

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092218\
 Data File : VU026966.D
 Acq On : 21 Sep 2018 14:05
 Operator : MD/SY
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB

Quant Time: Sep 22 00:45:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 22 00:44:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	75431	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	128666	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	117377	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	49988	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	1942	1.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	3.18%	
35) Dibromofluoromethane	4.88	113	1364	1.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.56%	
50) Toluene-d8	7.57	98	3755	0.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	1.88%	
62) 4-Bromofluorobenzene	10.31	95	1166	0.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	1.64%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.21	85	1004	1.194	ug/l	88
3) Chloromethane	1.33	50	2064	1.689	ug/l	96
4) Vinyl Chloride	1.40	62	1691	1.365	ug/l	89
5) Bromomethane	1.62	94	940	1.237	ug/l	95
6) Chloroethane	1.70	64	981	1.239	ug/l	93
7) Trichlorofluoromethane	1.88	101	1917	1.215	ug/l	89
8) Diethyl Ether	2.11	74	870	1.230	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	2.29	101	1224	1.301	ug/l	89
10) Methyl Iodide	2.41	142	1390	1.692	ug/l #	93
11) Tert butyl alcohol	2.83	59	2108	7.176	ug/l #	72
12) 1,1-Dichloroethene	2.28	96	1095	1.227	ug/l #	86
13) Acrolein	2.20	56	762	3.987	ug/l	97
14) Allyl chloride	2.59	41	2020	1.215	ug/l	95
15) Acrylonitrile	2.94	53	4253	6.613	ug/l	98
16) Acetone	2.32	43	7431	10.836	ug/l	97
17) Carbon Disulfide	2.48	76	3822	1.338	ug/l	99
18) Methyl Acetate	2.62	43	2256	1.482	ug/l #	85
19) Methyl tert-butyl Ether	3.01	73	3646	1.165	ug/l	90
20) Methylene Chloride	2.70	84	1627	1.491	ug/l	87
21) trans-1,2-Dichloroethene	2.99	96	1067	1.127	ug/l	98
22) Diisopropyl ether	3.57	45	3800	1.091	ug/l #	82
23) Vinyl Acetate	3.53	43	15950	5.396	ug/l	99
24) 1,1-Dichloroethane	3.45	63	2378	1.226	ug/l #	84
25) 2-Butanone	4.28	43	6240	6.668	ug/l	95
26) 2,2-Dichloropropane	4.23	77	1936	1.229	ug/l #	65
27) cis-1,2-Dichloroethene	4.23	96	1181	1.089	ug/l	92
28) Bromochloromethane	4.55	49	1006	1.077	ug/l #	89
29) Tetrahydrofuran	4.65	42	3438	6.035	ug/l	91
30) Chloroform	4.67	83	2413	1.280	ug/l	99
31) Cyclohexane	4.99	56	3770	1.885	ug/l #	2
32) 1,1,1-Trichloroethane	4.93	97	1670	1.079	ug/l #	49
36) 1,1-Dichloropropene	5.14	75	1631	1.098	ug/l	86
37) Ethyl Acetate	4.39	43	2471	1.347	ug/l #	76
38) Carbon Tetrachloride	5.13	117	1569	1.015	ug/l	89

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 Quant Title : SW846 8260
 QLast Update : Sat Sep 22 00:44:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	1496	0.855	ug/l	98
40) Benzene	5.40	78	4961	1.080	ug/l	95
41) Methacrylonitrile	4.56	41	895	0.936	ug/l #	29
42) 1,2-Dichloroethane	5.41	62	1844	1.107	ug/l	83
43) Isopropyl Acetate	5.56	43	2781	1.003	ug/l #	93
44) Trichloroethene	6.19	130	973	0.876	ug/l	89
45) 1,2-Dichloropropane	6.43	63	1311	1.040	ug/l	96
46) Dibromomethane	6.57	93	838	1.047	ug/l	93
47) Bromodichloromethane	6.76	83	1797	1.134	ug/l #	92
48) Methyl methacrylate	6.63	41	1136	0.827	ug/l	98
49) 1,4-Dioxane	6.62	88	475	15.389	ug/l #	84
51) 4-Methyl-2-Pentanone	7.47	43	8340	4.460	ug/l	94
52) Toluene	7.64	92	2393	0.872	ug/l	94
53) t-1,3-Dichloropropene	7.89	75	1511	0.855	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	1774	0.931	ug/l	96
55) 1,1,2-Trichloroethane	8.07	97	1061	0.908	ug/l	94
56) Ethyl methacrylate	8.03	69	1171	0.680	ug/l	95
57) 1,3-Dichloropropane	8.25	76	1957	0.966	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	3243	3.677	ug/l	92
59) 2-Hexanone	8.37	43	7197	4.918	ug/l	87
60) Dibromochloromethane	8.48	129	1084	0.875	ug/l	98
61) 1,2-Dibromoethane	8.59	107	1113	0.882	ug/l	90
64) Tetrachloroethene	8.23	164	955	1.035	ug/l #	78
65) Chlorobenzene	9.12	112	3312	1.134	ug/l	94
66) 1,1,1,2-Tetrachloroethane	9.21	131	936	0.875	ug/l #	59
67) Ethyl Benzene	9.25	91	4357	0.897	ug/l	92
68) m/p-Xylenes	9.38	106	2651	1.443	ug/l	90
69) o-Xylene	9.78	106	1369	0.768	ug/l	97
70) Styrene	9.80	104	1883	0.645	ug/l	93
71) Bromoform	9.96	173	658	0.723	ug/l #	99
73) Isopropylbenzene	10.17	105	3136	0.899	ug/l	100
74) N-amyl acetate	10.02	43	2059	1.210	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	10.46	83	2045	1.422	ug/l	98
76) 1,2,3-Trichloropropane	10.50	75	2164	1.849	ug/l	76
77) Bromobenzene	10.46	156	953	1.025	ug/l	91
78) n-propylbenzene	10.59	91	3417	0.837	ug/l	97
79) 2-Chlorotoluene	10.66	91	2545	1.008	ug/l	98
80) 1,3,5-Trimethylbenzene	10.77	105	2334	0.797	ug/l	91
81) trans-1,4-Dichloro-2-buten	10.50	75	2164	5.404	ug/l #	100
82) 4-Chlorotoluene	10.77	91	2546	0.897	ug/l	100
83) tert-Butylbenzene	11.10	119	2801	0.951	ug/l	94
84) 1,2,4-Trimethylbenzene	11.15	105	2351	0.795	ug/l	93
85) sec-Butylbenzene	11.33	105	2782	0.790	ug/l	100
86) p-Isopropyltoluene	11.48	119	2231	0.730	ug/l	86
87) 1,3-Dichlorobenzene	11.42	146	1724	0.994	ug/l	89
88) 1,4-Dichlorobenzene	11.51	146	2390	1.324	ug/l	96
89) n-Butylbenzene	11.89	91	2112	0.782	ug/l	86
90) Hexachloroethane	12.15	117	774	1.255	ug/l	95
91) 1,2-Dichlorobenzene	11.88	146	2203	1.264	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	12.66	75	351	1.217	ug/l	96

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QLast Update : Sat Sep 22 00:44:52 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	905	0.794	ug/l	89
94) Hexachlorobutadiene	13.70	225	521	0.889	ug/l	92
95) Naphthalene	13.75	128	2958	0.839	ug/l #	85
96) 1,2,3-Trichlorobenzene	13.99	180	1023	0.855	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU026966.D

Acq: 21 Sep 2018 14:05

Instrument :

MSVOA_U

ClientSampleId :

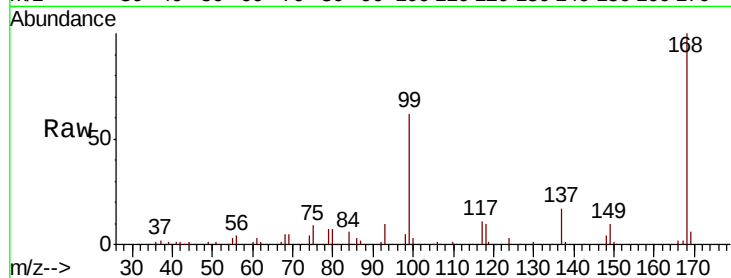
BFB

Tgt Ion:168 Resp: 75431

Ion Ratio Lower Upper

168 100

99 60.8 48.1 72.1



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

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

4.99

30000

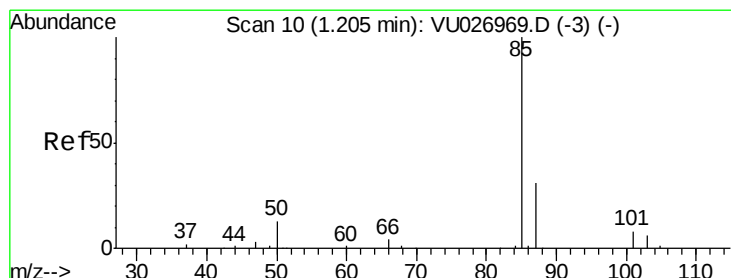
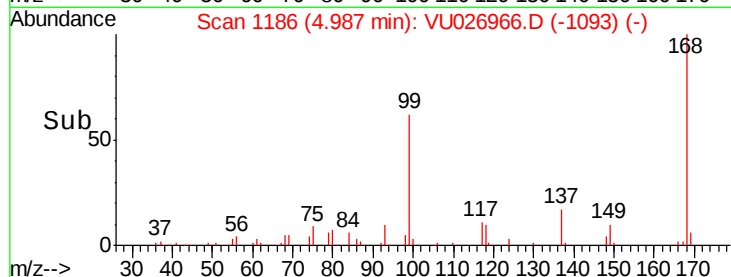
20000

10000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 1.194 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU026966.D

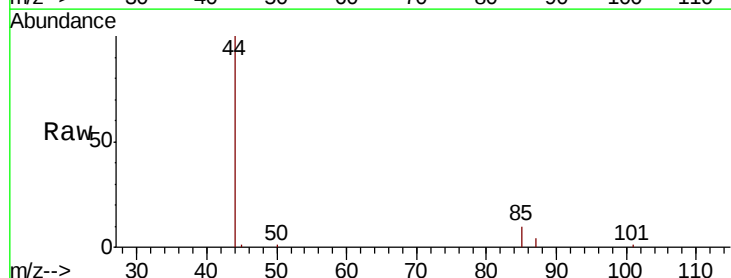
Acq: 21 Sep 2018 14:05

Tgt Ion: 85 Resp: 1004

Ion Ratio Lower Upper

85 100

87 37.6 15.6 46.7



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

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

1.21

1000

800

600

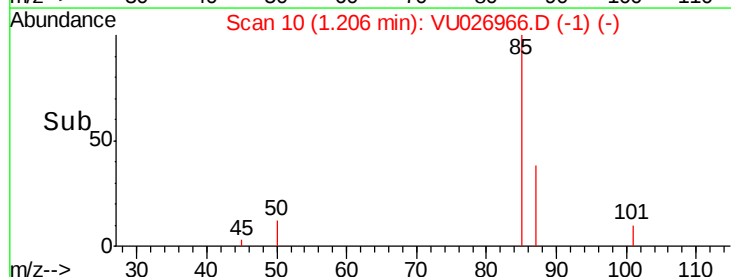
400

200

0

1.18 1.20 1.22 1.24

Time-->





#3

Chloromethane

Concen: 1.689 ug/l

RT: 1.33 min Scan# 49

Delta R.T. 0.00 min

Lab File: VU026966.D

Acq: 21 Sep 2018 14:05

Instrument :

MSVOA_U

ClientSampled :

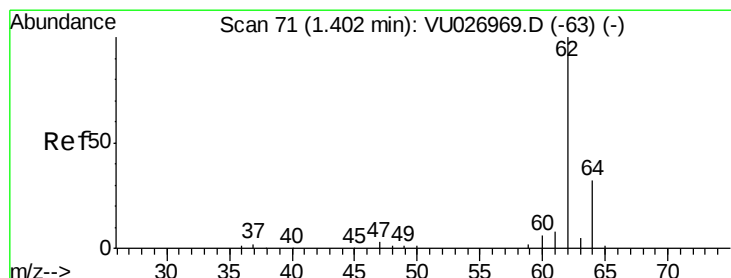
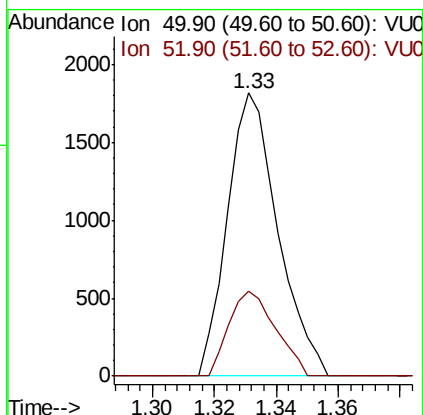
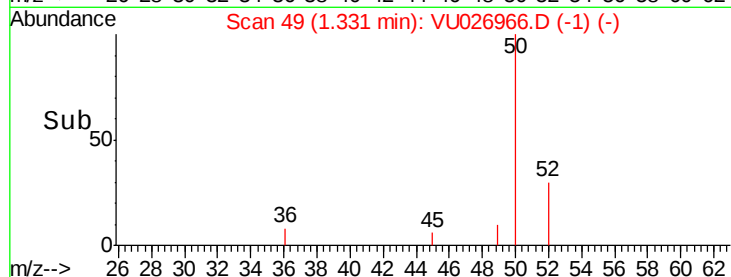
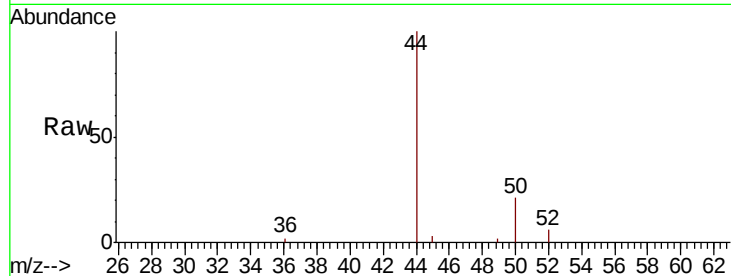
BFB

