

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062018\
 Data File : VU024796.D
 Acq On : 21 Jun 2018 07:41
 Operator : MD/SY
 Sample : J3585-03MS
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB

Quant Time: Jun 21 08:54:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	173476	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	270943	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	260712	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	157366	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	126209	44.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.12%	
35) Dibromofluoromethane	4.89	113	104472	46.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.92%	
50) Toluene-d8	7.57	98	374429	45.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.30%	
62) 4-Bromofluorobenzene	10.31	95	147883	45.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	90656	41.751	ug/l	99
3) Chloromethane	1.33	50	98483	44.394	ug/l	99
4) Vinyl Chloride	1.40	62	104939	45.869	ug/l	98
5) Bromomethane	1.62	94	61074	55.223	ug/l	99
6) Chloroethane	1.70	64	66425	52.002	ug/l	98
7) Trichlorofluoromethane	1.89	101	163026	46.694	ug/l	98
8) Diethyl Ether	2.10	74	61415	51.755	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	2.29	101	91471	42.230	ug/l	95
10) Methyl Iodide	2.41	142	88136	48.284	ug/l	98
11) Tert butyl alcohol	2.82	59	136939	198.815	ug/l	99
12) 1,1-Dichloroethene	2.29	96	88455	44.781	ug/l	93
13) Acrolein	2.19	56	70484	194.872	ug/l	99
14) Allyl chloride	2.60	41	141206	38.501	ug/l	95
15) Acrylonitrile	2.93	53	311572	232.500	ug/l	99
16) Acetone	2.32	43	272204	178.888	ug/l	98
17) Carbon Disulfide	2.48	76	256070	40.486	ug/l	99
18) Methyl Acetate	2.61	43	143321	43.935	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	335407	45.172	ug/l	97
20) Methylene Chloride	2.70	84	103108	43.185	ug/l	98
21) trans-1,2-Dichloroethene	2.99	96	95479	43.887	ug/l	95
22) Diisopropyl ether	3.57	45	335654	46.167	ug/l	96
23) Vinyl Acetate	3.53	43	1328647	204.006	ug/l	98
24) 1,1-Dichloroethane	3.45	63	188386	45.042	ug/l	99
25) 2-Butanone	4.26	43	442495	216.494	ug/l	96
26) 2,2-Dichloropropane	4.23	77	110519	27.828	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	115250	46.078	ug/l	94
28) Bromochloromethane	4.55	49	85513	46.418	ug/l	88
29) Tetrahydrofuran	4.63	42	287242	226.938	ug/l	97
30) Chloroform	4.68	83	199479	47.121	ug/l	100
31) Cyclohexane	5.00	56	169244	45.385	ug/l	95
32) 1,1,1-Trichloroethane	4.92	97	177252	45.279	ug/l	97
36) 1,1-Dichloropropene	5.14	75	145155	45.592	ug/l	98
37) Ethyl Acetate	4.38	43	152670	43.996	ug/l	97
38) Carbon Tetrachloride	5.14	117	161492	46.126	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	172714	43.471	ug/l	97
40) Benzene	5.39	78	426839	47.050	ug/l	99
41) Methacrylonitrile	4.54	41	93018	49.717	ug/l	97
42) 1,2-Dichloroethane	5.41	62	168978	48.905	ug/l	100
43) Isopropyl Acetate	5.55	43	259386	43.244	ug/l	98
44) Trichloroethene	6.19	130	118393	45.855	ug/l	95
45) 1,2-Dichloropropane	6.44	63	116286	48.039	ug/l	96
46) Dibromomethane	6.56	93	81870	48.151	ug/l	95
47) Bromodichloromethane	6.76	83	158666	46.863	ug/l	99
48) Methyl methacrylate	6.62	41	136684	46.797	ug/l	97
49) 1,4-Dioxane	6.61	88	60856	1065.415	ug/l	95
51) 4-Methyl-2-Pentanone	7.46	43	898849	238.523	ug/l	99
52) Toluene	7.64	92	276064	47.299	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	163497	43.000	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	169656	41.875	ug/l	97
55) 1,1,2-Trichloroethane	8.07	97	116182	48.970	ug/l	98
56) Ethyl methacrylate	8.02	69	187273	47.160	ug/l	98
57) 1,3-Dichloropropane	8.25	76	195017	48.727	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.11	63	437	0.287	ug/l #	50
59) 2-Hexanone	8.36	43	710484	230.936	ug/l	99
60) Dibromochloromethane	8.48	129	134841	45.577	ug/l	99
61) 1,2-Dibromoethane	8.59	107	126805	48.020	ug/l	98
64) Tetrachloroethene	8.23	164	103393	41.721	ug/l	97
65) Chlorobenzene	9.12	112	316962	47.590	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	118583	46.864	ug/l	98
67) Ethyl Benzene	9.25	91	545352	46.707	ug/l	98
68) m/p-Xylenes	9.38	106	425825	94.975	ug/l	97
69) o-Xylene	9.78	106	211057	47.565	ug/l	97
70) Styrene	9.80	104	344288	47.216	ug/l	99
71) Bromoform	9.96	173	108183	44.981	ug/l #	98
73) Isopropylbenzene	10.17	105	570666	47.233	ug/l	99
74) N-amyl acetate	10.01	43	234422	40.792	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	193602	47.818	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	214942	62.039	ug/l	84
77) Bromobenzene	10.45	156	148132	48.430	ug/l	94
78) n-propylbenzene	10.59	91	645165	45.331	ug/l	98
79) 2-Chlorotoluene	10.66	91	388409	46.277	ug/l	98
80) 1,3,5-Trimethylbenzene	10.78	105	490375	46.828	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.50	75	214942	143.584	ug/l #	100
82) 4-Chlorotoluene	10.78	91	452378	46.309	ug/l	99
83) tert-Butylbenzene	11.10	119	497437	49.382	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	507622	47.566	ug/l	99
85) sec-Butylbenzene	11.33	105	588800	46.697	ug/l	98
86) p-Isopropyltoluene	11.48	119	525163	46.504	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	267444	47.327	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	273658	48.114	ug/l	99
89) n-Butylbenzene	11.89	91	433983	43.286	ug/l	97
90) Hexachloroethane	12.15	117	95865	43.516	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	277166	48.968	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	51537	46.133	ug/l	92

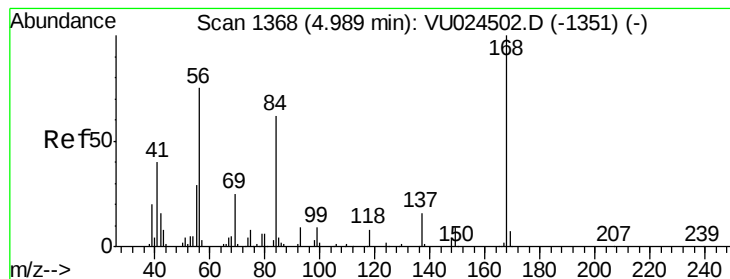
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Quant Title : SW846 8260
QLast Update : Wed Jun 13 13:55:26 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	184987	52.925	ug/l	100
94) Hexachlorobutadiene	13.70	225	90143	45.820	ug/l	99
95) Naphthalene	13.74	128	611909	52.843	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	195045	56.002	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU024796.D

Acq: 21 Jun 2018 07:41

Instrument :

MSVOA_U

ClientSampleId :

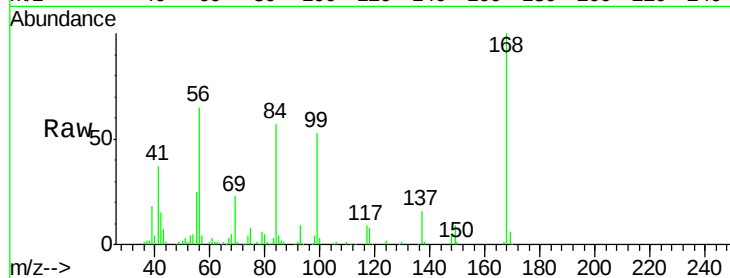
BFB

Tgt Ion:168 Resp: 173476

Ion Ratio Lower Upper

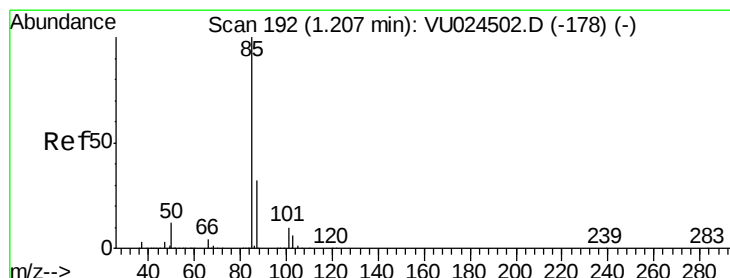
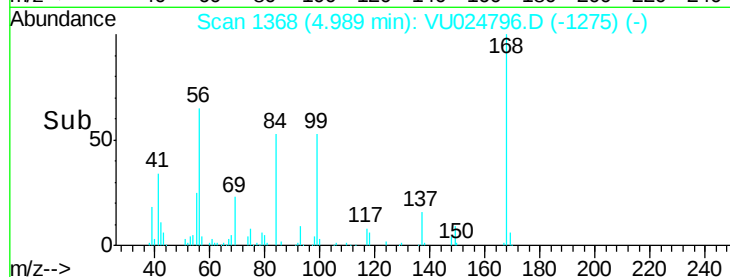
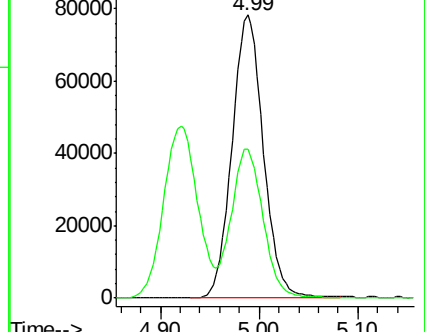
168 100

99 52.2 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): VU024502.D (-1351) (-)

Ion 98.90 (98.60 to 99.60): VU024502.D (-1351) (-)



#2

Dichlorodifluoromethane

Concen: 41.751 ug/l

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU024796.D

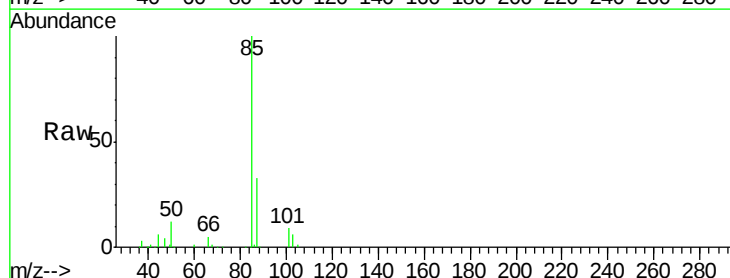
Acq: 21 Jun 2018 07:41

Tgt Ion: 85 Resp: 90656

Ion Ratio Lower Upper

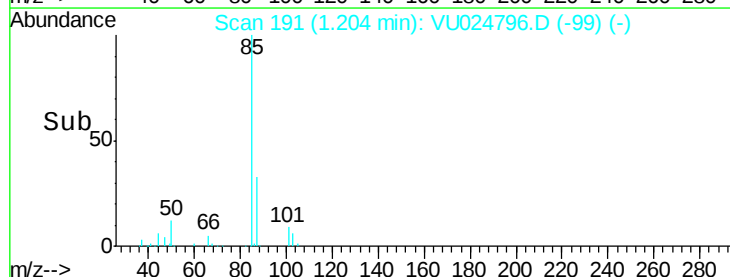
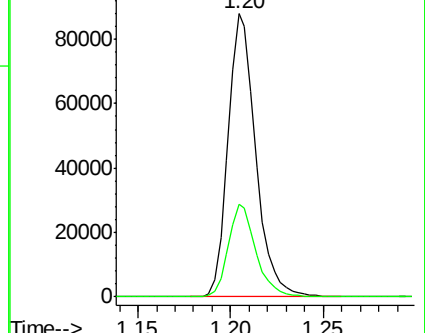
85 100

87 32.7 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VU024502.D (-178) (-)

Ion 86.90 (86.60 to 87.60): VU024502.D (-178) (-)





#3

Chloromethane

Concen: 44.394 ug/l

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU024796.D

Acq: 21 Jun 2018 07:41

Instrument :

MSVOA_U

ClientSampleId :

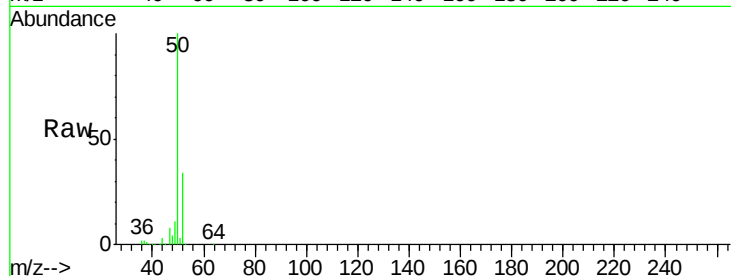
BFB

Tgt Ion: 50 Resp: 98483

Ion Ratio Lower Upper

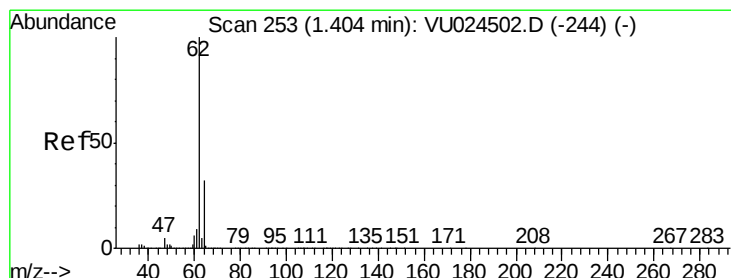
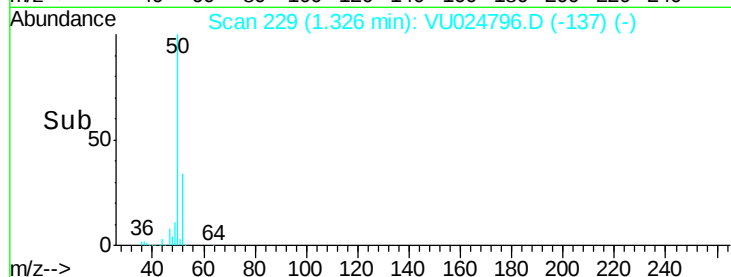
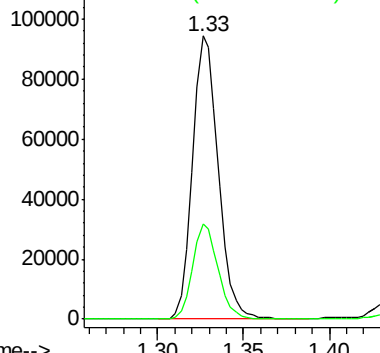
50 100

52 33.7 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 45.869 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU024796.D

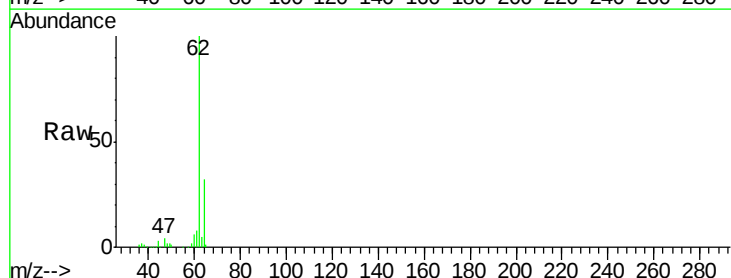
Acq: 21 Jun 2018 07:41

Tgt Ion: 62 Resp: 104939

Ion Ratio Lower Upper

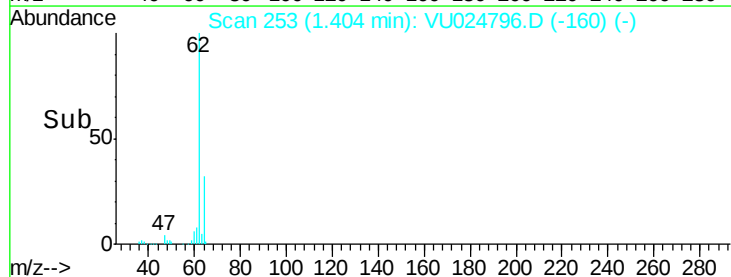
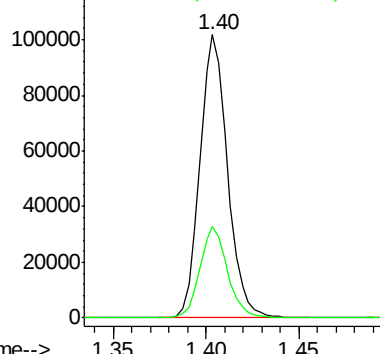
62 100

64 31.9 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 55.223 ug/l

RT: 1.62 min Scan# 321

Delta R.T. 0.00 min

Lab File: VU024796.D

Acq: 21 Jun 2018 07:41

Instrument :

MSVOA_U

ClientSampled :

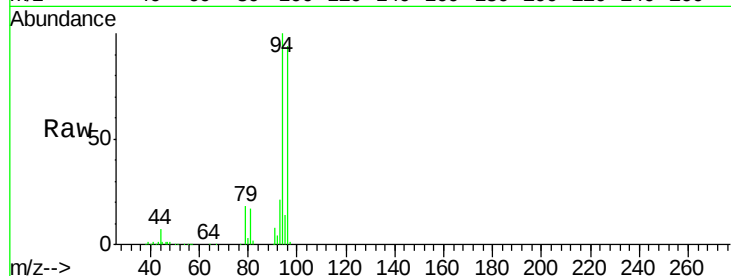
BFB

Tgt Ion: 94 Resp: 61074

Ion Ratio Lower Upper

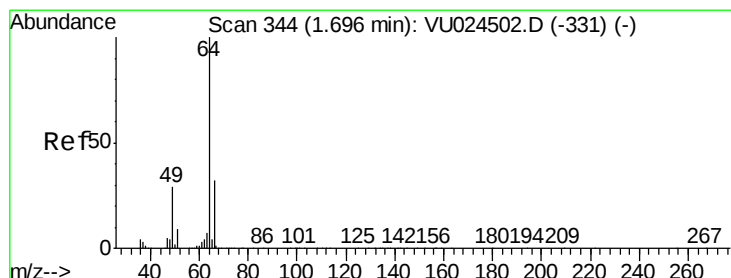
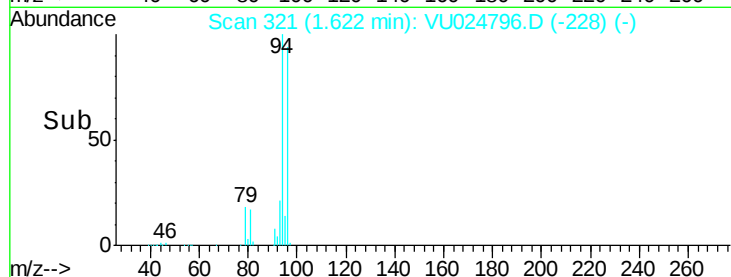
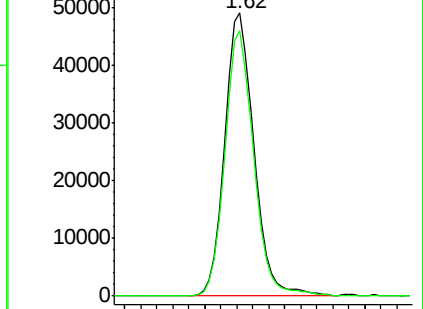
94 100

96 93.9 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VU024796.D (-228) (-)

Ion 95.90 (95.60 to 96.60): VU024796.D (-228) (-)



#6

Chloroethane

Concen: 52.002 ug/l

RT: 1.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VU024796.D

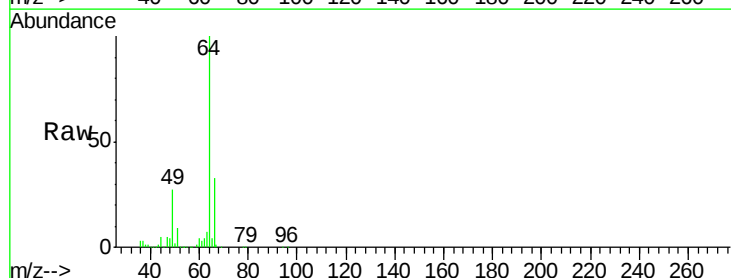
Acq: 21 Jun 2018 07:41

Tgt Ion: 64 Resp: 66425

Ion Ratio Lower Upper

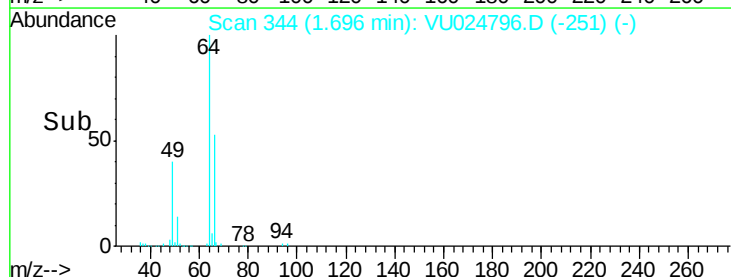
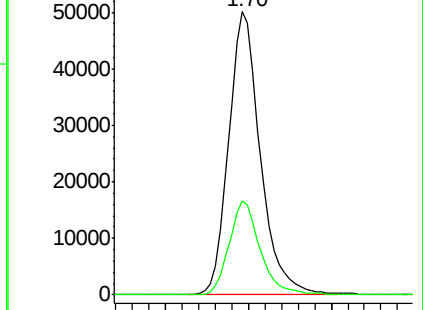
64 100

66 33.1 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VU024796.D (-251) (-)

Ion 65.90 (65.60 to 66.60): VU024796.D (-251) (-)



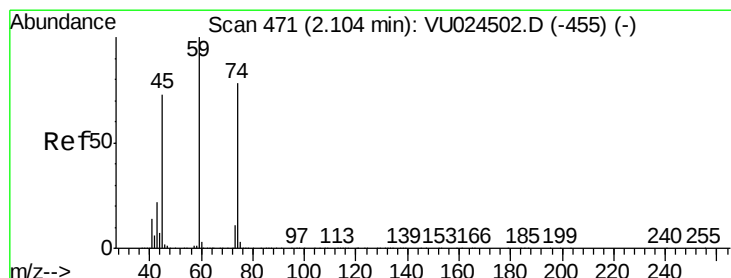
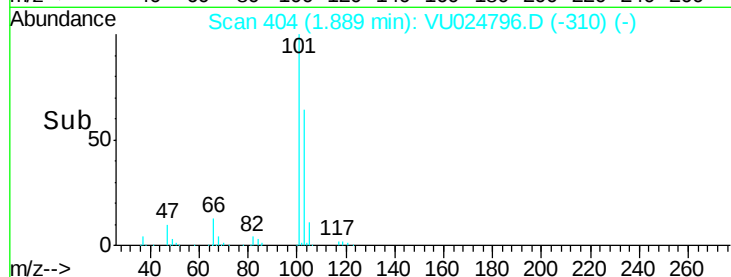
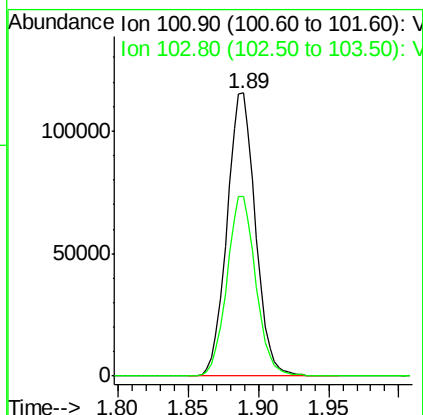
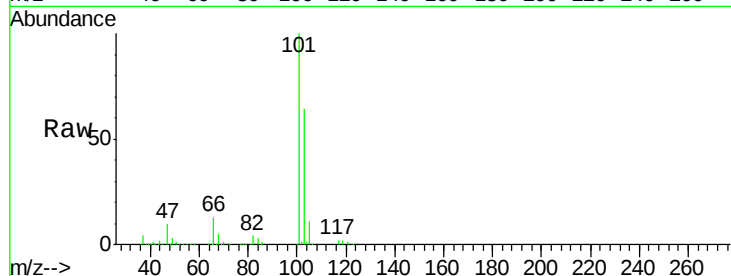


#7

Trichlorofluoromethane
Concen: 46.694 ug/l
RT: 1.89 min Scan# 404
Delta R.T. 0.00 min
Lab File: VU024796.D
Acq: 21 Jun 2018 07:41

Instrument :
MSVOA_U
ClientSampleId :
BFB

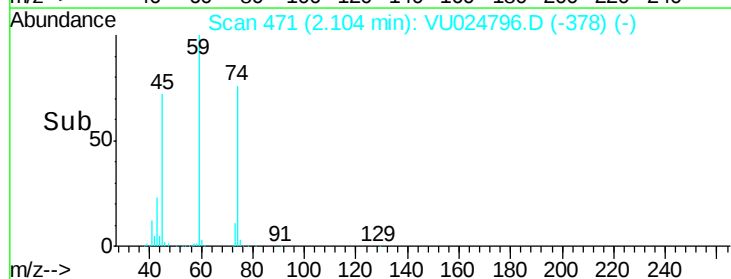
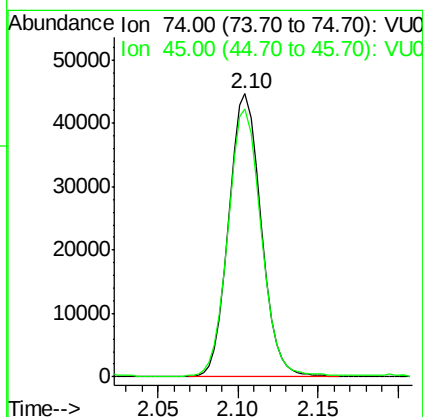
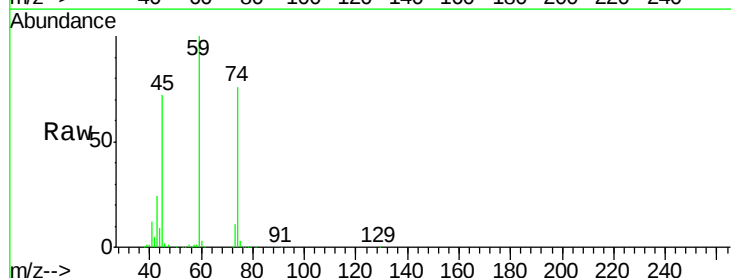
Tgt Ion:101 Resp: 163026
Ion Ratio Lower Upper
101 100
103 63.7 52.3 78.5



#8

Diethyl Ether
Concen: 51.755 ug/l
RT: 2.10 min Scan# 471
Delta R.T. 0.00 min
Lab File: VU024796.D
Acq: 21 Jun 2018 07:41

Tgt Ion: 74 Resp: 61415
Ion Ratio Lower Upper
74 100
45 96.6 55.0 165.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 42.230 ug/l

RT: 2.29 min Scan# 529

Delta R.T. 0.00 min

Lab File: VU024796.D

Acq: 21 Jun 2018 07:41

Instrument :

MSVOA_U

ClientSampleId :

BFB

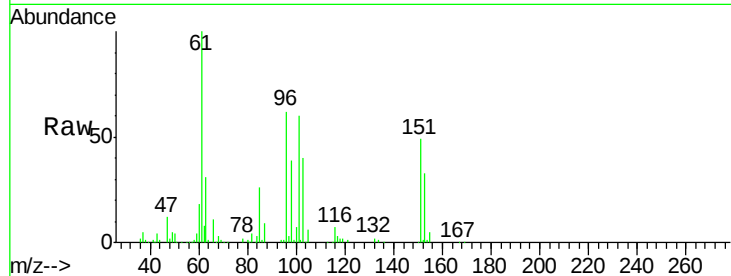
Tgt Ion:101 Resp: 91471

Ion Ratio Lower Upper

101 100

85 44.6 36.0 54.0

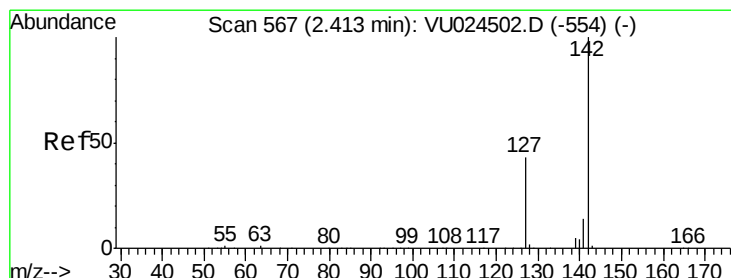
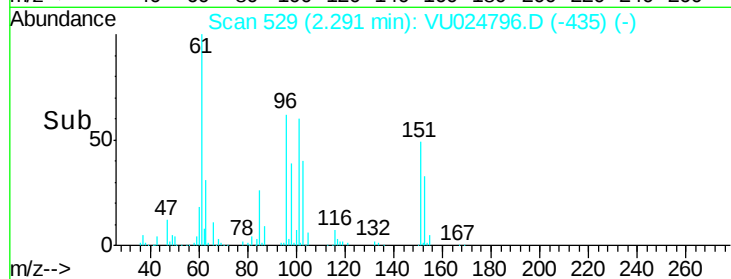
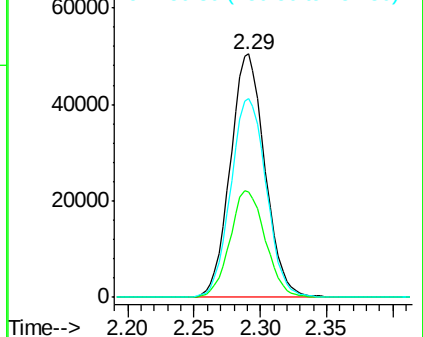
151 83.9 62.3 93.5



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: 48.284 ug/l

RT: 2.41 min Scan# 567

Delta R.T. 0.00 min

Lab File: VU024796.D

Acq: 21 Jun 2018 07:41

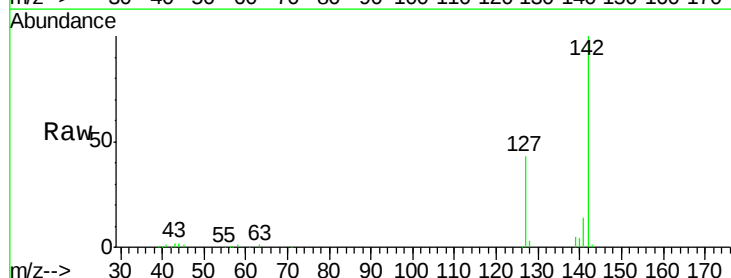
Tgt Ion:142 Resp: 88136

Ion Ratio Lower Upper

142 100

127 42.6 35.6 53.4

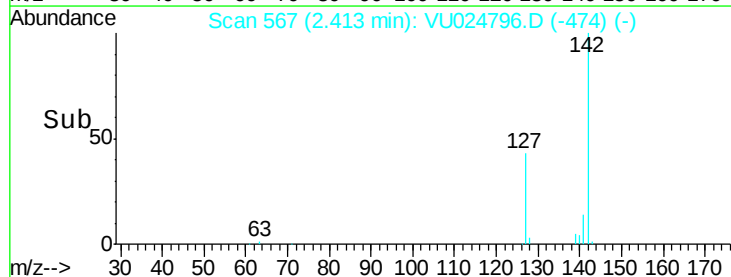
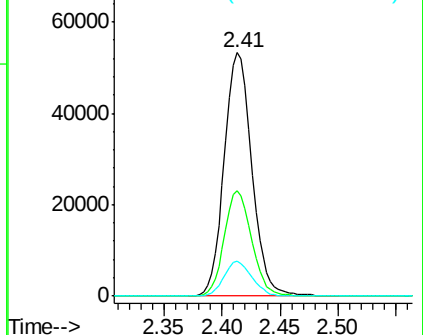
141 14.4 11.7 17.5



