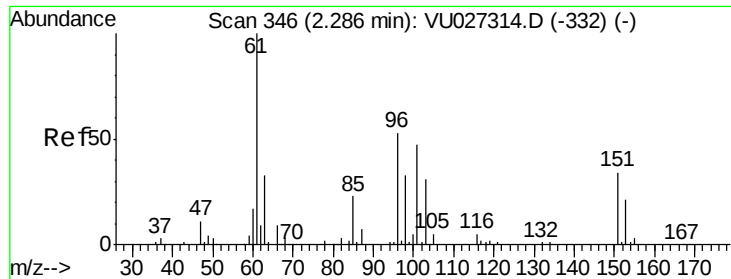


#8

Diethyl Ether
 Concen: 46.343 ug/l
 RT: 2.11 min Scan# 290
 Delta R.T. -0.00 min
 Lab File: VU027365.D
 Acq: 03 Oct 2018 18:46

Tgt Ion: 74 Resp: 43937
 Ion Ratio Lower Upper
 74 100
 45 119.8 60.4 181.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.974 ug/l

RT: 2.29 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU027365.D

Acq: 03 Oct 2018 18:46

Instrument :

MSVOA_U

ClientSampleId :

BFB

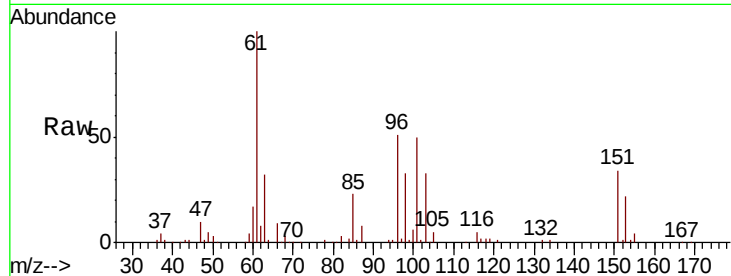
Tgt Ion:101 Resp: 63317

Ion Ratio Lower Upper

101 100

85 45.2 37.5 56.3

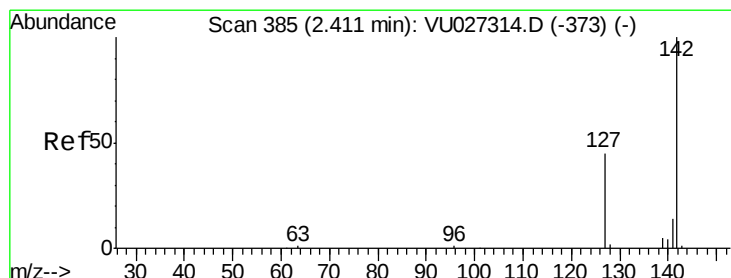
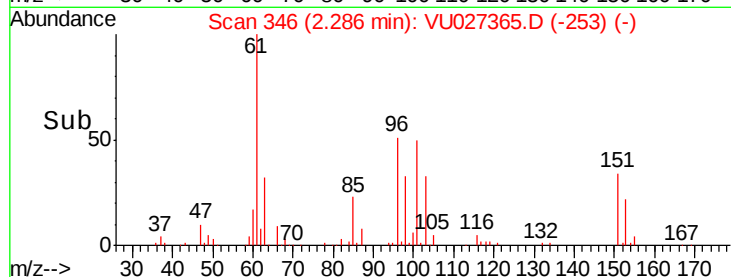
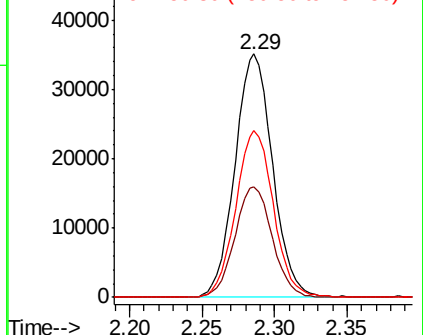
151 68.5 55.6 83.4



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: 68.021 ug/l

RT: 2.41 min Scan# 385

Delta R.T. 0.00 min

Lab File: VU027365.D

Acq: 03 Oct 2018 18:46

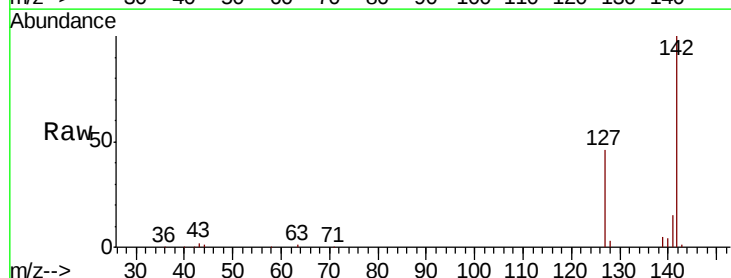
Tgt Ion:142 Resp: 74912

Ion Ratio Lower Upper

142 100

127 46.4 36.3 54.5

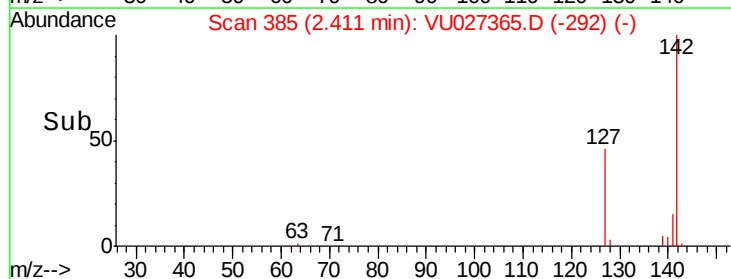
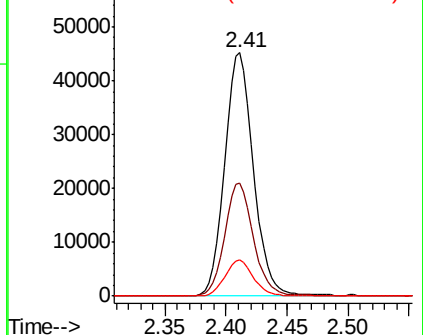
141 14.5 11.6 17.4

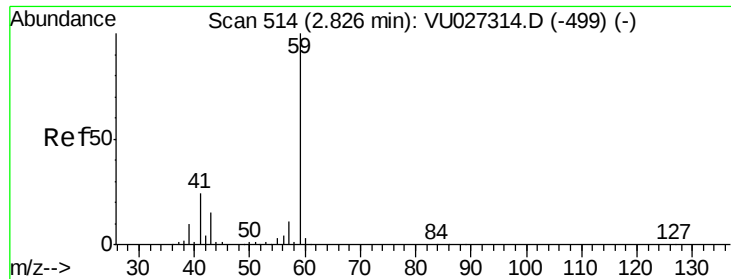


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



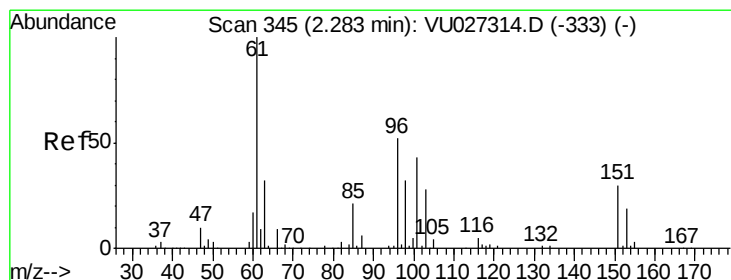
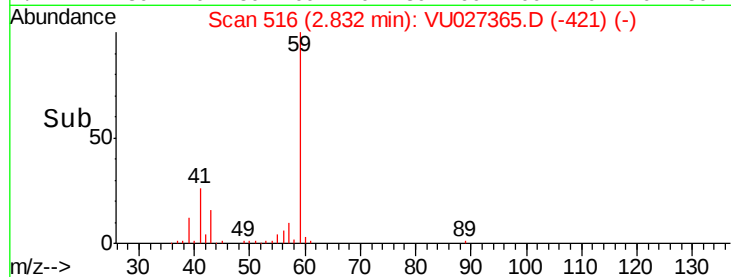
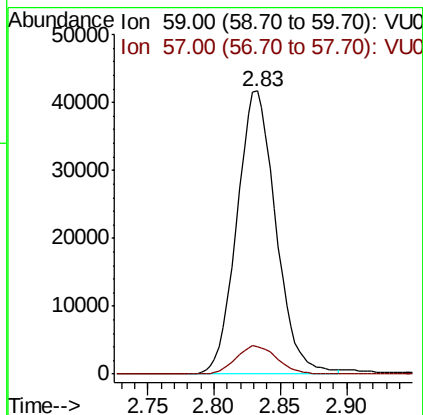
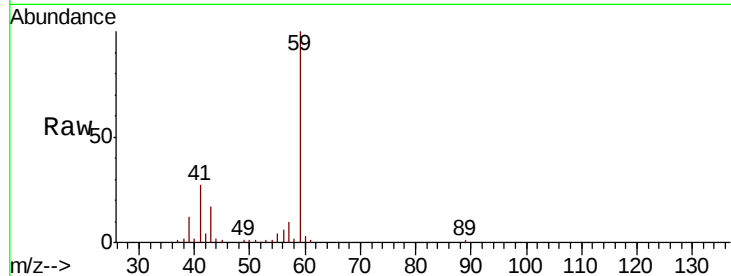


#11

Tert butyl alcohol
 Concen: 219.760 ug/l
 RT: 2.83 min Scan# 516
 Delta R.T. 0.01 min
 Lab File: VU027365.D
 Acq: 03 Oct 2018 18:46

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB

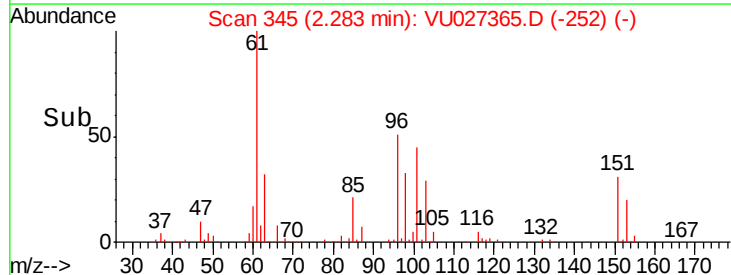
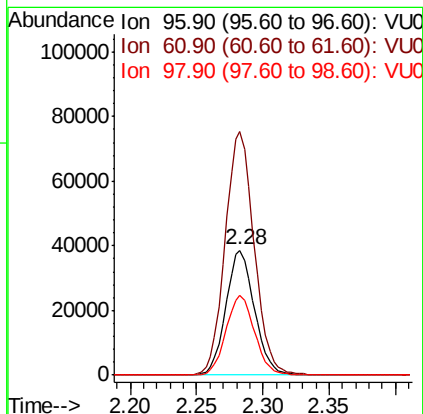
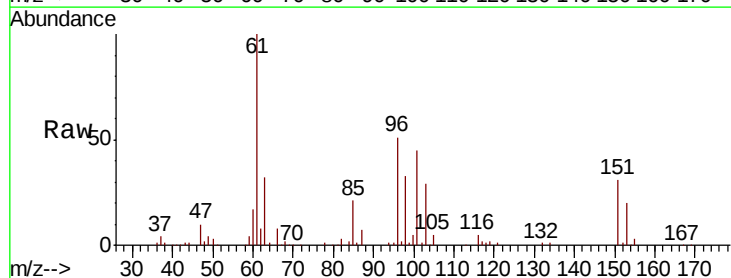
Tgt Ion: 59 Resp: 85431
 Ion Ratio Lower Upper
 59 100
 57 10.5 8.4 12.6

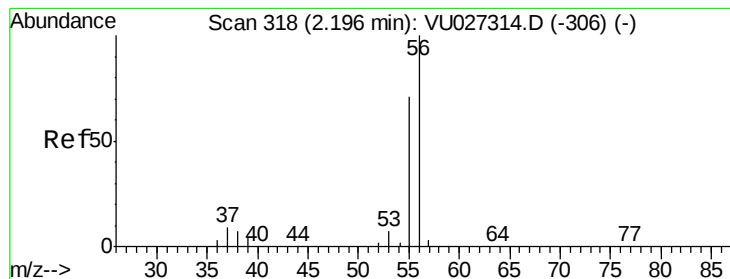


#12

1,1-Dichloroethene
 Concen: 49.636 ug/l
 RT: 2.28 min Scan# 345
 Delta R.T. -0.00 min
 Lab File: VU027365.D
 Acq: 03 Oct 2018 18:46

Tgt Ion: 96 Resp: 57964
 Ion Ratio Lower Upper
 96 100
 61 195.4 153.0 229.6
 98 63.7 49.3 73.9





#13

Acrolein

Concen: 100.951 ug/l

RT: 2.20 min Scan# 318

Delta R.T. -0.00 min

Lab File: VU027365.D

Acq: 03 Oct 2018 18:46

Instrument :

MSVOA_U

ClientSampleId :

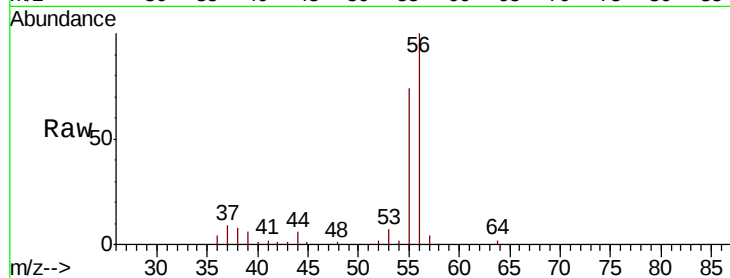
BFB

Tgt Ion: 56 Resp: 32930

Ion Ratio Lower Upper

56 100

55 71.7 57.7 86.5



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

25000

20000

15000

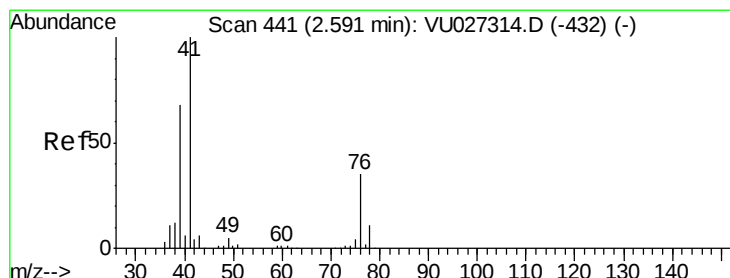
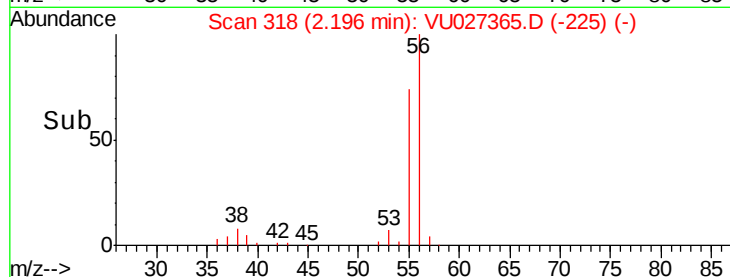
10000

5000

0

Time-->

2.15 2.20 2.25 2.30



#14

Allyl chloride

Concen: 46.064 ug/l

RT: 2.59 min Scan# 441

Delta R.T. -0.00 min

Lab File: VU027365.D

Acq: 03 Oct 2018 18:46

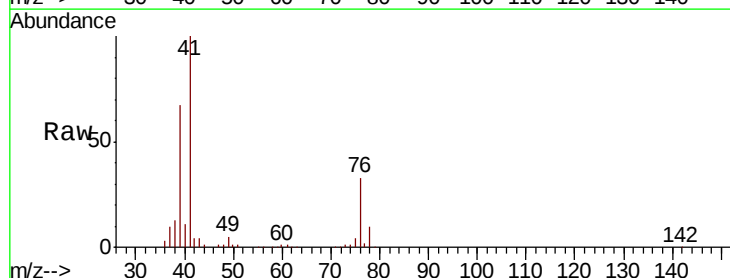
Tgt Ion: 41 Resp: 127739

Ion Ratio Lower Upper

41 100

39 66.9 51.8 77.8

76 32.7 25.9 38.9



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

100000

80000

60000

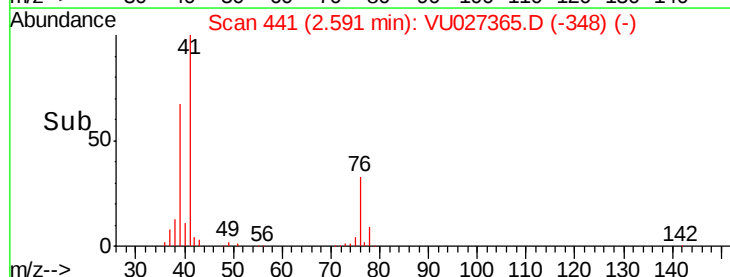
40000

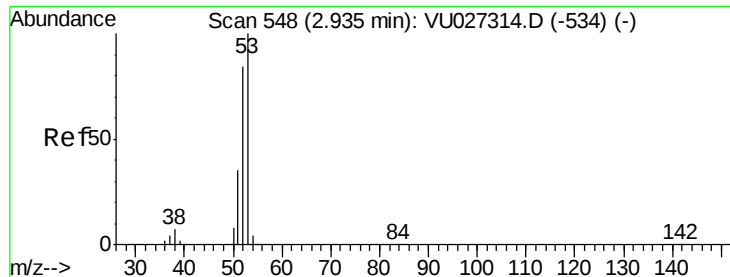
20000

0

Time-->

2.55 2.60 2.65 2.70





#15

Acrylonitrile

Concen: 258.115 ug/l

RT: 2.94 min Scan# 548

Delta R.T. -0.00 min

Lab File: VU027365.D

Acq: 03 Oct 2018 18:46

Instrument :

MSVOA_U

ClientSampleId :

BFB

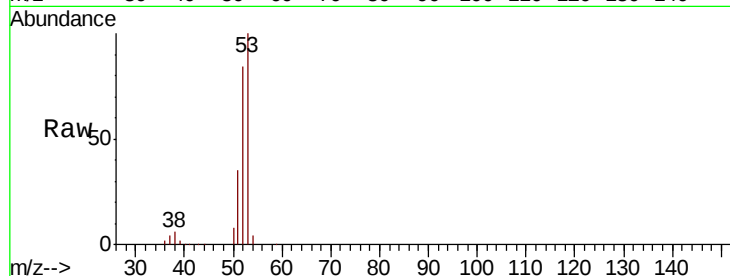
Tgt Ion: 53 Resp: 261161

Ion Ratio Lower Upper

53 100

52 82.0 66.5 99.7

51 34.0 27.6 41.4



Abundance Ion 53.00 (52.70 to 53.70): VU027314.D (-534) (-)

Ion 52.00 (51.70 to 52.70): VU027314.D (-534) (-)

Ion 51.00 (50.70 to 51.70): VU027314.D (-534) (-)

2.94

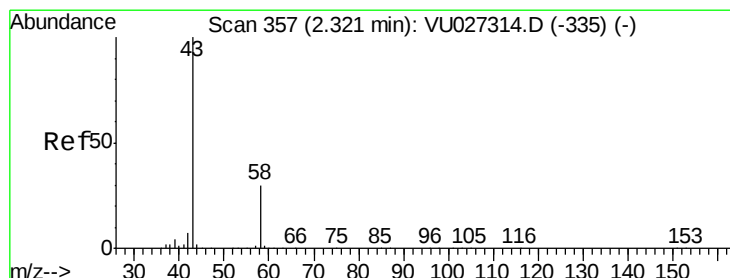
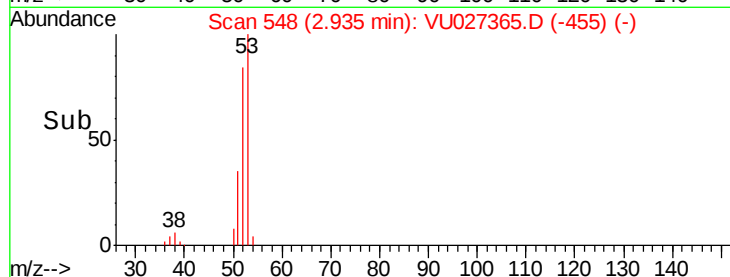
150000

100000

50000

0

Time--> 2.80 2.90 3.00 3.10



#16

Acetone

Concen: 213.344 ug/l

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU027365.D

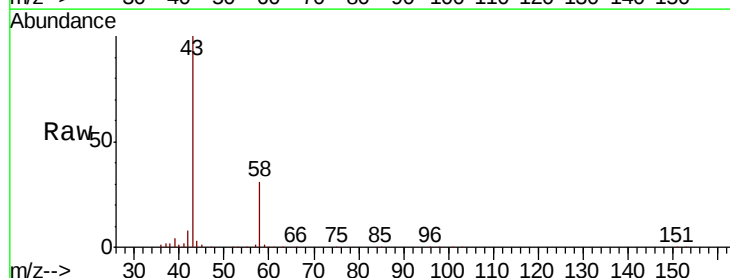
Acq: 03 Oct 2018 18:46

Tgt Ion: 43 Resp: 232667

Ion Ratio Lower Upper

43 100

58 30.9 24.2 36.4



Abundance Ion 43.00 (42.70 to 43.70): VU027314.D (-335) (-)

Ion 58.00 (57.70 to 58.70): VU027314.D (-335) (-)

2.32

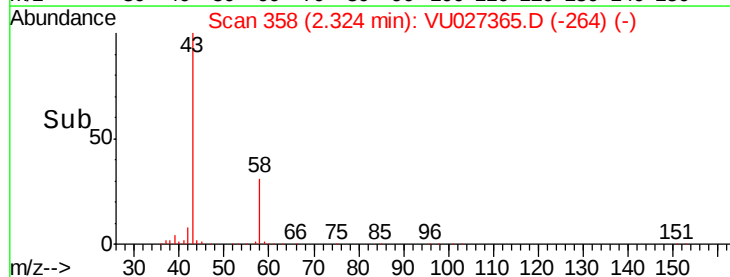
150000

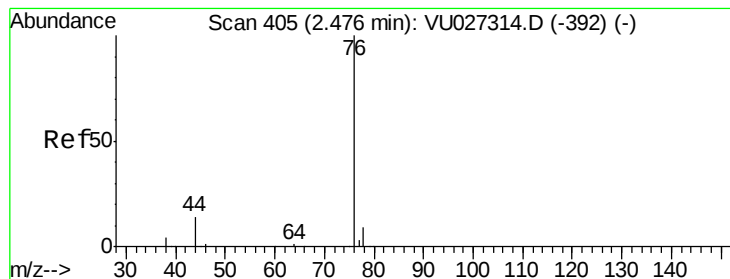
100000

50000

0

Time--> 2.20 2.30 2.40





#17

Carbon Disulfide

Concen: 45.261 ug/l

RT: 2.48 min Scan# 405

Delta R.T. -0.00 min

Lab File: VU027365.D

Acq: 03 Oct 2018 18:46

Instrument :

MSVOA_U

ClientSampleId :

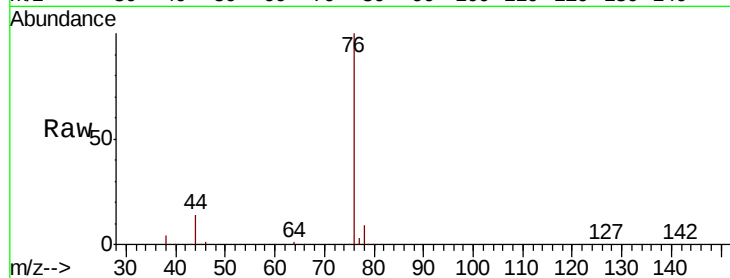
BFB

Tgt Ion: 76 Resp: 190623

Ion Ratio Lower Upper

76 100

78 9.0 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0

2.48

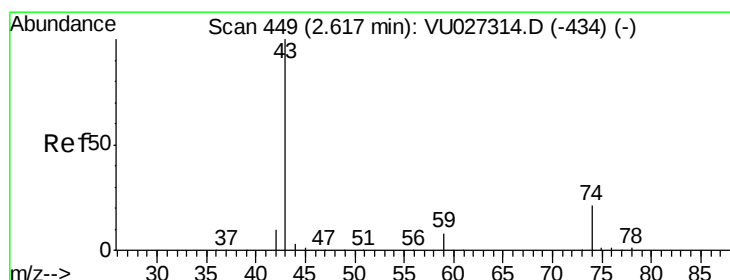
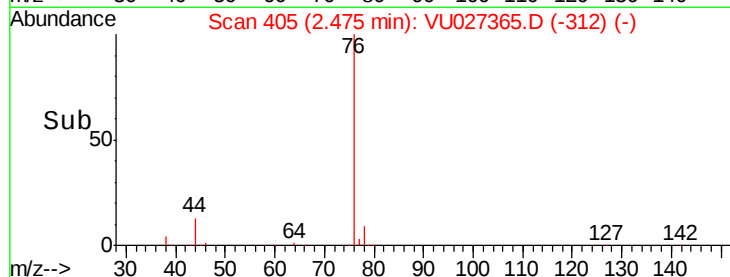
100000

50000

0

Time-->

2.40 2.45 2.50 2.55



#18

Methyl Acetate

Concen: 54.806 ug/l

RT: 2.62 min Scan# 449

Delta R.T. -0.00 min

Lab File: VU027365.D

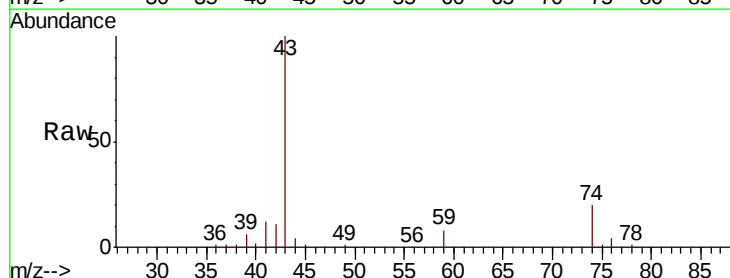
Acq: 03 Oct 2018 18:46

Tgt Ion: 43 Resp: 136351

Ion Ratio Lower Upper

43 100

74 19.8 16.5 24.7



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

2.62

80000

60000

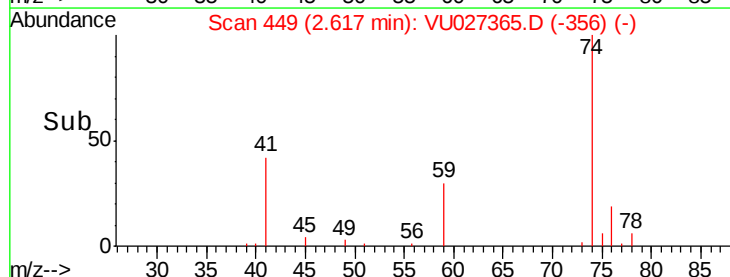
40000

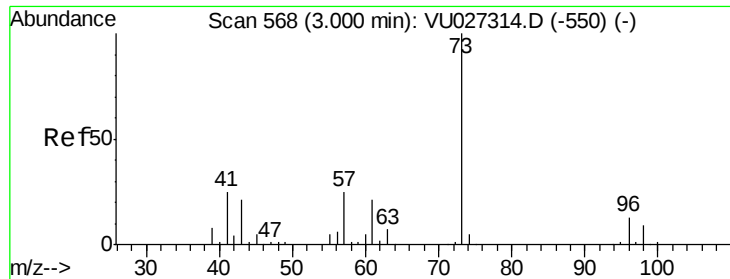
20000

0

Time-->

2.60 2.70

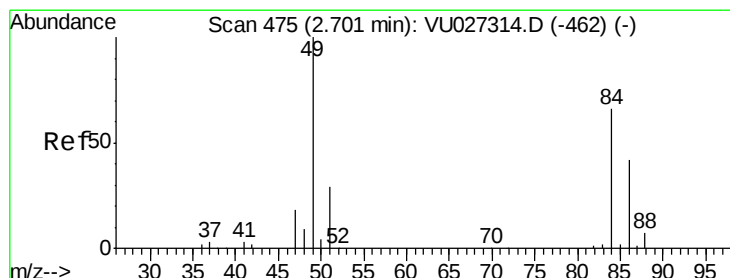
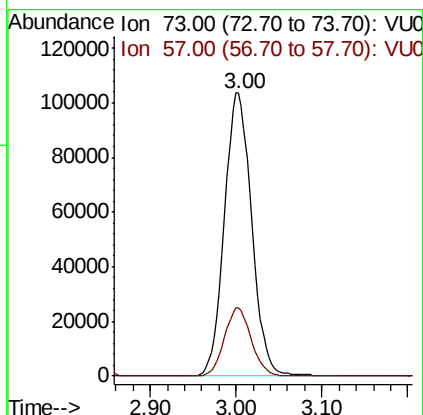
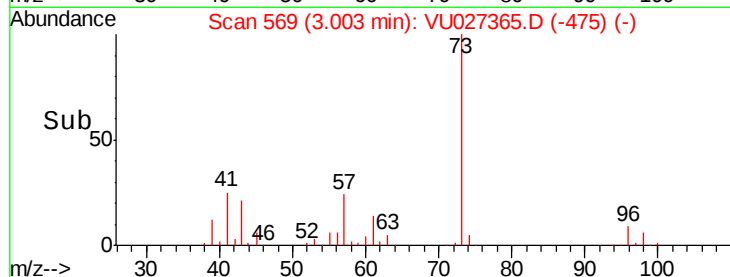
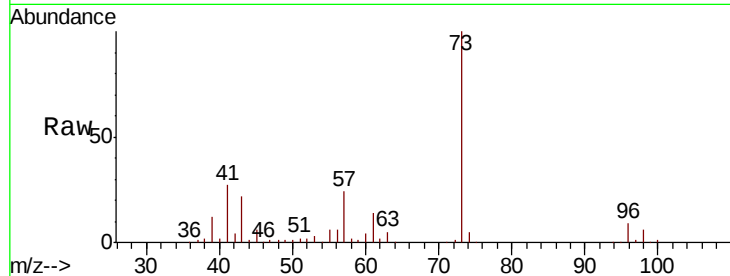




#19
Methyl tert-butyl Ether
Concen: 48.768 ug/l
RT: 3.00 min Scan# 569
Delta R.T. 0.00 min
Lab File: VU027365.D
Acq: 03 Oct 2018 18:46

