

Data File : VU027065.D
Acq On : 23 Sep 2018 12:06
Operator : MD/SY
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 107 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFB

Quant Time: Sep 24 07:12:24 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
Quant Title : SW846 8260
QLast Update : Sat Sep 22 01:31:57 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	86793	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	147575	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	142100	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	78629	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	90642	51.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.78%	
35) Dibromofluoromethane	4.88	113	63458	49.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.22%	
50) Toluene-d8	7.57	98	246753	50.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.24%	
62) 4-Bromofluorobenzene	10.31	95	88495	52.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	52660	46.470	ug/l	100
3) Chloromethane	1.33	50	88050	45.067	ug/l	100
4) Vinyl Chloride	1.40	62	84559	46.366	ug/l	99
5) Bromomethane	1.61	94	45432	43.746	ug/l	99
6) Chloroethane	1.69	64	55236	47.402	ug/l	98
7) Trichlorofluoromethane	1.88	101	96971	46.816	ug/l	98
8) Diethyl Ether	2.10	74	48084	48.229	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.28	101	59563	46.768	ug/l	99
10) Methyl Iodide	2.41	142	63647	40.294	ug/l	99
11) Tert butyl alcohol	2.83	59	95237	237.860	ug/l	99
12) 1,1-Dichloroethene	2.28	96	54699	45.630	ug/l	97
13) Acrolein	2.19	56	51074	236.632	ug/l	100
14) Allyl chloride	2.59	41	129109	53.102	ug/l	97
15) Acrylonitrile	2.93	53	250906	248.634	ug/l	99
16) Acetone	2.32	43	262873	285.662	ug/l	100
17) Carbon Disulfide	2.48	76	177331	45.410	ug/l	100
18) Methyl Acetate	2.61	43	125277	50.386	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	228685	51.914	ug/l	100
20) Methylene Chloride	2.70	84	71303	45.577	ug/l	97
21) trans-1,2-Dichloroethene	2.98	96	61665	48.181	ug/l	99
22) Diisopropyl ether	3.57	45	282826	54.385	ug/l	97
23) Vinyl Acetate	3.52	43	1212290	273.473	ug/l	98
24) 1,1-Dichloroethane	3.44	63	141421	49.376	ug/l	99
25) 2-Butanone	4.26	43	376760	256.643	ug/l	99
26) 2,2-Dichloropropane	4.23	77	112675	50.443	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	72466	50.136	ug/l	97
28) Bromochloromethane	4.55	49	78867	57.122	ug/l	94
29) Tetrahydrofuran	4.64	42	228017	256.758	ug/l	97
30) Chloroform	4.67	83	127706	48.034	ug/l	98
31) Cyclohexane	5.00	56	132696	50.978	ug/l	99
32) 1,1,1-Trichloroethane	4.92	97	105422	49.664	ug/l	99
36) 1,1-Dichloropropene	5.13	75	97860	49.686	ug/l	98
37) Ethyl Acetate	4.38	43	131180	49.200	ug/l	99
38) Carbon Tetrachloride	5.13	117	89800	47.911	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	114610	53.547	ug/l	98
40) Benzene	5.39	78	286465	47.845	ug/l	99
41) Methacrylonitrile	4.54	41	73921	53.384	ug/l	98
42) 1,2-Dichloroethane	5.41	62	110988	49.063	ug/l	100
43) Isopropyl Acetate	5.55	43	203433	52.318	ug/l	99
44) Trichloroethene	6.19	130	61375	48.150	ug/l	98
45) 1,2-Dichloropropane	6.43	63	85910	50.357	ug/l	99
46) Dibromomethane	6.56	93	49875	48.406	ug/l	97
47) Bromodichloromethane	6.76	83	101216	48.582	ug/l	97
48) Methyl methacrylate	6.62	41	104225	49.262	ug/l	99
49) 1,4-Dioxane	6.61	88	38939	926.317	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	689046	263.478	ug/l	100
52) Toluene	7.64	92	174243	50.770	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	118207	52.807	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	128754	52.313	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	71026	48.841	ug/l	99
56) Ethyl methacrylate	8.02	69	121600	48.272	ug/l	98
57) 1,3-Dichloropropane	8.24	76	135718	50.178	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	351316	245.427	ug/l	99
59) 2-Hexanone	8.36	43	536139	261.899	ug/l	99
60) Dibromochloromethane	8.48	129	71260	49.957	ug/l	100
61) 1,2-Dibromoethane	8.59	107	73373	48.493	ug/l	99
64) Tetrachloroethene	8.23	164	52096	47.577	ug/l	98
65) Chlorobenzene	9.12	112	179172	47.554	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	64434	49.650	ug/l	100
67) Ethyl Benzene	9.25	91	329549	53.190	ug/l	99
68) m/p-Xylenes	9.38	106	245905	98.032	ug/l	98
69) o-Xylene	9.78	106	118154	53.823	ug/l	98
70) Styrene	9.79	104	196528	48.022	ug/l	99
71) Bromoform	9.96	173	50711	50.531	ug/l #	98
73) Isopropylbenzene	10.17	105	323453	54.078	ug/l	99
74) N-amyl acetate	10.01	43	188942	54.573	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	127678	46.428	ug/l	98
76) 1,2,3-Trichloropropane	10.49	75	151964	63.617	ug/l	83
77) Bromobenzene	10.45	156	72125	49.346	ug/l	96
78) n-propylbenzene	10.59	91	393015	55.533	ug/l	100
79) 2-Chlorotoluene	10.66	91	231055	51.977	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	270815	54.850	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.49	75	151964	203.586	ug/l #	100
82) 4-Chlorotoluene	10.77	91	266313	53.428	ug/l	99
83) tert-Butylbenzene	11.10	119	256981	52.645	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	278425	55.411	ug/l	98
85) sec-Butylbenzene	11.32	105	327881	55.026	ug/l	100
86) p-Isopropyltoluene	11.48	119	279331	49.960	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	133608	49.122	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	133646	45.084	ug/l	99
89) n-Butylbenzene	11.89	91	260778	48.204	ug/l	99
90) Hexachloroethane	12.15	117	52552	48.499	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	135203	46.796	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	27431	48.896	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092318\
Quantitation Report (Not Reviewed)

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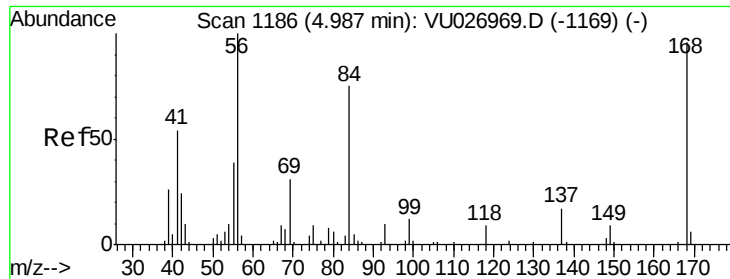
Quant Time: Sep 24 07:12:24 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
Quant Title : SW846 8260
QLast Update : Sat Sep 22 01:31:57 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	85688	51.466	ug/l	100
94) Hexachlorobutadiene	13.69	225	42156	47.853	ug/l	99
95) Naphthalene	13.74	128	303228	46.696	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	89658	50.215	ug/l	99

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU027065.D

Acq: 23 Sep 2018 12:06

Instrument :

MSVOA_U

ClientSampleId :

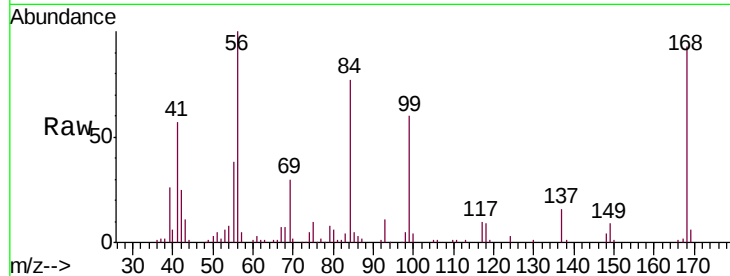
BFB

Tgt Ion:168 Resp: 86793

Ion Ratio Lower Upper

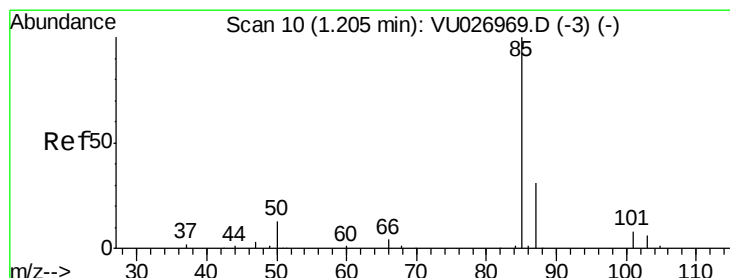
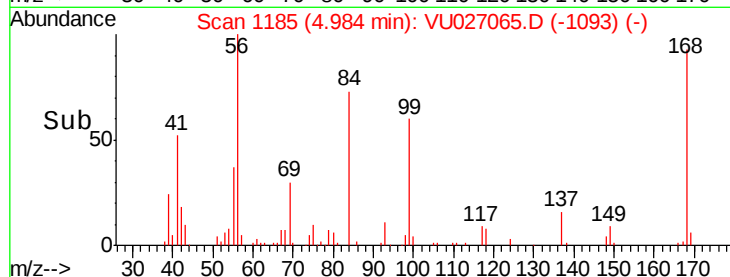
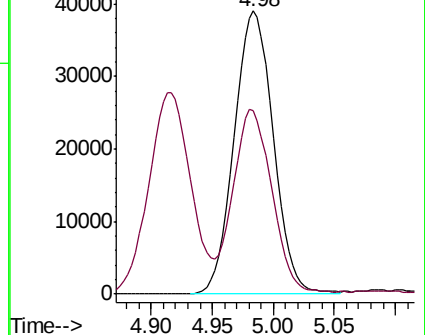
168 100

99 63.9 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): VU026969.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU026969.D (-1169) (-)



#2

Dichlorodifluoromethane

Concen: 46.470 ug/l

RT: 1.20 min Scan# 9

Delta R.T. -0.00 min

Lab File: VU027065.D

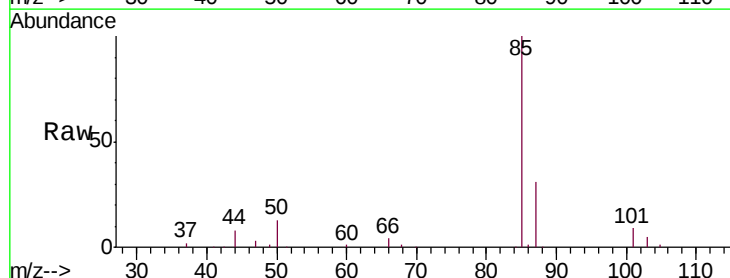
Acq: 23 Sep 2018 12:06

Tgt Ion: 85 Resp: 52660

Ion Ratio Lower Upper

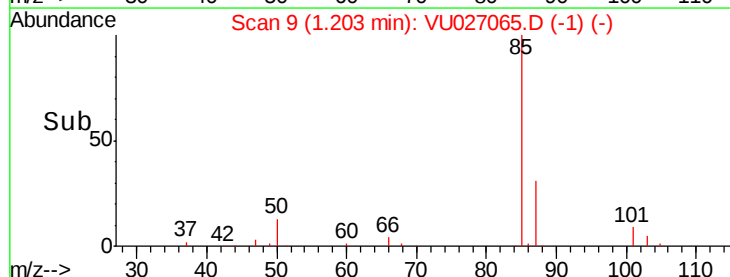
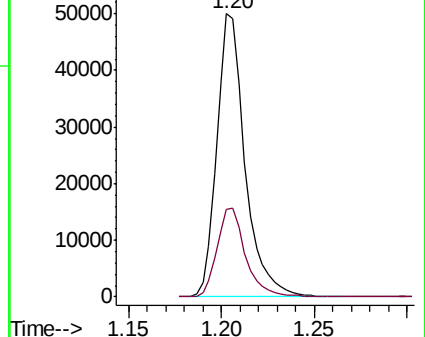
85 100

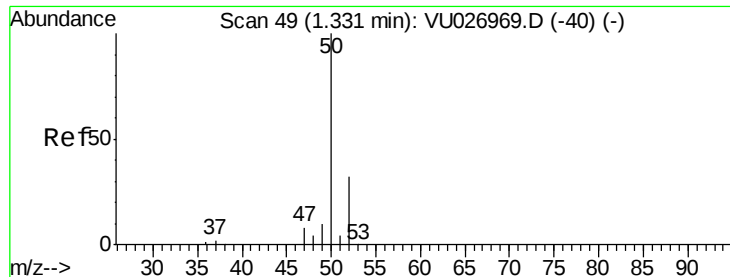
87 31.1 15.6 46.7



Abundance Ion 84.90 (84.60 to 85.60): VU026969.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU026969.D (-3) (-)





#3

Chloromethane

Concen: 45.067 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU027065.D

Acq: 23 Sep 2018 12:06

Instrument :

MSVOA_U

ClientSampleId :

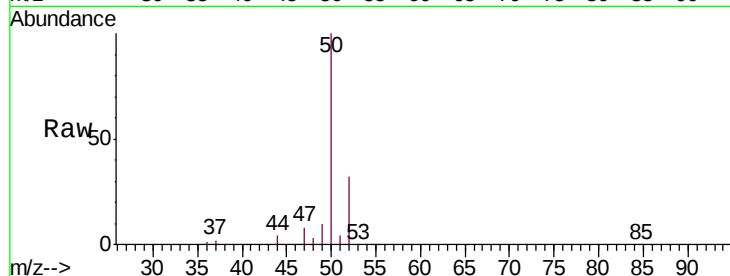
BFB

Tgt Ion: 50 Resp: 88050

Ion Ratio Lower Upper

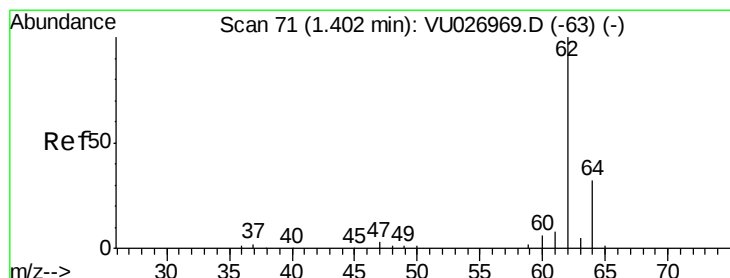
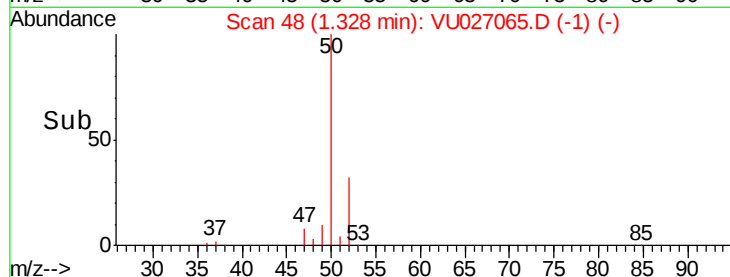
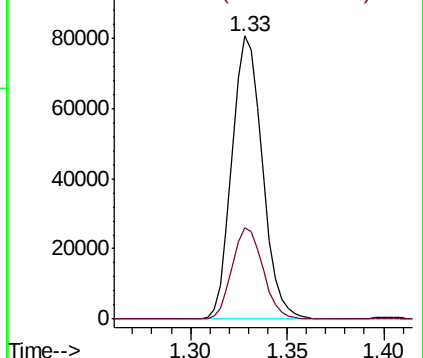
50 100

52 32.1 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 46.366 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU027065.D

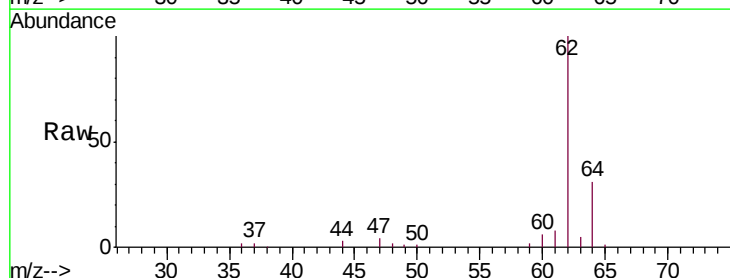
Acq: 23 Sep 2018 12:06

Tgt Ion: 62 Resp: 84559

Ion Ratio Lower Upper

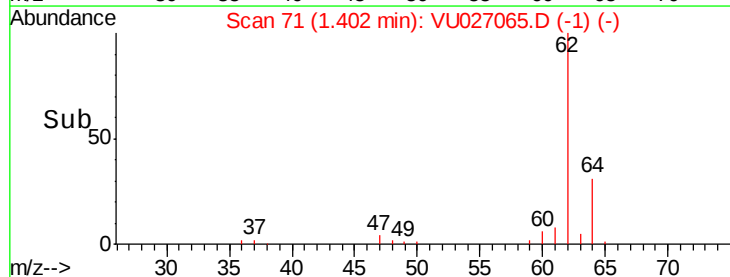
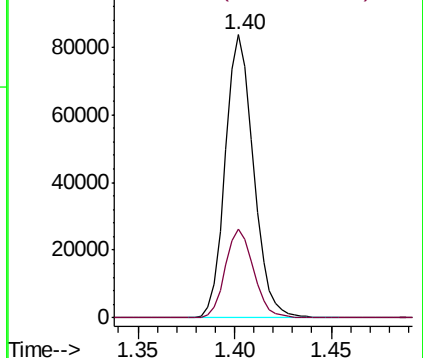
62 100

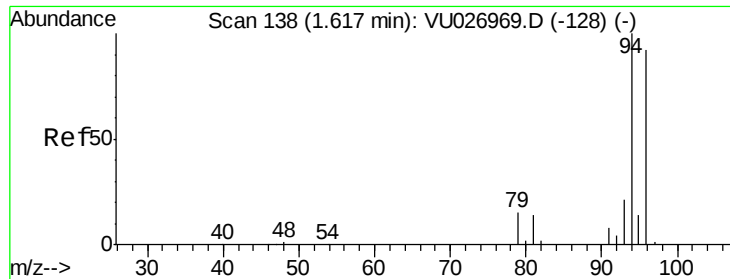
64 31.2 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 43.746 ug/l

RT: 1.61 min Scan# 135

Delta R.T. -0.01 min

Lab File: VU027065.D

Acq: 23 Sep 2018 12:06

Instrument :

MSVOA_U

ClientSampleId :

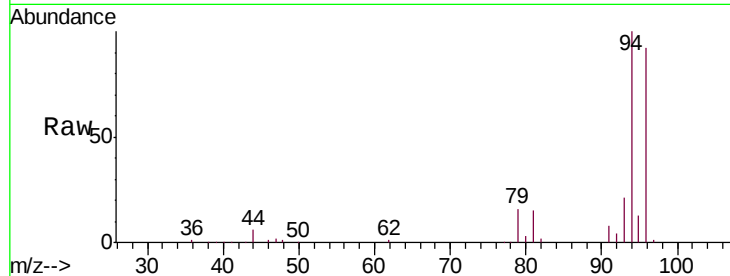
BFB

Tgt Ion: 94 Resp: 45432

Ion Ratio Lower Upper

94 100

96 92.2 73.2 109.8



Abundance Ion 93.90 (93.60 to 94.60): VU026969.D (-128) (-)

Ion 95.90 (95.60 to 96.60): VU027065.D (-45) (-)

1.61

40000

30000

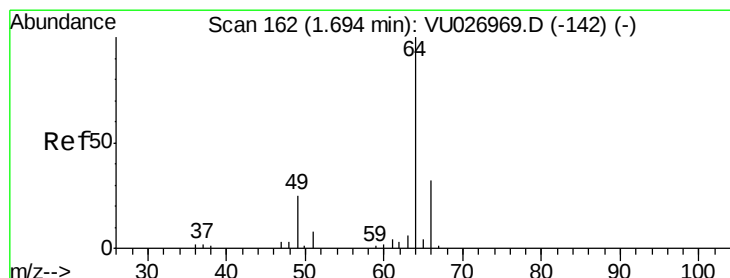
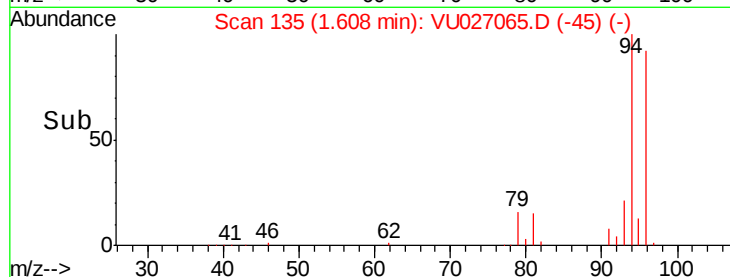
20000

10000

0

Time-->

1.55 1.60 1.65



#6

Chloroethane

Concen: 47.402 ug/l

RT: 1.69 min Scan# 160

Delta R.T. -0.01 min

Lab File: VU027065.D

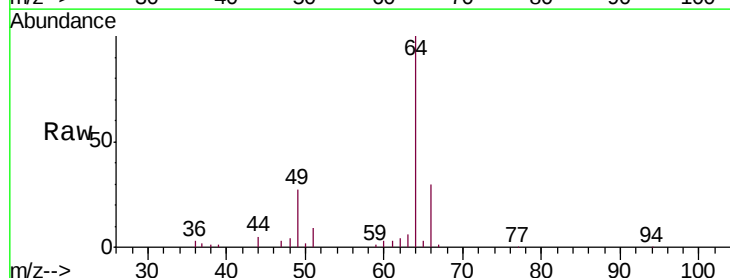
Acq: 23 Sep 2018 12:06

Tgt Ion: 64 Resp: 55236

Ion Ratio Lower Upper

64 100

66 30.5 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VU026969.D (-142) (-)

Ion 65.90 (65.60 to 66.60): VU027065.D (-69) (-)

1.69

40000

30000

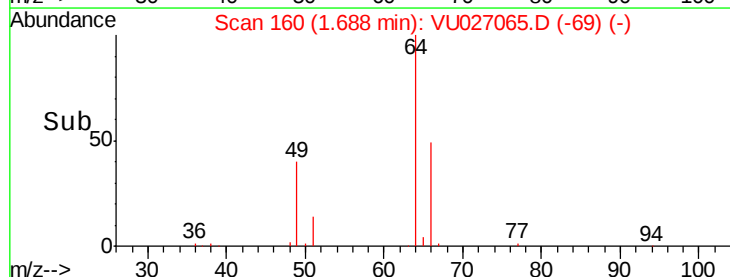
20000

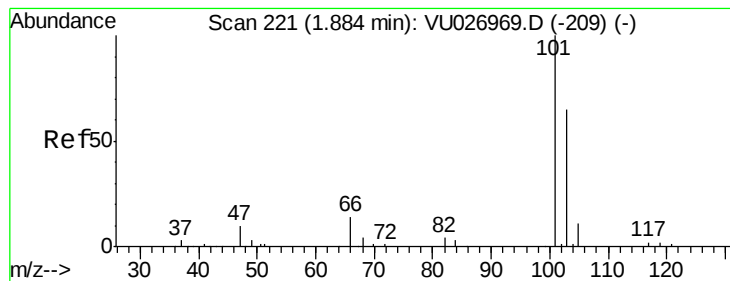
10000

0

Time-->

1.60 1.65 1.70 1.75 1.80



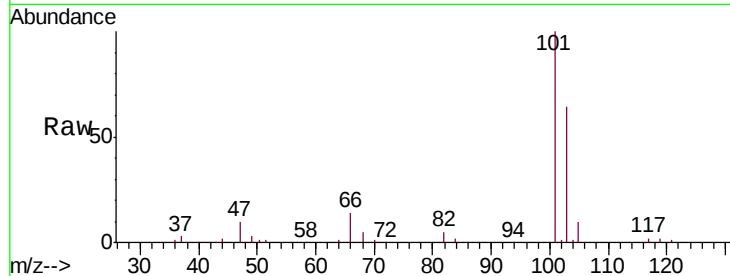


#7

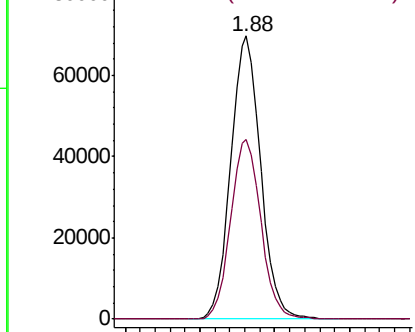
Trichlorofluoromethane
 Concen: 46.816 ug/l
 RT: 1.88 min Scan# 220
 Delta R.T. -0.00 min
 Lab File: VU027065.D
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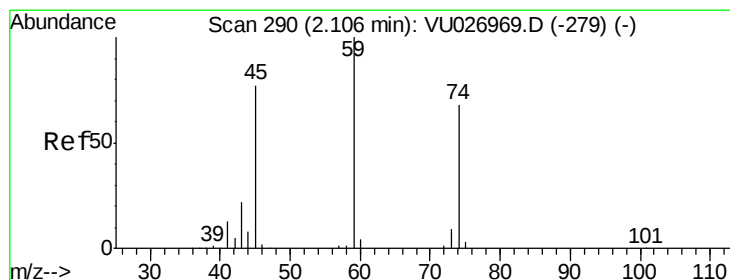
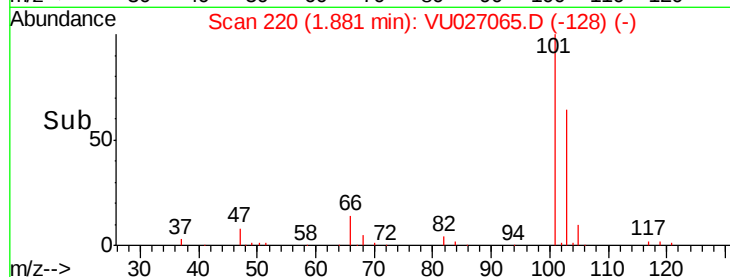
Tgt Ion:101 Resp: 96971
 Ion Ratio Lower Upper
 101 100
 103 63.5 52.2 78.2



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



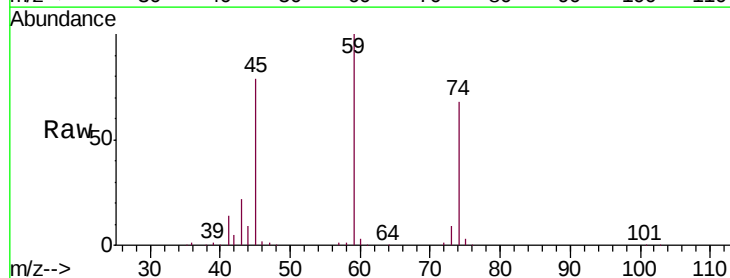
Time--> 1.80 1.85 1.90 1.95



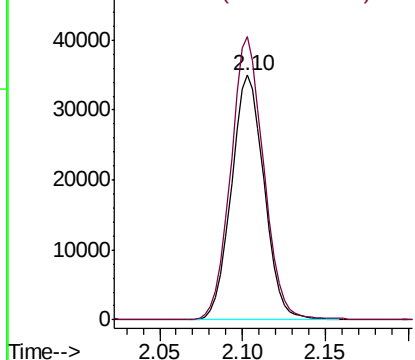
#8

Diethyl Ether
 Concen: 48.229 ug/l
 RT: 2.10 min Scan# 289
 Delta R.T. -0.00 min
 Lab File: VU027065.D
 Acq: 23 Sep 2018 12:06

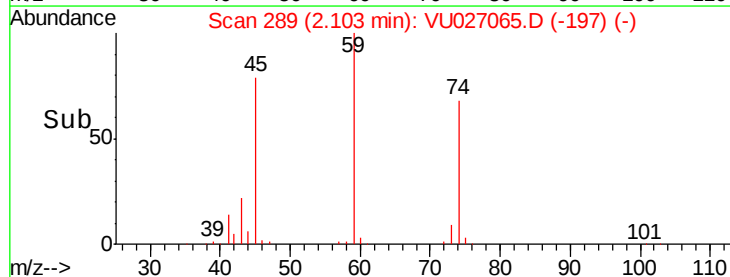
Tgt Ion: 74 Resp: 48084
 Ion Ratio Lower Upper
 74 100
 45 116.9 56.9 170.7

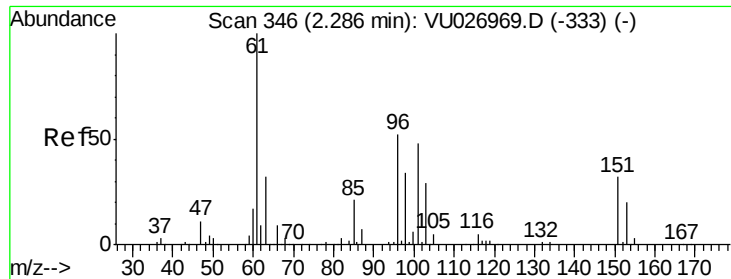


Abundance Ion 74.00 (73.70 to 74.70): VU0
 Ion 45.00 (44.70 to 45.70): VU0



Time--> 2.05 2.10 2.15





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.768 ug/l

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

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ClientSampled :

BFB

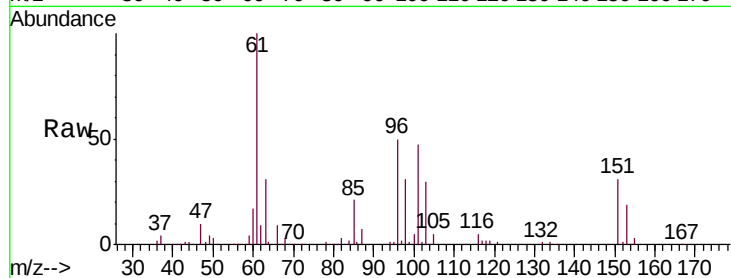
Tgt Ion:101 Resp: 59563

Ion Ratio Lower Upper

101 100

85 46.3 36.2 54.2

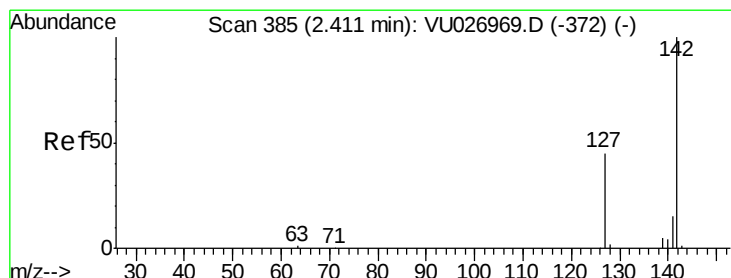
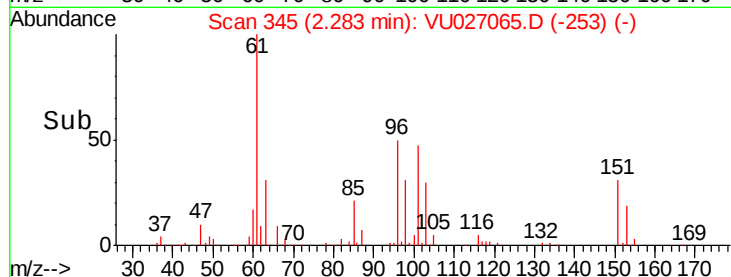
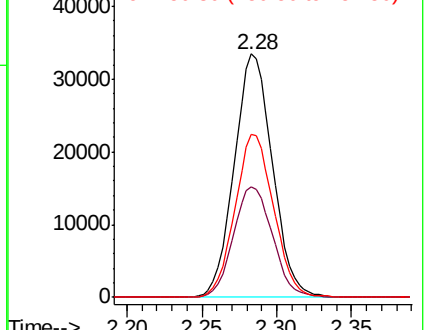
151 67.6 54.5 81.7



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: 40.294 ug/l

RT: 2.41 min Scan# 384

Delta R.T. -0.00 min

Lab File: VU027065.D

Acq: 23 Sep 2018 12:06

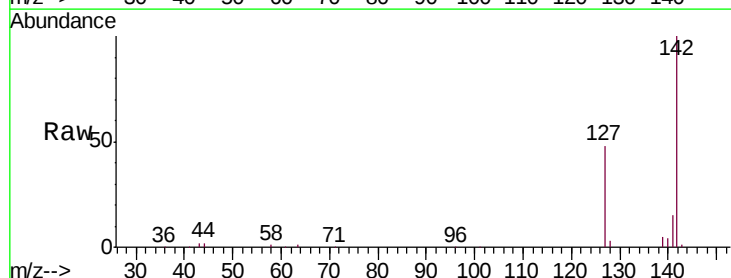
Tgt Ion:142 Resp: 63647

Ion Ratio Lower Upper

142 100

127 46.4 36.7 55.1

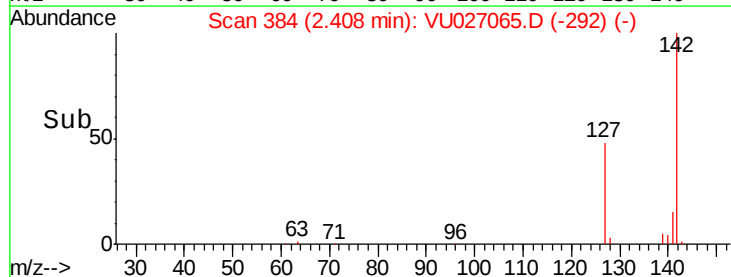
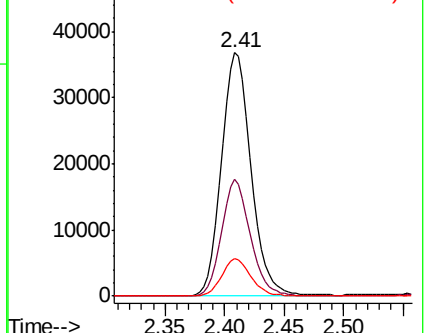
141 15.1 11.8 17.6