Tgt Ion: 50 Resp: 2064

Ion Ratio Lower Upper

50 100

52 30.2 25.9 38.9



#4

Vinyl Chloride

Concen: 1.365 ug/l

RT: 1.40 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU026966.D

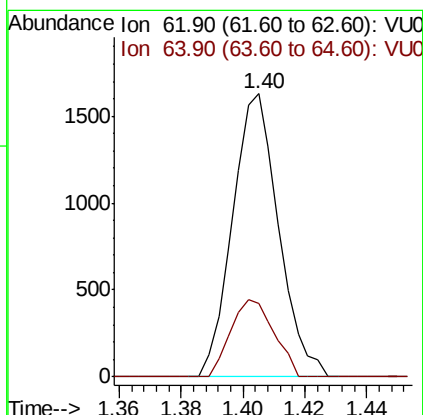
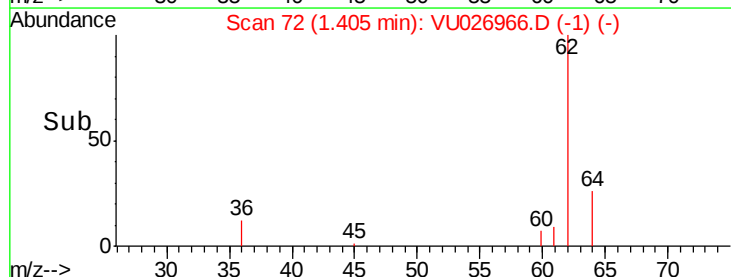
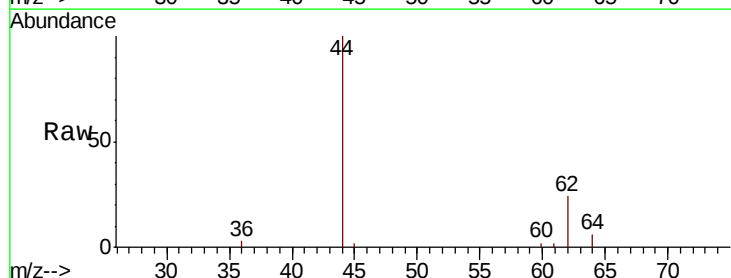
Acq: 21 Sep 2018 14:05

Tgt Ion: 62 Resp: 1691

Ion Ratio Lower Upper

62 100

64 25.8 25.5 38.3

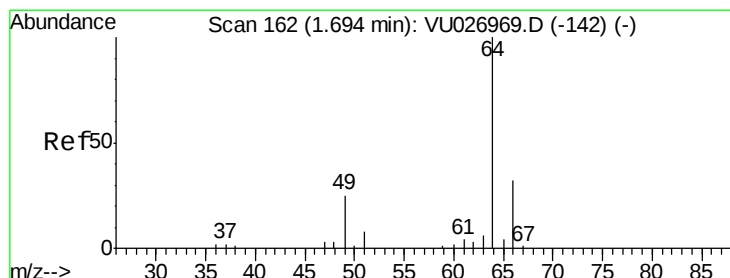
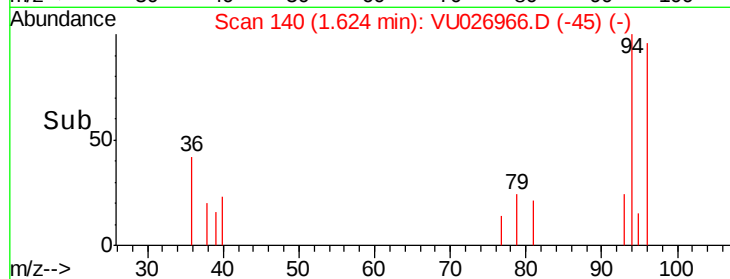
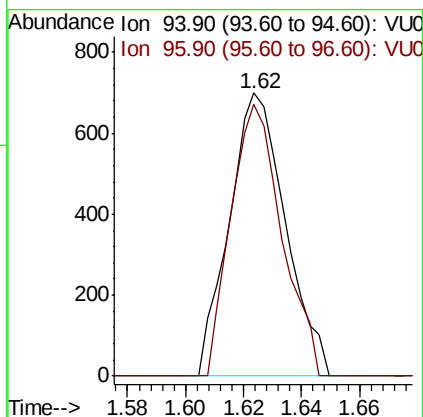
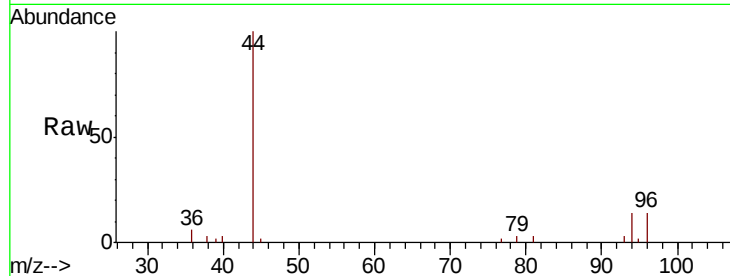




#5
Bromomethane
Concen: 1.237 ug/l
RT: 1.62 min Scan# 140
Delta R.T. 0.01 min
Lab File: VU026966.D
Acq: 21 Sep 2018 14:05

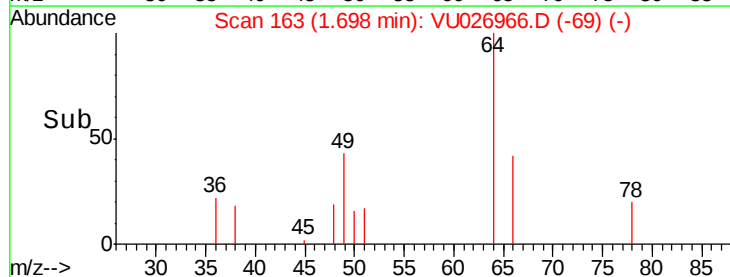
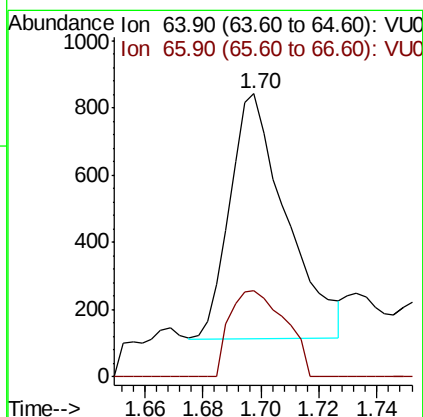
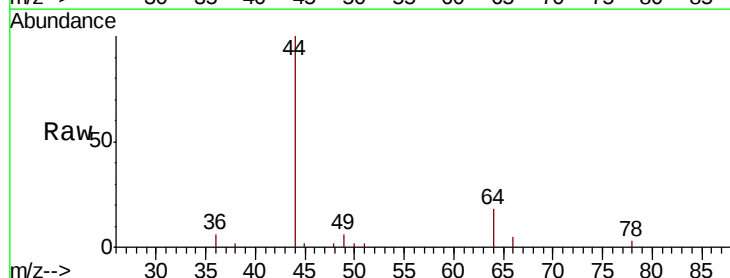
Instrument :
MSVOA_U
ClientSampled :
BFB

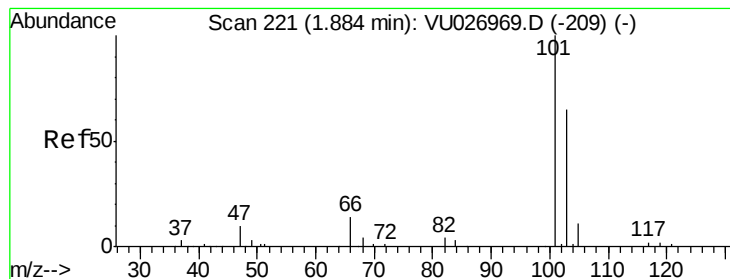
Tgt Ion: 94 Resp: 940
Ion Ratio Lower Upper
94 100
96 96.0 73.2 109.8



#6
Chloroethane
Concen: 1.239 ug/l
RT: 1.70 min Scan# 163
Delta R.T. 0.00 min
Lab File: VU026966.D
Acq: 21 Sep 2018 14:05

Tgt Ion: 64 Resp: 981
Ion Ratio Lower Upper
64 100
66 35.2 25.3 37.9





#7

Trichlorofluoromethane

Concen: 1.215 ug/l

RT: 1.88 min Scan# 221

Delta R.T. 0.00 min

Lab File: VU026966.D

Acq: 21 Sep 2018 14:05

Instrument :

MSVOA_U

ClientSampleId :

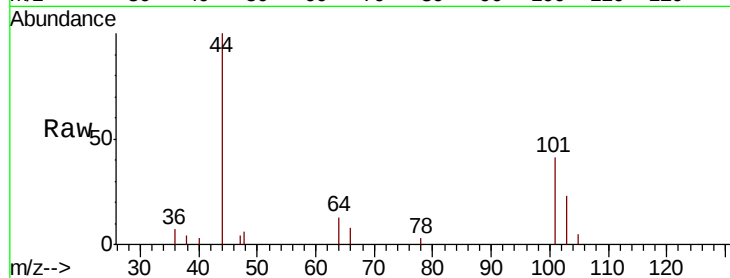
BFB

Tgt Ion: 101 Resp: 1917

Ion Ratio Lower Upper

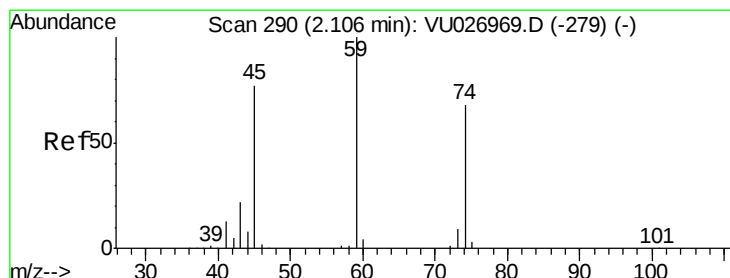
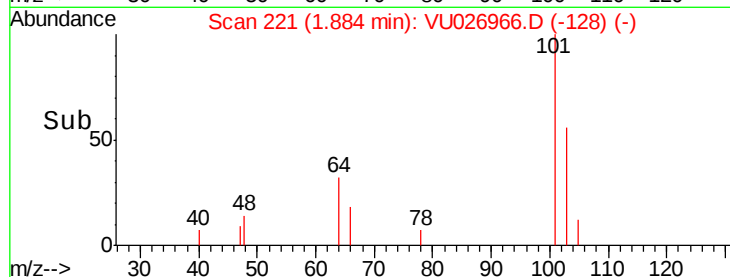
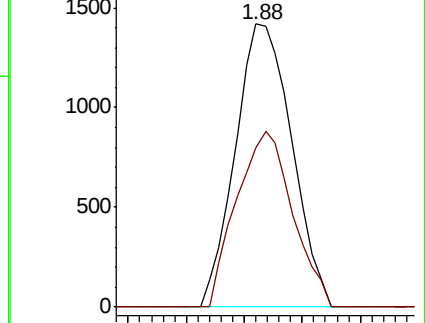
101 100

103 56.3 52.2 78.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 1.230 ug/l

RT: 2.11 min Scan# 290

Delta R.T. 0.00 min

Lab File: VU026966.D

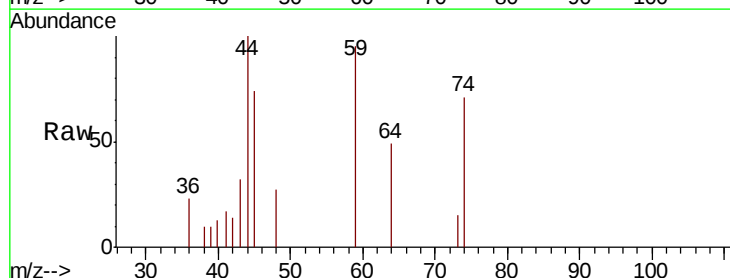
Acq: 21 Sep 2018 14:05

Tgt Ion: 74 Resp: 870

Ion Ratio Lower Upper

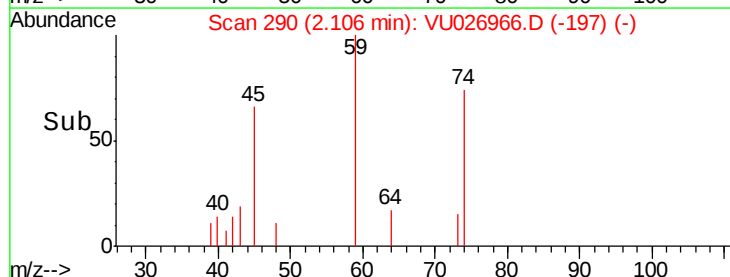
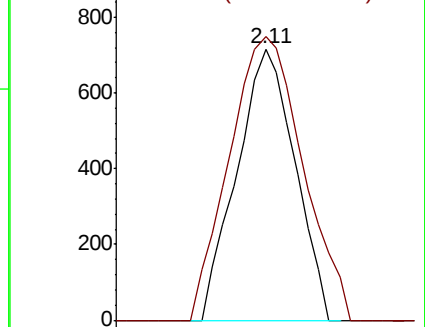
74 100

45 132.8 56.9 170.7



Abundance Ion 74.00 (73.70 to 74.70): VU0

Ion 45.00 (44.70 to 45.70): VU0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.301 ug/l

RT: 2.29 min Scan# 347

Delta R.T. 0.00 min

Lab File: VU026966.D

Acq: 21 Sep 2018 14:05

Instrument :

MSVOA_U

ClientSampleId :

BFB

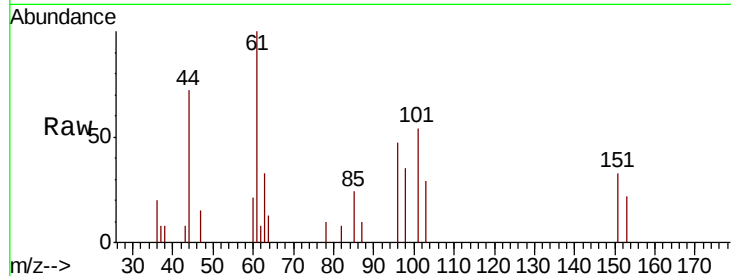
Tgt Ion:101 Resp: 1224

Ion Ratio Lower Upper

101 100

85 36.4 36.2 54.2

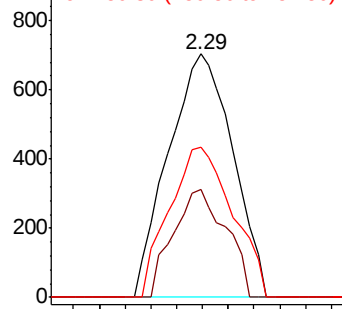
151 60.7 54.5 81.7



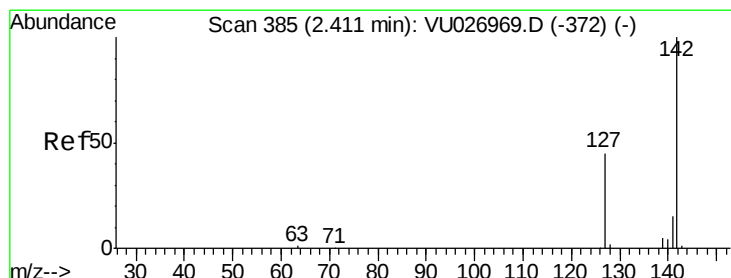
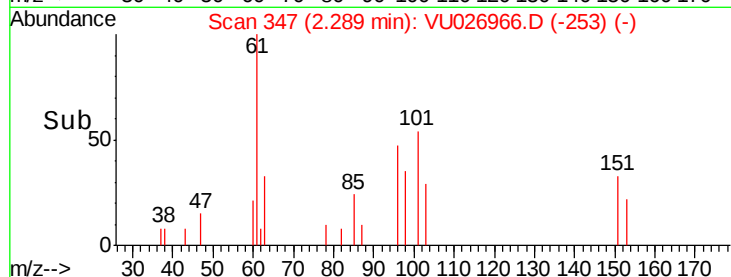
Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V