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



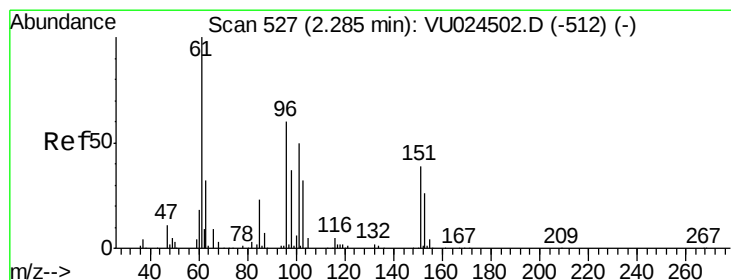
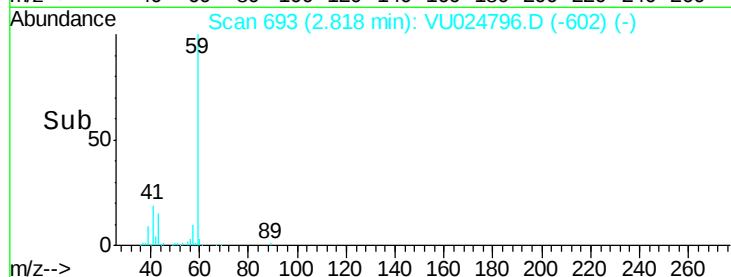
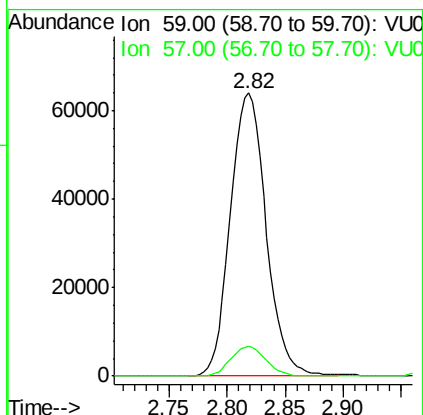
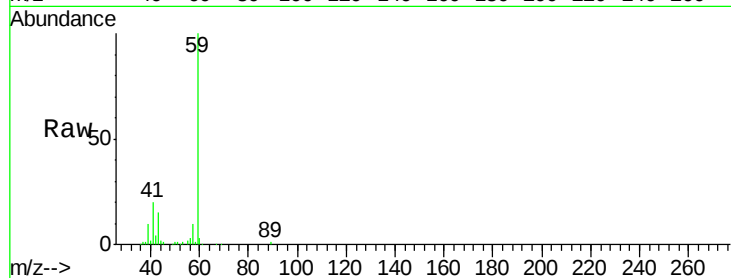


#11

Tert butyl alcohol
 Concen: 198.815 ug/l
 RT: 2.82 min Scan# 693
 Delta R.T. -0.01 min
 Lab File: VU024796.D
 Acq: 21 Jun 2018 07:41

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB

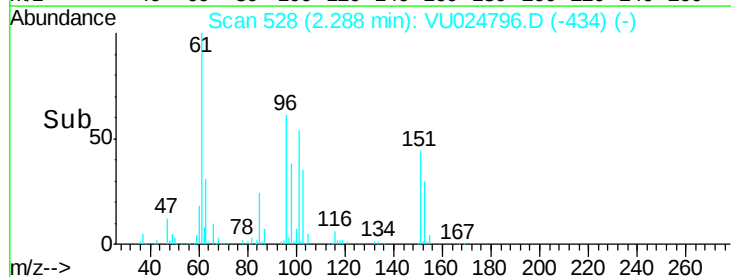
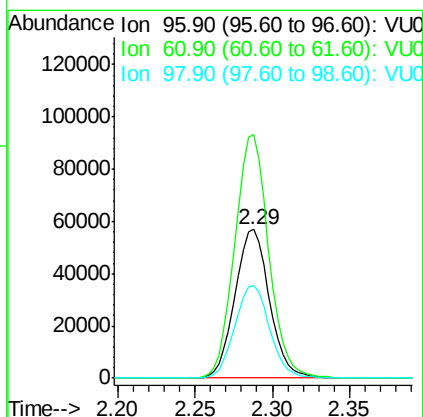
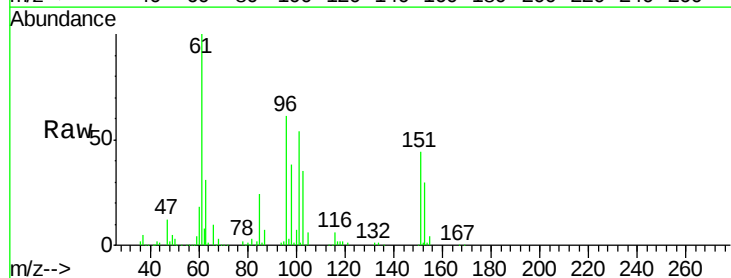
Tgt Ion: 59 Resp: 136939
 Ion Ratio Lower Upper
 59 100
 57 10.2 8.5 12.7

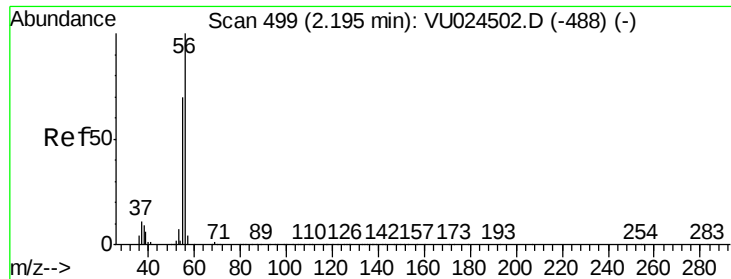


#12

1,1-Dichloroethene
 Concen: 44.781 ug/l
 RT: 2.29 min Scan# 528
 Delta R.T. 0.00 min
 Lab File: VU024796.D
 Acq: 21 Jun 2018 07:41

Tgt Ion: 96 Resp: 88455
 Ion Ratio Lower Upper
 96 100
 61 164.0 141.7 212.5
 98 62.6 51.6 77.4





#13

Acrolein

Concen: 194.872 ug/l

RT: 2.19 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU024796.D

Acq: 21 Jun 2018 07:41

Instrument :

MSVOA_U

ClientSampleId :

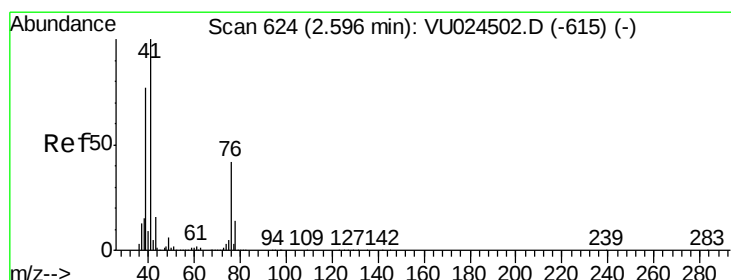
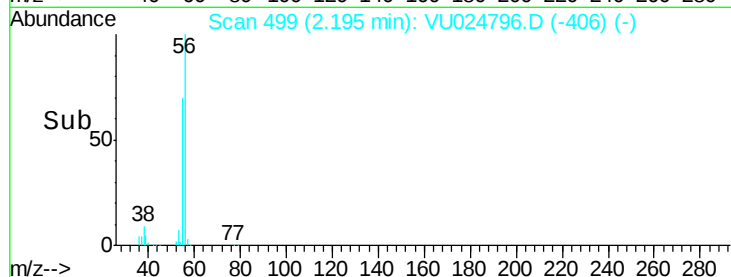
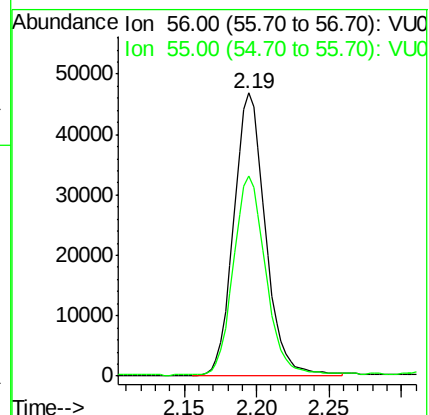
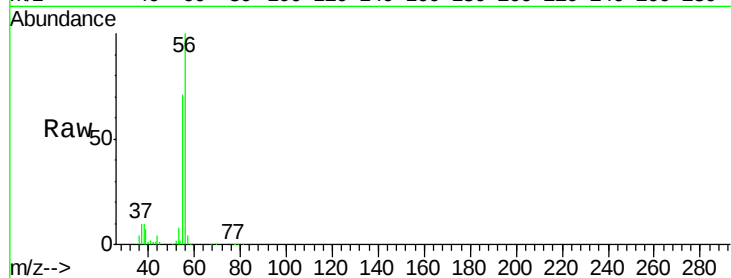
BFB

Tgt Ion: 56 Resp: 70484

Ion Ratio Lower Upper

56 100

55 72.2 58.4 87.6



#14

Allyl chloride

Concen: 38.501 ug/l

RT: 2.60 min Scan# 624

Delta R.T. 0.00 min

Lab File: VU024796.D

Acq: 21 Jun 2018 07:41

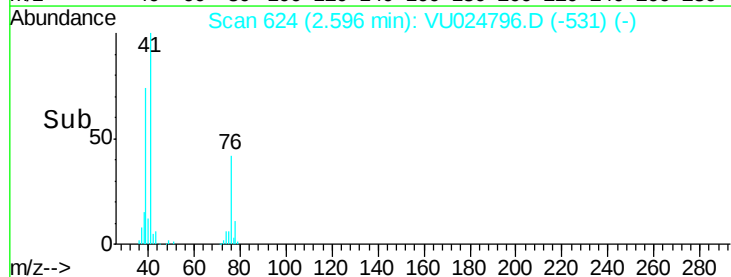
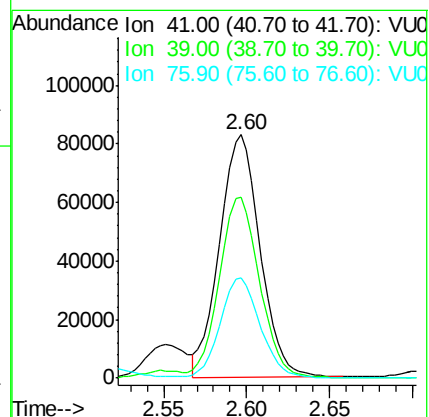
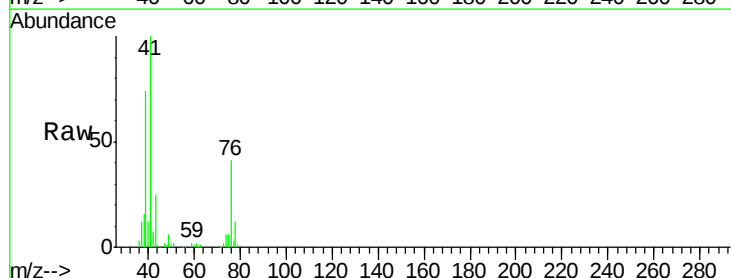
Tgt Ion: 41 Resp: 141206

Ion Ratio Lower Upper

41 100

39 73.4 61.6 92.4

76 40.4 29.7 44.5





#15

Acrylonitrile

Concen: 232.500 ug/l

RT: 2.93 min Scan# 729

Delta R.T. -0.00 min

Lab File: VU024796.D

Acq: 21 Jun 2018 07:41

Instrument :

MSVOA_U

ClientSampled :

BFB

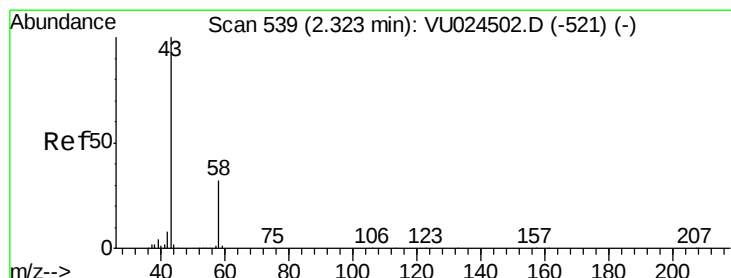
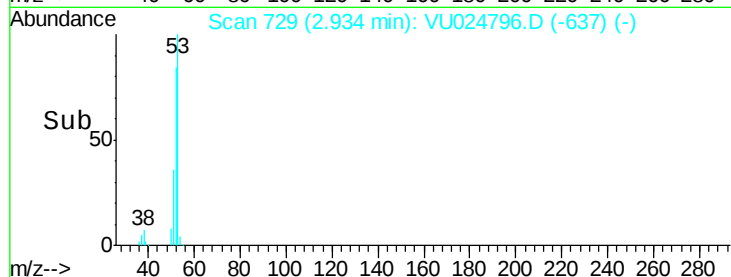
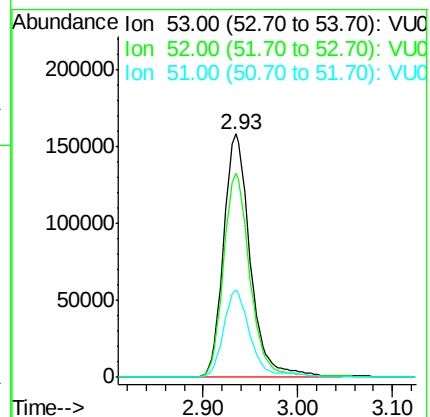
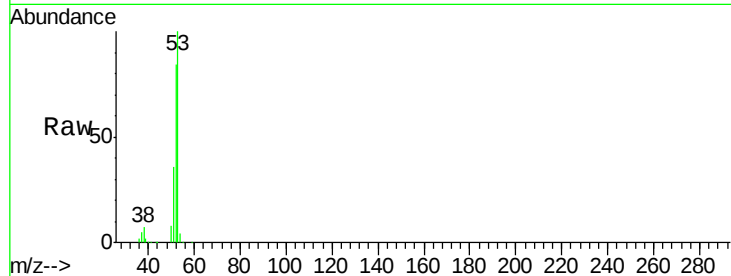
Tgt Ion: 53 Resp: 311572

Ion Ratio Lower Upper

53 100

52 83.1 67.1 100.7

51 36.1 28.4 42.6



#16

Acetone

Concen: 178.888 ug/l

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU024796.D

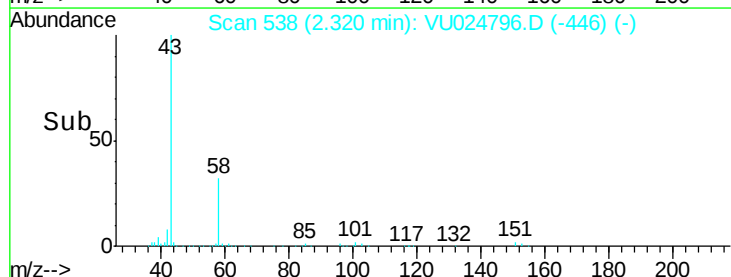
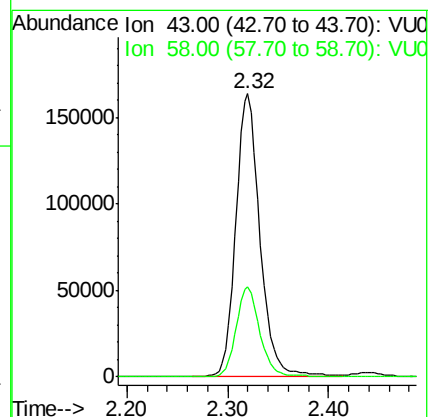
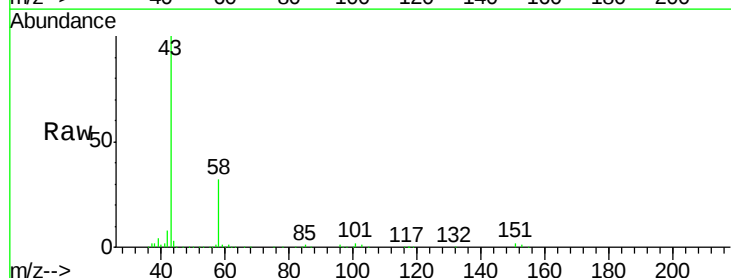
Acq: 21 Jun 2018 07:41

Tgt Ion: 43 Resp: 272204

Ion Ratio Lower Upper

43 100

58 31.8 24.4 36.6





#17

Carbon Disulfide

Concen: 40.486 ug/l

RT: 2.48 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU024796.D

Acq: 21 Jun 2018 07:41

Instrument :

MSVOA_U

ClientSampleId :

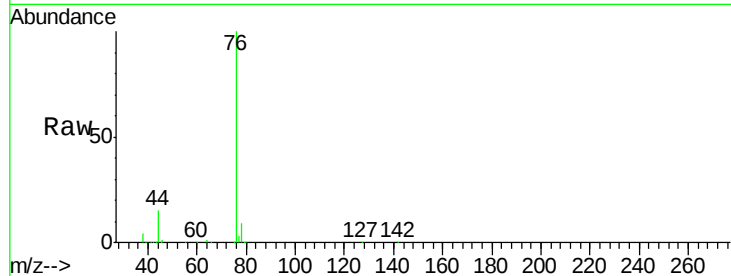
BFB

Tgt Ion: 76 Resp: 256070

Ion Ratio Lower Upper

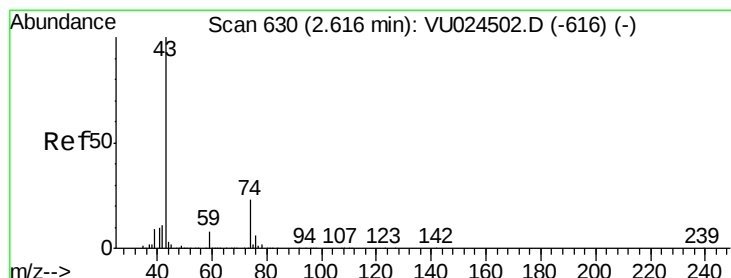
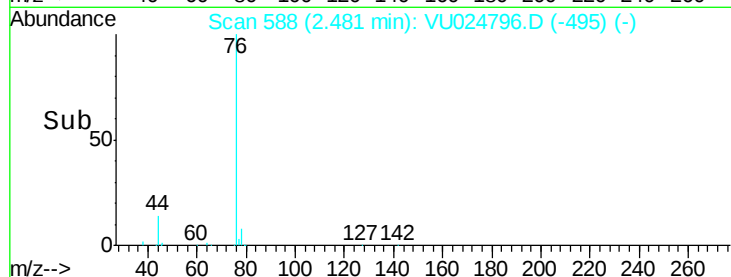
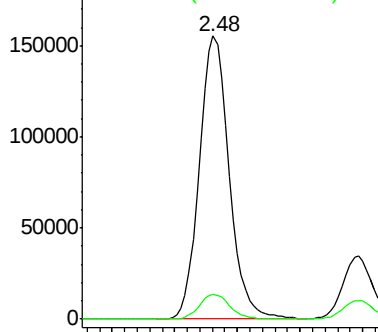
76 100

78 8.6 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#18

Methyl Acetate

Concen: 43.935 ug/l

RT: 2.61 min Scan# 629

Delta R.T. -0.00 min

Lab File: VU024796.D

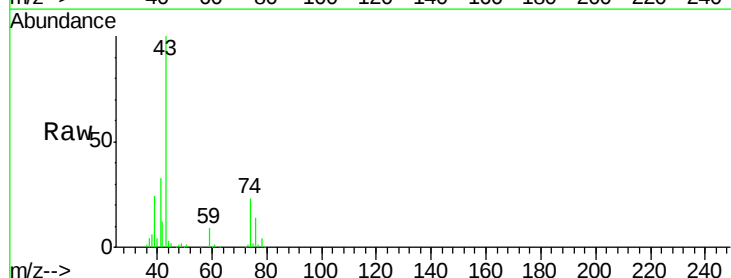
Acq: 21 Jun 2018 07:41

Tgt Ion: 43 Resp: 143321

Ion Ratio Lower Upper

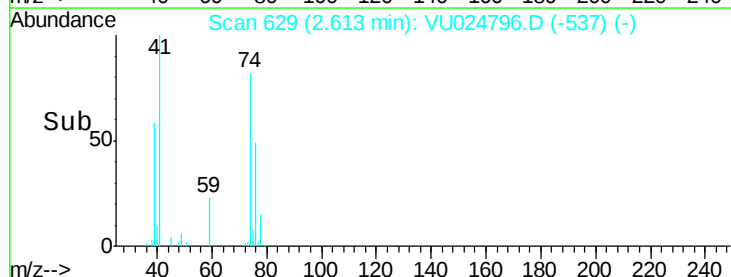
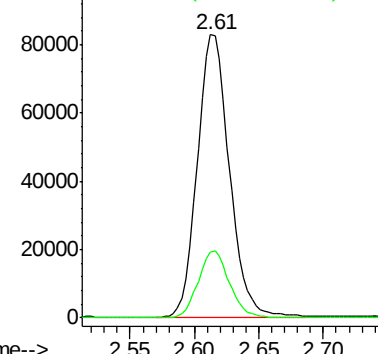
43 100

74 23.1 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

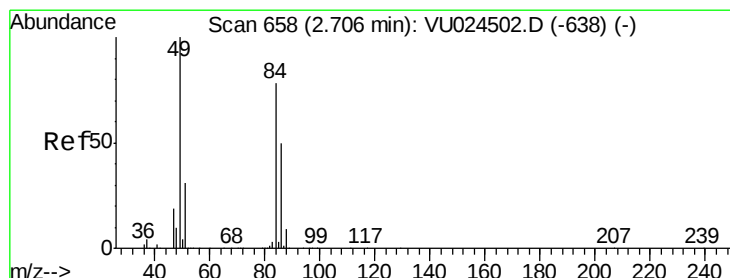
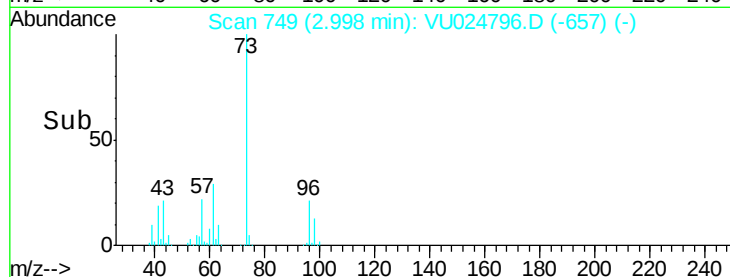
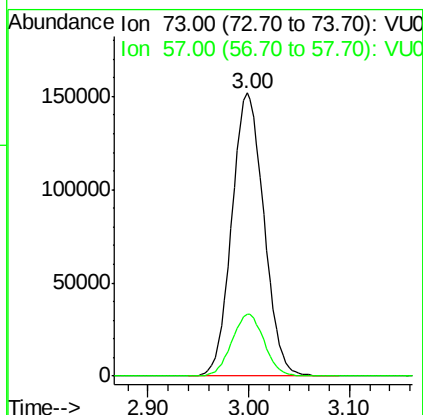
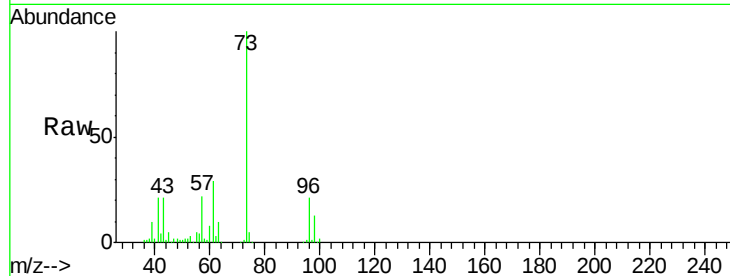




#19
Methyl tert-butyl Ether
Concen: 45.172 ug/l
RT: 3.00 min Scan# 749
Delta R.T. -0.00 min
Lab File: VU024796.D
Acq: 21 Jun 2018 07:41

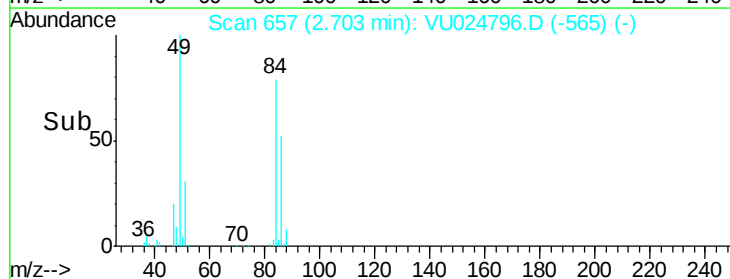
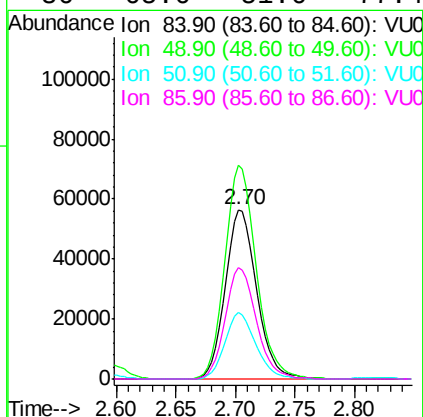
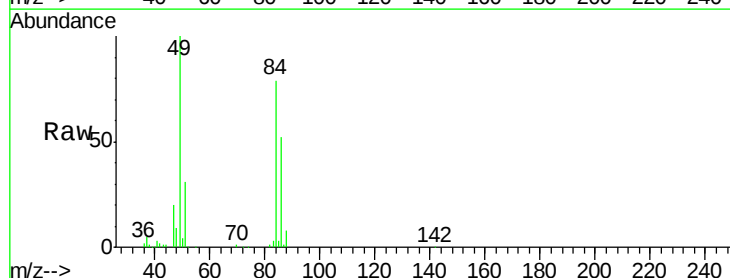
Instrument :
MSVOA_U
ClientSampleId :
BFB

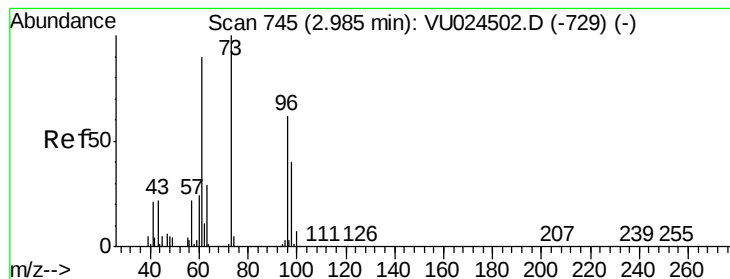
Tgt Ion: 73 Resp: 335407
Ion Ratio Lower Upper
73 100
57 22.0 18.8 28.2



#20
Methylene Chloride
Concen: 43.185 ug/l
RT: 2.70 min Scan# 657
Delta R.T. -0.00 min
Lab File: VU024796.D
Acq: 21 Jun 2018 07:41

Tgt Ion: 84 Resp: 103108
Ion Ratio Lower Upper
84 100
49 126.0 103.8 155.8
51 39.1 32.0 48.0
86 65.6 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 43.887 ug/l

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU024796.D

Acq: 21 Jun 2018 07:41

Instrument :

MSVOA_U

ClientSampleId :

BFB

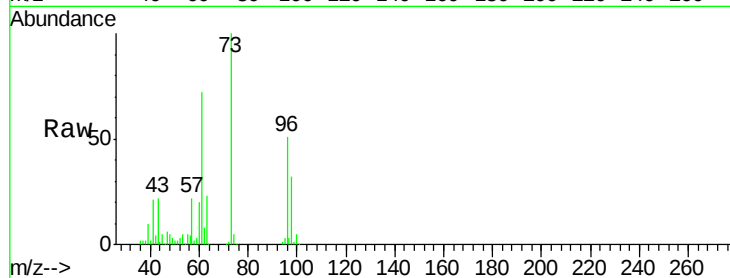
Tgt Ion: 96 Resp: 95479

Ion Ratio Lower Upper

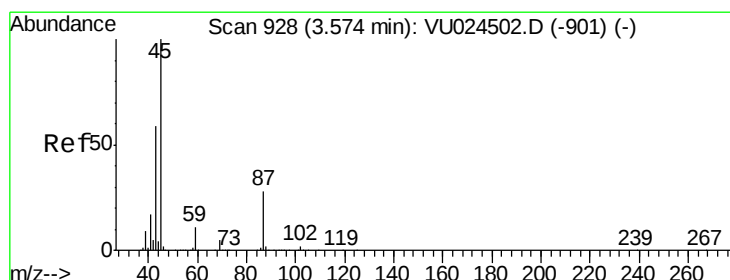
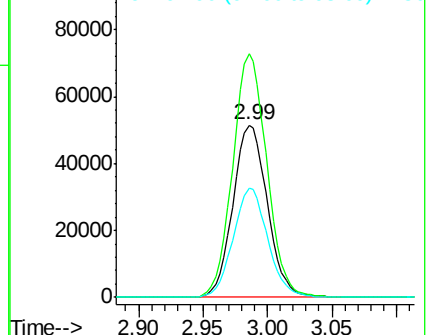
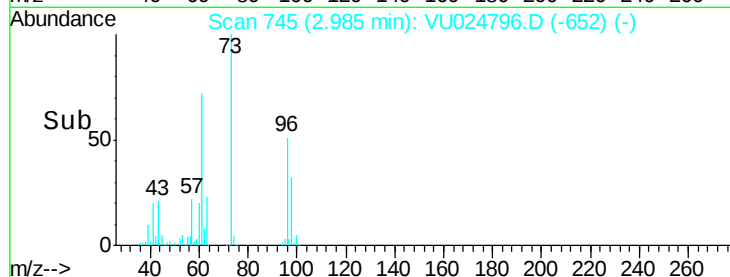
96 100

61 141.1 119.4 179.0

98 63.5 51.1 76.7



Abundance Ion 95.90 (95.60 to 96.60): VU024796.D (-652) (-)



#22

Diisopropyl ether

Concen: 46.167 ug/l

RT: 3.57 min Scan# 927

Delta R.T. -0.00 min

Lab File: VU024796.D

Acq: 21 Jun 2018 07:41

Tgt Ion: 45 Resp: 335654

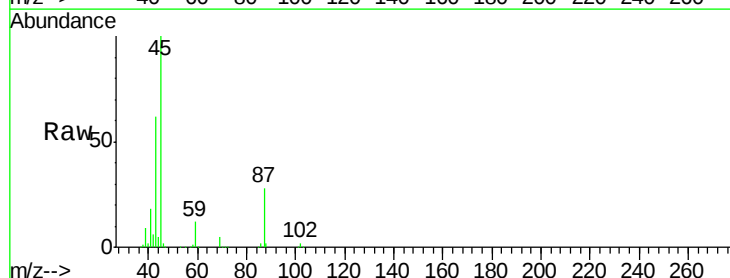
Ion Ratio Lower Upper

45 100

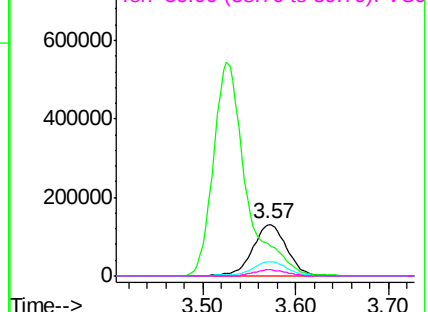
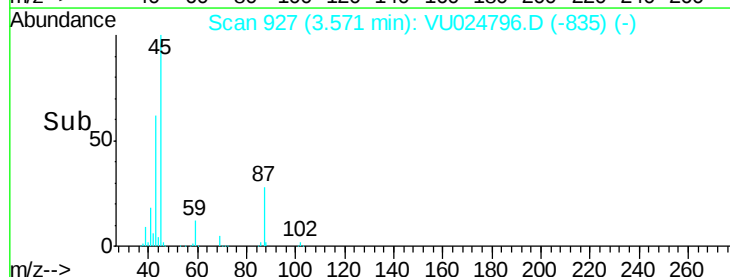
43 60.5 45.8 68.6