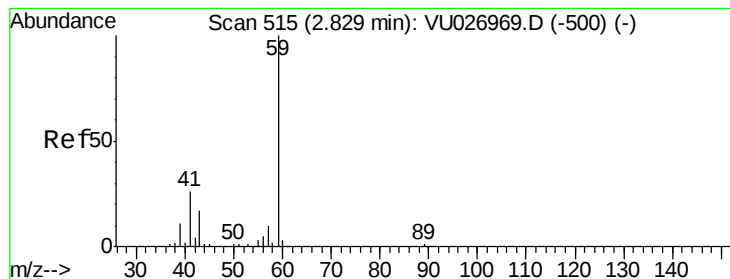


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



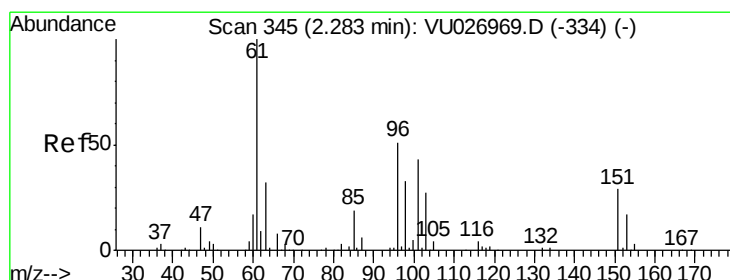
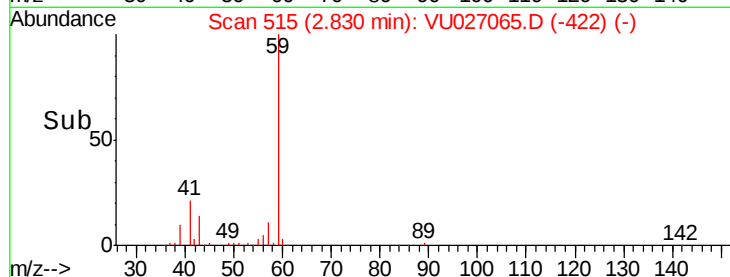
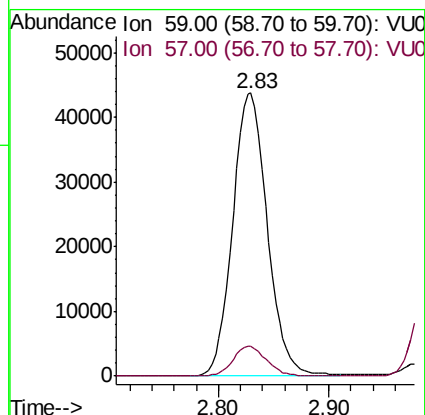
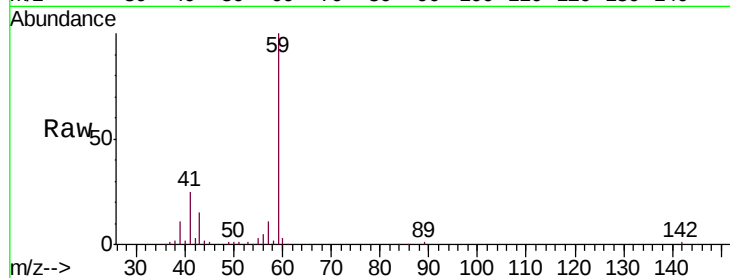


#11

Tert butyl alcohol
 Concen: 237.860 ug/l
 RT: 2.83 min Scan# 515
 Delta R.T. 0.00 min
 Lab File: VU027065.D
 Acq: 23 Sep 2018 12:06

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB

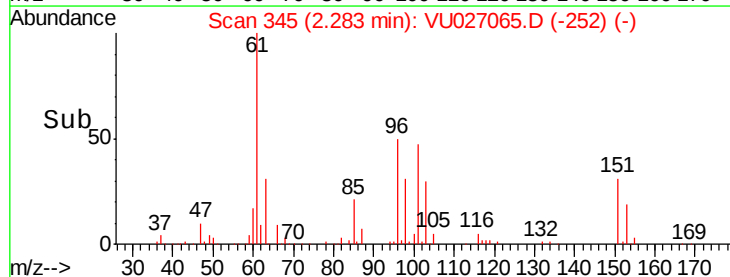
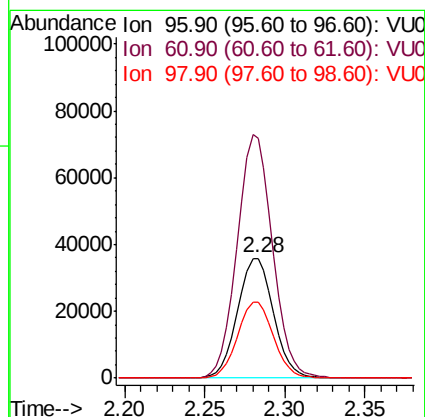
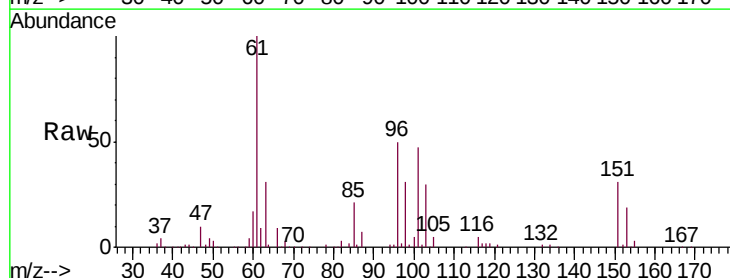
Tgt Ion: 59 Resp: 95237
 Ion Ratio Lower Upper
 59 100
 57 10.2 8.5 12.7

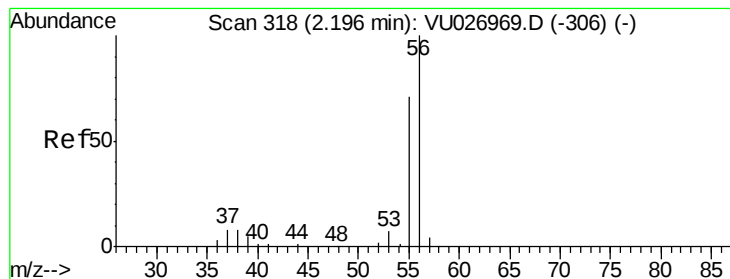


#12

1,1-Dichloroethene
 Concen: 45.630 ug/l
 RT: 2.28 min Scan# 345
 Delta R.T. 0.00 min
 Lab File: VU027065.D
 Acq: 23 Sep 2018 12:06

Tgt Ion: 96 Resp: 54699
 Ion Ratio Lower Upper
 96 100
 61 199.2 156.1 234.1
 98 62.7 51.4 77.0





#13

Acrolein

Concen: 236.632 ug/l

RT: 2.19 min Scan# 317

Delta R.T. -0.00 min

Lab File: VU027065.D

Acq: 23 Sep 2018 12:06

Instrument :

MSVOA_U

ClientSampleId :

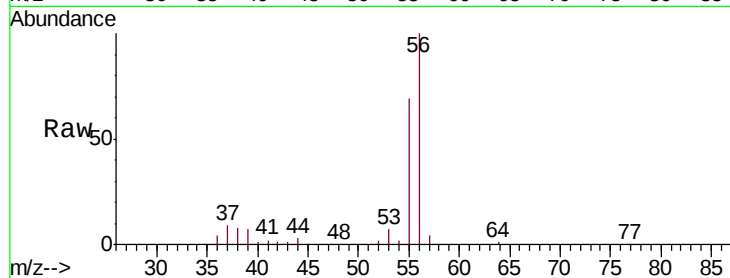
BFB

Tgt Ion: 56 Resp: 51074

Ion Ratio Lower Upper

56 100

55 71.4 57.1 85.7



Abundance Ion 56.00 (55.70 to 56.70): VU026969.D (-306) (-)

Ion 55.00 (54.70 to 55.70): VU026969.D (-306) (-)

2.19

40000

30000

20000

10000

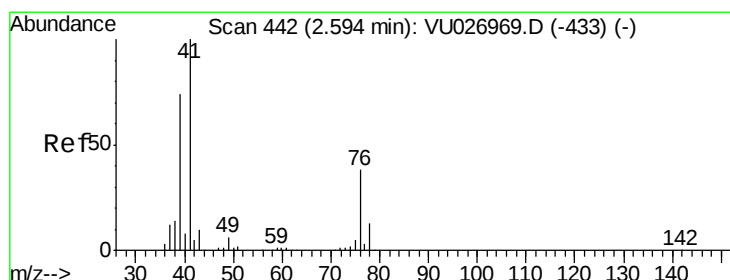
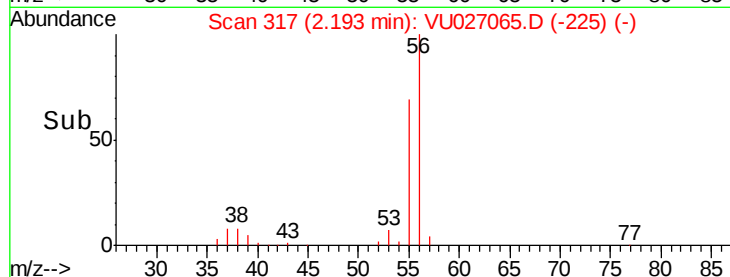
0

Time-->

2.15

2.20

2.25



#14

Allyl chloride

Concen: 53.102 ug/l

RT: 2.59 min Scan# 441

Delta R.T. -0.00 min

Lab File: VU027065.D

Acq: 23 Sep 2018 12:06

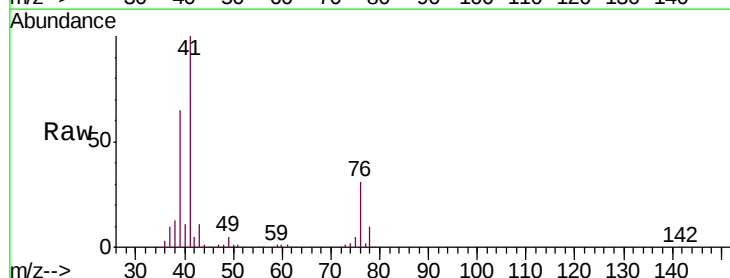
Tgt Ion: 41 Resp: 129109

Ion Ratio Lower Upper

41 100

39 67.4 55.7 83.5

76 30.9 26.5 39.7



Abundance Ion 41.00 (40.70 to 41.70): VU026969.D (-433) (-)

Ion 39.00 (38.70 to 39.70): VU026969.D (-433) (-)

Ion 75.90 (75.60 to 76.60): VU026969.D (-433) (-)

2.59

100000

80000

60000

40000

20000

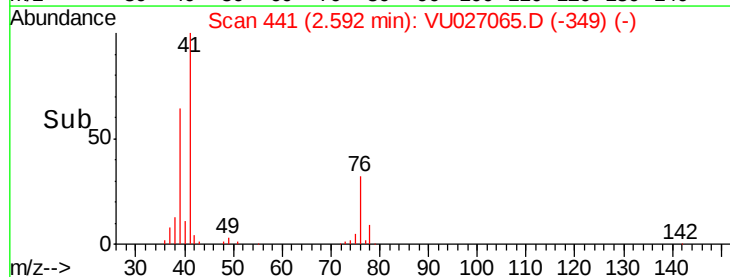
0

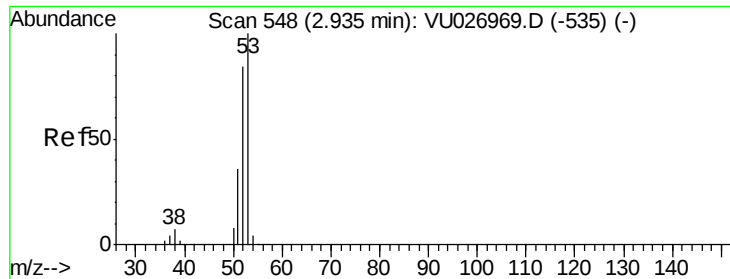
Time-->

2.55

2.60

2.65





#15

Acrylonitrile

Concen: 248.634 ug/l

RT: 2.93 min Scan# 547

Delta R.T. -0.00 min

Lab File: VU027065.D

Acq: 23 Sep 2018 12:06

Instrument :

MSVOA_U

ClientSampleId :

BFB

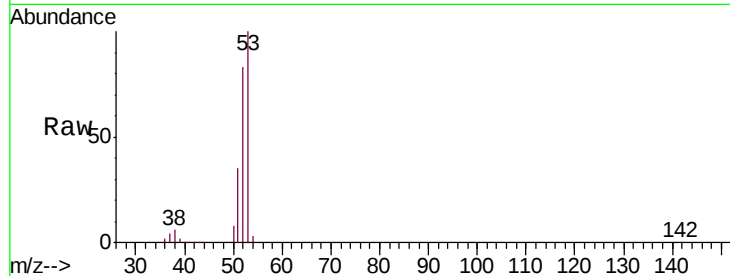
Tgt Ion: 53 Resp: 250906

Ion Ratio Lower Upper

53 100

52 81.9 65.7 98.5

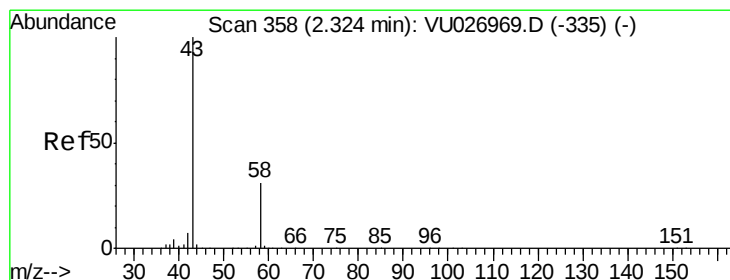
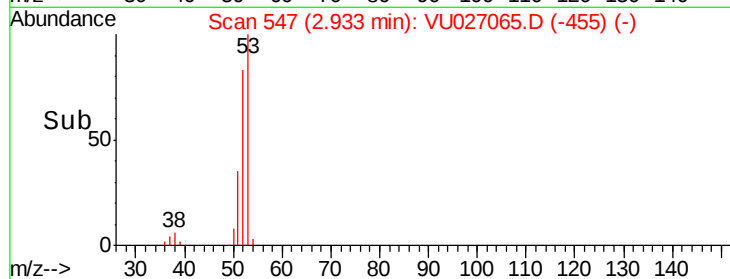
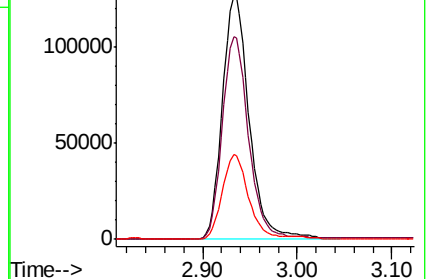
51 35.2 27.4 41.2



Abundance Ion 53.00 (52.70 to 53.70): VU026969.D (-535) (-)

Ion 52.00 (51.70 to 52.70): VU026969.D (-535) (-)

Ion 51.00 (50.70 to 51.70): VU026969.D (-535) (-)



#16

Acetone

Concen: 285.662 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU027065.D

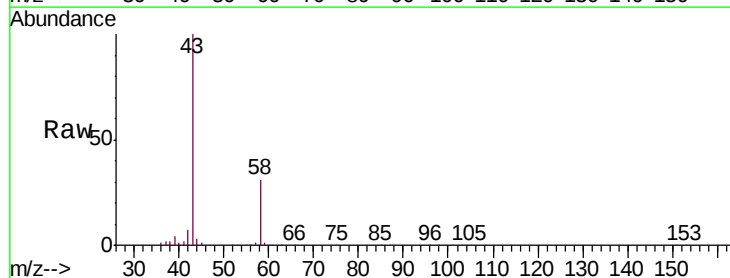
Acq: 23 Sep 2018 12:06

Tgt Ion: 43 Resp: 262873

Ion Ratio Lower Upper

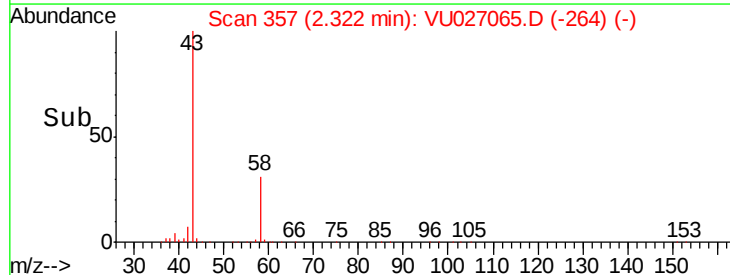
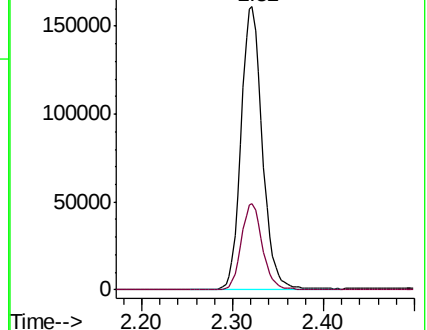
43 100

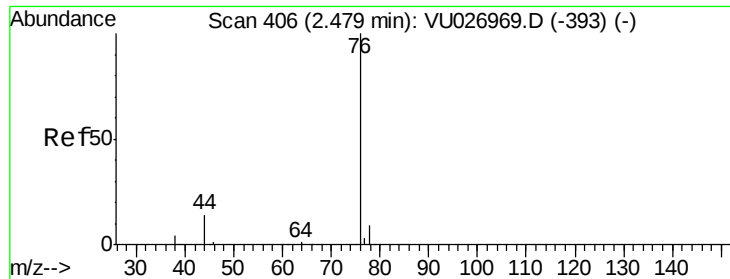
58 30.6 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VU026969.D (-335) (-)

Ion 58.00 (57.70 to 58.70): VU026969.D (-335) (-)

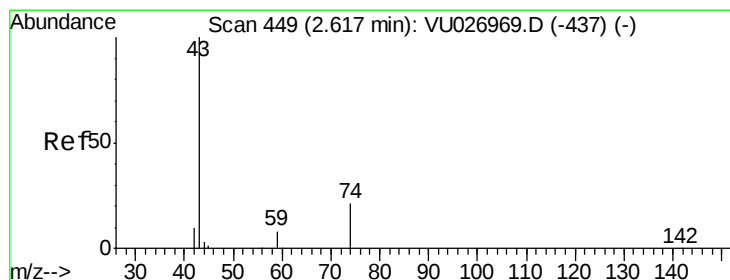
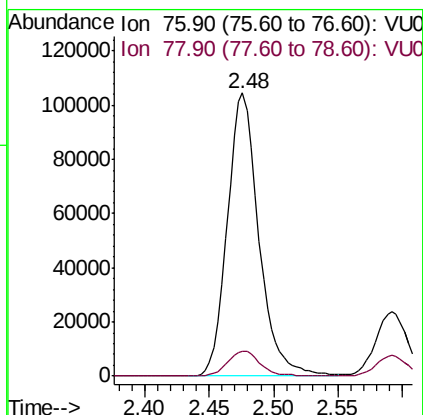
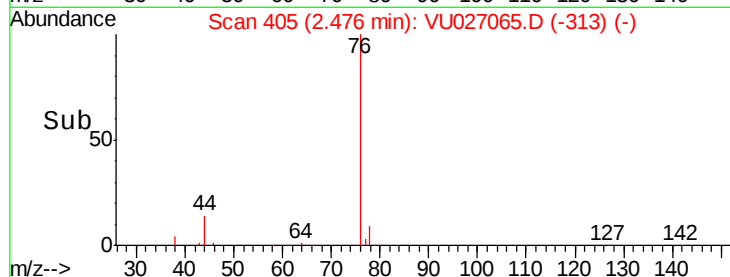
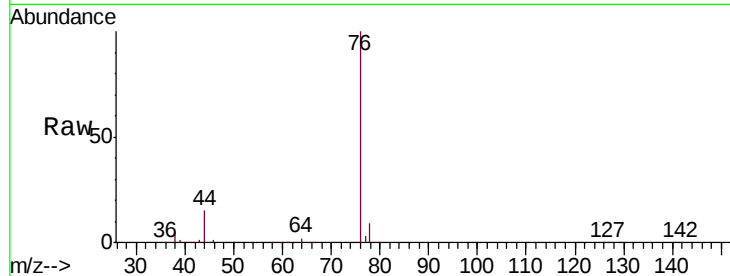




#17
Carbon Disulfide
Concen: 45.410 ug/l
RT: 2.48 min Scan# 405
Delta R.T. -0.00 min
Lab File: VU027065.D
Acq: 23 Sep 2018 12:06

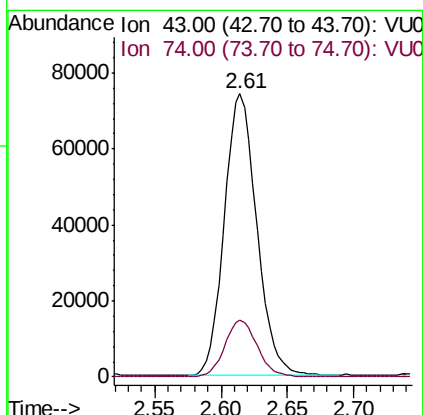
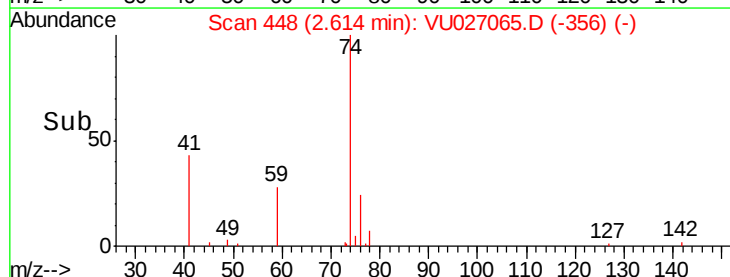
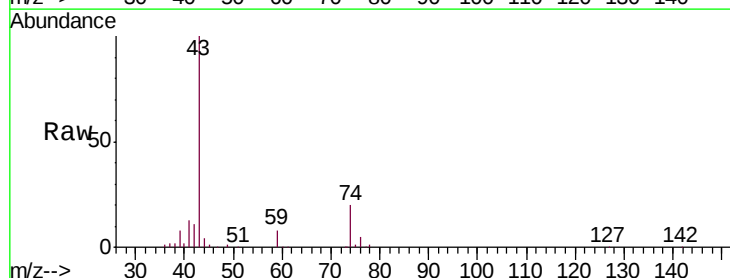
Instrument :
MSVOA_U
ClientSampleId :
BFB

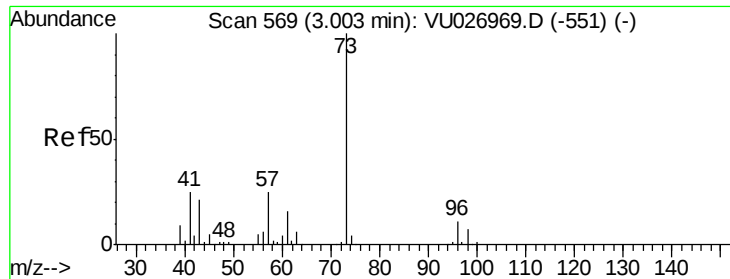
Tgt Ion: 76 Resp: 177331
Ion Ratio Lower Upper
76 100
78 9.0 7.1 10.7



#18
Methyl Acetate
Concen: 50.386 ug/l
RT: 2.61 min Scan# 448
Delta R.T. -0.00 min
Lab File: VU027065.D
Acq: 23 Sep 2018 12:06

Tgt Ion: 43 Resp: 125277
Ion Ratio Lower Upper
43 100
74 20.3 16.6 25.0

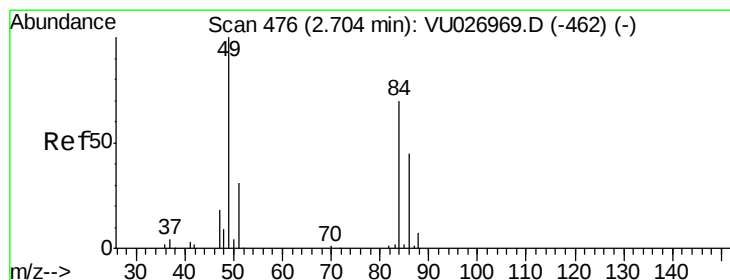
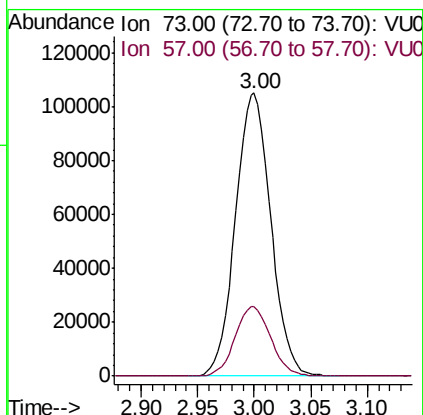
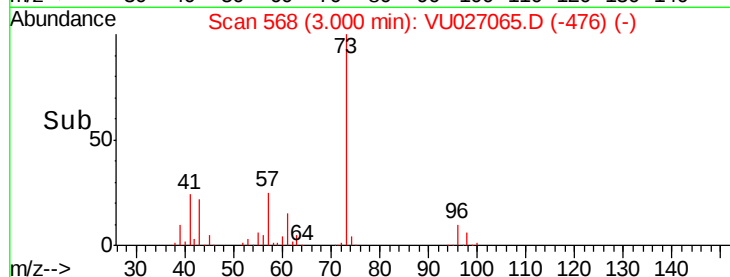
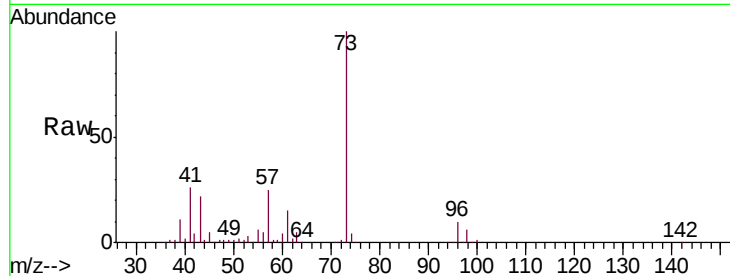




#19
Methyl tert-butyl Ether
Concen: 51.914 ug/l
RT: 3.00 min Scan# 568
Delta R.T. -0.00 min
Lab File: VU027065.D
Acq: 23 Sep 2018 12:06

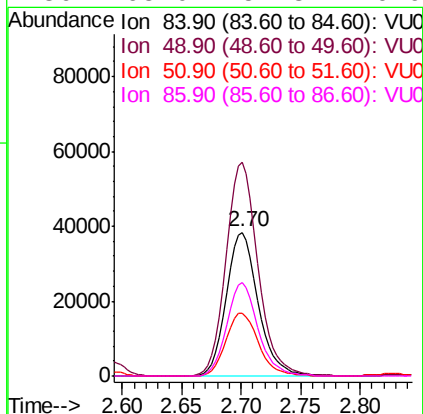
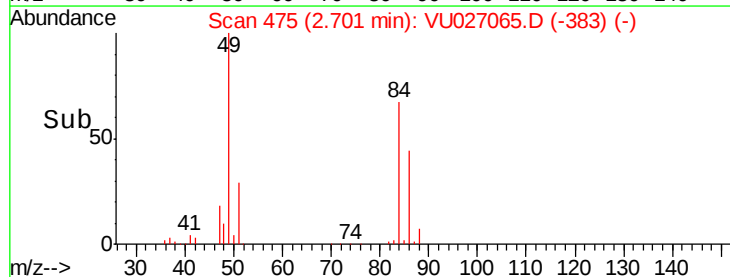
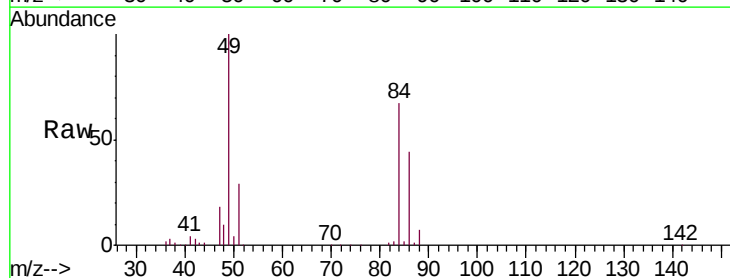
Instrument :
MSVOA_U
ClientSampleId :
BFB

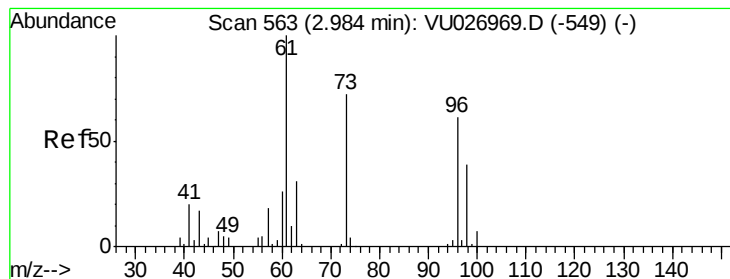
Tgt Ion: 73 Resp: 228685
Ion Ratio Lower Upper
73 100
57 24.5 19.8 29.6



#20
Methylene Chloride
Concen: 45.577 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU027065.D
Acq: 23 Sep 2018 12:06

Tgt Ion: 84 Resp: 71303
Ion Ratio Lower Upper
84 100
49 148.9 114.9 172.3
51 43.4 35.8 53.8
86 65.0 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 48.181 ug/l

RT: 2.98 min Scan# 562

Delta R.T. -0.00 min

Lab File: VU027065.D

Acq: 23 Sep 2018 12:06

Instrument :

MSVOA_U

ClientSampleId :

BFB

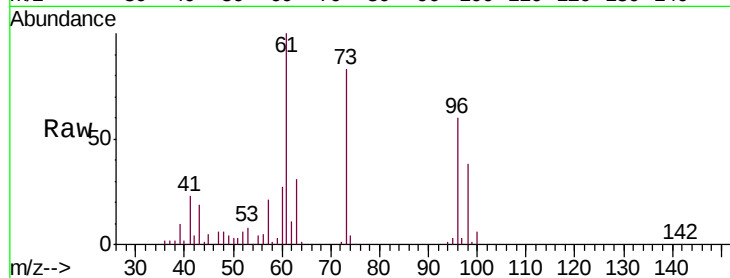
Tgt Ion: 96 Resp: 61665

Ion Ratio Lower Upper

96 100

61 166.2 131.8 197.6

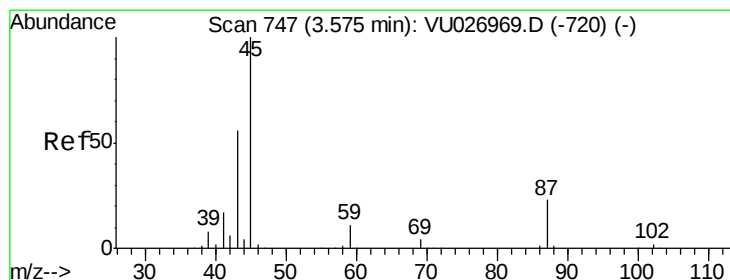
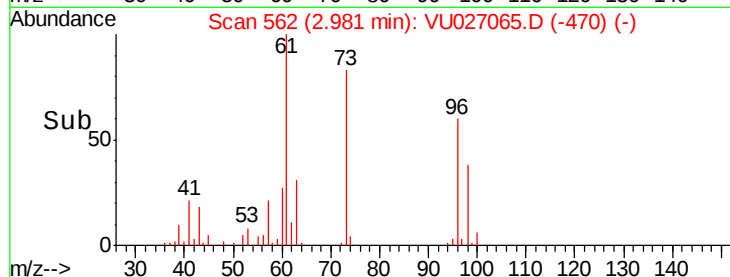
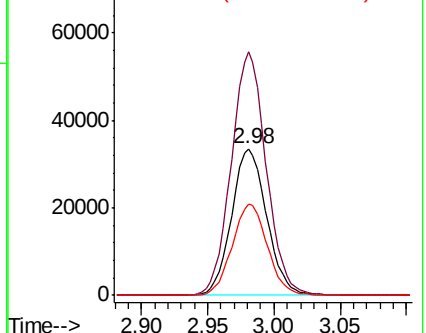
98 62.6 50.9 76.3



Abundance Ion 95.90 (95.60 to 96.60): VU026969.D (-549) (-)

Ion 60.90 (60.60 to 61.60): VU026969.D (-549) (-)

Ion 97.90 (97.60 to 98.60): VU026969.D (-549) (-)



#22

Diisopropyl ether

Concen: 54.385 ug/l

RT: 3.57 min Scan# 746

Delta R.T. -0.00 min

Lab File: VU027065.D

Acq: 23 Sep 2018 12:06

Tgt Ion: 45 Resp: 282826

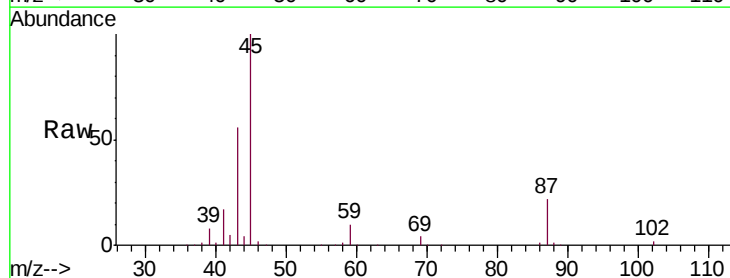
Ion Ratio Lower Upper

45 100

43 54.7 45.8 68.6

87 22.0 18.6 28.0

59 10.4 9.0 13.4

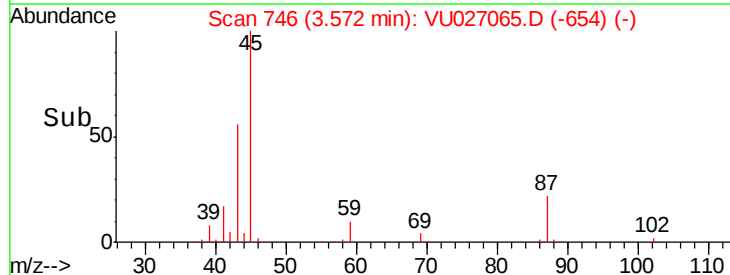
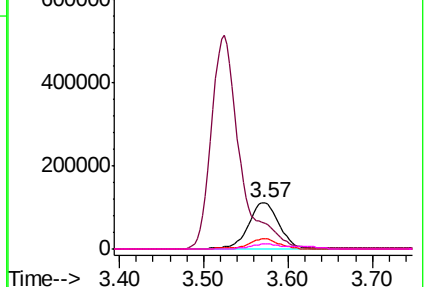


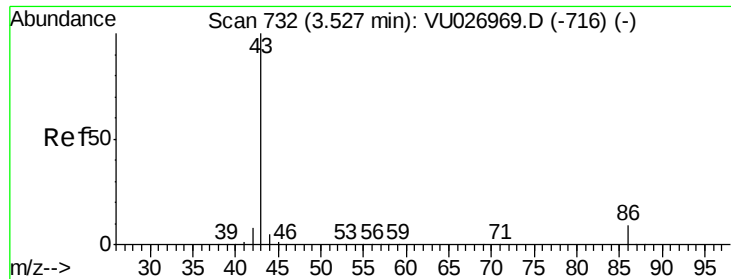
Abundance Ion 45.00 (44.70 to 45.70): VU026969.D (-720) (-)

Ion 43.00 (42.70 to 43.70): VU026969.D (-720) (-)

Ion 87.00 (86.70 to 87.70): VU026969.D (-720) (-)

Ion 59.00 (58.70 to 59.70): VU026969.D (-720) (-)