Time-->



#10

Methyl Iodide

Concen: 1.692 ug/l

RT: 2.41 min Scan# 385

Delta R.T. 0.00 min

Lab File: VU026966.D

Acq: 21 Sep 2018 14:05

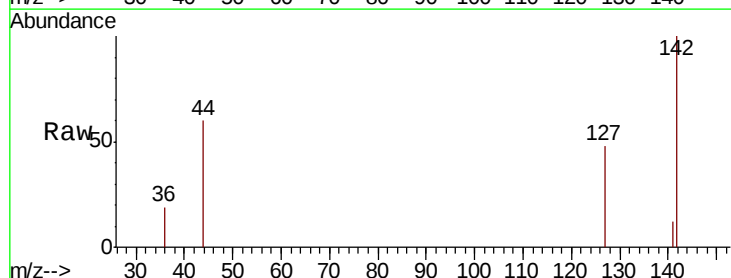
Tgt Ion:142 Resp: 1390

Ion Ratio Lower Upper

142 100

127 44.7 36.7 55.1

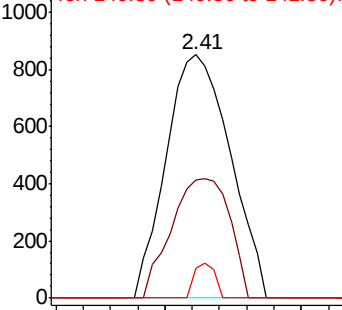
141 4.5 11.8 17.6#



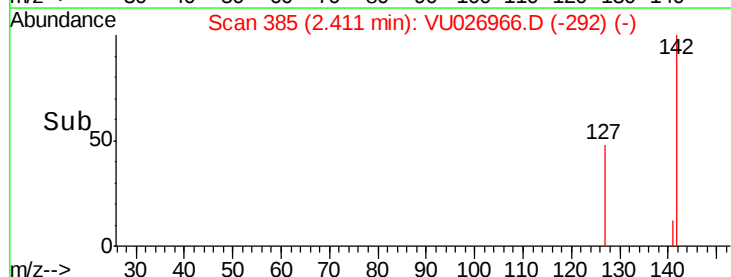
Abundance Ion 141.80 (141.50 to 142.50): V

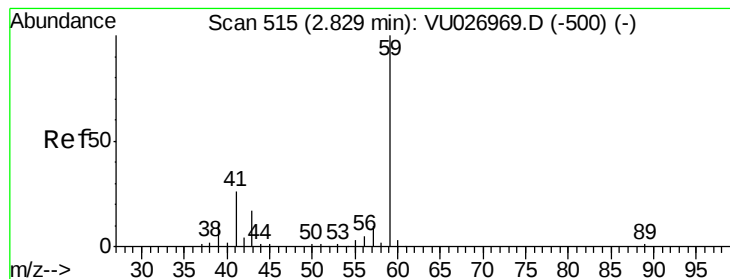
Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



Time-->



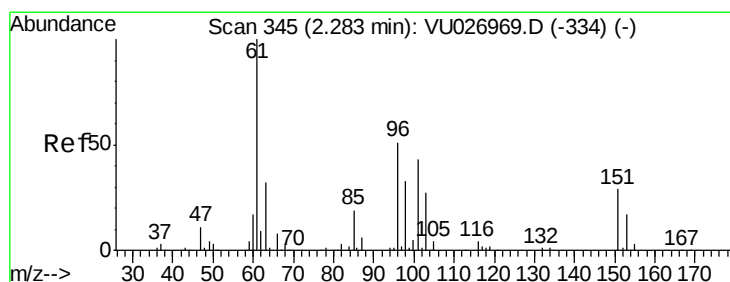
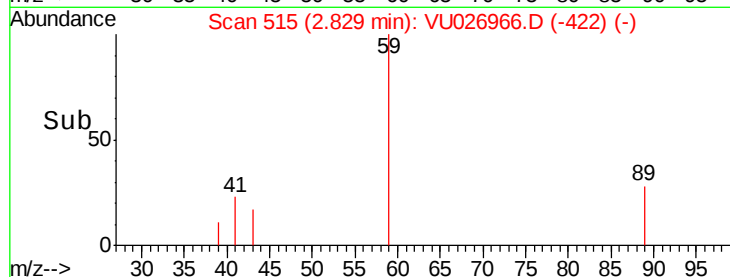
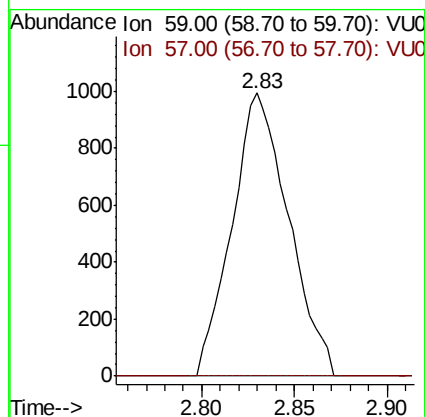
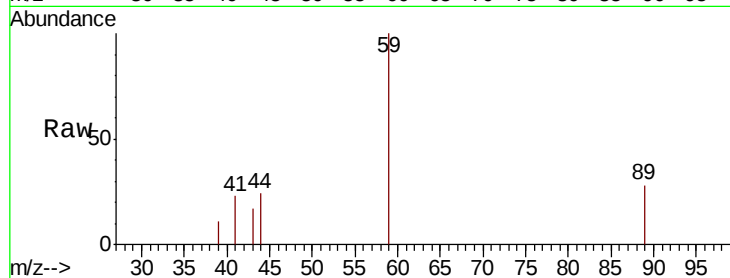


#11

Tert butyl alcohol
 Concen: 7.176 ug/l
 RT: 2.83 min Scan# 515
 Delta R.T. 0.00 min
 Lab File: VU026966.D
 Acq: 21 Sep 2018 14:05

Instrument :
 MSVOA_U
 ClientSampled :
 BFB

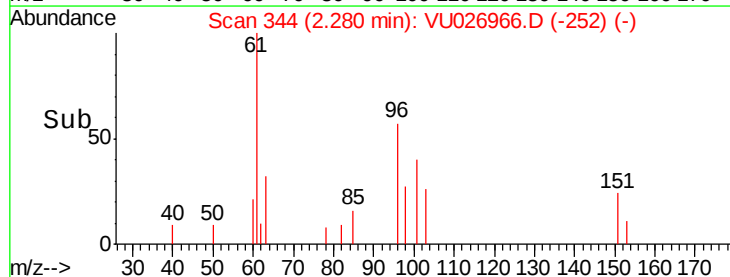
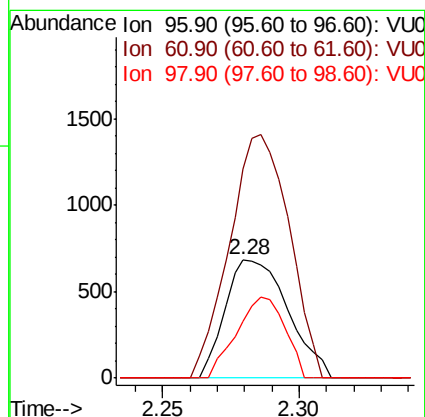
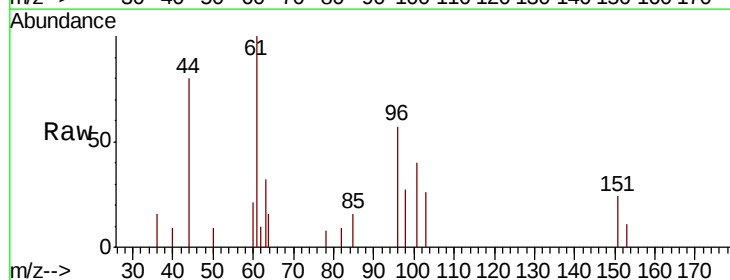
Tgt Ion: 59 Resp: 2108
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#

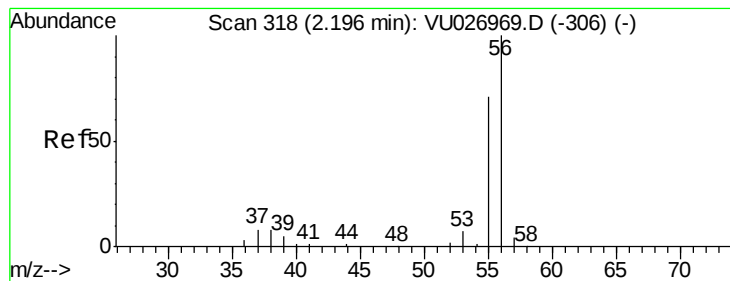


#12

1,1-Dichloroethene
 Concen: 1.227 ug/l
 RT: 2.28 min Scan# 344
 Delta R.T. -0.00 min
 Lab File: VU026966.D
 Acq: 21 Sep 2018 14:05

Tgt Ion: 96 Resp: 1095
 Ion Ratio Lower Upper
 96 100
 61 176.8 156.1 234.1
 98 48.1 51.4 77.0#





#13

Acrolein

Concen: 3.987 ug/l

RT: 2.20 min Scan# 318

Delta R.T. 0.00 min

Lab File: VU026966.D

Acq: 21 Sep 2018 14:05

Instrument :

MSVOA_U

ClientSampled :

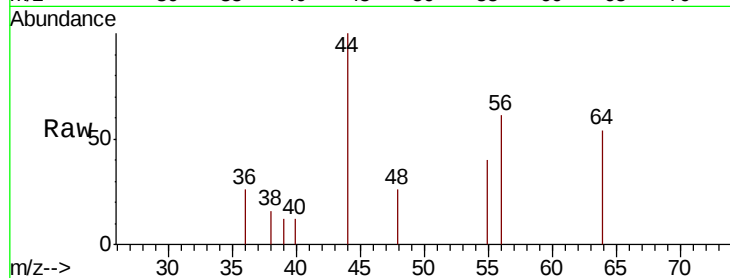
BFB

Tgt Ion: 56 Resp: 762

Ion Ratio Lower Upper

56 100

55 74.1 57.1 85.7



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

2.20

600

500

400

300

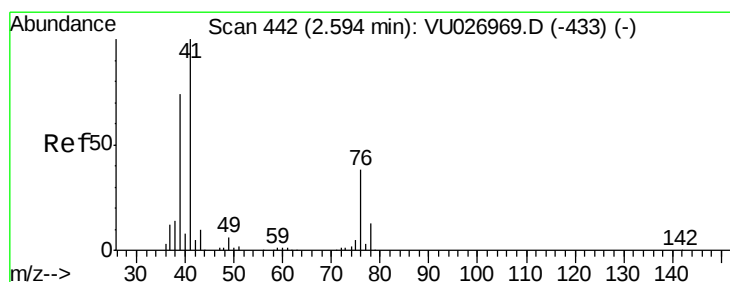
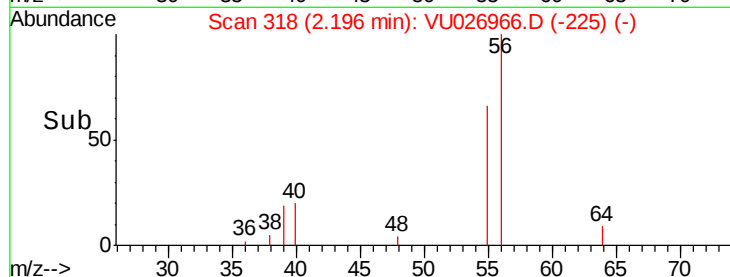
200

100

0

Time-->

2.16 2.18 2.20 2.22



#14

Allyl chloride

Concen: 1.215 ug/l

RT: 2.59 min Scan# 442

Delta R.T. 0.00 min

Lab File: VU026966.D

Acq: 21 Sep 2018 14:05

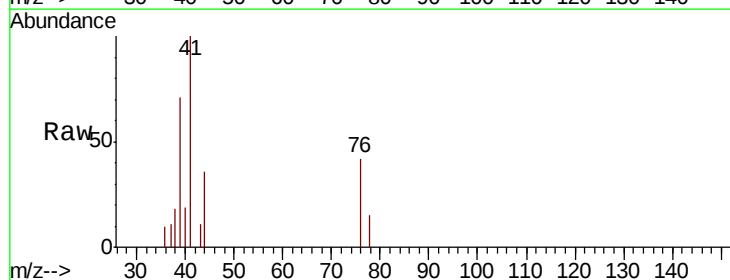
Tgt Ion: 41 Resp: 2020

Ion Ratio Lower Upper

41 100

39 72.0 55.7 83.5

76 37.5 26.5 39.7



Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0

1500

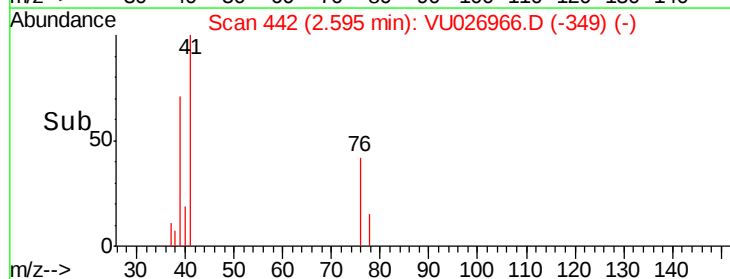
1000

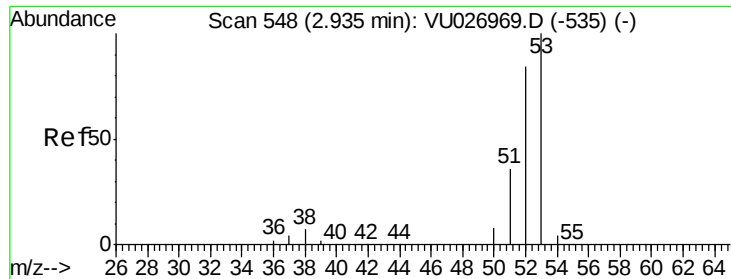
500

0

Time-->

2.55 2.60





#15

Acrylonitrile

Concen: 6.613 ug/l

RT: 2.94 min Scan# 549

Delta R.T. 0.00 min

Lab File: VU026966.D

Acq: 21 Sep 2018 14:05

Instrument :

MSVOA_U

ClientSampled :