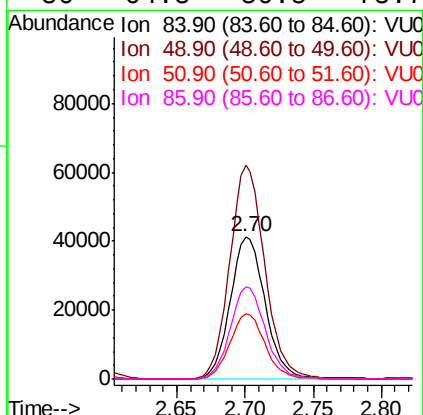
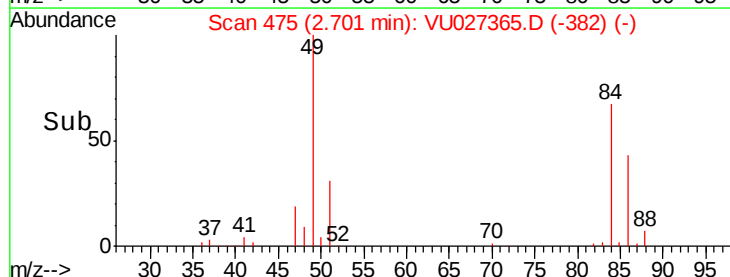
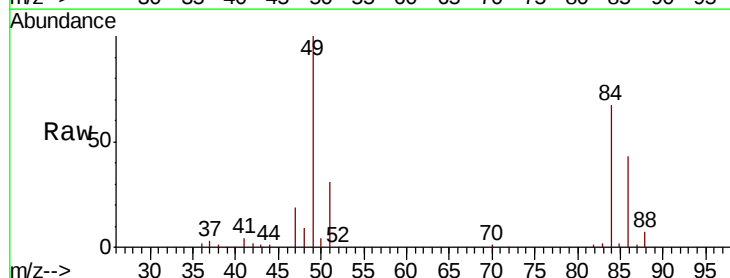
Instrument :
MSVOA_U
ClientSampleId :
BFB

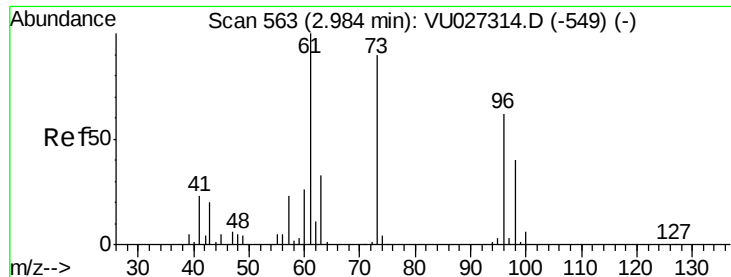
Tgt Ion: 73 Resp: 228189
Ion Ratio Lower Upper
73 100
57 24.3 20.0 30.0



#20
Methylene Chloride
Concen: 48.349 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU027365.D
Acq: 03 Oct 2018 18:46

Tgt Ion: 84 Resp: 73448
Ion Ratio Lower Upper
84 100
49 150.1 120.5 180.7
51 45.9 35.1 52.7
86 64.5 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 49.423 ug/l

RT: 2.98 min Scan# 563

Delta R.T. -0.00 min

Lab File: VU027365.D

Acq: 03 Oct 2018 18:46

Instrument :

MSVOA_U

ClientSampleId :

BFB

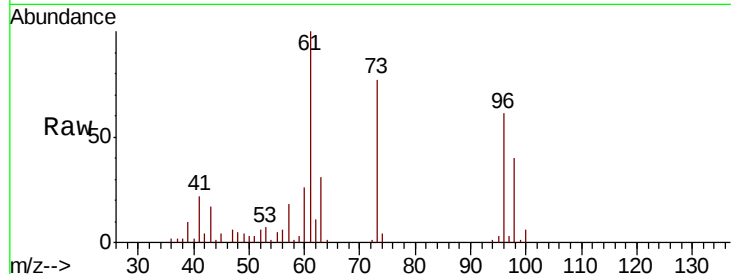
Tgt Ion: 96 Resp: 64796

Ion Ratio Lower Upper

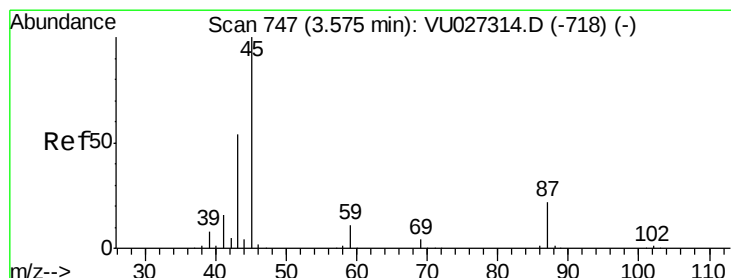
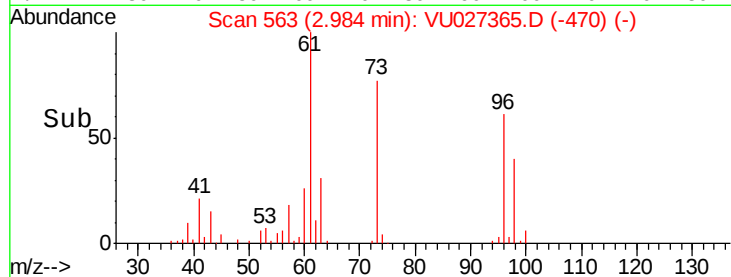
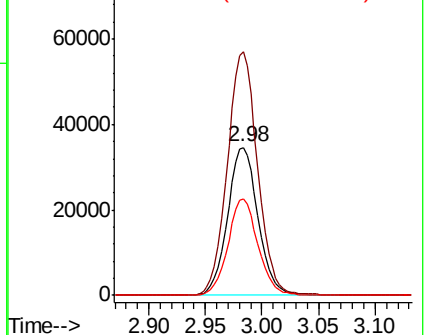
96 100

61 164.3 129.4 194.2

98 65.1 51.2 76.8



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: 50.396 ug/l

RT: 3.58 min Scan# 747

Delta R.T. -0.00 min

Lab File: VU027365.D

Acq: 03 Oct 2018 18:46

Tgt Ion: 45 Resp: 284046

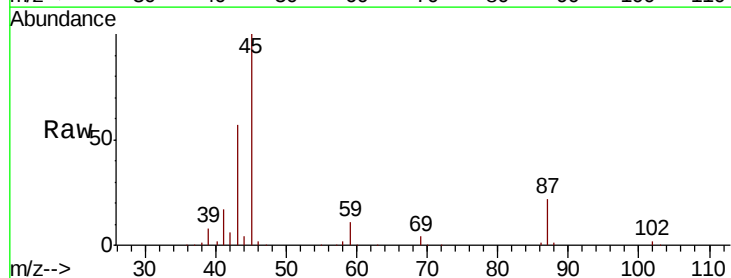
Ion Ratio Lower Upper

45 100

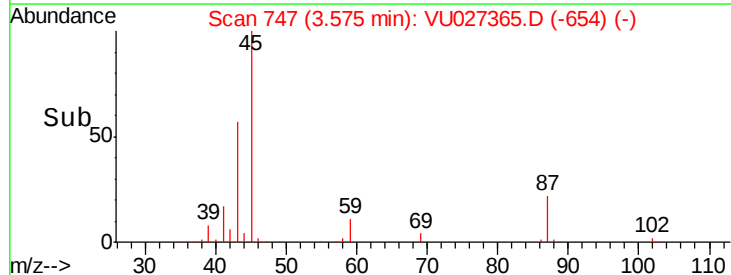
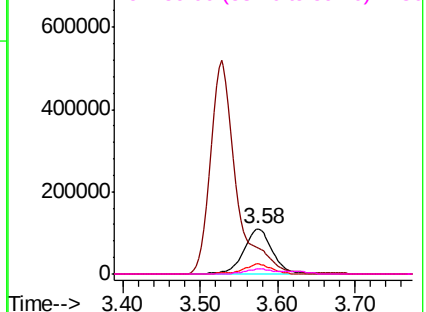
43 55.8 43.4 65.2

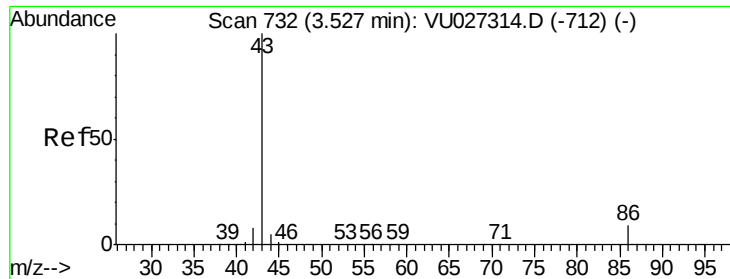
87 21.9 17.5 26.3

59 11.2 8.6 13.0



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: 249.271 ug/l

RT: 3.53 min Scan# 732

Delta R.T. -0.00 min

Lab File: VU027365.D

Acq: 03 Oct 2018 18:46

Instrument :

MSVOA_U

ClientSampleId :

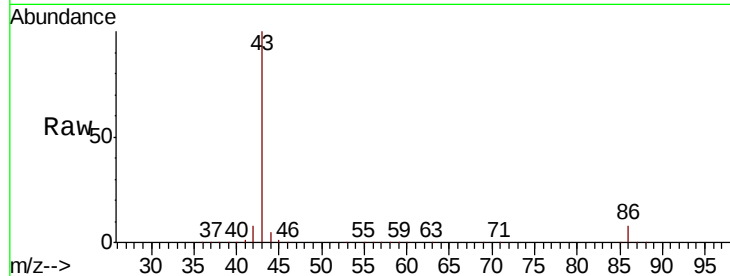
BFB

Tgt Ion: 43 Resp: 1226961

Ion Ratio Lower Upper

43 100

86 8.5 7.0 10.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

3.53

500000

400000

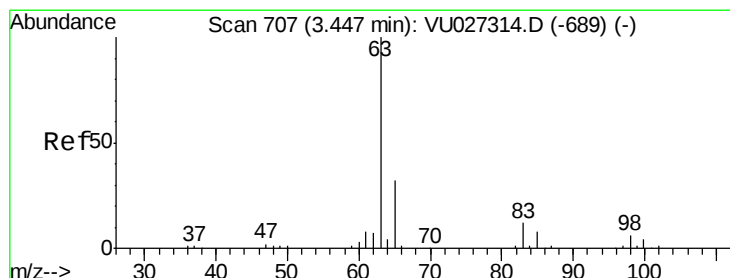
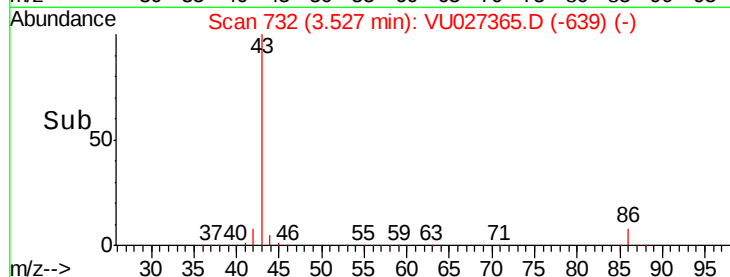
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 50.121 ug/l

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU027365.D

Acq: 03 Oct 2018 18:46

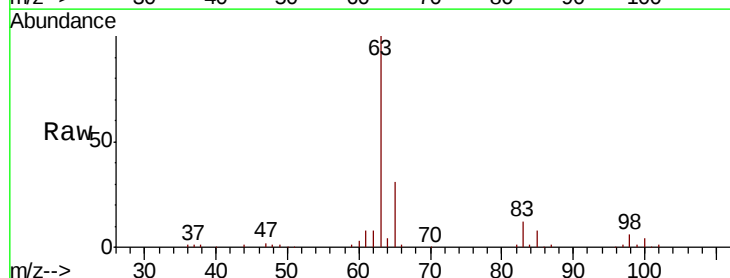
Tgt Ion: 63 Resp: 145225

Ion Ratio Lower Upper

63 100

98 6.2 3.0 9.2

100 3.7 1.8 5.5



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0

3.45

80000

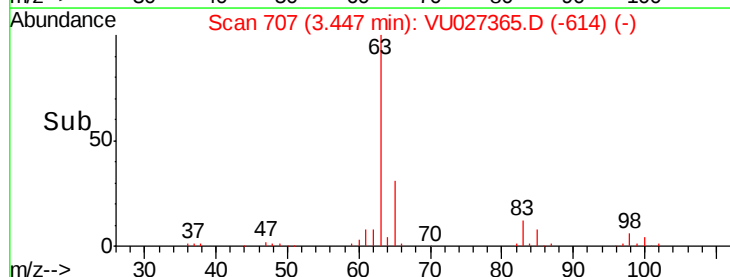
60000

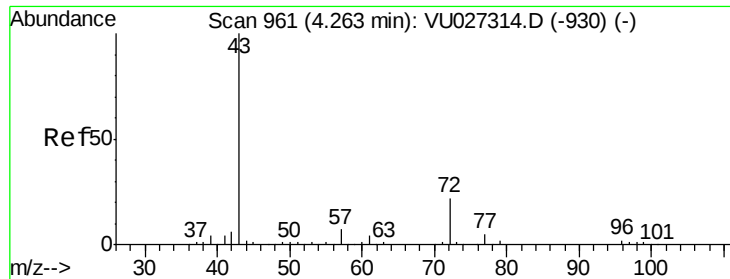
40000

20000

0

Time-->





#25

2-Butanone

Concen: 245.925 ug/l

RT: 4.27 min Scan# 962

Delta R.T. 0.00 min

Lab File: VU027365.D

Acq: 03 Oct 2018 18:46

Instrument :

MSVOA_U

ClientSampleId :

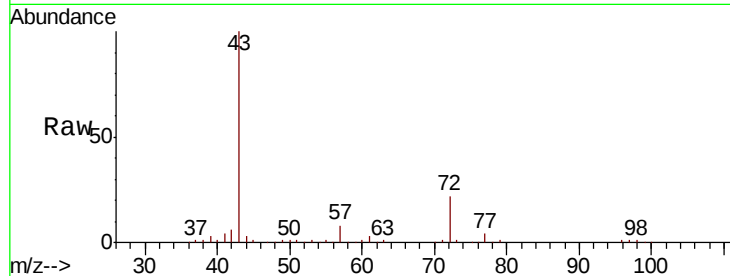
BFB

Tgt Ion: 43 Resp: 365730

Ion Ratio Lower Upper

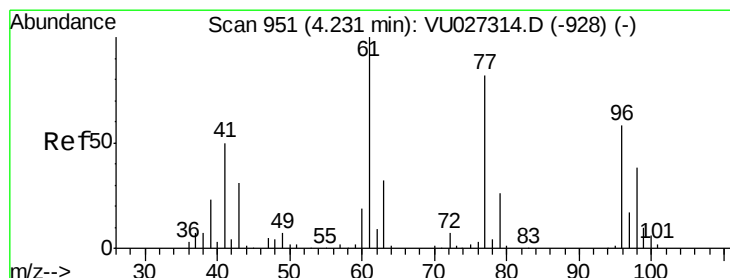
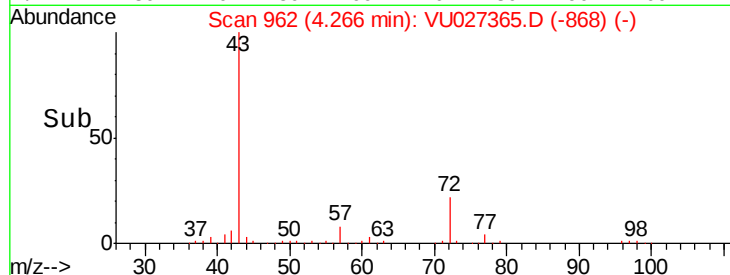
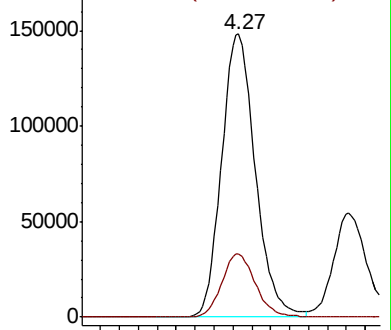
43 100

72 22.4 17.8 26.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#26

2,2-Dichloropropane

Concen: 47.583 ug/l

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU027365.D

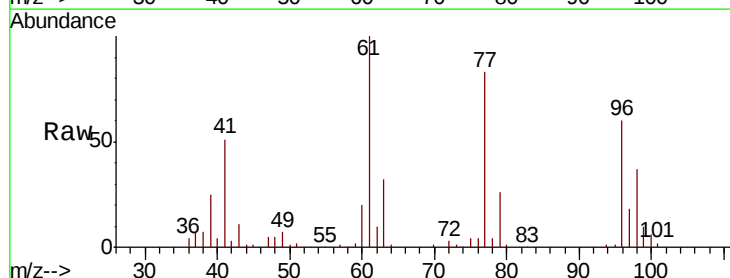
Acq: 03 Oct 2018 18:46

Tgt Ion: 77 Resp: 113288

Ion Ratio Lower Upper

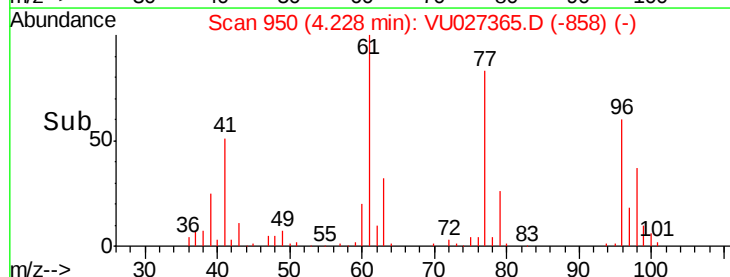
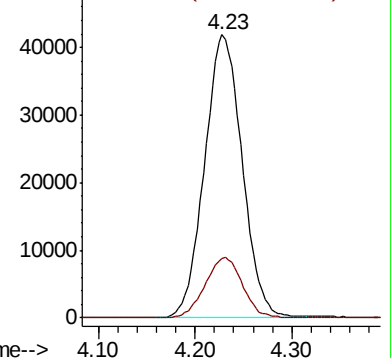
77 100

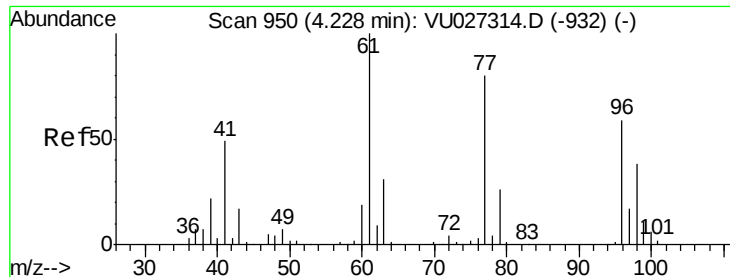
97 21.1 10.4 31.1



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0



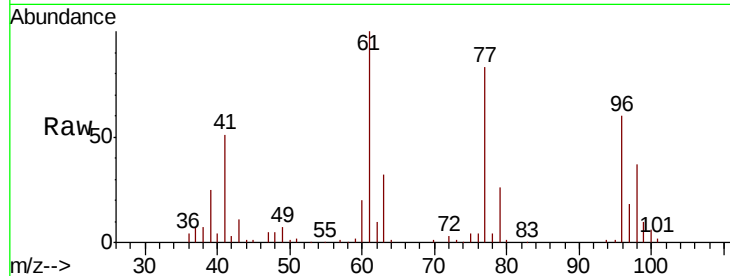


#27

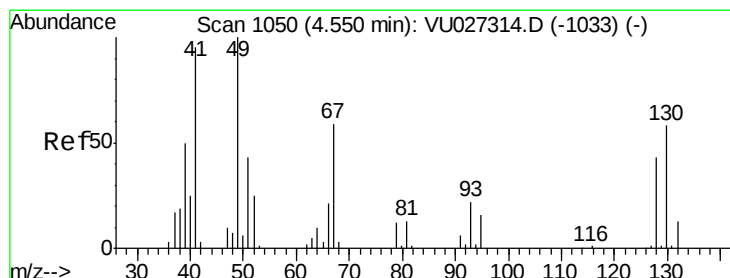
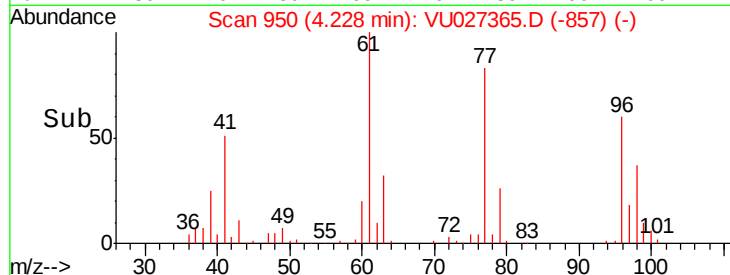
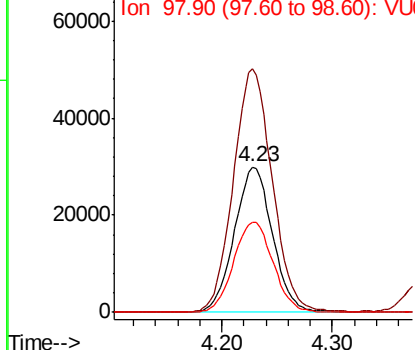
cis-1,2-Dichloroethene
 Concen: 47.824 ug/l
 RT: 4.23 min Scan# 950
 Delta R.T. -0.00 min
 Lab File: VU027365.D
 Acq: 03 Oct 2018 18:46

Instrument :
 MSVOA_U
 ClientSampled :
 BFB

Tgt Ion: 96 Resp: 71703
 Ion Ratio Lower Upper
 96 100
 61 171.1 0.0 343.8
 98 64.3 0.0 129.0



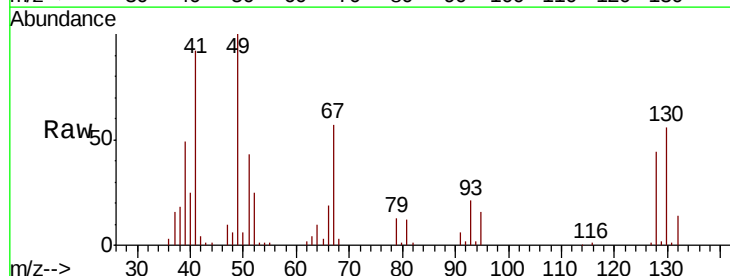
Abundance Ion 95.90 (95.60 to 96.60): VU0
 Ion 60.90 (60.60 to 61.60): VU0
 Ion 97.90 (97.60 to 98.60): VU0



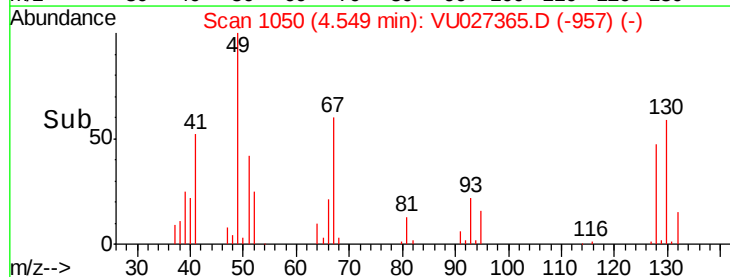
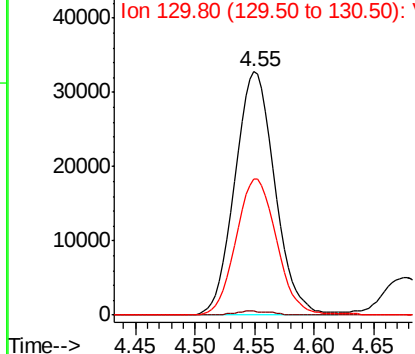
#28

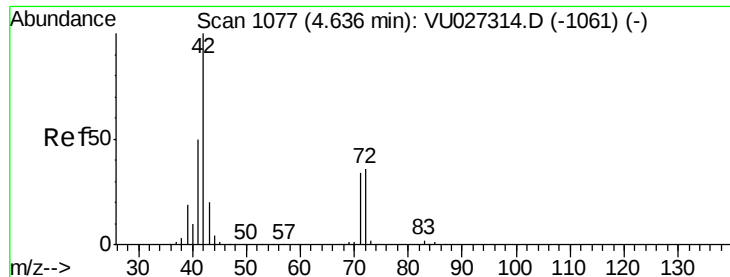
Bromochloromethane
 Concen: 54.751 ug/l
 RT: 4.55 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VU027365.D
 Acq: 03 Oct 2018 18:46

Tgt Ion: 49 Resp: 76538
 Ion Ratio Lower Upper
 49 100
 129 1.6 0.0 3.0
 130 56.5 46.1 69.1



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: 253.708 ug/l

RT: 4.64 min Scan# 1078

Delta R.T. 0.00 min

Lab File: VU027365.D

Acq: 03 Oct 2018 18:46

Instrument :

MSVOA_U

ClientSampleId :

BFB

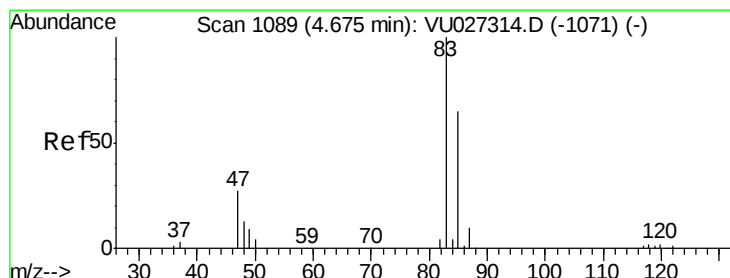
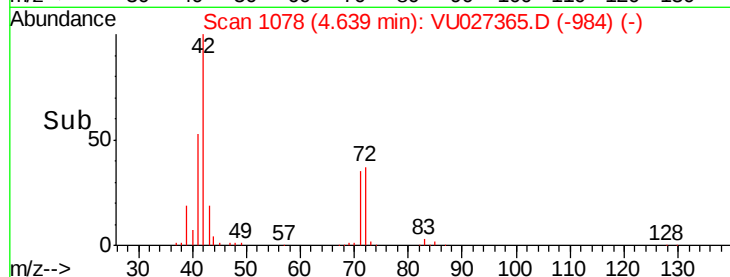
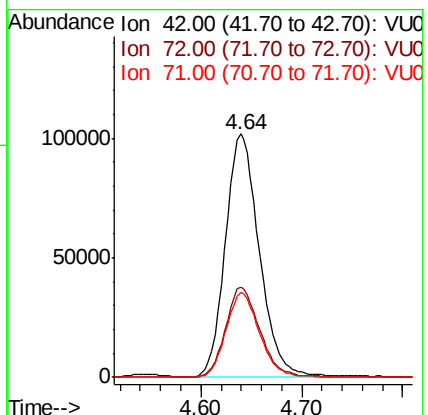
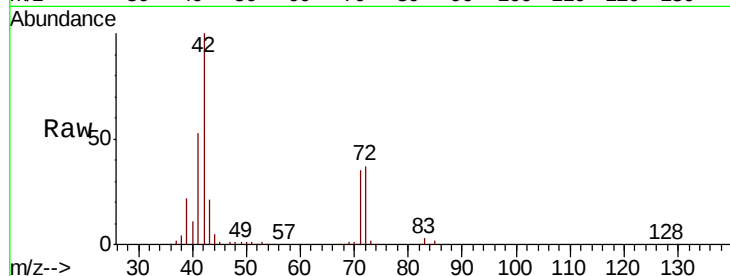
Tgt Ion: 42 Resp: 237783

Ion Ratio Lower Upper

42 100

72 37.7 30.1 45.1

71 34.7 27.7 41.5



#30

Chloroform

Concen: 52.031 ug/l

RT: 4.67 min Scan# 1089

Delta R.T. -0.00 min

Lab File: VU027365.D

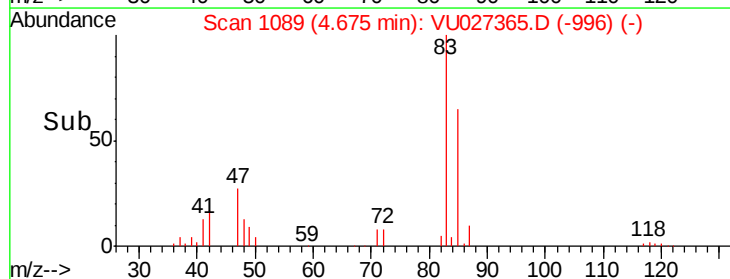
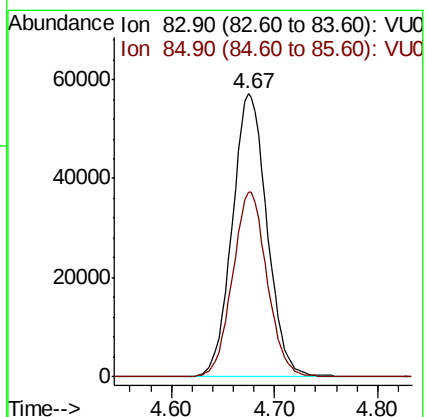
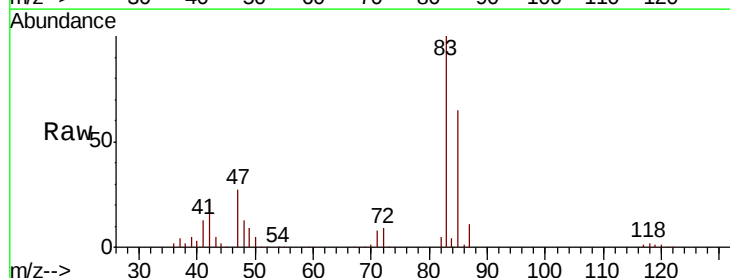
Acq: 03 Oct 2018 18:46