#23

Vinyl Acetate

Concen: 273.473 ug/l

RT: 3.52 min Scan# 731

Delta R.T. -0.00 min

Lab File: VU027065.D

Acq: 23 Sep 2018 12:06

Instrument :

MSVOA_U

ClientSampled :

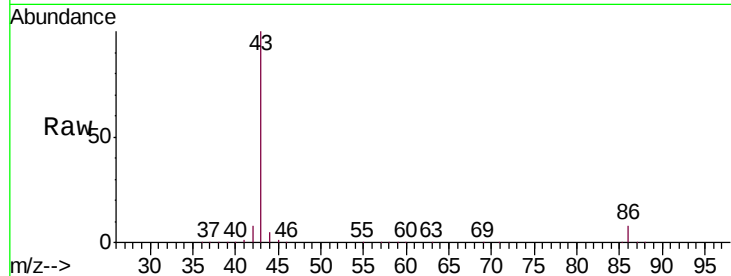
BFB

Tgt Ion: 43 Resp: 1212290

Ion Ratio Lower Upper

43 100

86 8.2 7.2 10.8



Abundance Ion 43.00 (42.70 to 43.70): VU027065.D (-639) (-)

Ion 86.00 (85.70 to 86.70): VU027065.D (-639) (-)

3.52

500000

400000

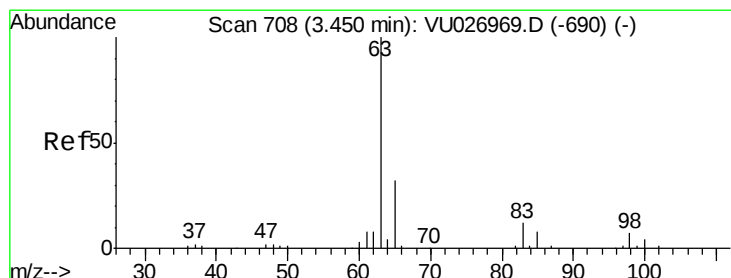
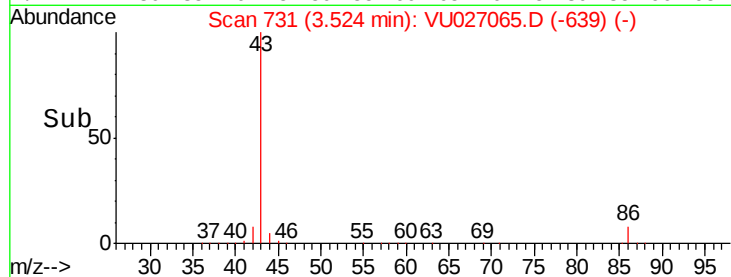
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 49.376 ug/l

RT: 3.44 min Scan# 706

Delta R.T. -0.01 min

Lab File: VU027065.D

Acq: 23 Sep 2018 12:06

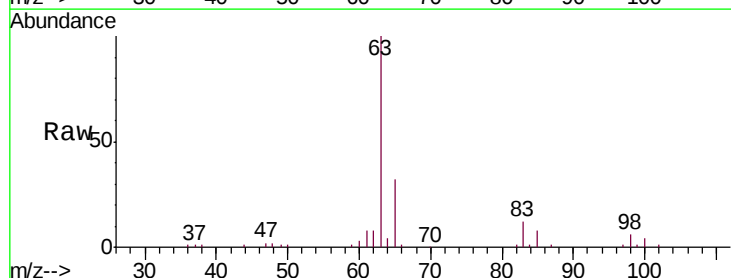
Tgt Ion: 63 Resp: 141421

Ion Ratio Lower Upper

63 100

98 5.9 3.3 9.8

100 4.0 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VU027065.D (-615) (-)

Ion 97.90 (97.60 to 98.60): VU027065.D (-615) (-)

Ion 99.90 (99.60 to 100.60): VU027065.D (-615) (-)

3.44

80000

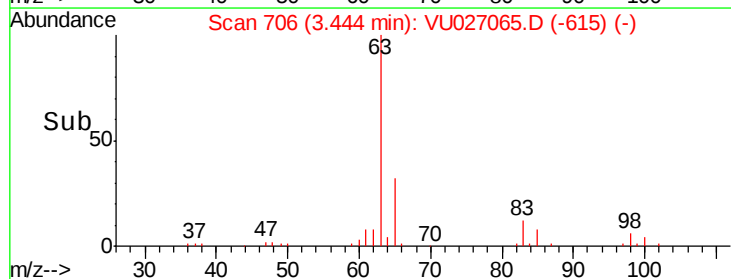
60000

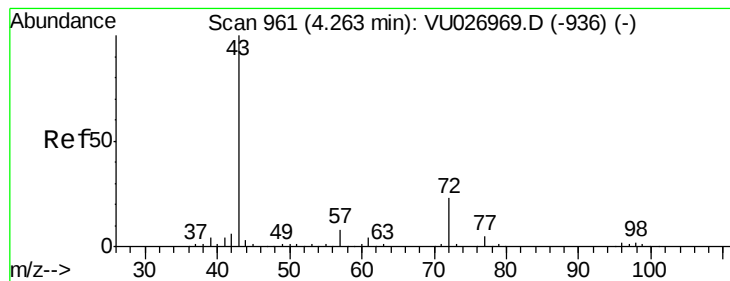
40000

20000

0

Time-->





#25

2-Butanone

Concen: 256.643 ug/l

RT: 4.26 min Scan# 960

Delta R.T. -0.00 min

Lab File: VU027065.D

Acq: 23 Sep 2018 12:06

Instrument :

MSVOA_U

ClientSampleId :

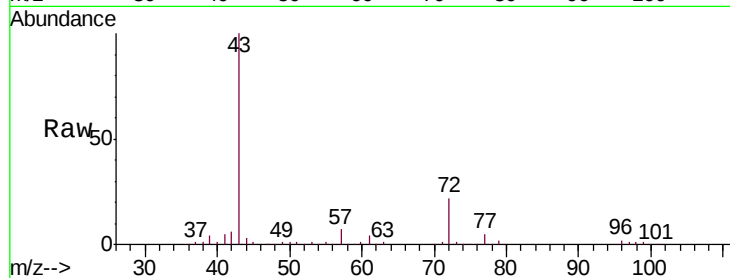
BFB

Tgt Ion: 43 Resp: 376760

Ion Ratio Lower Upper

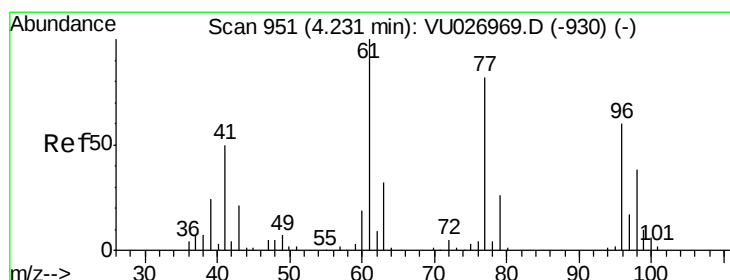
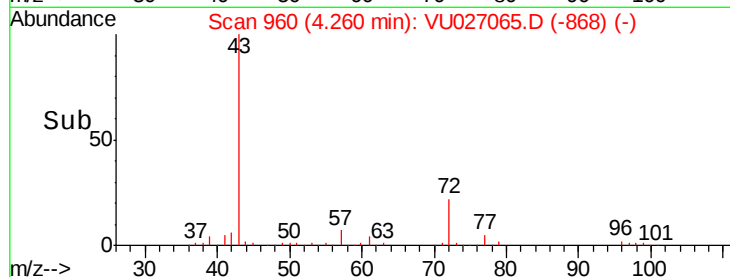
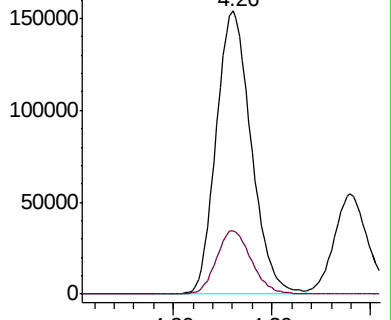
43 100

72 22.4 18.4 27.6



Abundance Ion 43.00 (42.70 to 43.70): VU026969.D (-936) (-)

Ion 72.00 (71.70 to 72.70): VU026969.D (-936) (-)



#26

2,2-Dichloropropane

Concen: 50.443 ug/l

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU027065.D

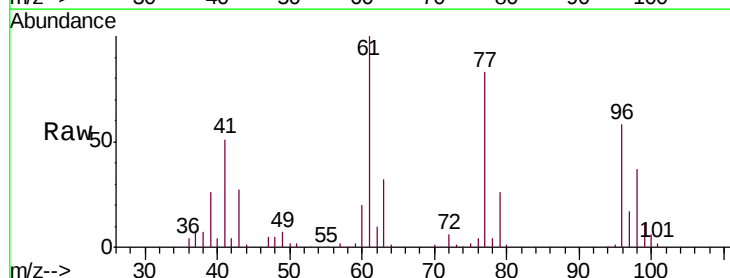
Acq: 23 Sep 2018 12:06

Tgt Ion: 77 Resp: 112675

Ion Ratio Lower Upper

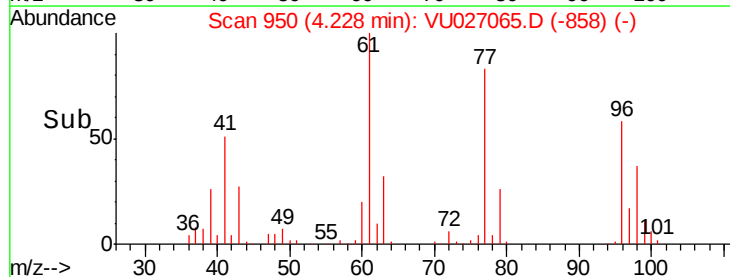
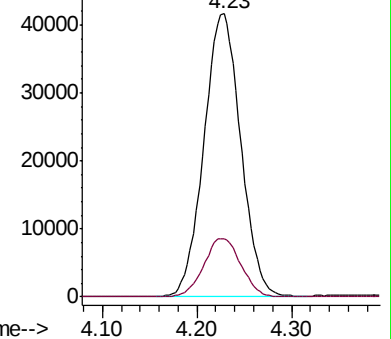
77 100

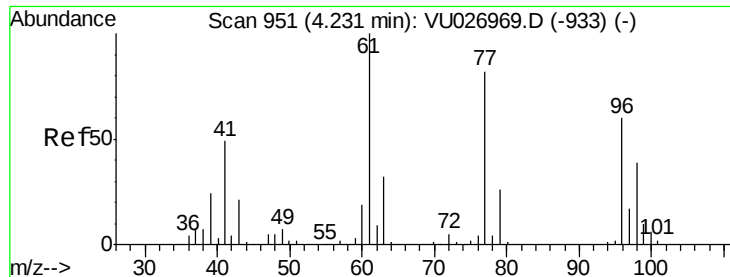
97 20.8 10.5 31.5



Abundance Ion 76.90 (76.60 to 77.60): VU026969.D (-930) (-)

Ion 96.90 (96.60 to 97.60): VU026969.D (-930) (-)



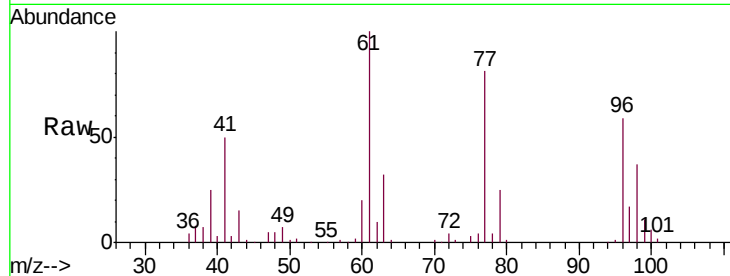


#27

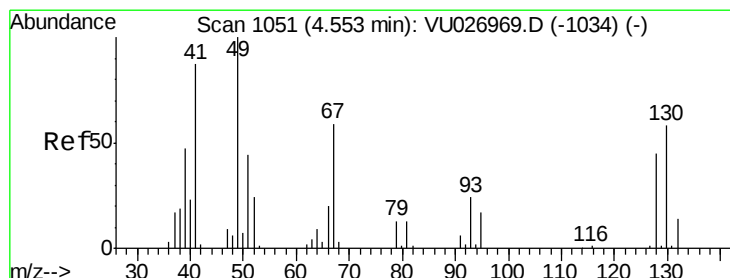
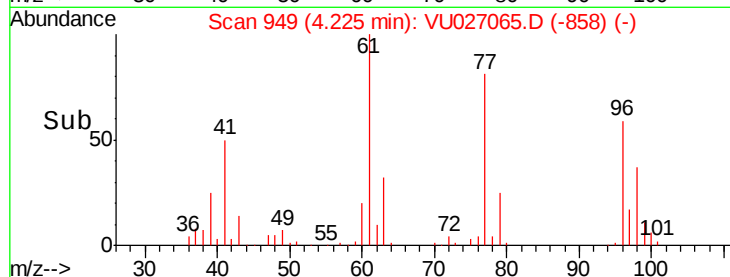
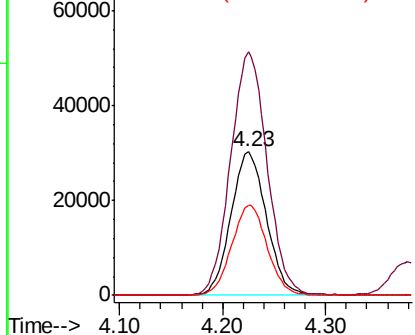
cis-1,2-Dichloroethene
Concen: 50.136 ug/l
RT: 4.23 min Scan# 949
Delta R.T. -0.01 min
Lab File: VU027065.D
Acq: 23 Sep 2018 12:06

Instrument :
MSVOA_U
ClientSampleId :
BFB

Tgt Ion: 96 Resp: 72466
Ion Ratio Lower Upper
96 100
61 174.1 0.0 337.2
98 62.7 0.0 127.6



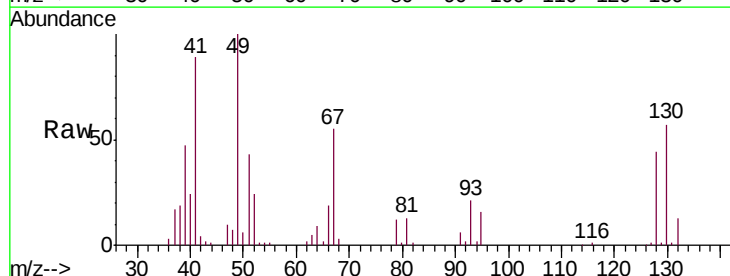
Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0



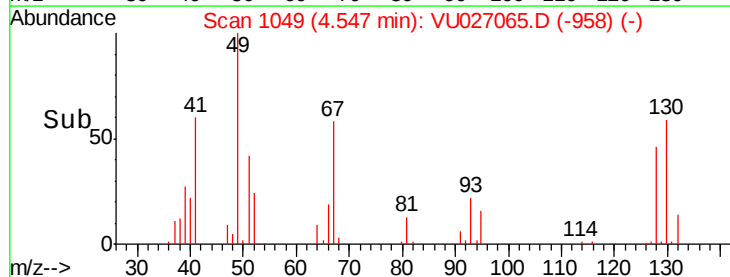
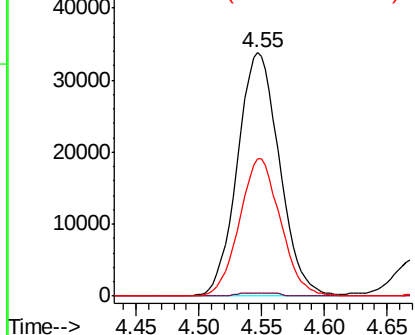
#28

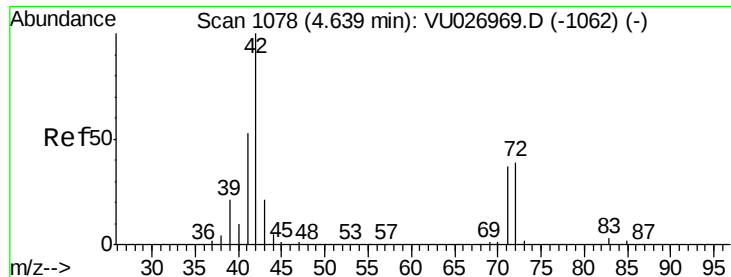
Bromochloromethane
Concen: 57.122 ug/l
RT: 4.55 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VU027065.D
Acq: 23 Sep 2018 12:06

Tgt Ion: 49 Resp: 78867
Ion Ratio Lower Upper
49 100
129 1.3 0.0 3.0
130 55.2 47.8 71.8



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: 256.758 ug/l

RT: 4.64 min Scan# 1077

Delta R.T. -0.00 min

Lab File: VU027065.D

Acq: 23 Sep 2018 12:06

Instrument :

MSVOA_U

ClientSampleId :

BFB

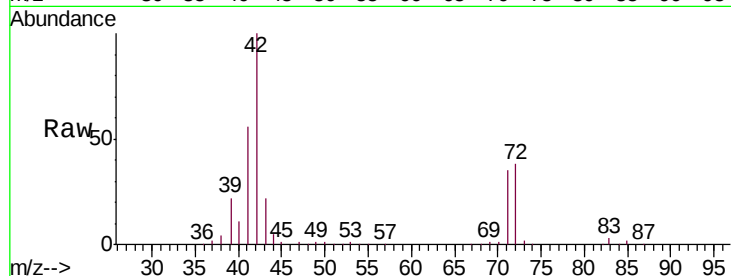
Tgt Ion: 42 Resp: 228017

Ion Ratio Lower Upper

42 100

72 37.7 31.7 47.5

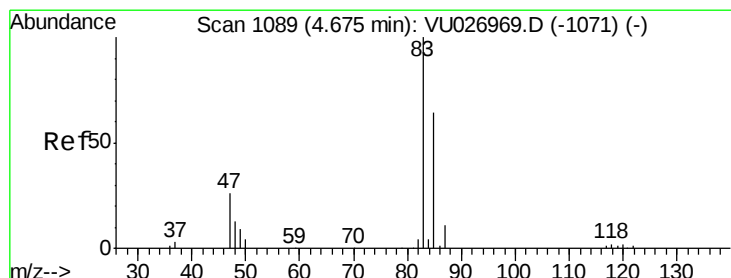
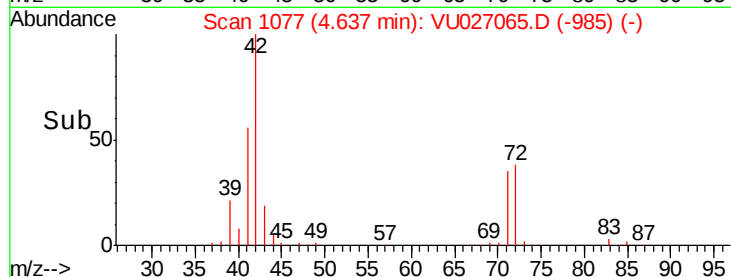
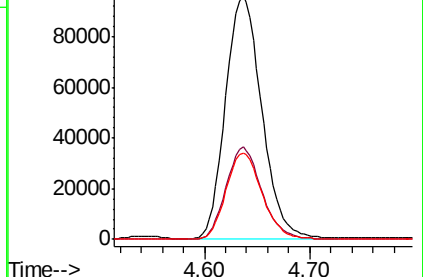
71 35.5 29.6 44.4



Abundance Ion 42.00 (41.70 to 42.70): VU026969.D (-1062) (-)

Ion 72.00 (71.70 to 72.70): VU026969.D (-1062) (-)

Ion 71.00 (70.70 to 71.70): VU026969.D (-1062) (-)



#30

Chloroform

Concen: 48.034 ug/l

RT: 4.67 min Scan# 1088

Delta R.T. -0.00 min

Lab File: VU027065.D

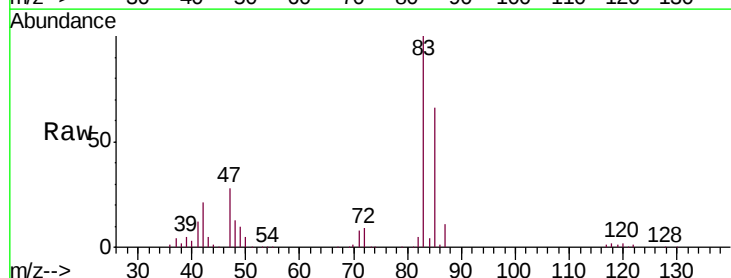
Acq: 23 Sep 2018 12:06

Tgt Ion: 83 Resp: 127706

Ion Ratio Lower Upper

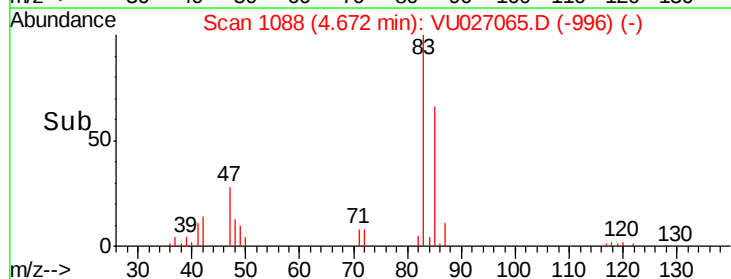
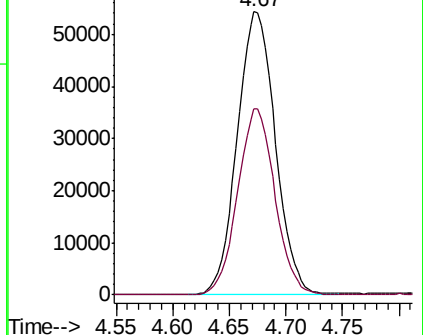
83 100

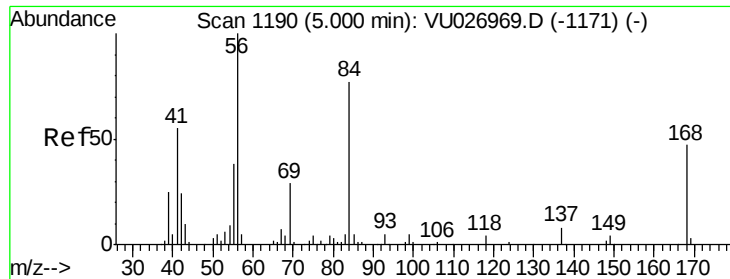
85 65.8 51.5 77.3



Abundance Ion 82.90 (82.60 to 83.60): VU026969.D (-1071) (-)

Ion 84.90 (84.60 to 85.60): VU026969.D (-1071) (-)

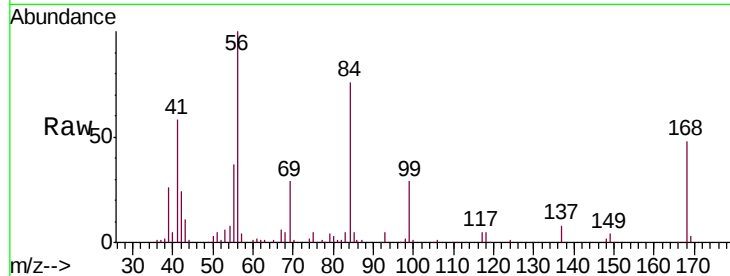




#31
Cyclohexane
Concen: 50.978 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. -0.00 min
Lab File: VU027065.D
Acq: 23 Sep 2018 12:06

Instrument :
MSVOA_U
ClientSampleId :
BFB

Tgt Ion	Ratio	Lower	Upper
56	100		
69	29.1	23.0	34.4
84	75.6	61.4	92.2

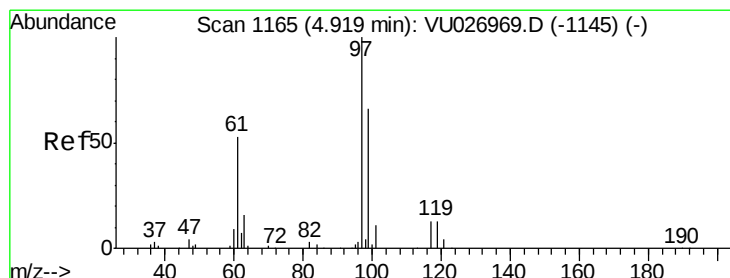
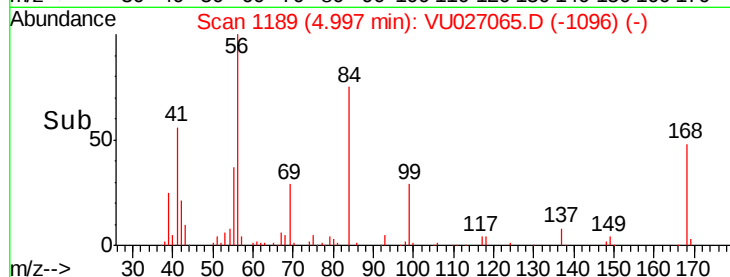
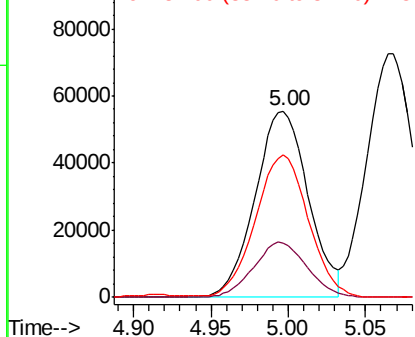


Abundance

Ion 56.00 (55.70 to 56.70): VU0

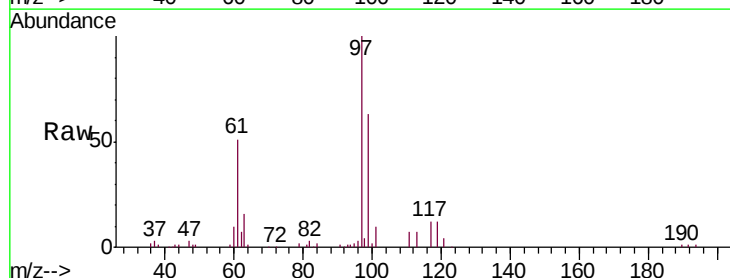
Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0



#32
1,1,1-Trichloroethane
Concen: 49.664 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. -0.00 min
Lab File: VU027065.D
Acq: 23 Sep 2018 12:06

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.8	77.6
61	51.0	41.1	61.7

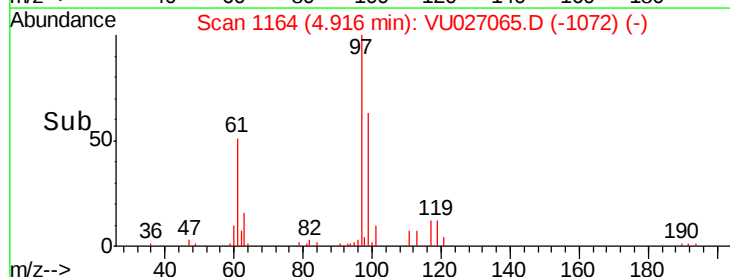
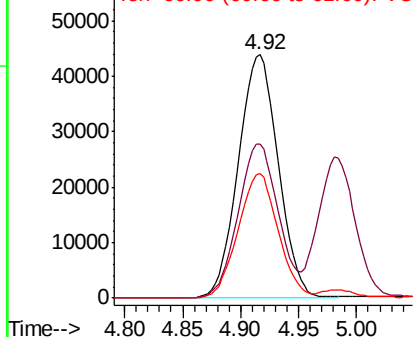


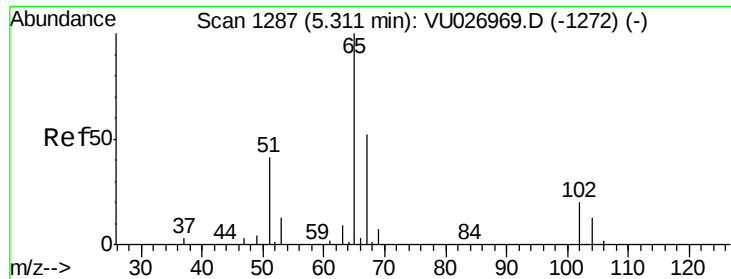
Abundance

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

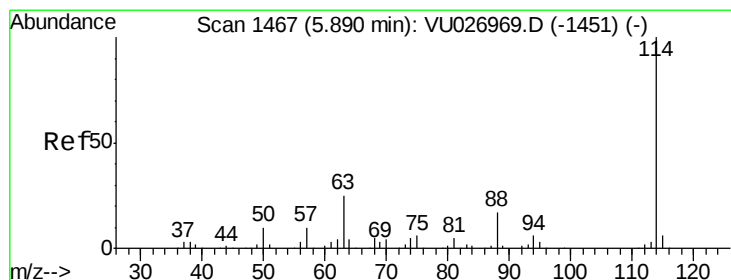
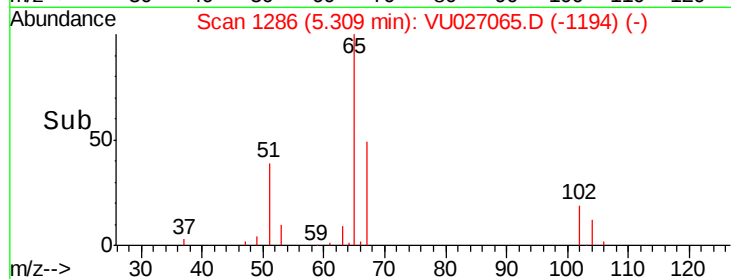
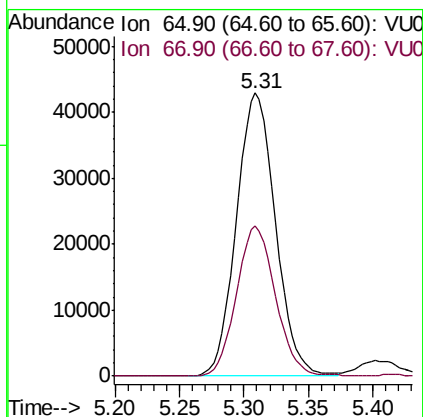
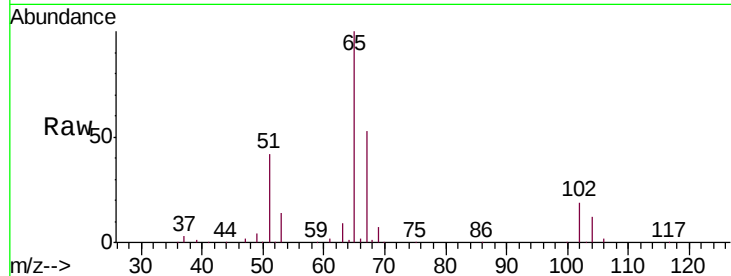




#33
 1,2-Dichloroethane-d4
 Concen: 51.889 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU027065.D
 Acq: 23 Sep 2018 12:06

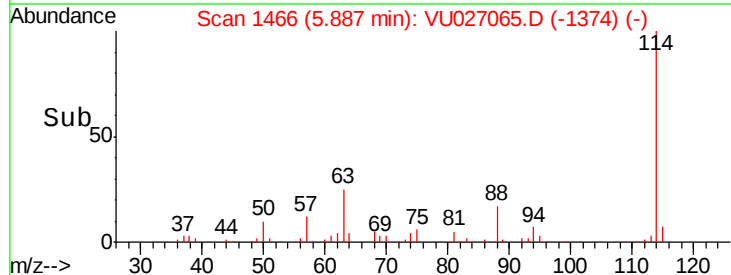
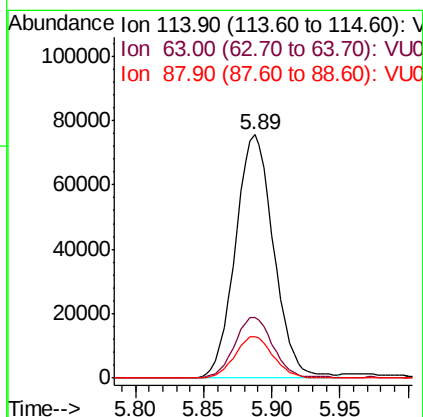
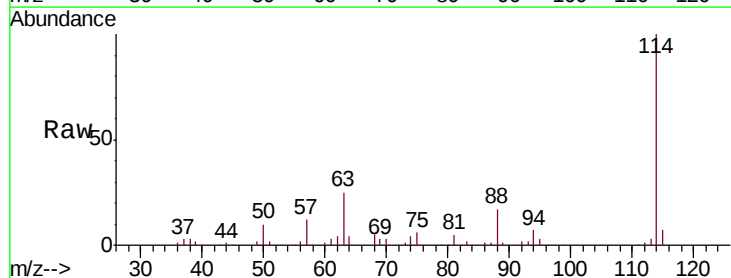
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB

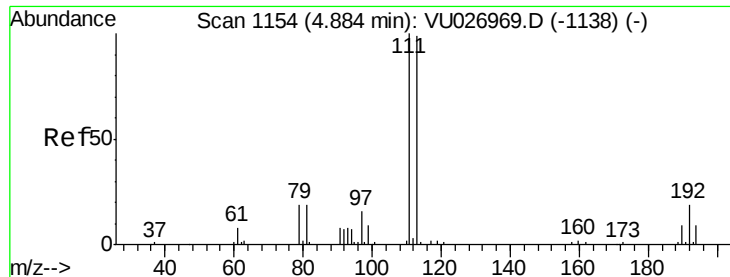
Tgt Ion: 65 Resp: 90642
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU027065.D
 Acq: 23 Sep 2018 12:06

Tgt Ion: 114 Resp: 147575
 Ion Ratio Lower Upper
 114 100
 63 25.1 0.0 49.2
 88 17.2 0.0 33.8





#35

Dibromofluoromethane

Concen: 49.608 ug/l

RT: 4.88 min Scan# 1153

Delta R.T. -0.00 min

Lab File: VU027065.D

Acq: 23 Sep 2018 12:06

Instrument :

MSVOA_U

ClientSampleId :