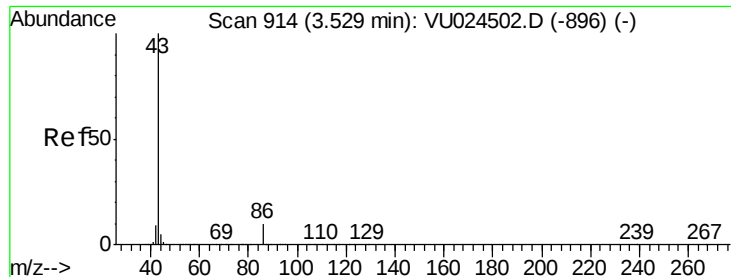
87 28.2 20.6 31.0

59 11.9 9.4 14.0



Abundance Ion 45.00 (44.70 to 45.70): VU024796.D (-835) (-)





#23

Vinyl Acetate

Concen: 204.006 ug/l

RT: 3.53 min Scan# 913

Delta R.T. -0.00 min

Lab File: VU024796.D

Acq: 21 Jun 2018 07:41

Instrument :

MSVOA_U

ClientSampleId :

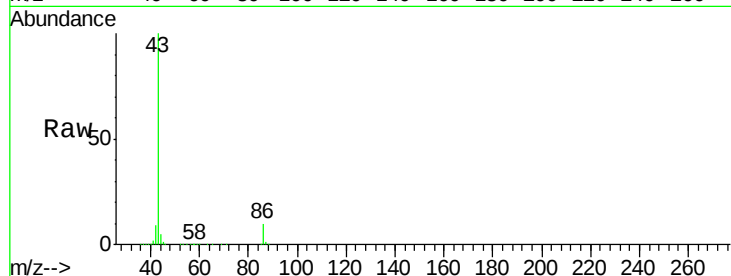
BFB

Tgt Ion: 43 Resp: 1328647

Ion Ratio Lower Upper

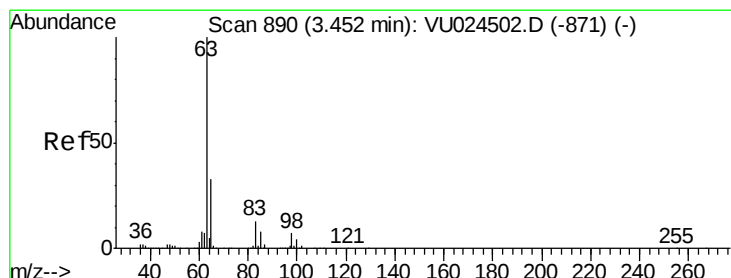
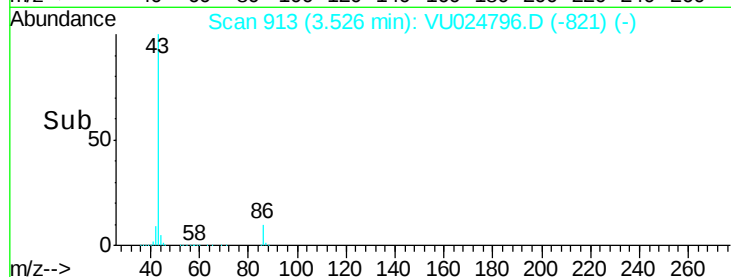
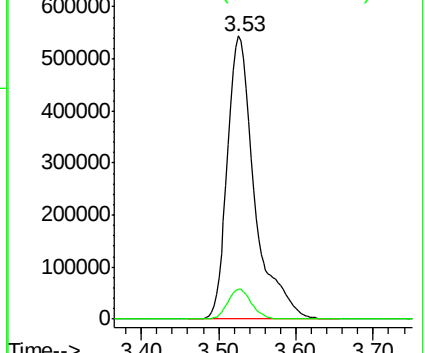
43 100

86 10.5 7.8 11.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#24

1,1-Dichloroethane

Concen: 45.042 ug/l

RT: 3.45 min Scan# 890

Delta R.T. 0.00 min

Lab File: VU024796.D

Acq: 21 Jun 2018 07:41

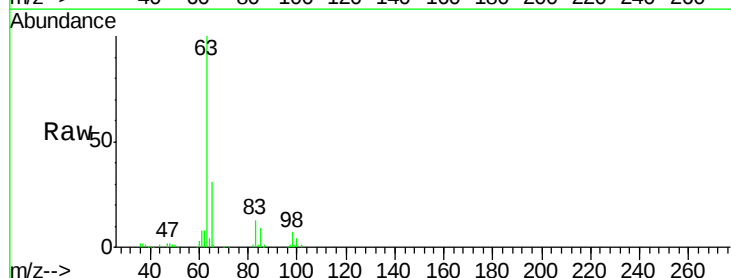
Tgt Ion: 63 Resp: 188386

Ion Ratio Lower Upper

63 100

98 6.7 3.5 10.4

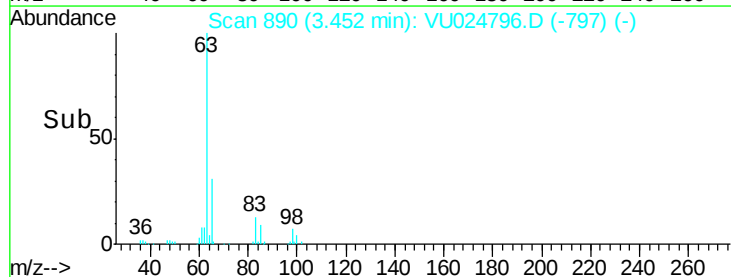
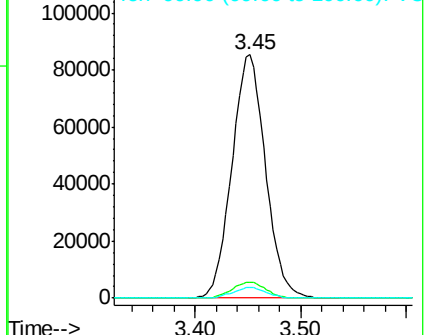
100 4.4 1.8 5.5



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0

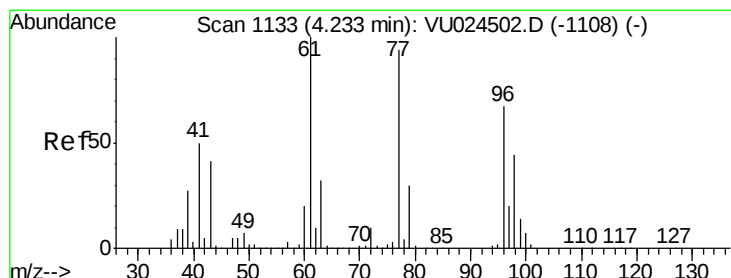
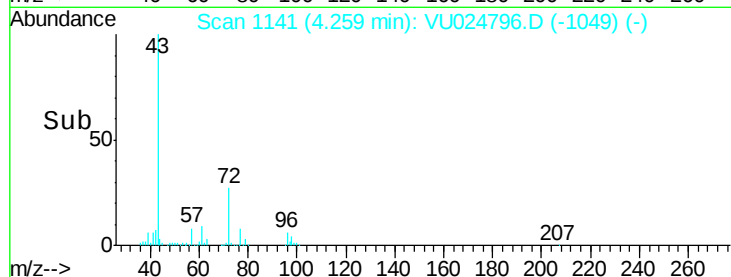
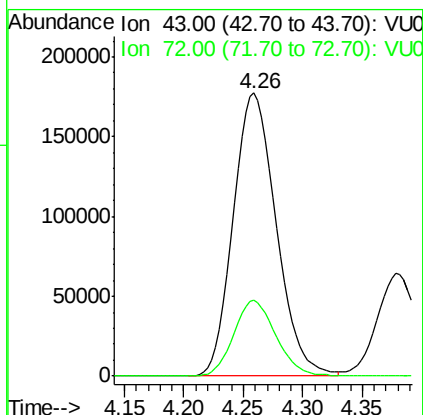
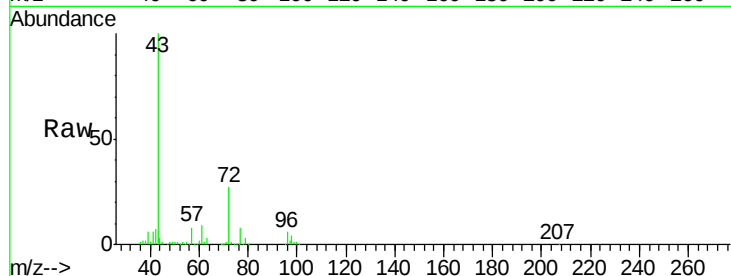




#25
2-Butanone
Concen: 216.494 ug/l
RT: 4.26 min Scan# 1141
Delta R.T. -0.00 min
Lab File: VU024796.D
Acq: 21 Jun 2018 07:41

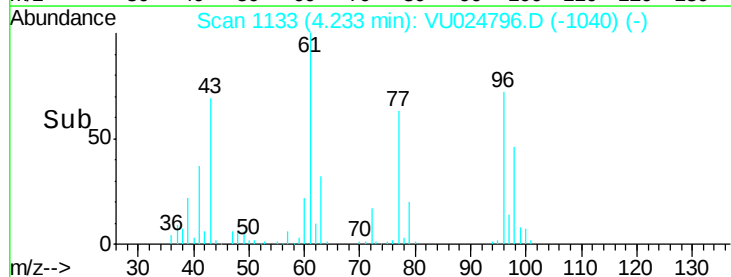
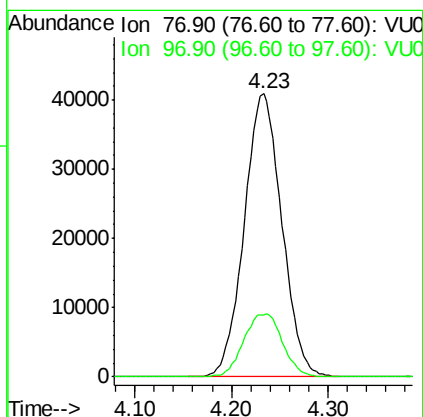
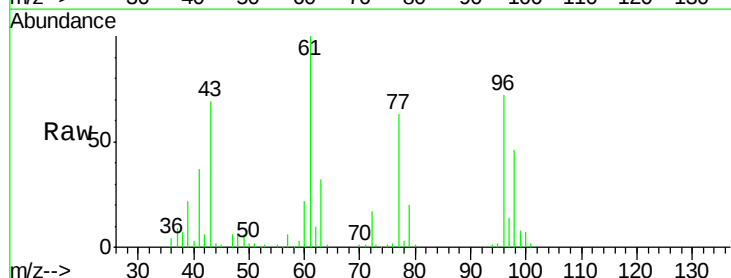
Instrument :
MSVOA_U
ClientSampled :
BFB

Tgt Ion: 43 Resp: 442495
Ion Ratio Lower Upper
43 100
72 26.7 19.6 29.4



#26
2,2-Dichloropropane
Concen: 27.828 ug/l
RT: 4.23 min Scan# 1133
Delta R.T. 0.00 min
Lab File: VU024796.D
Acq: 21 Jun 2018 07:41

Tgt Ion: 77 Resp: 110519
Ion Ratio Lower Upper
77 100
97 22.9 11.3 33.8





#27

cis-1,2-Dichloroethene

Concen: 46.078 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU024796.D

Acq: 21 Jun 2018 07:41

Instrument :

MSVOA_U

ClientSampleId :

BFB

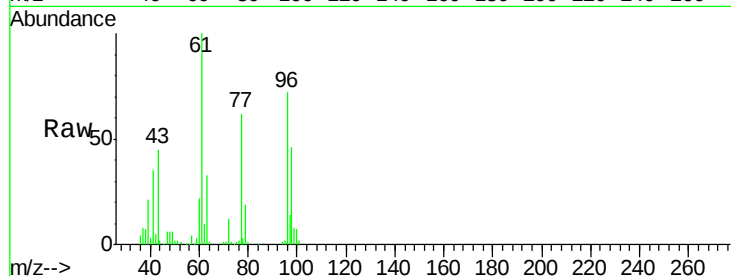
Tgt Ion: 96 Resp: 115250

Ion Ratio Lower Upper

96 100

61 142.4 0.0 306.6

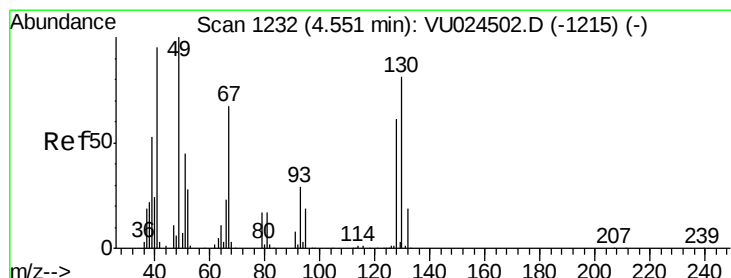
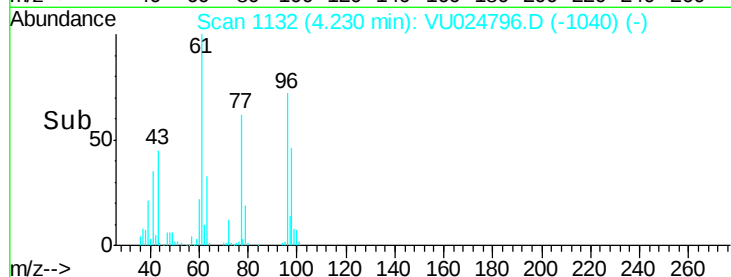
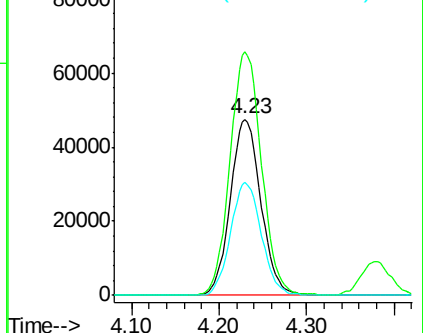
98 64.6 0.0 128.8



Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#28

Bromochloromethane

Concen: 46.418 ug/l

RT: 4.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VU024796.D

Acq: 21 Jun 2018 07:41

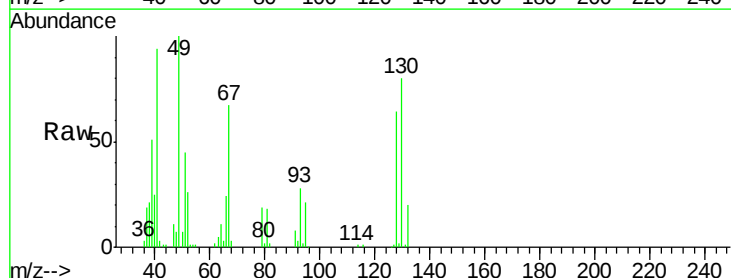
Tgt Ion: 49 Resp: 85513

Ion Ratio Lower Upper

49 100

129 2.2 0.0 3.8

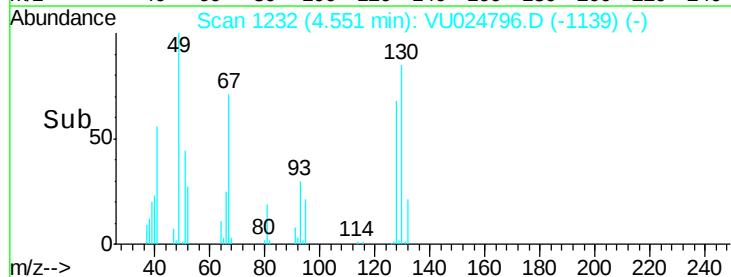
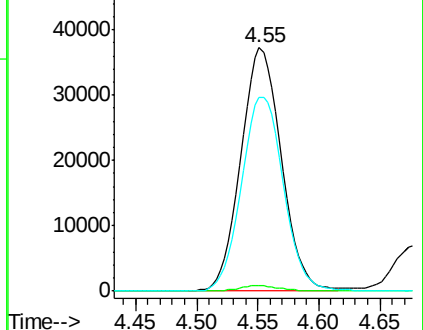
130 82.8 57.8 86.6



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: 226.938 ug/l

RT: 4.63 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VU024796.D

Acq: 21 Jun 2018 07:41

Instrument :

MSVOA_U

ClientSampleId :

BFB

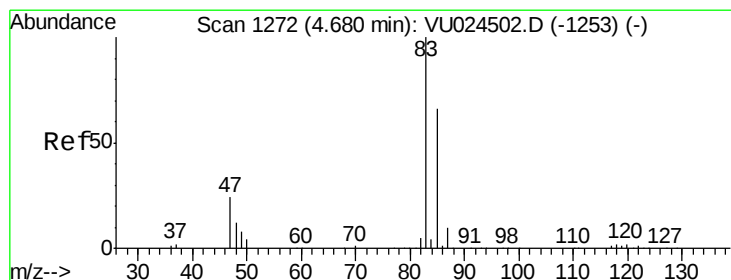
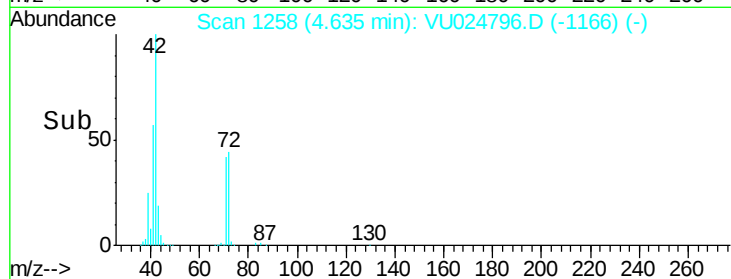
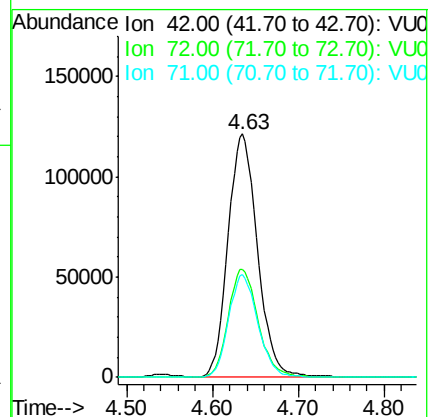
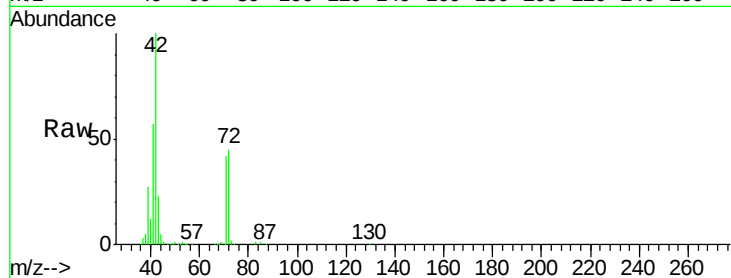
Tgt Ion: 42 Resp: 287242

Ion Ratio Lower Upper

42 100

72 45.1 34.5 51.7

71 42.1 32.2 48.4



#30

Chloroform

Concen: 47.121 ug/l

RT: 4.68 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VU024796.D

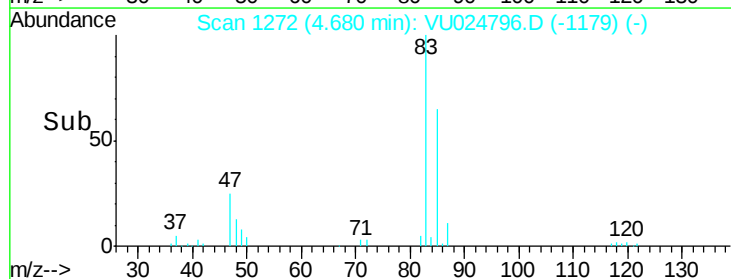
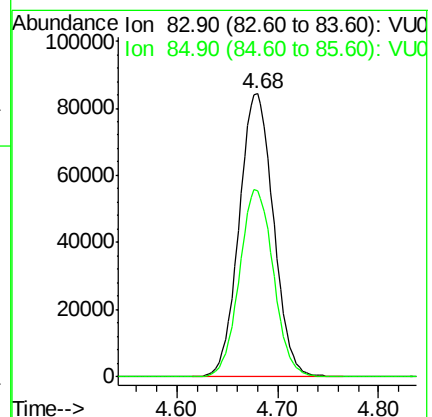
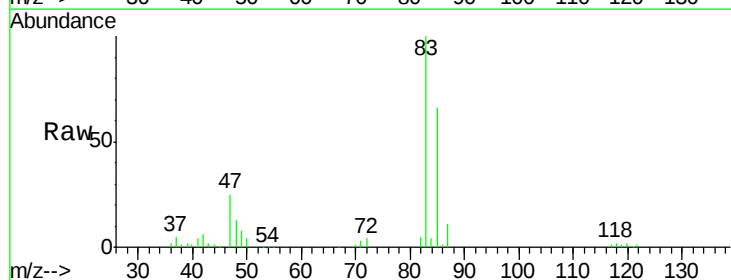
Acq: 21 Jun 2018 07:41

Tgt Ion: 83 Resp: 199479

Ion Ratio Lower Upper

83 100

85 65.7 52.4 78.6

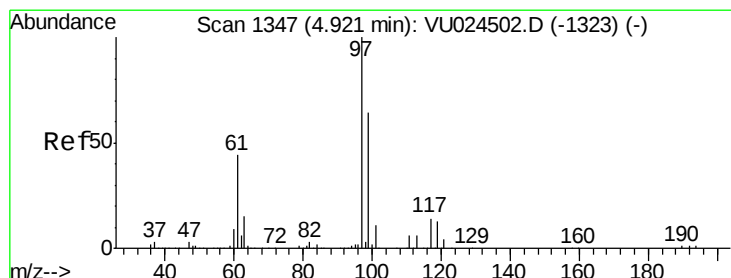
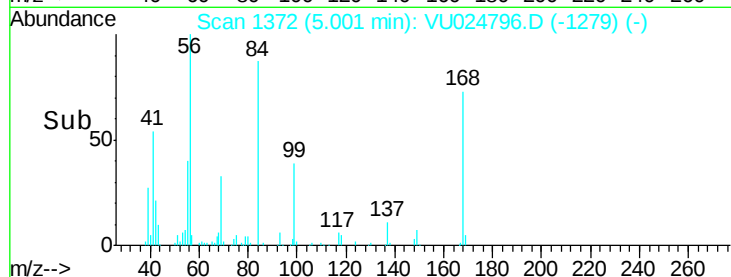
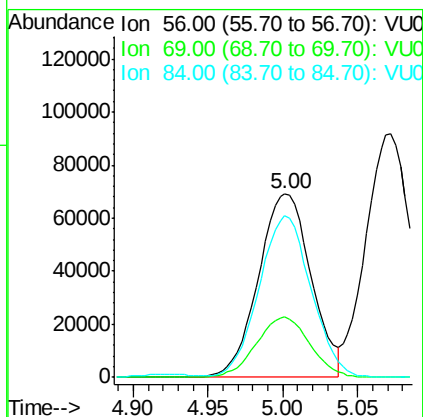
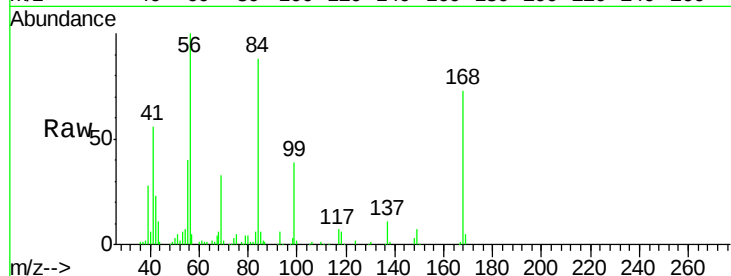




#31
Cyclohexane
Concen: 45.385 ug/l
RT: 5.00 min Scan# 1372
Delta R.T. 0.00 min
Lab File: VU024796.D
Acq: 21 Jun 2018 07:41

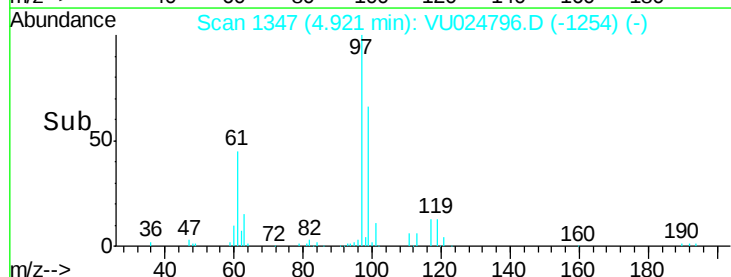
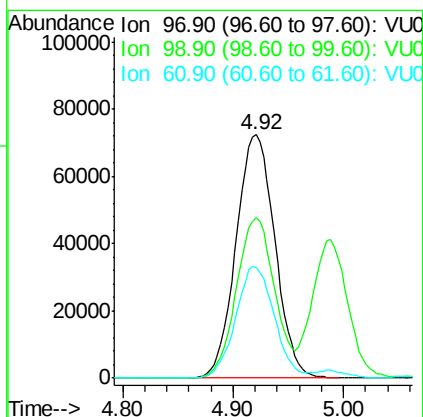
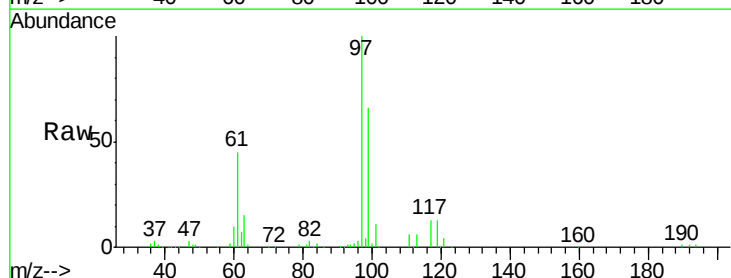
Instrument :
MSVOA_U
ClientSampled :
BFB

Tgt Ion: 56 Resp: 169244
Ion Ratio Lower Upper
56 100
69 32.9 24.8 37.2
84 87.1 65.2 97.8



#32
1,1,1-Trichloroethane
Concen: 45.279 ug/l
RT: 4.92 min Scan# 1347
Delta R.T. 0.00 min
Lab File: VU024796.D
Acq: 21 Jun 2018 07:41

Tgt Ion: 97 Resp: 177252
Ion Ratio Lower Upper
97 100
99 65.1 51.0 76.6
61 45.3 39.4 59.0

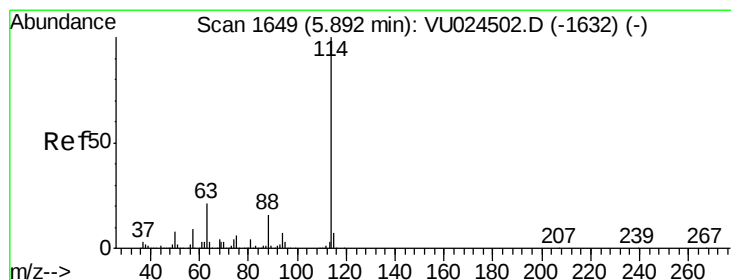
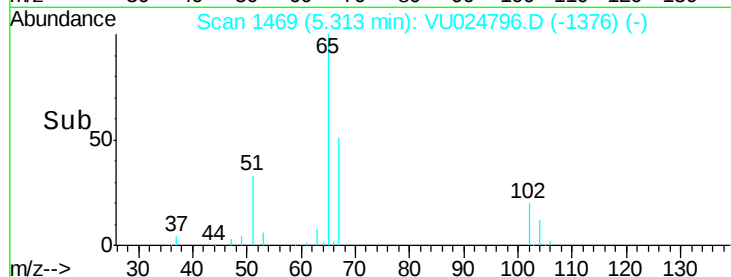
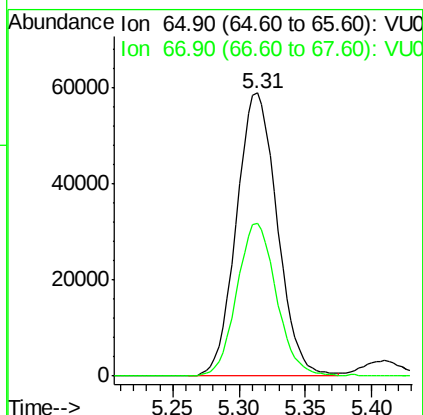
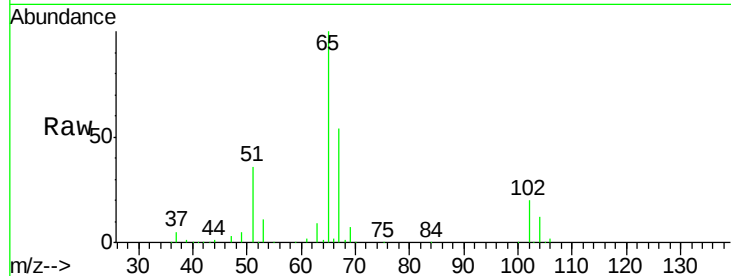




#33
 1,2-Dichloroethane-d4
 Concen: 44.565 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU024796.D
 Acq: 21 Jun 2018 07:41

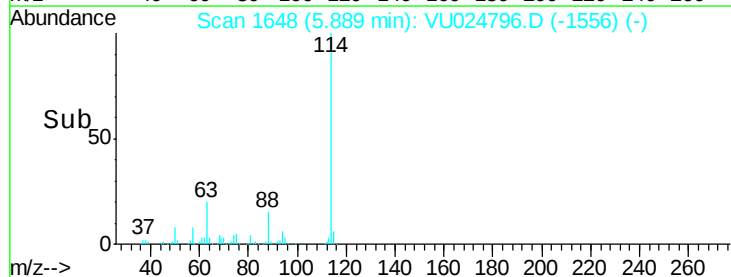
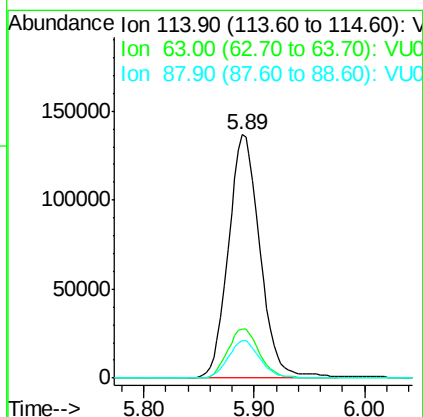
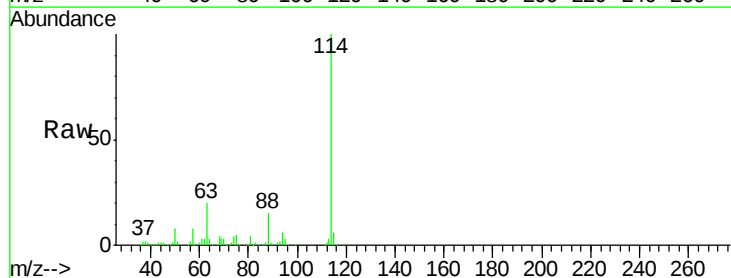
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB

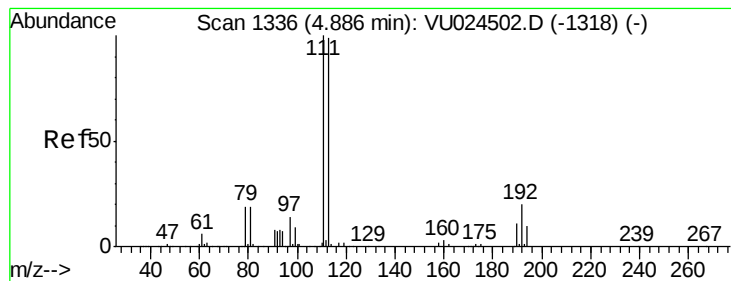
Tgt Ion: 65 Resp: 126209
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU024796.D
 Acq: 21 Jun 2018 07:41

Tgt Ion: 114 Resp: 270943
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 45.4
 88 15.4 0.0 31.0





#35

Dibromofluoromethane

Concen: 46.461 ug/l

RT: 4.89 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU024796.D

Acq: 21 Jun 2018 07:41

Instrument :

MSVOA_U

ClientSampled :

BFB

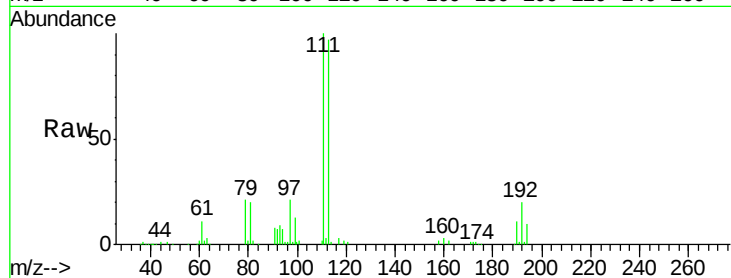
Tgt Ion:113 Resp: 104472

Ion Ratio Lower Upper

113 100

111 101.9 82.2 123.4

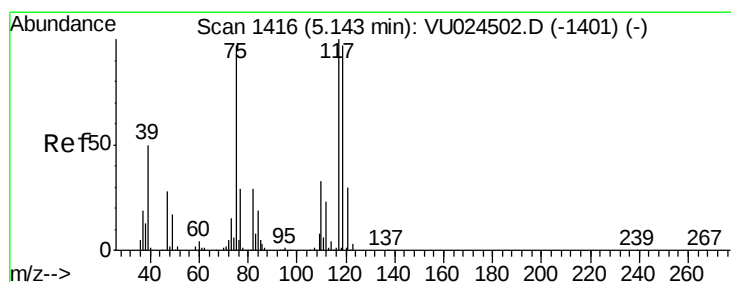
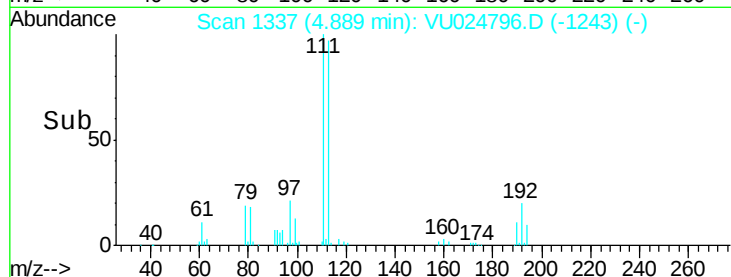
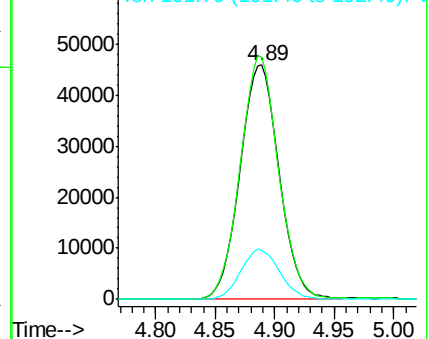
192 21.1 16.2 24.4



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: 45.592 ug/l

RT: 5.14 min Scan# 1415

Delta R.T. -0.00 min

Lab File: VU024796.D

Acq: 21 Jun 2018 07:41

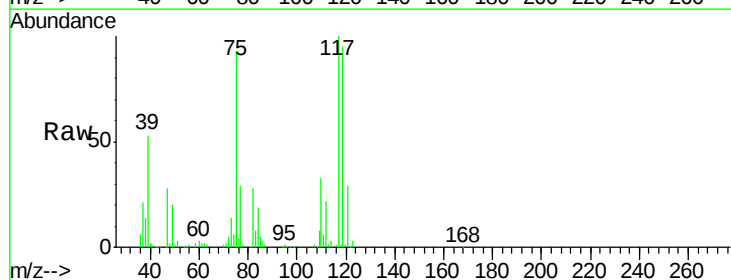
Tgt Ion: 75 Resp: 145155

Ion Ratio Lower Upper

75 100

110 35.8 17.0 50.9

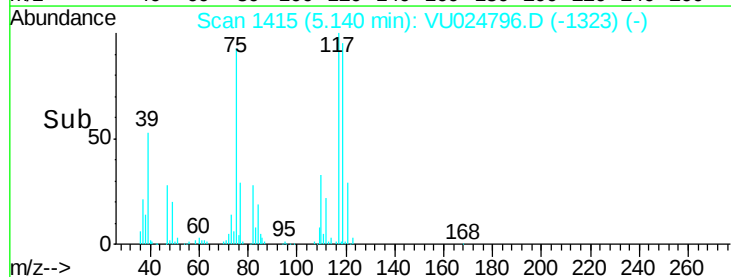
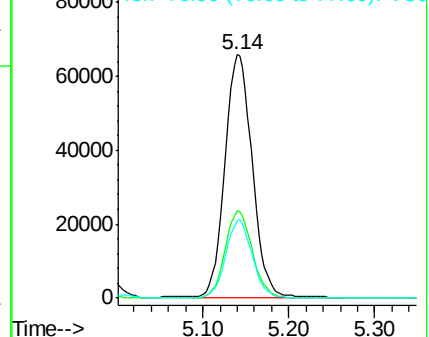
77 30.7 24.2 36.4

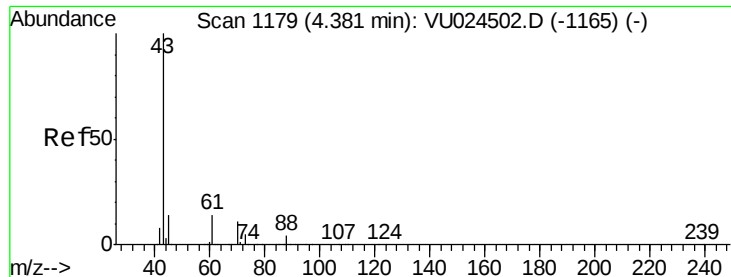


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0

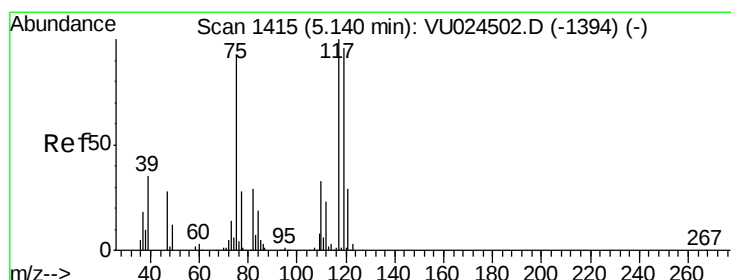
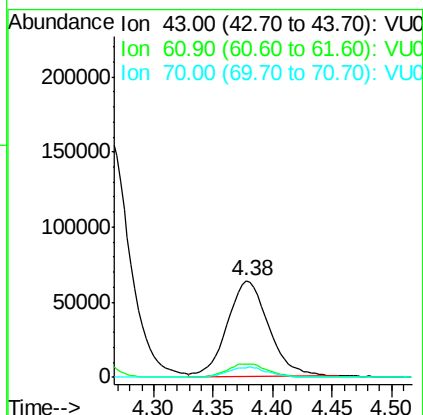
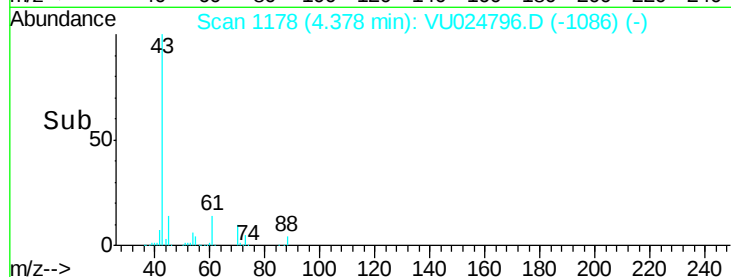
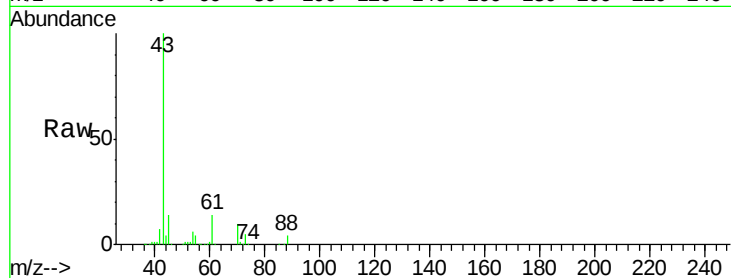




#37
Ethyl Acetate
Concen: 43.996 ug/l
RT: 4.38 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VU024796.D
Acq: 21 Jun 2018 07:41

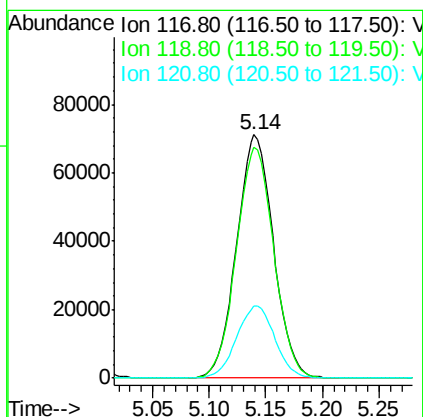
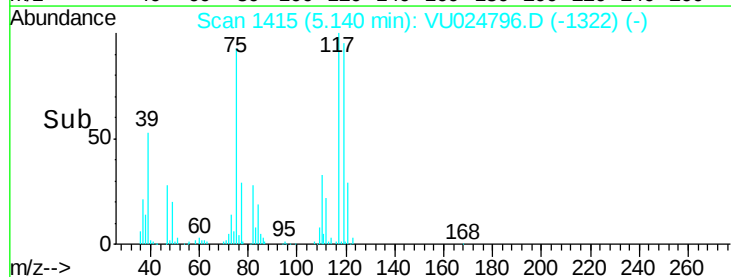
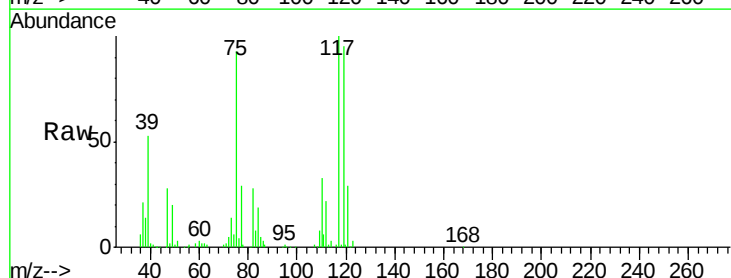
Instrument :
MSVOA_U
ClientSampleId :
BFB

Tgt Ion: 43 Resp: 152670
Ion Ratio Lower Upper
43 100
61 14.3 10.5 15.7
70 10.6 7.4 11.2



#38
Carbon Tetrachloride
Concen: 46.126 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU024796.D
Acq: 21 Jun 2018 07:41

Tgt Ion: 117 Resp: 161492
Ion Ratio Lower Upper
117 100
119 94.8 76.1 114.1
121 29.4 23.7 35.5

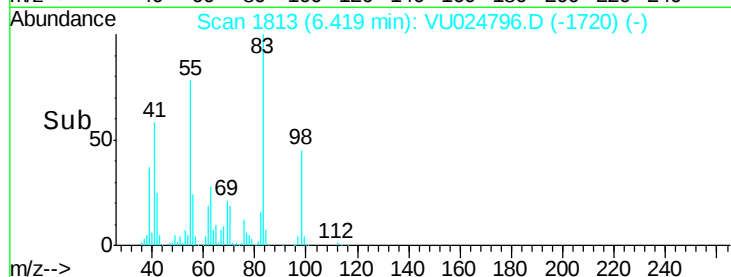
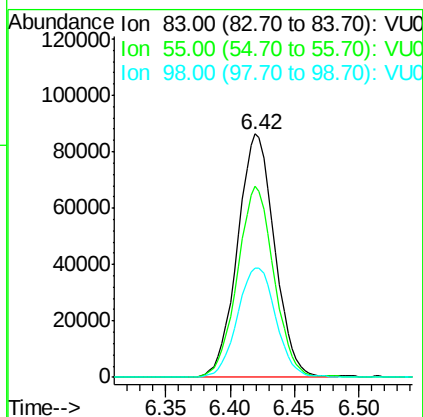
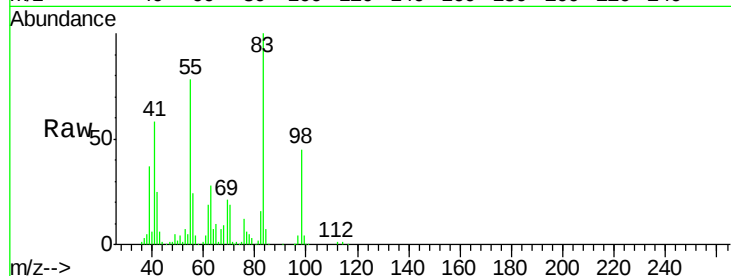




#39
Methylcyclohexane
Concen: 43.471 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU024796.D
Acq: 21 Jun 2018 07:41

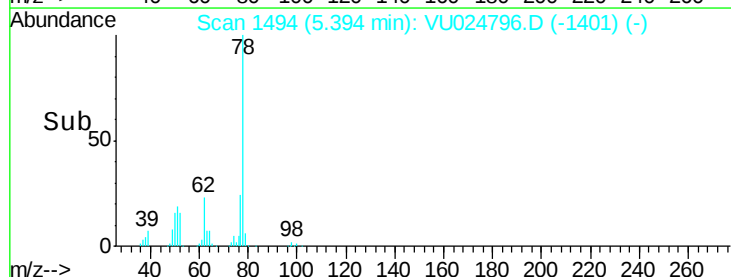
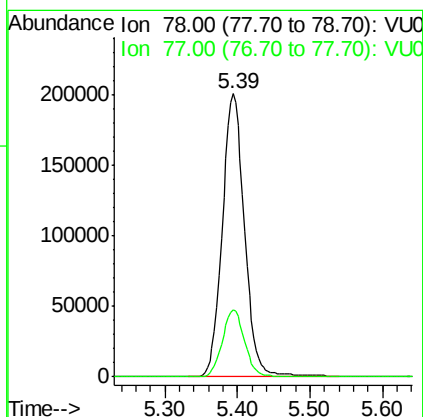
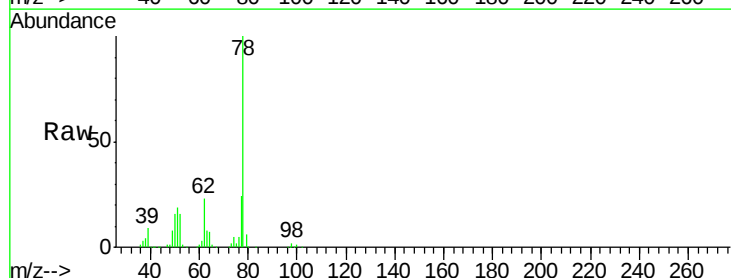
Instrument :
MSVOA_U
ClientSampleId :
BFB

Tgt Ion: 83 Resp: 172714
Ion Ratio Lower Upper
83 100
55 78.2 65.8 98.6
98 45.0 36.7 55.1



#40
Benzene
Concen: 47.050 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU024796.D
Acq: 21 Jun 2018 07:41

Tgt Ion: 78 Resp: 426839
Ion Ratio Lower Upper
78 100
77 23.7 19.2 28.8

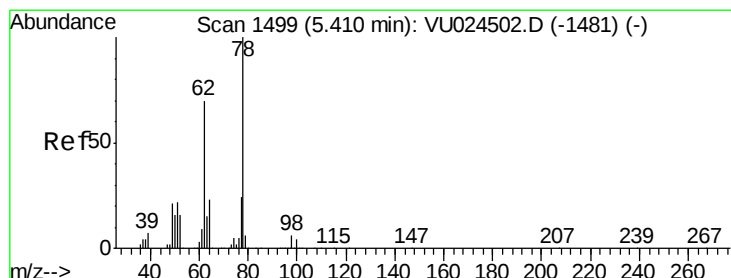
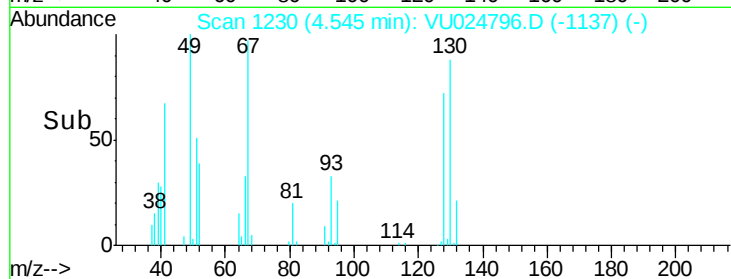
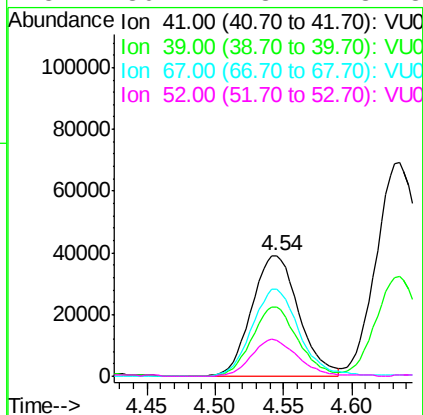
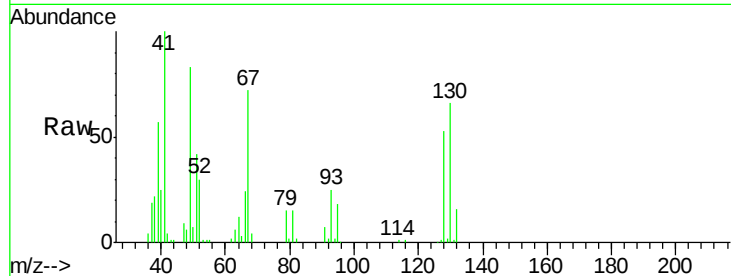




#41
Methacrylonitrile
Concen: 49.717 ug/l
RT: 4.54 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VU024796.D
Acq: 21 Jun 2018 07:41

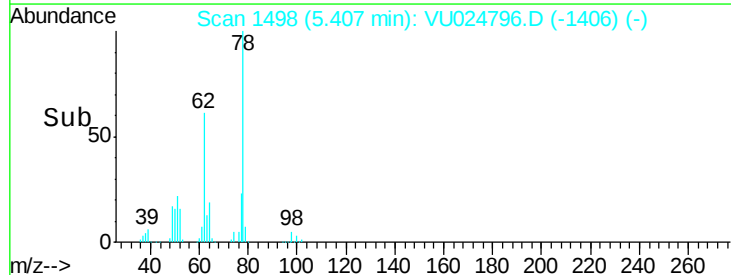
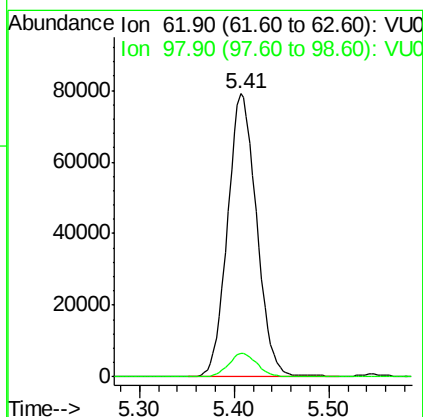
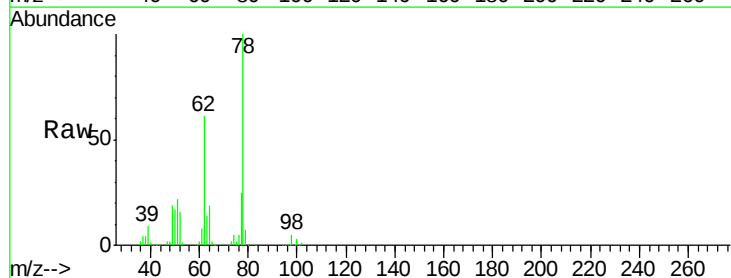
Instrument :
MSVOA_U
ClientSampleId :
BFB

Tgt Ion:	41	Resp:	93018
Ion	Ratio	Lower	Upper
41	100		
39	56.5	43.8	65.6
67	73.2	56.3	84.5
52	30.7	23.2	34.8



#42
1,2-Dichloroethane
Concen: 48.905 ug/l
RT: 5.41 min Scan# 1498
Delta R.T. -0.00 min
Lab File: VU024796.D
Acq: 21 Jun 2018 07:41

Tgt Ion:	62	Resp:	168978
Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	16.6





#43

Isopropyl Acetate

Concen: 43.244 ug/l

RT: 5.55 min Scan# 1542

Delta R.T. -0.00 min

Lab File: VU024796.D

Acq: 21 Jun 2018 07:41

Instrument :

MSVOA_U

ClientSampleId :

BFB

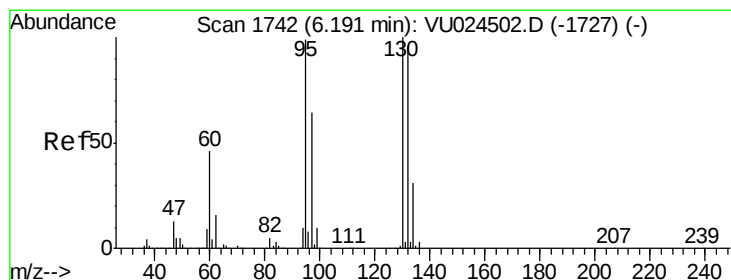
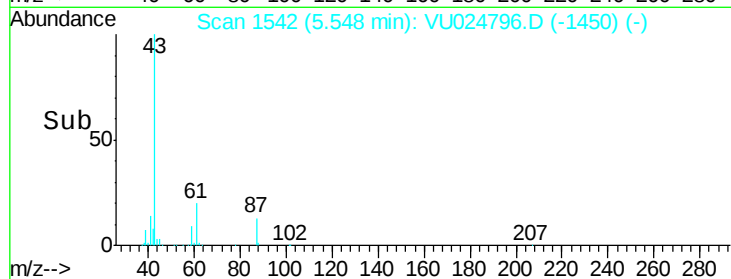
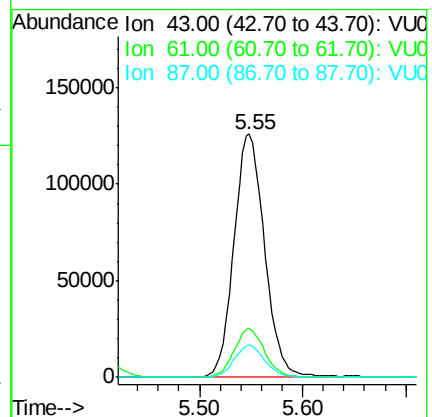
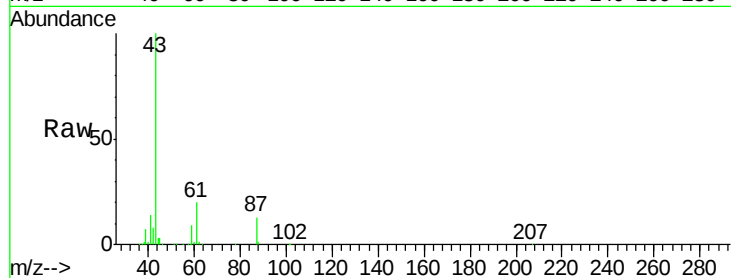
Tgt Ion: 43 Resp: 259386

Ion Ratio Lower Upper

43 100

61 20.1 15.4 23.0

87 13.2 10.0 15.0



#44

Trichloroethene

Concen: 45.855 ug/l

RT: 6.19 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VU024796.D

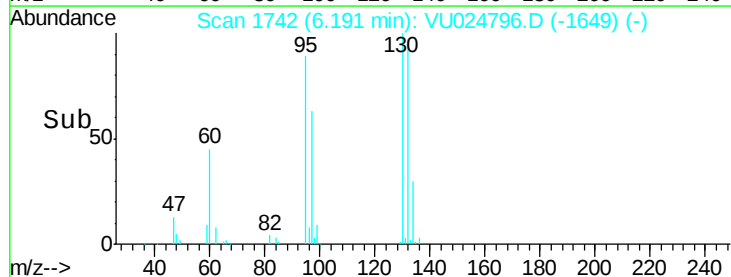
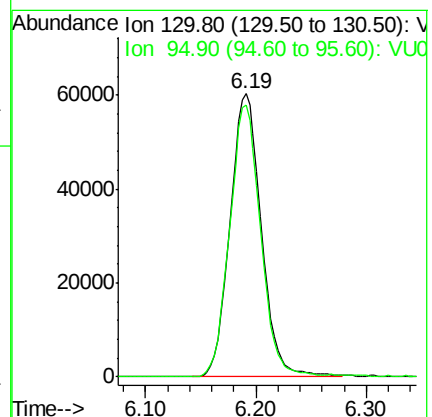
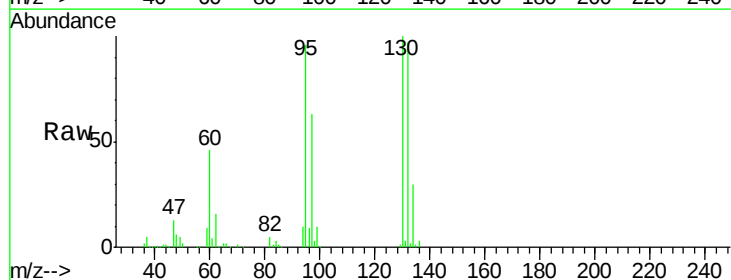
Acq: 21 Jun 2018 07:41

Tgt Ion: 130 Resp: 118393

Ion Ratio Lower Upper

130 100

95 96.2 0.0 202.4

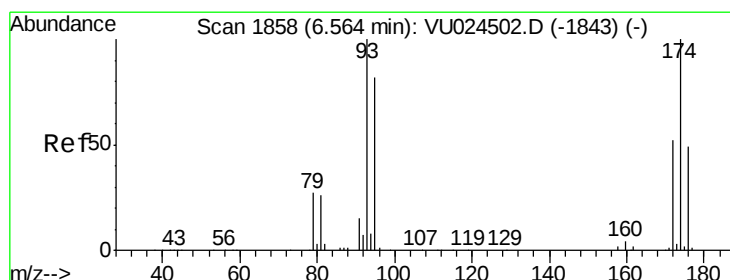
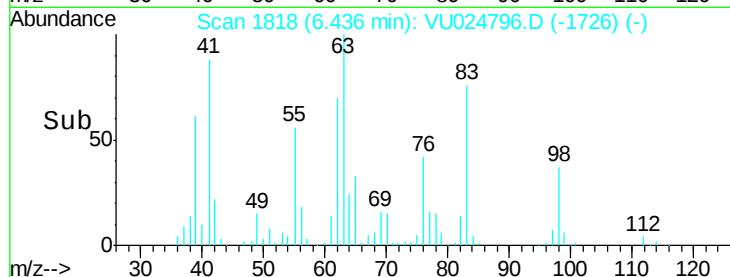
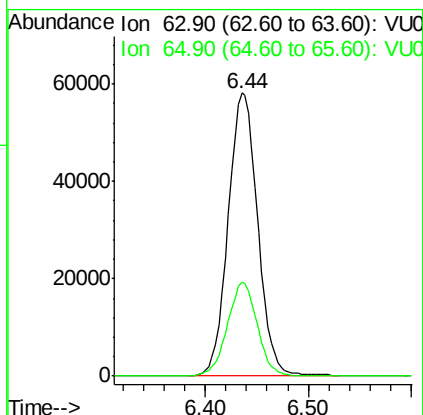
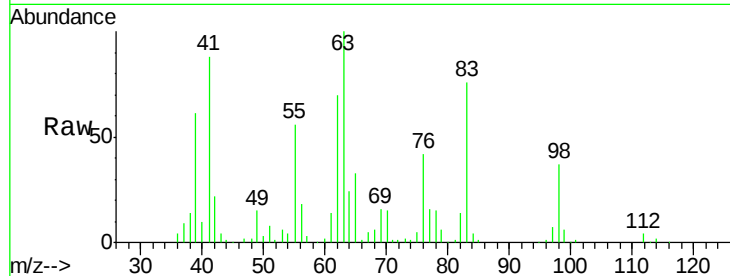




#45
 1,2-Dichloropropane
 Concen: 48.039 ug/l
 RT: 6.44 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VU024796.D
 Acq: 21 Jun 2018 07:41

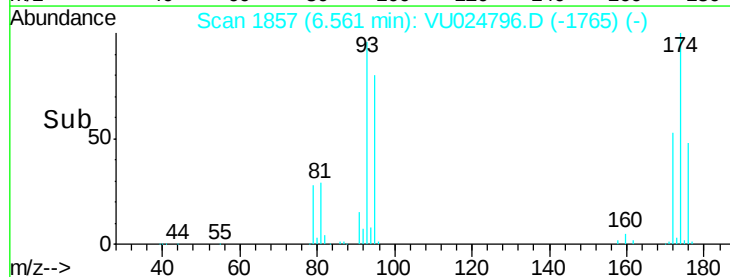
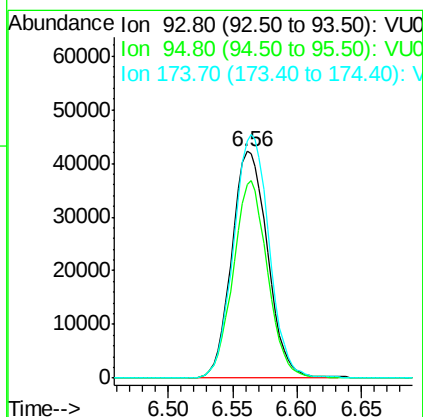
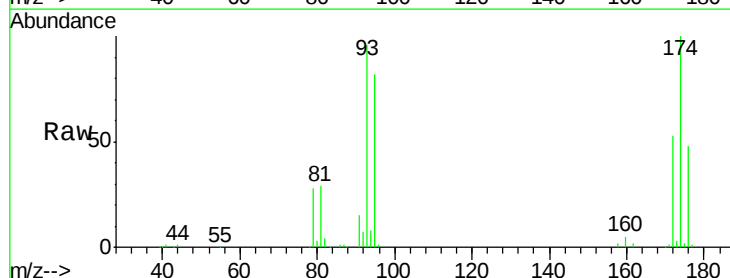
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB

Tgt Ion: 63 Resp: 116286
 Ion Ratio Lower Upper
 63 100
 65 33.2 24.8 37.2



#46
 Dibromomethane
 Concen: 48.151 ug/l
 RT: 6.56 min Scan# 1857
 Delta R.T. -0.00 min
 Lab File: VU024796.D
 Acq: 21 Jun 2018 07:41

Tgt Ion: 93 Resp: 81870
 Ion Ratio Lower Upper
 93 100
 95 83.5 65.5 98.3
 174 106.4 78.7 118.1

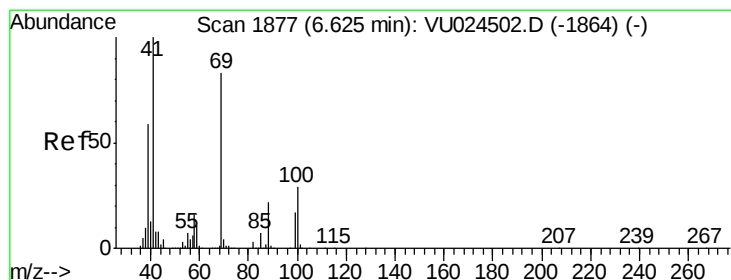
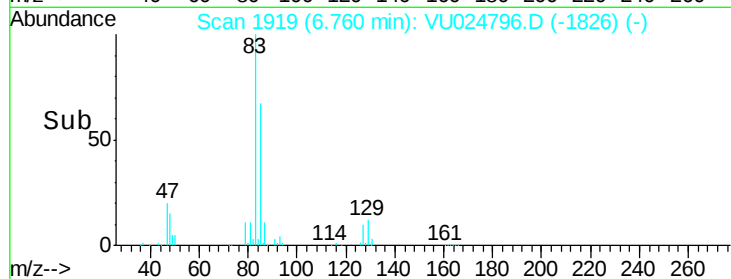
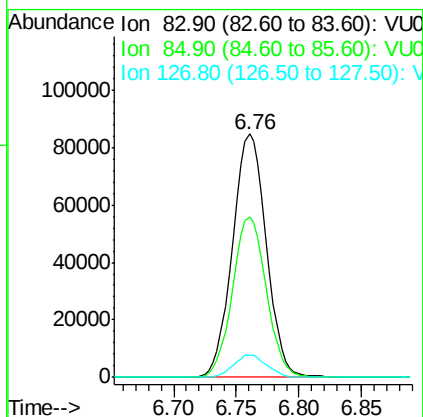
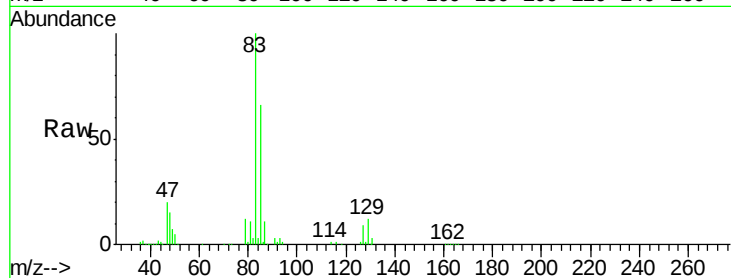




#47
 Bromodichloromethane
 Concen: 46.863 ug/l
 RT: 6.76 min Scan# 1919
 Delta R.T. 0.00 min
 Lab File: VU024796.D
 Acq: 21 Jun 2018 07:41

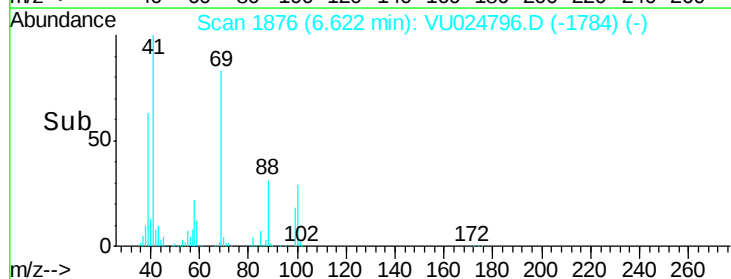
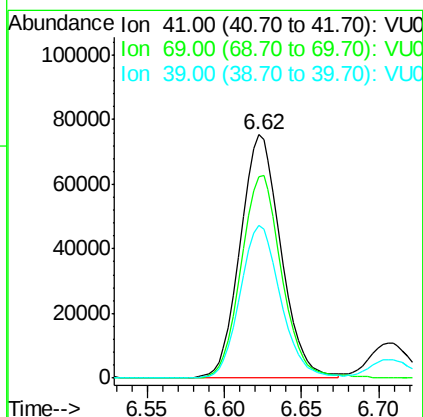
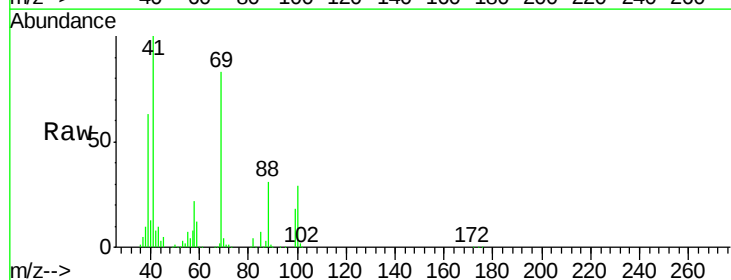
Instrument :
 MSVOA_U
 ClientSampled :
 BFB

Tgt Ion: 83 Resp: 158666
 Ion Ratio Lower Upper
 83 100
 85 65.8 51.9 77.9
 127 9.4 6.6 9.8



#48
 Methyl methacrylate
 Concen: 46.797 ug/l
 RT: 6.62 min Scan# 1876
 Delta R.T. -0.00 min
 Lab File: VU024796.D
 Acq: 21 Jun 2018 07:41

Tgt Ion: 41 Resp: 136684
 Ion Ratio Lower Upper
 41 100
 69 83.9 67.3 100.9
 39 62.6 46.5 69.7





#49

1,4-Dioxane

Concen: 1065.415 ug/l

RT: 6.61 min Scan# 1873

Delta R.T. 0.00 min

Lab File: VU024796.D

Acq: 21 Jun 2018 07:41

Instrument :

MSVOA_U

ClientSampleId :

BFB

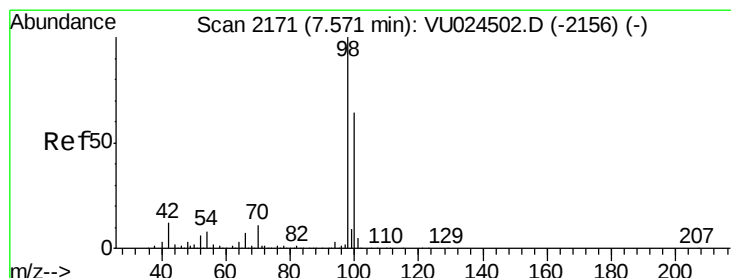
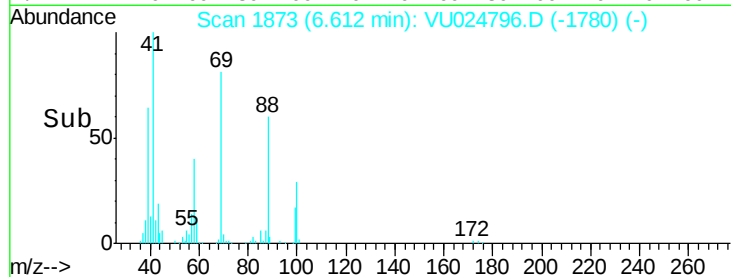
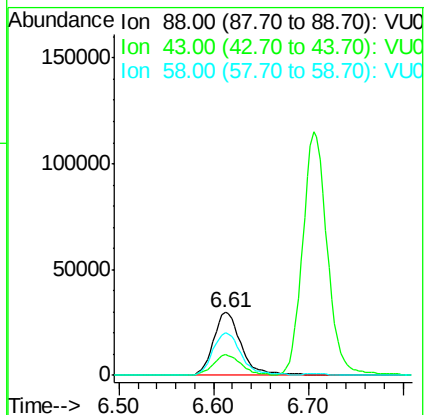
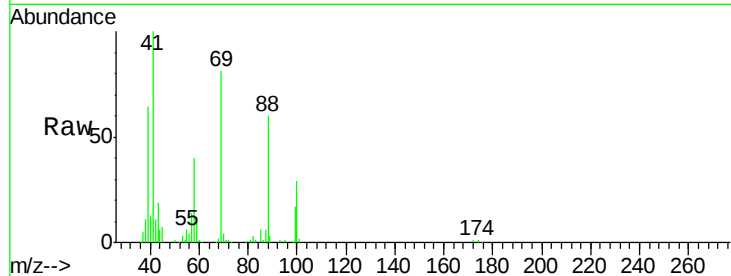
Tgt Ion: 88 Resp: 60856

Ion Ratio Lower Upper

88 100

43 32.1 28.6 42.8

58 68.9 58.2 87.4



#50

Toluene-d8

Concen: 45.651 ug/l

RT: 7.57 min Scan# 2171

Delta R.T. 0.00 min

Lab File: VU024796.D

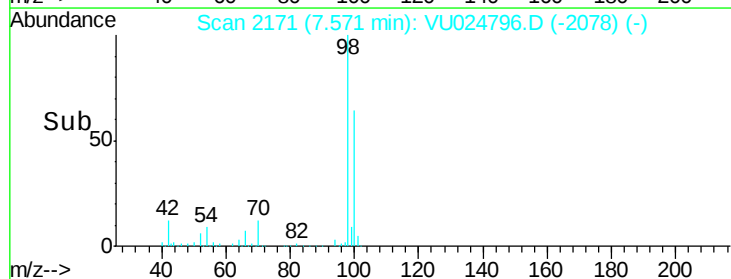
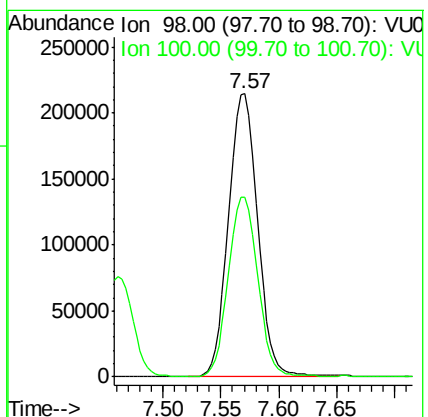
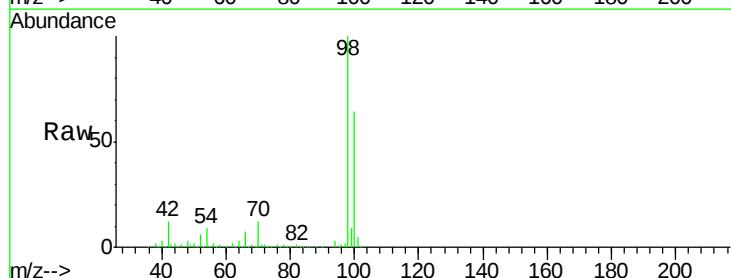
Acq: 21 Jun 2018 07:41

Tgt Ion: 98 Resp: 374429

Ion Ratio Lower Upper

98 100

100 63.7 51.1 76.7

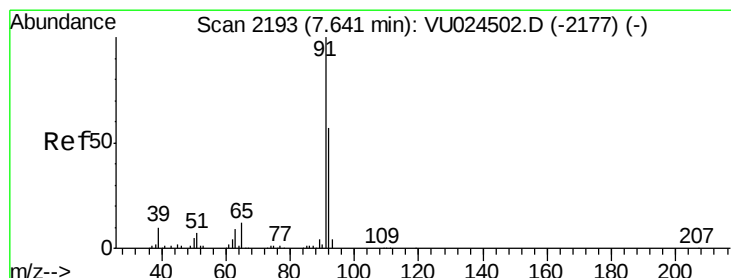
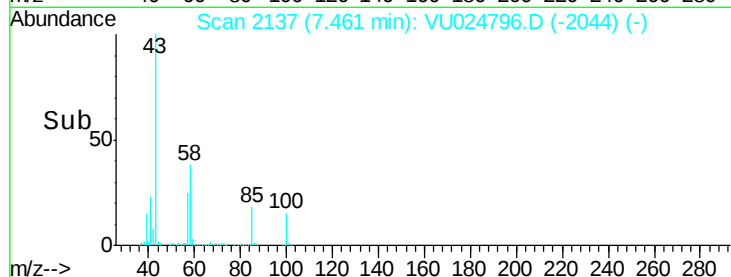
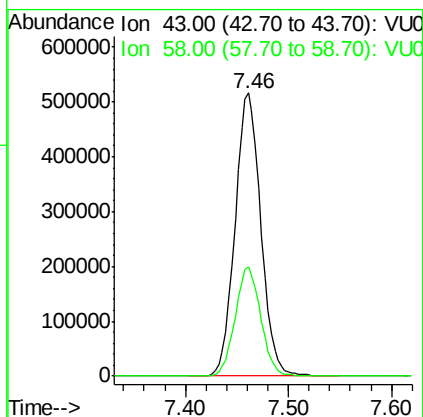
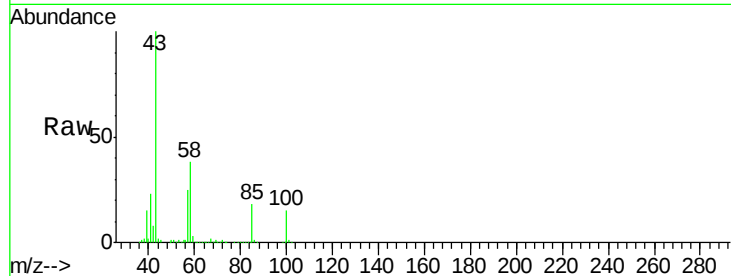




#51
 4-Methyl-2-Pentanone
 Concen: 238.523 ug/l
 RT: 7.46 min Scan# 2137
 Delta R.T. 0.00 min
 Lab File: VU024796.D
 Acq: 21 Jun 2018 07:41

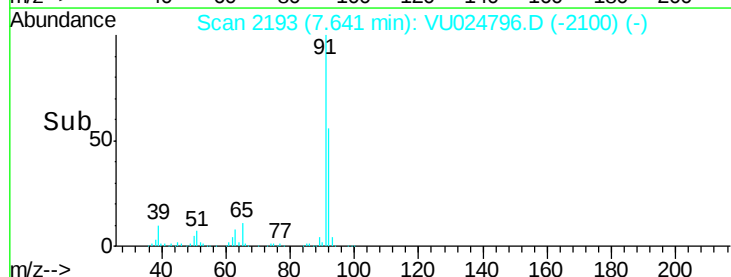
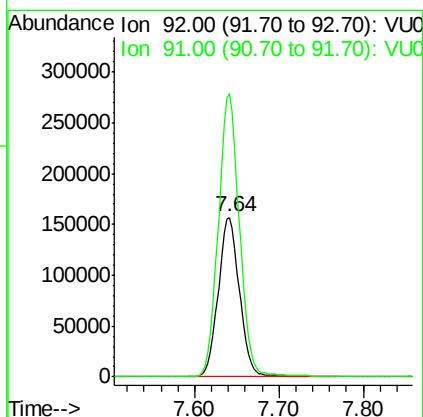
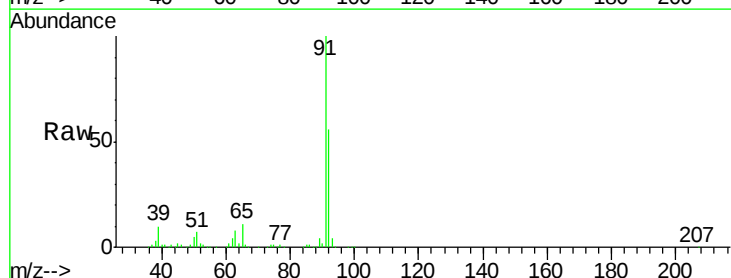
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB

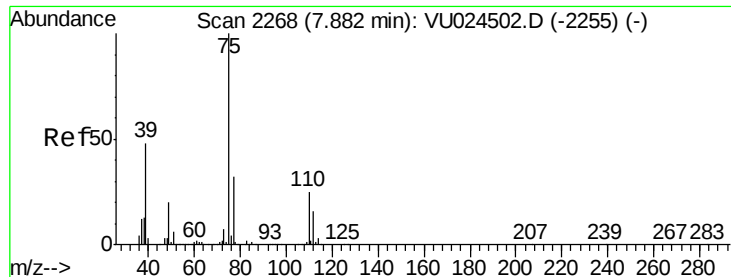
Tgt Ion: 43 Resp: 898849
 Ion Ratio Lower Upper
 43 100
 58 38.4 30.0 45.0



#52
 Toluene
 Concen: 47.299 ug/l
 RT: 7.64 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VU024796.D
 Acq: 21 Jun 2018 07:41

Tgt Ion: 92 Resp: 276064
 Ion Ratio Lower Upper
 92 100
 91 176.7 140.5 210.7





#53

t-1,3-Dichloropropene

Concen: 43.000 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU024796.D

Acq: 21 Jun 2018 07:41

Instrument :

MSVOA_U

ClientSampled :

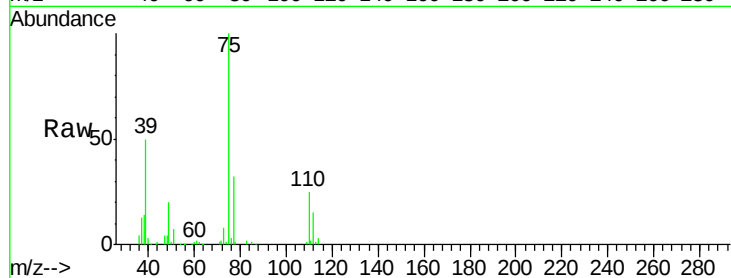
BFB

Tgt Ion: 75 Resp: 163497

Ion Ratio Lower Upper

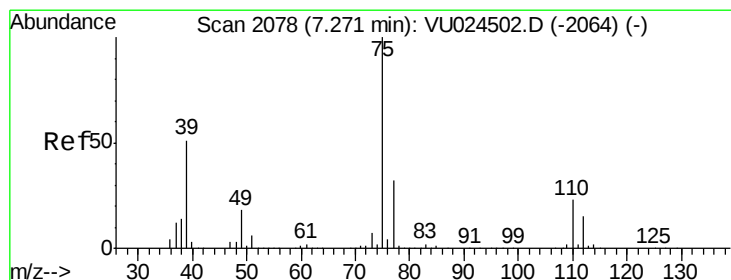
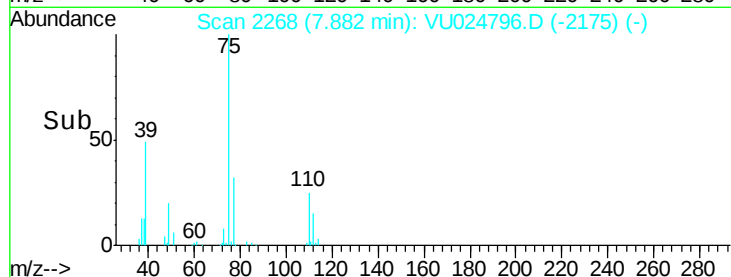
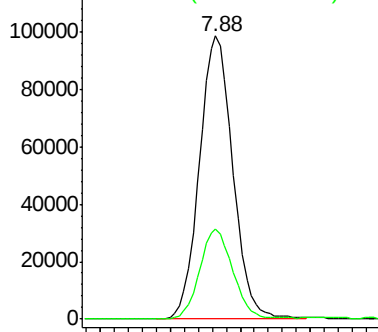
75 100

77 31.7 24.8 37.2



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0



#54

cis-1,3-Dichloropropene

Concen: 41.875 ug/l

RT: 7.27 min Scan# 2078

Delta R.T. 0.00 min

Lab File: VU024796.D

Acq: 21 Jun 2018 07:41

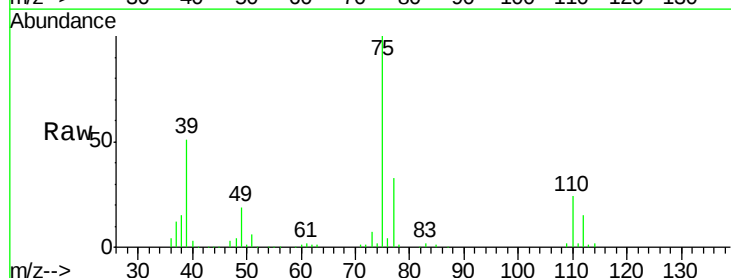
Tgt Ion: 75 Resp: 169656

Ion Ratio Lower Upper

75 100

77 32.5 24.6 36.8

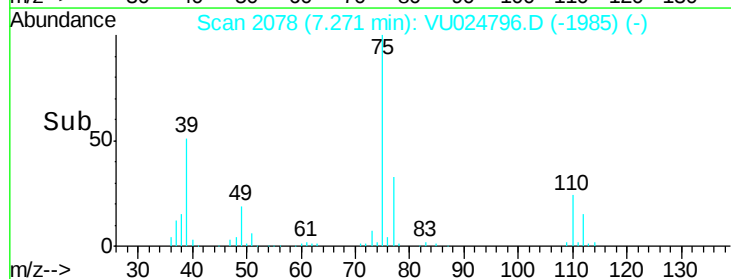
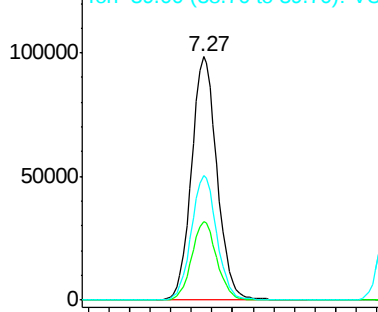
39 51.2 39.8 59.6



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0

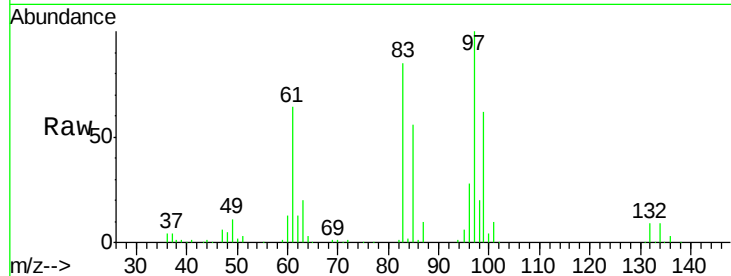




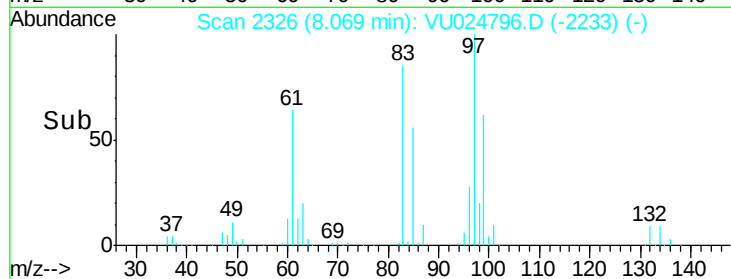
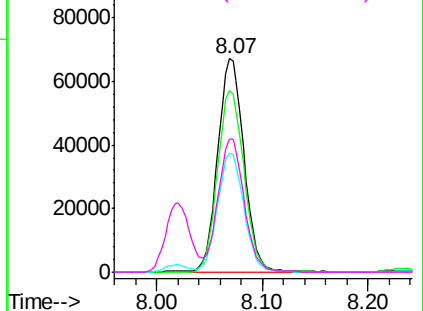
#55
 1,1,2-Trichloroethane
 Concen: 48.970 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU024796.D
 Acq: 21 Jun 2018 07:41

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB

Tgt Ion:	97	Resp:	116182
Ion	Ratio	Lower	Upper
97	100		
83	85.3	70.5	105.7
85	55.8	46.4	69.6
99	62.2	50.2	75.2

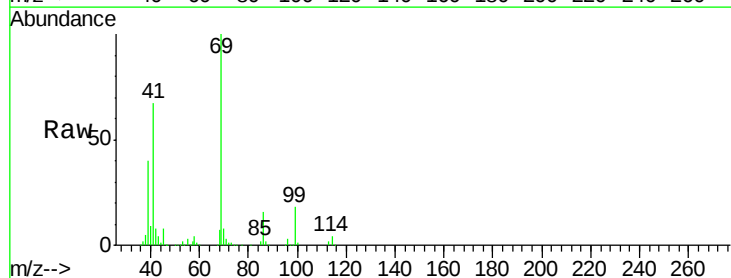


Abundance Ion 96.90 (96.60 to 97.60): VU0
 Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 98.90 (98.60 to 99.60): VU0

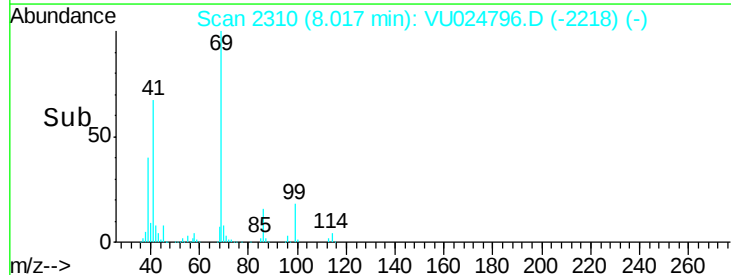
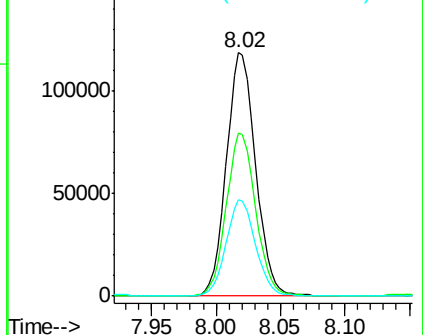


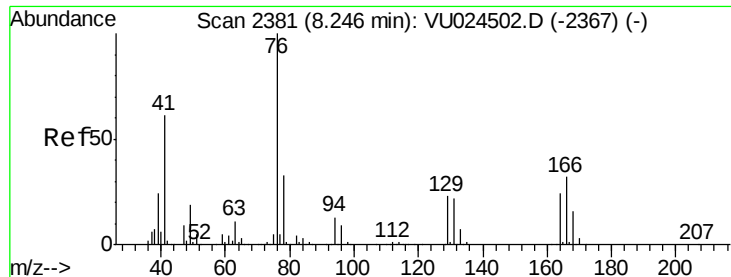
#56
 Ethyl methacrylate
 Concen: 47.160 ug/l
 RT: 8.02 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VU024796.D
 Acq: 21 Jun 2018 07:41

Tgt Ion:	69	Resp:	187273
Ion	Ratio	Lower	Upper
69	100		
41	66.8	54.1	81.1
39	39.5	30.3	45.5



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





#57

1,3-Dichloropropane

Concen: 48.727 ug/l

RT: 8.25 min Scan# 2381

Delta R.T. 0.00 min

Lab File: VU024796.D

Acq: 21 Jun 2018 07:41

Instrument :

MSVOA_U

ClientSampleId :

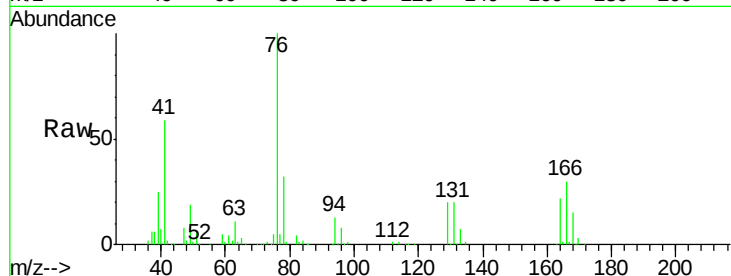
BFB

Tgt Ion: 76 Resp: 195017

Ion Ratio Lower Upper

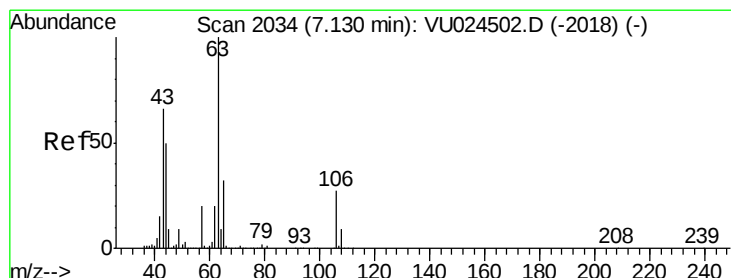
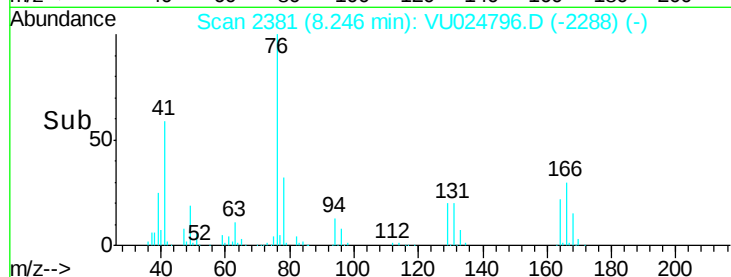
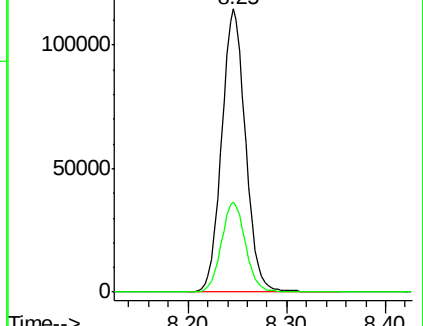
76 100

78 32.1 25.2 37.8



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#58

2-Chloroethyl Vinyl ether

Concen: 0.287 ug/l

RT: 7.11 min Scan# 2028

Delta R.T. -0.02 min

Lab File: VU024796.D

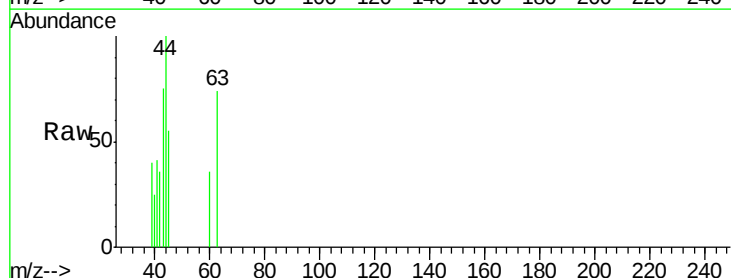
Acq: 21 Jun 2018 07:41

Tgt Ion: 63 Resp: 437

Ion Ratio Lower Upper

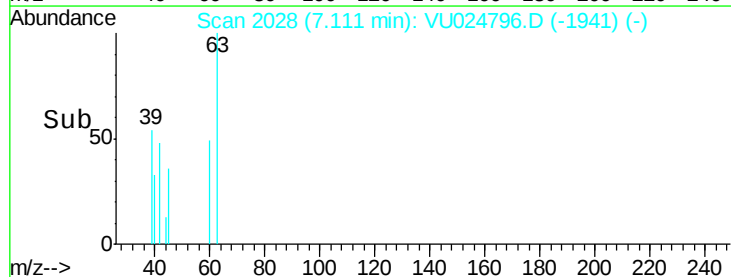
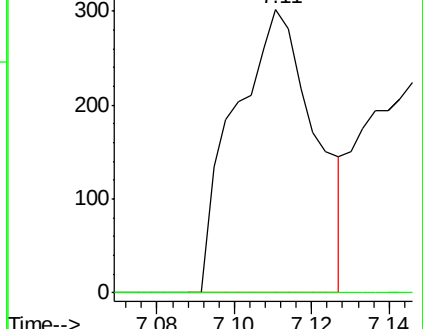
63 100