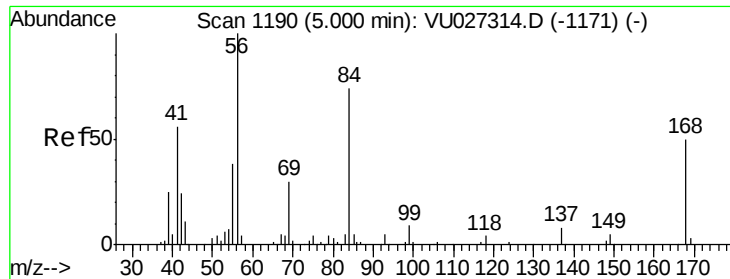
Tgt Ion: 83 Resp: 133946

Ion Ratio Lower Upper

83 100

85 65.4 51.8 77.6

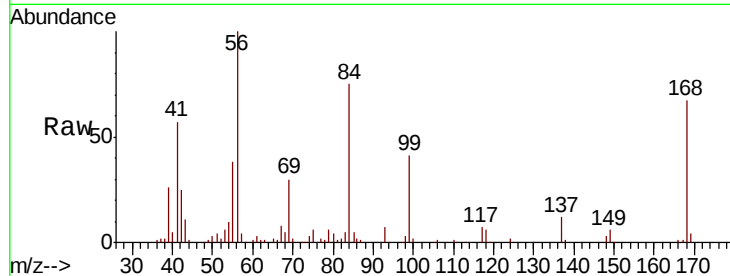




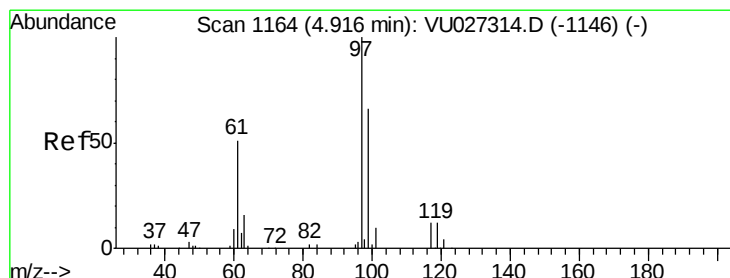
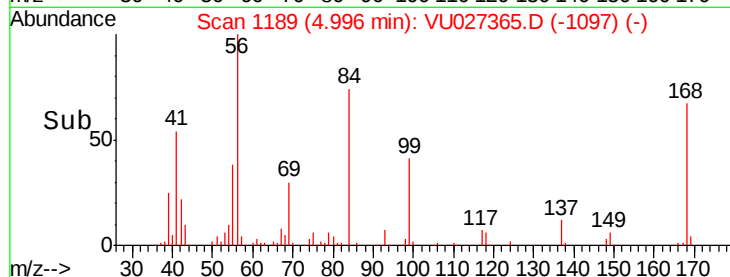
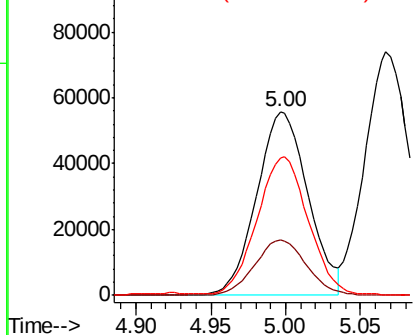
#31
Cyclohexane
Concen: 44.865 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. -0.00 min
Lab File: VU027365.D
Acq: 03 Oct 2018 18:46

Instrument :
MSVOA_U
ClientSampleId :
BFB

Tgt Ion: 56 Resp: 132907
Ion Ratio Lower Upper
56 100
69 30.0 24.1 36.1
84 74.0 59.1 88.7

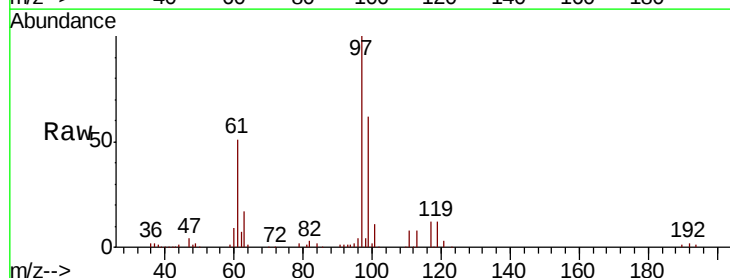


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

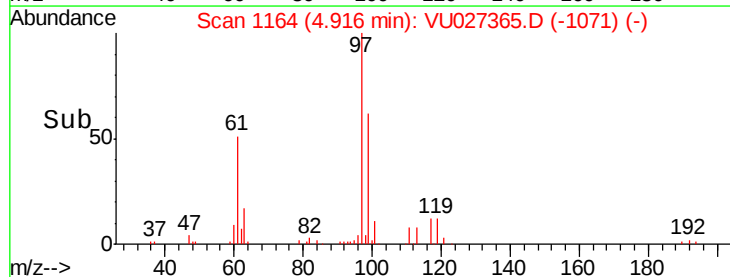
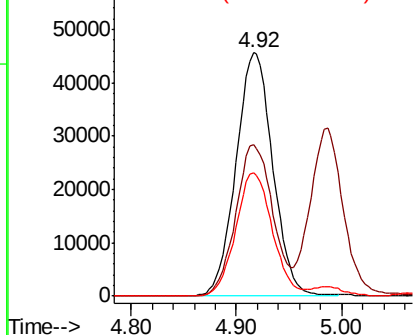


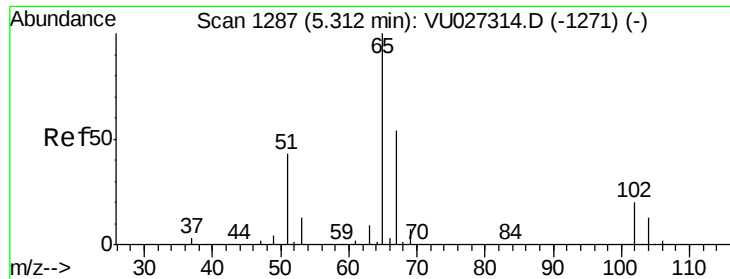
#32
1,1,1-Trichloroethane
Concen: 51.029 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. -0.00 min
Lab File: VU027365.D
Acq: 03 Oct 2018 18:46

Tgt Ion: 97 Resp: 110638
Ion Ratio Lower Upper
97 100
99 62.4 51.1 76.7
61 50.5 39.6 59.4



Abundance Ion 96.90 (96.60 to 97.60): VU0
Ion 98.90 (98.60 to 99.60): VU0
Ion 60.90 (60.60 to 61.60): VU0

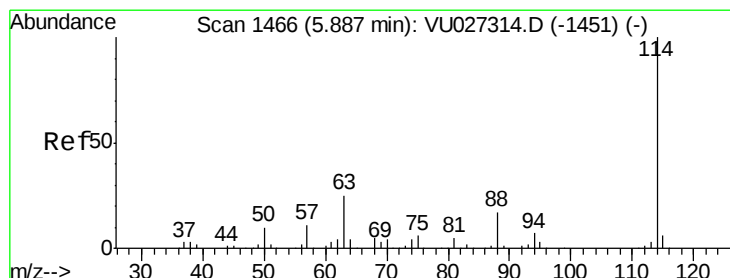
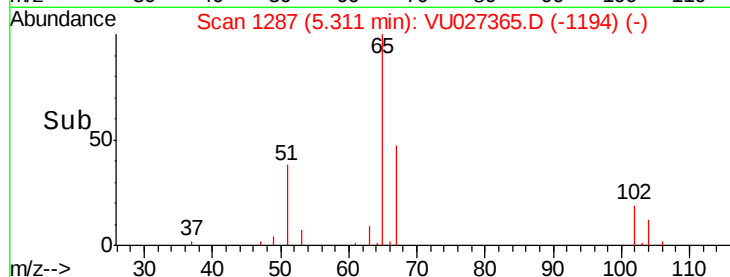
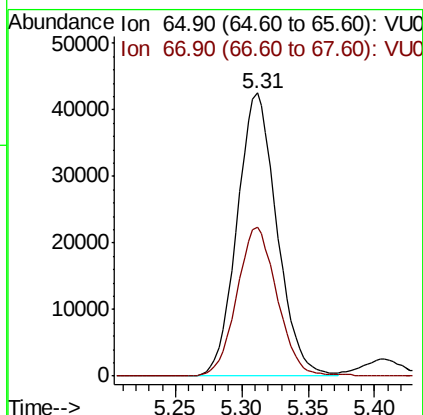
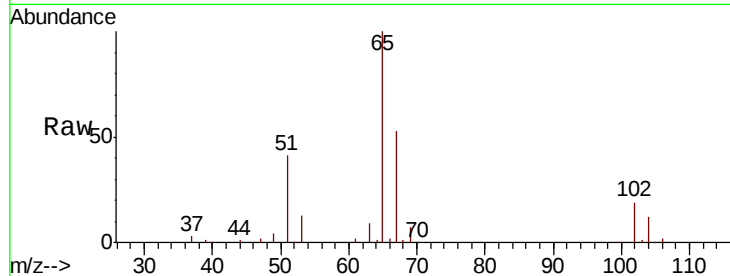




#33
 1,2-Dichloroethane-d4
 Concen: 48.037 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU027365.D
 Acq: 03 Oct 2018 18:46

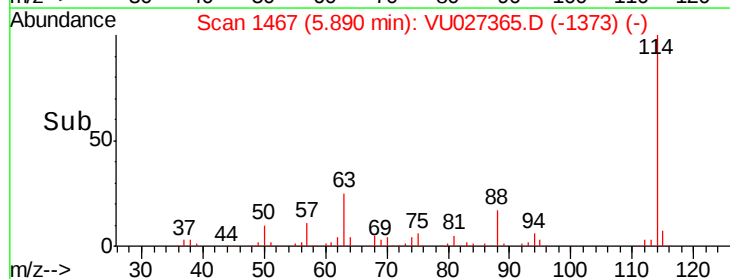
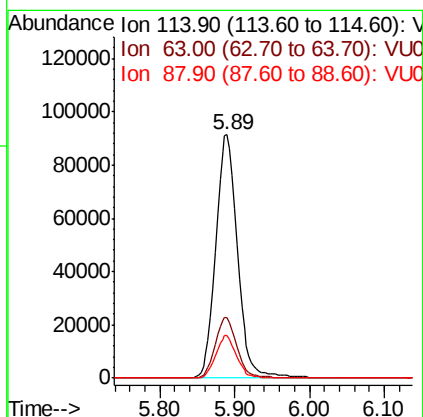
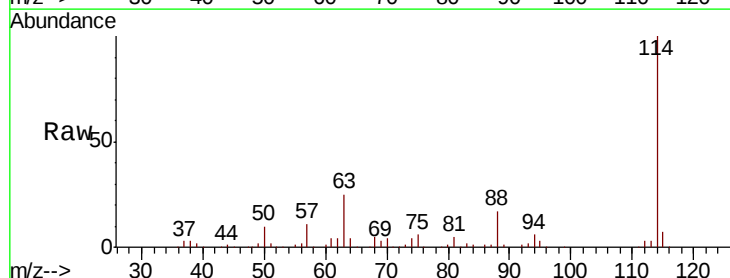
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB

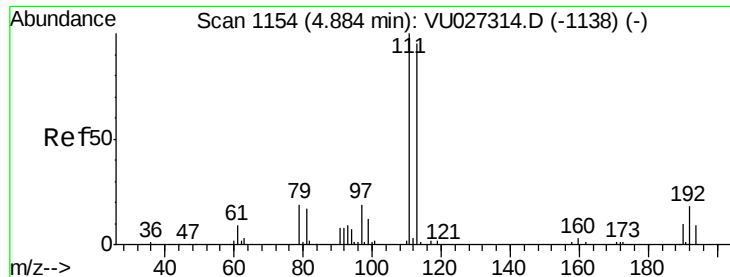
Tgt Ion: 65 Resp: 88679
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 107.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU027365.D
 Acq: 03 Oct 2018 18:46

Tgt Ion: 114 Resp: 184920
 Ion Ratio Lower Upper
 114 100
 63 24.8 0.0 50.2
 88 17.3 0.0 33.8

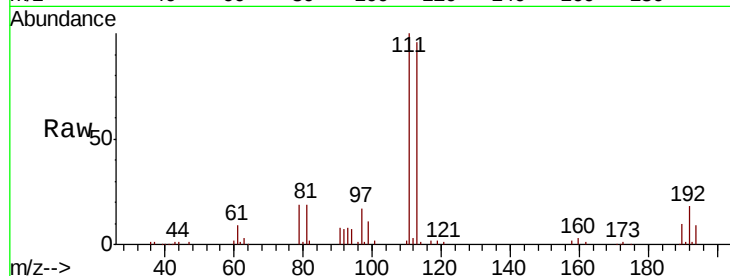




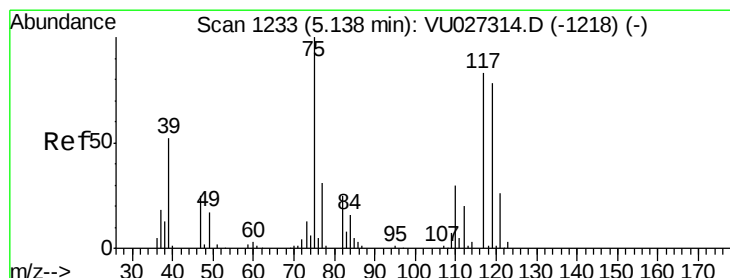
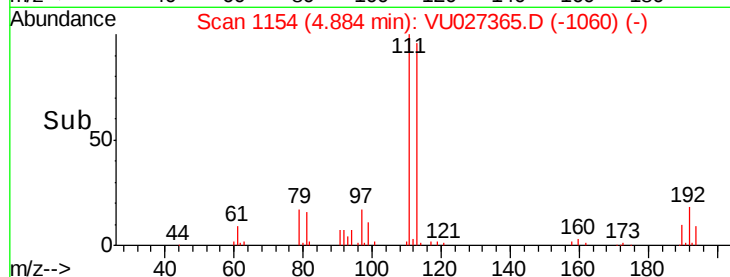
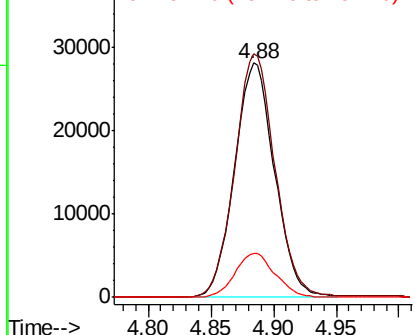
#35
 Dibromofluoromethane
 Concen: 49.378 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU027365.D
 Acq: 03 Oct 2018 18:46

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB

Tgt Ion:113 Resp: 62577
 Ion Ratio Lower Upper
 113 100
 111 104.1 83.1 124.7
 192 18.6 15.4 23.0

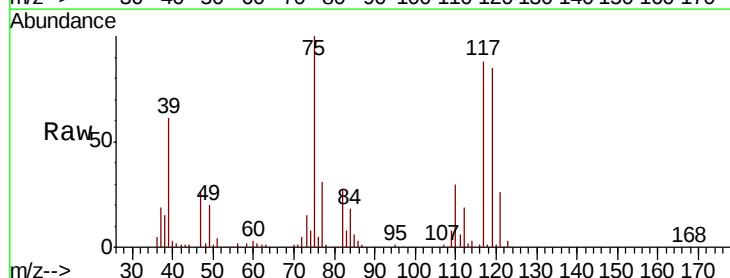


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

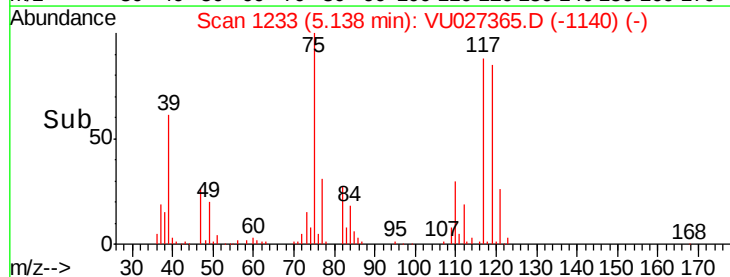
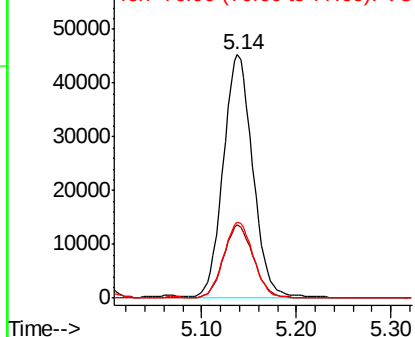


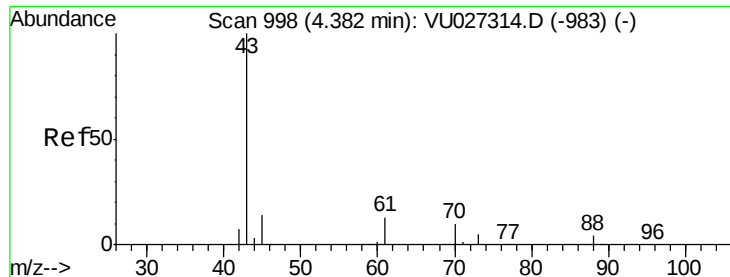
#36
 1,1-Dichloropropene
 Concen: 48.630 ug/l
 RT: 5.14 min Scan# 1233
 Delta R.T. -0.00 min
 Lab File: VU027365.D
 Acq: 03 Oct 2018 18:46

Tgt Ion: 75 Resp: 97640
 Ion Ratio Lower Upper
 75 100
 110 30.6 15.5 46.5
 77 31.7 25.4 38.0



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: 51.413 ug/l

RT: 4.38 min Scan# 998

Delta R.T. -0.00 min

Lab File: VU027365.D

Acq: 03 Oct 2018 18:46

Instrument :

MSVOA_U

ClientSampleId :

BFB

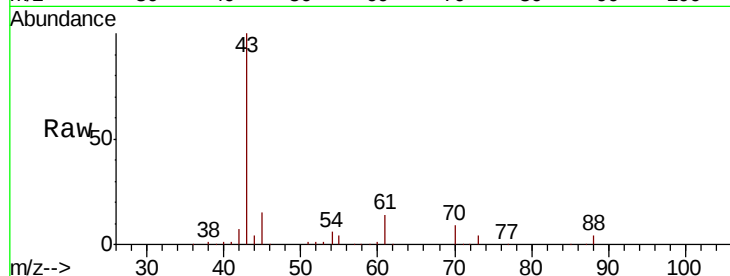
Tgt Ion: 43 Resp: 133410

Ion Ratio Lower Upper

43 100

61 12.2 10.7 16.1

70 9.0 7.4 11.2



Abundance Ion 43.00 (42.70 to 43.70): VU027314.D (-983) (-)

Ion 60.90 (60.60 to 61.60): VU027314.D (-983) (-)

Ion 70.00 (69.70 to 70.70): VU027314.D (-983) (-)

200000

150000

100000

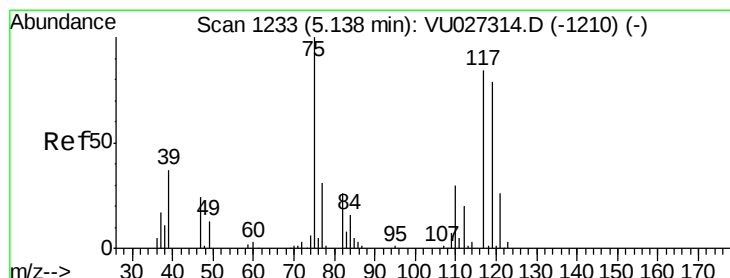
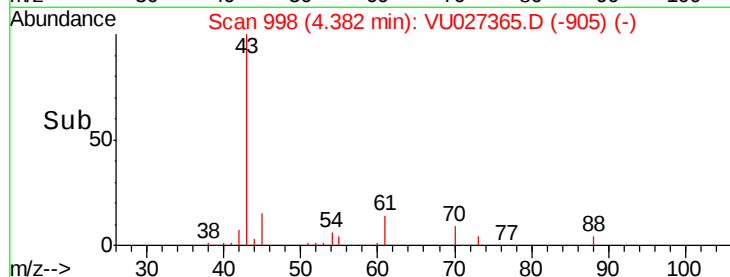
50000

0

4.38

Time-->

4.30 4.40 4.50



#38

Carbon Tetrachloride

Concen: 51.684 ug/l

RT: 5.14 min Scan# 1233

Delta R.T. -0.00 min

Lab File: VU027365.D

Acq: 03 Oct 2018 18:46

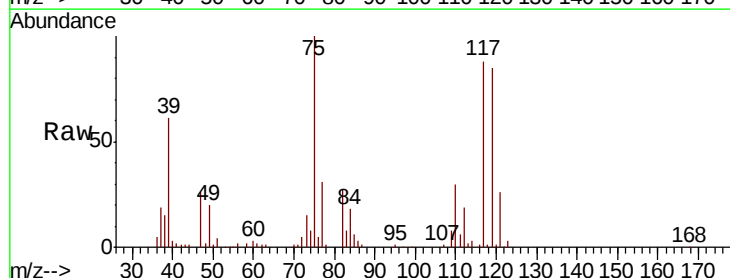
Tgt Ion: 117 Resp: 93738

Ion Ratio Lower Upper

117 100

119 96.1 74.5 111.7

121 29.3 24.6 37.0



Abundance Ion 116.80 (116.50 to 117.50): VU027314.D (-1210) (-)

Ion 118.80 (118.50 to 119.50): VU027314.D (-1210) (-)

Ion 120.80 (120.50 to 121.50): VU027314.D (-1210) (-)

50000

40000

30000

20000

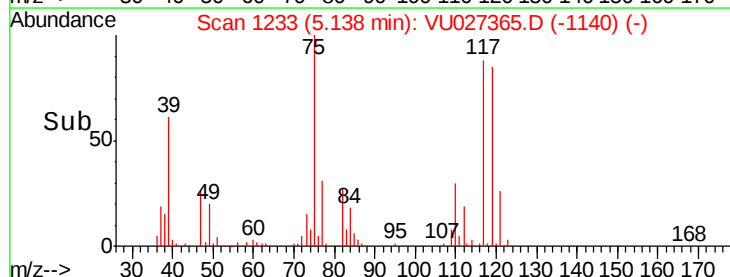
10000

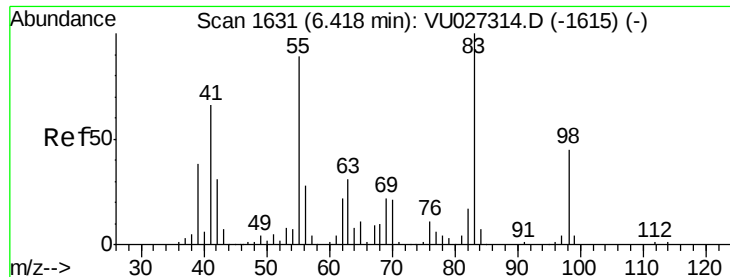
0

5.14

Time-->

5.00 5.10 5.20

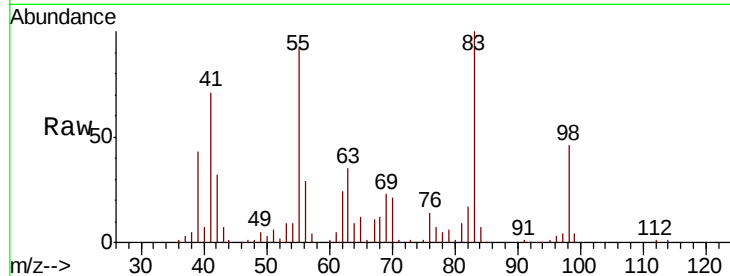




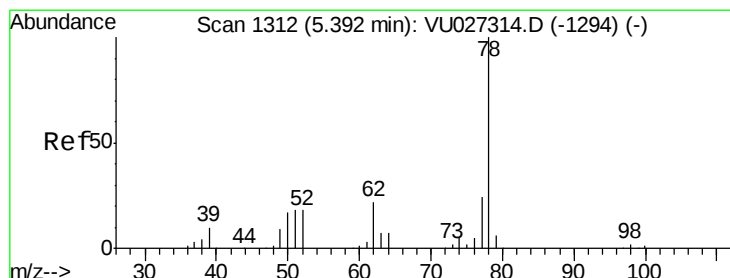
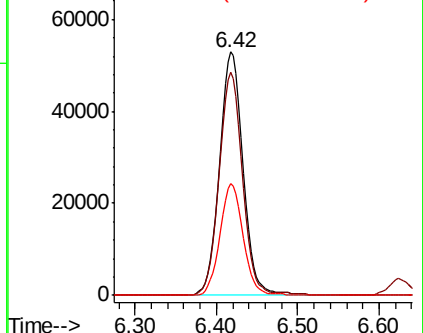
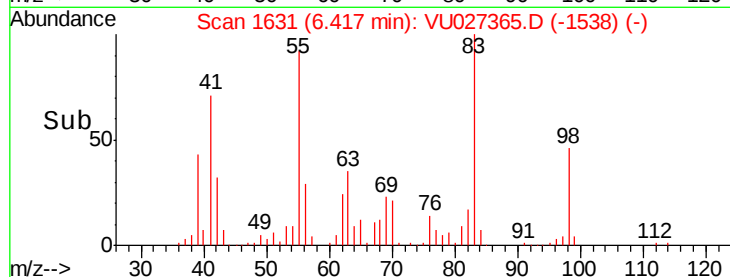
#39
Methylcyclohexane
Concen: 46.268 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. -0.00 min
Lab File: VU027365.D
Acq: 03 Oct 2018 18:46

Instrument :
MSVOA_U
ClientSampleId :
BFB

Tgt Ion: 83 Resp: 108592
Ion Ratio Lower Upper
83 100
55 91.7 71.1 106.7
98 46.0 36.3 54.5

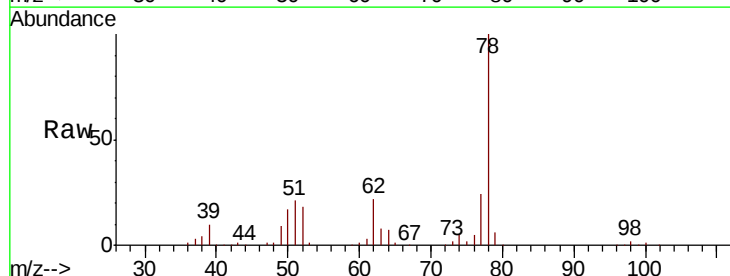


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

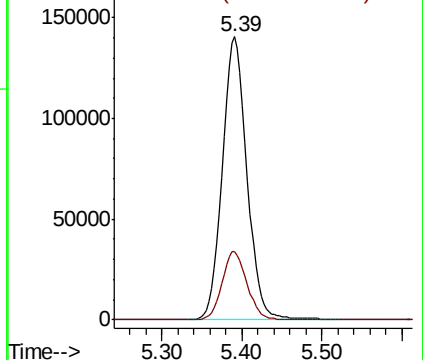
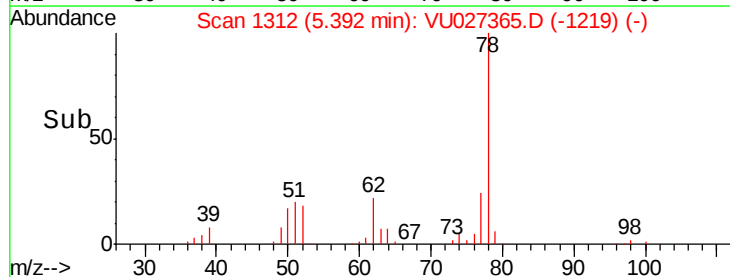


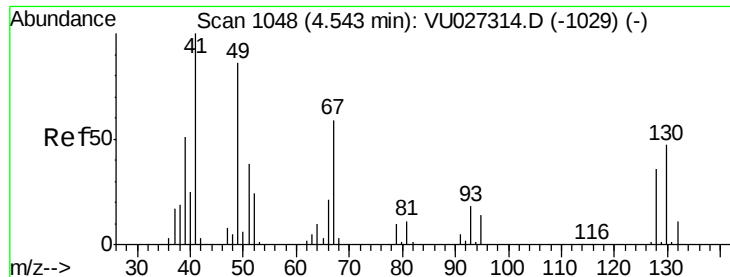
#40
Benzene
Concen: 50.787 ug/l
RT: 5.39 min Scan# 1312
Delta R.T. -0.00 min
Lab File: VU027365.D
Acq: 03 Oct 2018 18:46

Tgt Ion: 78 Resp: 297030
Ion Ratio Lower Upper
78 100
77 24.1 19.3 28.9



Abundance Ion 78.00 (77.70 to 78.70): VU0
Ion 77.00 (76.70 to 77.70): VU0

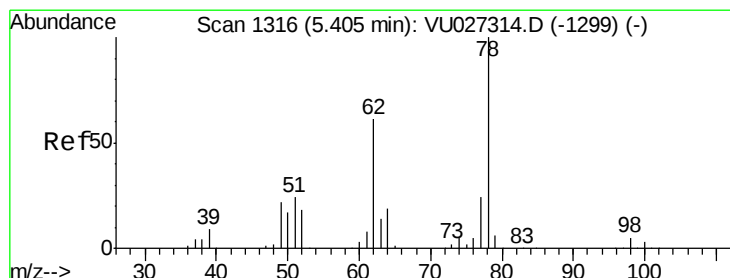
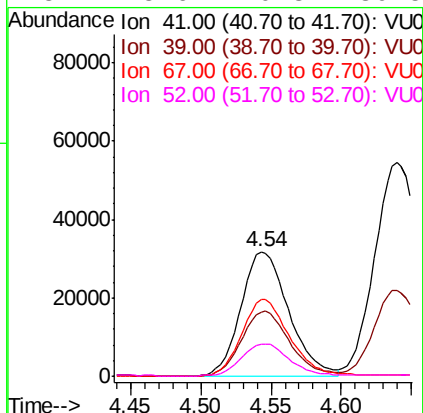
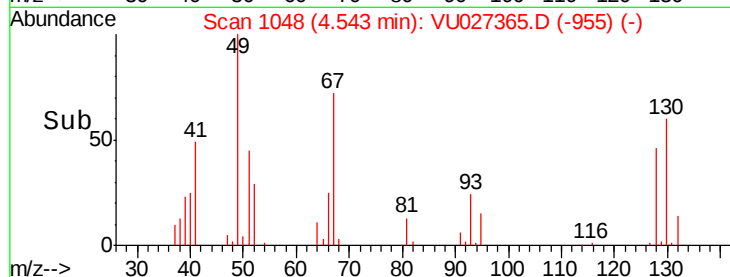
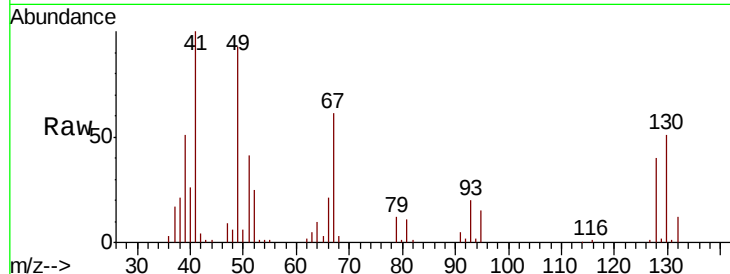




#41
Methacrylonitrile
Concen: 51.616 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. -0.00 min
Lab File: VU027365.D
Acq: 03 Oct 2018 18:46