BFB

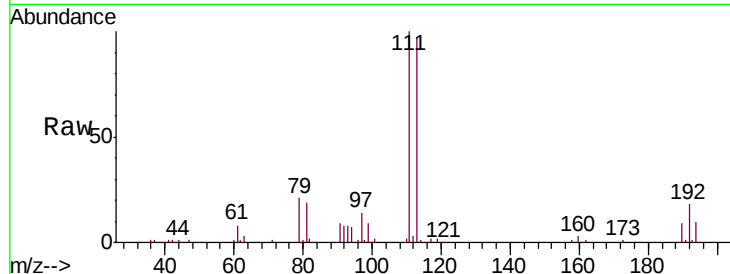
Tgt Ion:113 Resp: 63458

Ion Ratio Lower Upper

113 100

111 102.0 82.2 123.4

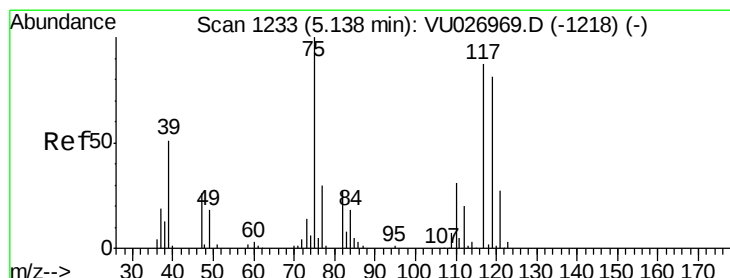
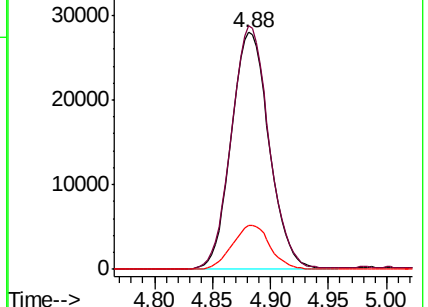
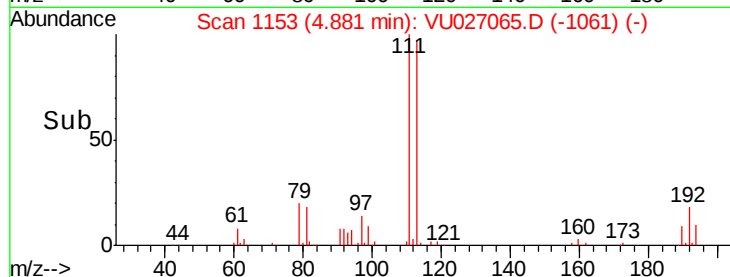
192 18.4 15.2 22.8



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: 49.686 ug/l

RT: 5.13 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU027065.D

Acq: 23 Sep 2018 12:06

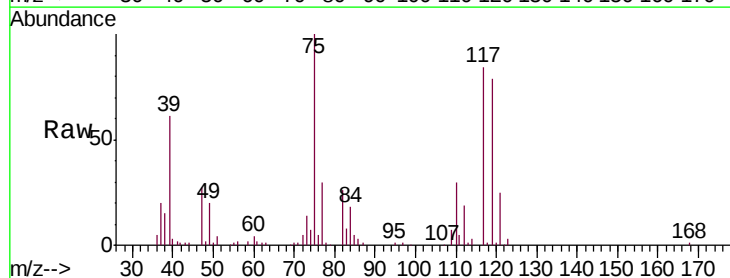
Tgt Ion: 75 Resp: 97860

Ion Ratio Lower Upper

75 100

110 30.1 16.1 48.2

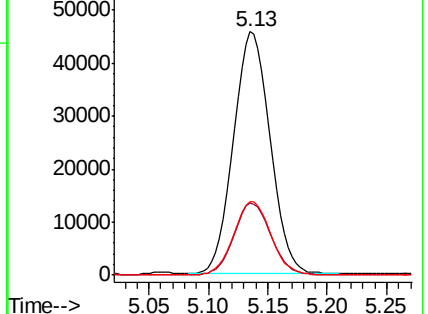
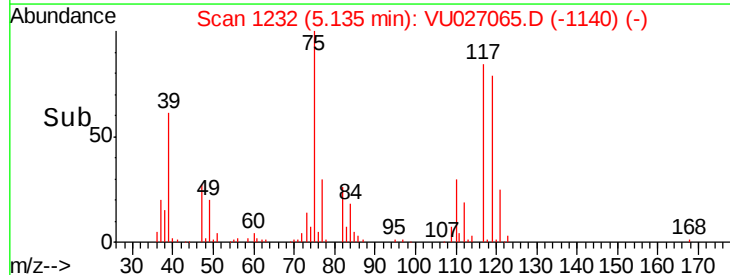
77 30.8 24.6 36.8

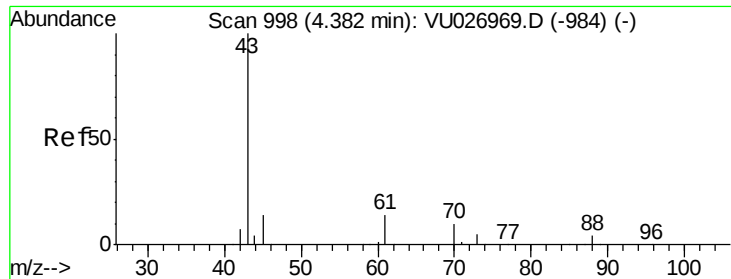


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0





#37

Ethyl Acetate

Concen: 49.200 ug/l

RT: 4.38 min Scan# 997

Delta R.T. -0.00 min

Lab File: VU027065.D

Acq: 23 Sep 2018 12:06

Instrument :

MSVOA_U

ClientSampleId :

BFB

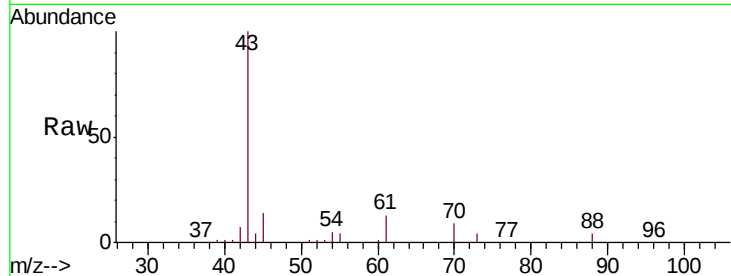
Tgt Ion: 43 Resp: 131180

Ion Ratio Lower Upper

43 100

61 12.9 10.5 15.7

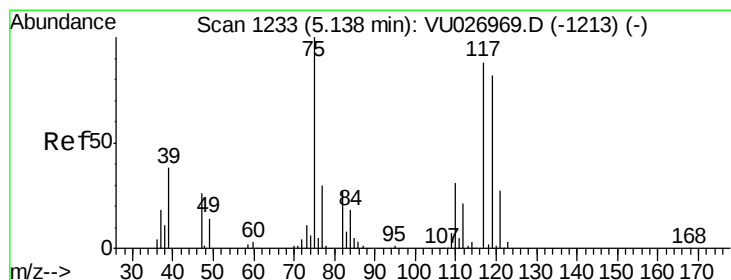
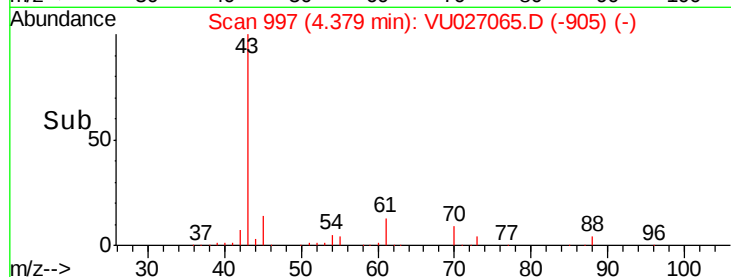
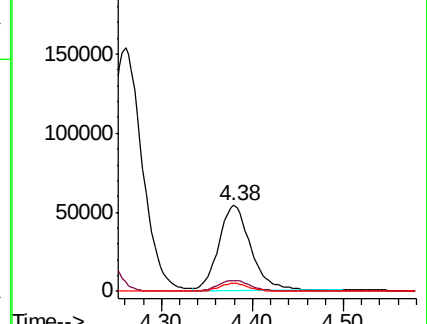
70 8.7 7.4 11.0



Abundance Ion 43.00 (42.70 to 43.70): VU026969.D (-984) (-)

Ion 60.90 (60.60 to 61.60): VU026969.D (-984) (-)

Ion 70.00 (69.70 to 70.70): VU026969.D (-984) (-)



#38

Carbon Tetrachloride

Concen: 47.911 ug/l

RT: 5.13 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU027065.D

Acq: 23 Sep 2018 12:06

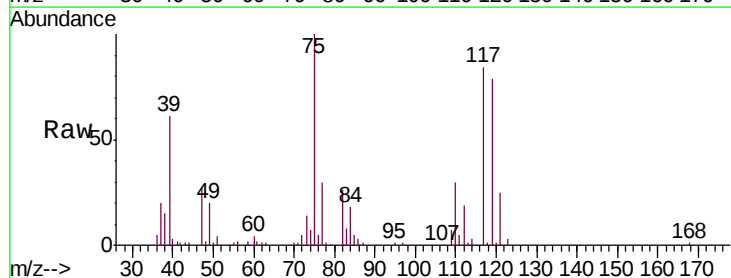
Tgt Ion: 117 Resp: 89800

Ion Ratio Lower Upper

117 100

119 95.0 74.4 111.6

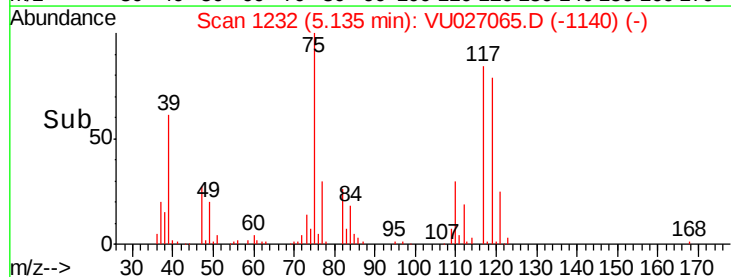
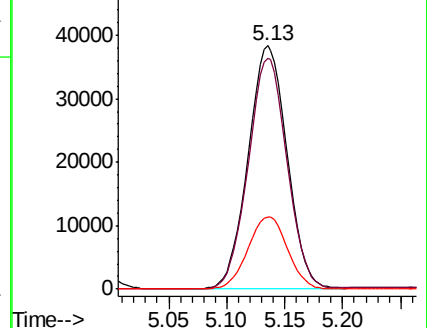
121 29.5 24.2 36.4

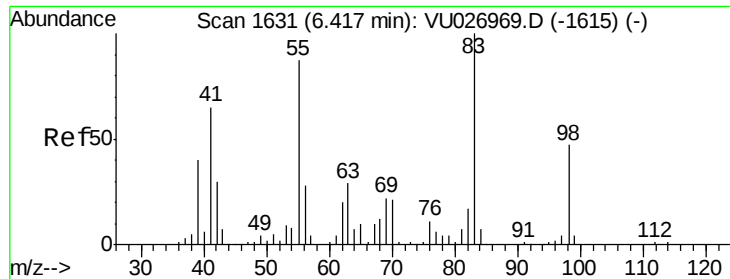


Abundance Ion 116.80 (116.50 to 117.50): VU026969.D (-1213) (-)

Ion 118.80 (118.50 to 119.50): VU026969.D (-1213) (-)

Ion 120.80 (120.50 to 121.50): VU026969.D (-1213) (-)

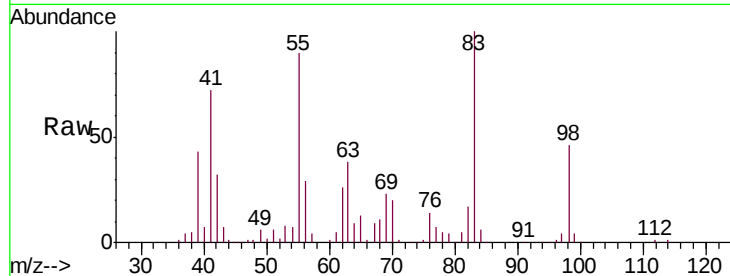




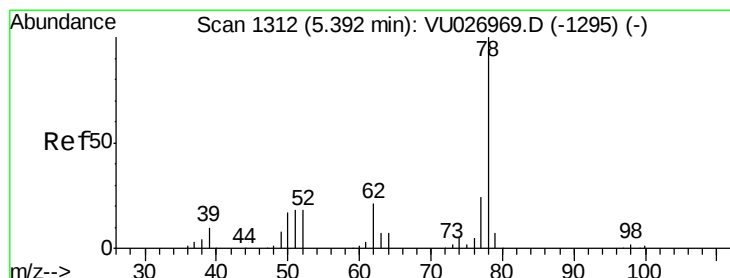
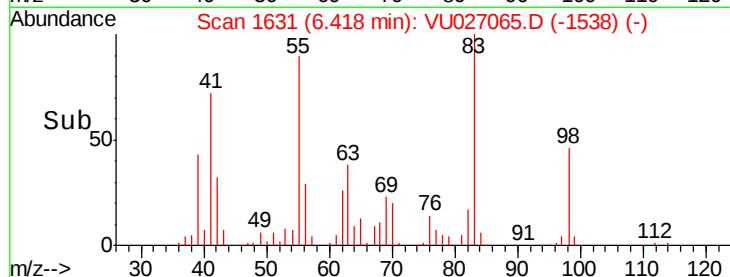
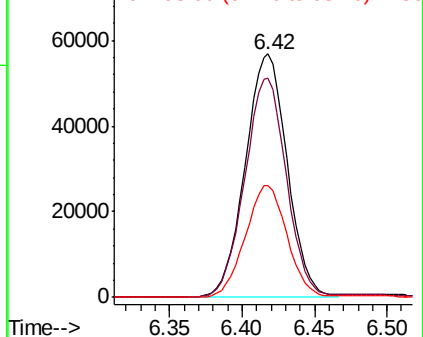
#39
Methylcyclohexane
Concen: 53.547 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU027065.D
Acq: 23 Sep 2018 12:06

Instrument :
MSVOA_U
ClientSampleId :
BFB

Tgt Ion: 83 Resp: 114610
Ion Ratio Lower Upper
83 100
55 90.2 69.9 104.9
98 46.1 37.5 56.3

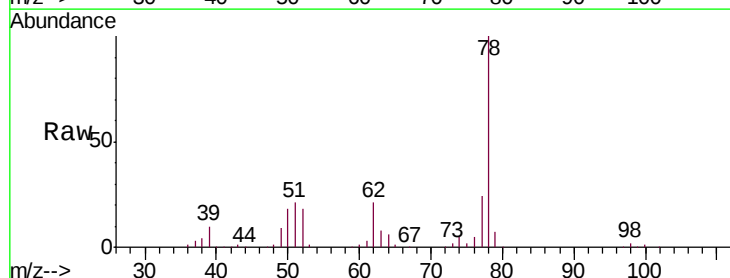


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

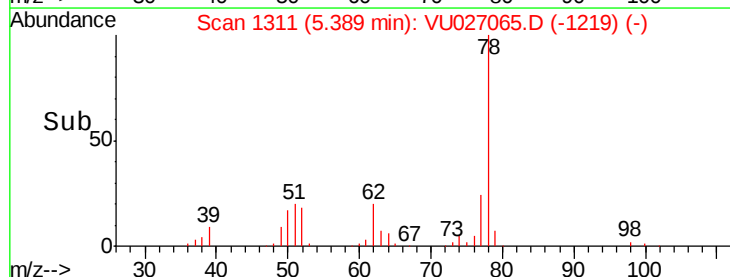
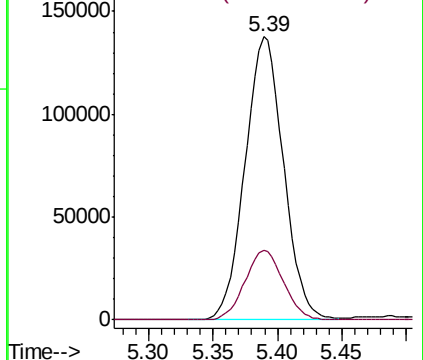


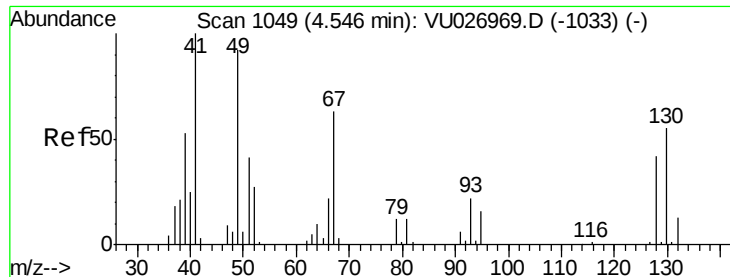
#40
Benzene
Concen: 47.845 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. -0.00 min
Lab File: VU027065.D
Acq: 23 Sep 2018 12:06

Tgt Ion: 78 Resp: 286465
Ion Ratio Lower Upper
78 100
77 24.5 19.4 29.0



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

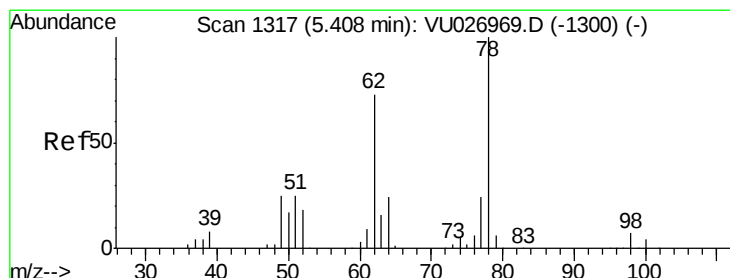
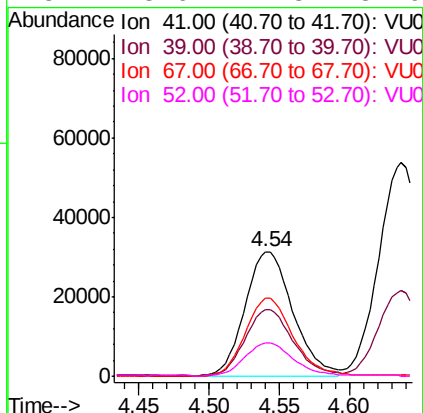
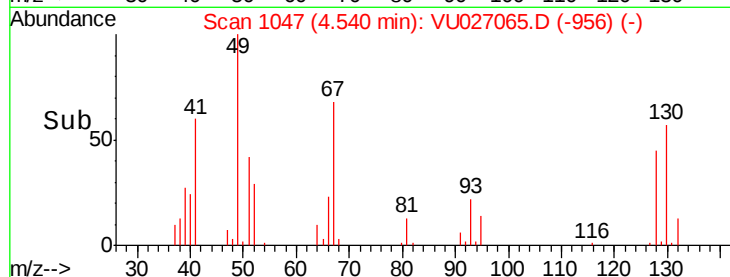
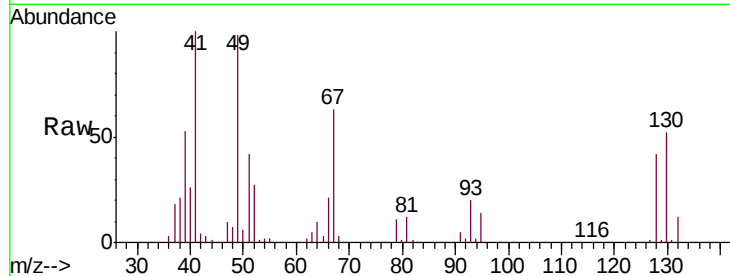




#41
Methacrylonitrile
Concen: 53.384 ug/l
RT: 4.54 min Scan# 1047
Delta R.T. -0.01 min
Lab File: VU027065.D
Acq: 23 Sep 2018 12:06

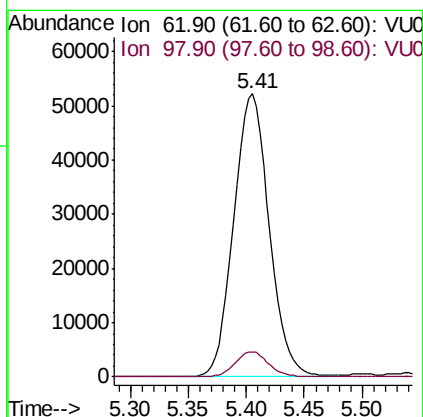
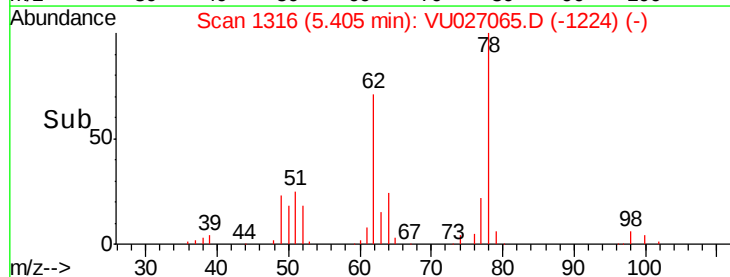
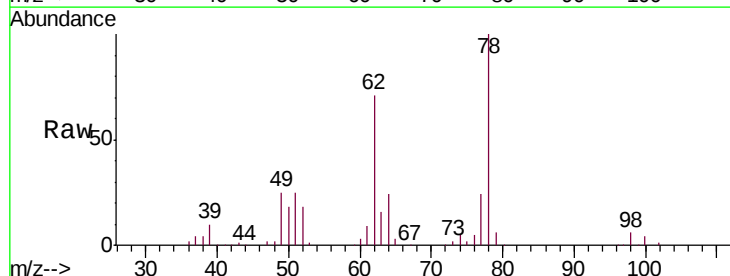
Instrument :
MSVOA_U
ClientSampled :
BFB

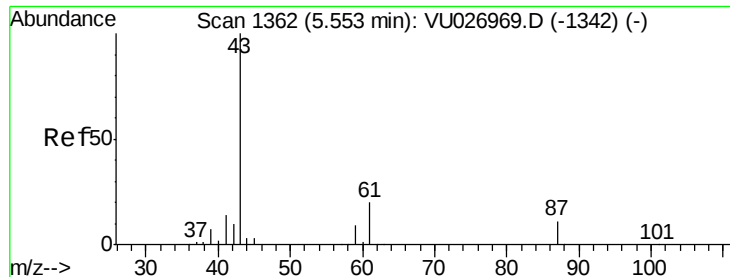
Tgt Ion: 41 Resp: 73921
Ion Ratio Lower Upper
41 100
39 53.4 42.9 64.3
67 63.3 52.4 78.6
52 28.6 21.3 31.9



#42
1,2-Dichloroethane
Concen: 49.063 ug/l
RT: 5.41 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VU027065.D
Acq: 23 Sep 2018 12:06

Tgt Ion: 62 Resp: 110988
Ion Ratio Lower Upper
62 100
98 8.4 0.0 17.0

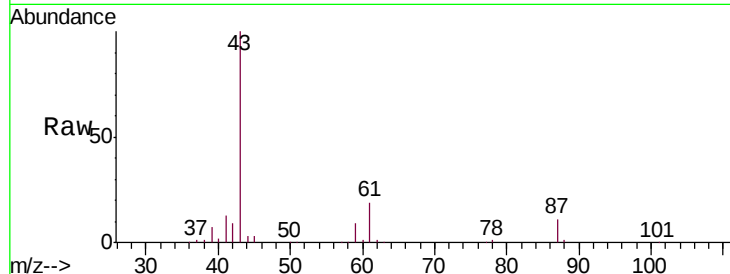




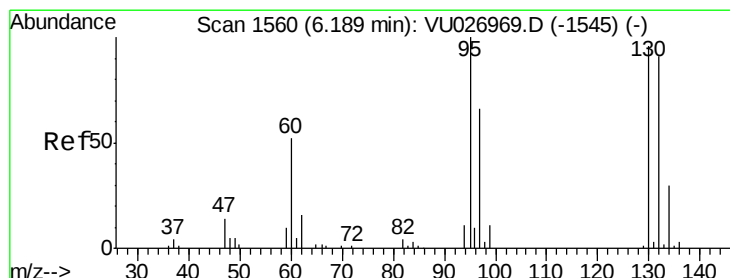
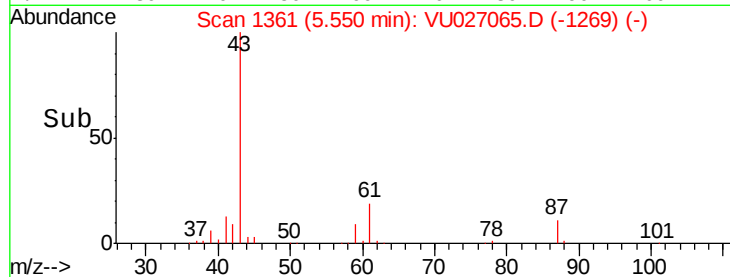
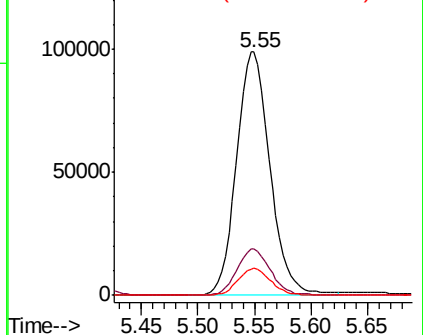
#43
Isopropyl Acetate
Concen: 52.318 ug/l
RT: 5.55 min Scan# 1361
Delta R.T. -0.00 min
Lab File: VU027065.D
Acq: 23 Sep 2018 12:06

Instrument :
MSVOA_U
ClientSampled :
BFB

Tgt Ion: 43 Resp: 203433
Ion Ratio Lower Upper
43 100
61 19.1 15.7 23.5
87 10.9 9.0 13.4

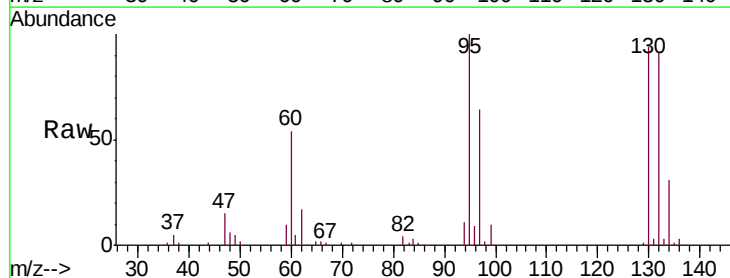


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 87.00 (86.70 to 87.70): VU0

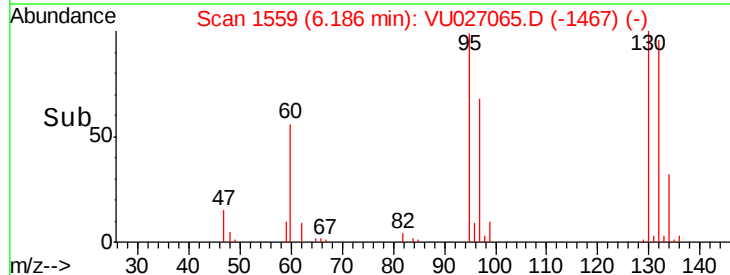
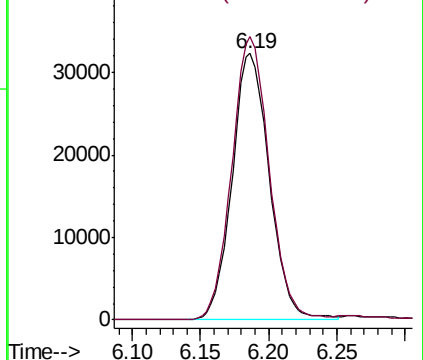


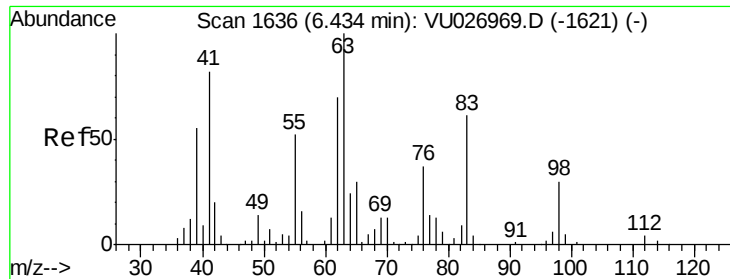
#44
Trichloroethene
Concen: 48.150 ug/l
RT: 6.19 min Scan# 1559
Delta R.T. -0.00 min
Lab File: VU027065.D
Acq: 23 Sep 2018 12:06

Tgt Ion: 130 Resp: 61375
Ion Ratio Lower Upper
130 100
95 106.2 0.0 208.8



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: 50.357 ug/l

RT: 6.43 min Scan# 1636

Delta R.T. 0.00 min

Lab File: VU027065.D

Acq: 23 Sep 2018 12:06

Instrument :

MSVOA_U

ClientSampled :

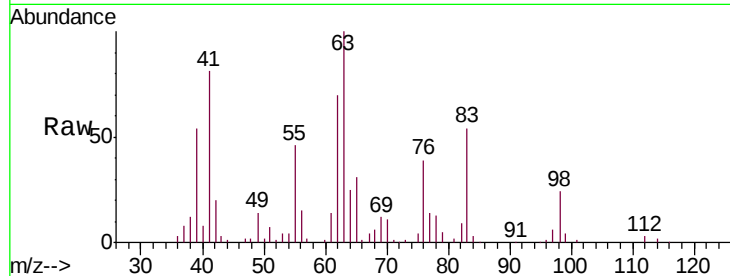
BFB

Tgt Ion: 63 Resp: 85910

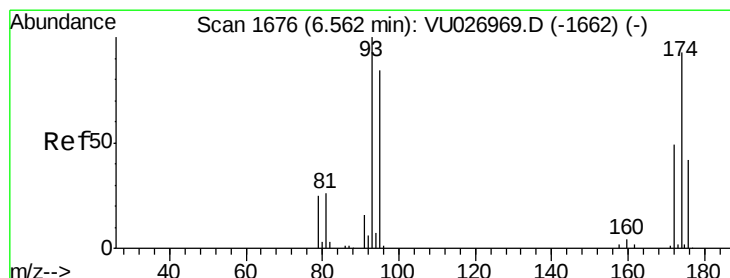
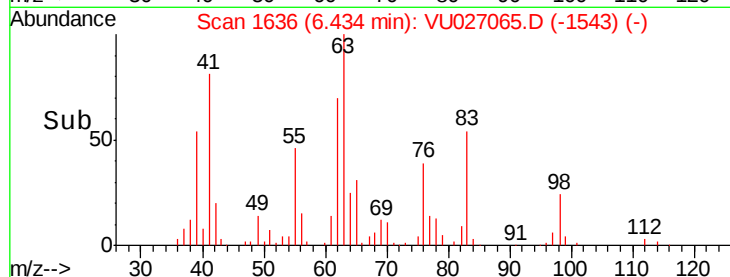
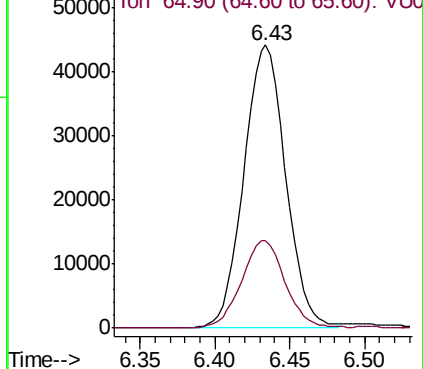
Ion Ratio Lower Upper

63 100

65 30.9 24.3 36.5



Abundance Ion 62.90 (62.60 to 63.60): VU027065.D (-1543) (-)



#46

Dibromomethane

Concen: 48.406 ug/l

RT: 6.56 min Scan# 1675

Delta R.T. -0.00 min

Lab File: VU027065.D

Acq: 23 Sep 2018 12:06

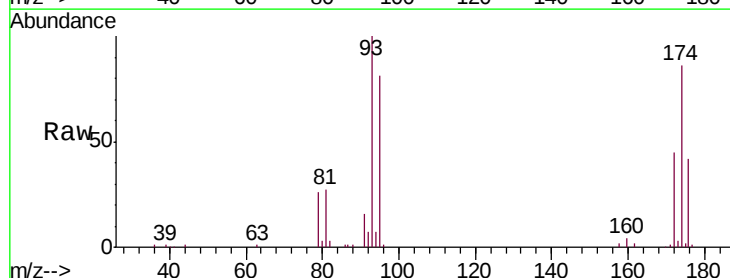
Tgt Ion: 93 Resp: 49875

Ion Ratio Lower Upper

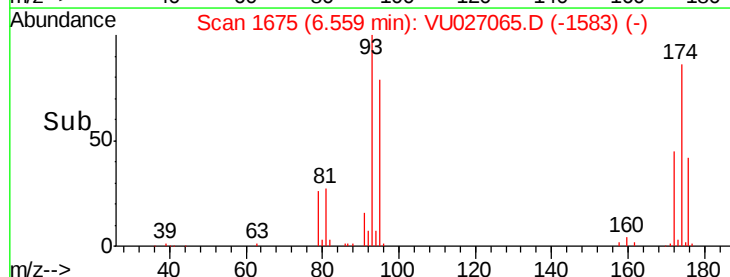
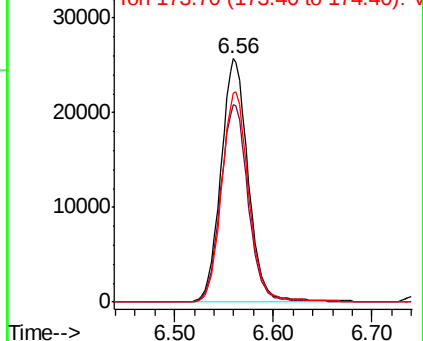
93 100

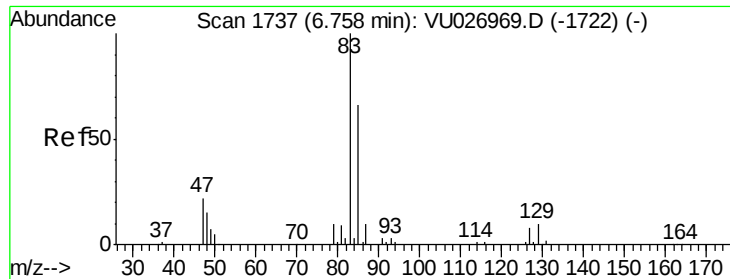
95 81.6 66.2 99.4

174 86.0 71.7 107.5



Abundance Ion 92.80 (92.50 to 93.50): VU027065.D (-1583) (-)