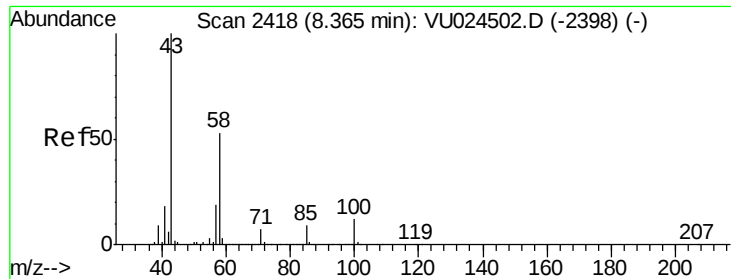
106 0.0 20.2 30.2#



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V

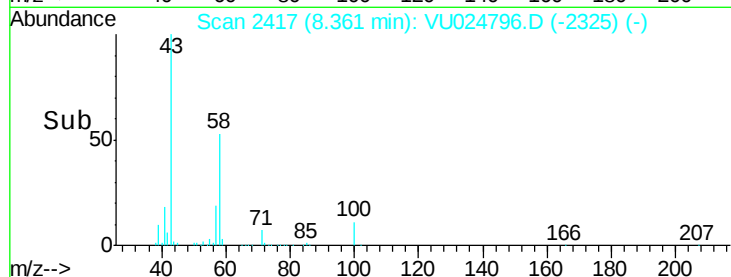
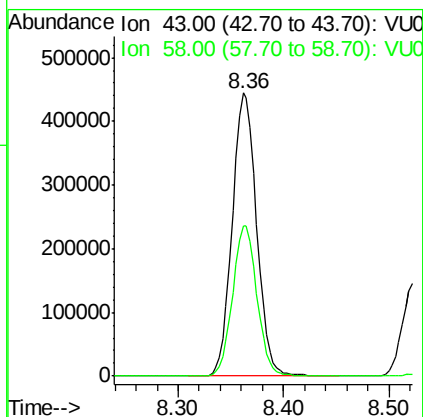
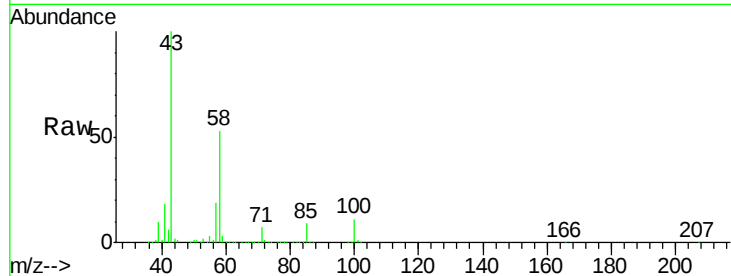




#59
2-Hexanone
Concen: 230.936 ug/l
RT: 8.36 min Scan# 2417
Delta R.T. -0.00 min
Lab File: VU024796.D
Acq: 21 Jun 2018 07:41

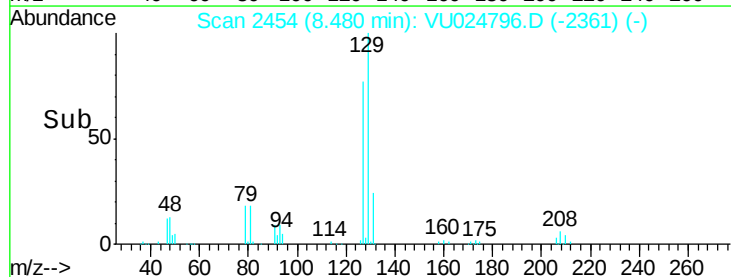
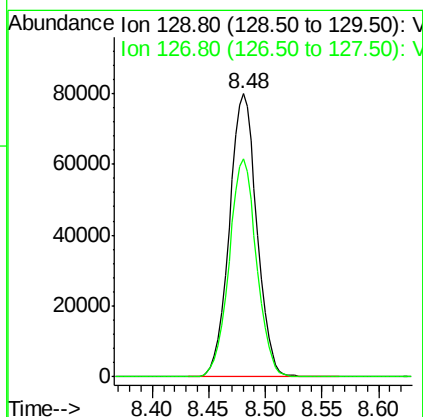
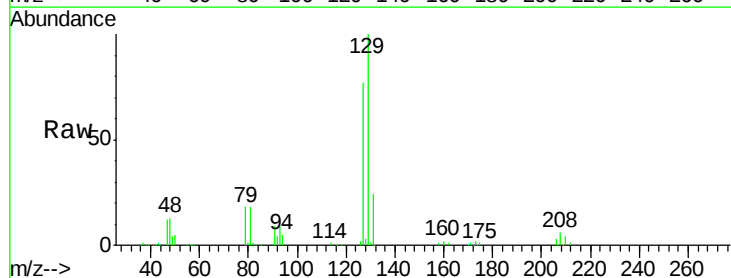
Instrument :
MSVOA_U
ClientSampleId :
BFB

Tgt Ion: 43 Resp: 710484
Ion Ratio Lower Upper
43 100
58 53.3 26.4 79.0



#60
Dibromochloromethane
Concen: 45.577 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU024796.D
Acq: 21 Jun 2018 07:41

Tgt Ion: 129 Resp: 134841
Ion Ratio Lower Upper
129 100
127 76.8 38.6 116.0





#61

1,2-Dibromoethane

Concen: 48.020 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. 0.00 min

Lab File: VU024796.D

Acq: 21 Jun 2018 07:41

Instrument :

MSVOA_U

ClientSampleId :

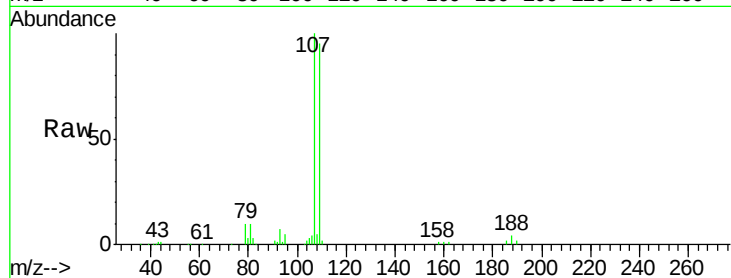
BFB

Tgt Ion: 107 Resp: 126805

Ion Ratio Lower Upper

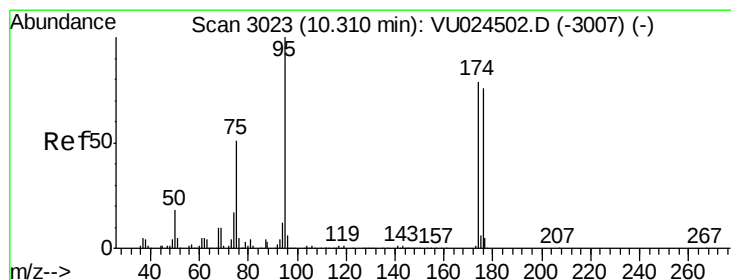
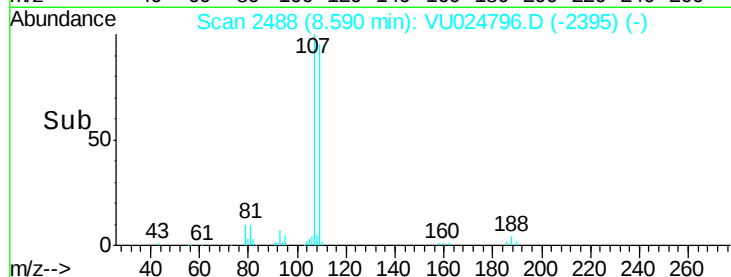
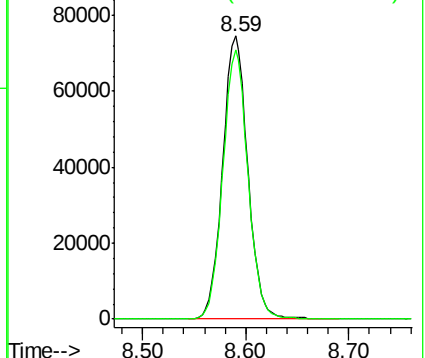
107 100

109 94.9 74.5 111.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 45.411 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU024796.D

Acq: 21 Jun 2018 07:41

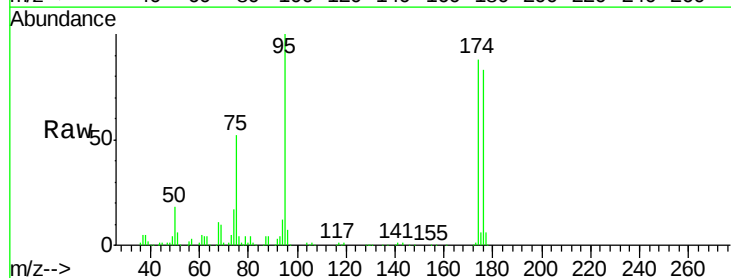
Tgt Ion: 95 Resp: 147883

Ion Ratio Lower Upper

95 100

174 87.3 0.0 165.8

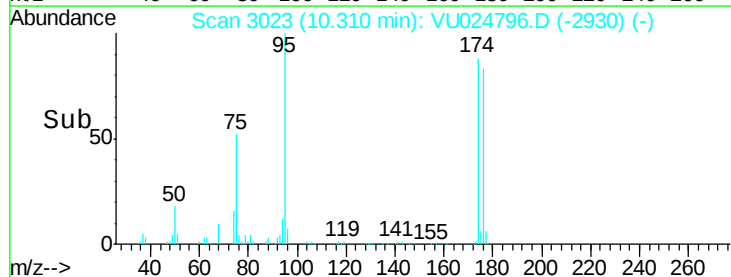
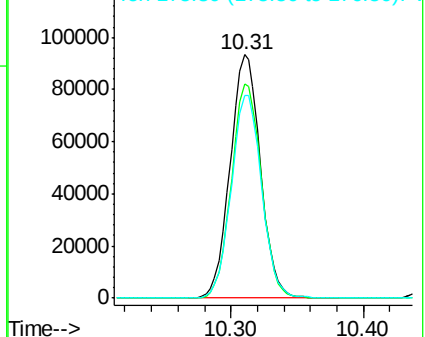
176 83.9 0.0 159.4



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

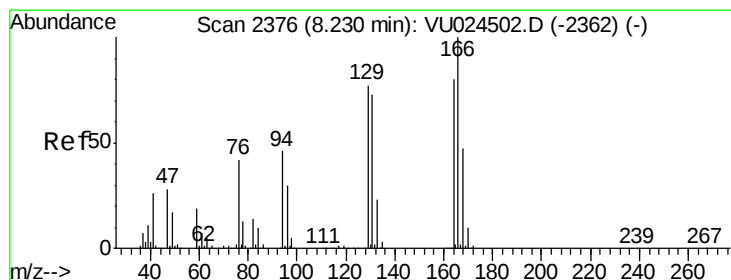
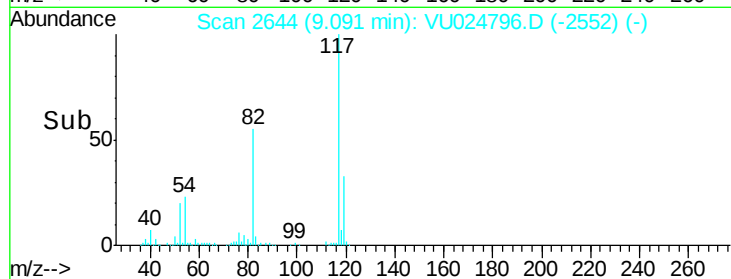
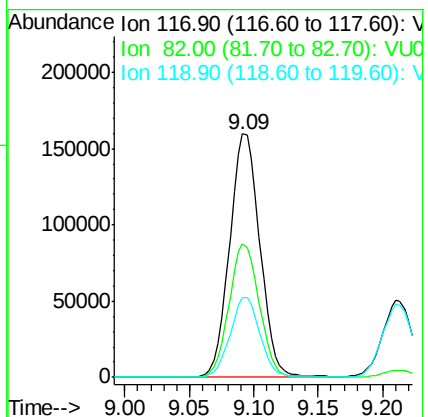
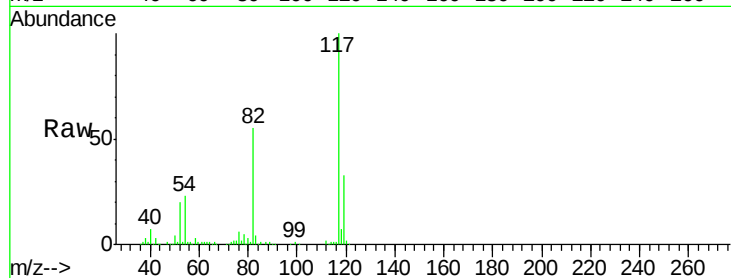




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VU024796.D
Acq: 21 Jun 2018 07:41

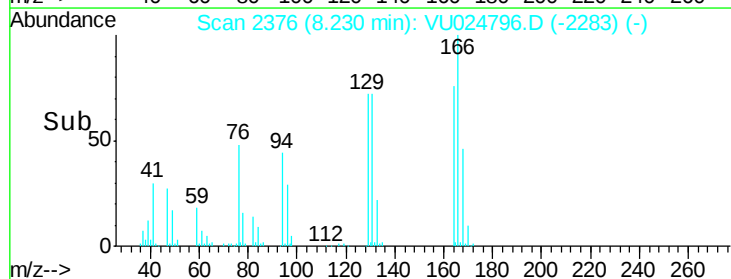
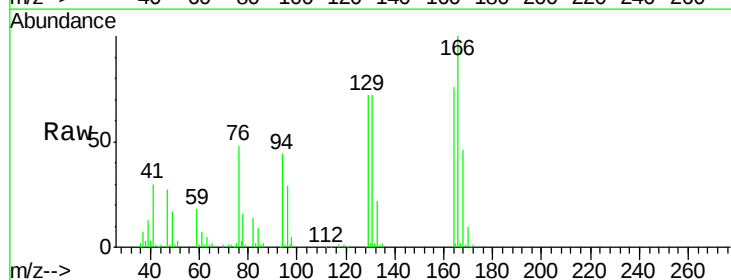
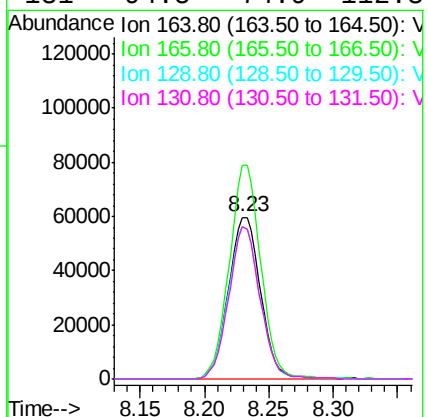
Instrument :
MSVOA_U
ClientSampleId :
BFB

Tgt Ion:117 Resp: 260712
Ion Ratio Lower Upper
117 100
82 55.0 44.3 66.5
119 32.6 25.4 38.2



#64
Tetrachloroethene
Concen: 41.721 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU024796.D
Acq: 21 Jun 2018 07:41

Tgt Ion:164 Resp: 103393
Ion Ratio Lower Upper
164 100
166 132.1 101.7 152.5
129 94.5 76.9 115.3
131 94.5 74.9 112.3

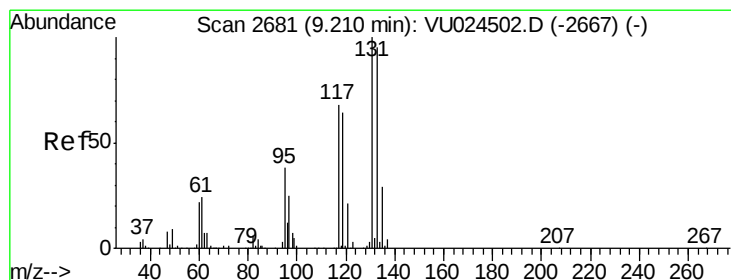
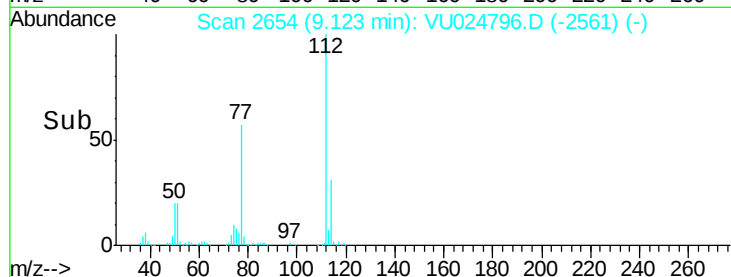
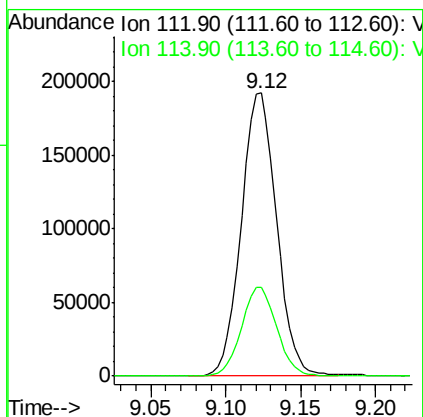
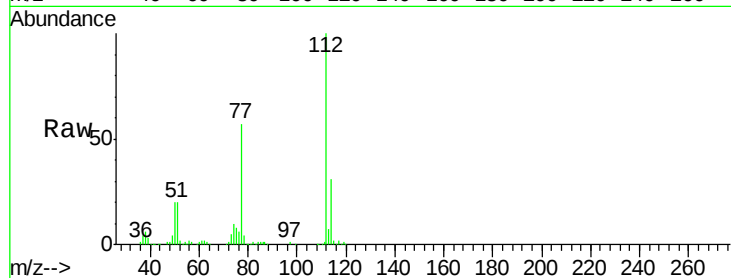




#65
Chlorobenzene
Concen: 47.590 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU024796.D
Acq: 21 Jun 2018 07:41

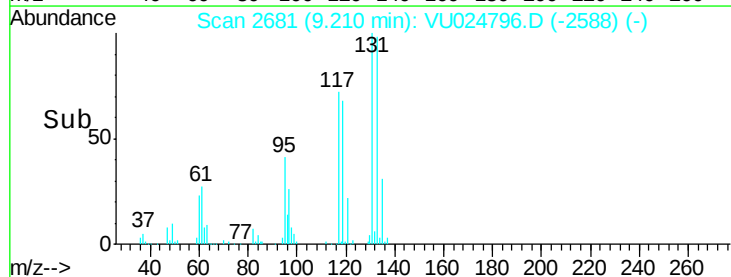
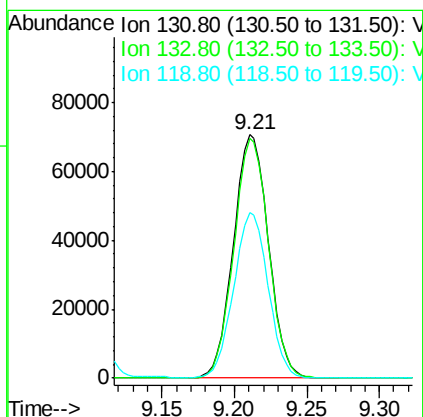
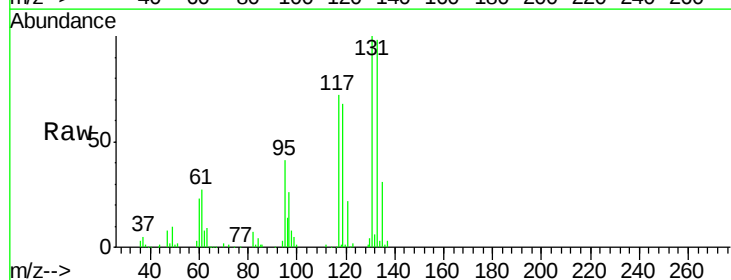
Instrument :
MSVOA_U
ClientSampleId :
BFB

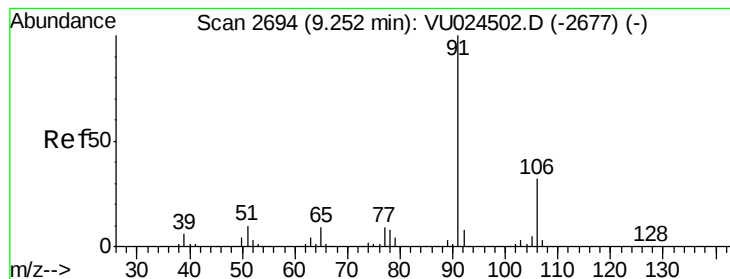
Tgt Ion:112 Resp: 316962
Ion Ratio Lower Upper
112 100
114 31.4 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 46.864 ug/l
RT: 9.21 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU024796.D
Acq: 21 Jun 2018 07:41

Tgt Ion:131 Resp: 118583
Ion Ratio Lower Upper
131 100
133 97.2 46.9 140.8
119 66.9 33.5 100.4





#67

Ethyl Benzene

Concen: 46.707 ug/l

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU024796.D

Acq: 21 Jun 2018 07:41

Instrument :

MSVOA_U

ClientSampleId :

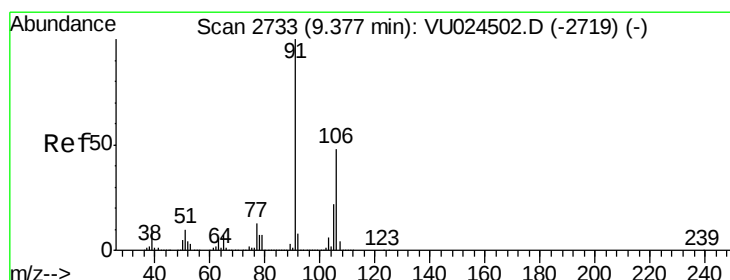
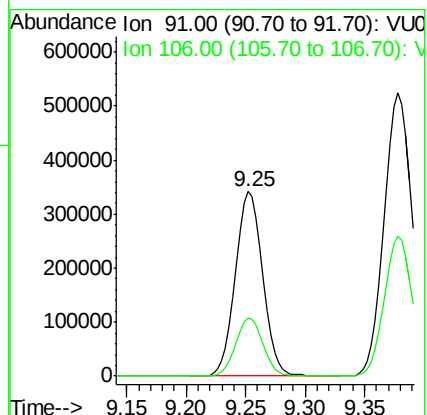
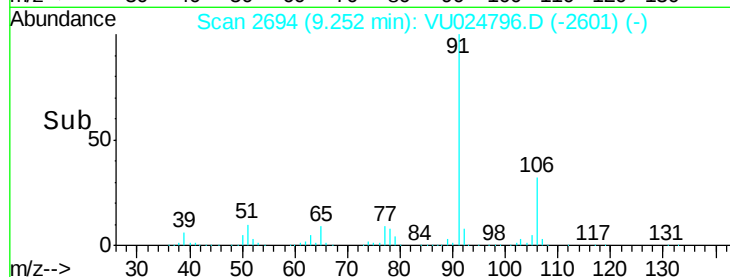
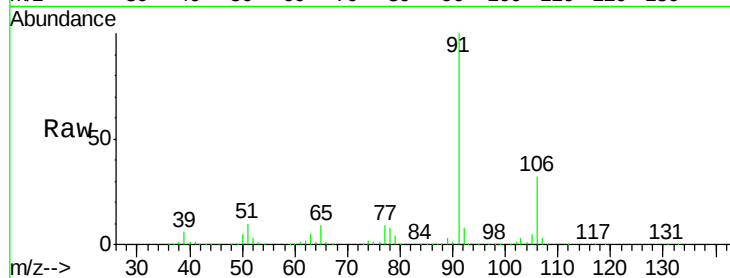
BFB

Tgt Ion: 91 Resp: 545352

Ion Ratio Lower Upper

91 100

106 31.5 24.2 36.4



#68

m/p-Xylenes

Concen: 94.975 ug/l

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU024796.D

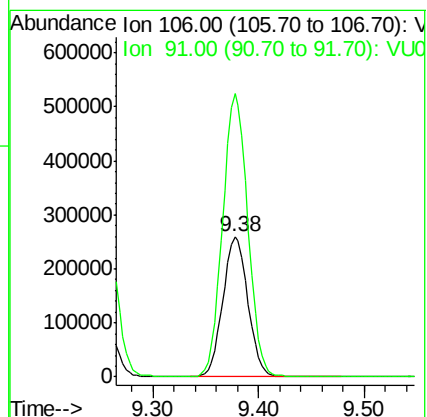
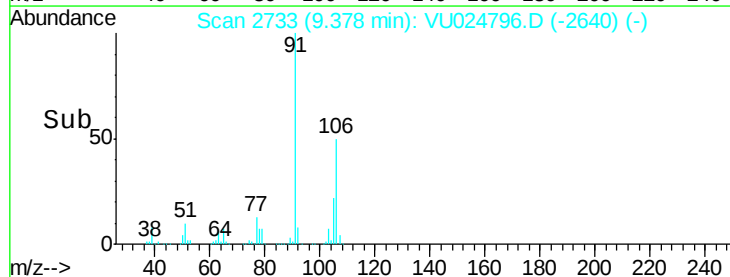
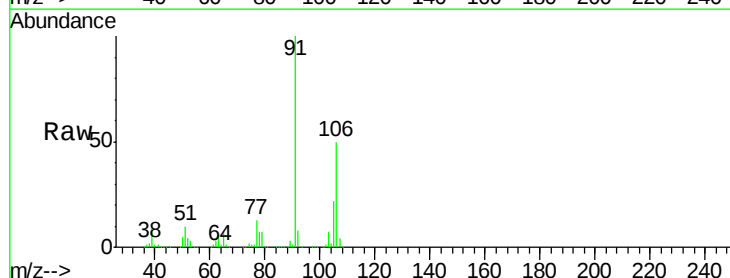
Acq: 21 Jun 2018 07:41

Tgt Ion: 106 Resp: 425825

Ion Ratio Lower Upper

106 100

91 202.7 166.5 249.7

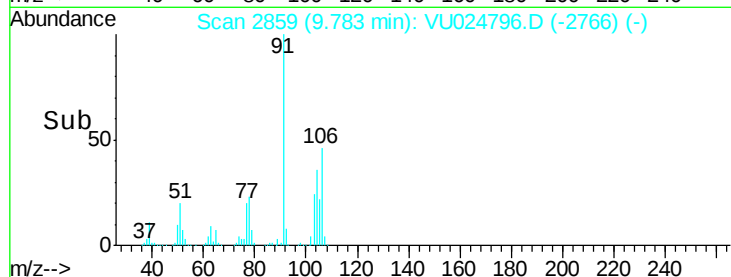
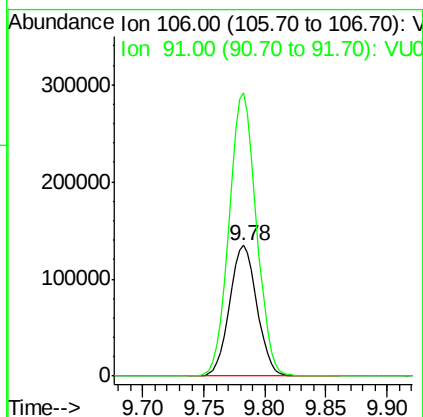
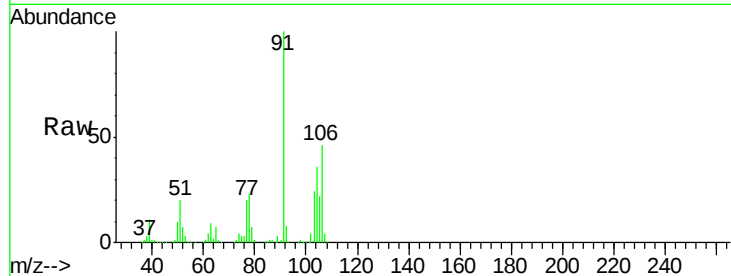




#69
o-Xylene
Concen: 47.565 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU024796.D
Acq: 21 Jun 2018 07:41

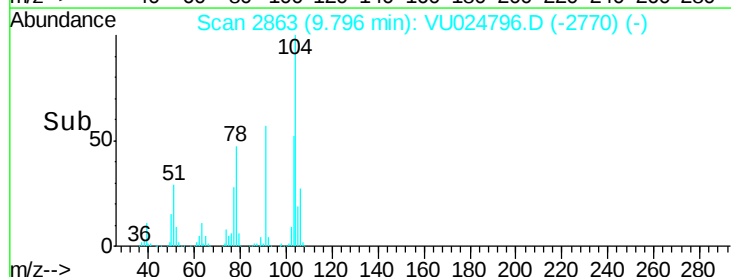
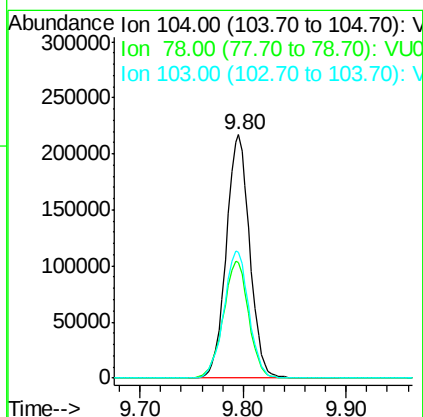
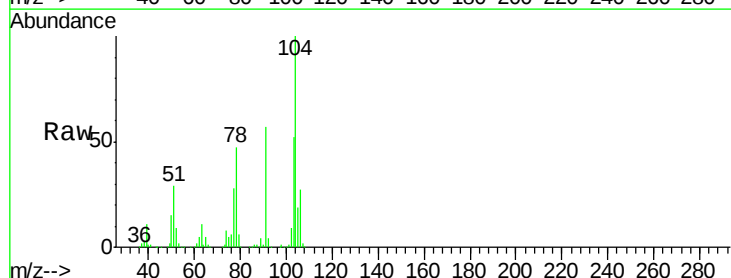
Instrument :
MSVOA_U
ClientSampleId :
BFB

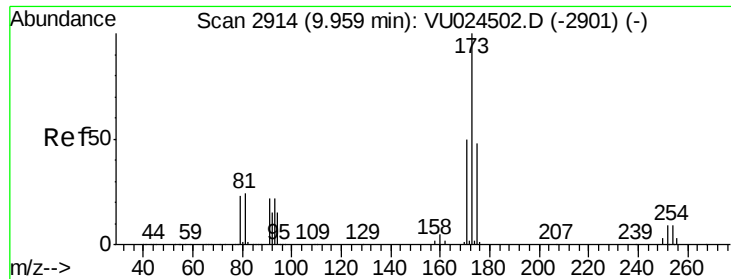
Tgt Ion:106 Resp: 211057
Ion Ratio Lower Upper
106 100
91 215.9 110.7 331.9



#70
Styrene
Concen: 47.216 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU024796.D
Acq: 21 Jun 2018 07:41

Tgt Ion:104 Resp: 344288
Ion Ratio Lower Upper
104 100
78 52.0 40.6 60.8
103 55.6 44.7 67.1