BFB

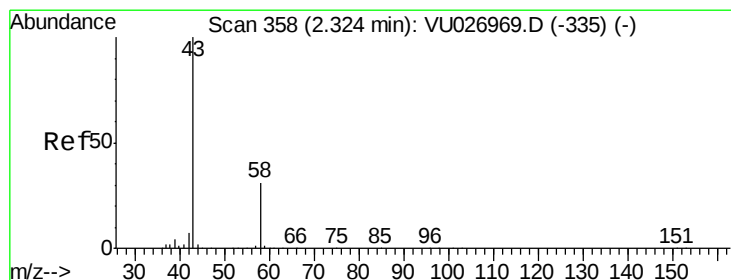
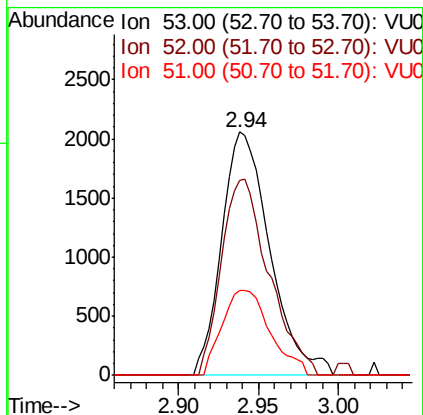
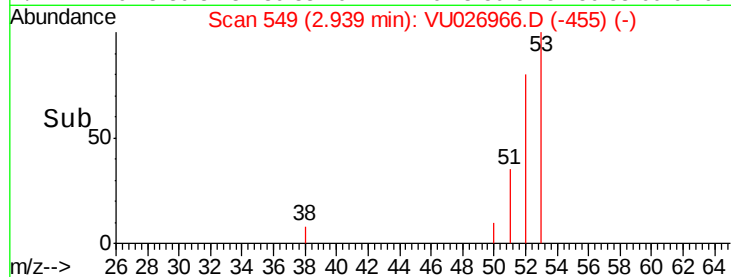
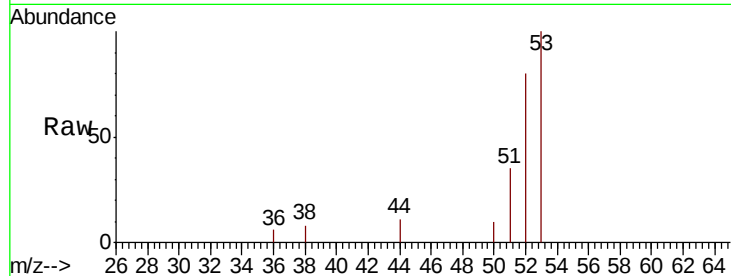
Tgt Ion: 53 Resp: 4253

Ion Ratio Lower Upper

53 100

52 79.3 65.7 98.5

51 34.8 27.4 41.2



#16

Acetone

Concen: 10.836 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU026966.D

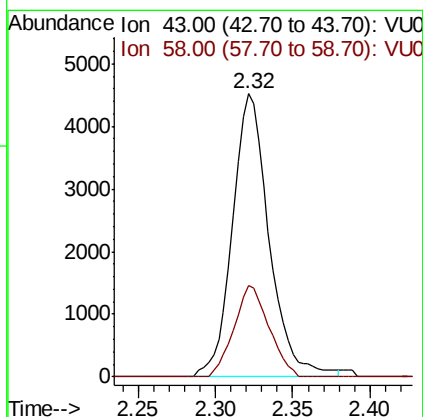
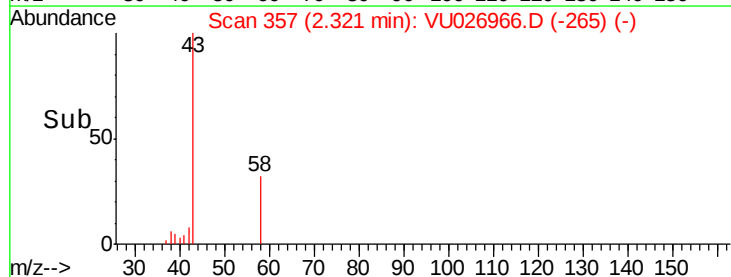
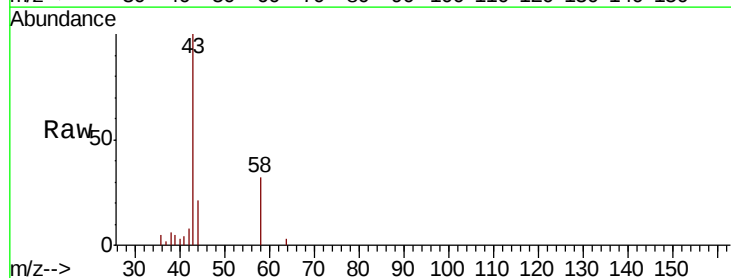
Acq: 21 Sep 2018 14:05

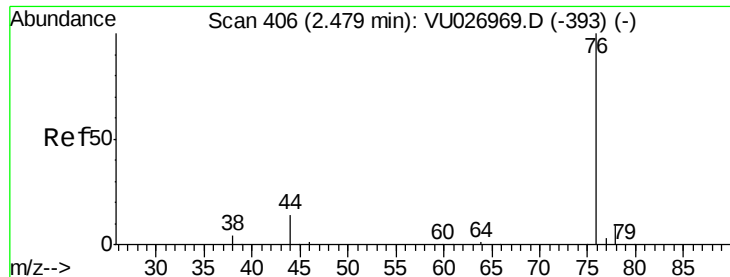
Tgt Ion: 43 Resp: 7431

Ion Ratio Lower Upper

43 100

58 32.3 24.6 36.8





#17

Carbon Disulfide

Concen: 1.338 ug/l

RT: 2.48 min Scan# 406

Delta R.T. 0.00 min

Lab File: VU026966.D

Acq: 21 Sep 2018 14:05

Instrument :

MSVOA_U

ClientSampled :

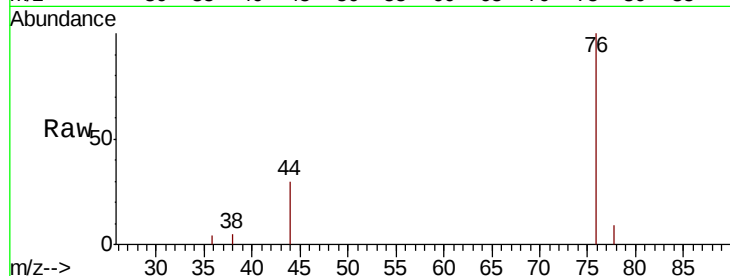
BFB

Tgt Ion: 76 Resp: 3822

Ion Ratio Lower Upper

76 100

78 9.4 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0

2.48

2500

2000

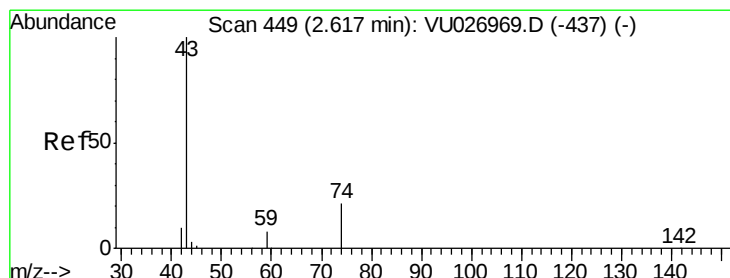
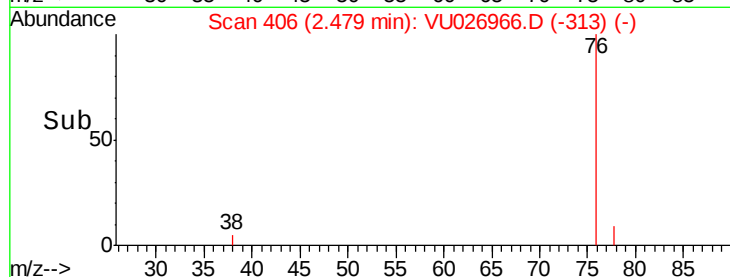
1500

1000

500

0

Time-->



#18

Methyl Acetate

Concen: 1.482 ug/l

RT: 2.62 min Scan# 450

Delta R.T. 0.00 min

Lab File: VU026966.D

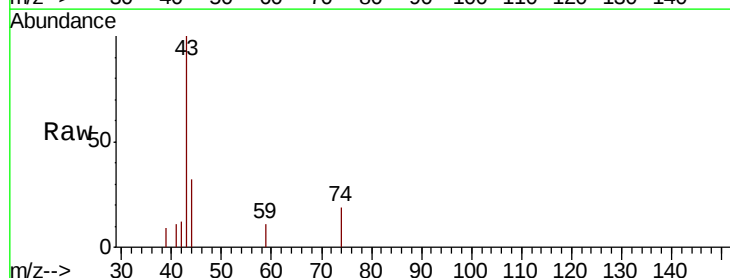
Acq: 21 Sep 2018 14:05

Tgt Ion: 43 Resp: 2256

Ion Ratio Lower Upper

43 100

74 13.9 16.6 25.0#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

2.62

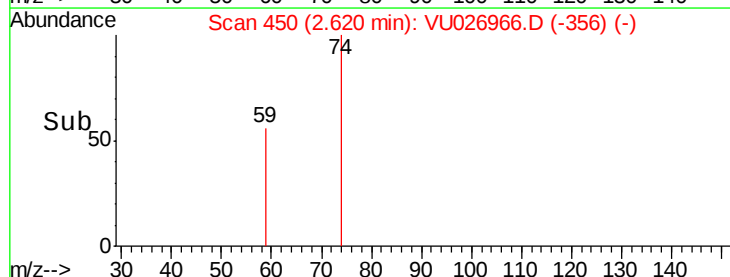
1500

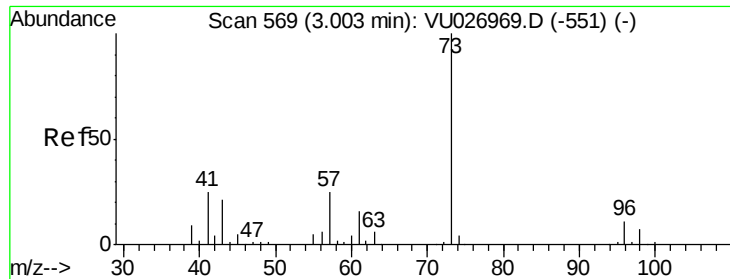
1000

500

0

Time-->

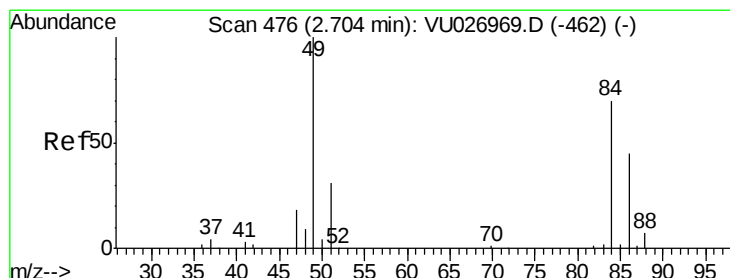
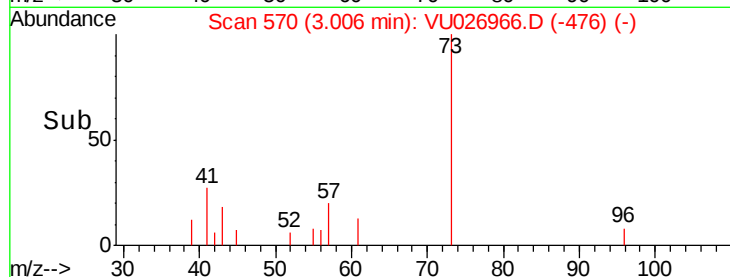
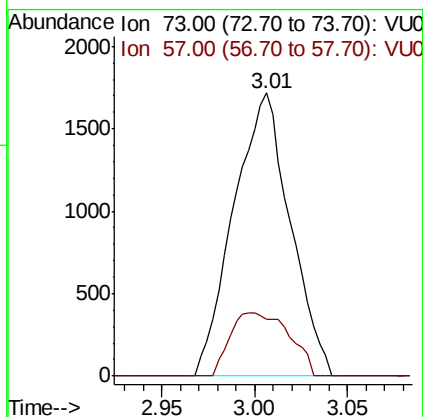
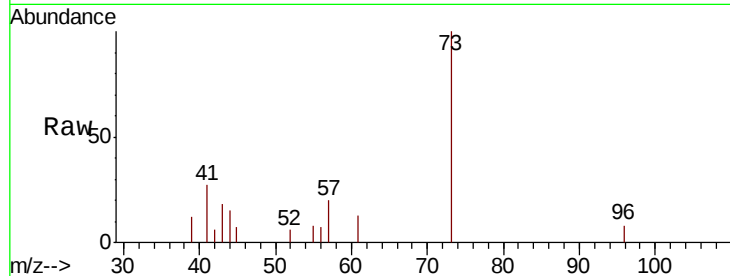




#19
Methyl tert-butyl Ether
Concen: 1.165 ug/l
RT: 3.01 min Scan# 570
Delta R.T. 0.00 min
Lab File: VU026966.D
Acq: 21 Sep 2018 14:05

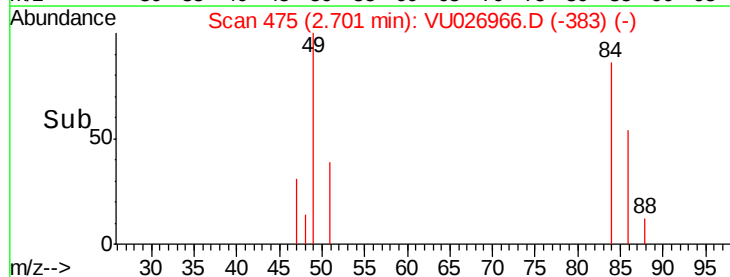
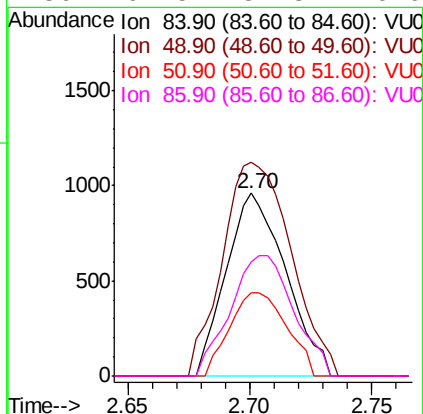
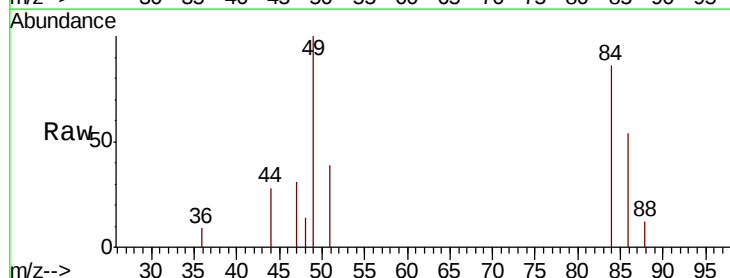
Instrument :
MSVOA_U
ClientSampleId :
BFB