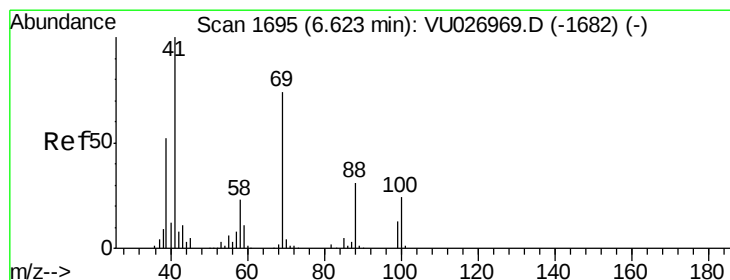
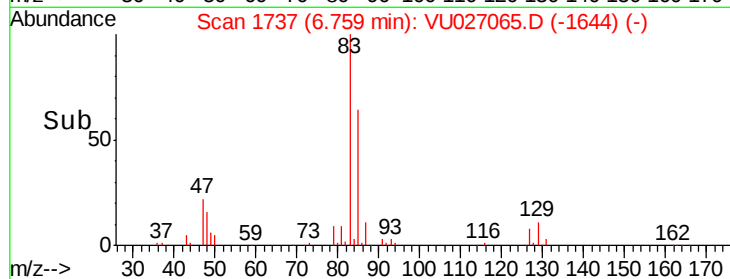
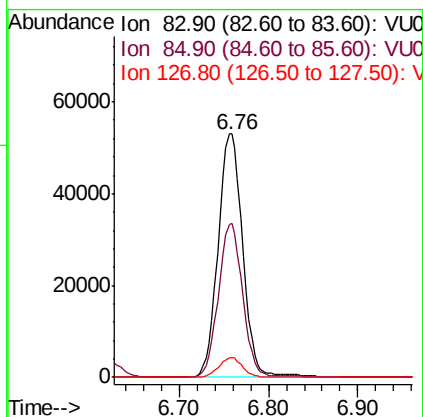
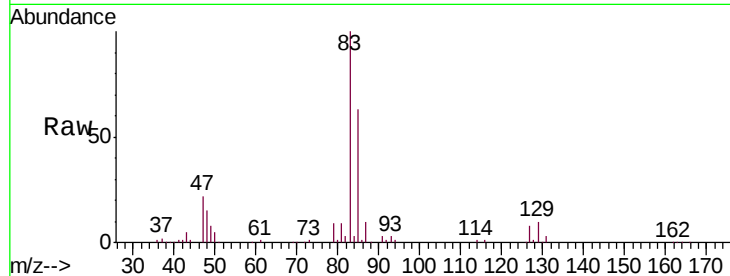




#47
 Bromodichloromethane
 Concen: 48.582 ug/l
 RT: 6.76 min Scan# 1737
 Delta R.T. 0.00 min
 Lab File: VU027065.D
 Acq: 23 Sep 2018 12:06

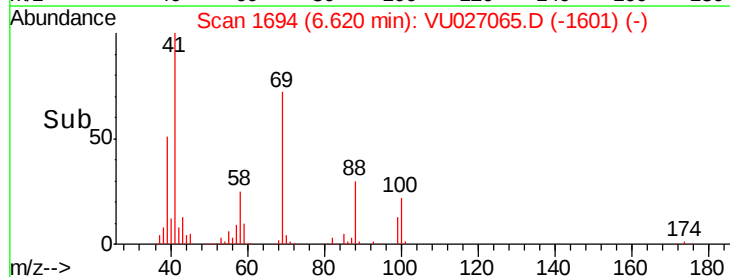
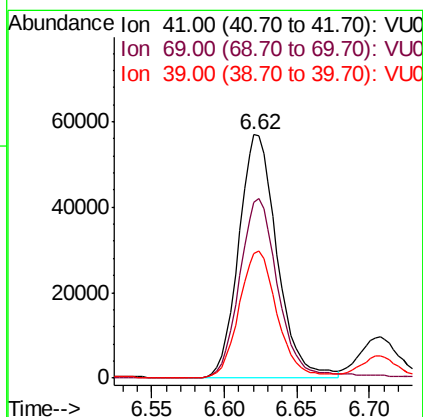
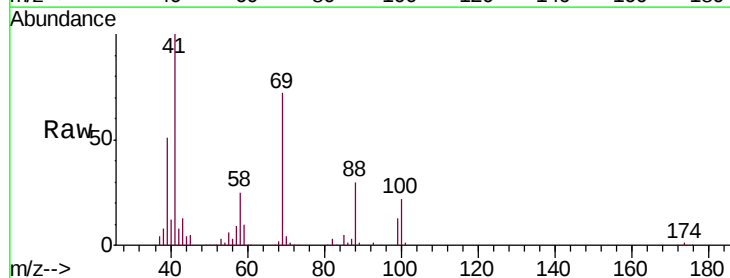
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB

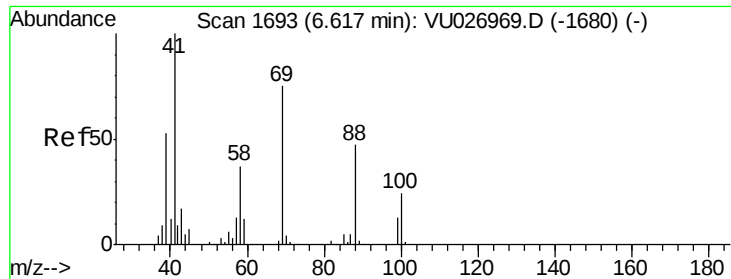
Tgt Ion: 83 Resp: 101216
 Ion Ratio Lower Upper
 83 100
 85 63.1 52.5 78.7
 127 8.3 6.3 9.5



#48
 Methyl methacrylate
 Concen: 49.262 ug/l
 RT: 6.62 min Scan# 1694
 Delta R.T. -0.00 min
 Lab File: VU027065.D
 Acq: 23 Sep 2018 12:06

Tgt Ion: 41 Resp: 104225
 Ion Ratio Lower Upper
 41 100
 69 75.9 60.6 90.8
 39 52.3 42.8 64.2

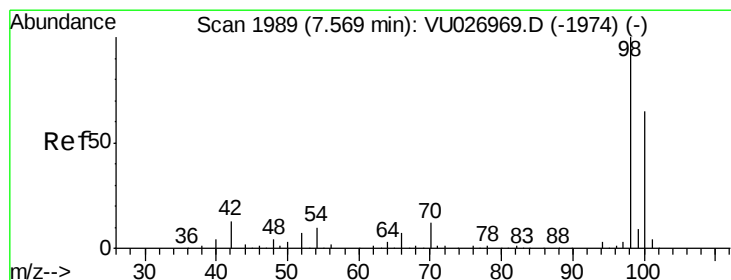
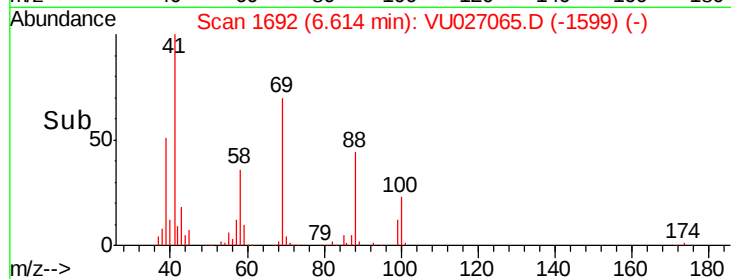
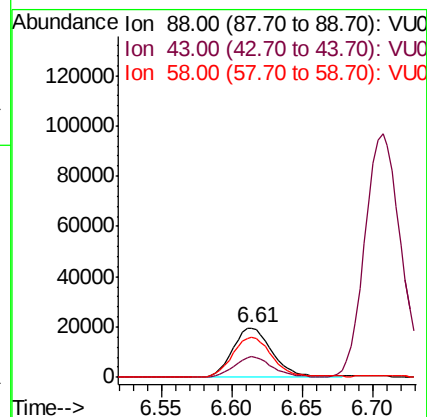
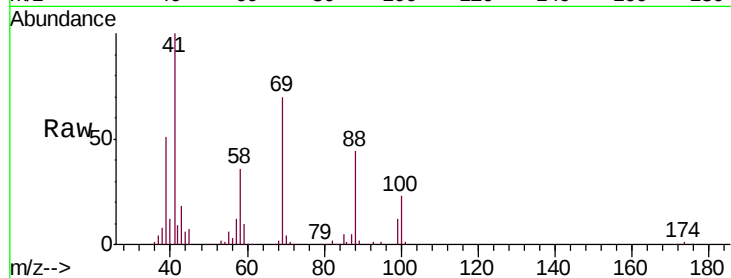




#49
1,4-Dioxane
Concen: 926.317 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VU027065.D
Acq: 23 Sep 2018 12:06

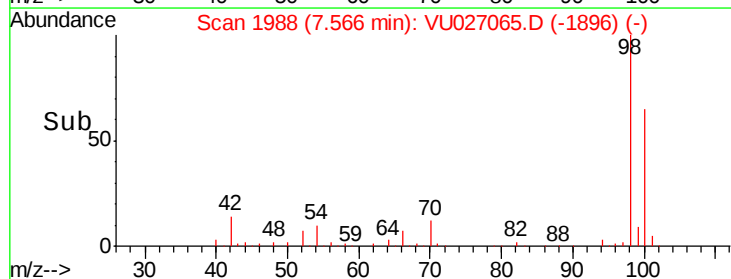
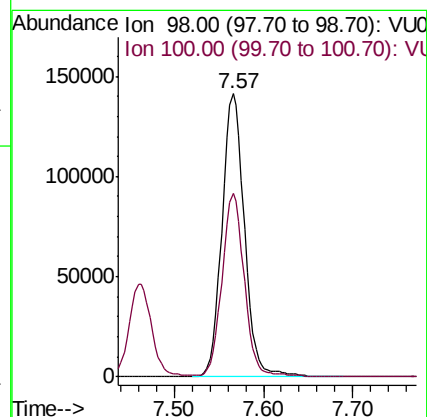
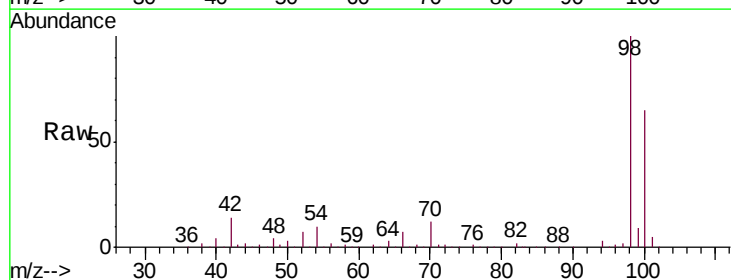
Instrument :
MSVOA_U
ClientSampleId :
BFB

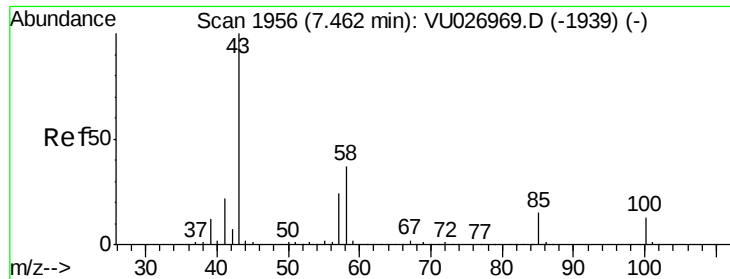
Tgt Ion: 88 Resp: 38939
Ion Ratio Lower Upper
88 100
43 40.3 29.8 44.8
58 81.4 63.9 95.9



#50
Toluene-d8
Concen: 50.616 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU027065.D
Acq: 23 Sep 2018 12:06

Tgt Ion: 98 Resp: 246753
Ion Ratio Lower Upper
98 100
100 64.9 52.1 78.1

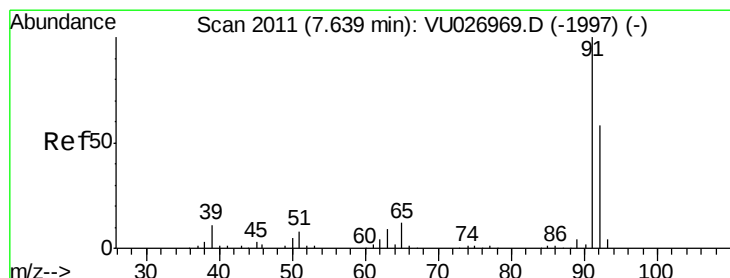
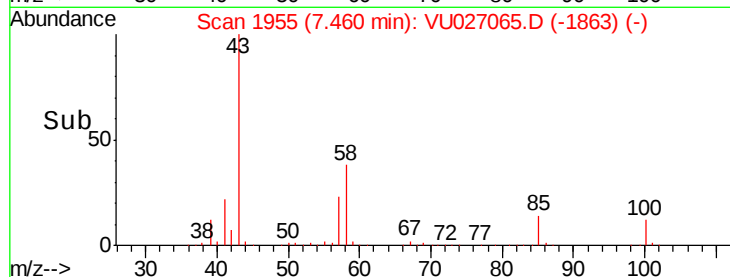
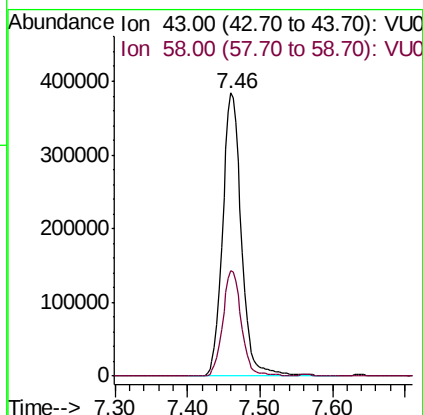
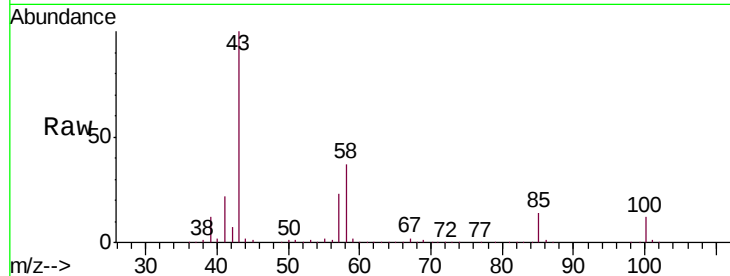




#51
4-Methyl-2-Pentanone
Concen: 263.478 ug/l
RT: 7.46 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VU027065.D
Acq: 23 Sep 2018 12:06

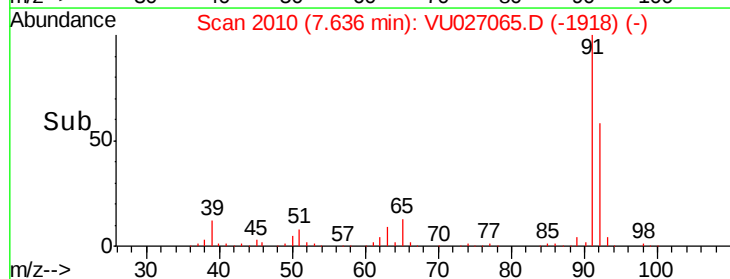
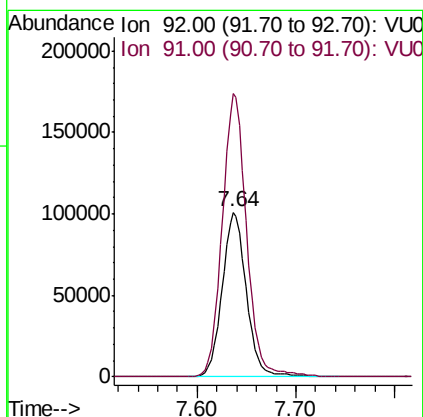
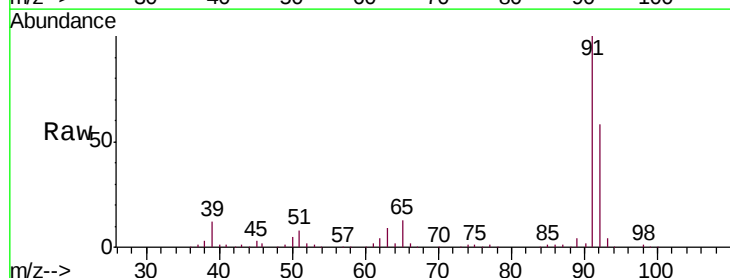
Instrument :
MSVOA_U
ClientSampleId :
BFB

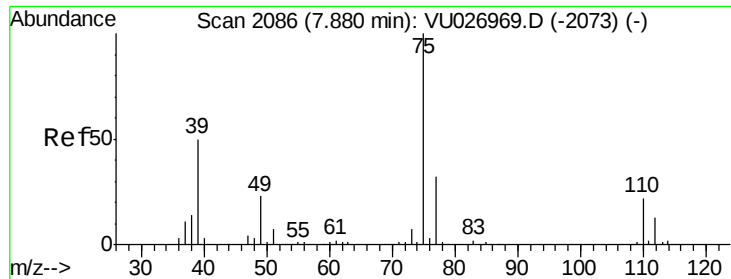
Tgt Ion: 43 Resp: 689046
Ion Ratio Lower Upper
43 100
58 36.9 29.8 44.6



#52
Toluene
Concen: 50.770 ug/l
RT: 7.64 min Scan# 2010
Delta R.T. -0.00 min
Lab File: VU027065.D
Acq: 23 Sep 2018 12:06

Tgt Ion: 92 Resp: 174243
Ion Ratio Lower Upper
92 100
91 173.7 136.4 204.6

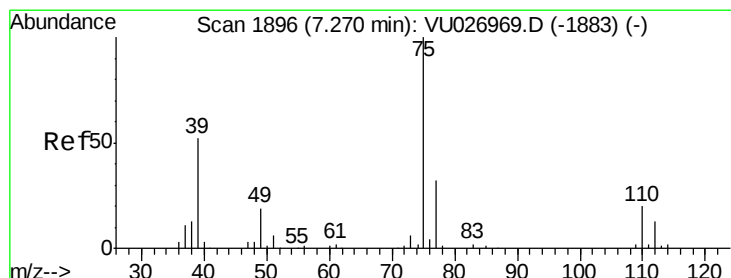
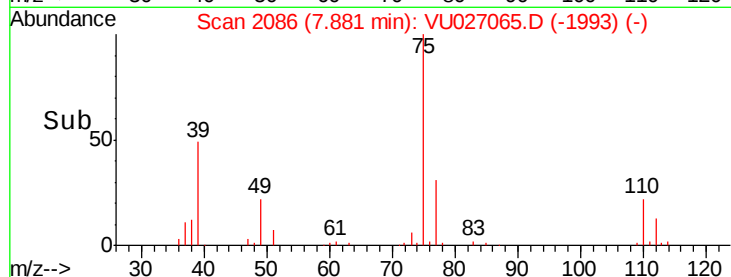
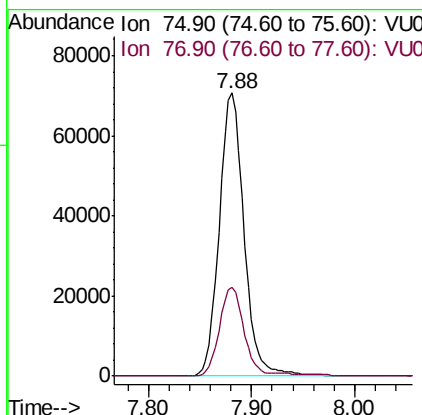
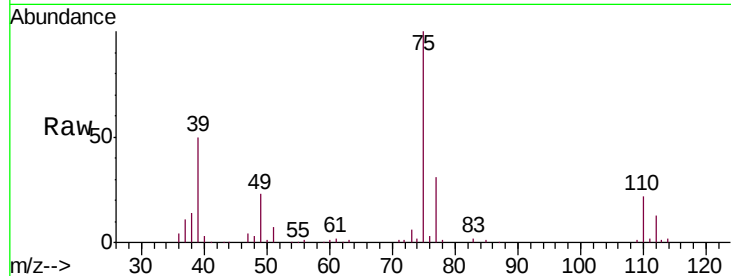




#53
t-1,3-Dichloropropene
Concen: 52.807 ug/l
RT: 7.88 min Scan# 2086
Delta R.T. 0.00 min
Lab File: VU027065.D
Acq: 23 Sep 2018 12:06

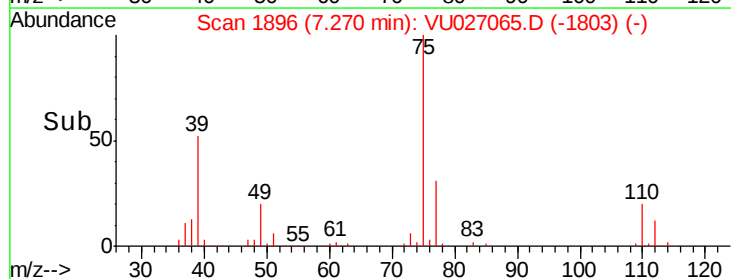
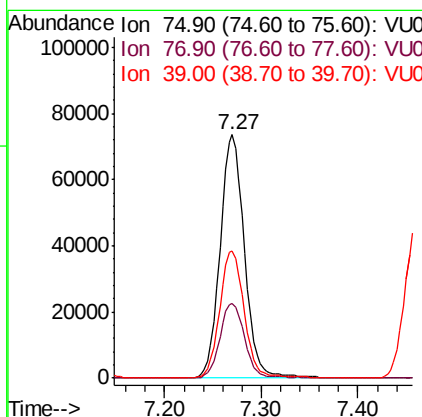
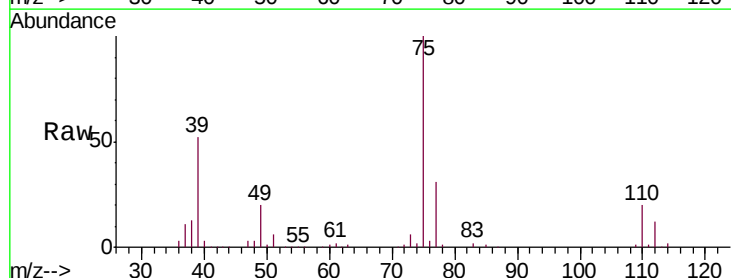
Instrument :
MSVOA_U
ClientSampleId :
BFB

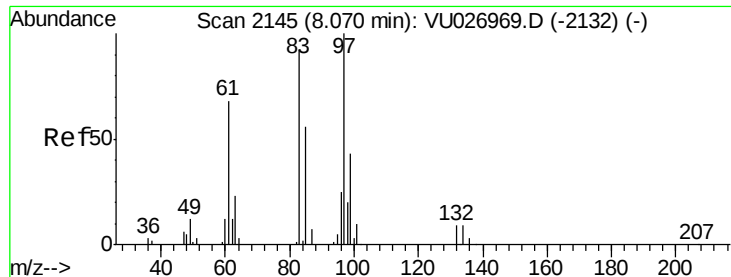
Tgt Ion: 75 Resp: 118207
Ion Ratio Lower Upper
75 100
77 31.2 25.3 37.9



#54
cis-1,3-Dichloropropene
Concen: 52.313 ug/l
RT: 7.27 min Scan# 1896
Delta R.T. 0.00 min
Lab File: VU027065.D
Acq: 23 Sep 2018 12:06

Tgt Ion: 75 Resp: 128754
Ion Ratio Lower Upper
75 100
77 30.7 25.4 38.0
39 52.2 41.6 62.4

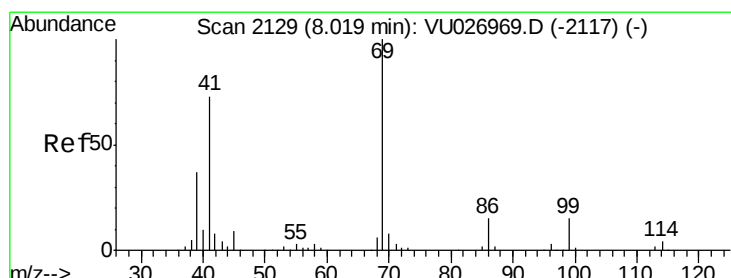
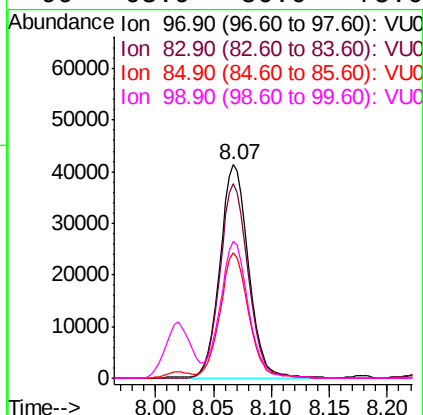
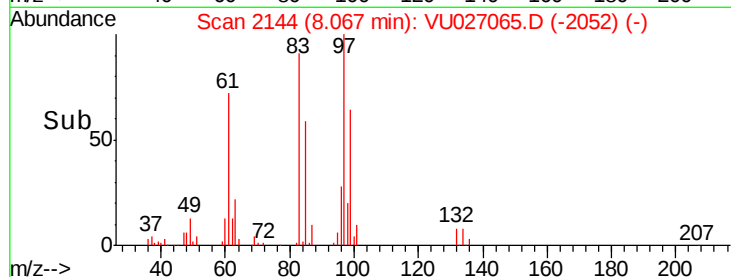
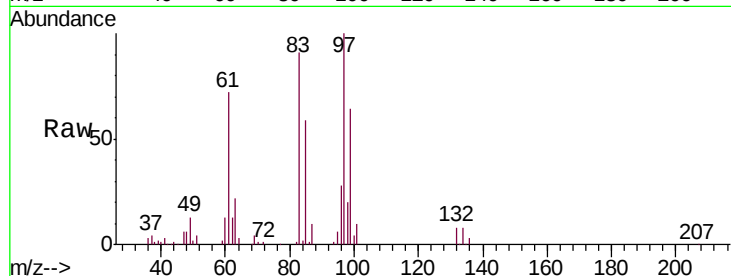




#55
 1,1,2-Trichloroethane
 Concen: 48.841 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. -0.00 min
 Lab File: VU027065.D
 Acq: 23 Sep 2018 12:06

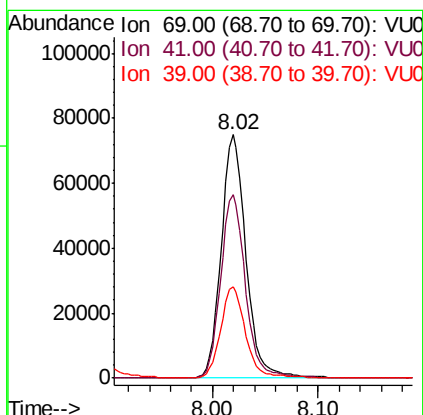
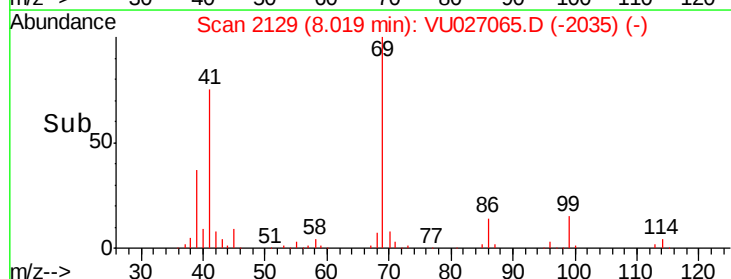
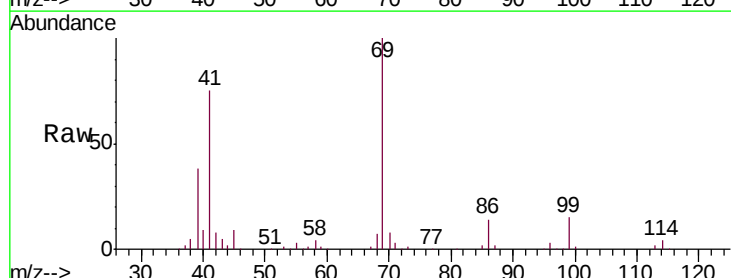
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB

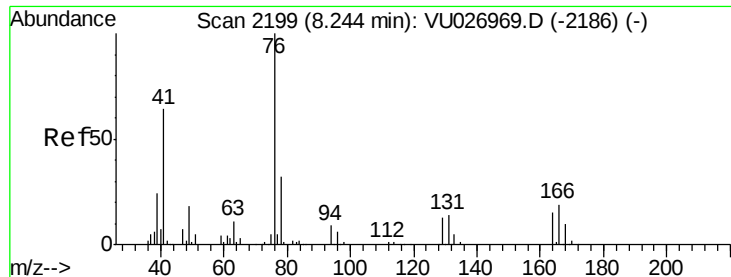
Tgt Ion: 97 Resp: 71026
 Ion Ratio Lower Upper
 97 100
 83 90.8 73.1 109.7
 85 58.9 46.7 70.1
 99 63.9 50.0 75.0



#56
 Ethyl methacrylate
 Concen: 48.272 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU027065.D
 Acq: 23 Sep 2018 12:06

Tgt Ion: 69 Resp: 121600
 Ion Ratio Lower Upper
 69 100
 41 75.7 59.0 88.4
 39 37.3 30.2 45.4

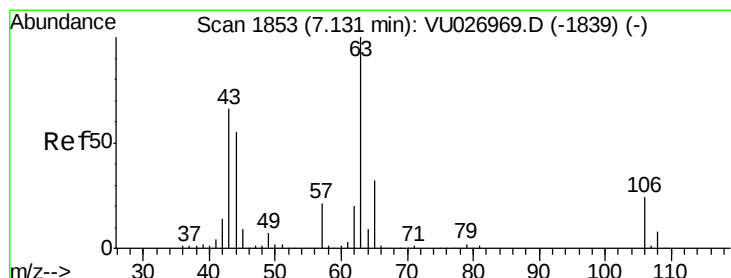
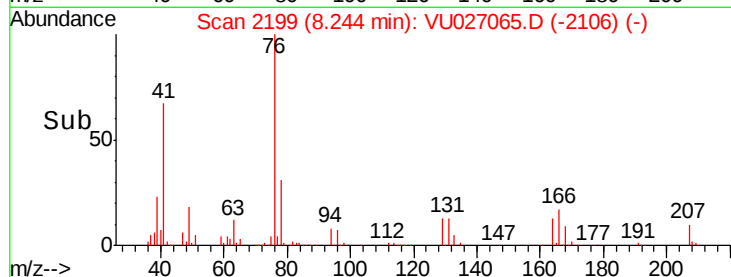
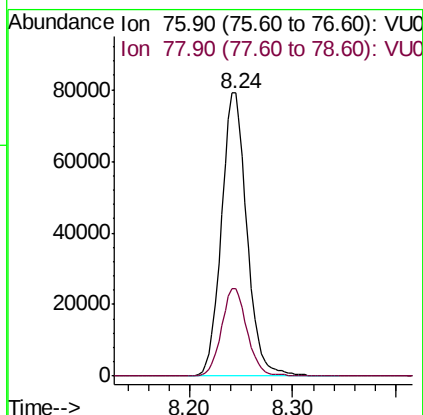
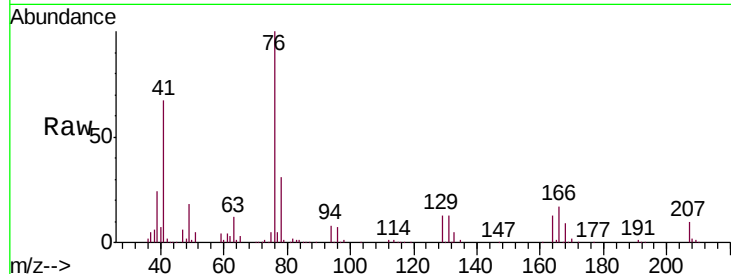




#57
 1,3-Dichloropropane
 Concen: 50.178 ug/l
 RT: 8.24 min Scan# 2199
 Delta R.T. 0.00 min
 Lab File: VU027065.D
 Acq: 23 Sep 2018 12:06

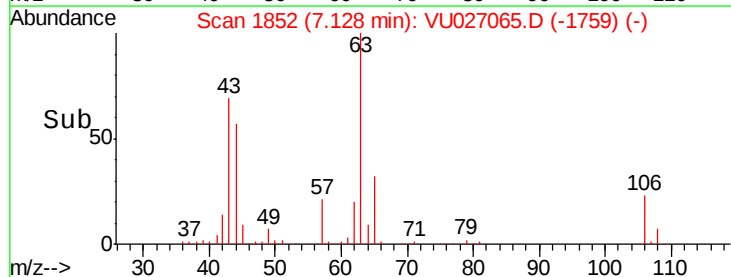
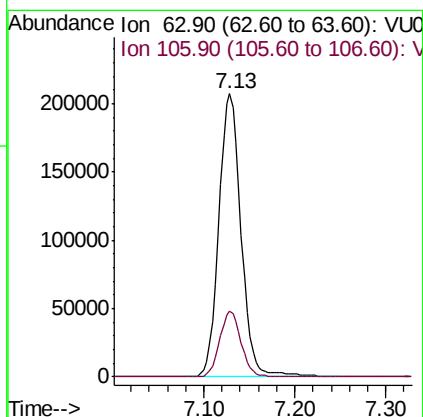
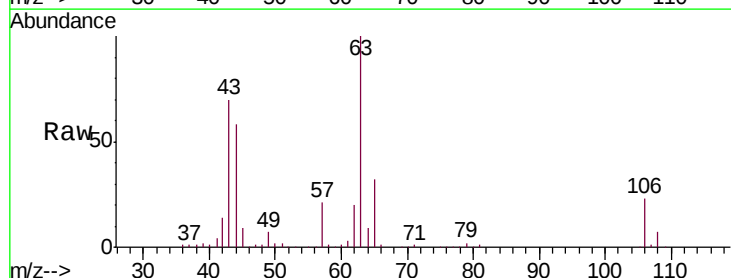
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB

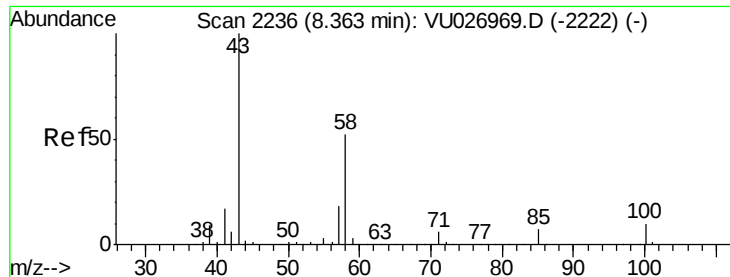
Tgt Ion: 76 Resp: 135718
 Ion Ratio Lower Upper
 76 100
 78 31.2 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 245.427 ug/l
 RT: 7.13 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VU027065.D
 Acq: 23 Sep 2018 12:06