#71

Bromoform

Concen: 44.981 ug/l

RT: 9.96 min Scan# 2914

Delta R.T. 0.00 min

Lab File: VU024796.D

Acq: 21 Jun 2018 07:41

Instrument :
MSVOA_U
ClientSampleId :
BFB

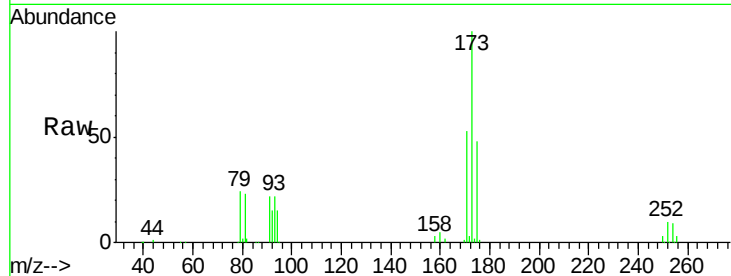
Tgt Ion:173 Resp: 108183

Ion Ratio Lower Upper

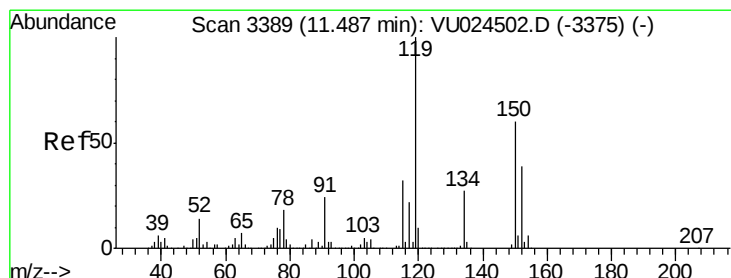
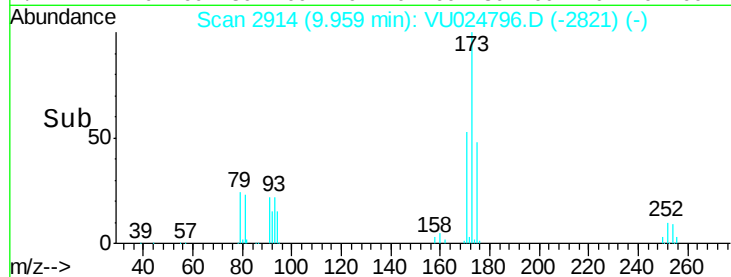
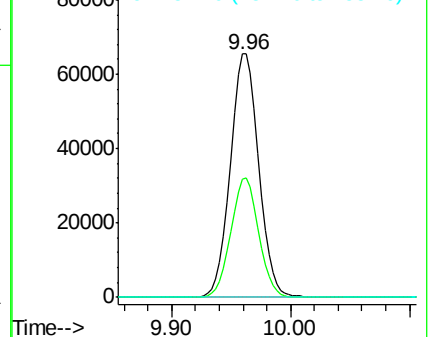
173 100

175 48.0 24.6 74.0

254 0.1 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# 3389

Delta R.T. 0.00 min

Lab File: VU024796.D

Acq: 21 Jun 2018 07:41

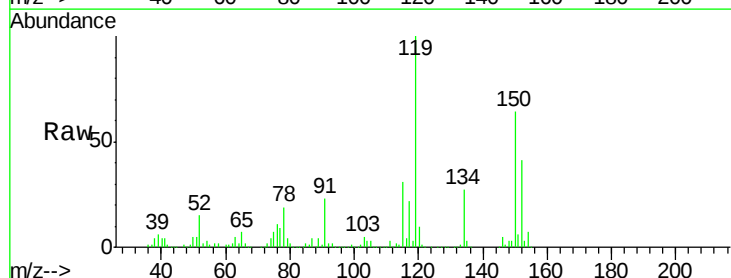
Tgt Ion:152 Resp: 157366

Ion Ratio Lower Upper

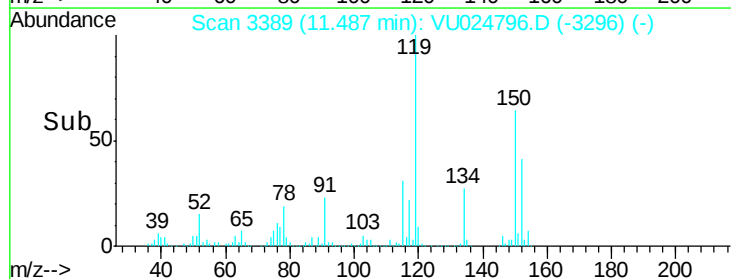
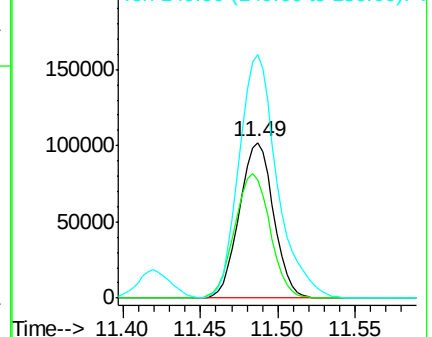
152 100

115 82.5 43.0 129.0

150 173.2 0.0 354.0



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: 47.233 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU024796.D

Acq: 21 Jun 2018 07:41

Instrument :

MSVOA_U

ClientSampleId :

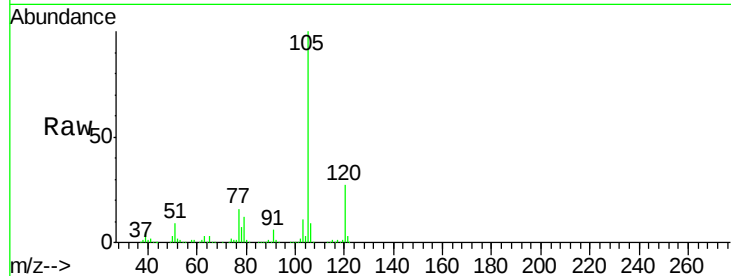
BFB

Tgt Ion: 105 Resp: 570666

Ion Ratio Lower Upper

105 100

120 26.9 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

10.17

400000

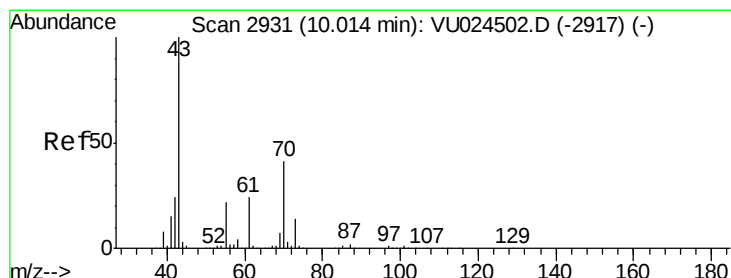
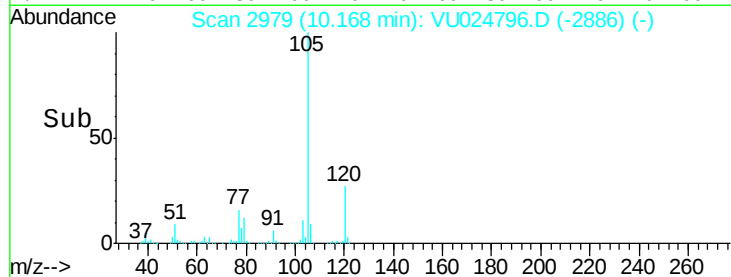
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 40.792 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU024796.D

Acq: 21 Jun 2018 07:41

Tgt Ion: 43 Resp: 234422

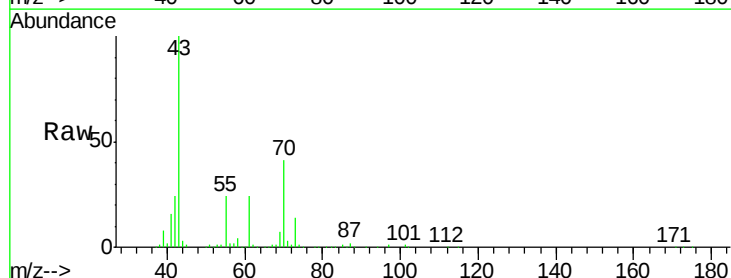
Ion Ratio Lower Upper

43 100

70 41.1 32.2 48.4

55 23.6 20.5 30.7

61 23.9 18.7 28.1



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

10.01

250000

200000

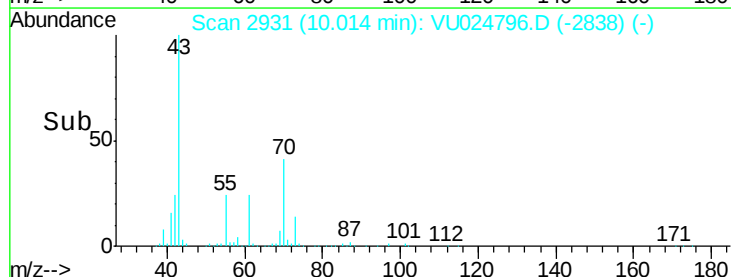
150000

100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 47.818 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU024796.D

Acq: 21 Jun 2018 07:41

Instrument :

MSVOA_U

ClientSampleId :

BFB

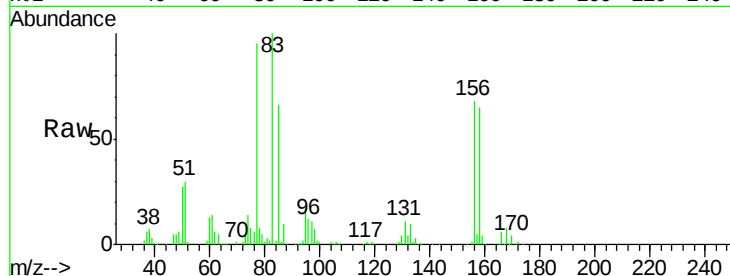
Tgt Ion: 83 Resp: 193602

Ion Ratio Lower Upper

83 100

131 10.5 4.7 14.1

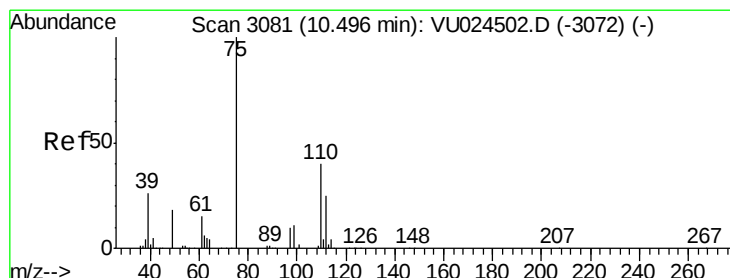
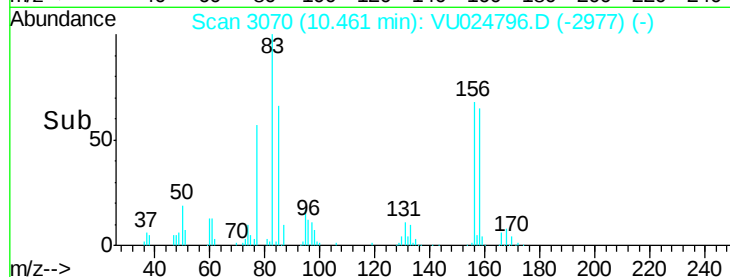
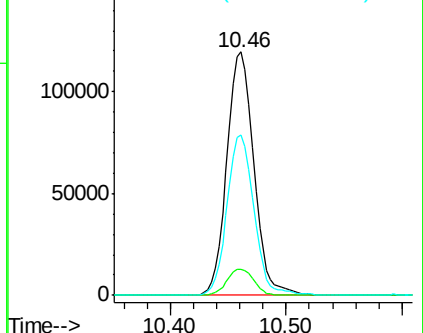
85 65.7 32.5 97.5



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 130.80 (130.50 to 131.50): VU0

Ion 84.90 (84.60 to 85.60): VU0



#76

1,2,3-Trichloropropane

Concen: 62.039 ug/l

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU024796.D

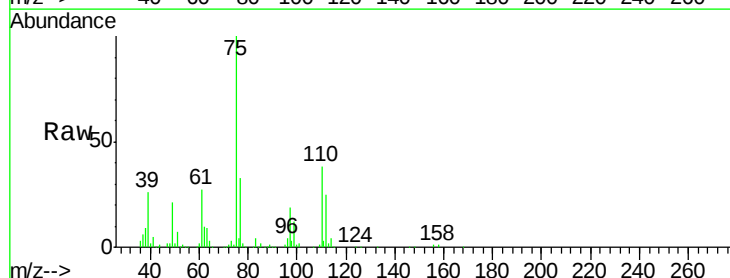
Acq: 21 Jun 2018 07:41

Tgt Ion: 75 Resp: 214942

Ion Ratio Lower Upper

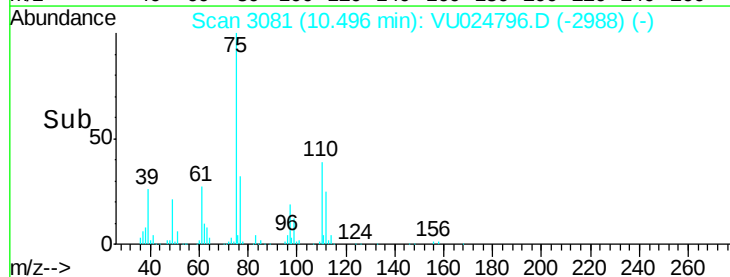
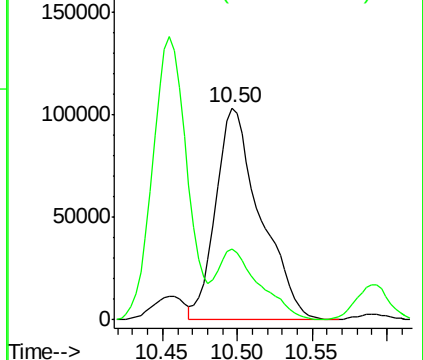
75 100

77 31.7 20.9 62.7



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





#77

Bromobenzene

Concen: 48.430 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VU024796.D

Acq: 21 Jun 2018 07:41

Instrument :

MSVOA_U

ClientSampled :

BFB

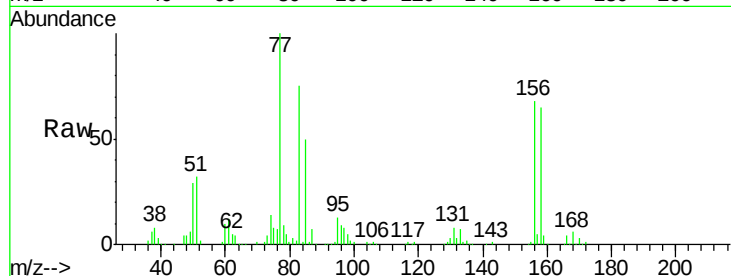
Tgt Ion:156 Resp: 148132

Ion Ratio Lower Upper

156 100

77 148.2 80.5 241.3

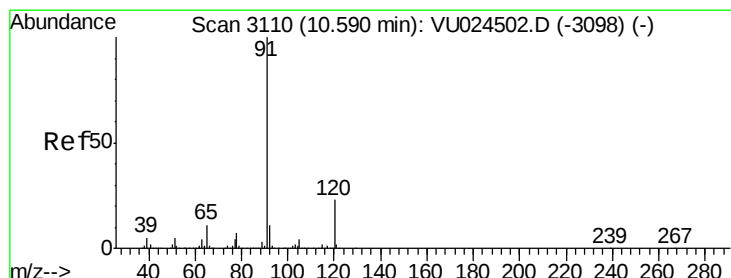
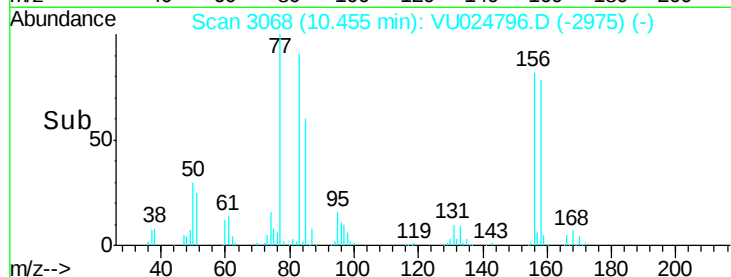
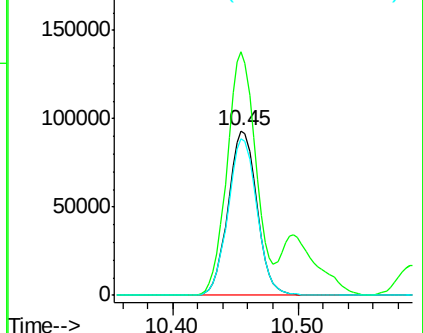
158 95.9 48.2 144.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 45.331 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU024796.D

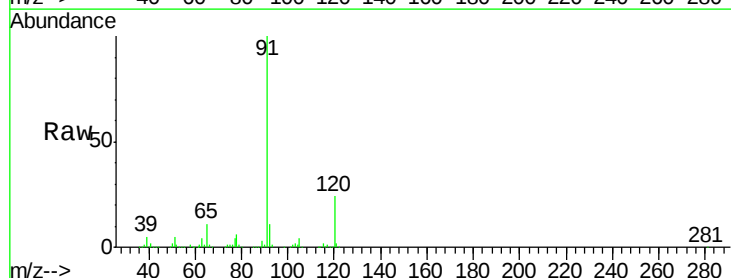
Acq: 21 Jun 2018 07:41

Tgt Ion: 91 Resp: 645165

Ion Ratio Lower Upper

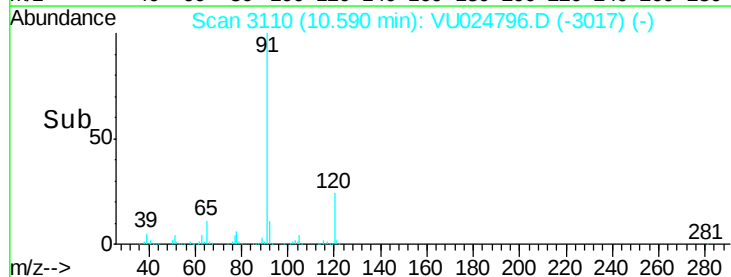
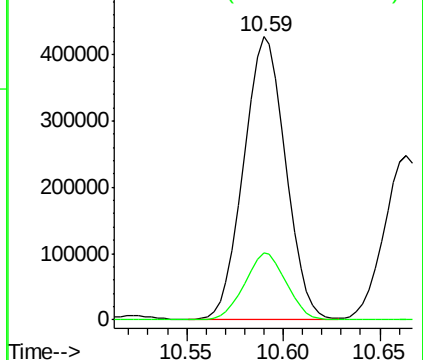
91 100

120 23.5 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 46.277 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU024796.D

Acq: 21 Jun 2018 07:41

Instrument :

MSVOA_U

ClientSampleId :

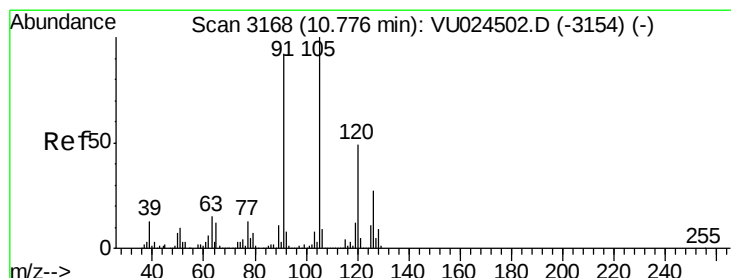
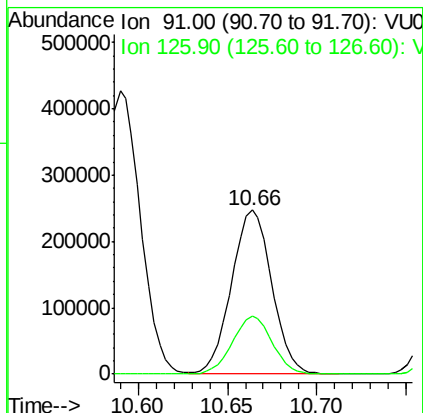
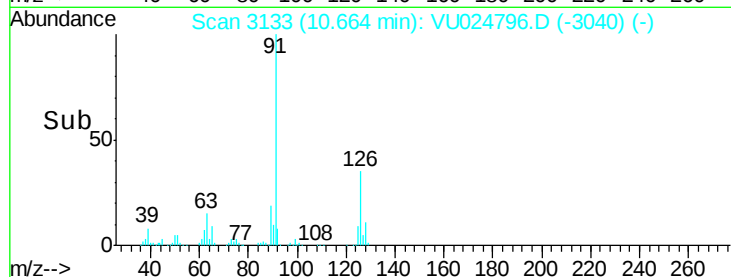
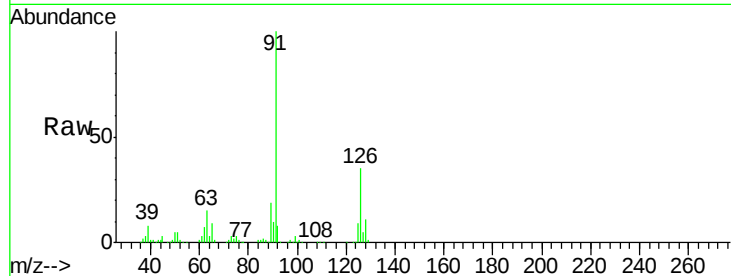
BFB

Tgt Ion: 91 Resp: 388409

Ion Ratio Lower Upper

91 100

126 34.9 16.9 50.7



#80

1,3,5-Trimethylbenzene

Concen: 46.828 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU024796.D

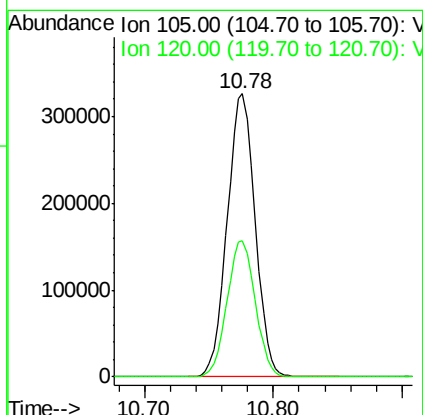
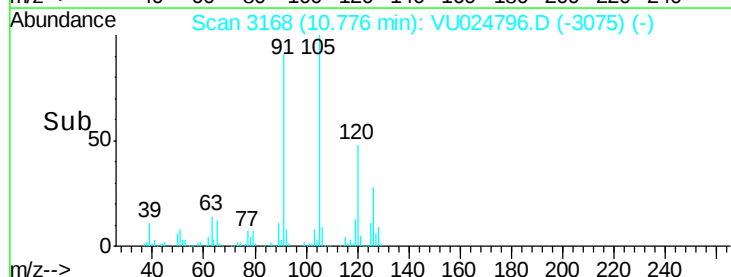
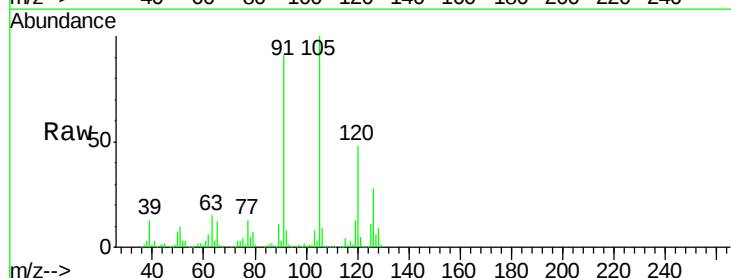
Acq: 21 Jun 2018 07:41

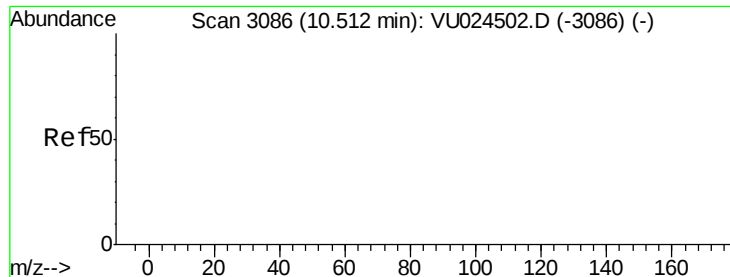
Tgt Ion: 105 Resp: 490375

Ion Ratio Lower Upper

105 100

120 48.7 24.1 72.2

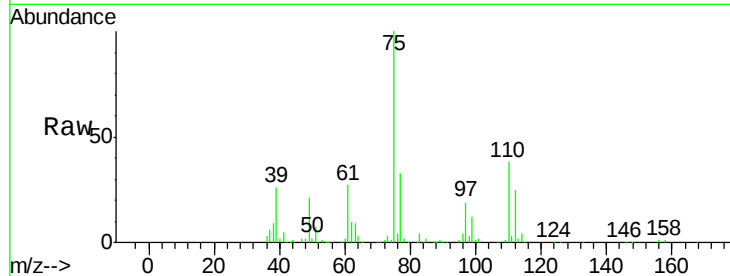




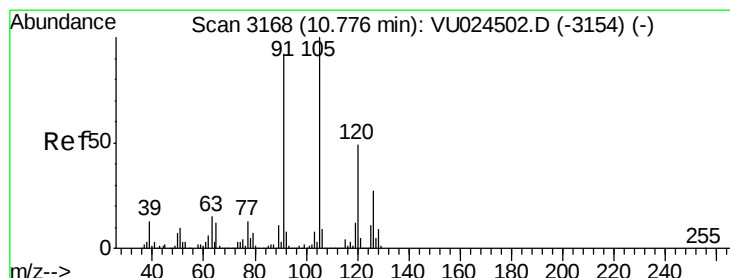
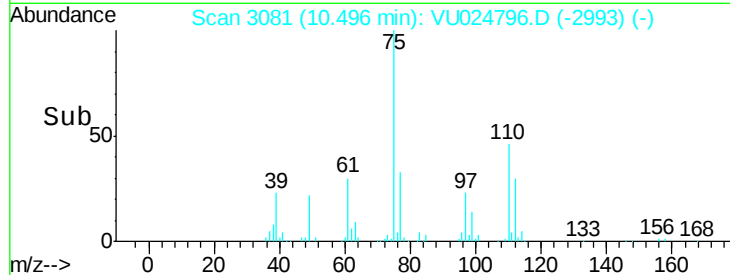
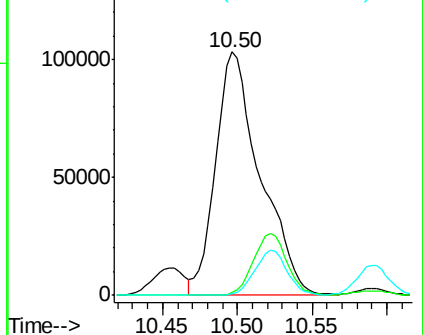
#81
trans-1,4-Dichloro-2-butene
Concen: 143.584 ug/l
RT: 10.50 min Scan# 3081
Delta R.T. -0.02 min
Lab File: VU024796.D
Acq: 21 Jun 2018 07:41

Instrument :
MSVOA_U
ClientSampleId :
BFB

Tgt Ion: 75 Resp: 214942
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0

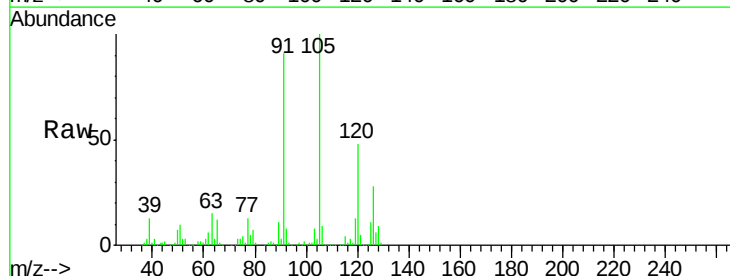


Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 53.00 (52.70 to 53.70): VU0
Ion 88.90 (88.60 to 89.60): VU0

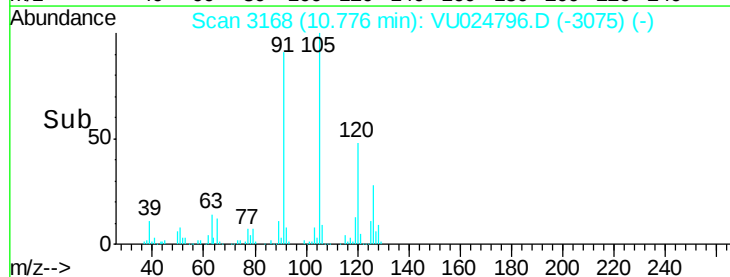
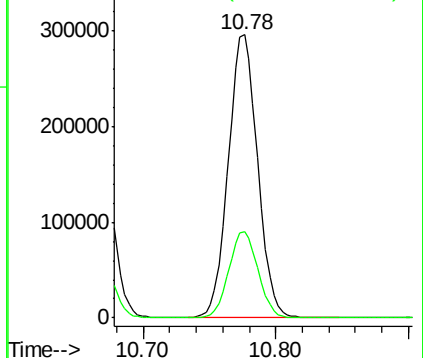


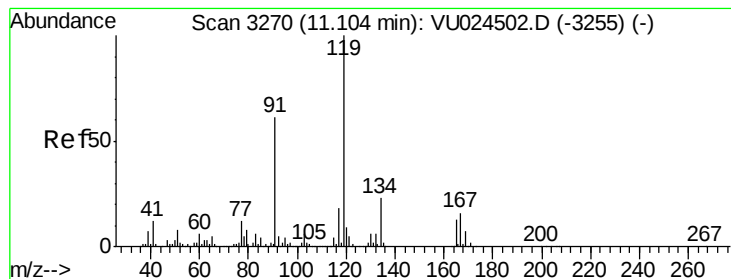
#82
4-Chlorotoluene
Concen: 46.309 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VU024796.D
Acq: 21 Jun 2018 07:41

Tgt Ion: 91 Resp: 452378
Ion Ratio Lower Upper
91 100
126 30.5 14.9 44.9



Abundance Ion 91.00 (90.70 to 91.70): VU0
Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 49.382 ug/l

RT: 11.10 min Scan# 3270

Delta R.T. 0.00 min

Lab File: VU024796.D

Acq: 21 Jun 2018 07:41

Instrument :

MSVOA_U

ClientSampled :

BFB

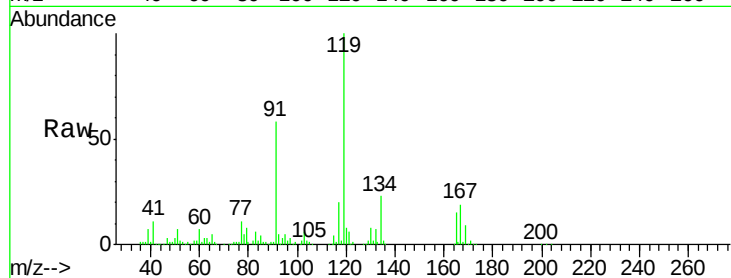
Tgt Ion:119 Resp: 497437

Ion Ratio Lower Upper

119 100

91 58.3 29.7 89.1

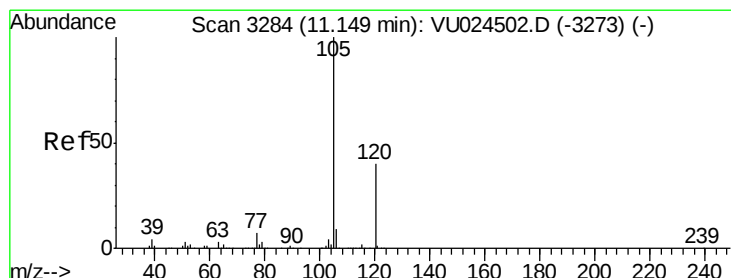
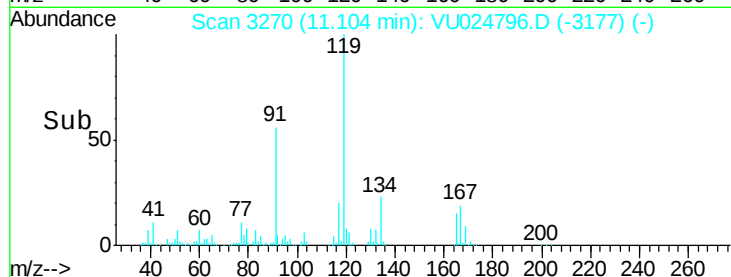
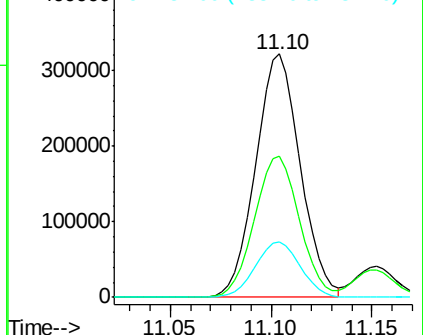
134 22.8 11.6 34.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 47.566 ug/l