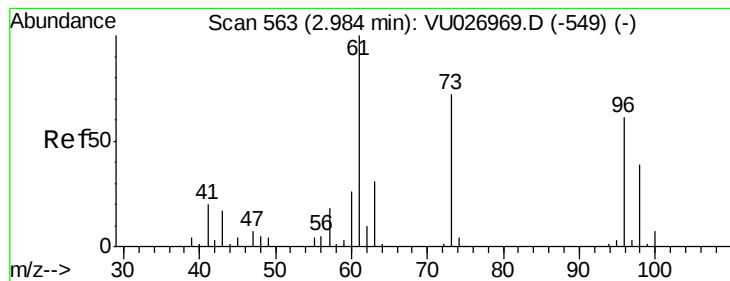
Tgt Ion: 73 Resp: 3646
Ion Ratio Lower Upper
73 100
57 19.9 19.8 29.6



#20
Methylene Chloride
Concen: 1.491 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU026966.D
Acq: 21 Sep 2018 14:05

Tgt Ion: 84 Resp: 1627
Ion Ratio Lower Upper
84 100
49 116.7 114.9 172.3
51 45.7 35.8 53.8
86 62.5 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 1.127 ug/l

RT: 2.99 min Scan# 564

Delta R.T. 0.00 min

Lab File: VU026966.D

Acq: 21 Sep 2018 14:05

Instrument :

MSVOA_U

ClientSampleId :

BFB

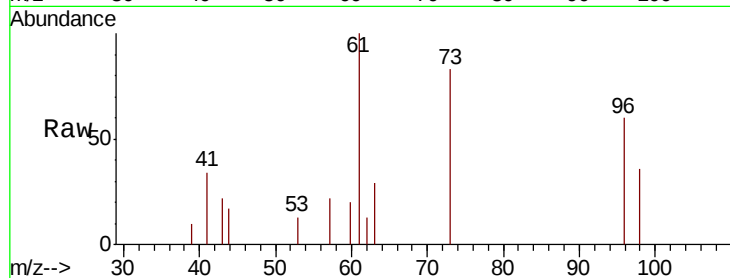
Tgt Ion: 96 Resp: 1067

Ion Ratio Lower Upper

96 100

61 165.8 131.8 197.6

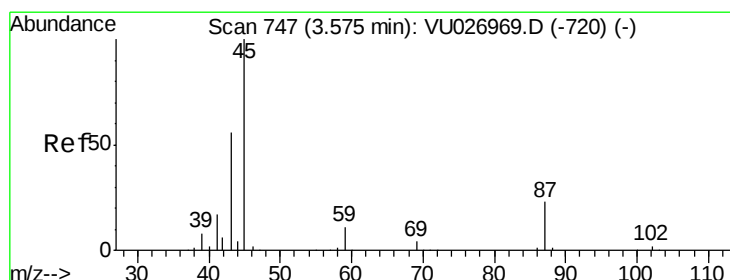
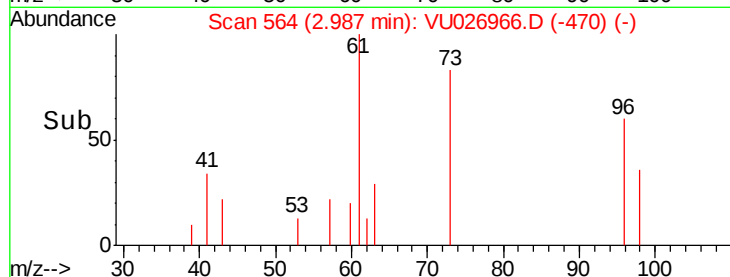
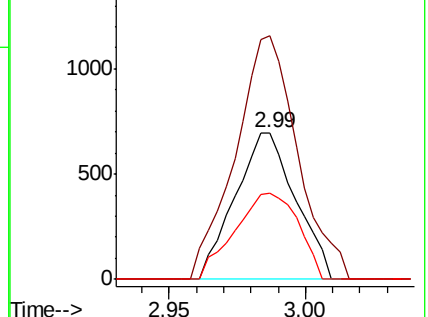
98 58.9 50.9 76.3



Abundance Ion 95.90 (95.60 to 96.60): VU026966.D (-549) (-)

Ion 60.90 (60.60 to 61.60): VU026966.D (-549) (-)

Ion 97.90 (97.60 to 98.60): VU026966.D (-549) (-)



#22

Diisopropyl ether

Concen: 1.091 ug/l

RT: 3.57 min Scan# 746

Delta R.T. -0.00 min

Lab File: VU026966.D

Acq: 21 Sep 2018 14:05

Tgt Ion: 45 Resp: 3800

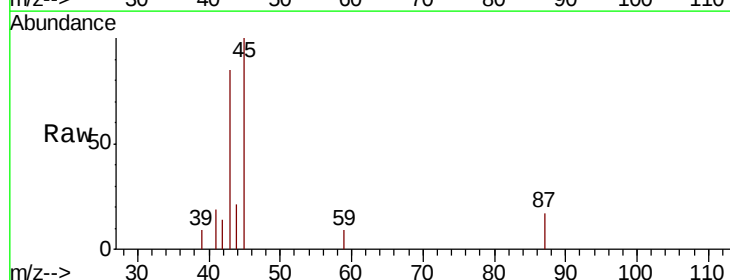
Ion Ratio Lower Upper

45 100

43 74.6 45.8 68.6#

87 17.1 18.6 28.0#

59 9.3 9.0 13.4

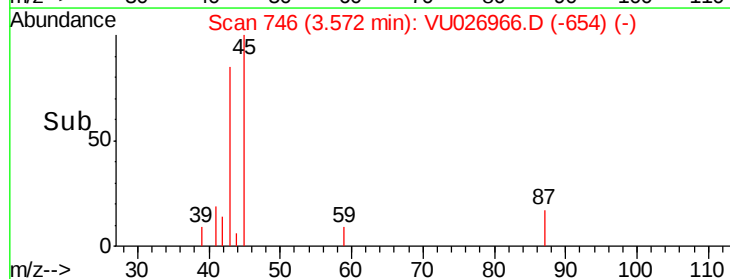
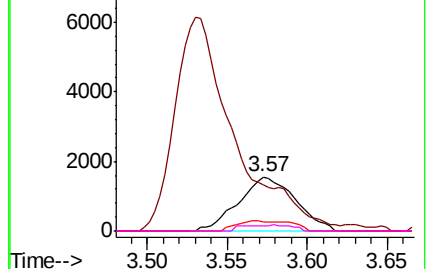


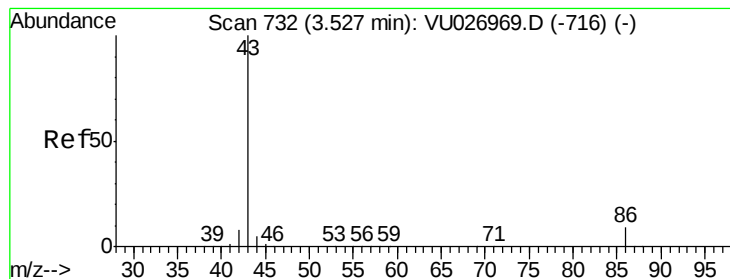
Abundance Ion 45.00 (44.70 to 45.70): VU026966.D (-654) (-)

Ion 43.00 (42.70 to 43.70): VU026966.D (-654) (-)

Ion 87.00 (86.70 to 87.70): VU026966.D (-654) (-)

Ion 59.00 (58.70 to 59.70): VU026966.D (-654) (-)





#23

Vinyl Acetate

Concen: 5.396 ug/l

RT: 3.53 min Scan# 733

Delta R.T. 0.00 min

Lab File: VU026966.D

Acq: 21 Sep 2018 14:05

Instrument :

MSVOA_U

ClientSampleId :

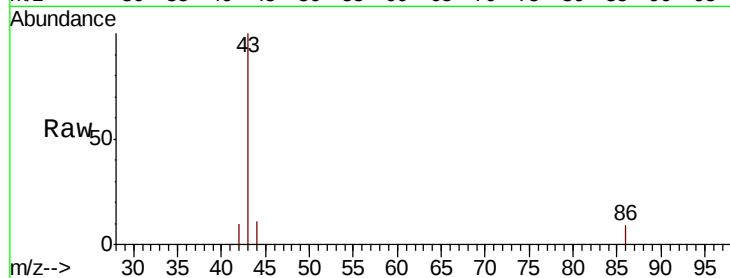
BFB

Tgt Ion: 43 Resp: 15950

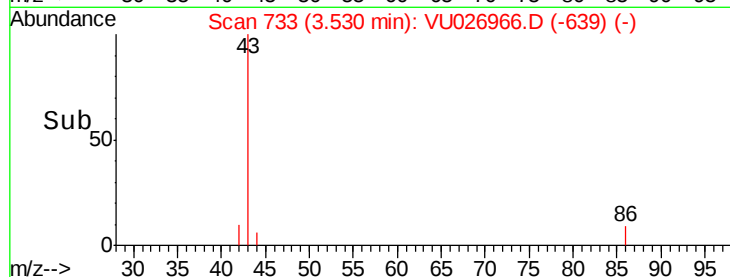
Ion Ratio Lower Upper

43 100

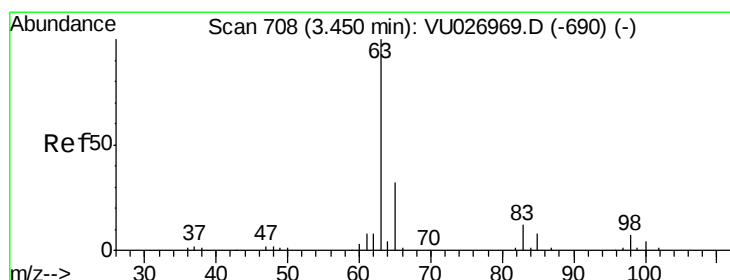
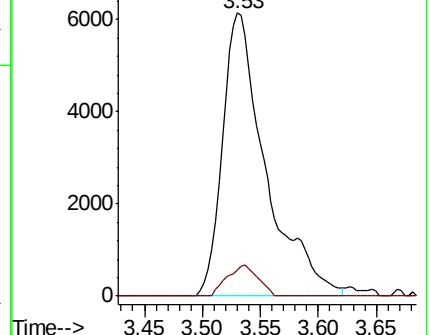
86 9.3 7.2 10.8



Abundance Ion 43.00 (42.70 to 43.70): VU026966.D (-639) (-)



Ion 86.00 (85.70 to 86.70): VU026966.D (-639) (-)



#24

1,1-Dichloroethane

Concen: 1.226 ug/l

RT: 3.45 min Scan# 708

Delta R.T. 0.00 min

Lab File: VU026966.D

Acq: 21 Sep 2018 14:05

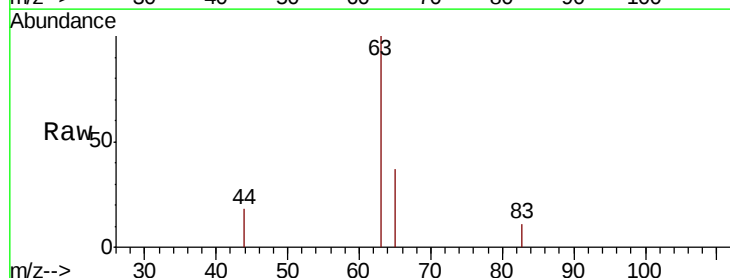
Tgt Ion: 63 Resp: 2378

Ion Ratio Lower Upper

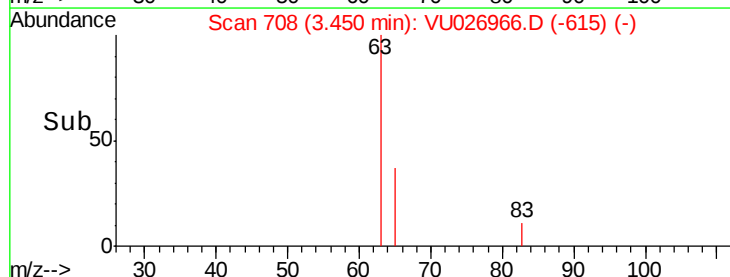
63 100

98 0.0 3.3 9.8#

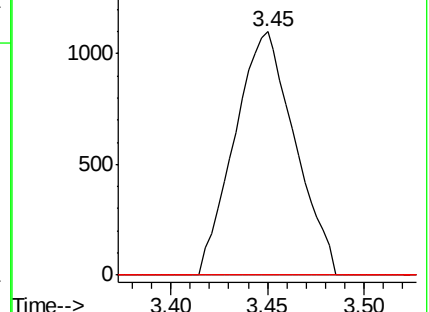
100 0.0 2.0 5.8#



Abundance Ion 62.90 (62.60 to 63.60): VU026966.D (-615) (-)



Ion 97.90 (97.60 to 98.60): VU026966.D (-615) (-)





#25

2-Butanone

Concen: 6.668 ug/l

RT: 4.28 min Scan# 965

Delta R.T. 0.01 min

Lab File: VU026966.D

Acq: 21 Sep 2018 14:05

Instrument :

MSVOA_U

ClientSampled :

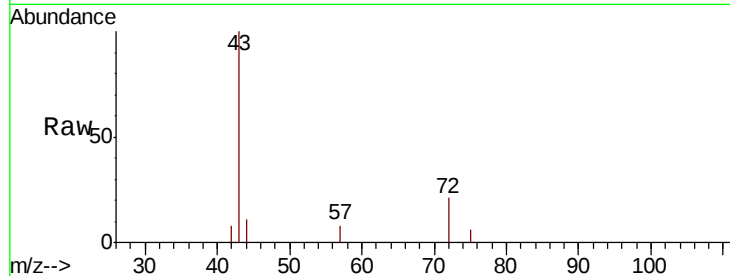
BFB

Tgt Ion: 43 Resp: 6240

Ion Ratio Lower Upper

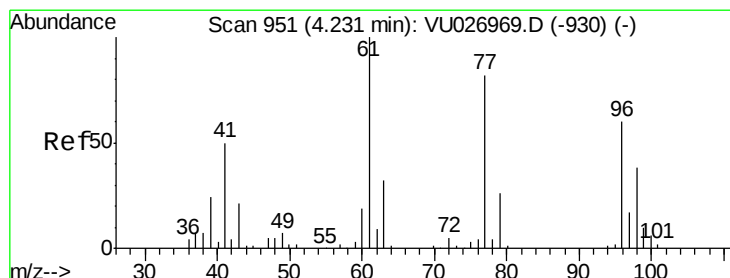
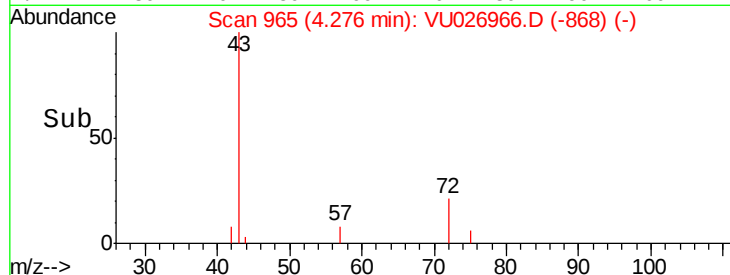
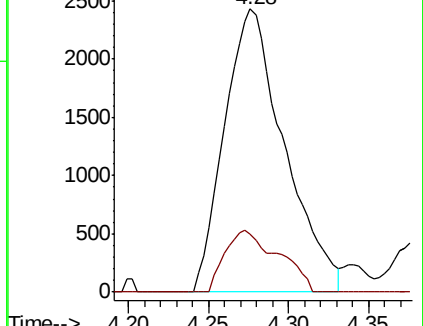
43 100