Tgt Ion: 63 Resp: 351316
 Ion Ratio Lower Upper
 63 100
 106 22.8 18.7 28.1

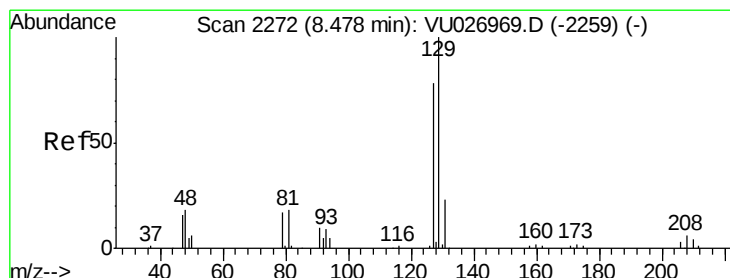
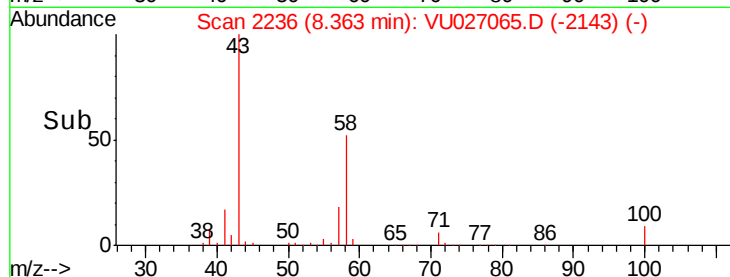
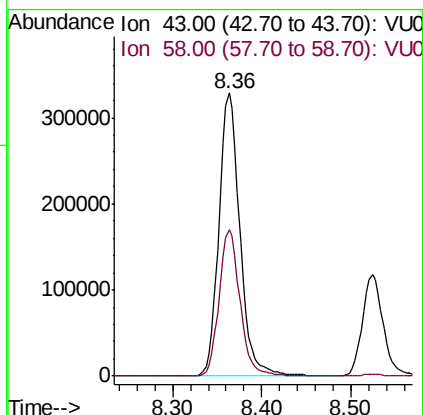
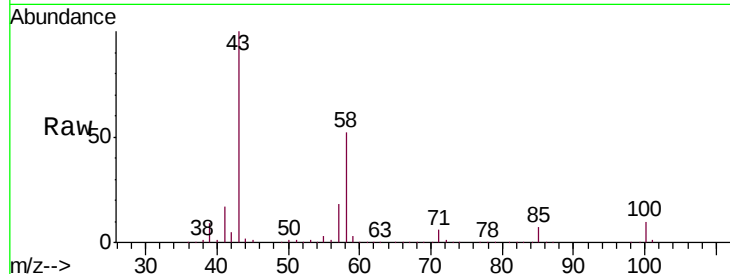




#59
2-Hexanone
Concen: 261.899 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. 0.00 min
Lab File: VU027065.D
Acq: 23 Sep 2018 12:06

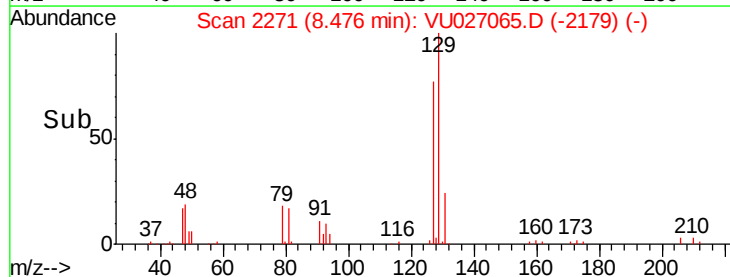
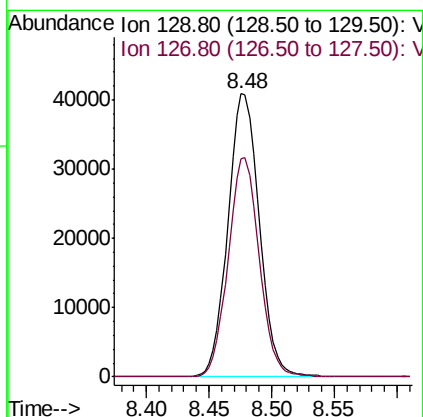
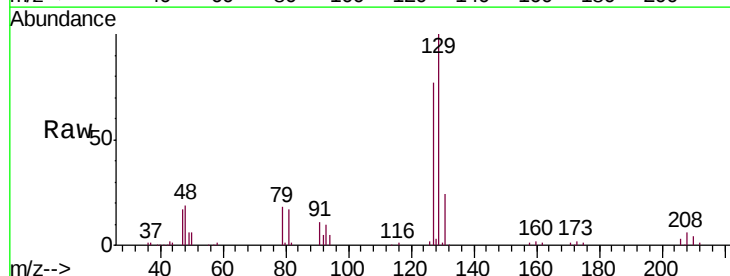
Instrument :
MSVOA_U
ClientSampled :
BFB

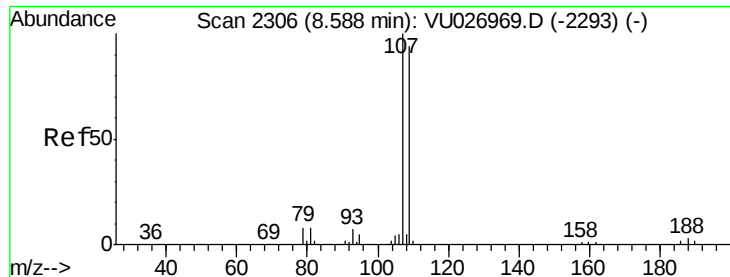
Tgt Ion: 43 Resp: 536139
Ion Ratio Lower Upper
43 100
58 51.7 26.1 78.2



#60
Dibromochloromethane
Concen: 49.957 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VU027065.D
Acq: 23 Sep 2018 12:06

Tgt Ion: 129 Resp: 71260
Ion Ratio Lower Upper
129 100
127 76.5 38.1 114.5

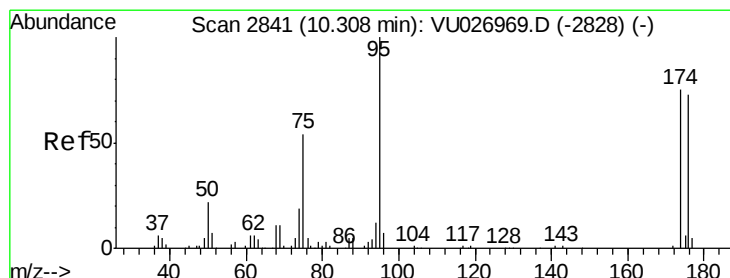
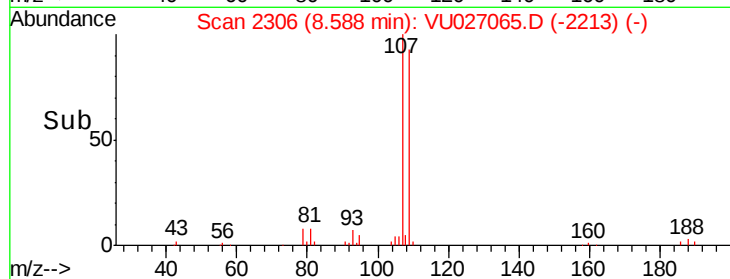
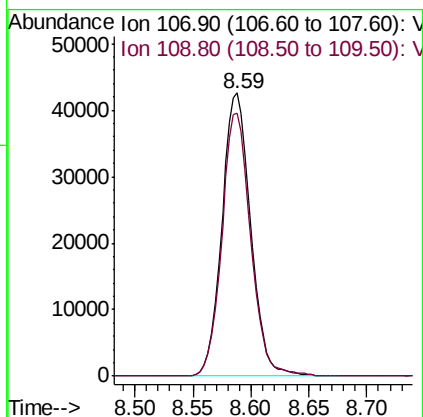
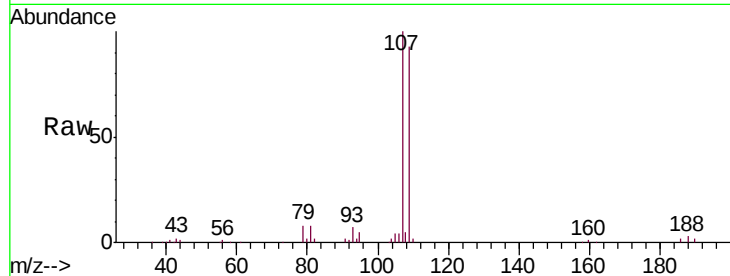




#61
 1,2-Dibromoethane
 Concen: 48.493 ug/l
 RT: 8.59 min Scan# 2306
 Delta R.T. 0.00 min
 Lab File: VU027065.D
 Acq: 23 Sep 2018 12:06

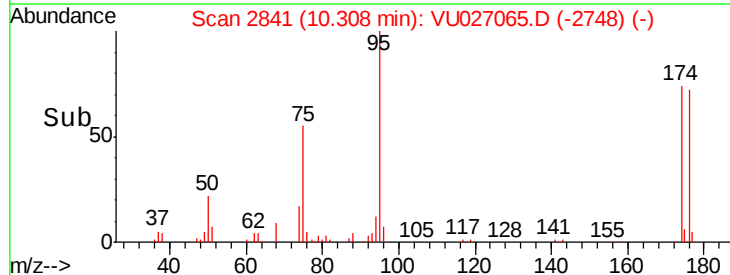
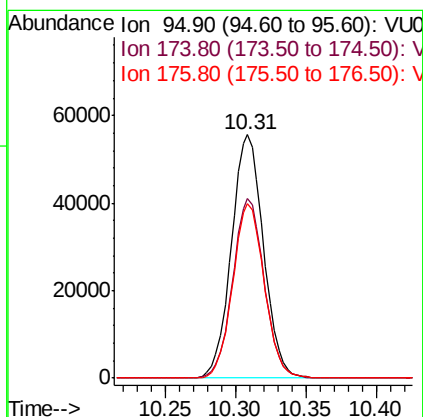
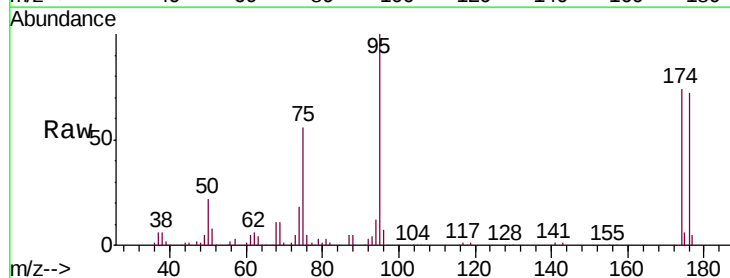
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB

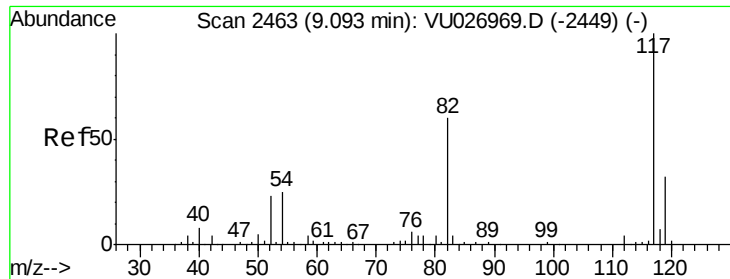
Tgt Ion: 107 Resp: 73373
 Ion Ratio Lower Upper
 107 100
 109 93.1 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 52.903 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. 0.00 min
 Lab File: VU027065.D
 Acq: 23 Sep 2018 12:06

Tgt Ion: 95 Resp: 88495
 Ion Ratio Lower Upper
 95 100
 174 72.7 0.0 150.2
 176 70.7 0.0 145.2

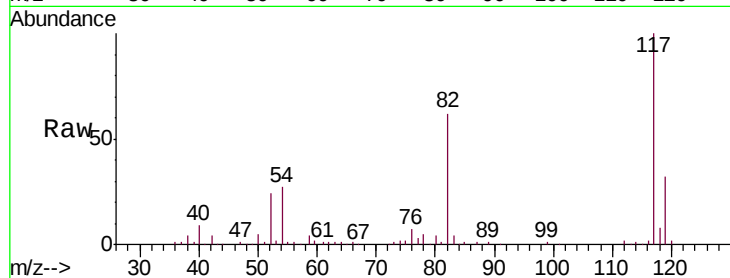




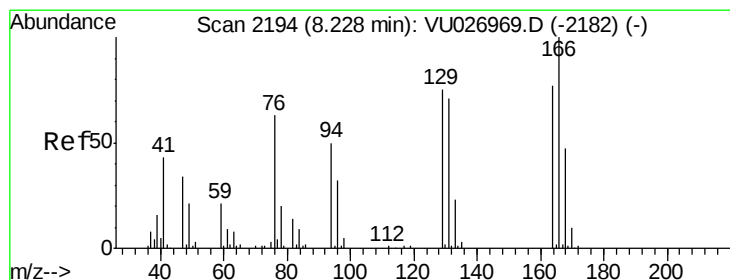
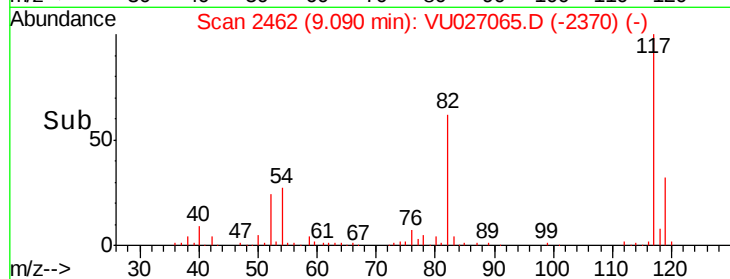
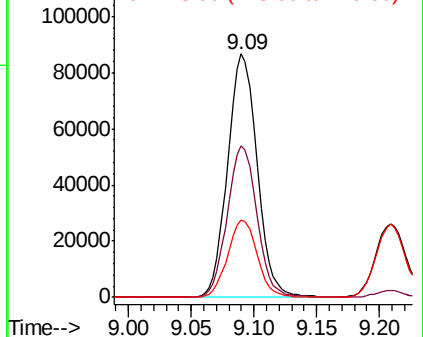
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU027065.D
Acq: 23 Sep 2018 12:06

Instrument :
MSVOA_U
ClientSampled :
BFB

Tgt Ion:117 Resp: 142100
Ion Ratio Lower Upper
117 100
82 62.3 48.0 72.0
119 31.7 25.8 38.8



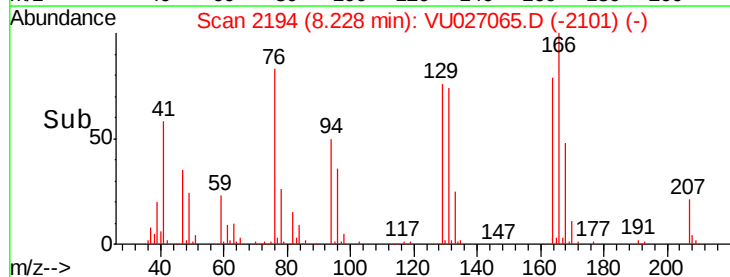
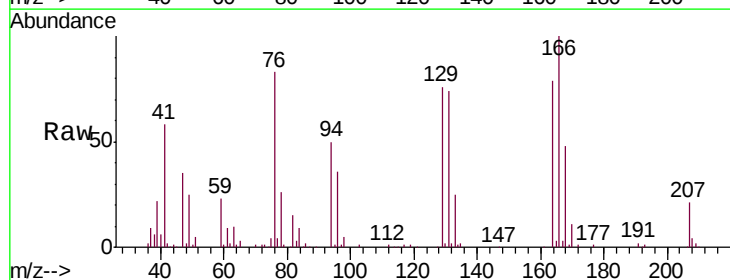
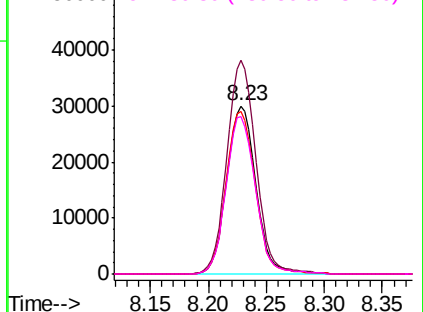
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

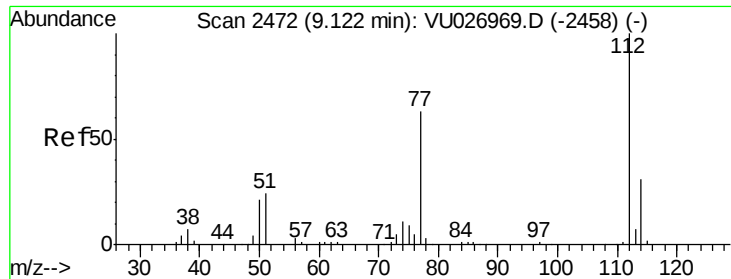


#64
Tetrachloroethene
Concen: 47.577 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU027065.D
Acq: 23 Sep 2018 12:06

Tgt Ion:164 Resp: 52096
Ion Ratio Lower Upper
164 100
166 127.2 104.4 156.6
129 96.6 78.7 118.1
131 93.6 73.9 110.9

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

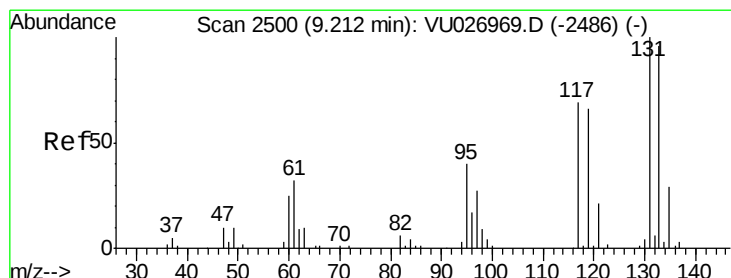
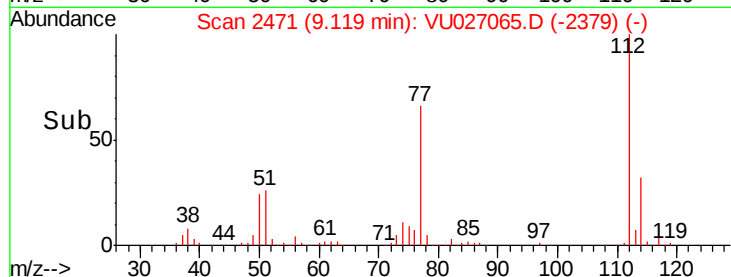
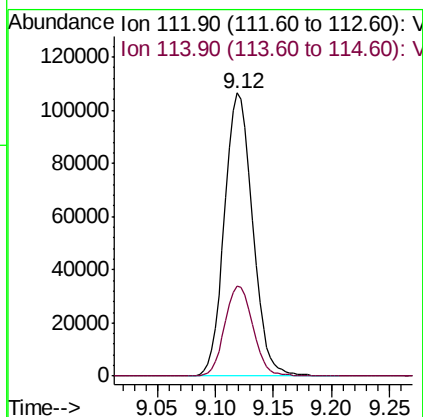
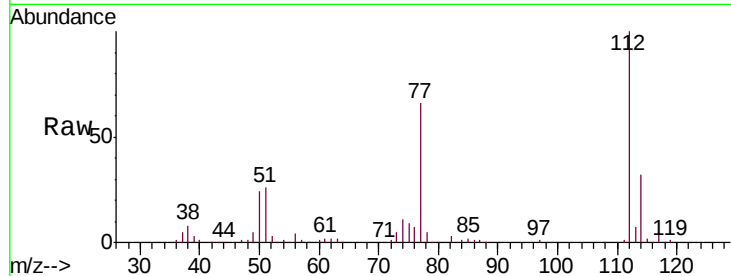




#65
Chlorobenzene
Concen: 47.554 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU027065.D
Acq: 23 Sep 2018 12:06

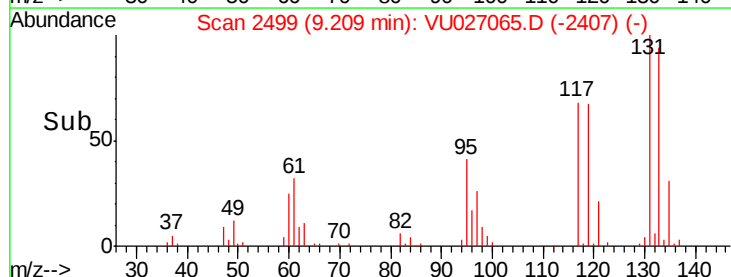
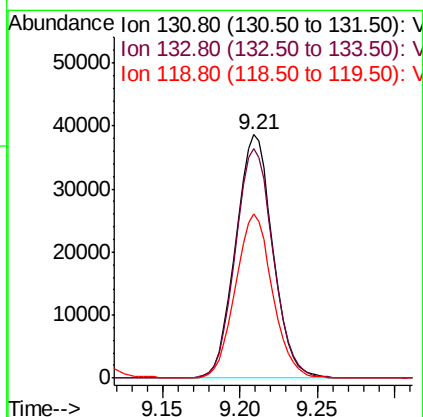
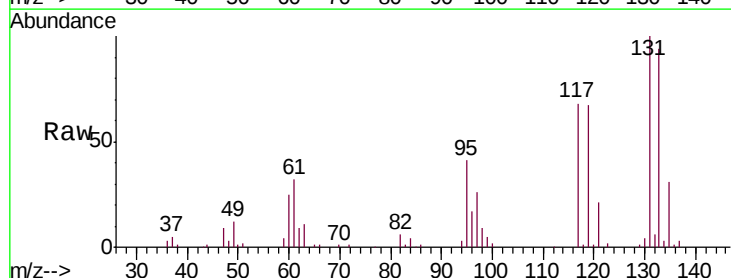
Instrument :
MSVOA_U
ClientSampled :
BFB

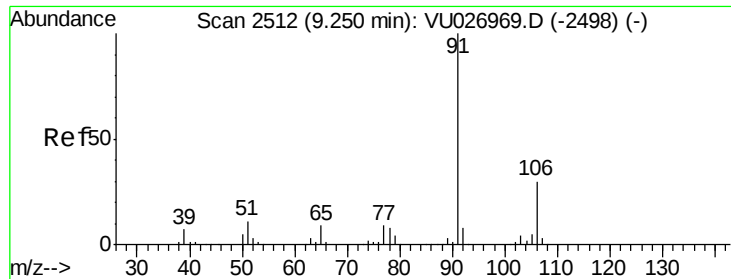
Tgt Ion:112 Resp: 179172
Ion Ratio Lower Upper
112 100
114 31.7 25.0 37.6



#66
1,1,1,2-Tetrachloroethane
Concen: 49.650 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VU027065.D
Acq: 23 Sep 2018 12:06

Tgt Ion:131 Resp: 64434
Ion Ratio Lower Upper
131 100
133 96.1 48.0 144.2
119 67.3 33.4 100.1

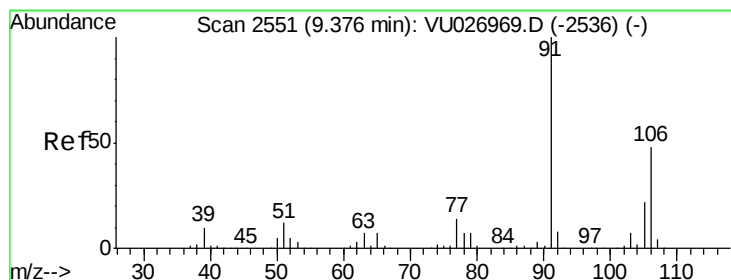
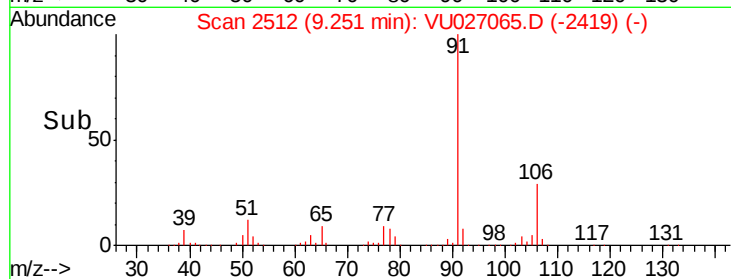
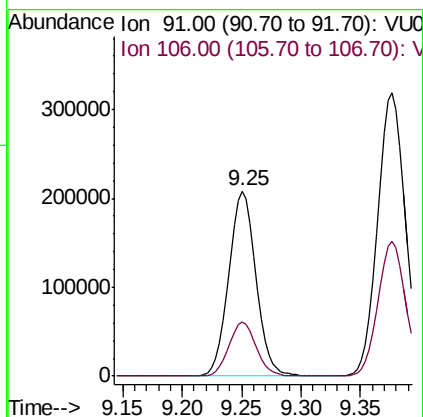
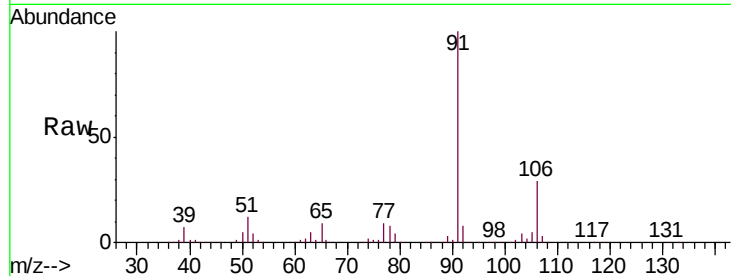




#67
Ethyl Benzene
Concen: 53.190 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU027065.D
Acq: 23 Sep 2018 12:06

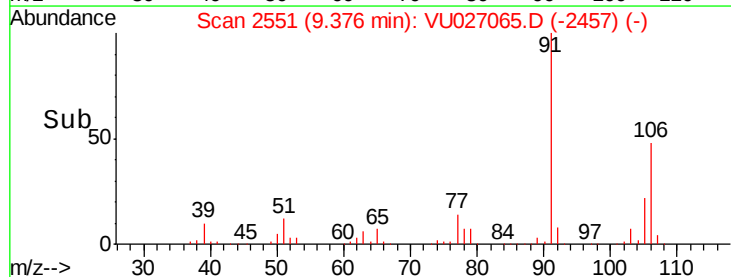
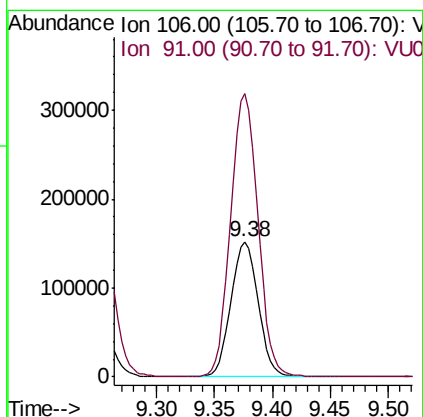
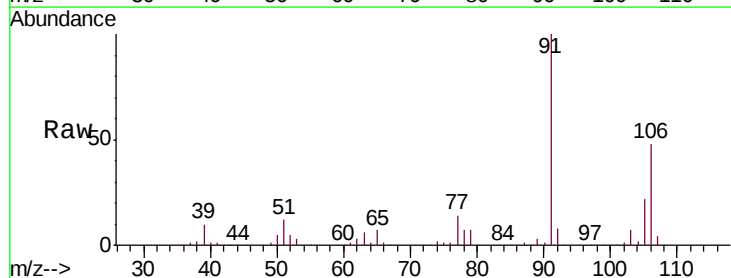
Instrument :
MSVOA_U
ClientSampleId :
BFB

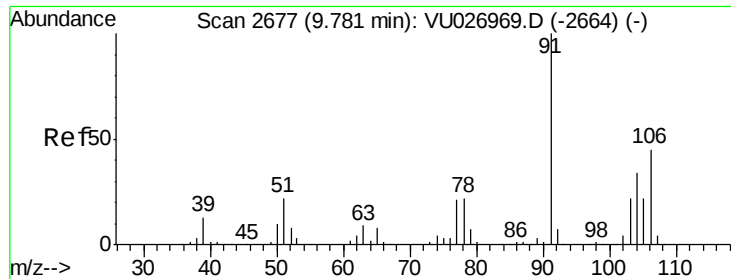
Tgt Ion: 91 Resp: 329549
Ion Ratio Lower Upper
91 100
106 29.2 23.8 35.8



#68
m/p-Xylenes
Concen: 98.032 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU027065.D
Acq: 23 Sep 2018 12:06

Tgt Ion: 106 Resp: 245905
Ion Ratio Lower Upper
106 100
91 211.2 166.5 249.7

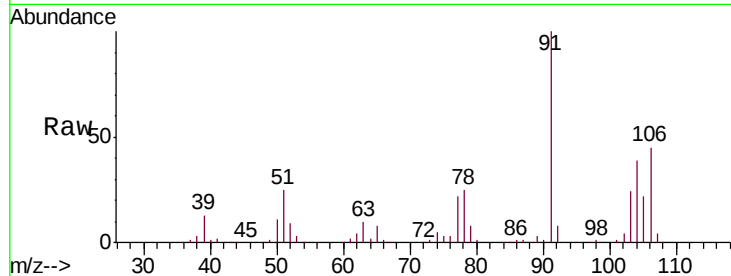




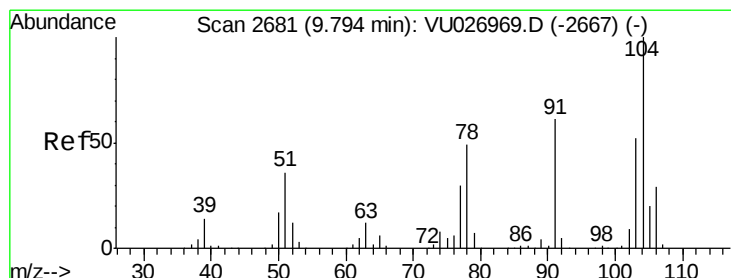
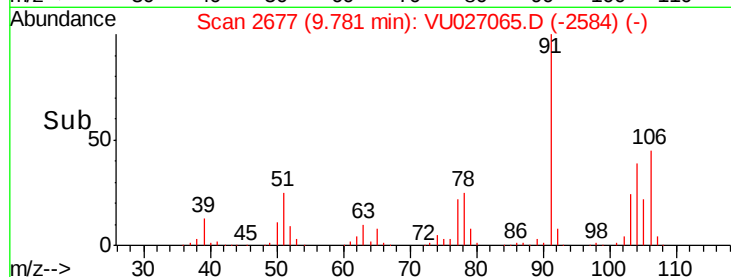
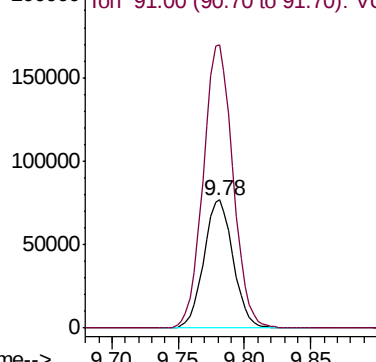
#69
o-Xylene
Concen: 53.823 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU027065.D
Acq: 23 Sep 2018 12:06

Instrument :
MSVOA_U
ClientSampled :
BFB

Tgt Ion:106 Resp: 118154
Ion Ratio Lower Upper
106 100
91 223.9 110.2 330.6

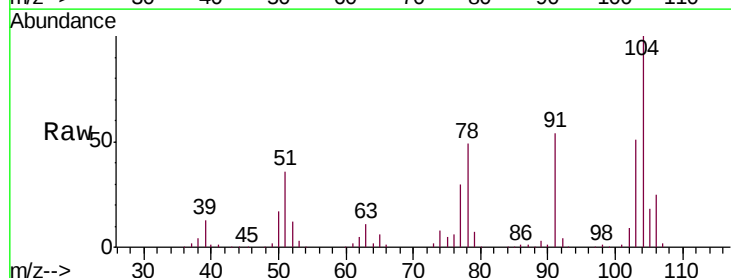


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

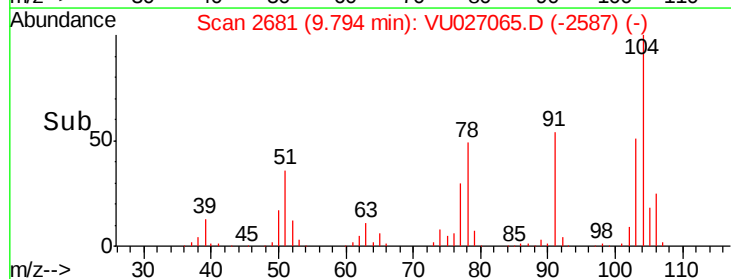
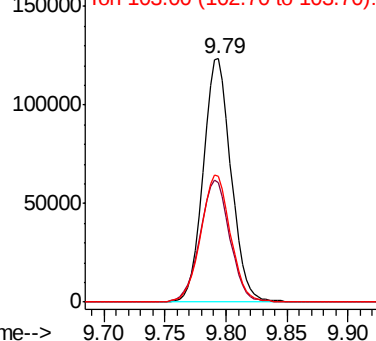


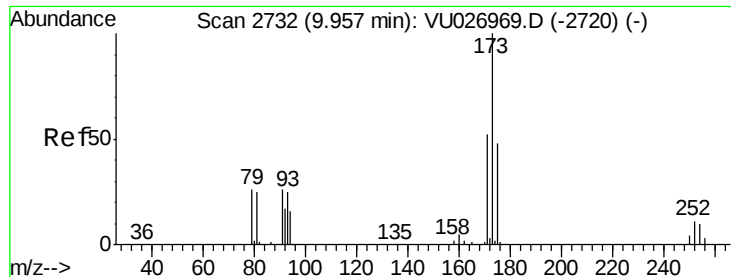
#70
Styrene
Concen: 48.022 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU027065.D
Acq: 23 Sep 2018 12:06

Tgt Ion:104 Resp: 196528
Ion Ratio Lower Upper
104 100
78 54.1 43.0 64.4
103 55.7 44.1 66.1



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





#71

Bromoform

Concen: 50.531 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VU027065.D

Acq: 23 Sep 2018 12:06

Instrument :

MSVOA_U

ClientSampleId :

BFB

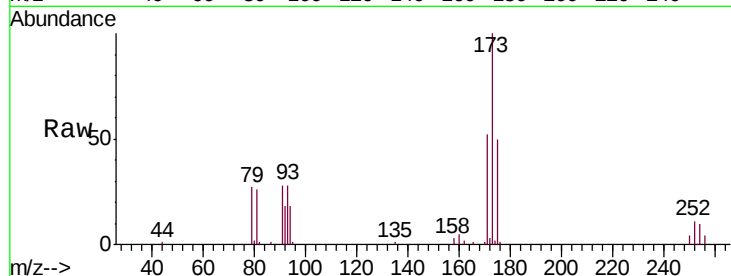
Tgt Ion:173 Resp: 50711

Ion Ratio Lower Upper

173 100

175 49.4 23.9 71.8

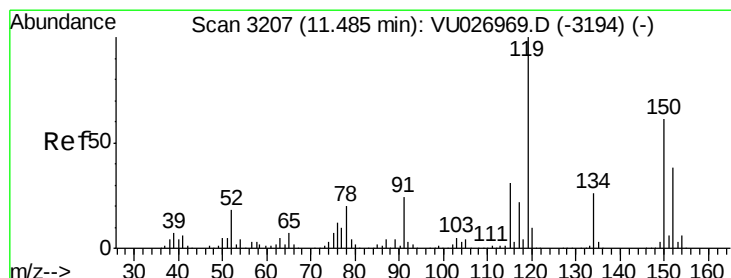
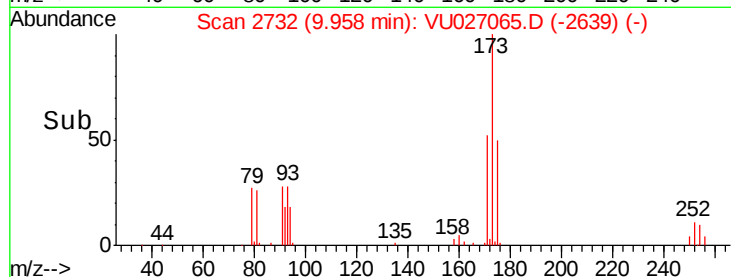
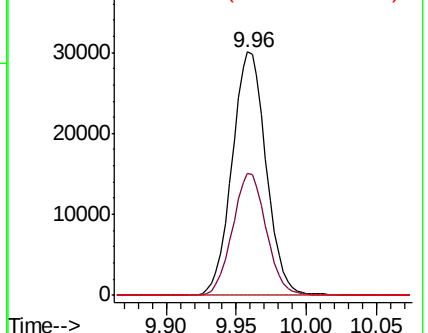
254 0.0 0.0 0.0