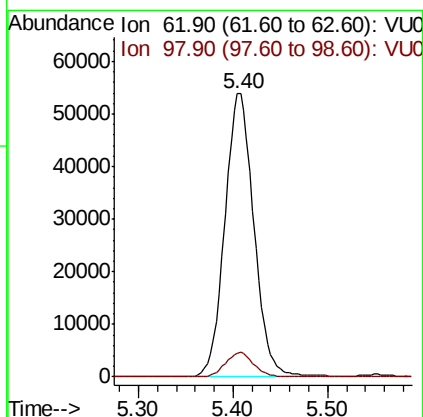
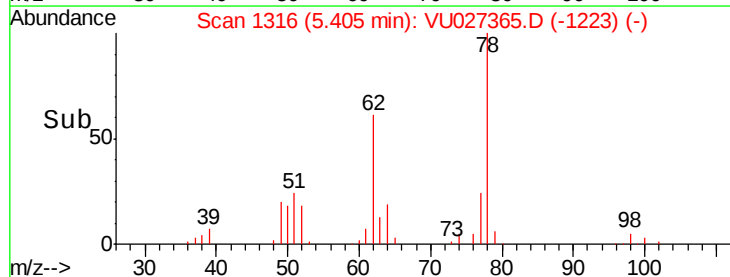
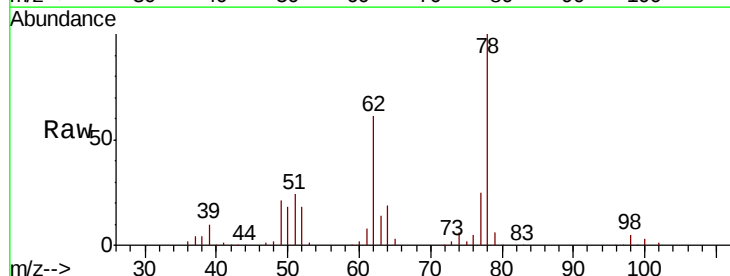
Instrument :
MSVOA_U
ClientSampled :
BFB

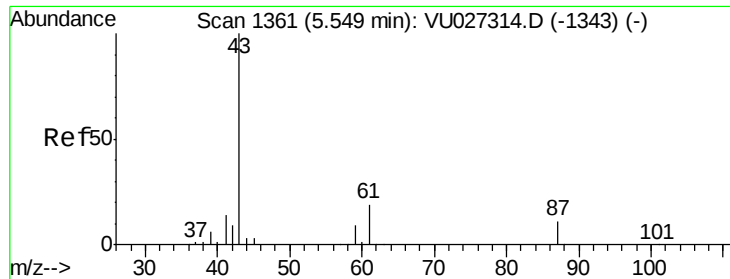
Tgt Ion: 41 Resp: 75704
Ion Ratio Lower Upper
41 100
39 52.4 41.1 61.7
67 61.6 50.4 75.6
52 25.6 20.3 30.5



#42
1,2-Dichloroethane
Concen: 53.024 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VU027365.D
Acq: 03 Oct 2018 18:46

Tgt Ion: 62 Resp: 115111
Ion Ratio Lower Upper
62 100
98 8.3 0.0 16.8

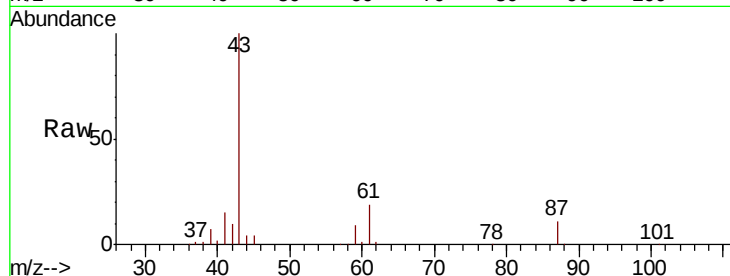




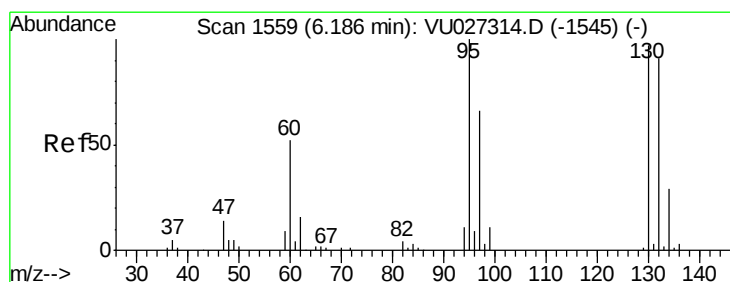
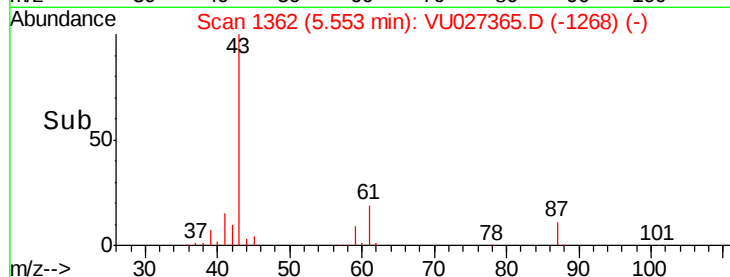
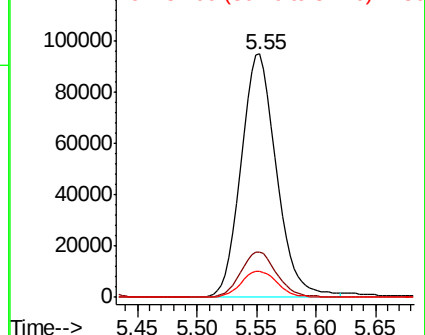
#43
Isopropyl Acetate
Concen: 48.451 ug/l
RT: 5.55 min Scan# 1362
Delta R.T. 0.00 min
Lab File: VU027365.D
Acq: 03 Oct 2018 18:46

Instrument :
MSVOA_U
ClientSampleId :
BFB

Tgt Ion: 43 Resp: 195265
Ion Ratio Lower Upper
43 100
61 19.0 15.3 22.9
87 11.1 8.6 13.0

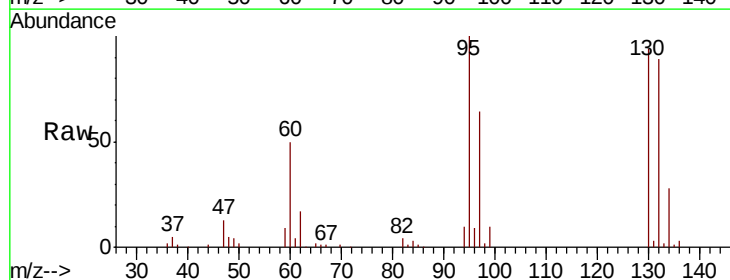


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 87.00 (86.70 to 87.70): VU0

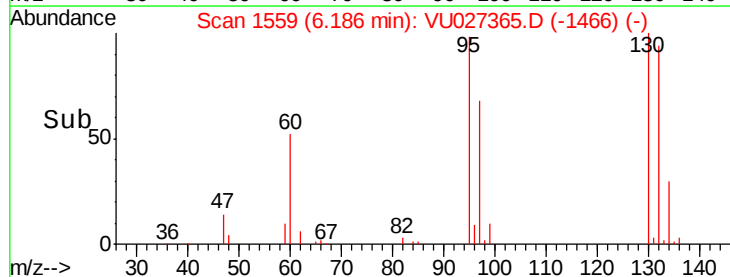
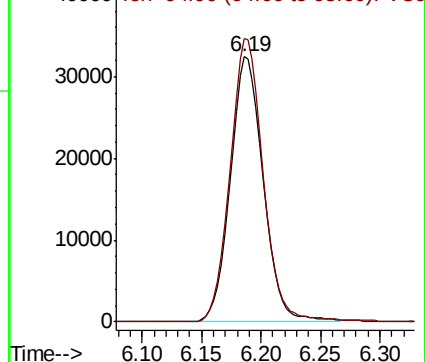


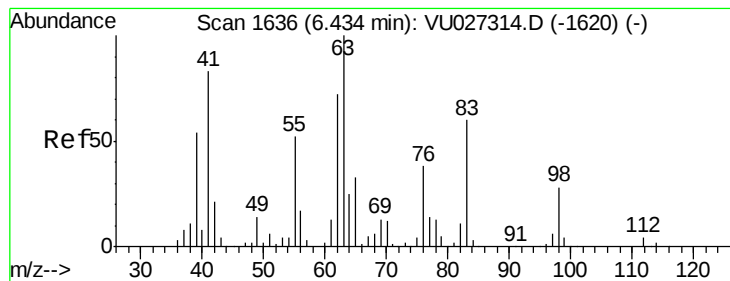
#44
Trichloroethene
Concen: 47.739 ug/l
RT: 6.19 min Scan# 1559
Delta R.T. -0.00 min
Lab File: VU027365.D
Acq: 03 Oct 2018 18:46

Tgt Ion: 130 Resp: 62257
Ion Ratio Lower Upper
130 100
95 106.7 0.0 207.0



Abundance Ion 129.80 (129.50 to 130.50): V
40000 Ion 94.90 (94.60 to 95.60): VU0





#45

1,2-Dichloropropane

Concen: 52.258 ug/l

RT: 6.43 min Scan# 1636

Delta R.T. -0.00 min

Lab File: VU027365.D

Acq: 03 Oct 2018 18:46

Instrument :

MSVOA_U

ClientSampled :

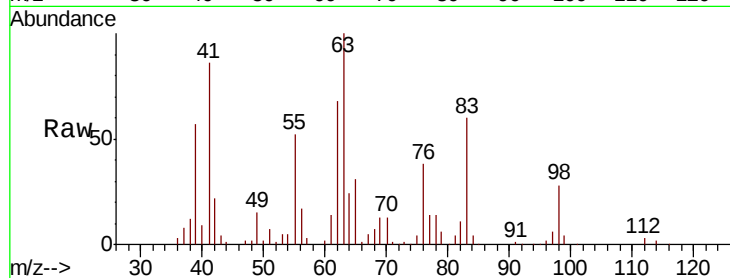
BFB

Tgt Ion: 63 Resp: 88155

Ion Ratio Lower Upper

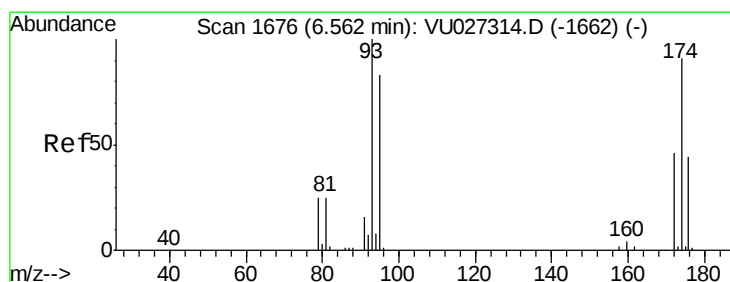
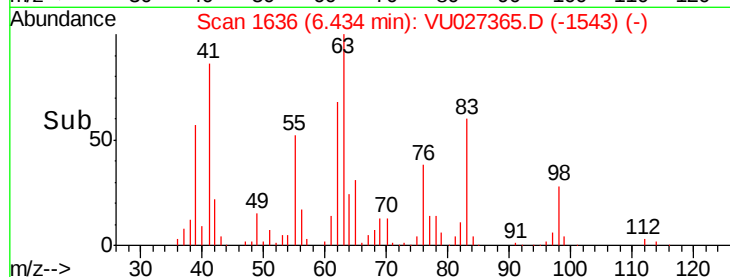
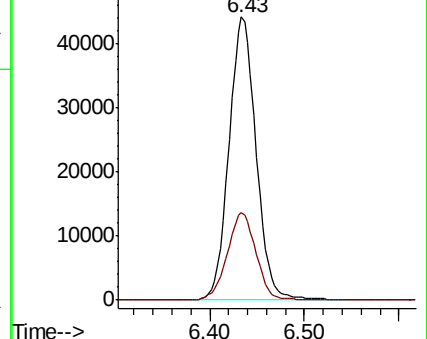
63 100

65 31.2 26.0 39.0



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 64.90 (64.60 to 65.60): VU0



#46

Dibromomethane

Concen: 53.282 ug/l

RT: 6.56 min Scan# 1676

Delta R.T. -0.00 min

Lab File: VU027365.D

Acq: 03 Oct 2018 18:46

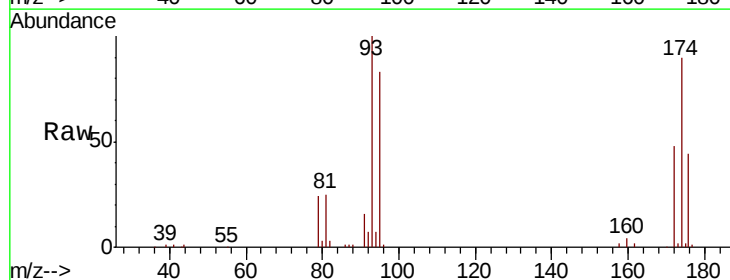
Tgt Ion: 93 Resp: 50764

Ion Ratio Lower Upper

93 100

95 82.3 66.5 99.7

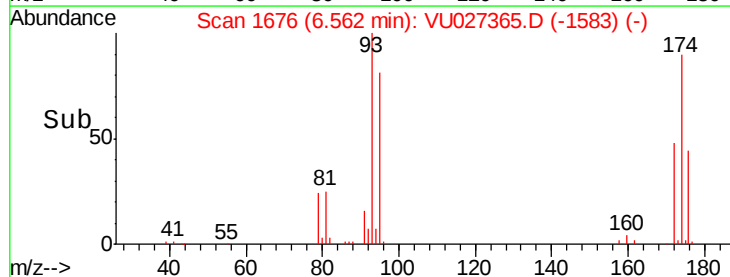
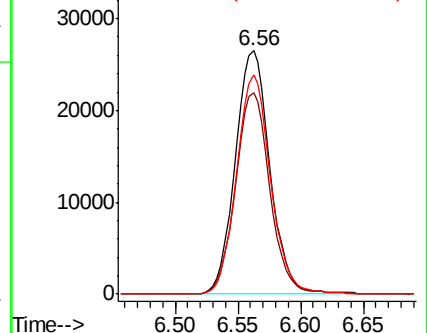
174 88.9 72.5 108.7

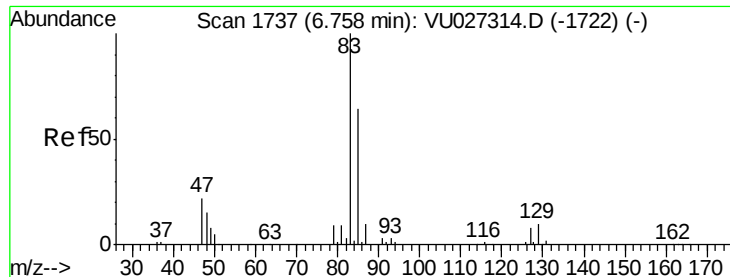


Abundance Ion 92.80 (92.50 to 93.50): VU0

Ion 94.80 (94.50 to 95.50): VU0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 52.190 ug/l

RT: 6.76 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VU027365.D

Acq: 03 Oct 2018 18:46

Instrument :

MSVOA_U

ClientSampleId :

BFB

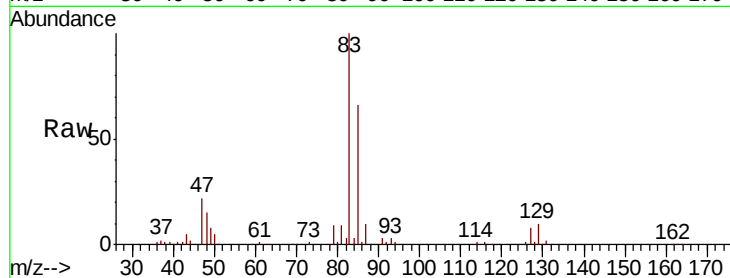
Tgt Ion: 83 Resp: 103176

Ion Ratio Lower Upper

83 100

85 65.9 51.4 77.0

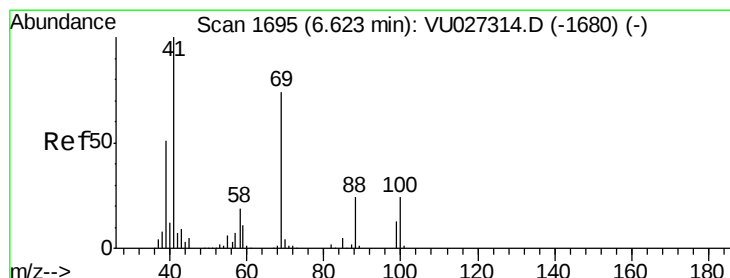
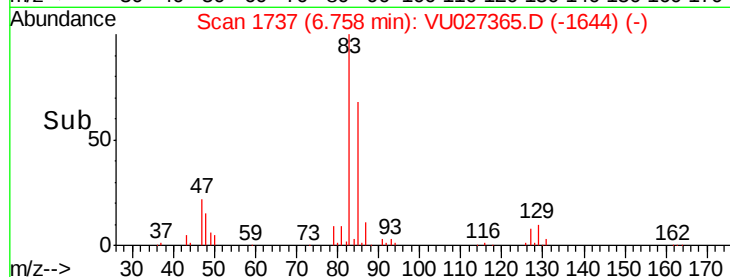
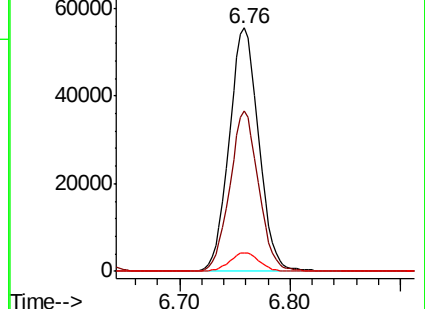
127 7.7 6.3 9.5



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 51.820 ug/l

RT: 6.62 min Scan# 1695

Delta R.T. -0.00 min

Lab File: VU027365.D

Acq: 03 Oct 2018 18:46

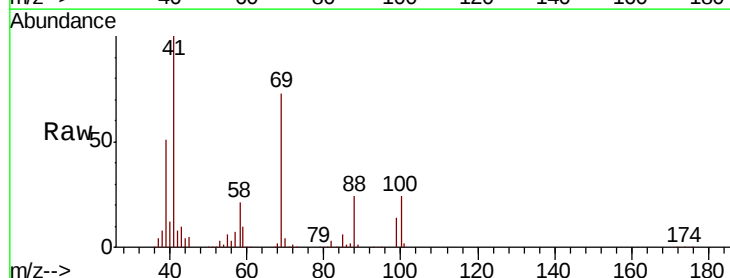
Tgt Ion: 41 Resp: 103854

Ion Ratio Lower Upper

41 100

69 74.5 61.0 91.4

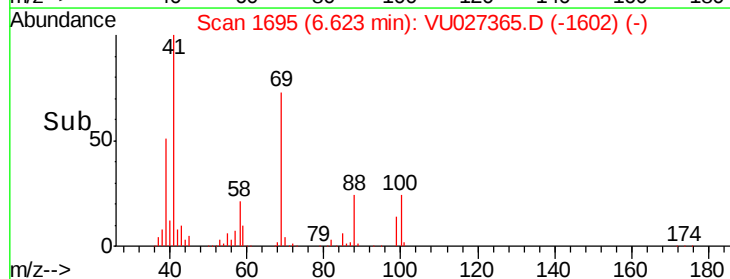
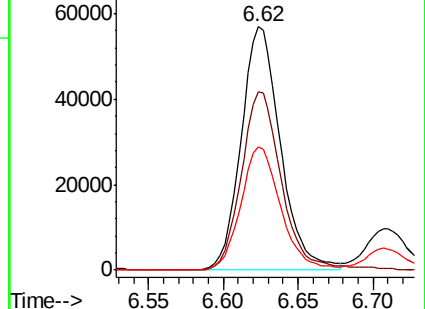
39 50.9 39.9 59.9

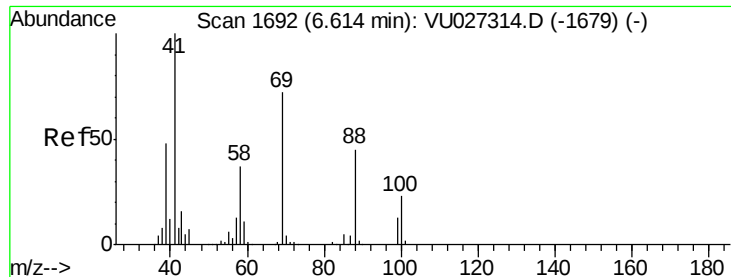


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

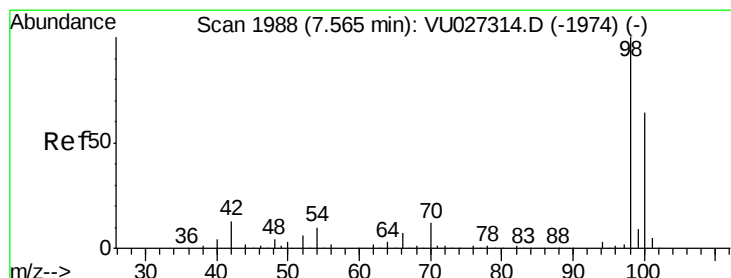
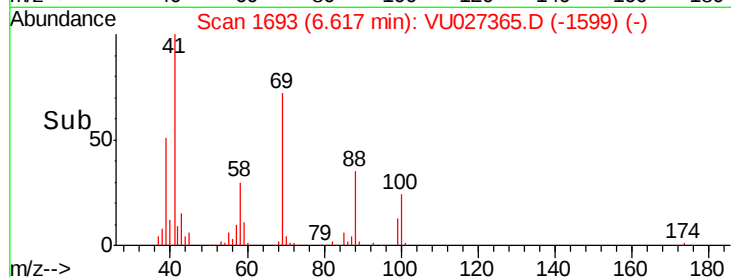
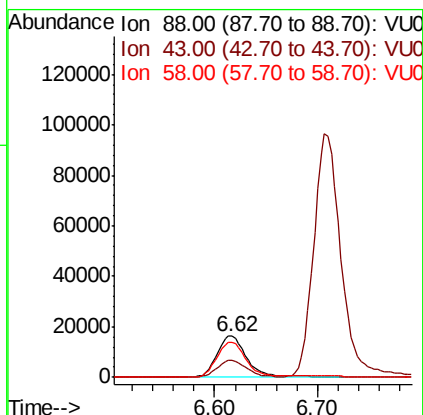
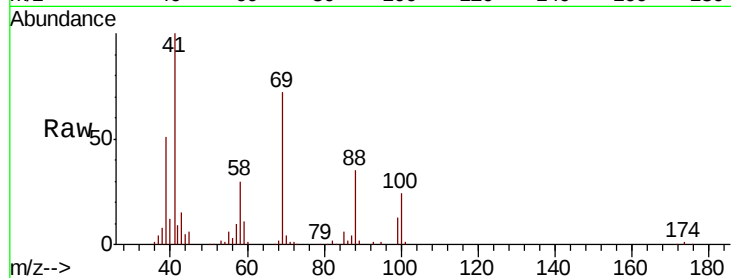




#49
1,4-Dioxane
Concen: 969.409 ug/l
RT: 6.62 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VU027365.D
Acq: 03 Oct 2018 18:46

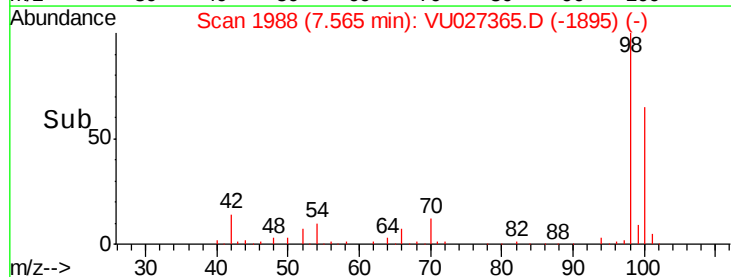
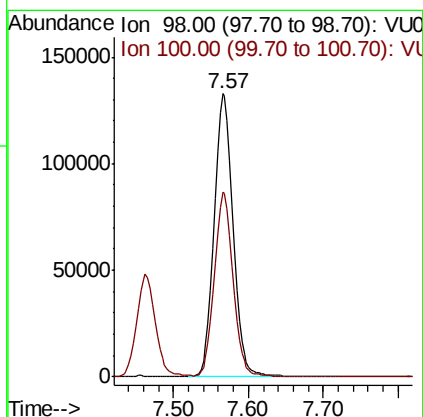
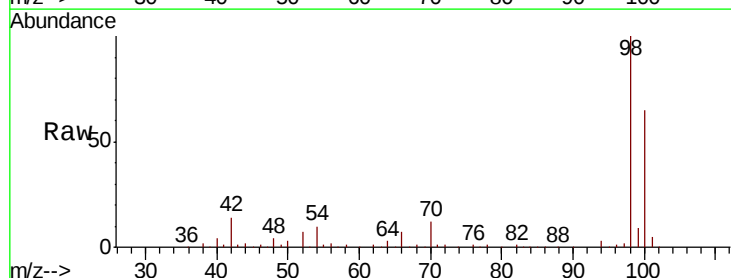
Instrument :
MSVOA_U
ClientSampleId :
BFB

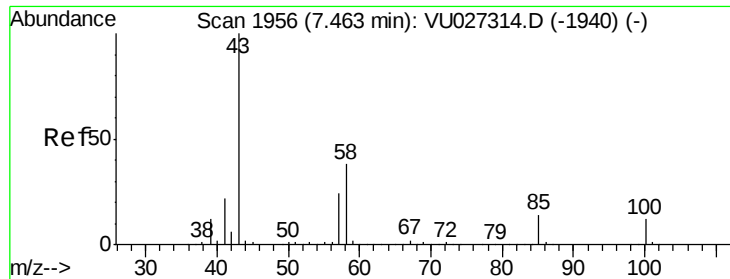
Tgt Ion: 88 Resp: 33428
Ion Ratio Lower Upper
88 100
43 40.3 30.8 46.2
58 83.1 67.0 100.6



#50
Toluene-d8
Concen: 49.594 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VU027365.D
Acq: 03 Oct 2018 18:46

Tgt Ion: 98 Resp: 235232
Ion Ratio Lower Upper
98 100
100 64.3 52.1 78.1





#51

4-Methyl-2-Pentanone

Concen: 267.052 ug/l

RT: 7.46 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VU027365.D

Acq: 03 Oct 2018 18:46

Instrument :

MSVOA_U

ClientSampled :

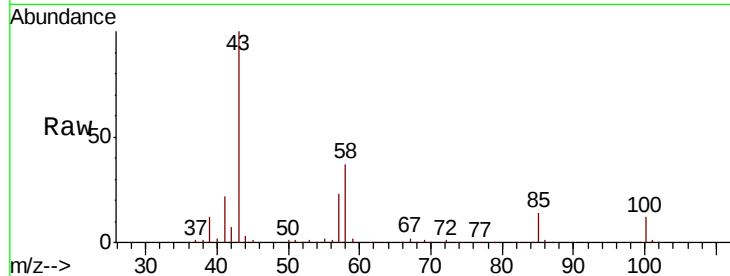
BFB

Tgt Ion: 43 Resp: 699368

Ion Ratio Lower Upper

43 100

58 36.4 29.8 44.8



Abundance Ion 43.00 (42.70 to 43.70): VU027314.D (-1940) (-)

Ion 58.00 (57.70 to 58.70): VU027314.D (-1940) (-)

7.46

400000

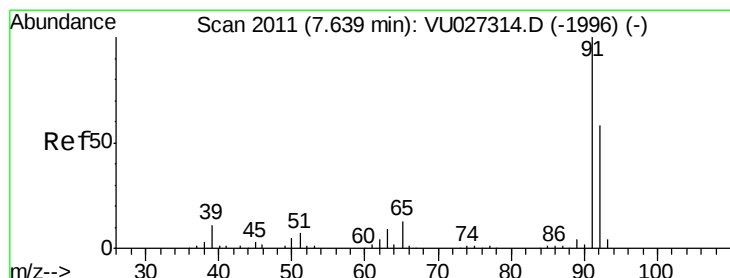
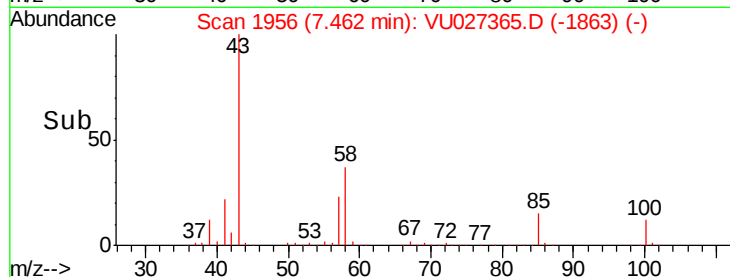
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 50.281 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. -0.00 min

Lab File: VU027365.D

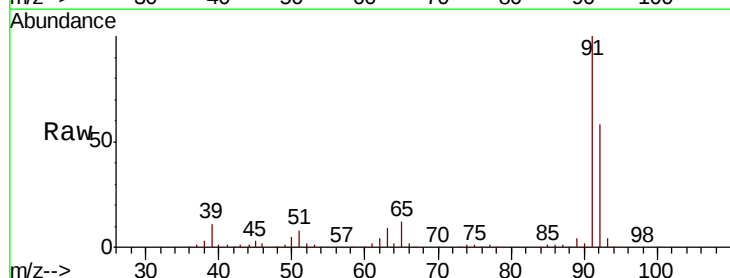
Acq: 03 Oct 2018 18:46

Tgt Ion: 92 Resp: 174056

Ion Ratio Lower Upper

92 100

91 173.4 138.6 208.0



Abundance Ion 92.00 (91.70 to 92.70): VU027314.D (-1996) (-)

Ion 91.00 (90.70 to 91.70): VU027314.D (-1996) (-)

200000

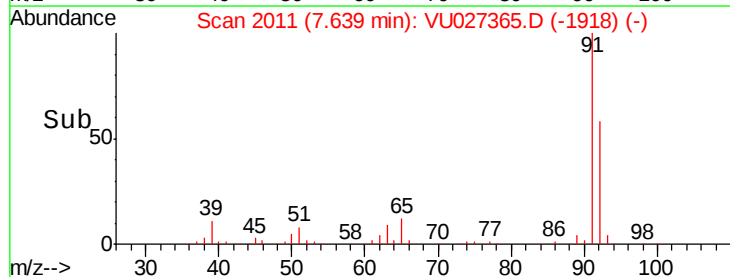
150000

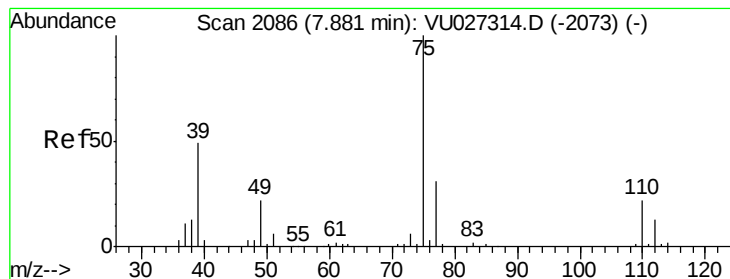
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 49.590 ug/l