72 20.6 18.4 27.6



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

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



#26

2,2-Dichloropropane

Concen: 1.229 ug/l

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU026966.D

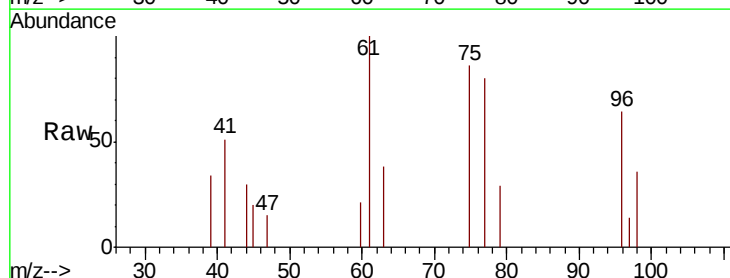
Acq: 21 Sep 2018 14:05

Tgt Ion: 77 Resp: 1936

Ion Ratio Lower Upper

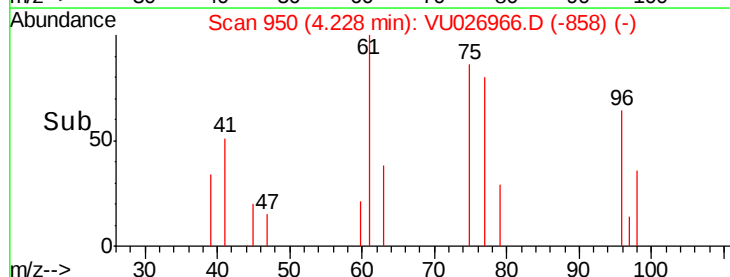
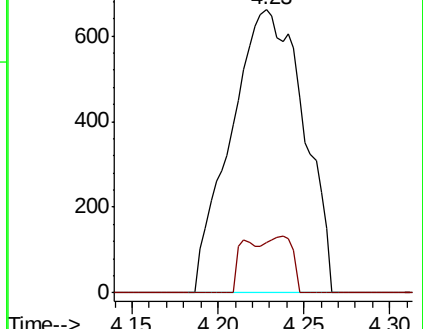
77 100

97 4.6 10.5 31.5#



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

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



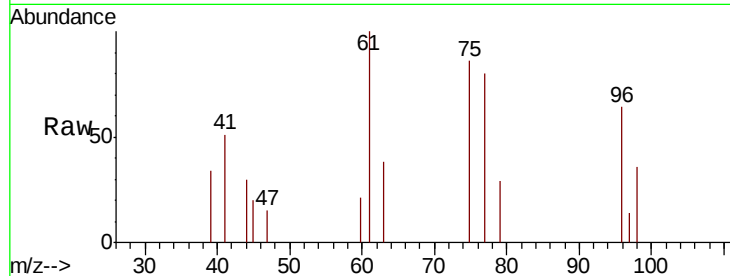


#27

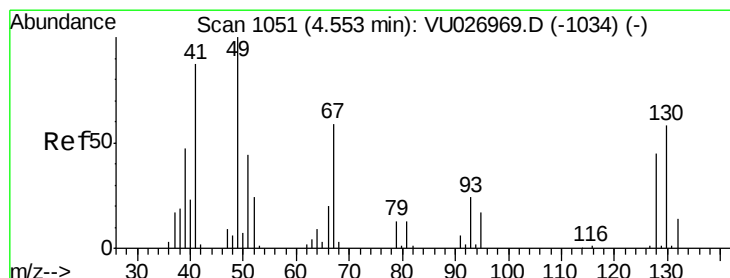
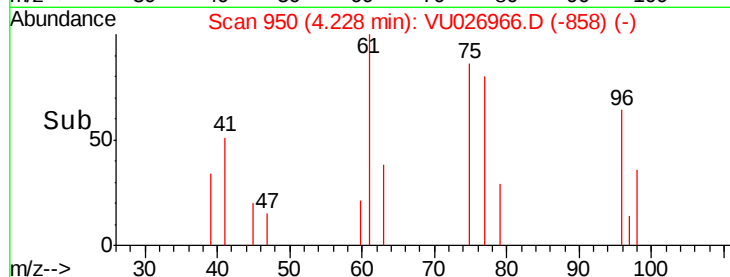
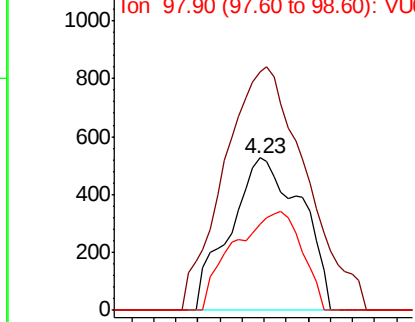
cis-1,2-Dichloroethene
Concen: 1.089 ug/l
RT: 4.23 min Scan# 950
Delta R.T. -0.00 min
Lab File: VU026966.D
Acq: 21 Sep 2018 14:05

Instrument :
MSVOA_U
ClientSampleId :
BFB

Tgt Ion: 96 Resp: 1181
Ion Ratio Lower Upper
96 100
61 182.9 0.0 337.2
98 61.7 0.0 127.6



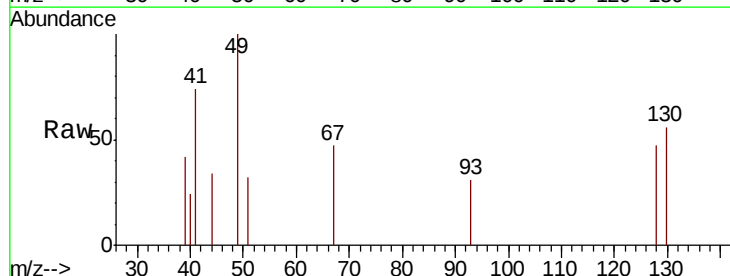
Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0



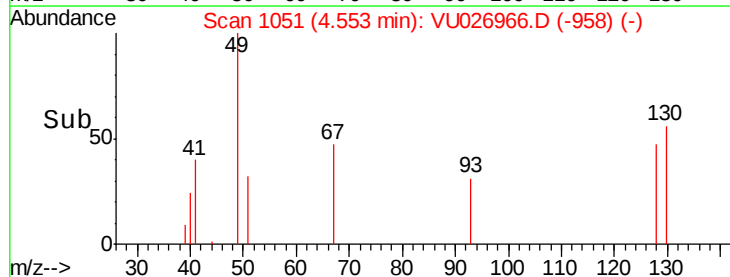
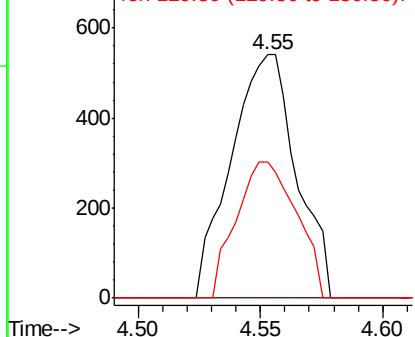
#28

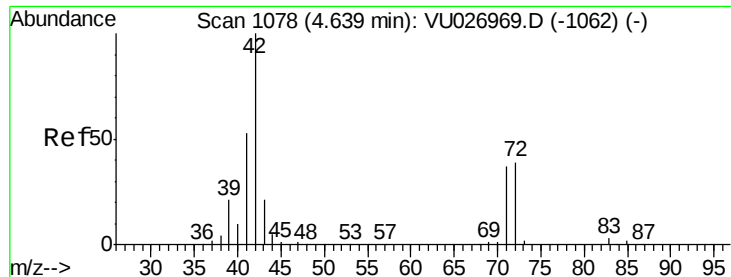
Bromochloromethane
Concen: 1.077 ug/l
RT: 4.55 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VU026966.D
Acq: 21 Sep 2018 14:05

Tgt Ion: 49 Resp: 1006
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.0
130 51.6 47.8 71.8



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

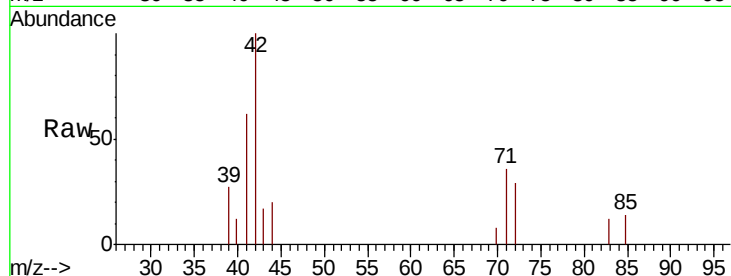




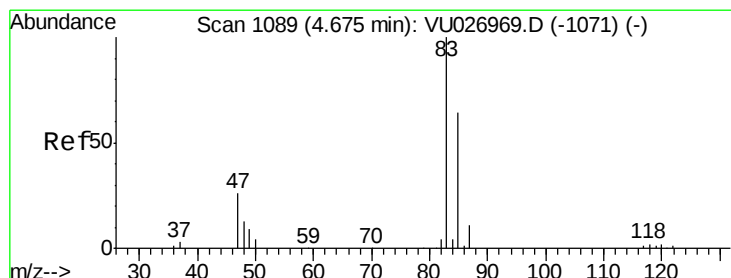
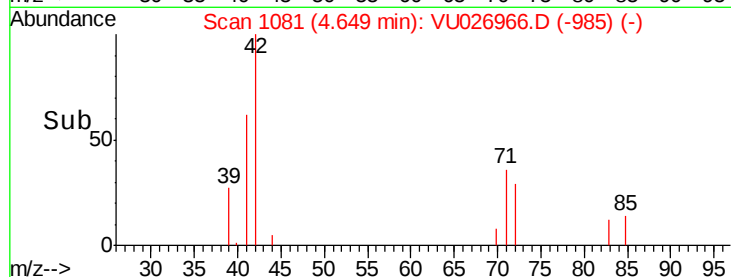
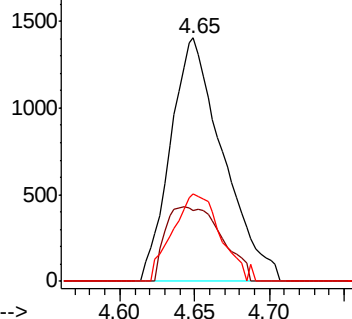
#29
Tetrahydrofuran
Concen: 6.035 ug/l
RT: 4.65 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VU026966.D
Acq: 21 Sep 2018 14:05

Instrument :
MSVOA_U
ClientSampled :
BFB

Tgt Ion: 42 Resp: 3438
Ion Ratio Lower Upper
42 100
72 32.7 31.7 47.5
71 32.9 29.6 44.4

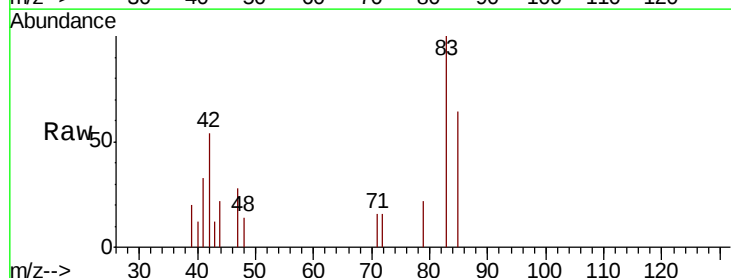


Abundance Ion 42.00 (41.70 to 42.70): VU0
Ion 72.00 (71.70 to 72.70): VU0
Ion 71.00 (70.70 to 71.70): VU0

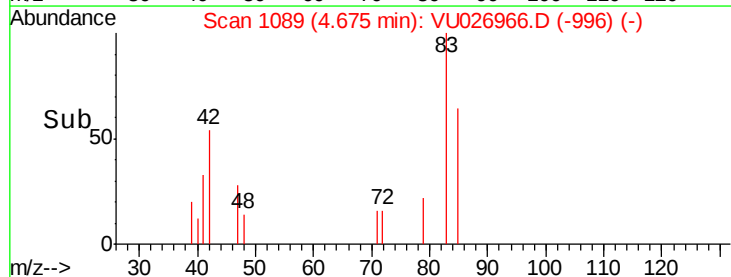
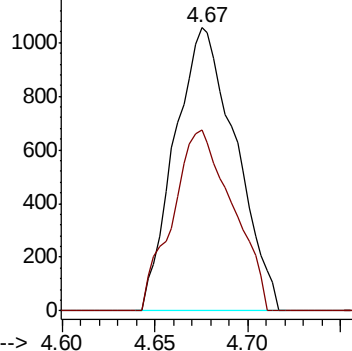


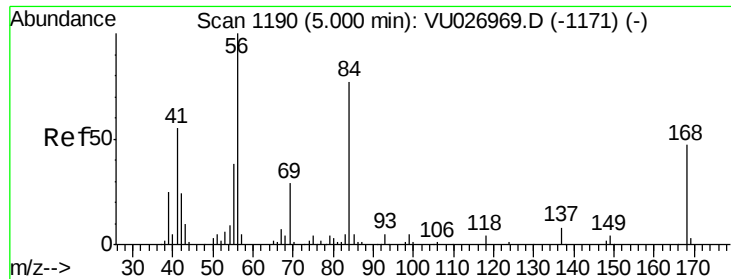
#30
Chloroform
Concen: 1.280 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VU026966.D
Acq: 21 Sep 2018 14:05