RT: 11.15 min Scan# 3285

Delta R.T. 0.00 min

Lab File: VU024796.D

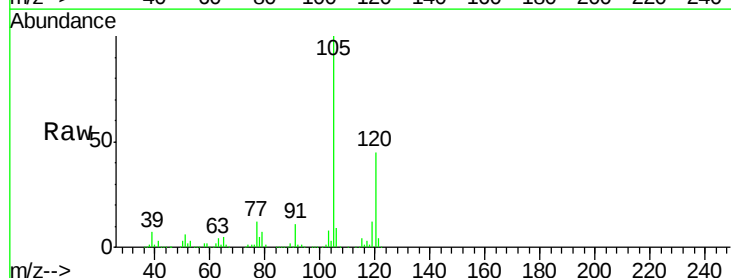
Acq: 21 Jun 2018 07:41

Tgt Ion:105 Resp: 507622

Ion Ratio Lower Upper

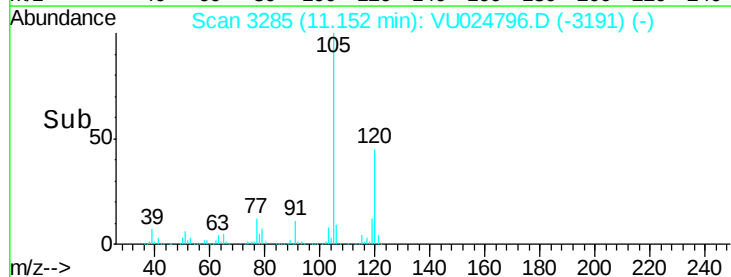
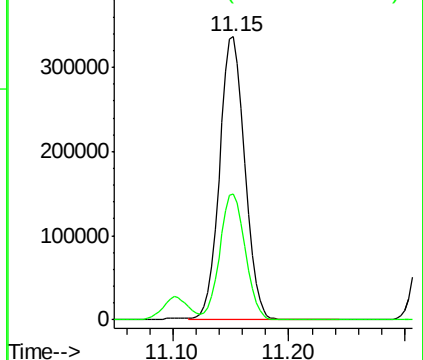
105 100

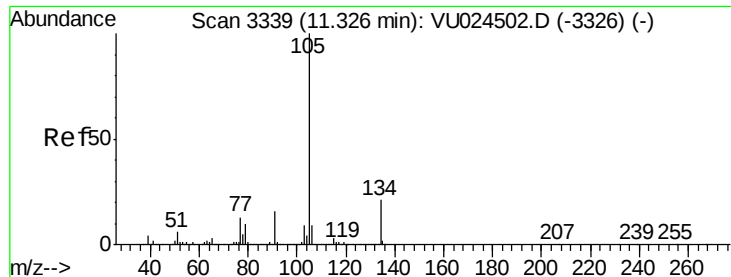
120 44.8 22.6 67.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

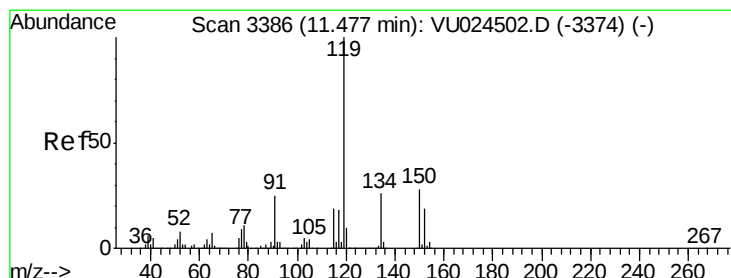
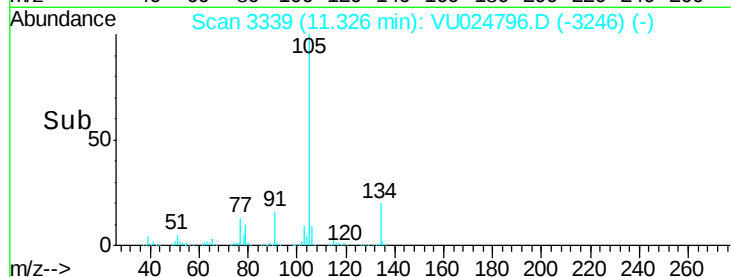
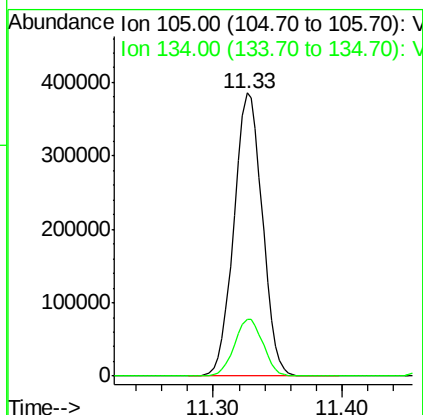
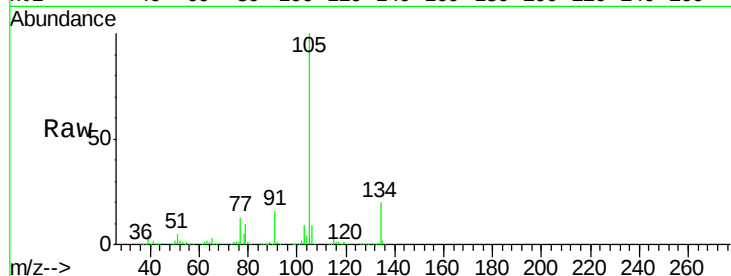




#85
 sec-Butylbenzene
 Concen: 46.697 ug/l
 RT: 11.33 min Scan# 3339
 Delta R.T. 0.00 min
 Lab File: VU024796.D
 Acq: 21 Jun 2018 07:41

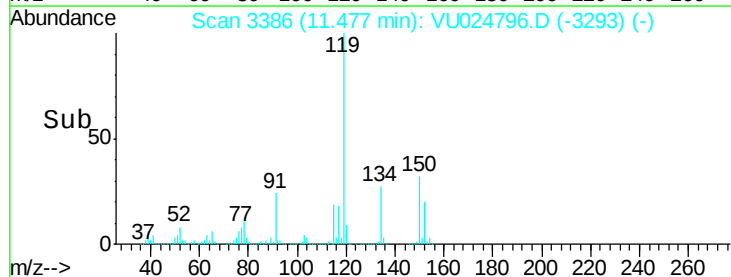
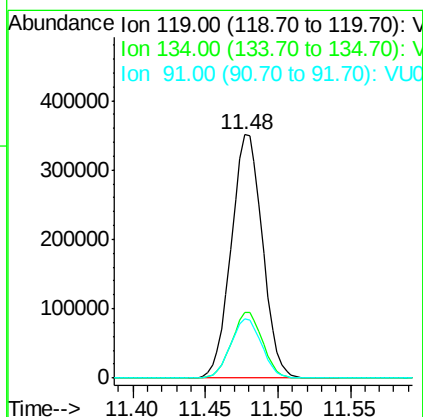
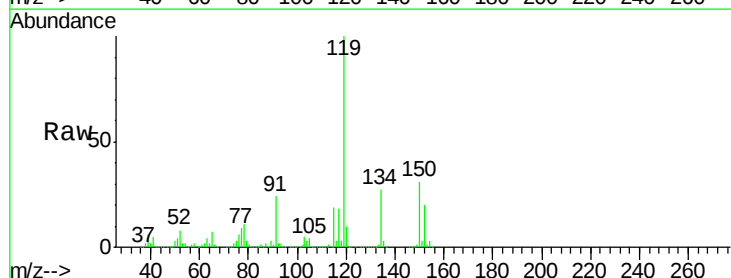
Instrument :
 MSVOA_U
 ClientSampled :
 BFB

Tgt Ion:105 Resp: 588800
 Ion Ratio Lower Upper
 105 100
 134 20.3 9.7 29.1



#86
 p-Isopropyltoluene
 Concen: 46.504 ug/l
 RT: 11.48 min Scan# 3386
 Delta R.T. 0.00 min
 Lab File: VU024796.D
 Acq: 21 Jun 2018 07:41

Tgt Ion:119 Resp: 525163
 Ion Ratio Lower Upper
 119 100
 134 26.8 12.9 38.6
 91 24.2 12.0 36.1

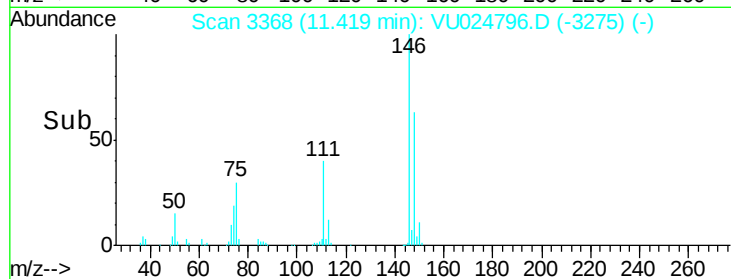
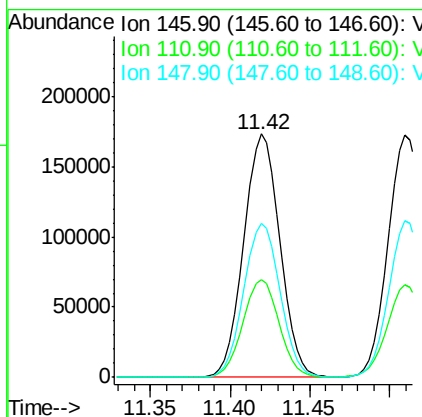
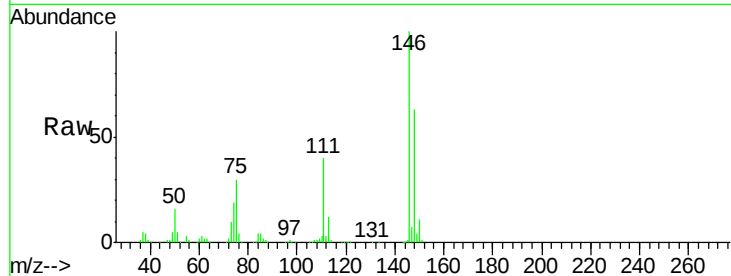




#87
 1,3-Dichlorobenzene
 Concen: 47.327 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU024796.D
 Acq: 21 Jun 2018 07:41

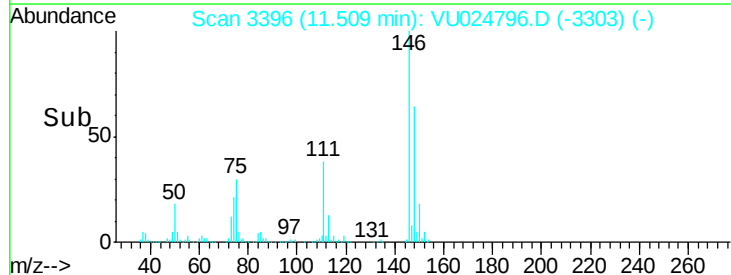
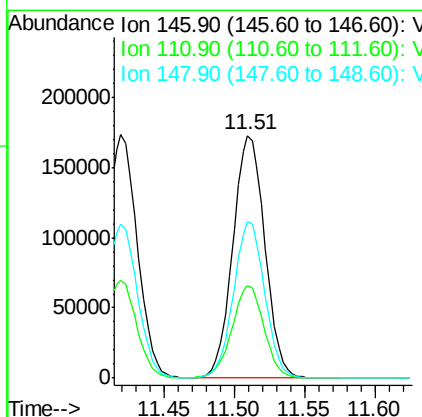
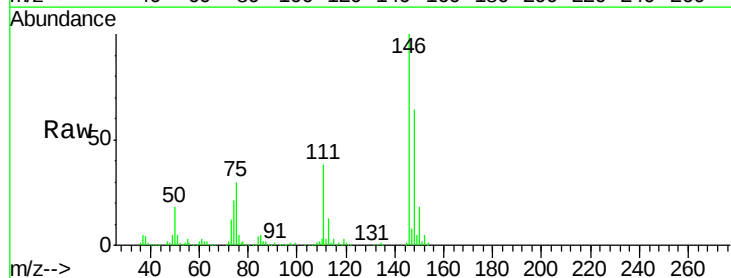
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB

Tgt Ion:146 Resp: 267444
 Ion Ratio Lower Upper
 146 100
 111 40.1 20.0 60.0
 148 63.5 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 48.114 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU024796.D
 Acq: 21 Jun 2018 07:41

Tgt Ion:146 Resp: 273658
 Ion Ratio Lower Upper
 146 100
 111 38.5 19.5 58.5
 148 63.4 32.4 97.0





#89

n-Butylbenzene

Concen: 43.286 ug/l

RT: 11.89 min Scan# 3515

Delta R.T. 0.00 min

Lab File: VU024796.D

Acq: 21 Jun 2018 07:41

Instrument :

MSVOA_U

ClientSampled :

BFB

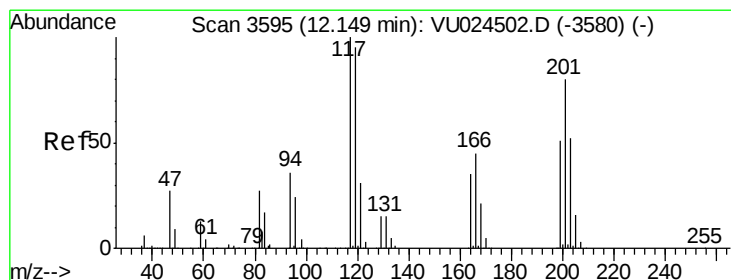
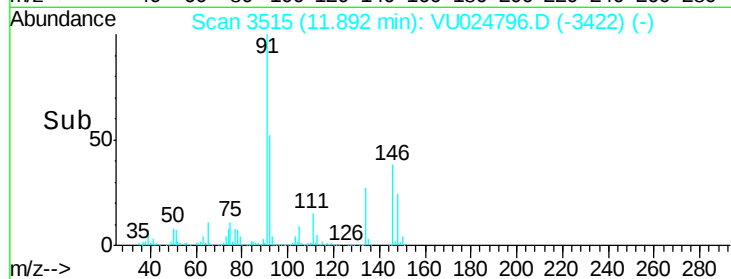
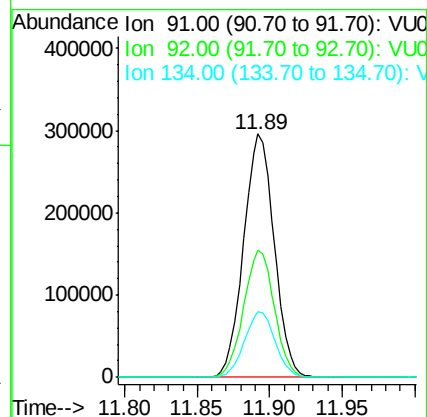
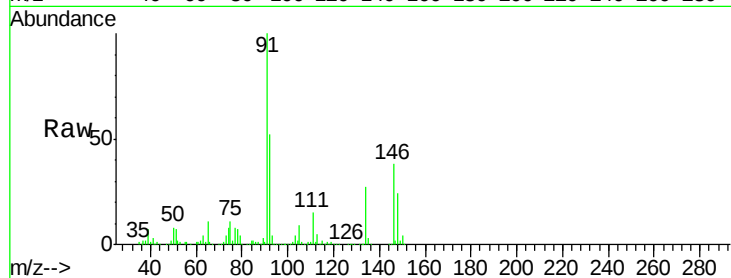
Tgt Ion: 91 Resp: 433983

Ion Ratio Lower Upper

91 100

92 52.3 25.6 76.8

134 27.0 12.3 36.8



#90

Hexachloroethane

Concen: 43.516 ug/l

RT: 12.15 min Scan# 3595

Delta R.T. 0.00 min

Lab File: VU024796.D

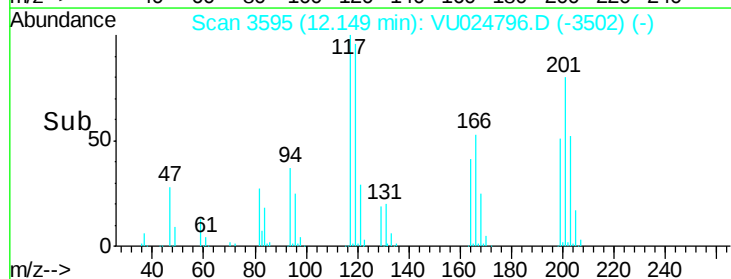
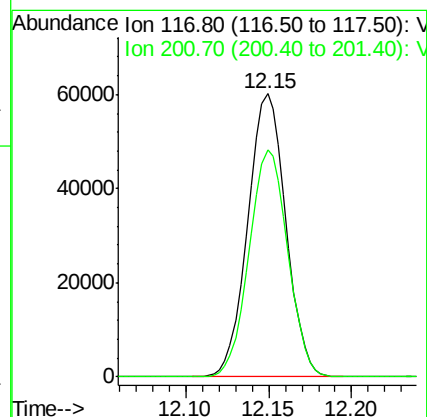
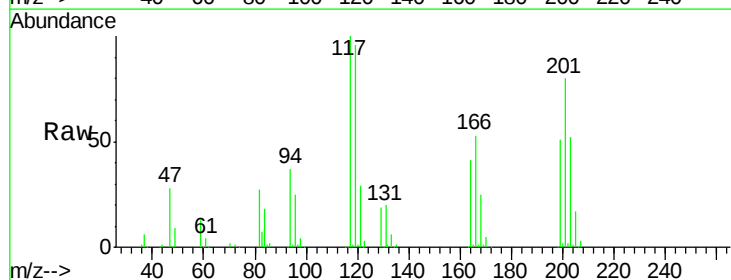
Acq: 21 Jun 2018 07:41

Tgt Ion: 117 Resp: 95865

Ion Ratio Lower Upper

117 100

201 81.5 41.1 123.3





#91

1,2-Dichlorobenzene

Concen: 48.968 ug/l

RT: 11.88 min Scan# 3512

Delta R.T. 0.00 min

Lab File: VU024796.D

Acq: 21 Jun 2018 07:41

Instrument :

MSVOA_U

ClientSampled :

BFB

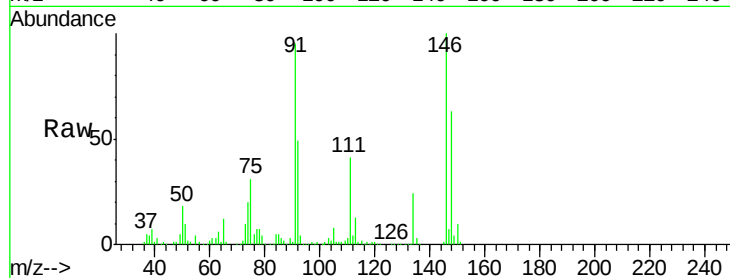
Tgt Ion:146 Resp: 277166

Ion Ratio Lower Upper

146 100

111 41.0 20.5 61.6

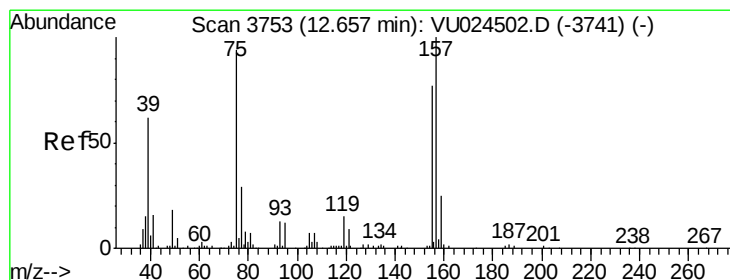
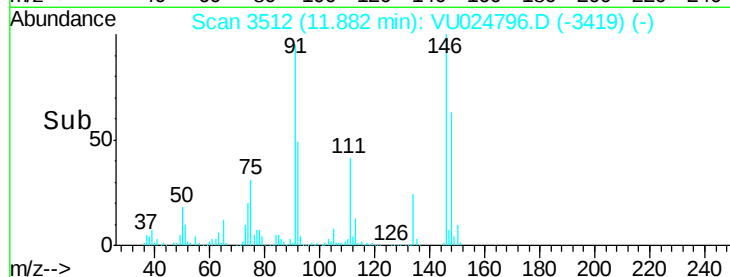
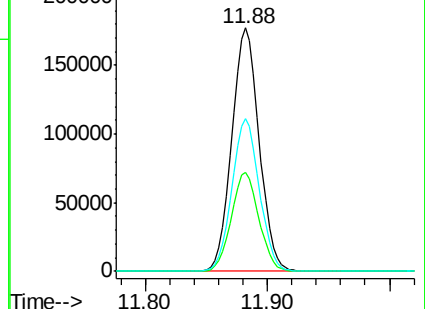
148 62.8 31.9 95.7



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: 46.133 ug/l

RT: 12.66 min Scan# 3754

Delta R.T. 0.00 min

Lab File: VU024796.D

Acq: 21 Jun 2018 07:41

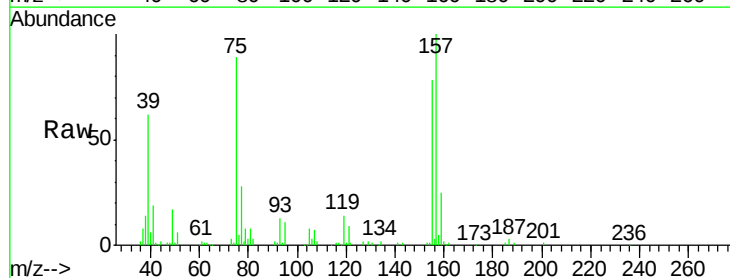
Tgt Ion: 75 Resp: 51537

Ion Ratio Lower Upper

75 100

155 87.7 40.4 121.2

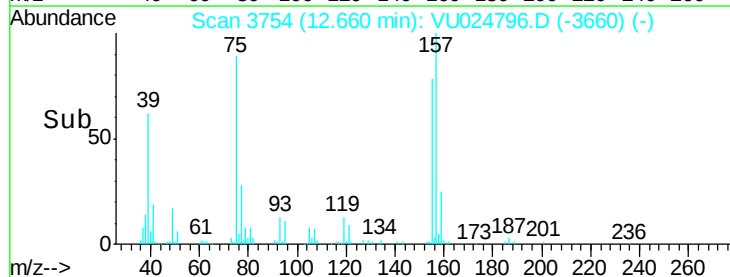
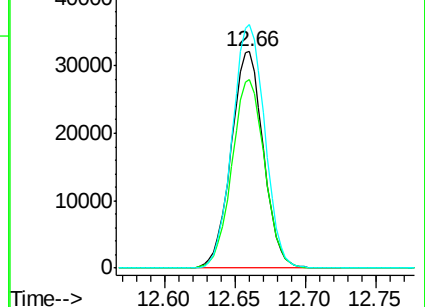
157 113.0 52.3 156.8



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

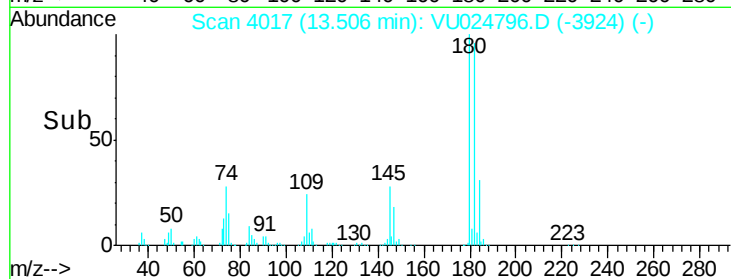
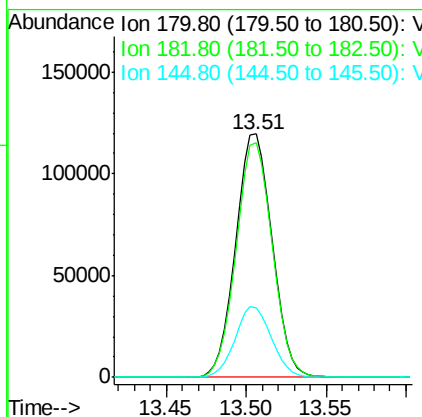
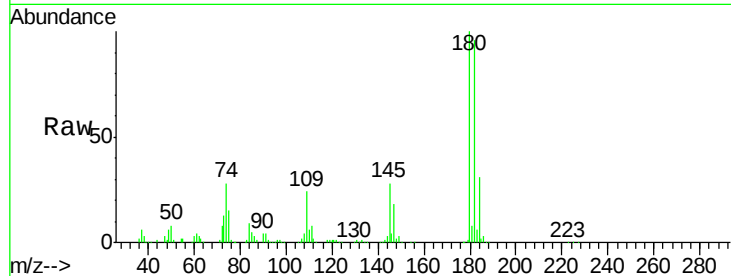




#93
 1,2,4-Trichlorobenzene
 Concen: 52.925 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU024796.D
 Acq: 21 Jun 2018 07:41

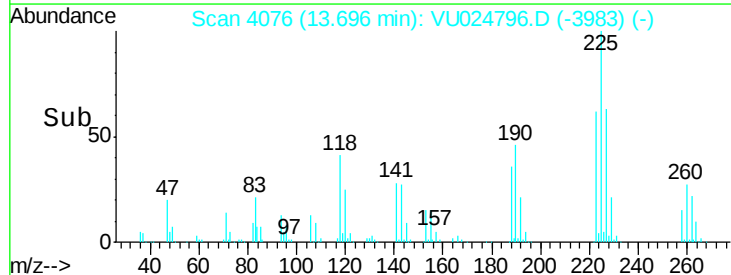
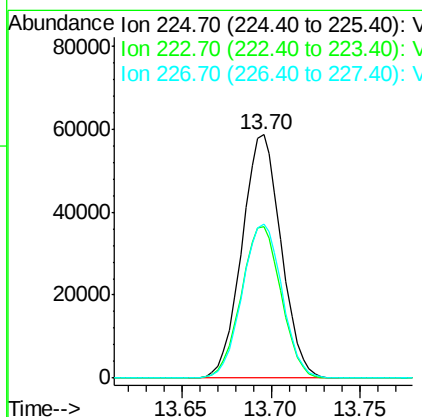
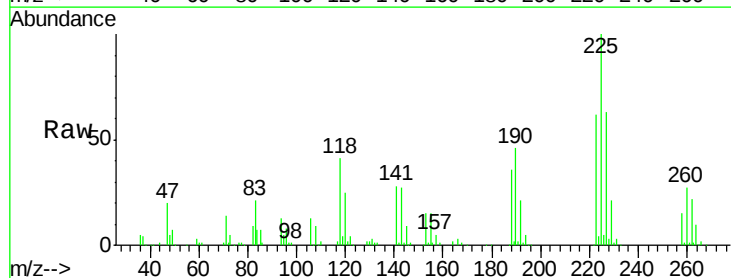
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB

Tgt Ion:180 Resp: 184987
 Ion Ratio Lower Upper
 180 100
 182 96.1 48.0 144.2
 145 28.9 14.7 44.1



#94
 Hexachlorobutadiene
 Concen: 45.820 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU024796.D
 Acq: 21 Jun 2018 07:41

Tgt Ion:225 Resp: 90143
 Ion Ratio Lower Upper
 225 100
 223 63.3 31.3 93.8
 227 64.5 31.8 95.4





#95

Naphthalene

Concen: 52.843 ug/l

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU024796.D

Acq: 21 Jun 2018 07:41

Instrument :

MSVOA_U

ClientSampleId :

BFB

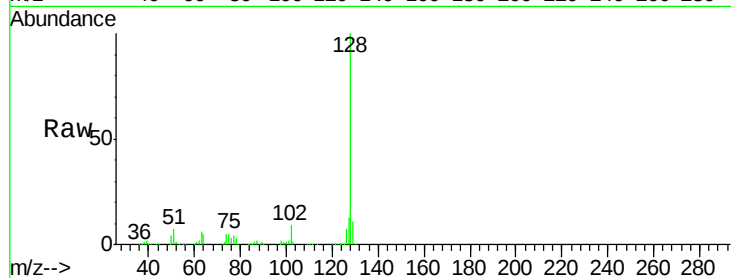
Tgt Ion:128 Resp: 611909

Ion Ratio Lower Upper

128 100

127 13.2 10.6 16.0

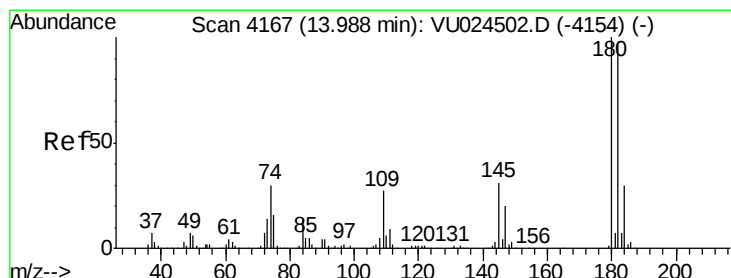
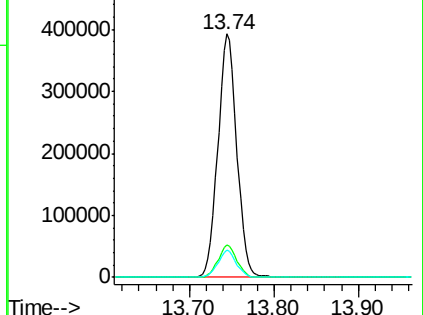
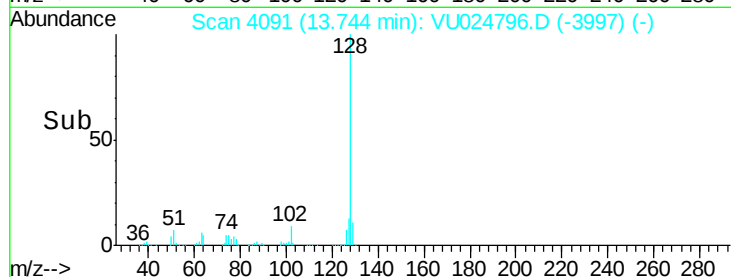
129 10.9 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 56.002 ug/l

RT: 13.99 min Scan# 4167

Delta R.T. 0.00 min

Lab File: VU024796.D

Acq: 21 Jun 2018 07:41

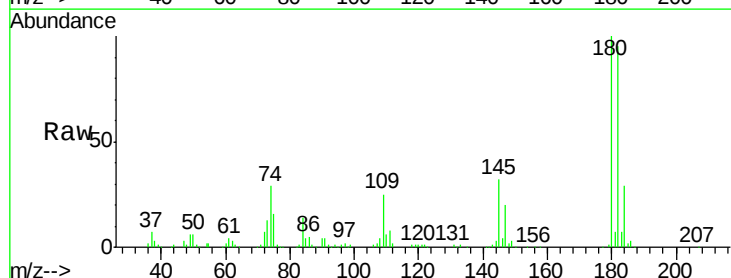
Tgt Ion:180 Resp: 195045

Ion Ratio Lower Upper

180 100

182 95.2 47.9 143.7

145 31.0 15.4 46.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