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: 11.49 min Scan# 3207

Delta R.T. 0.00 min

Lab File: VU027065.D

Acq: 23 Sep 2018 12:06

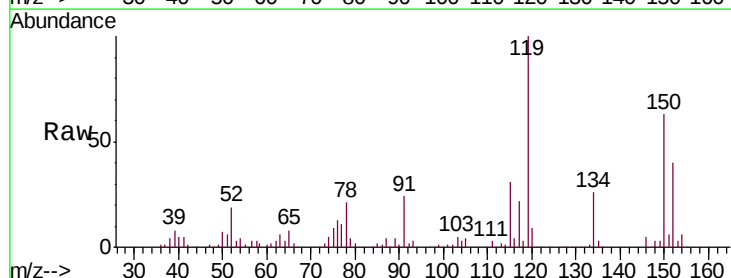
Tgt Ion:152 Resp: 78629

Ion Ratio Lower Upper

152 100

115 85.8 44.9 134.5

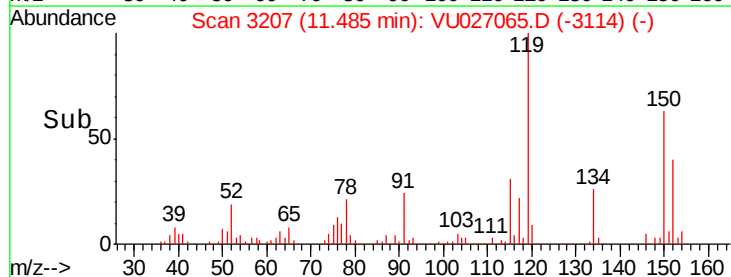
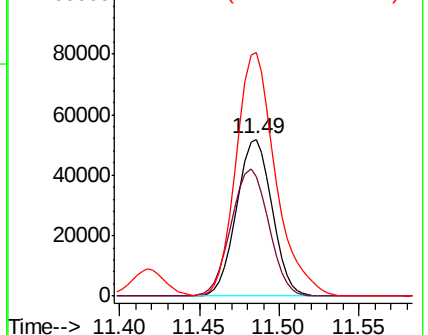
150 172.7 0.0 355.8

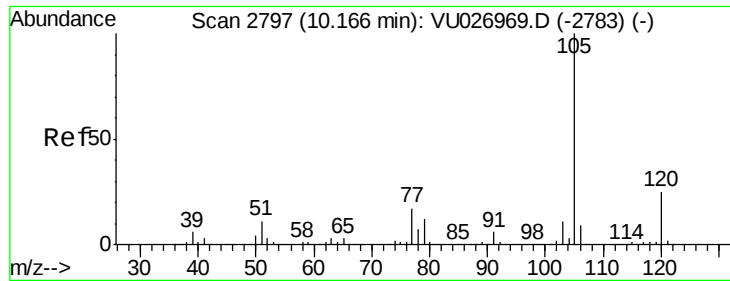


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 54.078 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU027065.D

Acq: 23 Sep 2018 12:06

Instrument :

MSVOA_U

ClientSampleId :

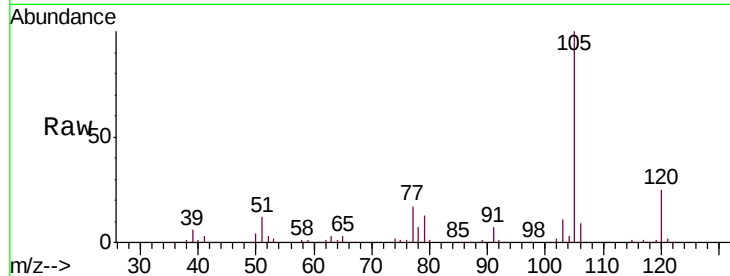
BFB

Tgt Ion:105 Resp: 323453

Ion Ratio Lower Upper

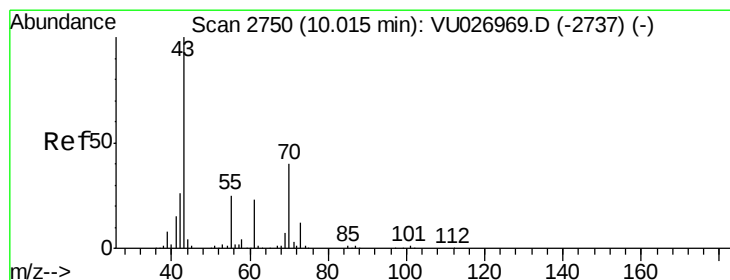
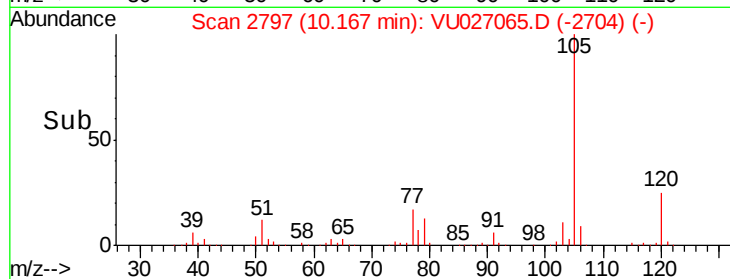
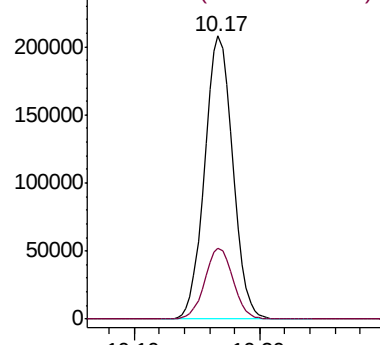
105 100

120 25.3 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 54.573 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VU027065.D

Acq: 23 Sep 2018 12:06

Tgt Ion: 43 Resp: 188942

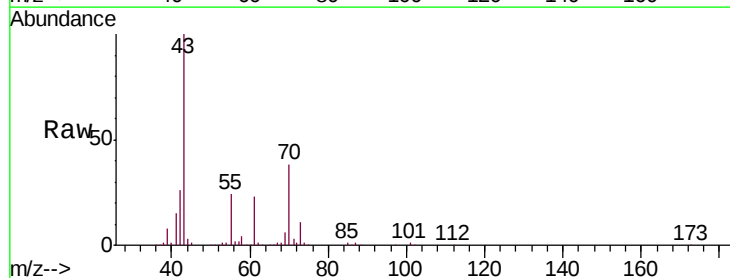
Ion Ratio Lower Upper

43 100

70 38.6 31.8 47.8

55 24.3 19.9 29.9

61 22.4 18.4 27.6

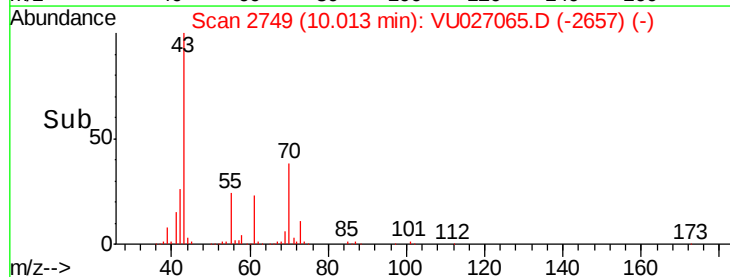
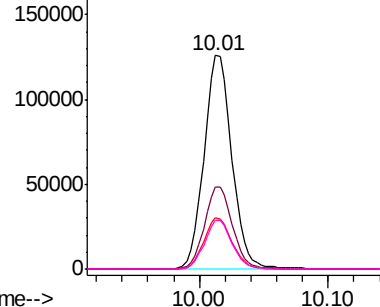


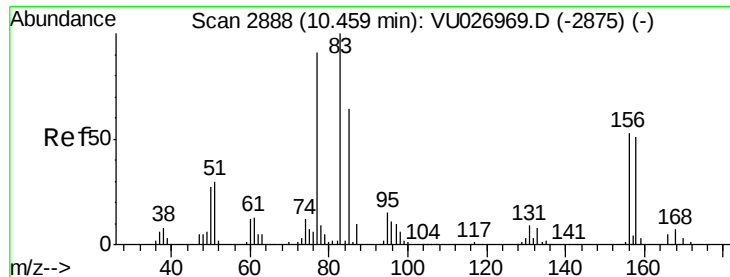
Abundance Ion 43.00 (42.70 to 43.70): VU0

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: 46.428 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU027065.D

Acq: 23 Sep 2018 12:06

Instrument :

MSVOA_U

ClientSampleId :

BFB

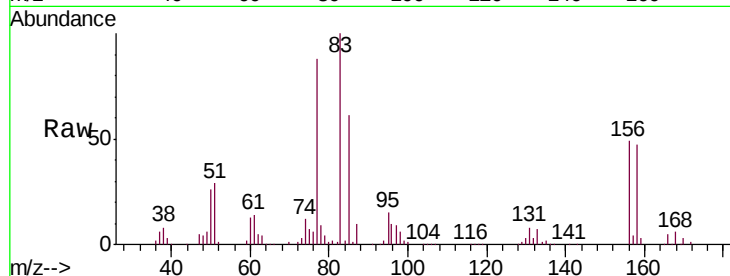
Tgt Ion: 83 Resp: 127678

Ion Ratio Lower Upper

83 100

131 8.2 4.3 12.8

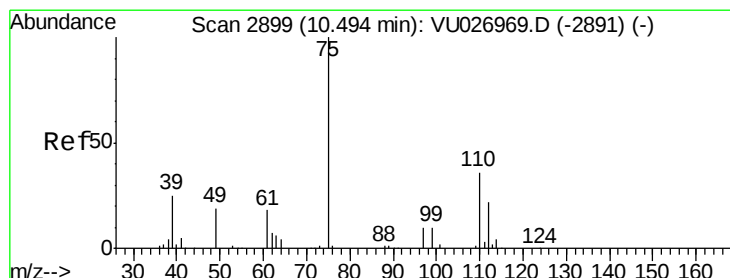
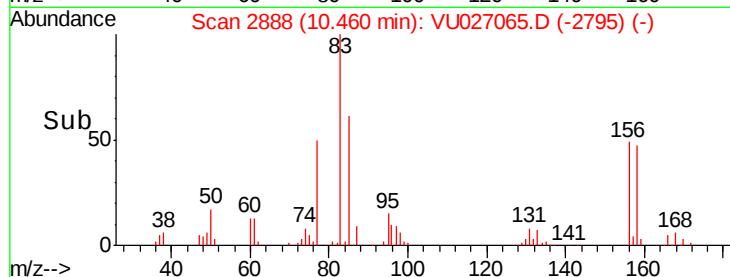
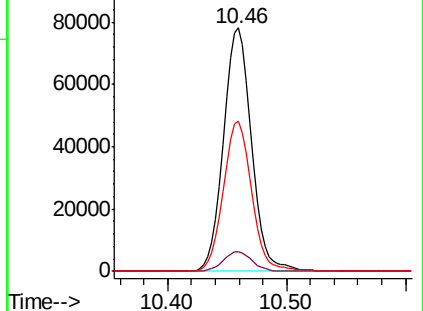
85 62.4 31.9 95.7



Abundance Ion 82.90 (82.60 to 83.60): VU027065.D (-2795) (-)

Ion 130.80 (130.50 to 131.50): VU027065.D (-2795) (-)

Ion 84.90 (84.60 to 85.60): VU027065.D (-2795) (-)



#76

1,2,3-Trichloropropane

Concen: 63.617 ug/l

RT: 10.49 min Scan# 2899

Delta R.T. 0.00 min

Lab File: VU027065.D

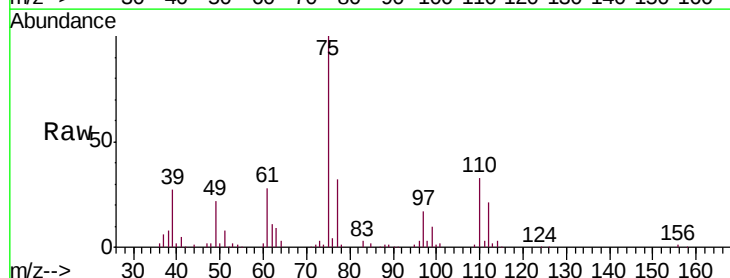
Acq: 23 Sep 2018 12:06

Tgt Ion: 75 Resp: 151964

Ion Ratio Lower Upper

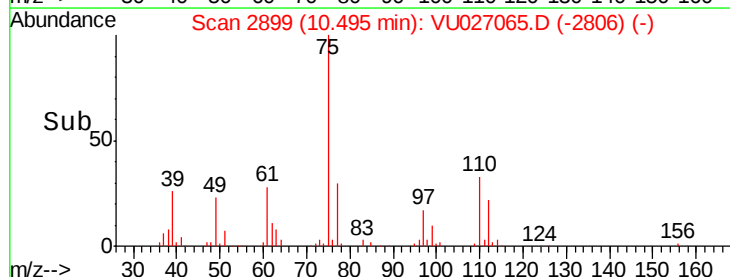
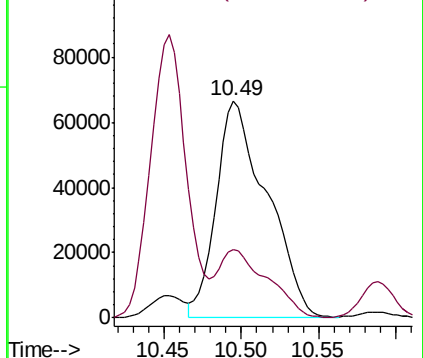
75 100

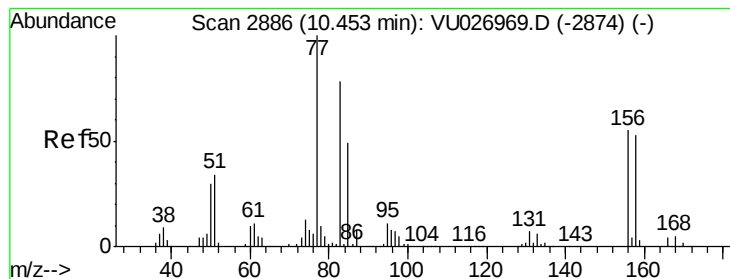
77 30.9 20.9 62.8



Abundance Ion 74.90 (74.60 to 75.60): VU027065.D (-2806) (-)

Ion 77.00 (76.70 to 77.70): VU027065.D (-2806) (-)





#77

Bromobenzene

Concen: 49.346 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. 0.00 min

Lab File: VU027065.D

Acq: 23 Sep 2018 12:06

Instrument :

MSVOA_U

ClientSampleId :

BFB

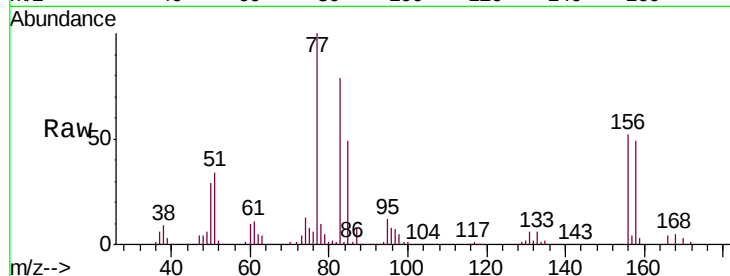
Tgt Ion:156 Resp: 72125

Ion Ratio Lower Upper

156 100

77 194.1 92.3 276.9

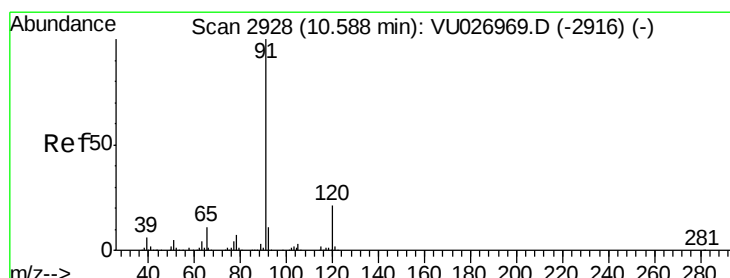
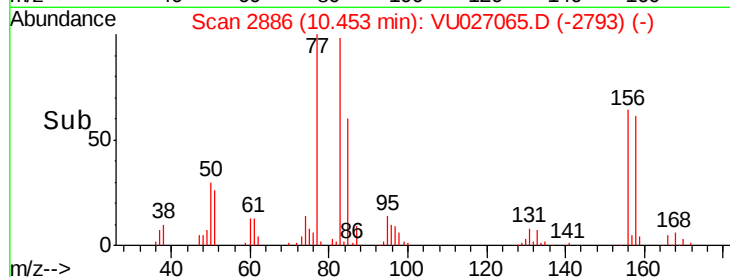
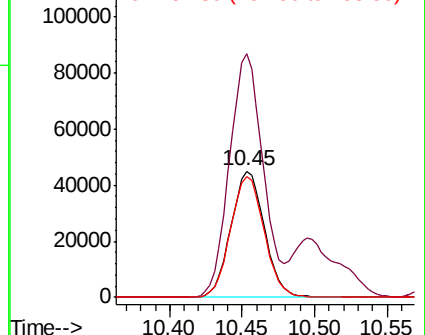
158 96.2 48.1 144.3



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: 55.533 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU027065.D

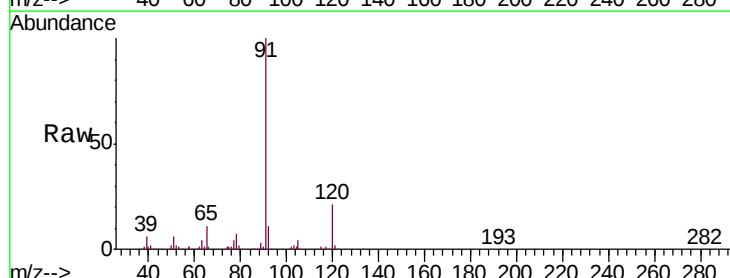
Acq: 23 Sep 2018 12:06

Tgt Ion: 91 Resp: 393015

Ion Ratio Lower Upper

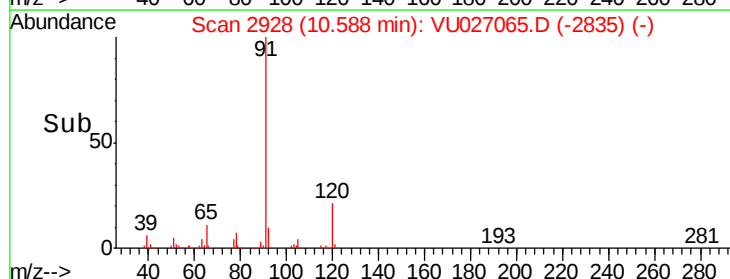
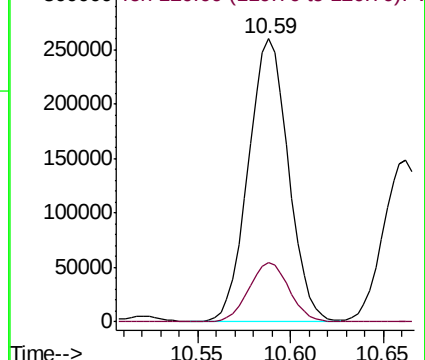
91 100

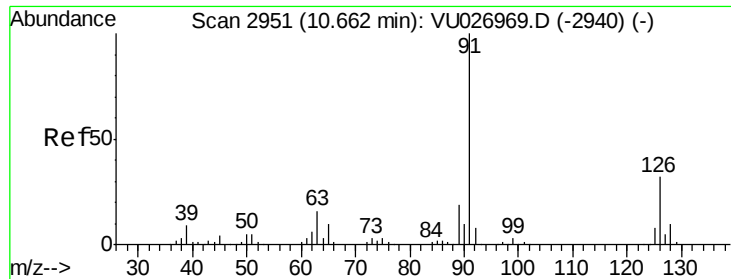
120 21.0 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.977 ug/l

RT: 10.66 min Scan# 2951

Delta R.T. 0.00 min

Lab File: VU027065.D

Acq: 23 Sep 2018 12:06

Instrument :

MSVOA_U

ClientSampled :

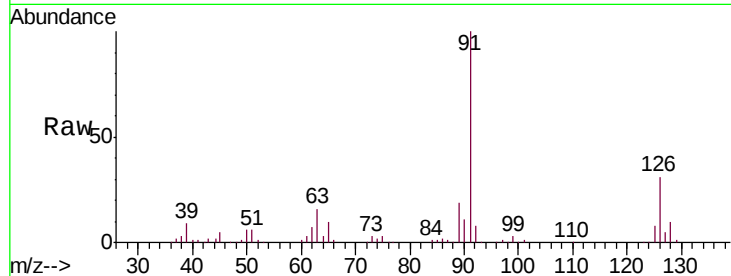
BFB

Tgt Ion: 91 Resp: 231055

Ion Ratio Lower Upper

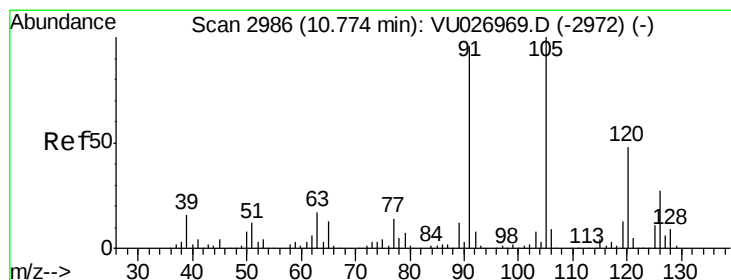
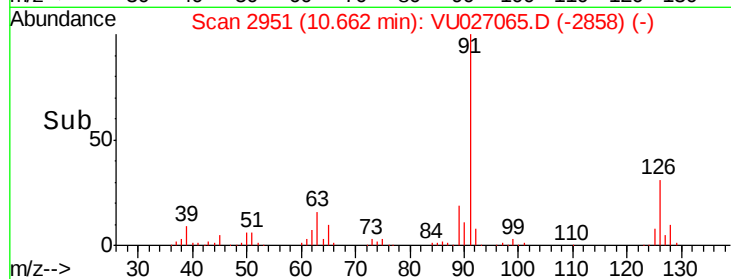
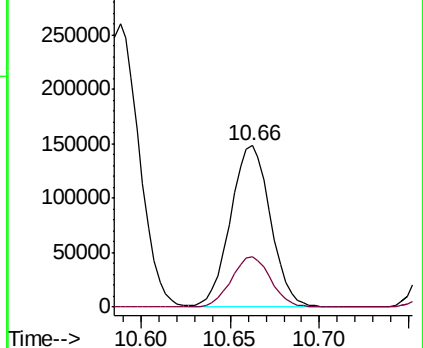
91 100

126 31.0 15.8 47.3



Abundance Ion 91.00 (90.70 to 91.70): VU026969.D (-2940) (-)

Ion 125.90 (125.60 to 126.60): VU026969.D (-2940) (-)



#80

1,3,5-Trimethylbenzene

Concen: 54.850 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU027065.D

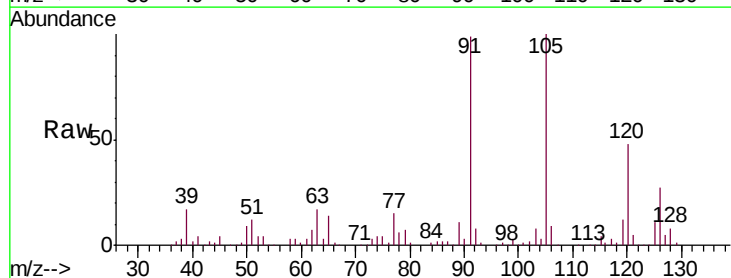
Acq: 23 Sep 2018 12:06

Tgt Ion: 105 Resp: 270815

Ion Ratio Lower Upper

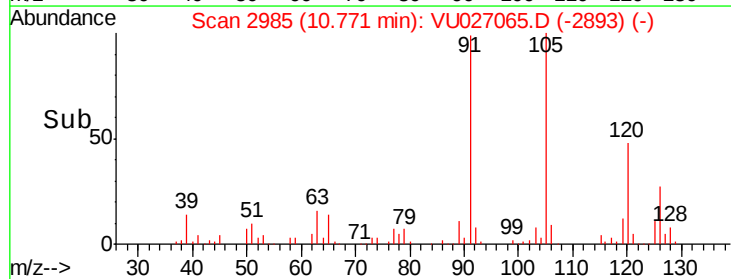
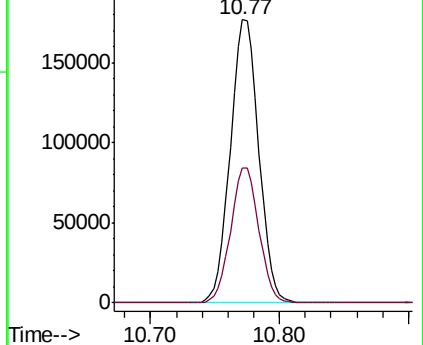
105 100

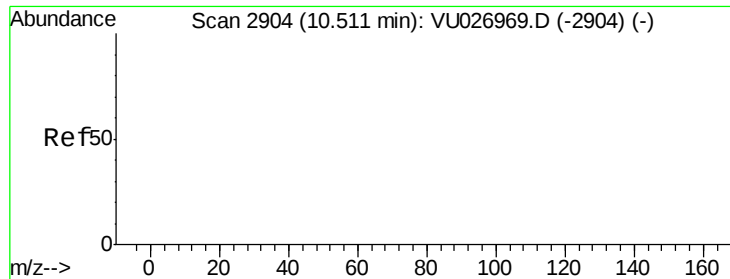
120 47.4 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VU026969.D (-2972) (-)

Ion 120.00 (119.70 to 120.70): VU026969.D (-2972) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 203.586 ug/l

RT: 10.49 min Scan# 2899

Delta R.T. -0.02 min

Lab File: VU027065.D

Acq: 23 Sep 2018 12:06

Instrument :

MSVOA_U

ClientSampled :

BFB

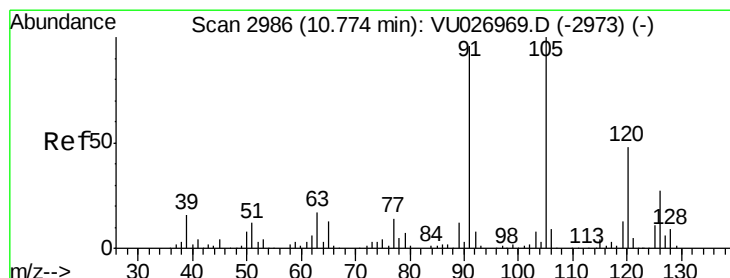
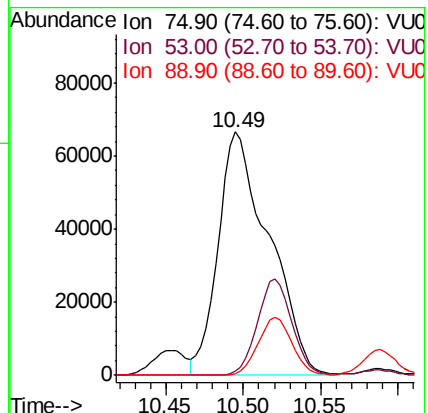
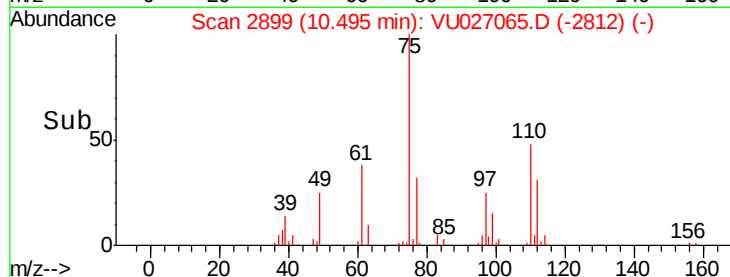
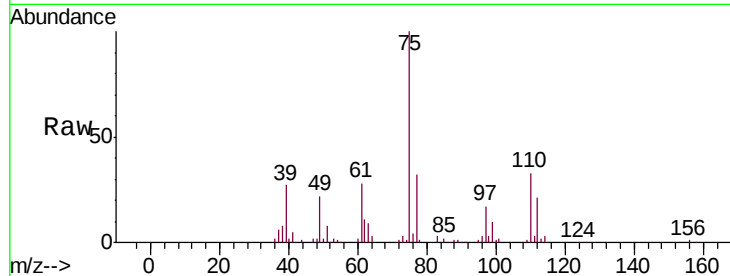
Tgt Ion: 75 Resp: 151964

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0



#82

4-Chlorotoluene

Concen: 53.428 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU027065.D

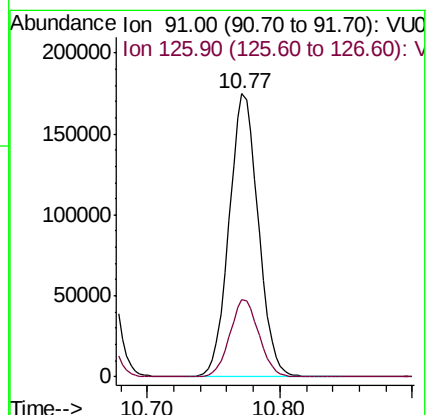
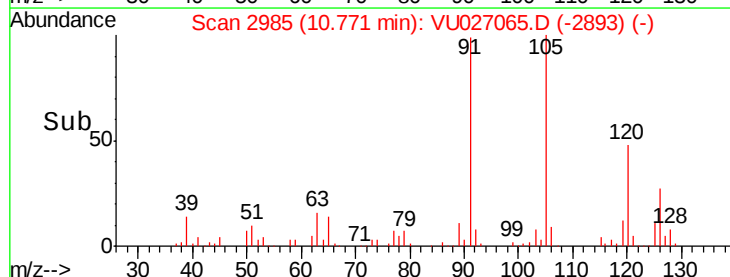
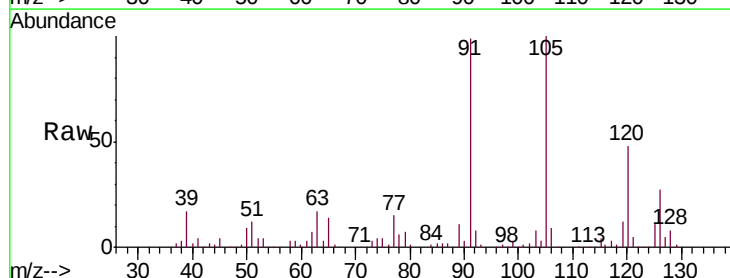
Acq: 23 Sep 2018 12:06

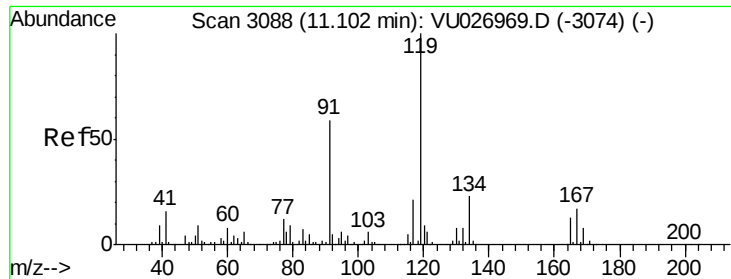
Tgt Ion: 91 Resp: 266313

Ion Ratio Lower Upper

91 100

126 27.5 14.1 42.2

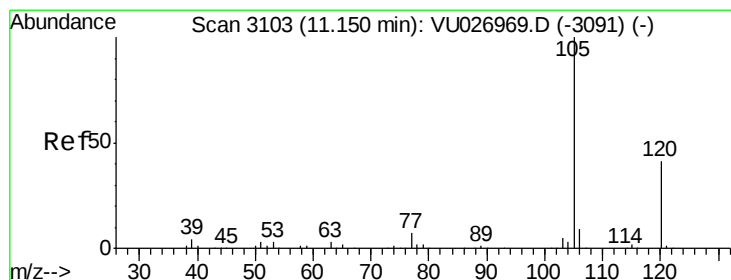
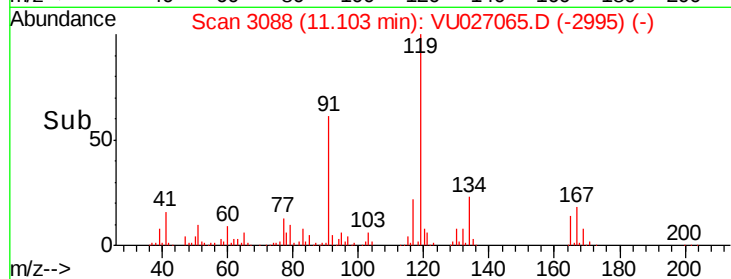
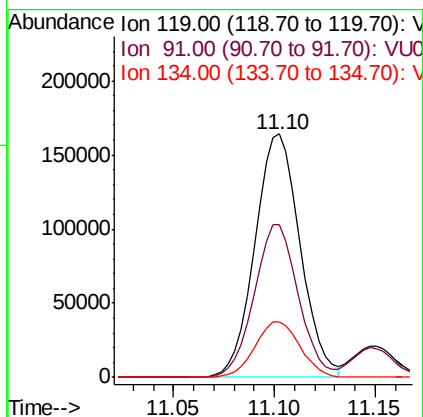
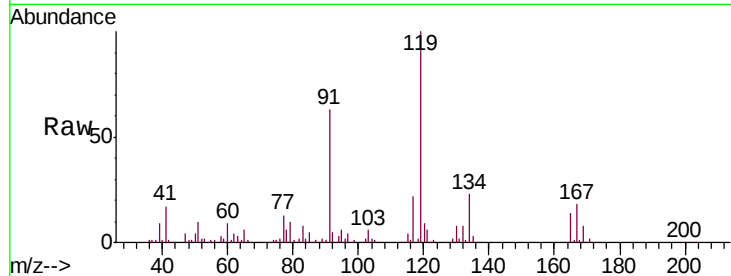




#83
tert-Butylbenzene
Concen: 52.645 ug/l
RT: 11.10 min Scan# 3088
Delta R.T. 0.00 min
Lab File: VU027065.D
Acq: 23 Sep 2018 12:06