Tgt Ion: 83 Resp: 2413
Ion Ratio Lower Upper
83 100
85 63.9 51.5 77.3



Abundance Ion 82.90 (82.60 to 83.60): VU0
Ion 84.90 (84.60 to 85.60): VU0

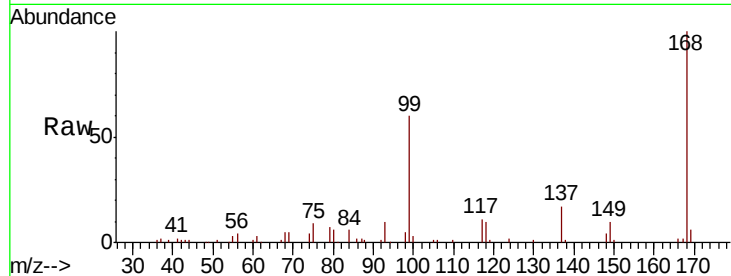




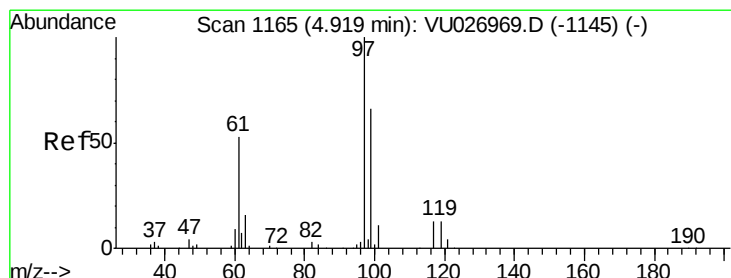
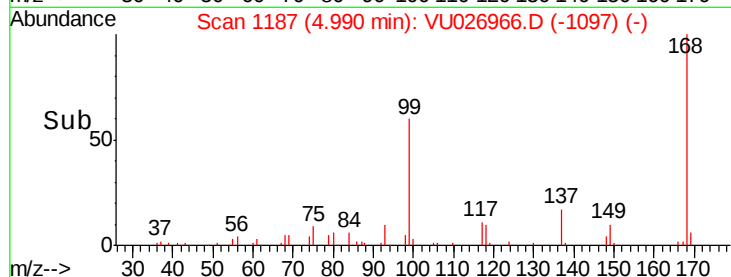
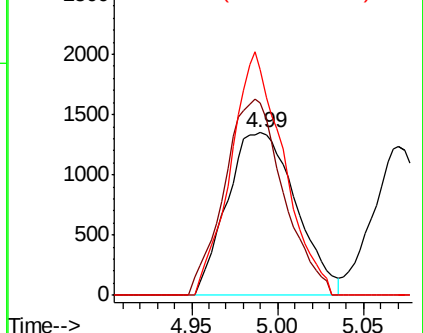
#31
Cyclohexane
Concen: 1.885 ug/l
RT: 4.99 min Scan# 1187
Delta R.T. -0.01 min
Lab File: VU026966.D
Acq: 21 Sep 2018 14:05

Instrument :
MSVOA_U
ClientSampled :
BFB

Tgt Ion: 56 Resp: 3770
Ion Ratio Lower Upper
56 100
69 118.5 23.0 34.4#
84 138.9 61.4 92.2#

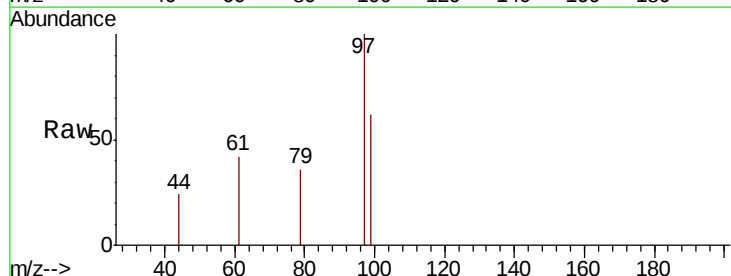


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

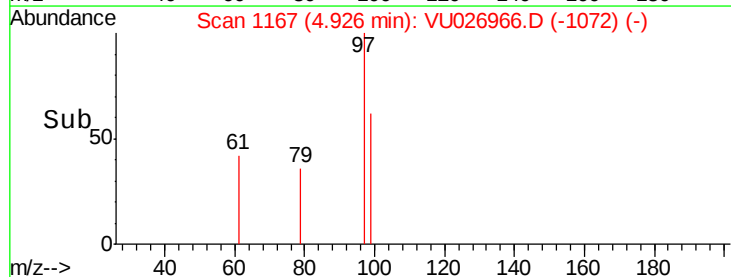
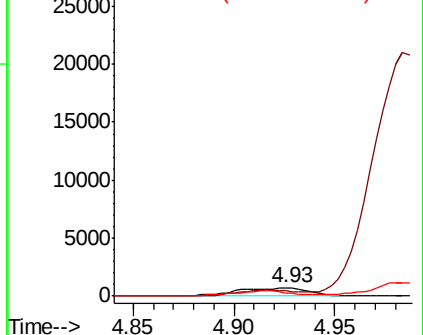


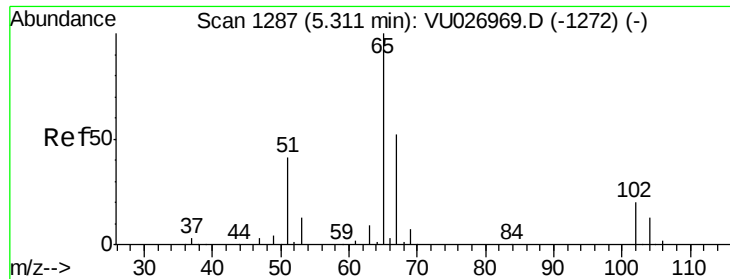
#32
1,1,1-Trichloroethane
Concen: 1.079 ug/l
RT: 4.93 min Scan# 1167
Delta R.T. 0.01 min
Lab File: VU026966.D
Acq: 21 Sep 2018 14:05

Tgt Ion: 97 Resp: 1670
Ion Ratio Lower Upper
97 100
99 0.0 51.8 77.6#
61 58.8 41.1 61.7



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

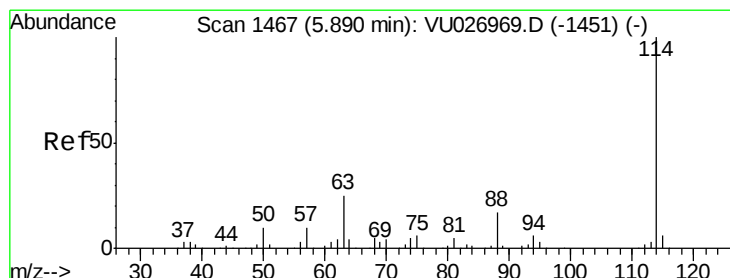
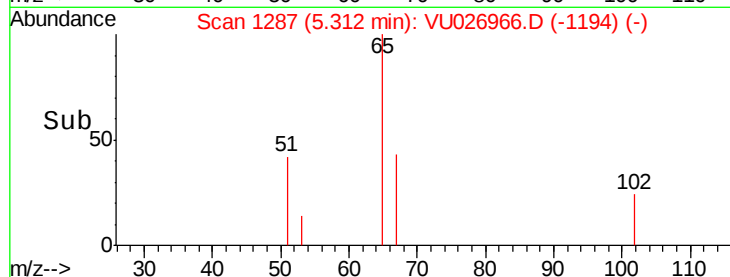
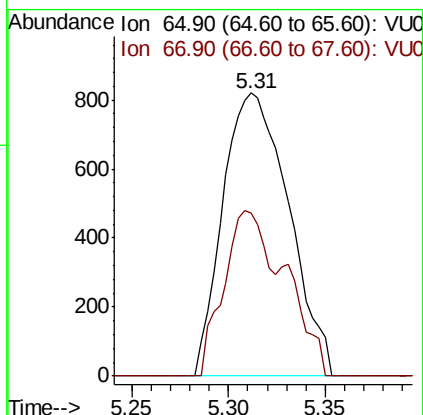
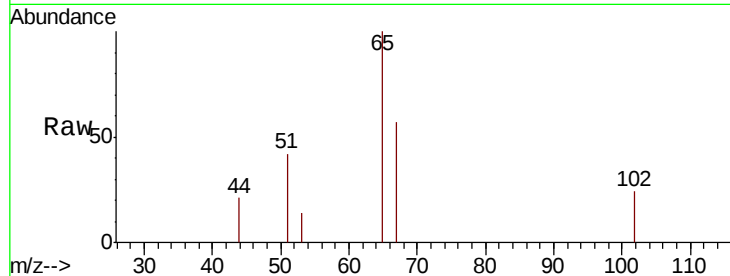




#33
 1,2-Dichloroethane-d4
 Concen: 1.592 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU026966.D
 Acq: 21 Sep 2018 14:05

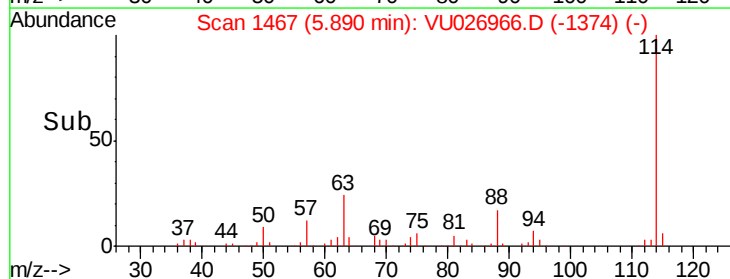
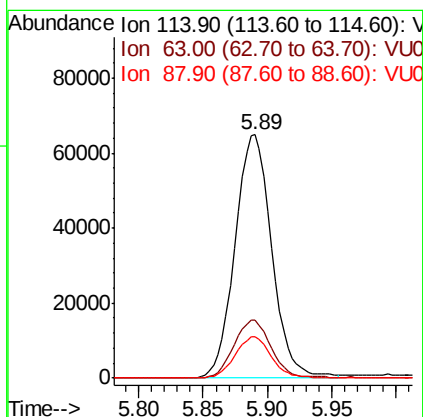
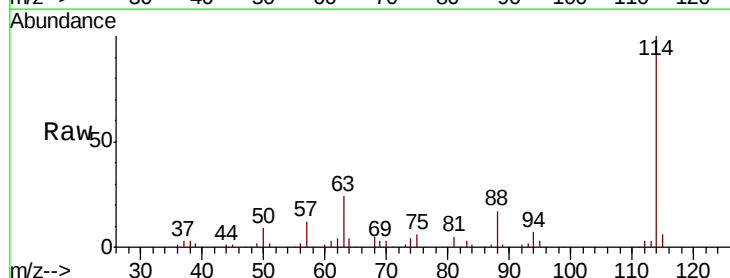
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB

Tgt Ion: 65 Resp: 1942
 Ion Ratio Lower Upper
 65 100
 67 39.9 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU026966.D
 Acq: 21 Sep 2018 14:05

Tgt Ion: 114 Resp: 128666
 Ion Ratio Lower Upper
 114 100
 63 23.7 0.0 49.2
 88 17.1 0.0 33.8

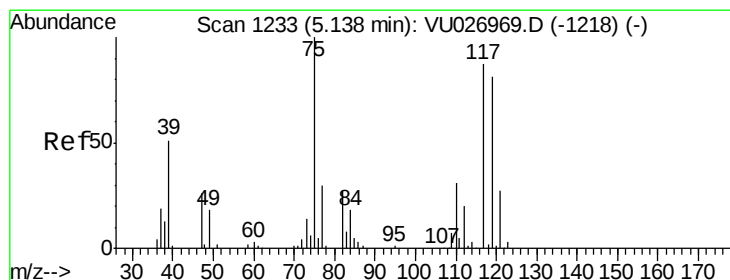
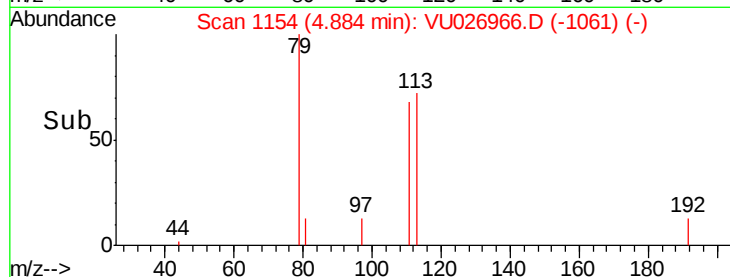
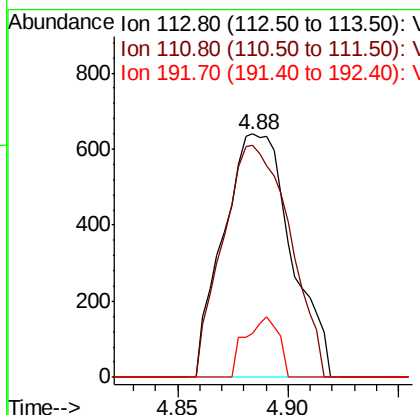
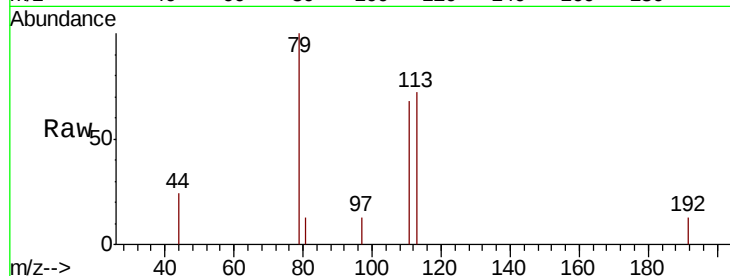




#35
 Dibromofluoromethane
 Concen: 1.277 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU026966.D
 Acq: 21 Sep 2018 14:05

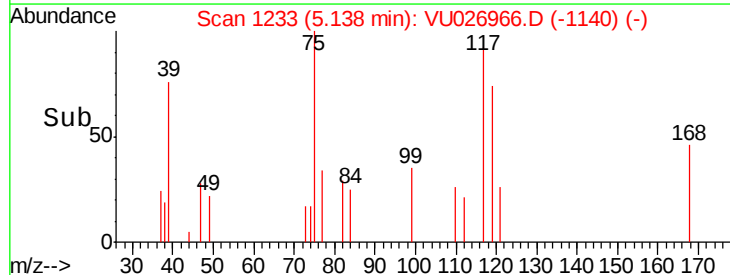
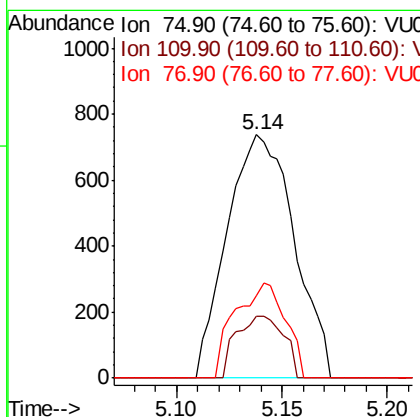
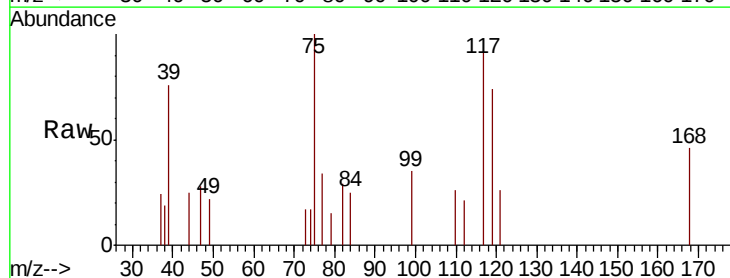
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB

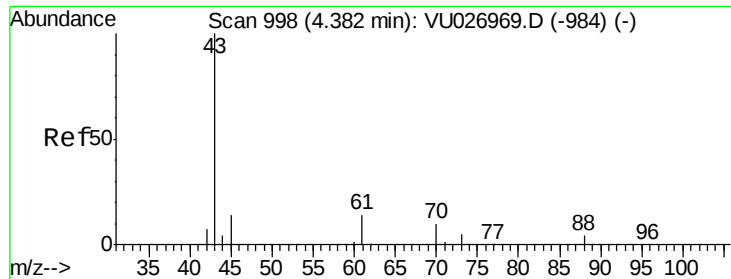
Tgt Ion: 113 Resp: 1364
 Ion Ratio Lower Upper
 113 100
 111 94.2 82.2 123.4
 192 12.3 15.2 22.8#