RT: 7.88 min Scan# 2086

Delta R.T. -0.00 min

Lab File: VU027365.D

Acq: 03 Oct 2018 18:46

Instrument :

MSVOA_U

ClientSampleId :

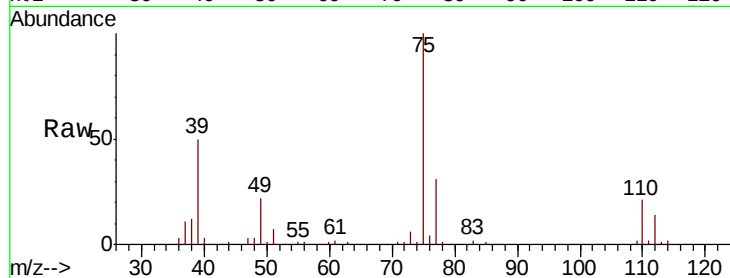
BFB

Tgt Ion: 75 Resp: 114944

Ion Ratio Lower Upper

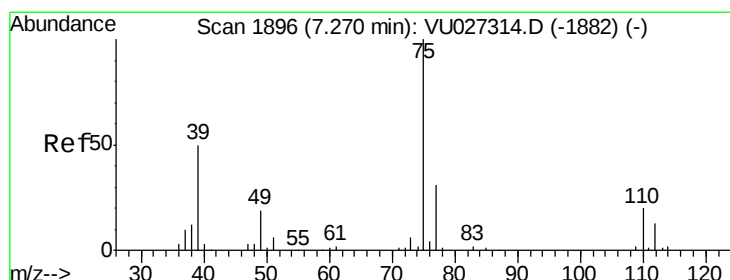
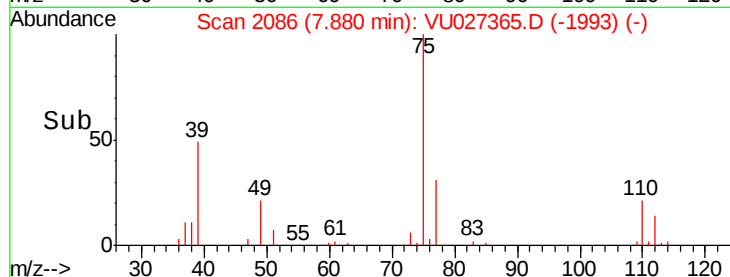
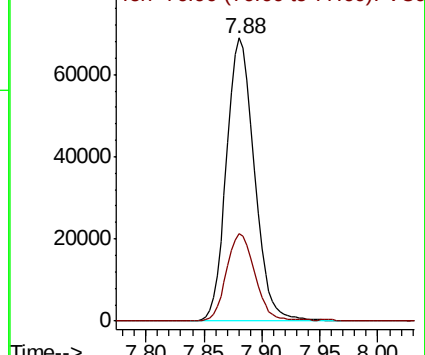
75 100

77 30.9 25.0 37.6



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0



#54

cis-1,3-Dichloropropene

Concen: 50.325 ug/l

RT: 7.27 min Scan# 1896

Delta R.T. -0.00 min

Lab File: VU027365.D

Acq: 03 Oct 2018 18:46

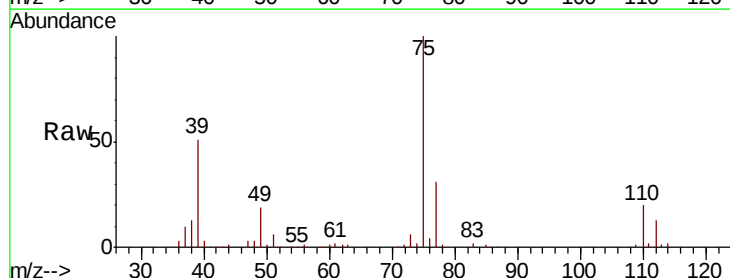
Tgt Ion: 75 Resp: 125400

Ion Ratio Lower Upper

75 100

77 31.2 24.5 36.7

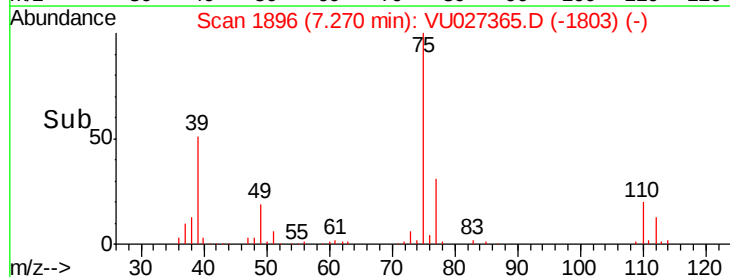
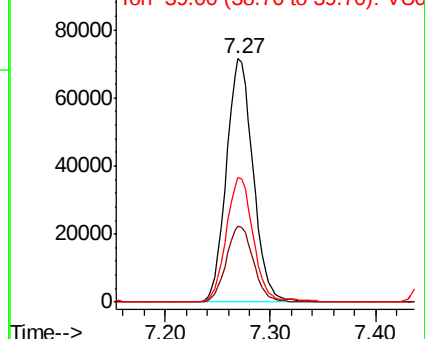
39 50.8 40.1 60.1

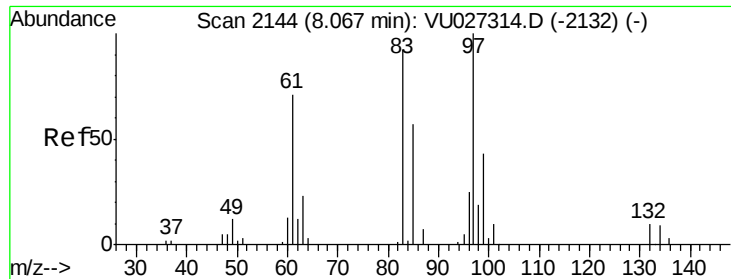


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0

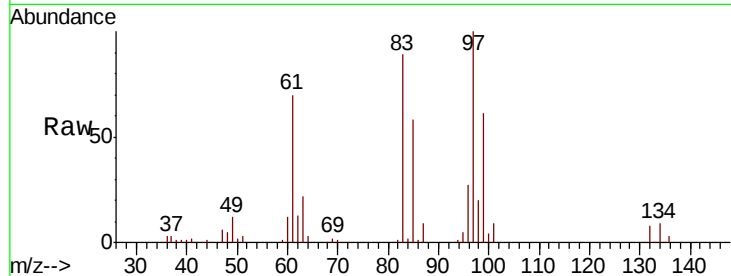




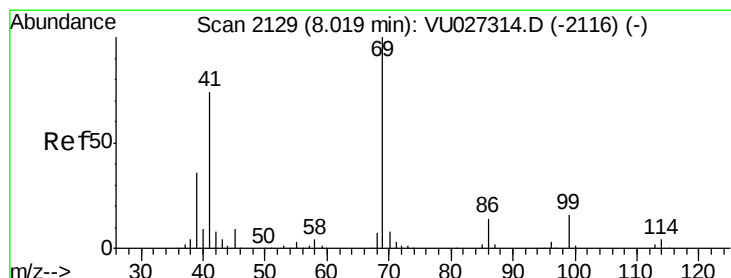
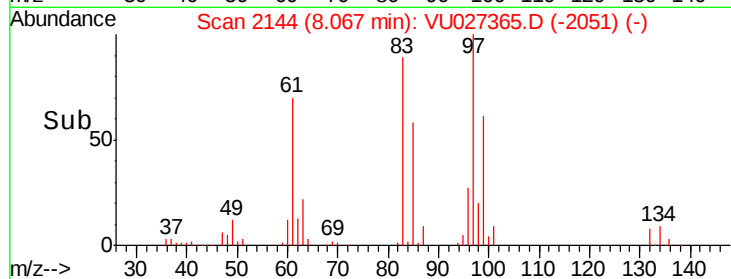
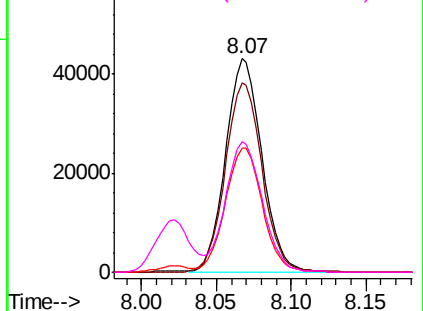
#55
 1,1,2-Trichloroethane
 Concen: 53.127 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. -0.00 min
 Lab File: VU027365.D
 Acq: 03 Oct 2018 18:46

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB

Tgt Ion:	97	Resp:	72917
Ion	Ratio	Lower	Upper
97	100		
83	88.4	73.0	109.6
85	58.1	47.3	70.9
99	61.0	49.7	74.5

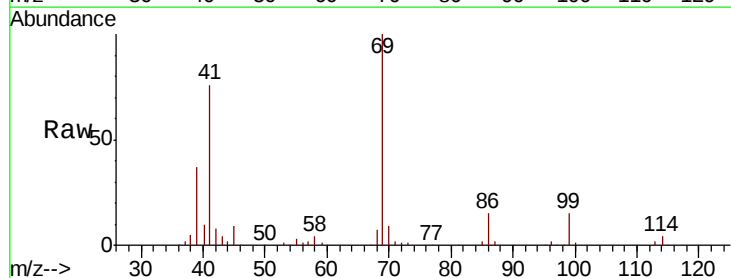


Abundance Ion 96.90 (96.60 to 97.60): VU0
 Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 98.90 (98.60 to 99.60): VU0

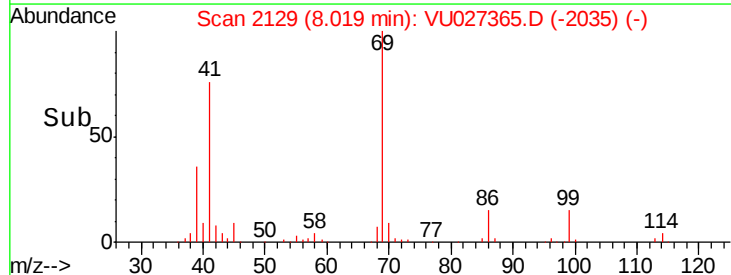
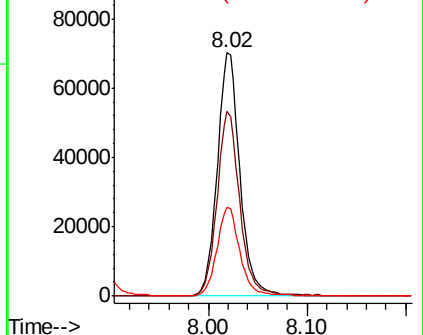


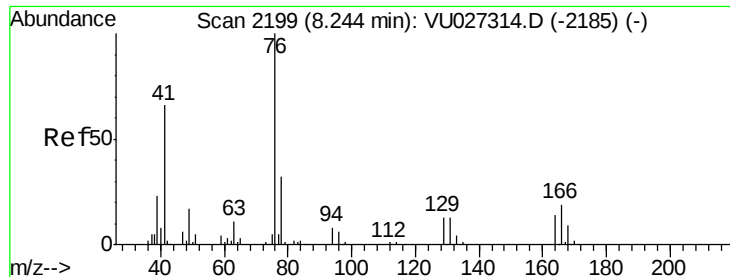
#56
 Ethyl methacrylate
 Concen: 43.394 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU027365.D
 Acq: 03 Oct 2018 18:46

Tgt Ion:	69	Resp:	113228
Ion	Ratio	Lower	Upper
69	100		
41	76.0	60.0	90.0
39	36.4	29.5	44.3



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

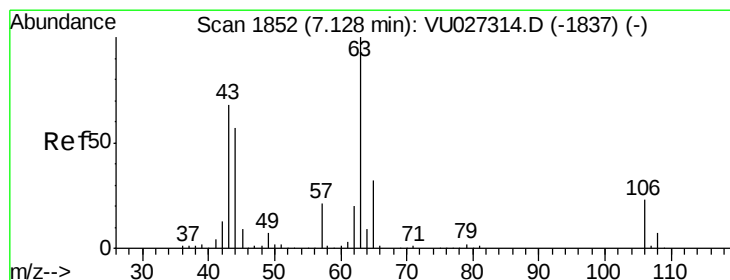
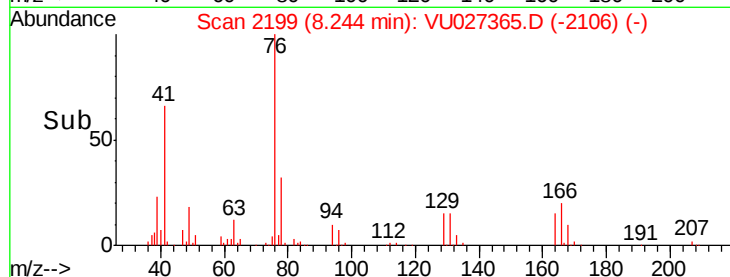
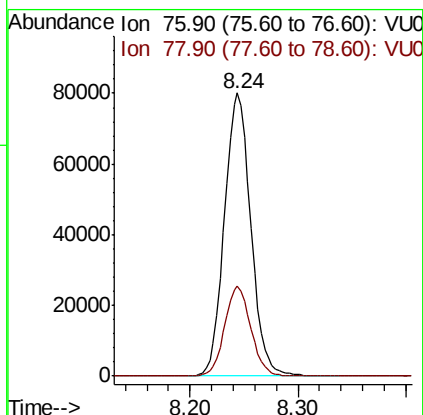
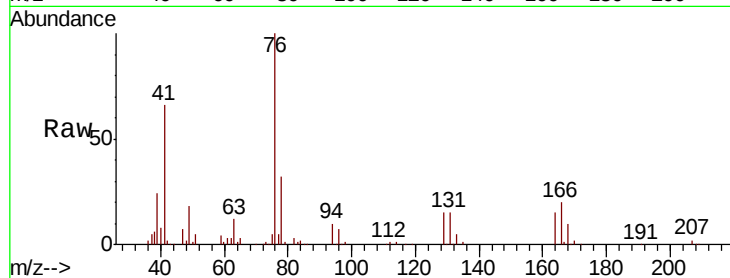




#57
 1,3-Dichloropropane
 Concen: 51.321 ug/l
 RT: 8.24 min Scan# 2199
 Delta R.T. -0.00 min
 Lab File: VU027365.D
 Acq: 03 Oct 2018 18:46

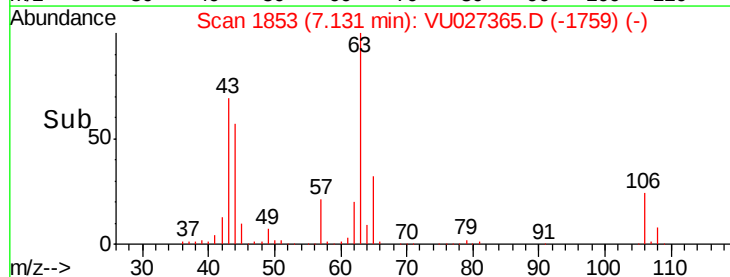
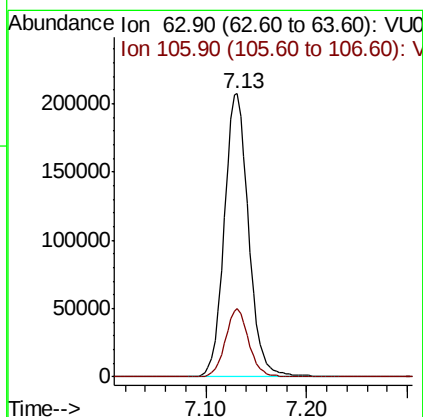
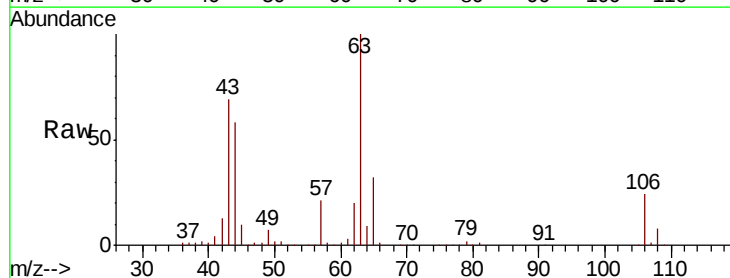
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB

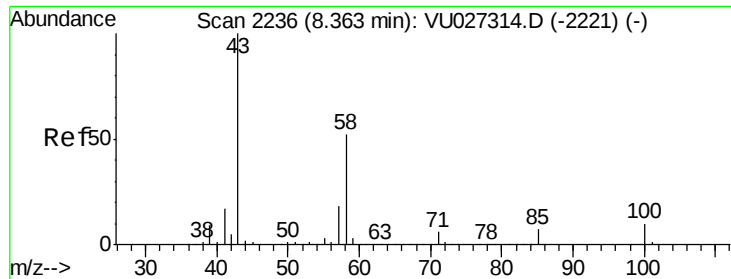
Tgt Ion: 76 Resp: 136740
 Ion Ratio Lower Upper
 76 100
 78 31.4 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 242.134 ug/l
 RT: 7.13 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VU027365.D
 Acq: 03 Oct 2018 18:46

Tgt Ion: 63 Resp: 349106
 Ion Ratio Lower Upper
 63 100
 106 23.3 18.5 27.7

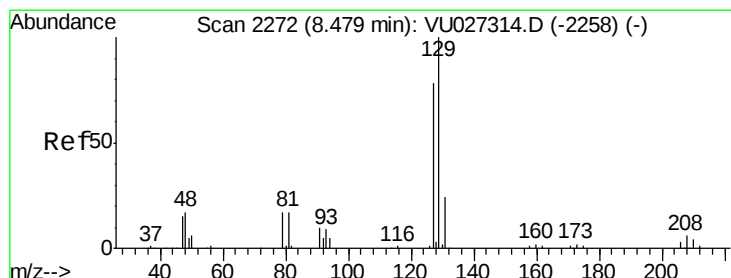
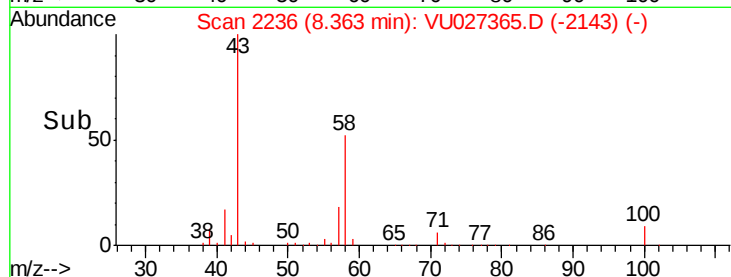
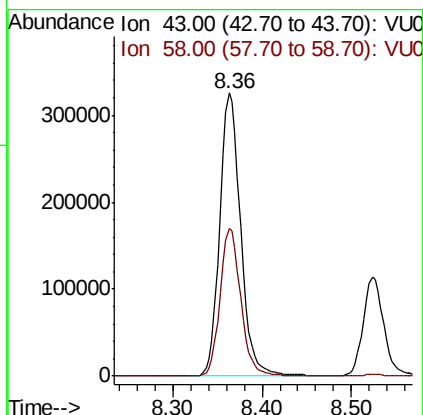
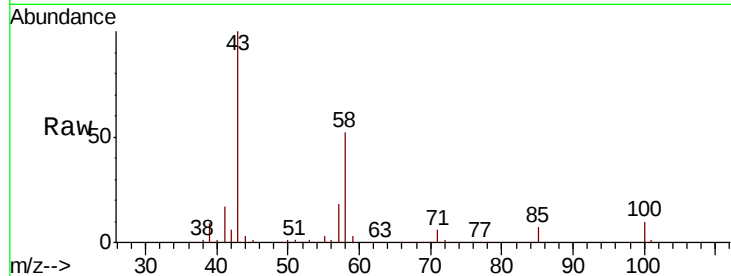




#59
2-Hexanone
Concen: 261.790 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. -0.00 min
Lab File: VU027365.D
Acq: 03 Oct 2018 18:46

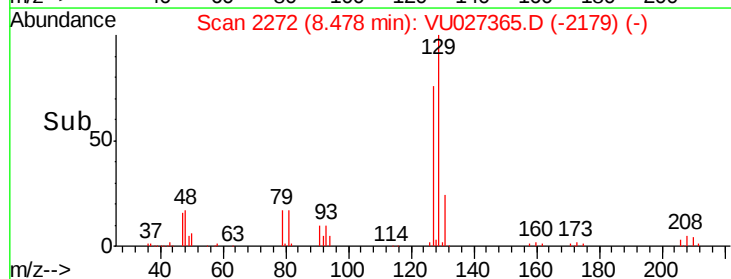
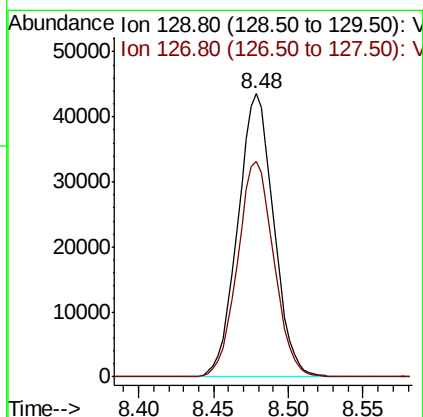
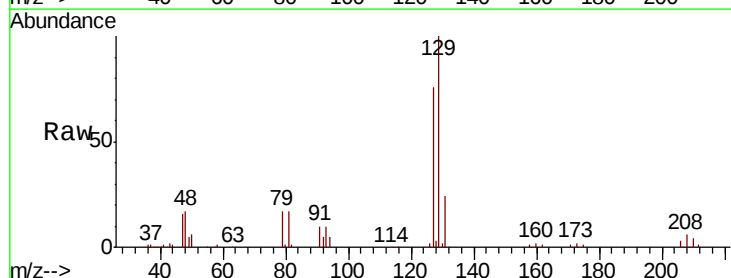
Instrument :
MSVOA_U
ClientSampled :
BFB

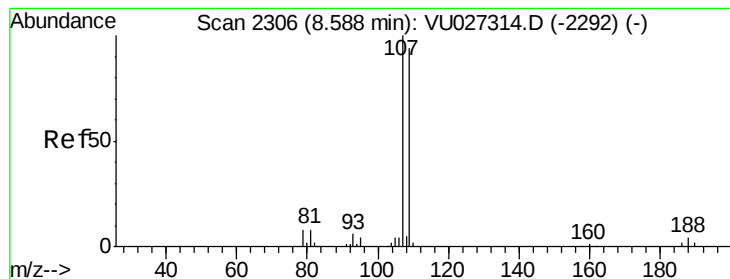
Tgt Ion: 43 Resp: 531826
Ion Ratio Lower Upper
43 100
58 51.5 26.1 78.3



#60
Dibromochloromethane
Concen: 52.876 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VU027365.D
Acq: 03 Oct 2018 18:46

Tgt Ion: 129 Resp: 72787
Ion Ratio Lower Upper
129 100
127 76.8 39.1 117.2





#61

1,2-Dibromoethane

Concen: 51.270 ug/l

RT: 8.59 min Scan# 2306

Delta R.T. -0.00 min

Lab File: VU027365.D

Acq: 03 Oct 2018 18:46

Instrument :

MSVOA_U

ClientSampleId :

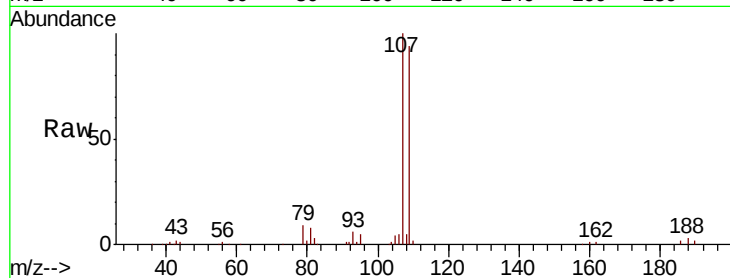
BFB

Tgt Ion: 107 Resp: 74818

Ion Ratio Lower Upper

107 100

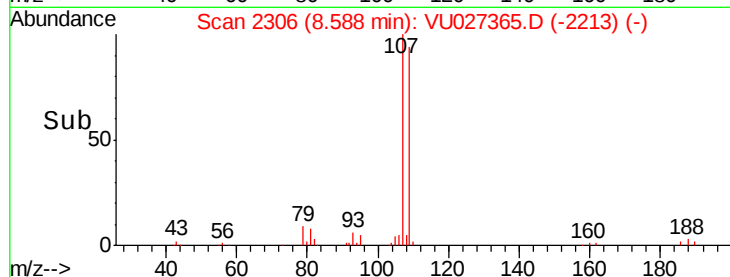
109 94.4 74.5 111.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.59



40000

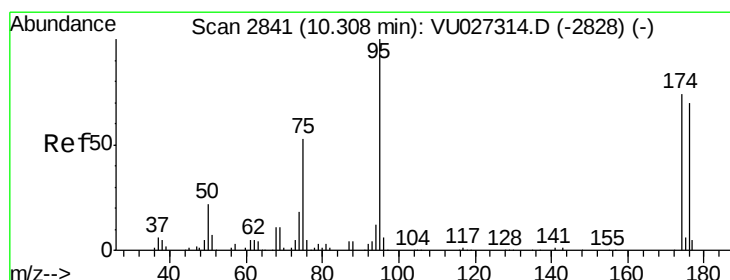
30000

20000

10000

0

Time--> 8.50 8.55 8.60 8.65



#62

4-Bromofluorobenzene

Concen: 48.336 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.00 min

Lab File: VU027365.D

Acq: 03 Oct 2018 18:46

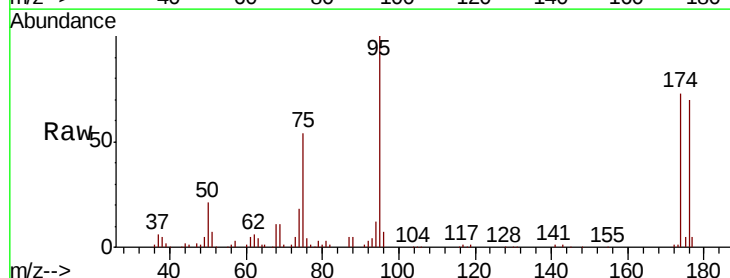
Tgt Ion: 95 Resp: 85203

Ion Ratio Lower Upper

95 100

174 73.4 0.0 147.8

176 71.1 0.0 140.8

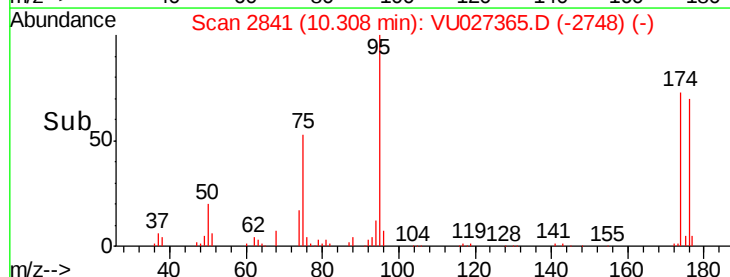


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

10.31



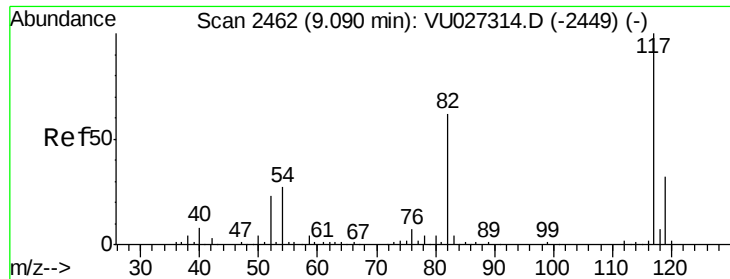
60000

40000

20000

0

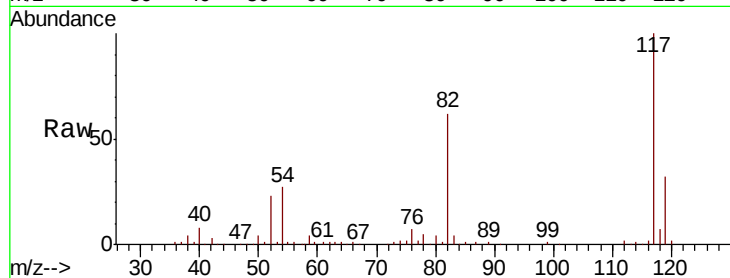
Time--> 10.25 10.30 10.35 10.40



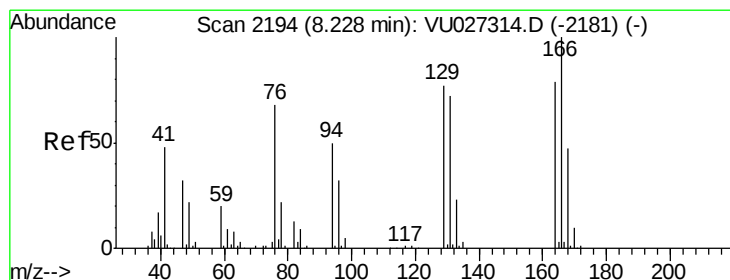
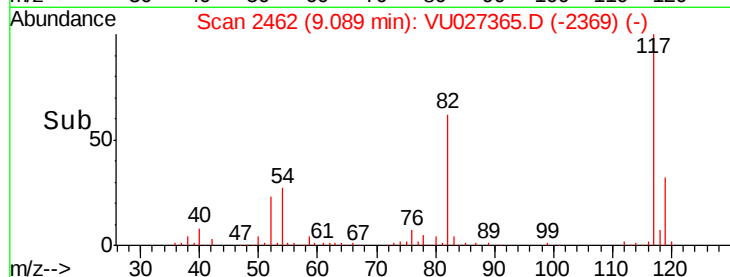
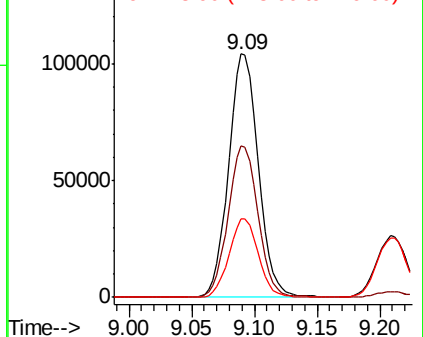
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU027365.D
Acq: 03 Oct 2018 18:46