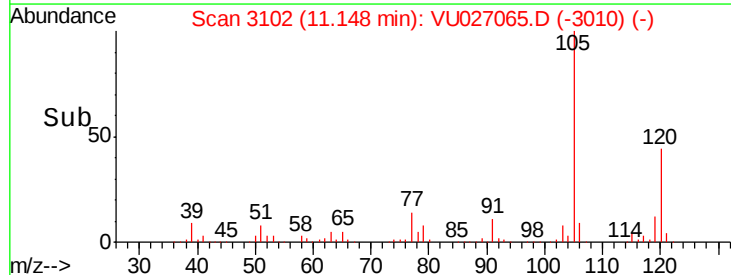
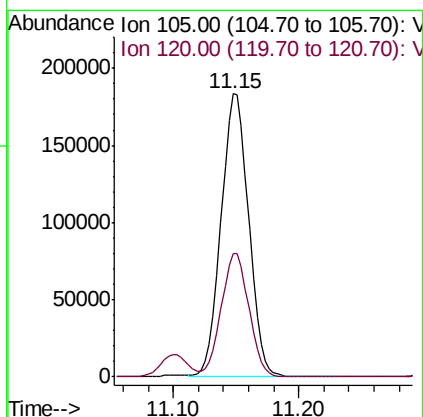
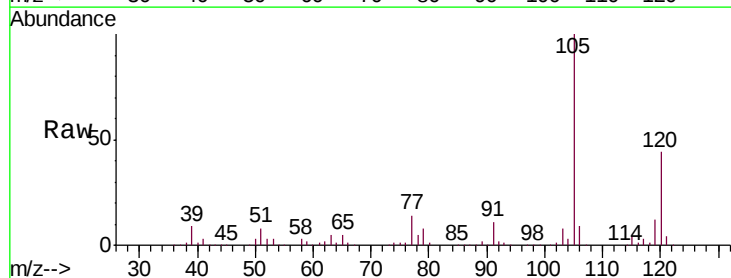
Instrument :
MSVOA_U
ClientSampled :
BFB

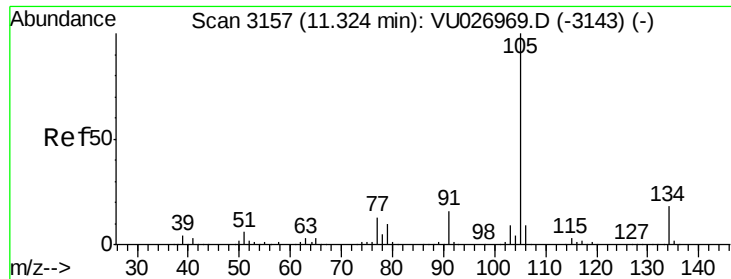
Tgt Ion:119 Resp: 256981
Ion Ratio Lower Upper
119 100
91 61.2 29.8 89.4
134 22.9 11.5 34.4



#84
1,2,4-Trimethylbenzene
Concen: 55.411 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. -0.00 min
Lab File: VU027065.D
Acq: 23 Sep 2018 12:06

Tgt Ion:105 Resp: 278425
Ion Ratio Lower Upper
105 100
120 43.8 22.4 67.2

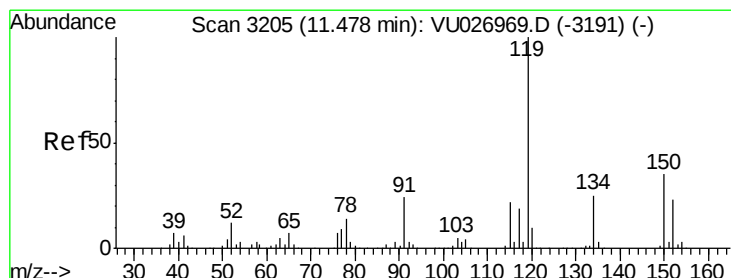
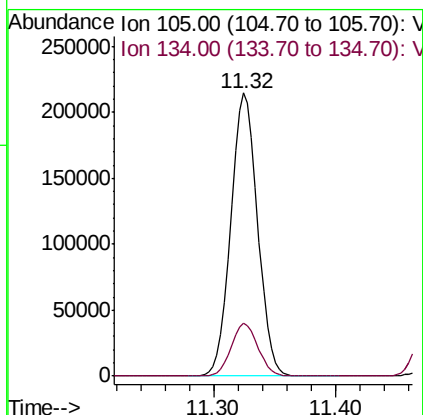
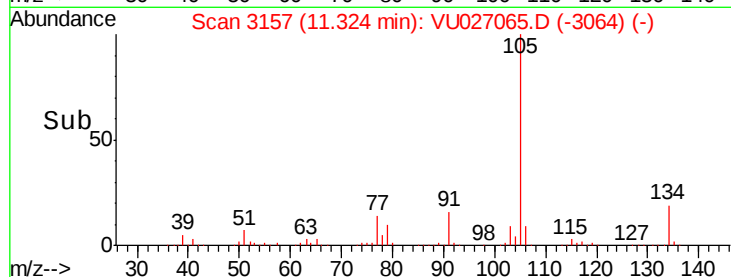
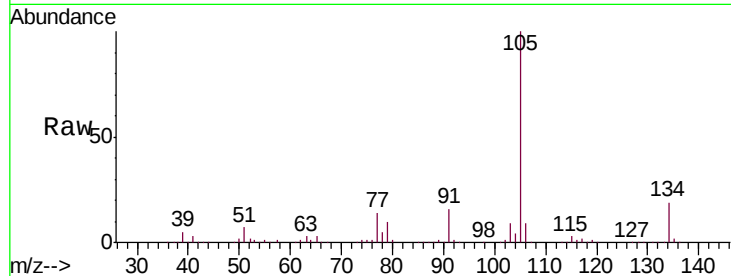




#85
 sec-Butylbenzene
 Concen: 55.026 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: VU027065.D
 Acq: 23 Sep 2018 12:06

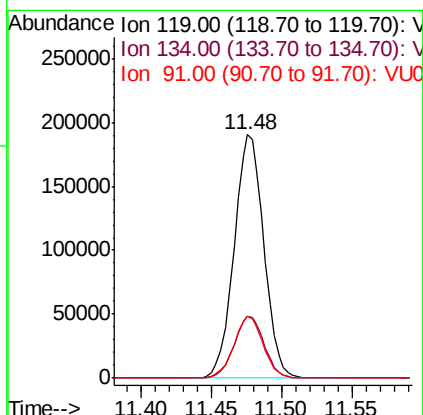
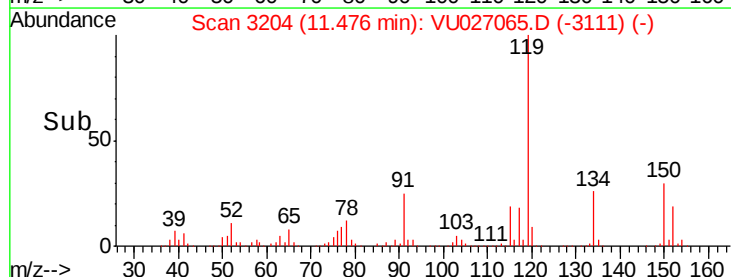
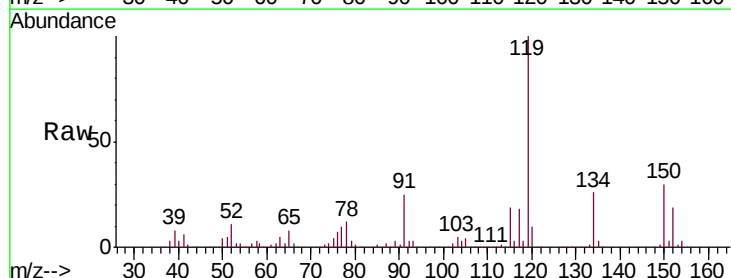
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB

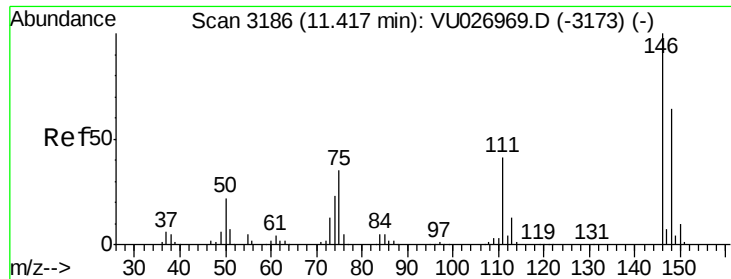
Tgt Ion:105 Resp: 327881
 Ion Ratio Lower Upper
 105 100
 134 18.6 9.4 28.2



#86
 p-Isopropyltoluene
 Concen: 49.960 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. -0.00 min
 Lab File: VU027065.D
 Acq: 23 Sep 2018 12:06

Tgt Ion:119 Resp: 279331
 Ion Ratio Lower Upper
 119 100
 134 25.6 12.8 38.3
 91 25.1 12.3 36.8

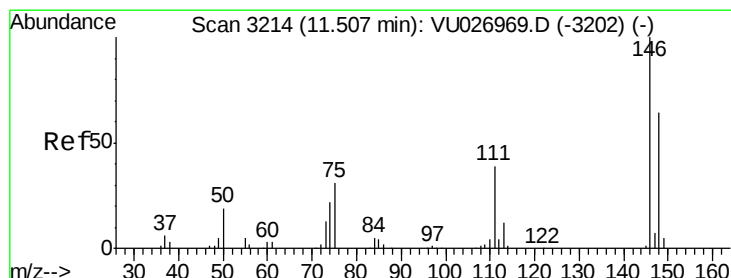
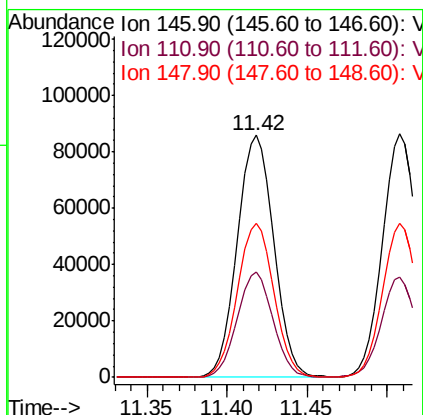
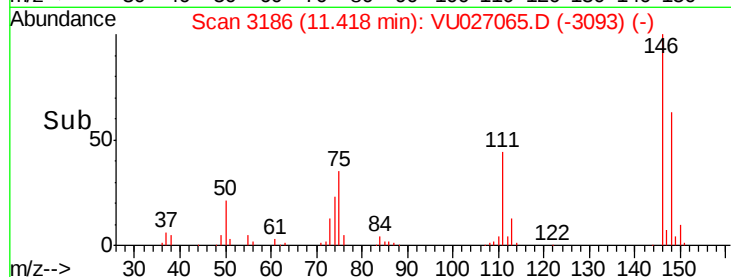
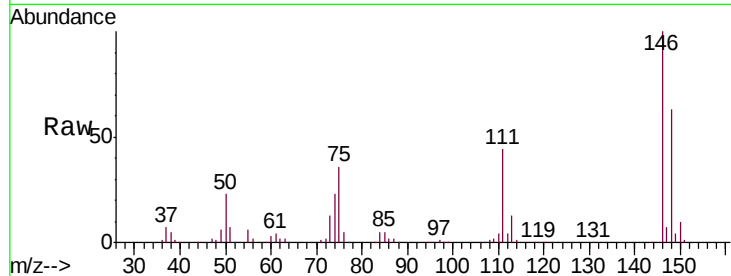




#87
 1,3-Dichlorobenzene
 Concen: 49.122 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU027065.D
 Acq: 23 Sep 2018 12:06

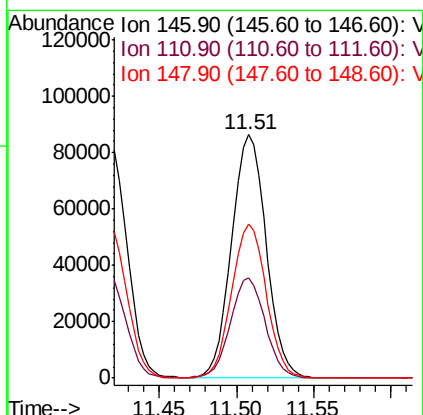
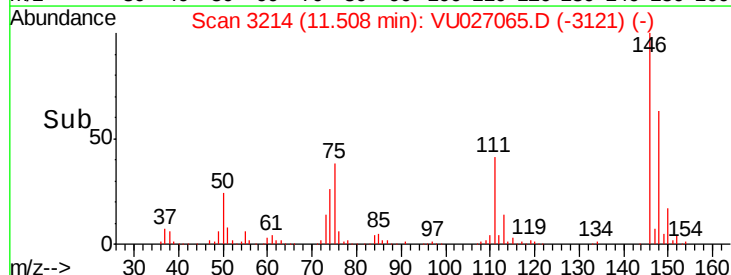
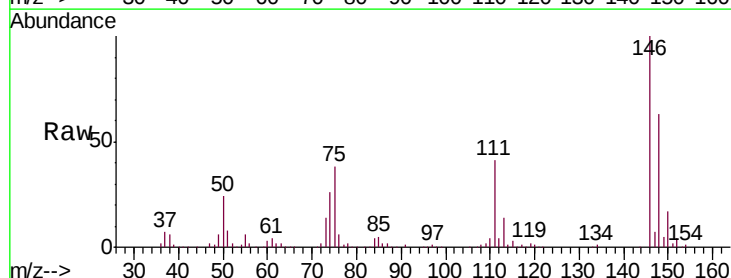
Instrument :
 MSVOA_U
 ClientSampled :
 BFB

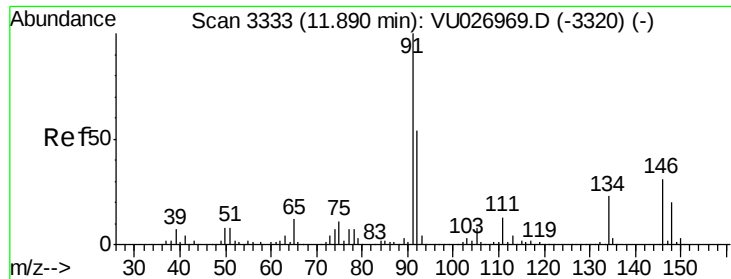
Tgt Ion:146 Resp: 133608
 Ion Ratio Lower Upper
 146 100
 111 42.5 20.8 62.2
 148 63.6 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 45.084 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU027065.D
 Acq: 23 Sep 2018 12:06

Tgt Ion:146 Resp: 133646
 Ion Ratio Lower Upper
 146 100
 111 41.6 20.3 60.9
 148 63.5 31.9 95.9





#89

n-Butylbenzene

Concen: 48.204 ug/l

RT: 11.89 min Scan# 3333

Delta R.T. 0.00 min

Lab File: VU027065.D

Acq: 23 Sep 2018 12:06

Instrument :

MSVOA_U

ClientSampled :

BFB

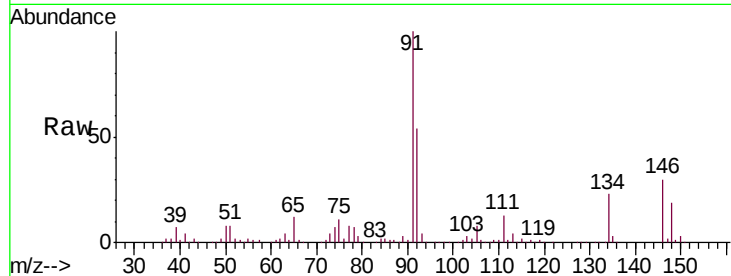
Tgt Ion: 91 Resp: 260778

Ion Ratio Lower Upper

91 100

92 53.9 27.1 81.2

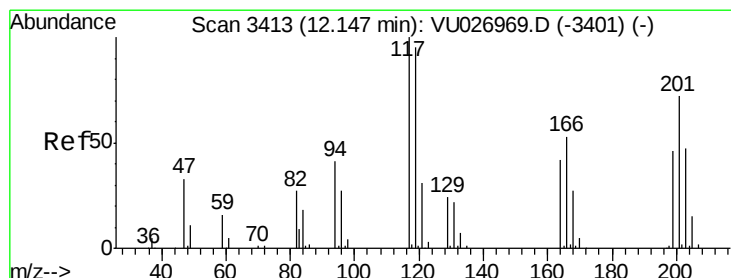
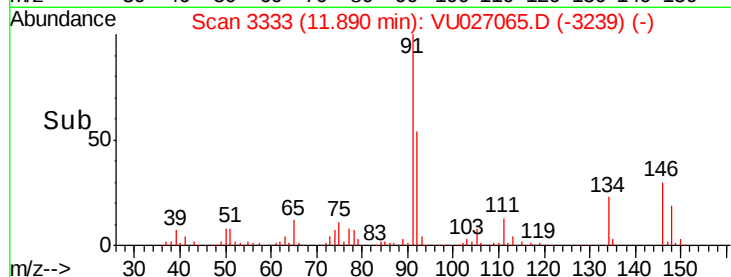
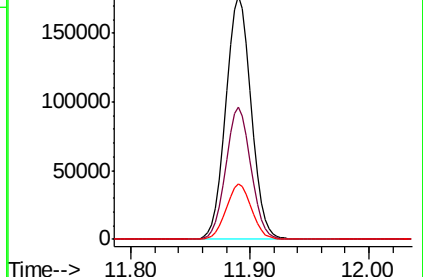
134 22.7 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VU026969.D (-3320) (-)

Ion 92.00 (91.70 to 92.70): VU026969.D (-3320) (-)

Ion 134.00 (133.70 to 134.70): VU026969.D (-3320) (-)



#90

Hexachloroethane

Concen: 48.499 ug/l

RT: 12.15 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VU027065.D

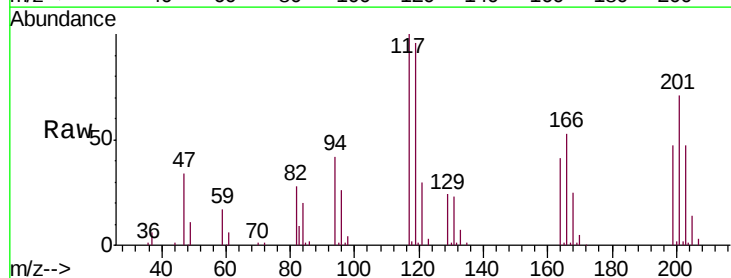
Acq: 23 Sep 2018 12:06

Tgt Ion: 117 Resp: 52552

Ion Ratio Lower Upper

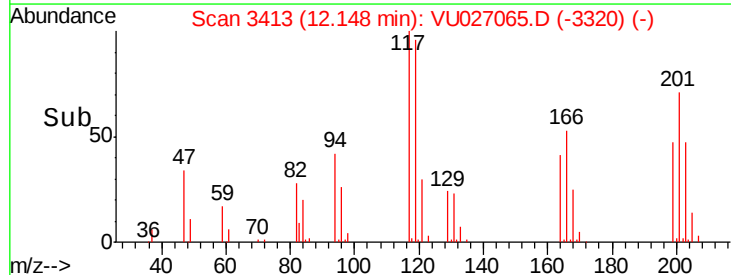
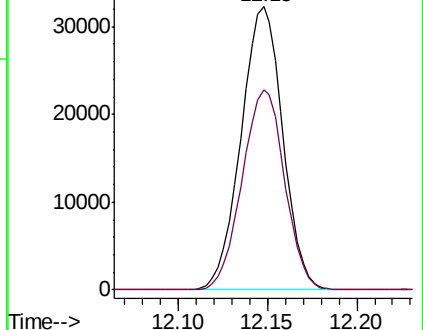
117 100

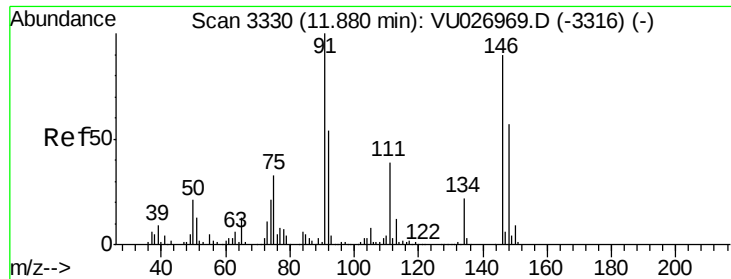
201 72.0 36.8 110.3



Abundance Ion 116.80 (116.50 to 117.50): VU026969.D (-3401) (-)

Ion 200.70 (200.40 to 201.40): VU026969.D (-3401) (-)





#91

1,2-Dichlorobenzene

Concen: 46.796 ug/l

RT: 11.88 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VU027065.D

Acq: 23 Sep 2018 12:06

Instrument :

MSVOA_U

ClientSampleId :

BFB

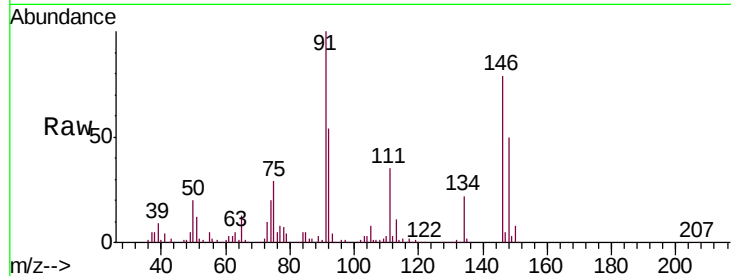
Tgt Ion: 146 Resp: 135203

Ion Ratio Lower Upper

146 100

111 44.9 21.8 65.3

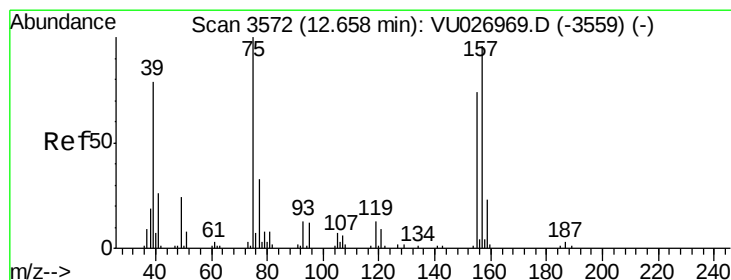
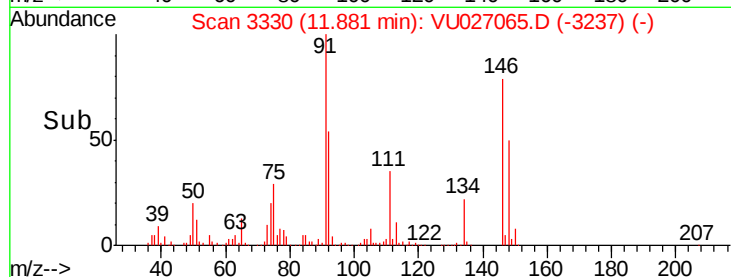
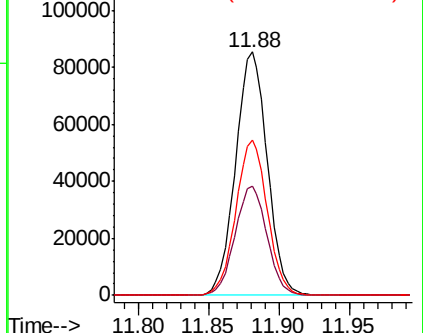
148 63.2 31.9 95.7



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: 48.896 ug/l

RT: 12.66 min Scan# 3571

Delta R.T. -0.00 min

Lab File: VU027065.D

Acq: 23 Sep 2018 12:06

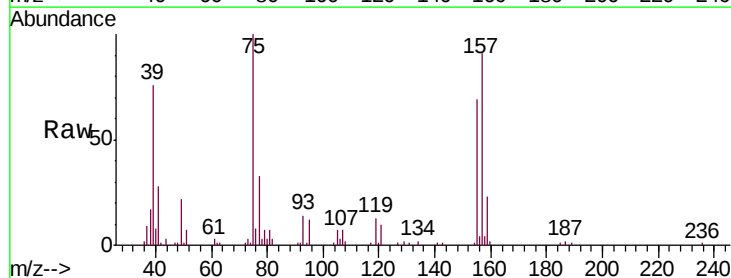
Tgt Ion: 75 Resp: 27431

Ion Ratio Lower Upper

75 100

155 71.2 36.6 109.8

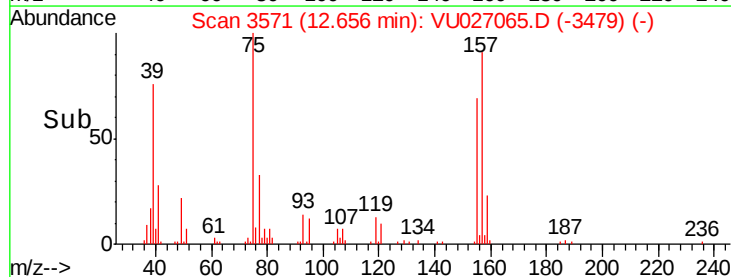
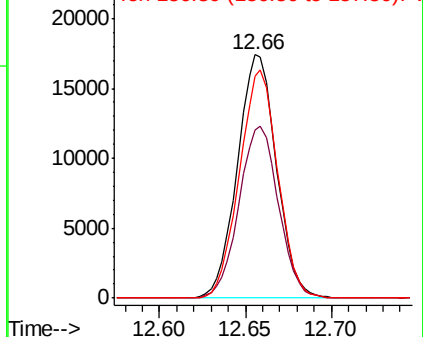
157 92.0 47.4 142.2

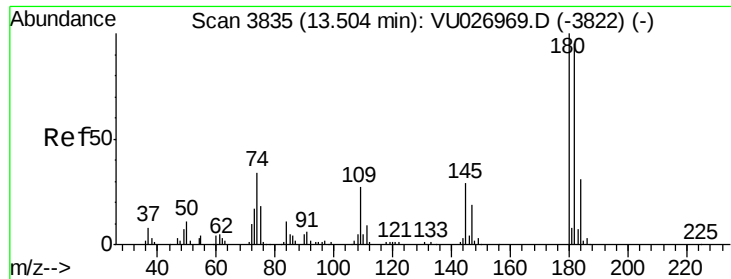


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

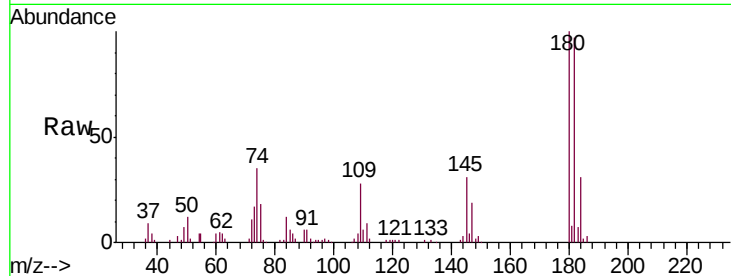




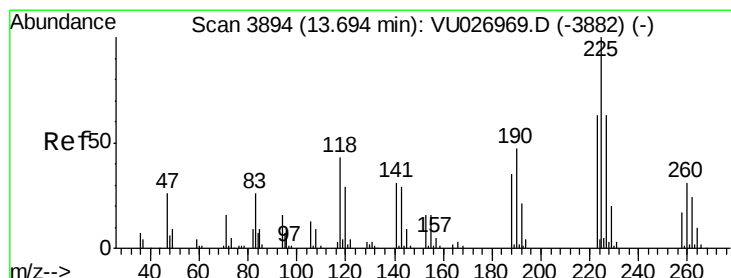
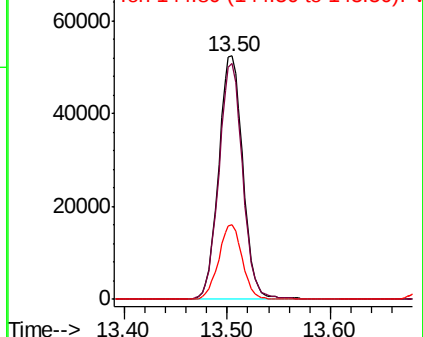
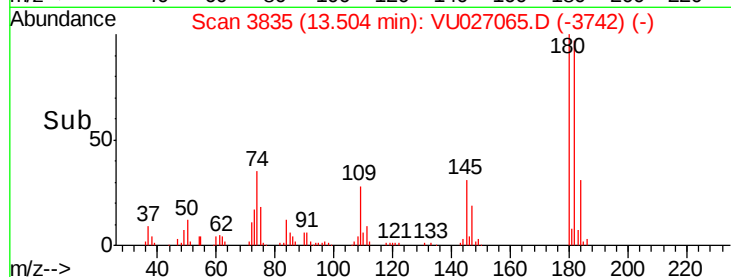
#93
 1,2,4-Trichlorobenzene
 Concen: 51.466 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU027065.D
 Acq: 23 Sep 2018 12:06

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB

Tgt Ion:180 Resp: 85688
 Ion Ratio Lower Upper
 180 100
 182 95.1 47.4 142.2
 145 29.8 14.9 44.5

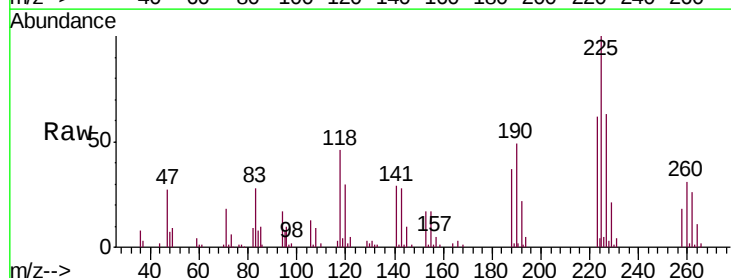


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

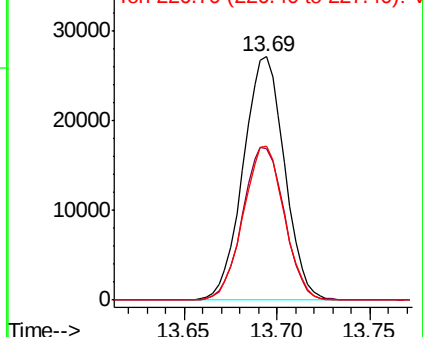
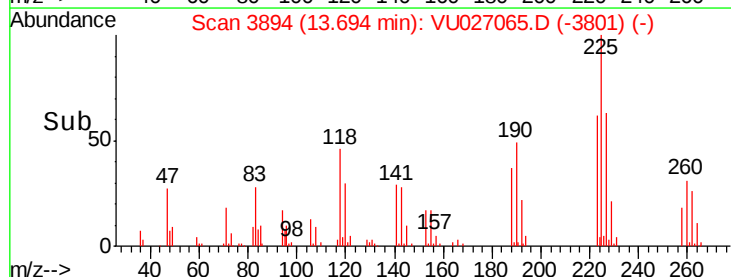


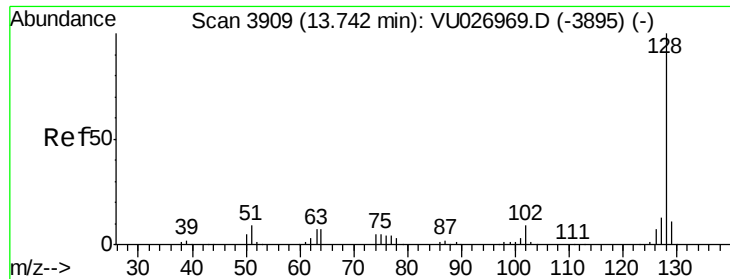
#94
 Hexachlorobutadiene
 Concen: 47.853 ug/l
 RT: 13.69 min Scan# 3894
 Delta R.T. 0.00 min
 Lab File: VU027065.D
 Acq: 23 Sep 2018 12:06

Tgt Ion:225 Resp: 42156
 Ion Ratio Lower Upper
 225 100
 223 63.5 31.9 95.7
 227 62.8 32.1 96.5



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

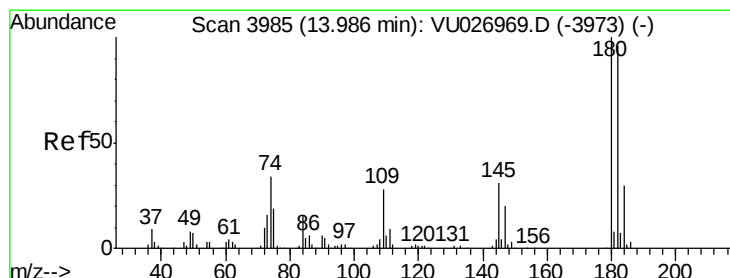
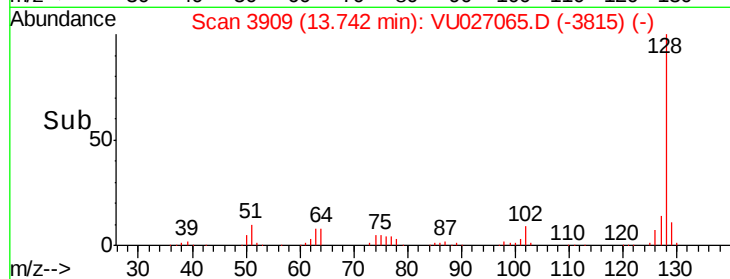
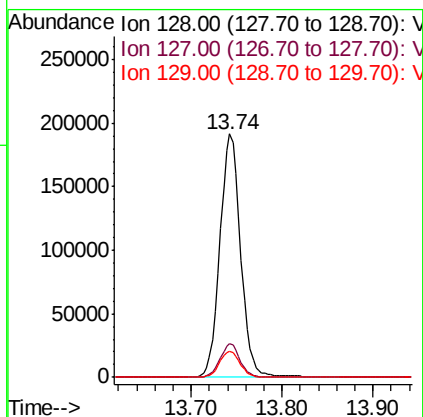
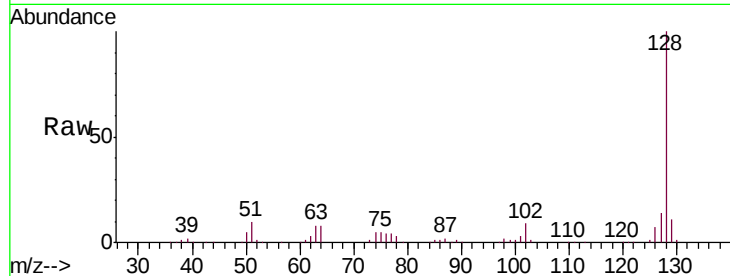




#95
Naphthalene
Concen: 46.696 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU027065.D
Acq: 23 Sep 2018 12:06

Instrument :
MSVOA_U
ClientSampled :
BFB

Tgt Ion:128 Resp: 303228
Ion Ratio Lower Upper
128 100
127 13.3 10.6 15.8
129 10.7 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 50.215 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU027065.D
Acq: 23 Sep 2018 12:06

Tgt Ion:180 Resp: 89658
Ion Ratio Lower Upper
180 100
182 95.2 47.5 142.5
145 32.0 15.4 46.4