Instrument :
MSVOA_U
ClientSampleId :
BFB

Tgt Ion:117 Resp: 171595
Ion Ratio Lower Upper
117 100
82 62.5 49.2 73.8
119 32.0 25.7 38.5



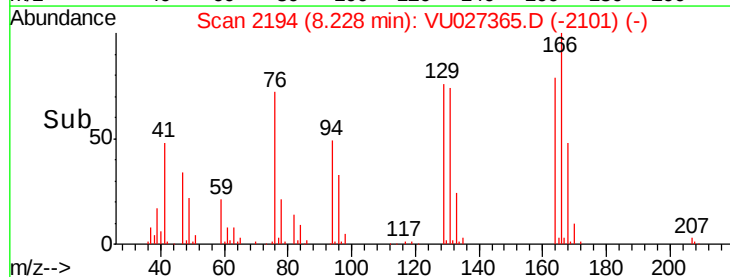
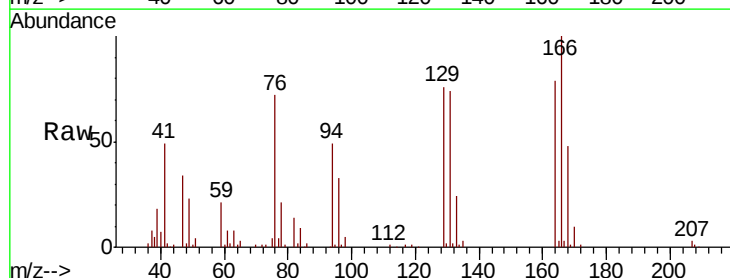
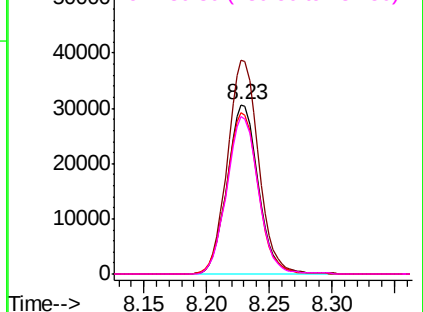
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

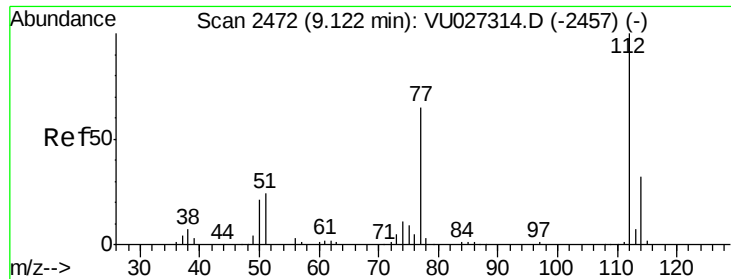


#64
Tetrachloroethene
Concen: 49.478 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. -0.00 min
Lab File: VU027365.D
Acq: 03 Oct 2018 18:46

Tgt Ion:164 Resp: 52853
Ion Ratio Lower Upper
164 100
166 126.2 101.0 151.6
129 95.3 78.0 117.0
131 93.0 72.6 109.0

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: 49.284 ug/l

RT: 9.12 min Scan# 2472

Delta R.T. -0.00 min

Lab File: VU027365.D

Acq: 03 Oct 2018 18:46

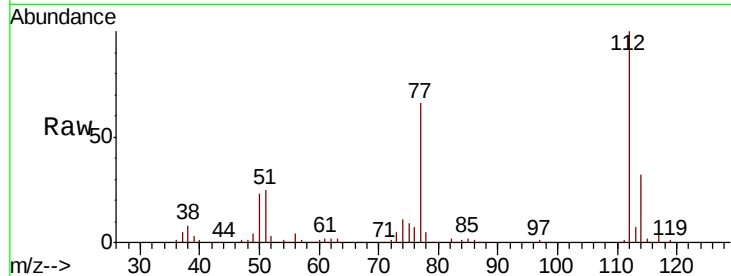
Instrument :
MSVOA_U
ClientSampleId :
BFB

Tgt Ion:112 Resp: 178011

Ion Ratio Lower Upper

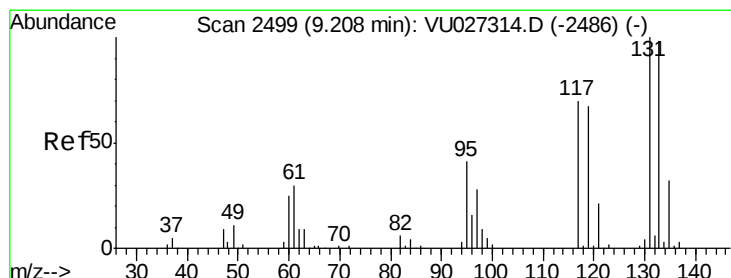
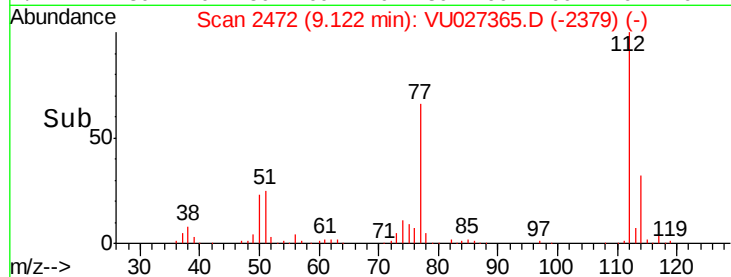
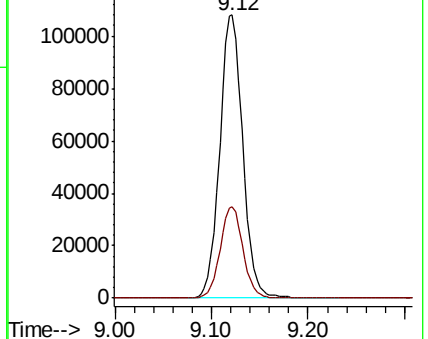
112 100

114 32.5 25.8 38.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 53.347 ug/l

RT: 9.21 min Scan# 2499

Delta R.T. -0.00 min

Lab File: VU027365.D

Acq: 03 Oct 2018 18:46

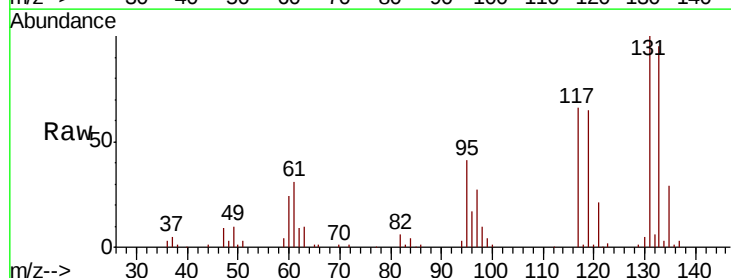
Tgt Ion:131 Resp: 66518

Ion Ratio Lower Upper

131 100

133 95.1 48.5 145.6

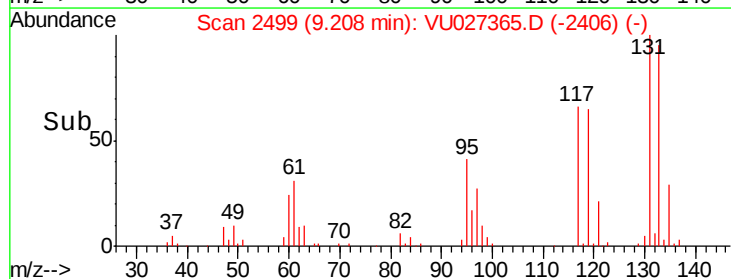
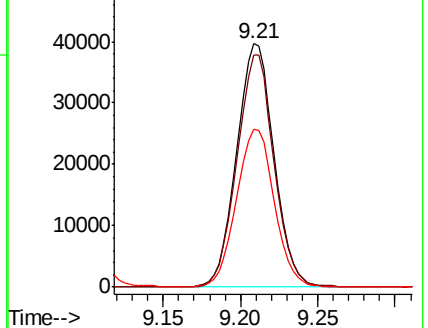
119 65.9 33.5 100.4

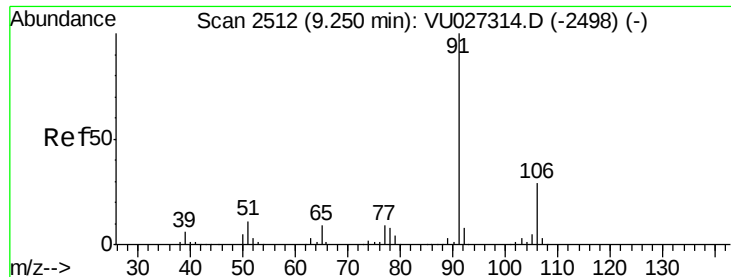


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

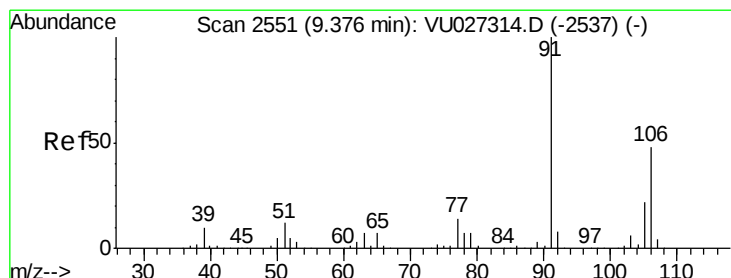
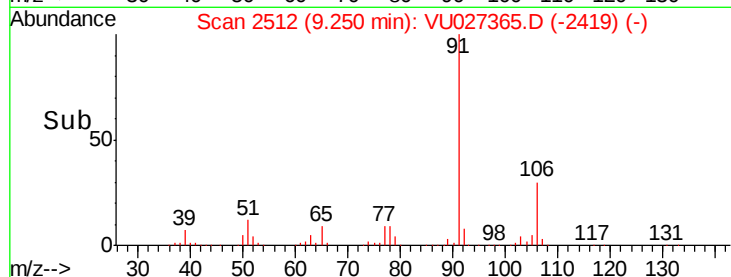
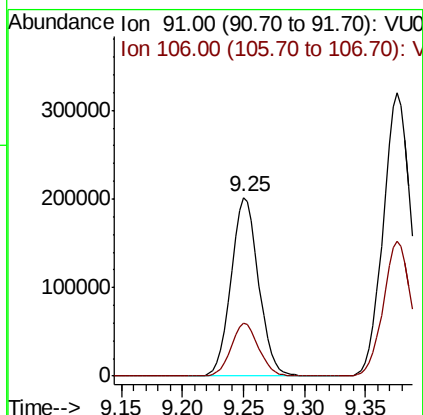
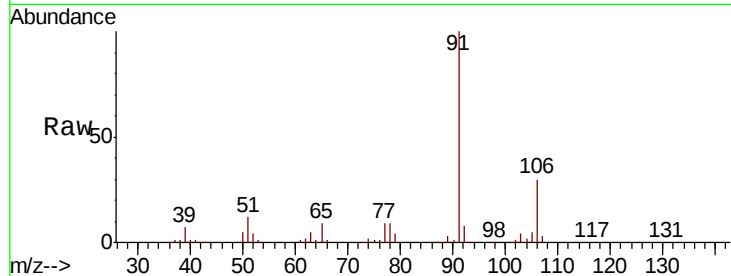




#67
Ethyl Benzene
Concen: 49.691 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. -0.00 min
Lab File: VU027365.D
Acq: 03 Oct 2018 18:46

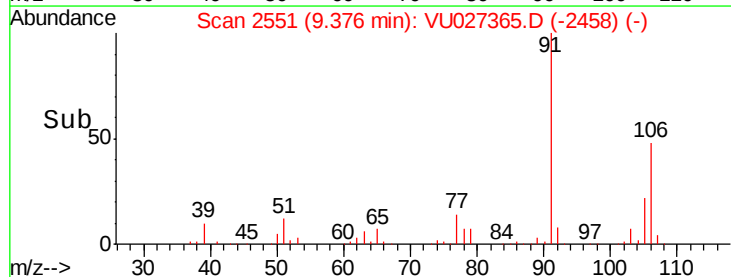
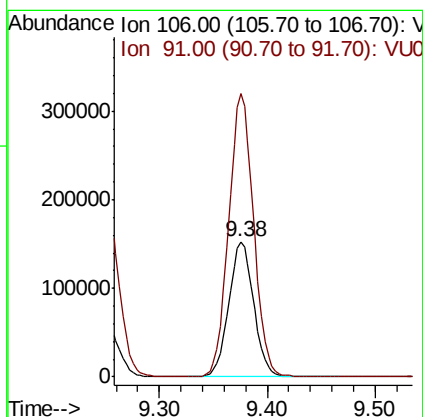
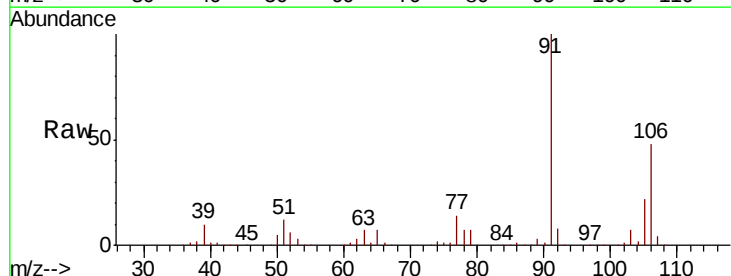
Instrument :
MSVOA_U
ClientSampleId :
BFB

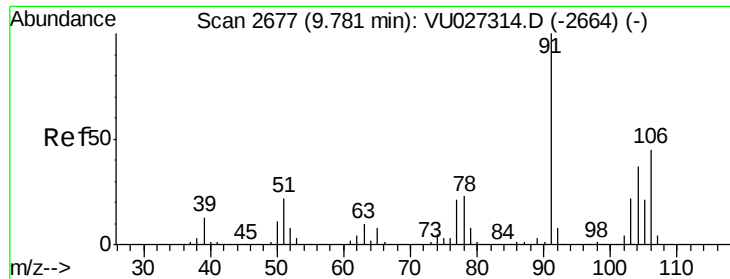
Tgt Ion: 91 Resp: 317992
Ion Ratio Lower Upper
91 100
106 29.7 23.6 35.4



#68
m/p-Xylenes
Concen: 104.481 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. -0.00 min
Lab File: VU027365.D
Acq: 03 Oct 2018 18:46

Tgt Ion: 106 Resp: 244568
Ion Ratio Lower Upper
106 100
91 210.8 168.1 252.1

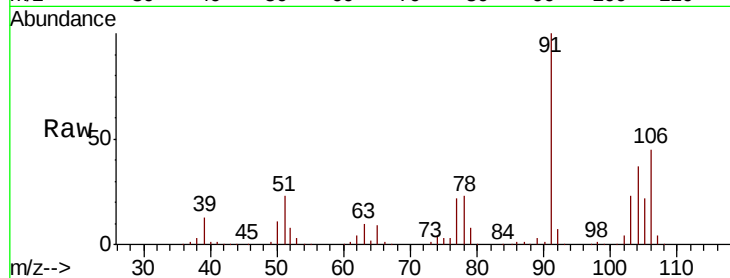




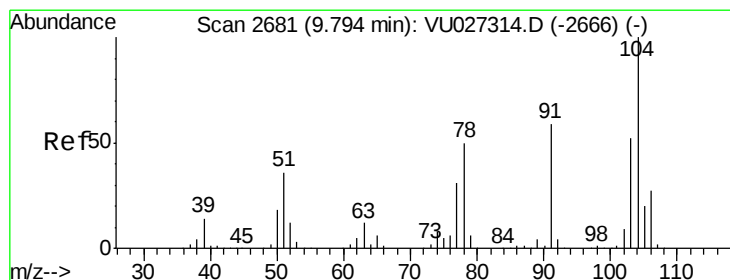
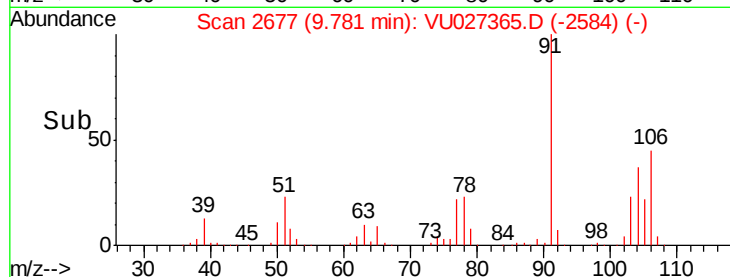
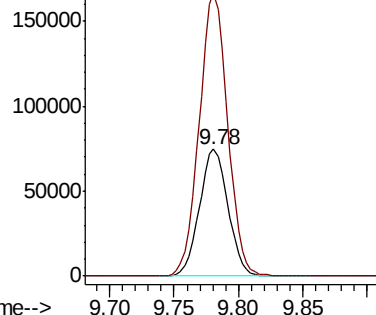
#69
o-Xylene
Concen: 51.599 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VU027365.D
Acq: 03 Oct 2018 18:46

Instrument :
MSVOA_U
ClientSampleId :
BFB

Tgt Ion:106 Resp: 114778
Ion Ratio Lower Upper
106 100
91 221.9 111.7 334.9

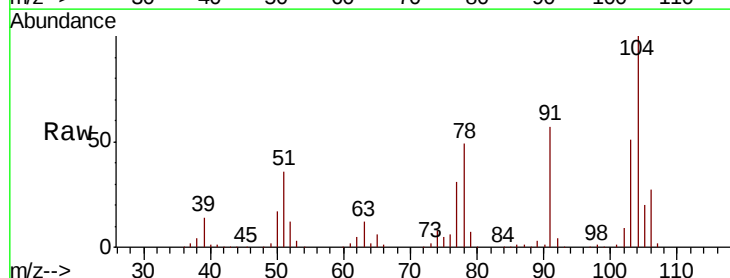


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

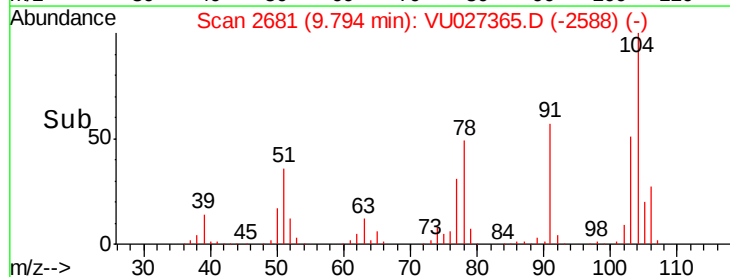
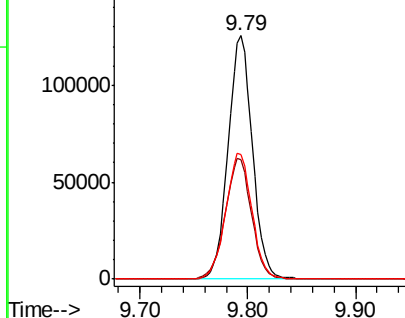


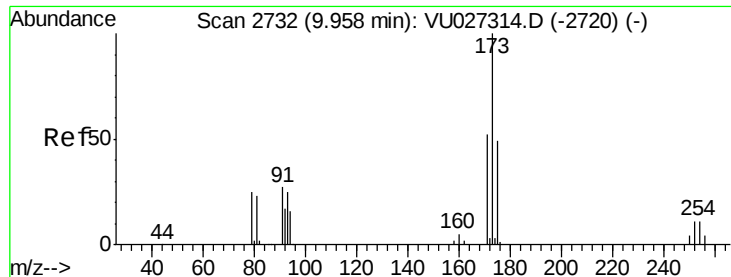
#70
Styrene
Concen: 47.684 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU027365.D
Acq: 03 Oct 2018 18:46

Tgt Ion:104 Resp: 197809
Ion Ratio Lower Upper
104 100
78 53.2 42.9 64.3
103 55.4 43.9 65.9



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: 52.024 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU027365.D

Acq: 03 Oct 2018 18:46

Instrument :

MSVOA_U

ClientSampled :

BFB

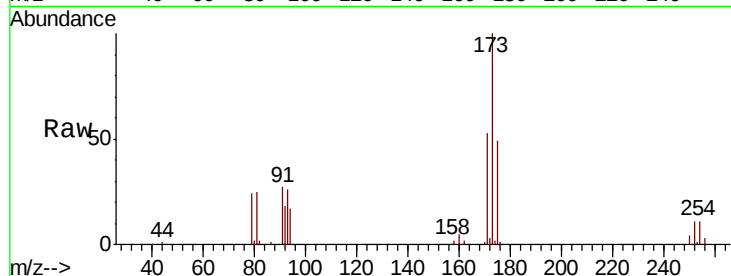
Tgt Ion:173 Resp: 52191

Ion Ratio Lower Upper

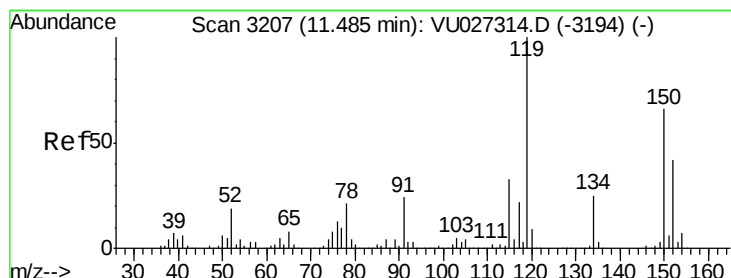
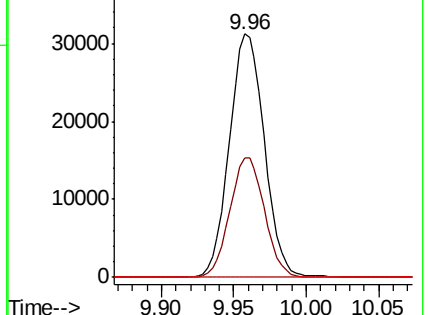
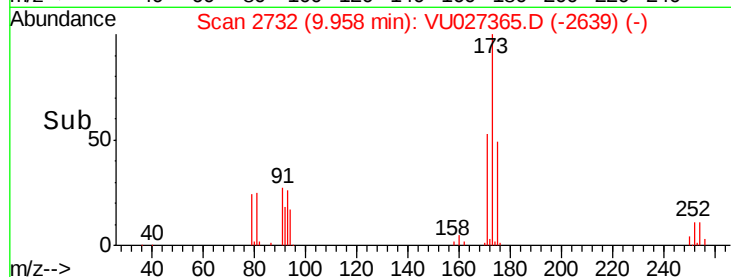
173 100

175 48.5 24.3 73.0

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# 3207

Delta R.T. -0.00 min

Lab File: VU027365.D

Acq: 03 Oct 2018 18:46

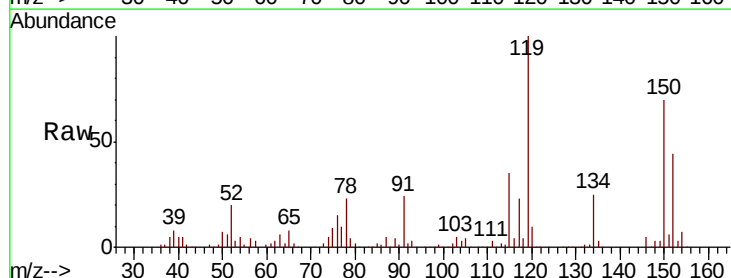
Tgt Ion:152 Resp: 89288

Ion Ratio Lower Upper

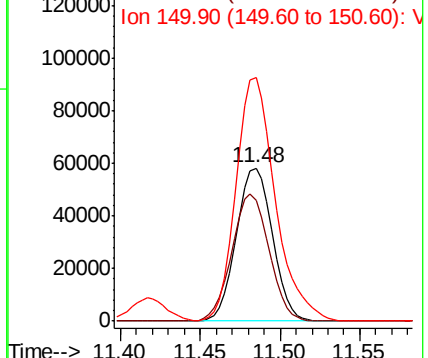
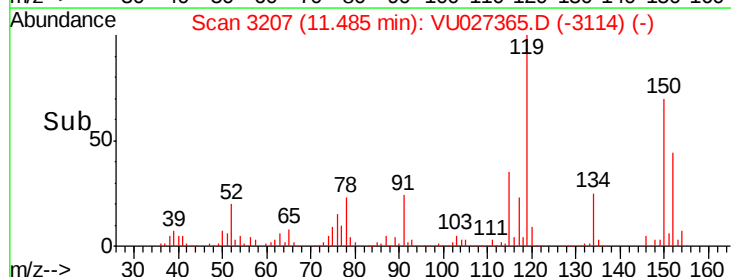
152 100

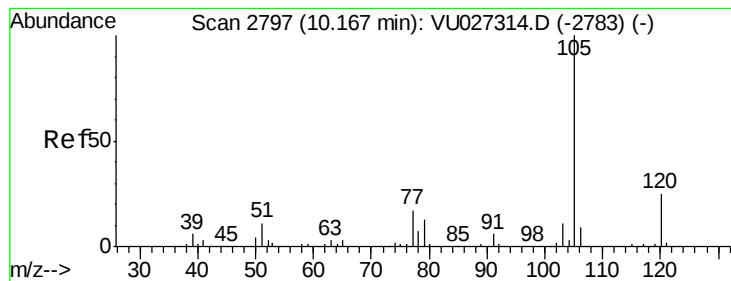
115 85.8 43.4 130.2

150 173.8 0.0 349.2



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: 48.093 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. -0.00 min

Lab File: VU027365.D

Acq: 03 Oct 2018 18:46

Instrument :

MSVOA_U

ClientSampleId :

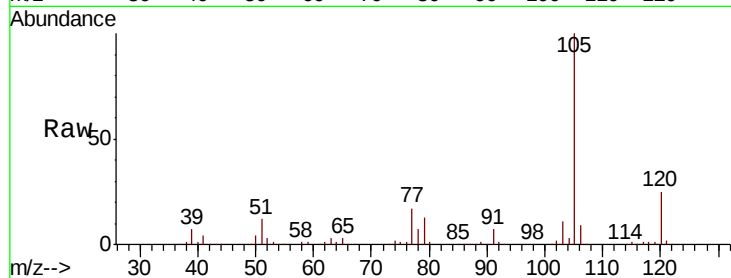
BFB

Tgt Ion: 105 Resp: 311879

Ion Ratio Lower Upper

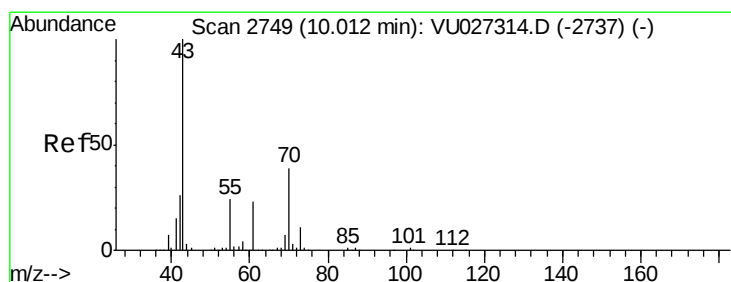
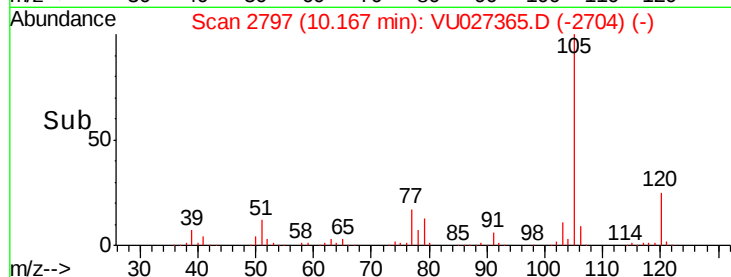
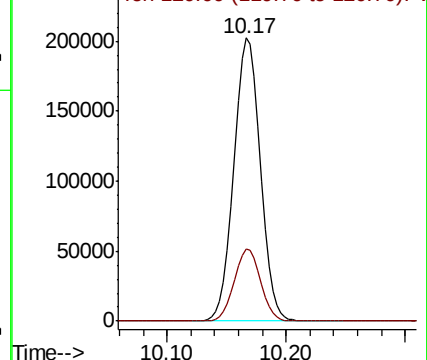
105 100

120 25.4 12.6 37.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 47.909 ug/l

RT: 10.02 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VU027365.D

Acq: 03 Oct 2018 18:46

Tgt Ion: 43 Resp: 177860

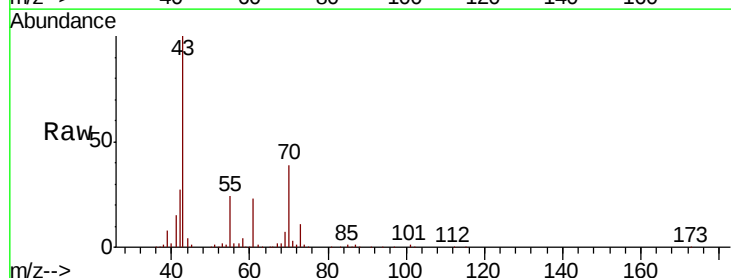
Ion Ratio Lower Upper

43 100

70 38.4 31.3 46.9

55 24.8 19.0 28.6

61 22.4 18.5 27.7

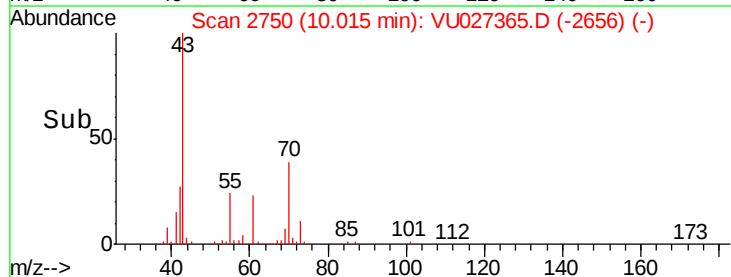
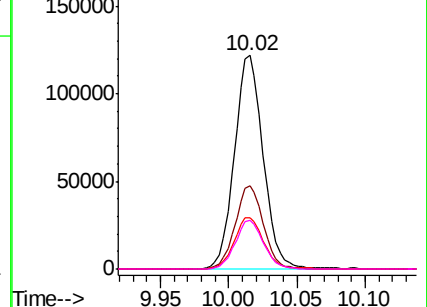


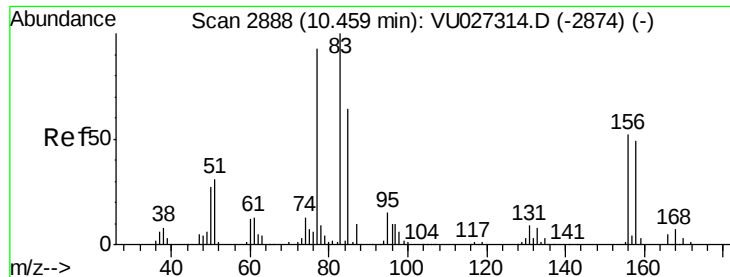
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#75

1,1,2,2-Tetrachloroethane

Concen: 50.075 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. -0.00 min

Lab File: VU027365.D

Acq: 03 Oct 2018 18:46

Instrument :

MSVOA_U

ClientSampleId :

BFB

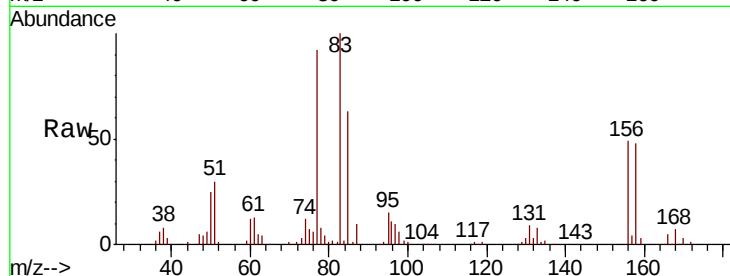
Tgt Ion: 83 Resp: 127507

Ion Ratio Lower Upper

83 100

131 8.6 4.4 13.2

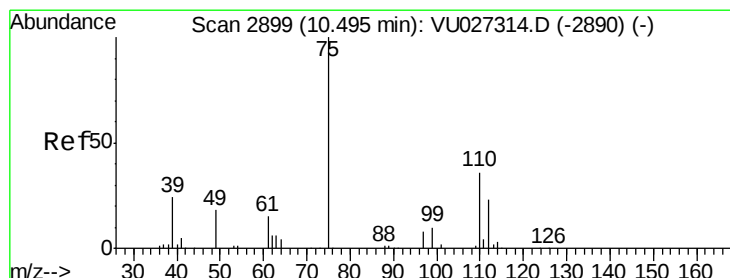
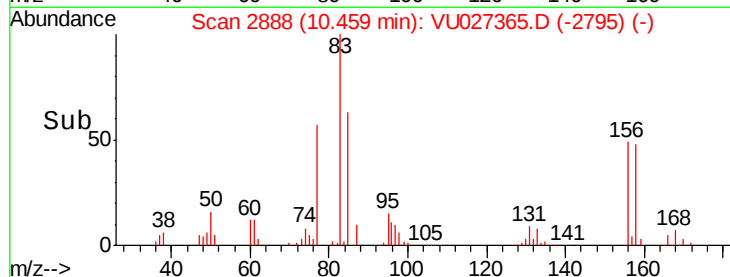
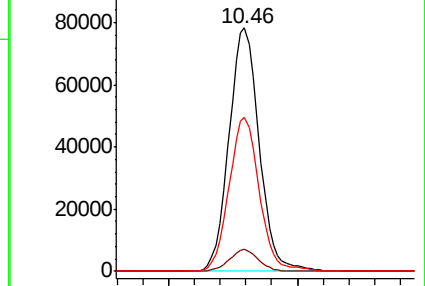
85 63.5 32.0 96.0



Abundance Ion 82.90 (82.60 to 83.60): VU027314.D (-2874) (-)

Ion 130.80 (130.50 to 131.50): VU027314.D (-2874) (-)

Ion 84.90 (84.60 to 85.60): VU027314.D (-2874) (-)



#76

1,2,3-Trichloropropane

Concen: 65.234 ug/l

RT: 10.49 min Scan# 2899

Delta R.T. -0.00 min

Lab File: VU027365.D

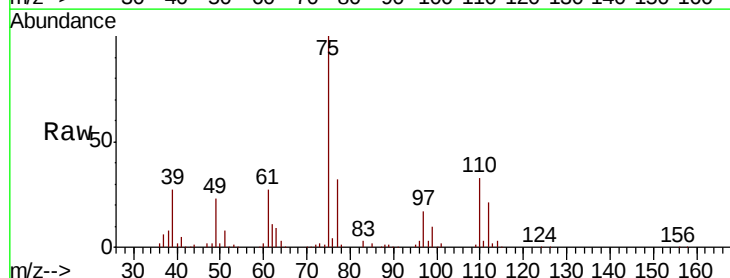
Acq: 03 Oct 2018 18:46

Tgt Ion: 75 Resp: 150987

Ion Ratio Lower Upper

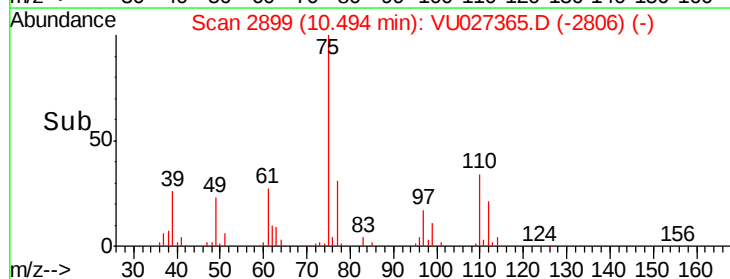
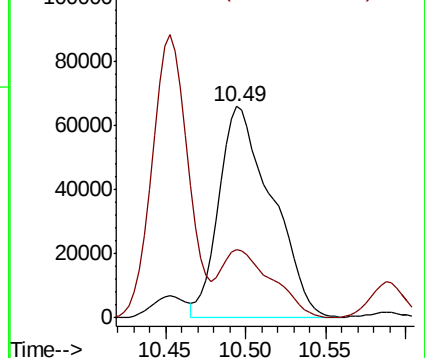
75 100

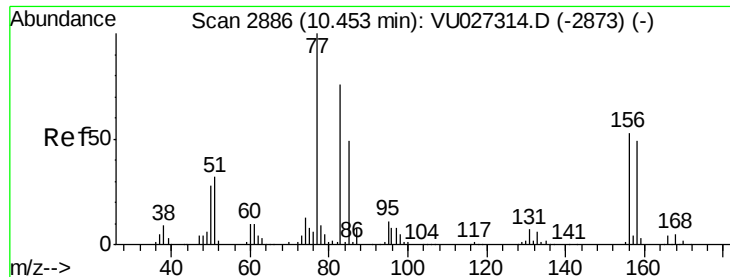
77 31.4 20.3 60.9



Abundance Ion 74.90 (74.60 to 75.60): VU027365.D (-2806) (-)

Ion 77.00 (76.70 to 77.70): VU027365.D (-2806) (-)





#77

Bromobenzene

Concen: 48.141 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. -0.00 min

Lab File: VU027365.D

Acq: 03 Oct 2018 18:46

Instrument :

MSVOA_U

ClientSampleId :

BFB

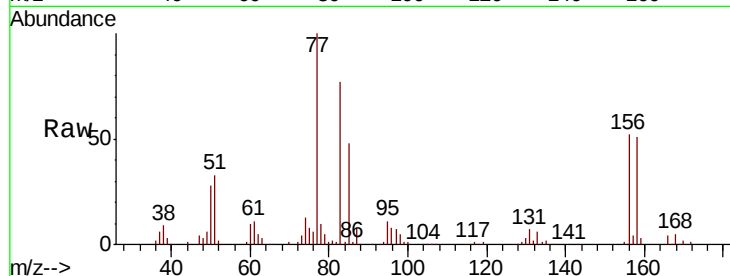
Tgt Ion:156 Resp: 72554

Ion Ratio Lower Upper

156 100

77 192.7 94.8 284.4

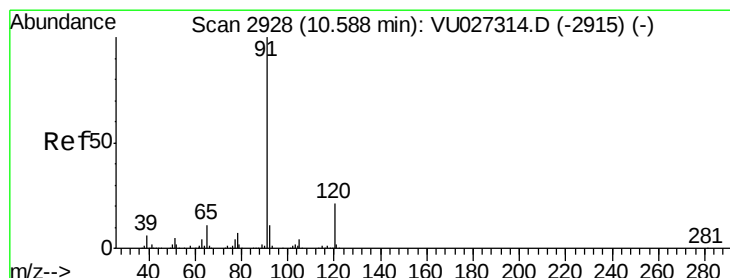
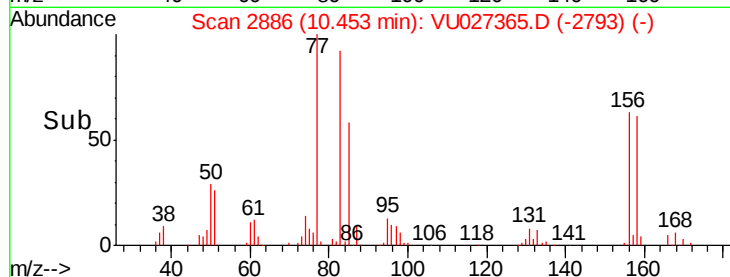
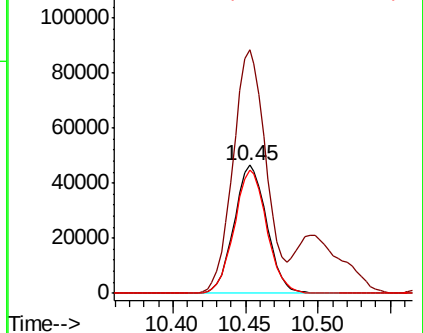
158 96.3 47.4 142.3



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: 49.895 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. -0.00 min

Lab File: VU027365.D

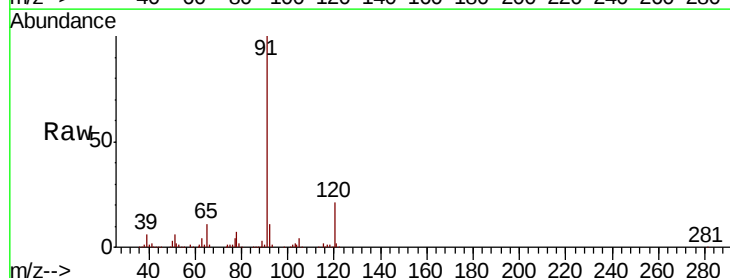
Acq: 03 Oct 2018 18:46

Tgt Ion: 91 Resp: 388801

Ion Ratio Lower Upper

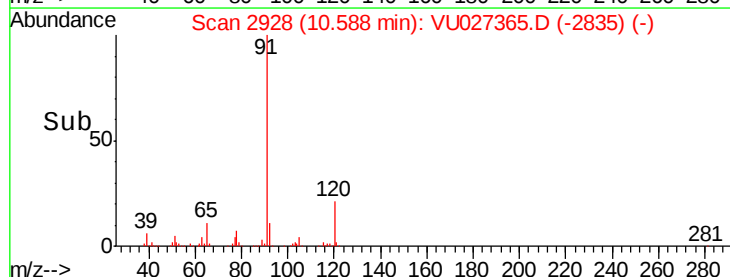
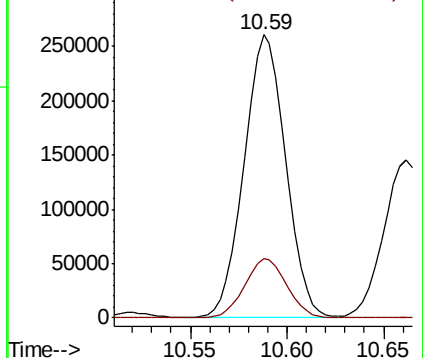
91 100

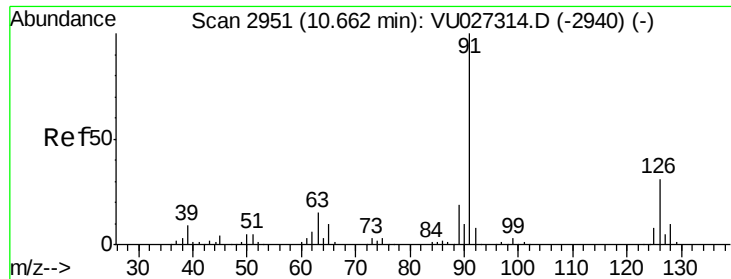
120 21.1 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

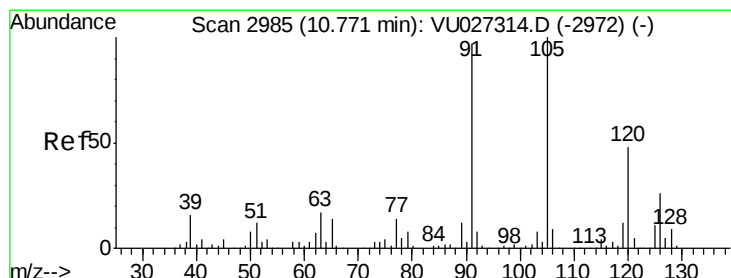
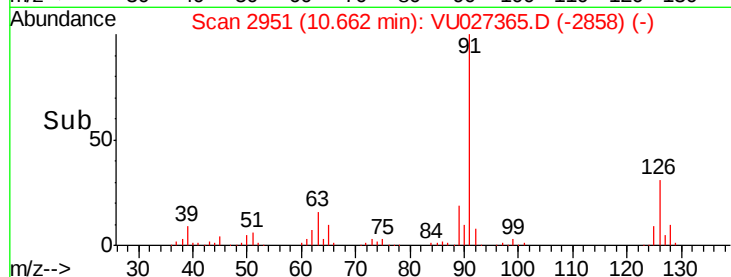
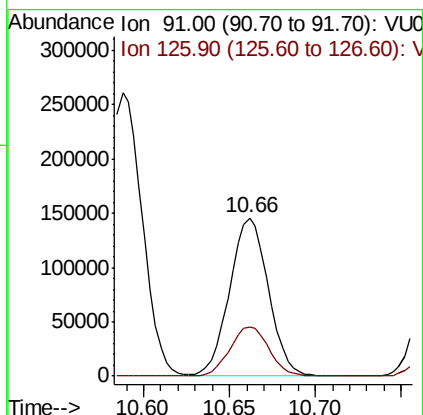
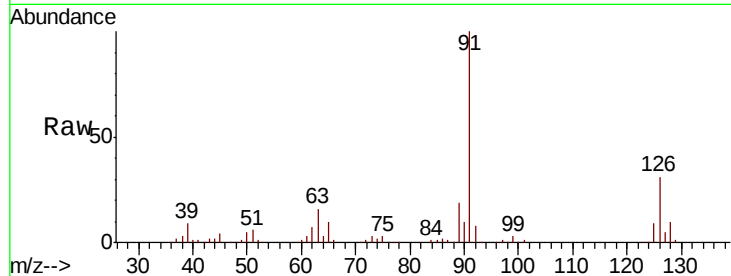




#79
 2-Chlorotoluene
 Concen: 48.384 ug/l
 RT: 10.66 min Scan# 2951
 Delta R.T. -0.00 min
 Lab File: VU027365.D
 Acq: 03 Oct 2018 18:46

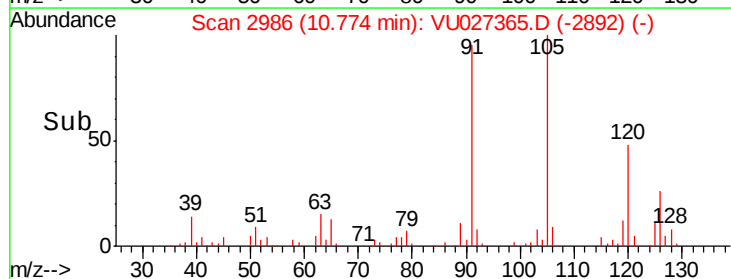
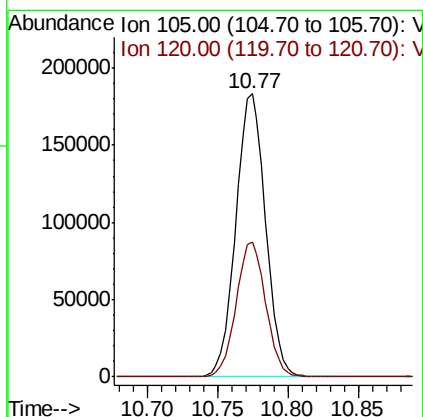
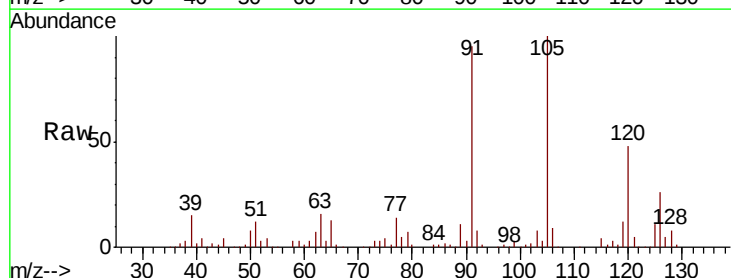
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB

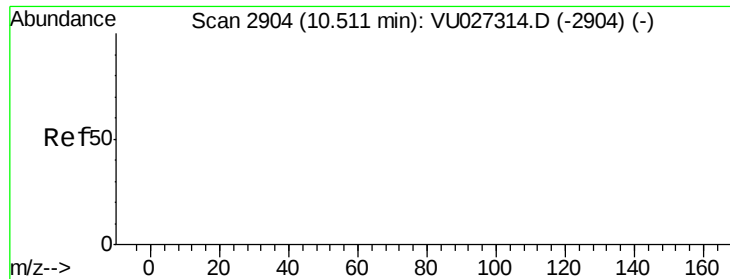
Tgt Ion: 91 Resp: 227646
 Ion Ratio Lower Upper
 91 100
 126 31.6 15.7 47.1



#80
 1,3,5-Trimethylbenzene
 Concen: 51.306 ug/l
 RT: 10.77 min Scan# 2986
 Delta R.T. 0.00 min
 Lab File: VU027365.D
 Acq: 03 Oct 2018 18:46

Tgt Ion: 105 Resp: 270880
 Ion Ratio Lower Upper
 105 100
 120 47.4 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 170.724 ug/l

RT: 10.49 min Scan# 2899

Delta R.T. -0.02 min

Lab File: VU027365.D

Acq: 03 Oct 2018 18:46

Instrument :

MSVOA_U

ClientSampled :

BFB

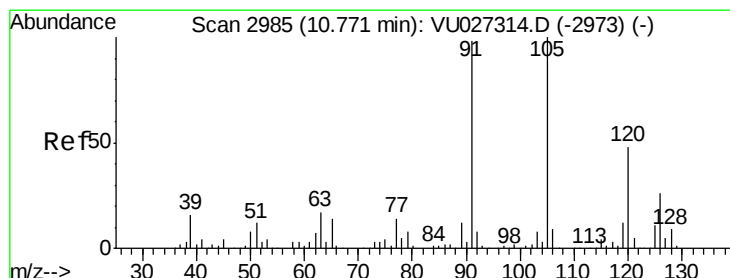
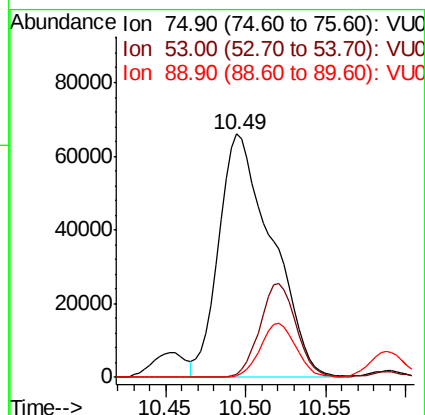
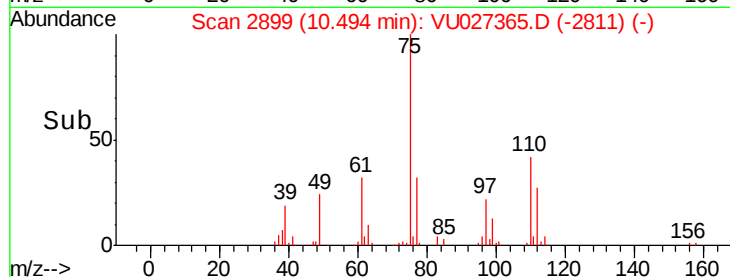
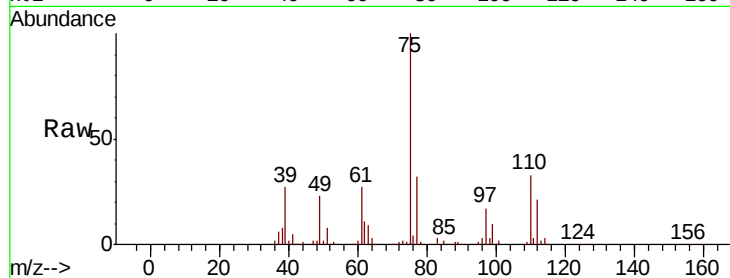
Tgt Ion: 75 Resp: 150987

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0



#82

4-Chlorotoluene

Concen: 49.741 ug/l

RT: 10.77 min Scan# 2986

Delta R.T. 0.00 min

Lab File: VU027365.D

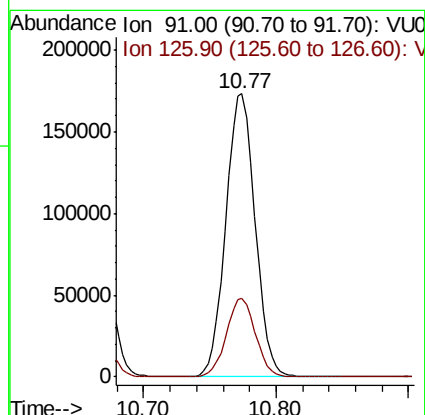
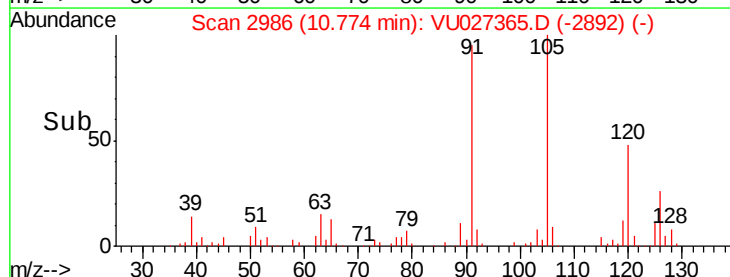
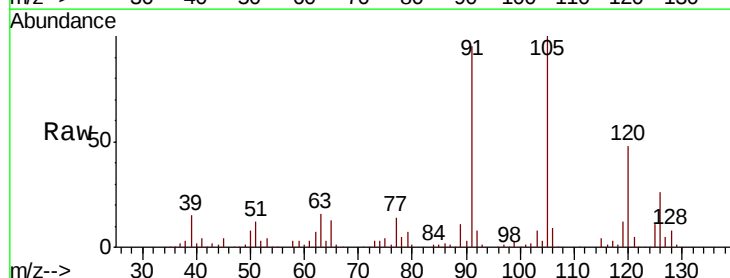
Acq: 03 Oct 2018 18:46

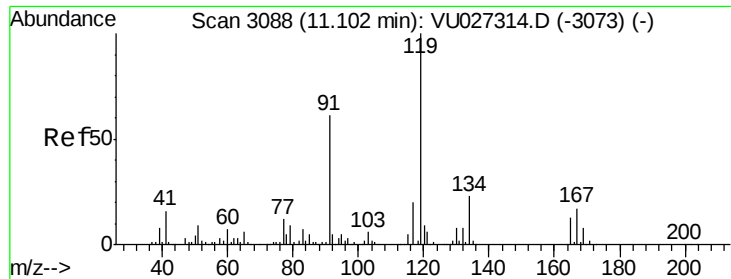
Tgt Ion: 91 Resp: 265581

Ion Ratio Lower Upper

91 100

126 27.7 13.6 40.8

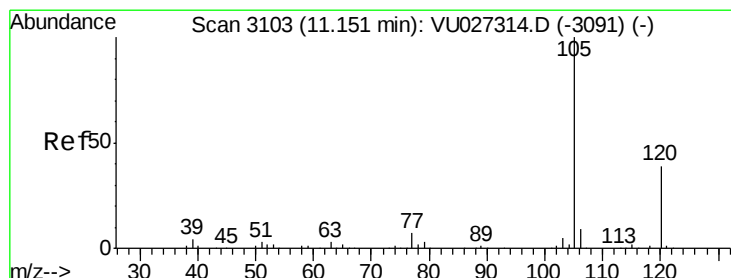
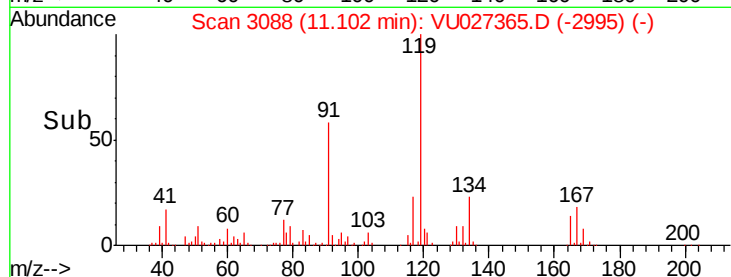
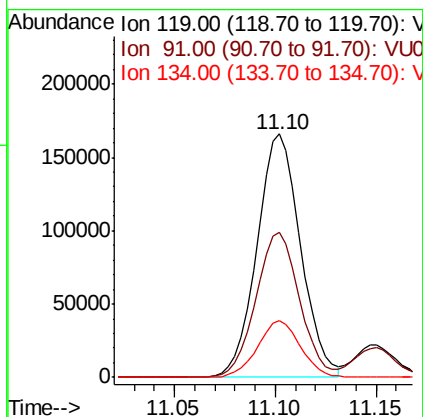
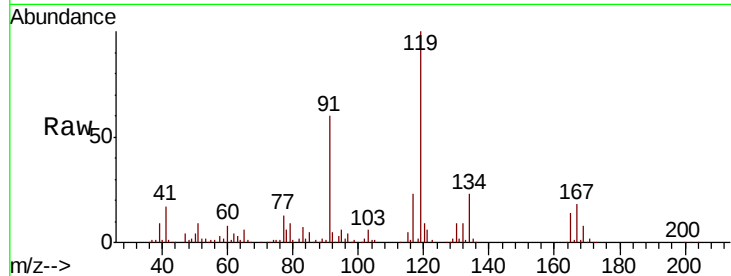




#83
tert-Butylbenzene
Concen: 49.001 ug/l
RT: 11.10 min Scan# 3088
Delta R.T. -0.00 min
Lab File: VU027365.D
Acq: 03 Oct 2018 18:46

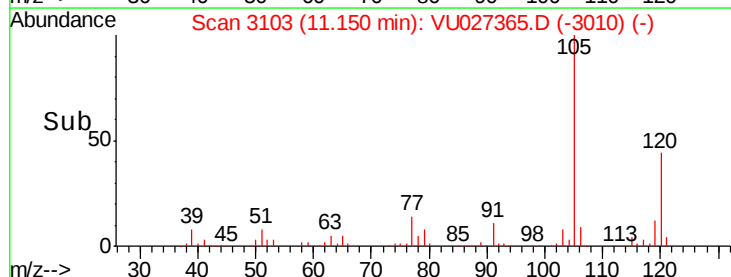
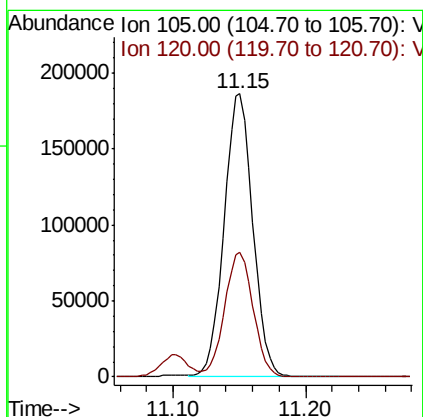
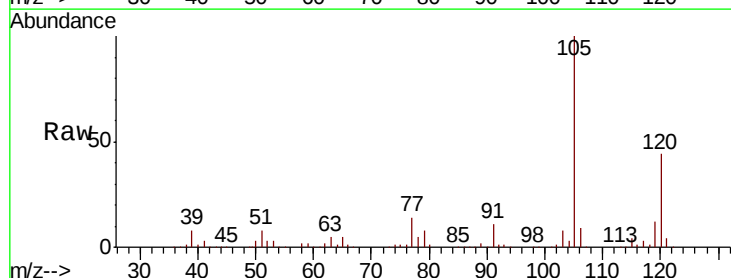
Instrument :
MSVOA_U
ClientSampled :
BFB

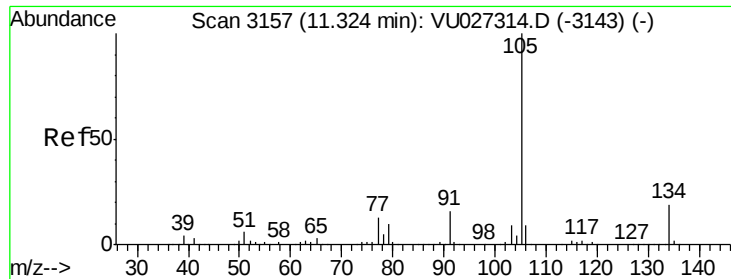
Tgt Ion:119 Resp: 250104
Ion Ratio Lower Upper
119 100
91 59.9 30.3 91.0
134 22.8 11.5 34.4



#84
1,2,4-Trimethylbenzene
Concen: 51.820 ug/l
RT: 11.15 min Scan# 3103
Delta R.T. -0.00 min
Lab File: VU027365.D
Acq: 03 Oct 2018 18:46

Tgt Ion:105 Resp: 279474
Ion Ratio Lower Upper
105 100
120 43.8 22.1 66.5

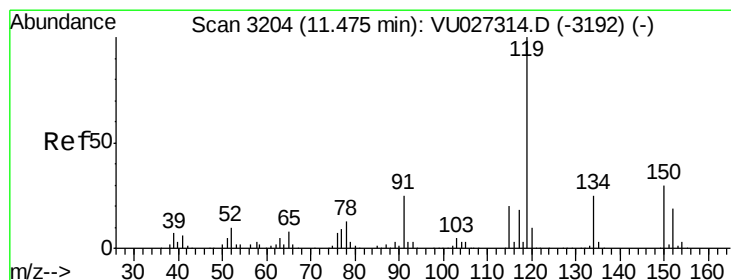
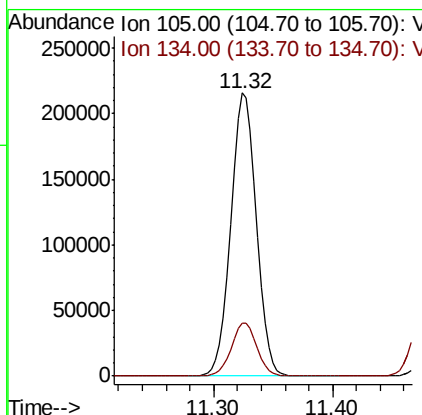
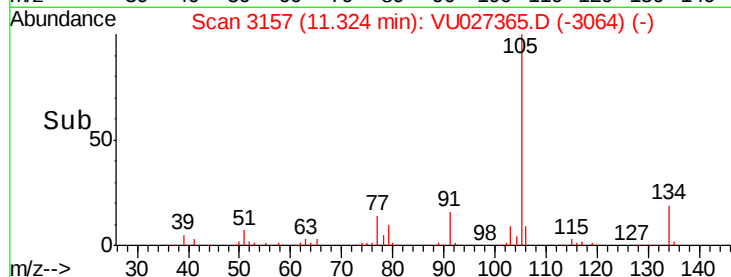
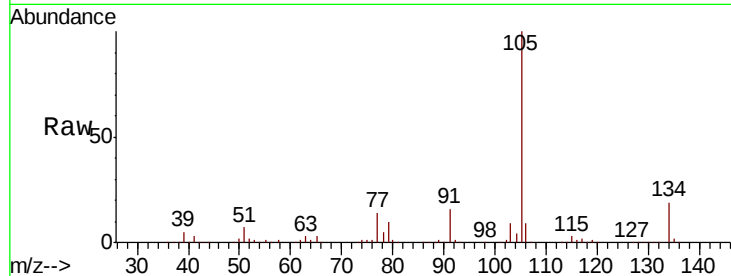




#85
 sec-Butylbenzene
 Concen: 49.697 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. -0.00 min
 Lab File: VU027365.D
 Acq: 03 Oct 2018 18:46

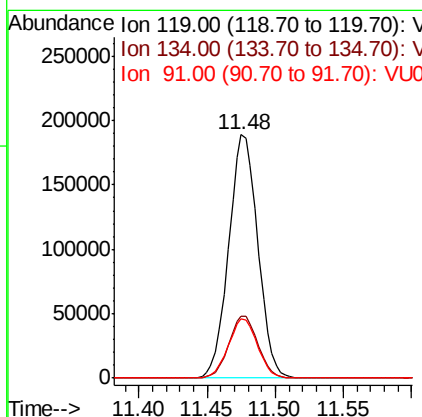
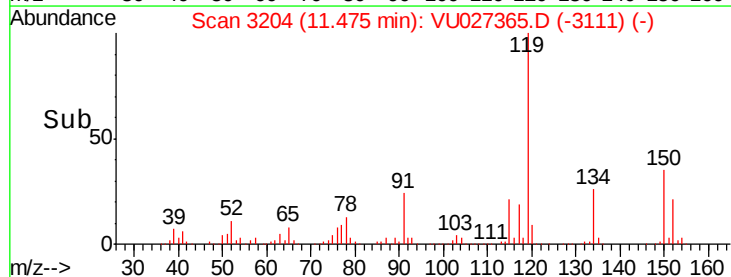
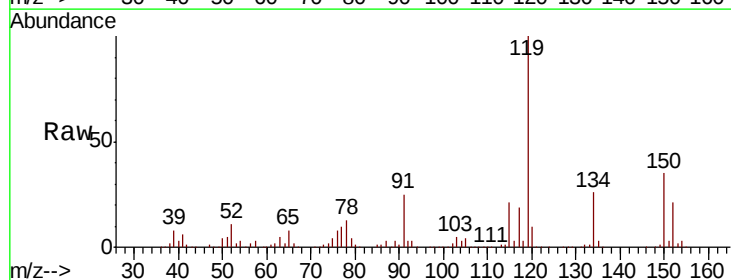
Instrument :
 MSVOA_U
 ClientSampled :
 BFB

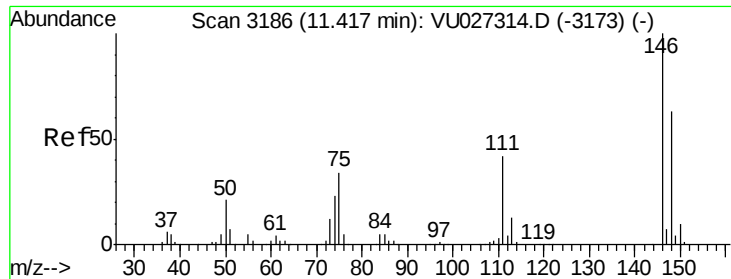
Tgt Ion:105 Resp: 319597
 Ion Ratio Lower Upper
 105 100
 134 18.8 9.6 28.6



#86
 p-Isopropyltoluene
 Concen: 50.760 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. -0.00 min
 Lab File: VU027365.D
 Acq: 03 Oct 2018 18:46

Tgt Ion:119 Resp: 279496
 Ion Ratio Lower Upper
 119 100
 134 25.5 12.7 38.1
 91 24.7 12.2 36.4

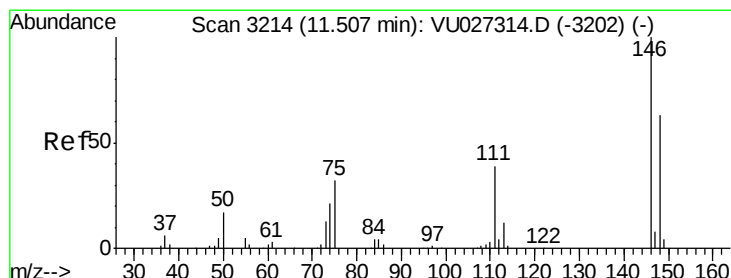
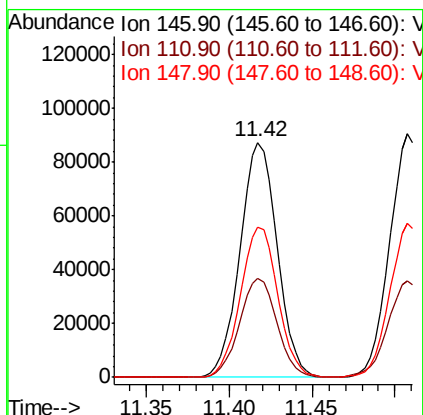
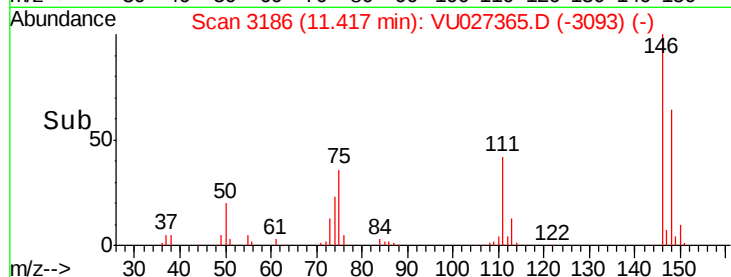
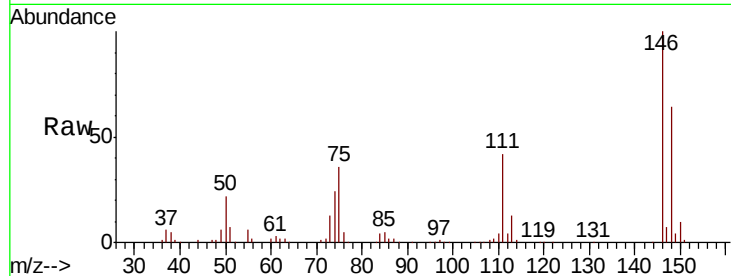




#87
 1,3-Dichlorobenzene
 Concen: 47.707 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. -0.00 min
 Lab File: VU027365.D
 Acq: 03 Oct 2018 18:46

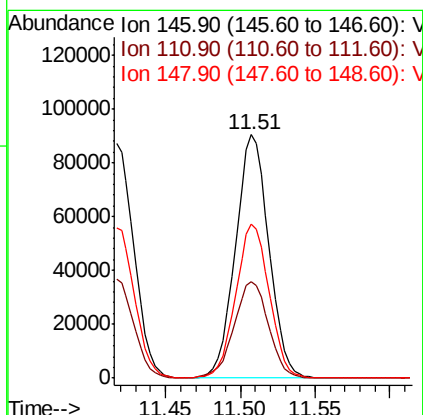
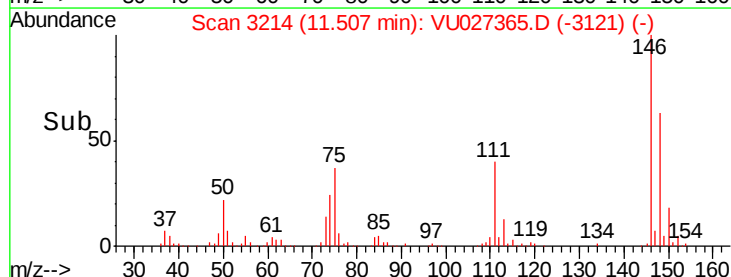
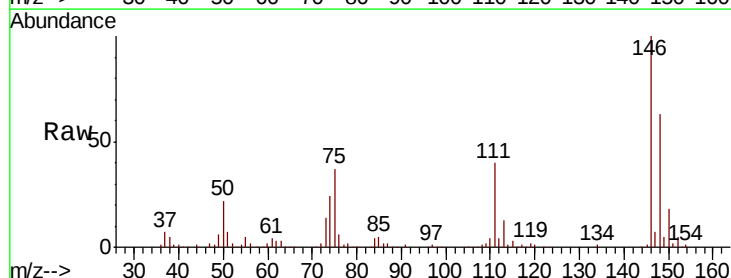
Instrument :
 MSVOA_U
 ClientSampled :
 BFB

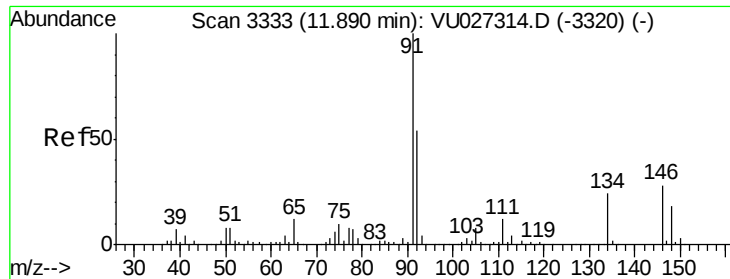
Tgt Ion:146 Resp: 136144
 Ion Ratio Lower Upper
 146 100
 111 42.3 20.8 62.5
 148 64.4 31.6 94.8



#88
 1,4-Dichlorobenzene
 Concen: 47.852 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. -0.00 min
 Lab File: VU027365.D
 Acq: 03 Oct 2018 18:46

Tgt Ion:146 Resp: 139546
 Ion Ratio Lower Upper
 146 100
 111 41.2 20.4 61.2
 148 64.0 31.9 95.5

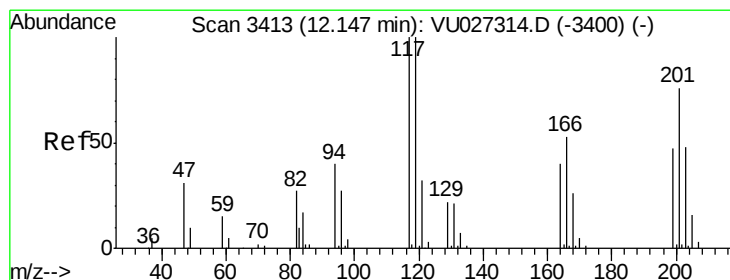
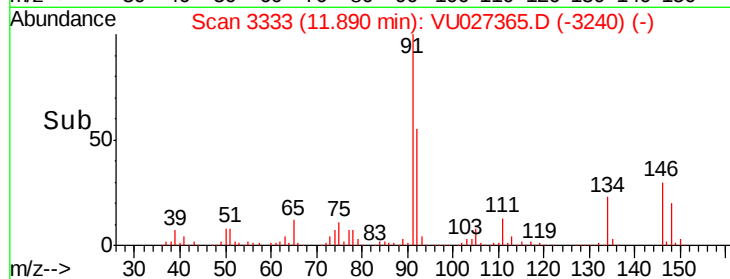
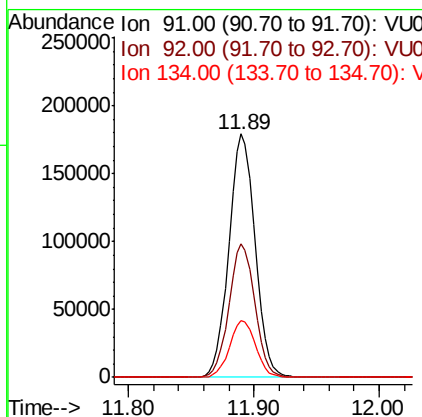
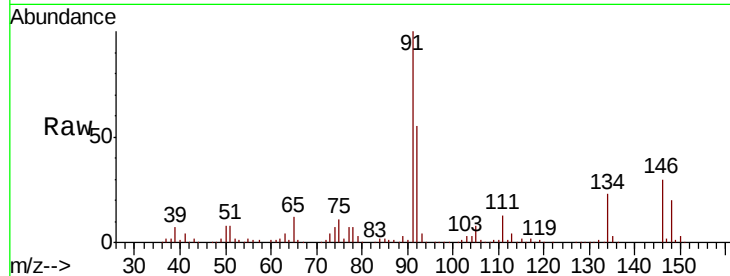




#89
n-Butylbenzene
Concen: 44.575 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. -0.00 min
Lab File: VU027365.D
Acq: 03 Oct 2018 18:46

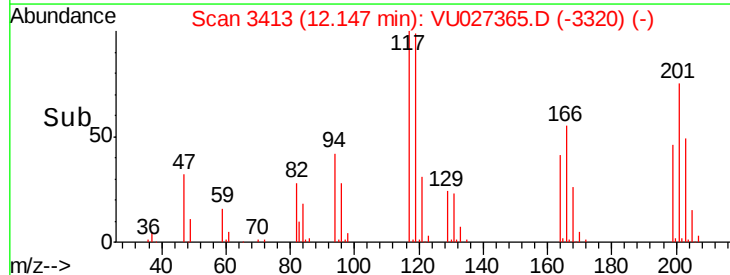
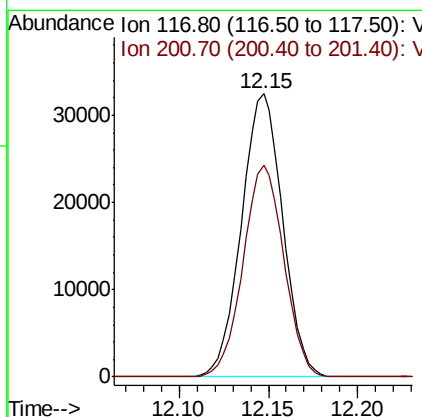
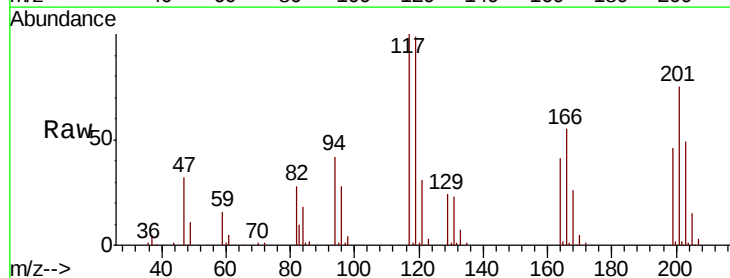
Instrument :
MSVOA_U
ClientSampleId :
BFB

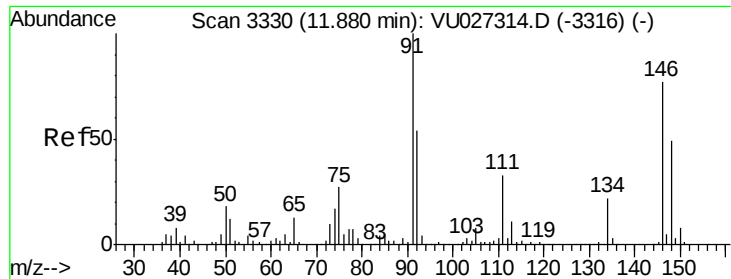
Tgt Ion: 91 Resp: 259170
Ion Ratio Lower Upper
91 100
92 54.1 27.0 81.0
134 23.3 11.7 35.1



#90
Hexachloroethane
Concen: 50.594 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. -0.00 min
Lab File: VU027365.D
Acq: 03 Oct 2018 18:46

Tgt Ion: 117 Resp: 52511
Ion Ratio Lower Upper
117 100
201 73.7 37.9 113.6

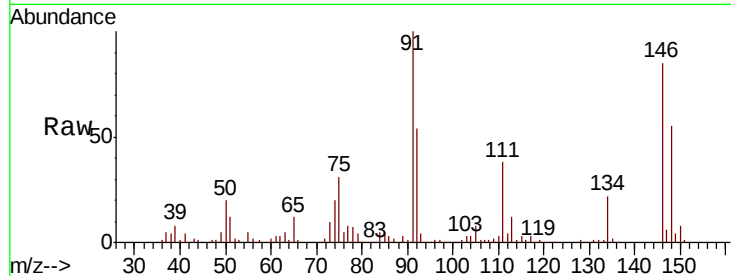




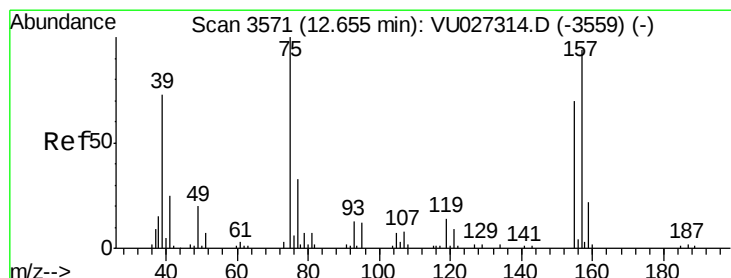
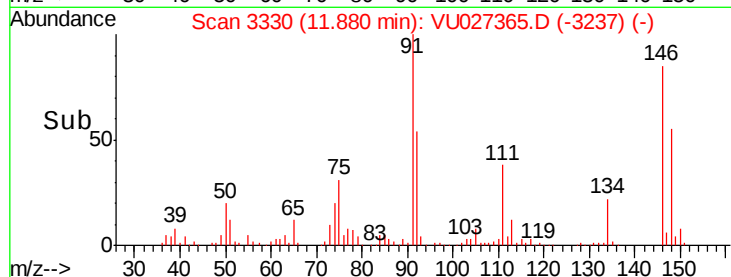
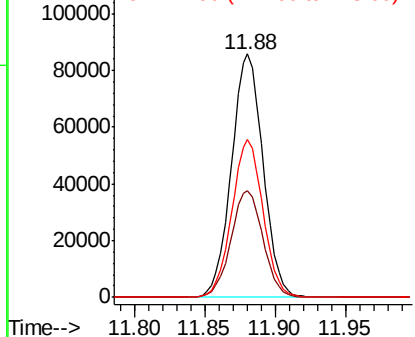
#91
 1,2-Dichlorobenzene
 Concen: 48.446 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. -0.00 min
 Lab File: VU027365.D
 Acq: 03 Oct 2018 18:46

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB

Tgt Ion: 146 Resp: 134575
 Ion Ratio Lower Upper
 146 100
 111 44.5 21.8 65.4
 148 64.1 31.9 95.5

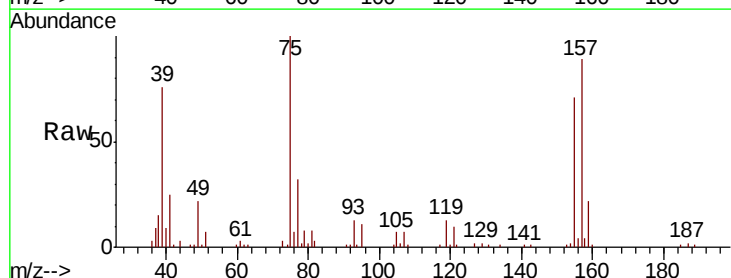


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

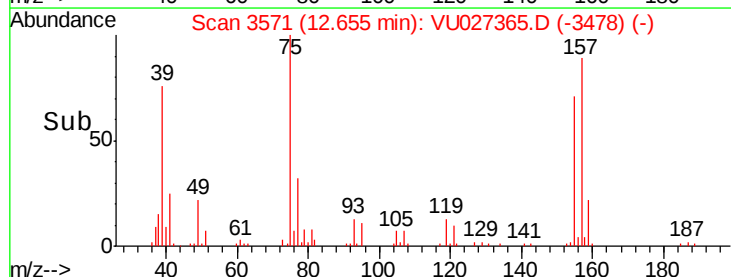
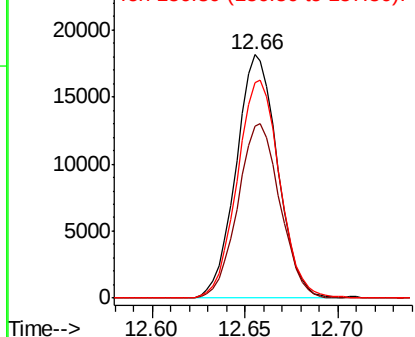


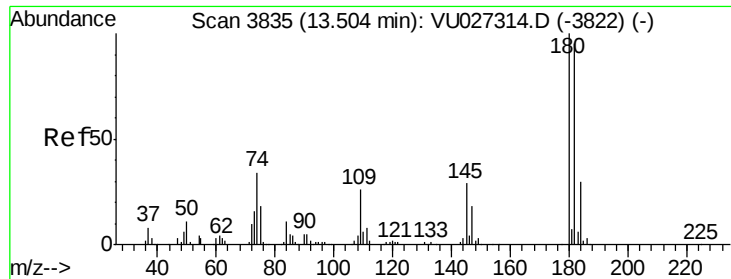
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.049 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU027365.D
 Acq: 03 Oct 2018 18:46

Tgt Ion: 75 Resp: 28244
 Ion Ratio Lower Upper
 75 100
 155 72.4 35.9 107.8
 157 91.6 46.9 140.6



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

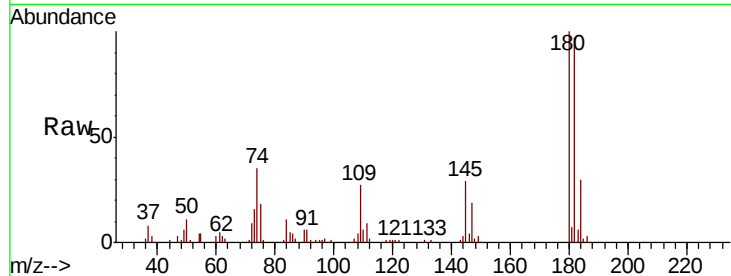




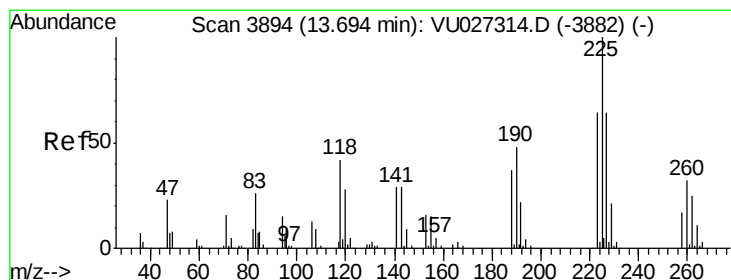
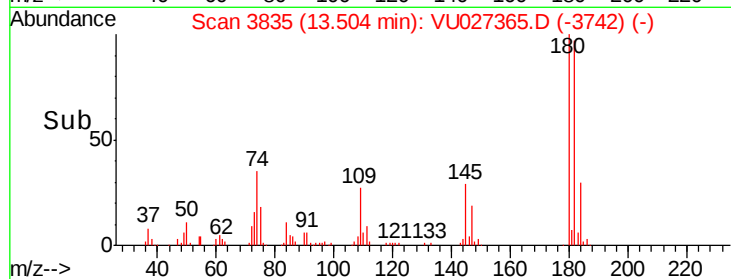
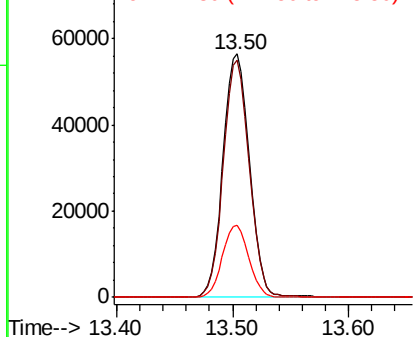
#93
 1,2,4-Trichlorobenzene
 Concen: 49.743 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. -0.00 min
 Lab File: VU027365.D
 Acq: 03 Oct 2018 18:46

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB

Tgt Ion:180 Resp: 89410
 Ion Ratio Lower Upper
 180 100
 182 95.5 47.4 142.3
 145 29.4 14.6 44.0

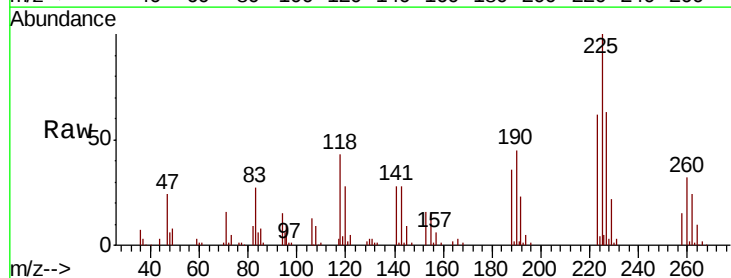


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

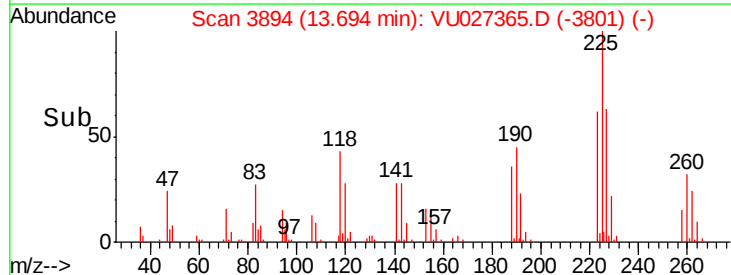
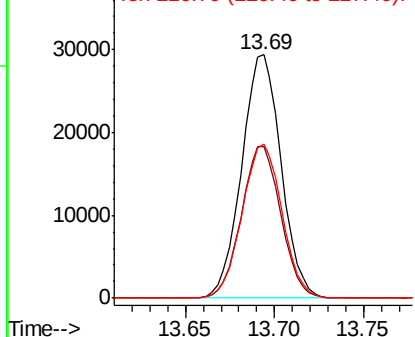


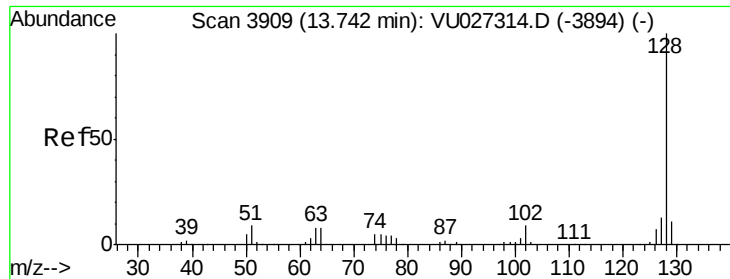
#94
 Hexachlorobutadiene
 Concen: 49.927 ug/l
 RT: 13.69 min Scan# 3894
 Delta R.T. -0.00 min
 Lab File: VU027365.D
 Acq: 03 Oct 2018 18:46

Tgt Ion:225 Resp: 45340
 Ion Ratio Lower Upper
 225 100
 223 62.2 31.8 95.3
 227 63.9 31.9 95.7



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

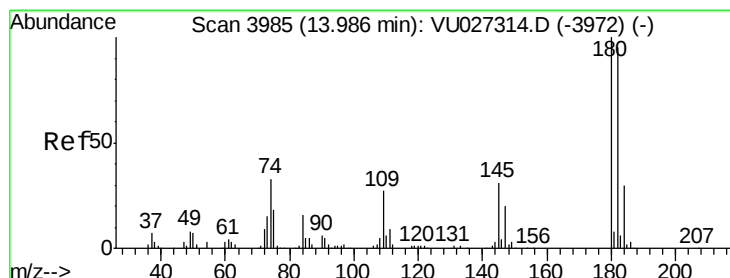
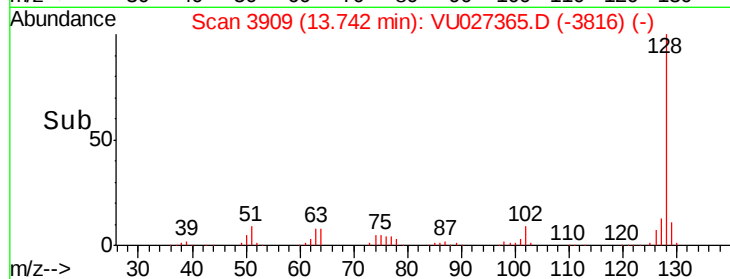
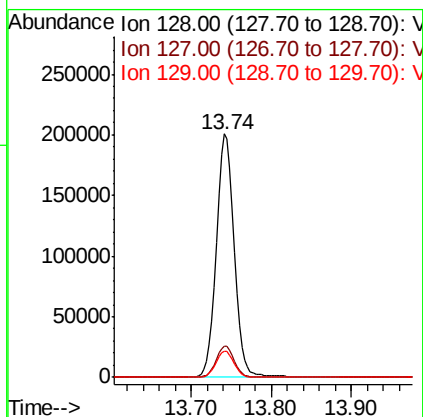
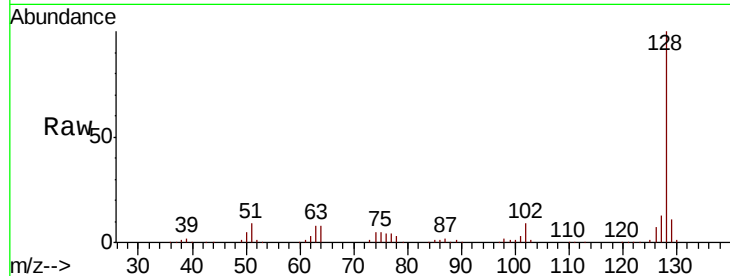




#95
Naphthalene
Concen: 46.656 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. -0.00 min
Lab File: VU027365.D
Acq: 03 Oct 2018 18:46

Instrument :
MSVOA_U
ClientSampled :
BFB

Tgt Ion:128 Resp: 314173
Ion Ratio Lower Upper
128 100
127 12.9 10.5 15.7
129 10.8 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 50.478 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. -0.00 min
Lab File: VU027365.D
Acq: 03 Oct 2018 18:46

Tgt Ion:180 Resp: 94525
Ion Ratio Lower Upper
180 100
182 96.8 47.4 142.2
145 32.3 15.9 47.7