#36
 1,1-Dichloropropene
 Concen: 1.098 ug/l
 RT: 5.14 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VU026966.D
 Acq: 21 Sep 2018 14:05

Tgt Ion: 75 Resp: 1631
 Ion Ratio Lower Upper
 75 100
 110 17.9 16.1 48.2
 77 29.4 24.6 36.8

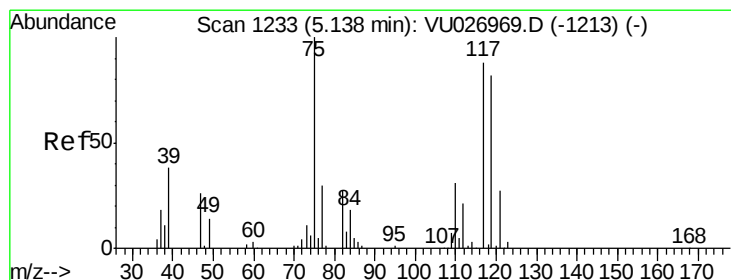
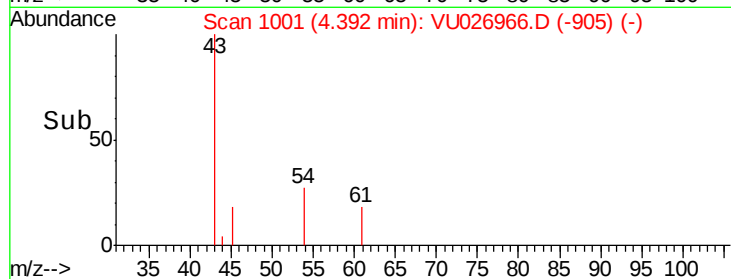
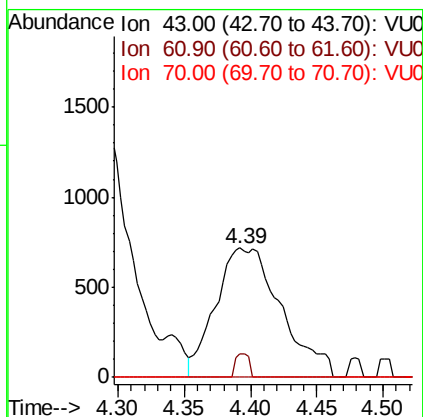
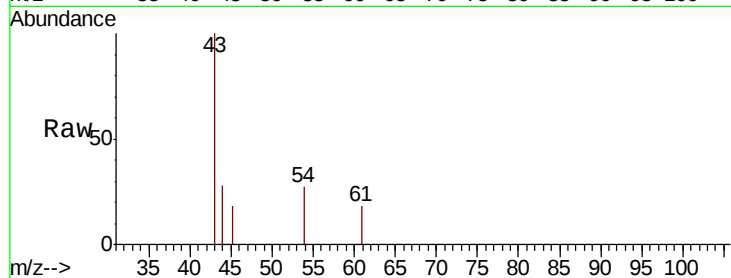




#37
 Ethyl Acetate
 Concen: 1.347 ug/l
 RT: 4.39 min Scan# 1001
 Delta R.T. 0.01 min
 Lab File: VU026966.D
 Acq: 21 Sep 2018 14:05

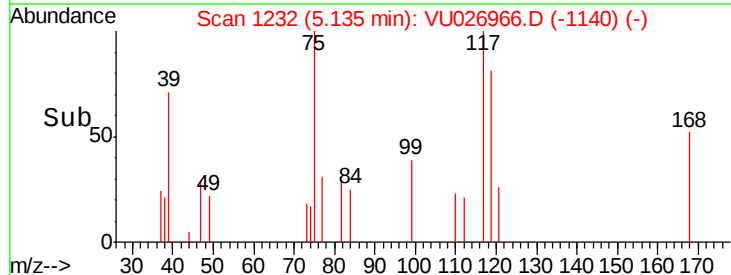
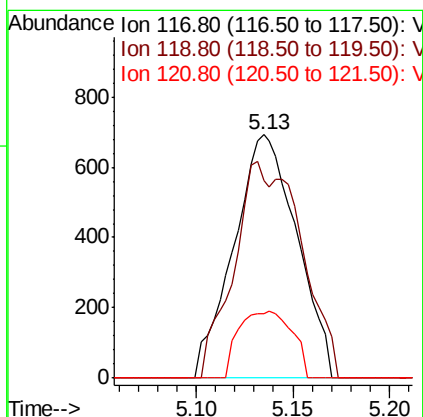
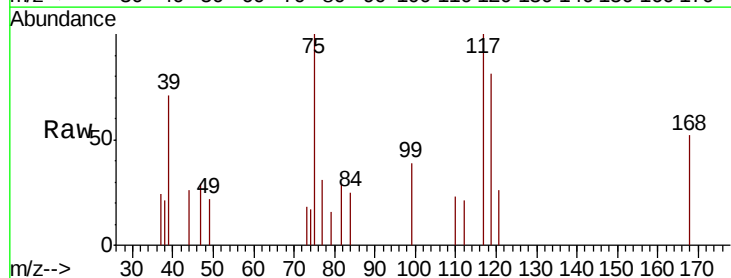
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB

Tgt Ion: 43 Resp: 2471
 Ion Ratio Lower Upper
 43 100
 61 3.8 10.5 15.7#
 70 0.0 7.4 11.0#



#38
 Carbon Tetrachloride
 Concen: 1.015 ug/l
 RT: 5.13 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VU026966.D
 Acq: 21 Sep 2018 14:05

Tgt Ion: 117 Resp: 1569
 Ion Ratio Lower Upper
 117 100
 119 81.0 74.4 111.6
 121 26.4 24.2 36.4

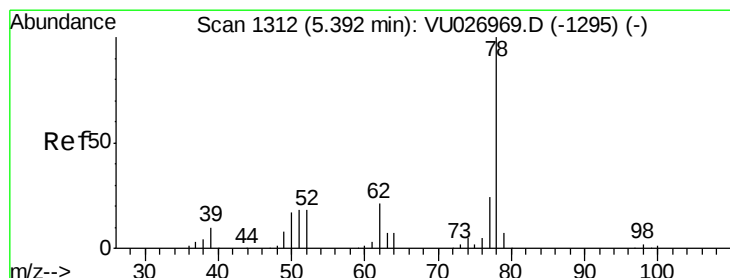
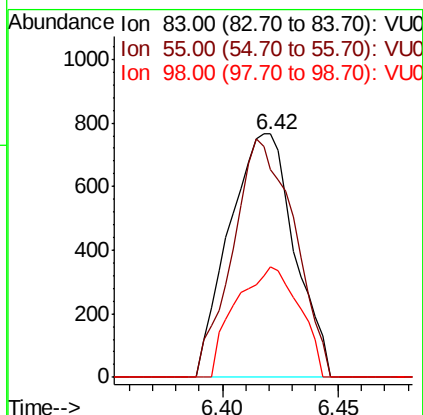
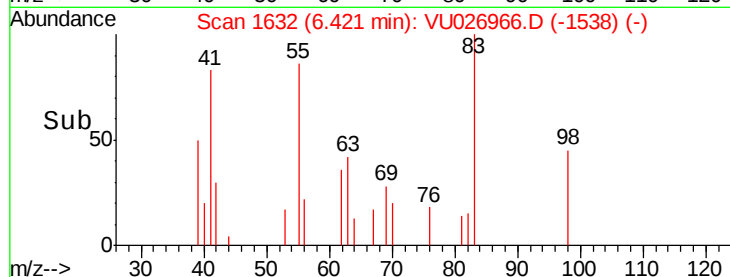
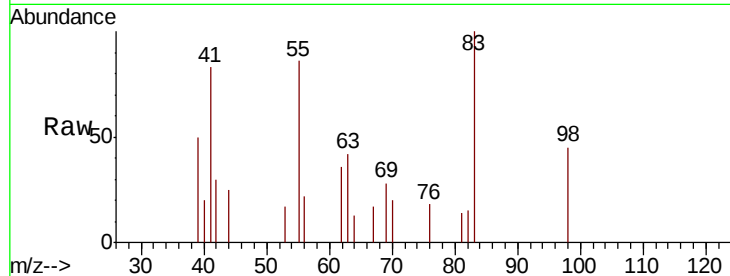




#39
Methylcyclohexane
Concen: 0.855 ug/l
RT: 6.42 min Scan# 1632
Delta R.T. 0.00 min
Lab File: VU026966.D
Acq: 21 Sep 2018 14:05

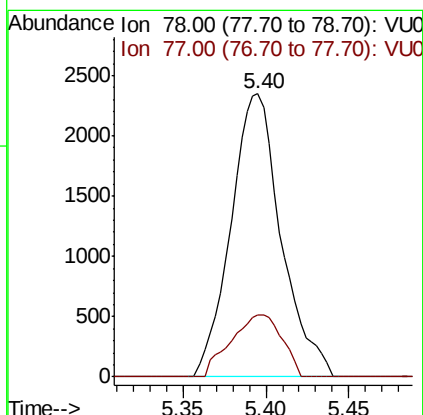
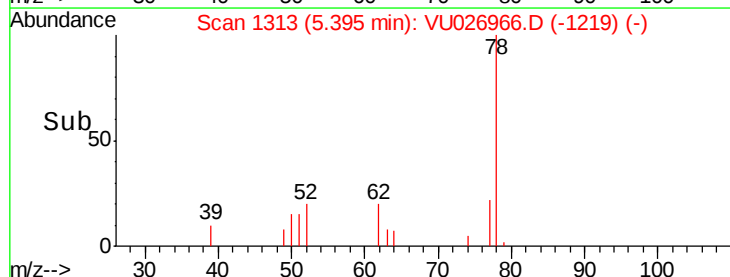
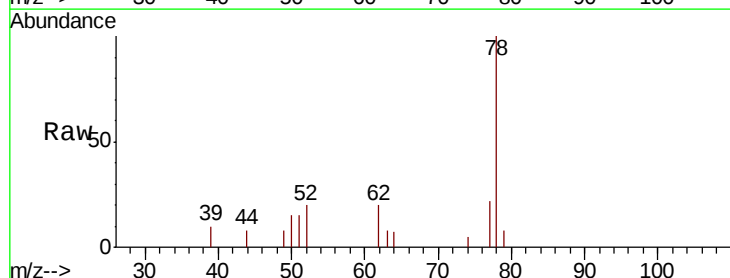
Instrument :
MSVOA_U
ClientSampleId :
BFB

Tgt Ion: 83 Resp: 1496
Ion Ratio Lower Upper
83 100
55 85.5 69.9 104.9
98 45.2 37.5 56.3



#40
Benzene
Concen: 1.080 ug/l
RT: 5.40 min Scan# 1313
Delta R.T. 0.00 min
Lab File: VU026966.D
Acq: 21 Sep 2018 14:05

Tgt Ion: 78 Resp: 4961
Ion Ratio Lower Upper
78 100
77 21.8 19.4 29.0

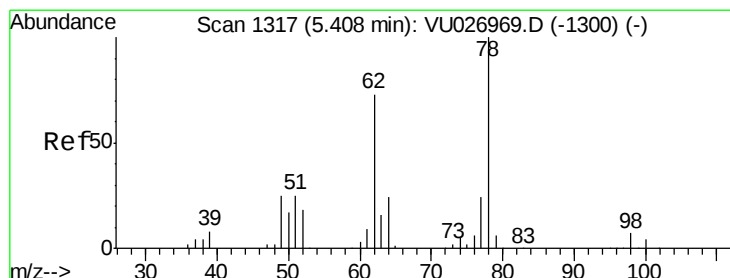
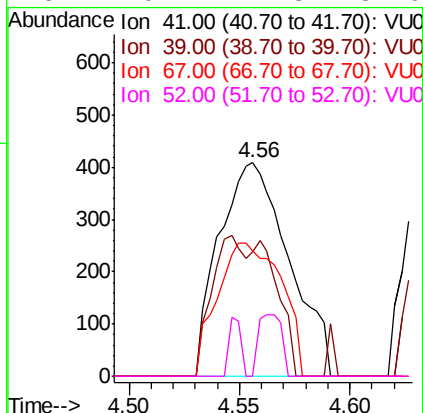
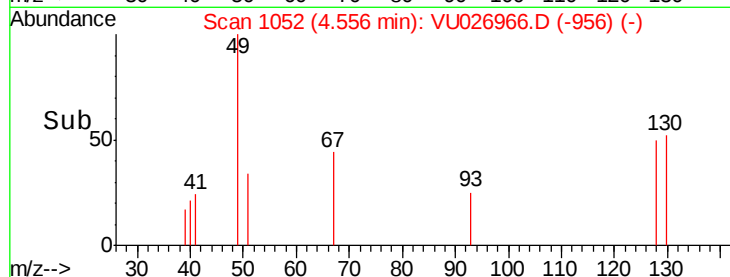
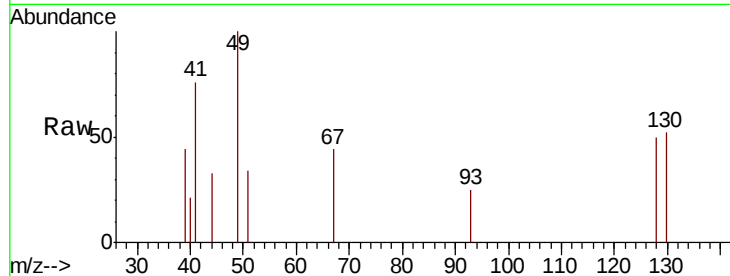




#41
Methacrylonitrile
Concen: 0.936 ug/l
RT: 4.56 min Scan# 1052
Delta R.T. 0.01 min
Lab File: VU026966.D
Acq: 21 Sep 2018 14:05

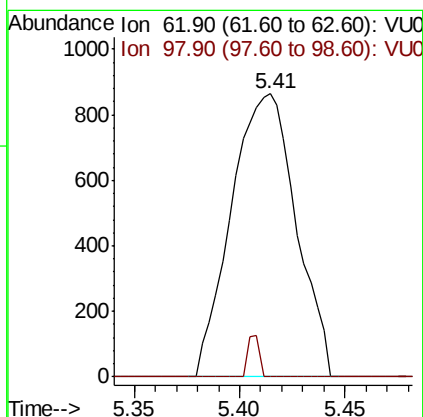
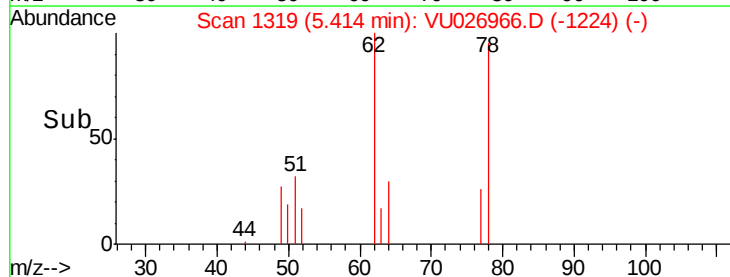
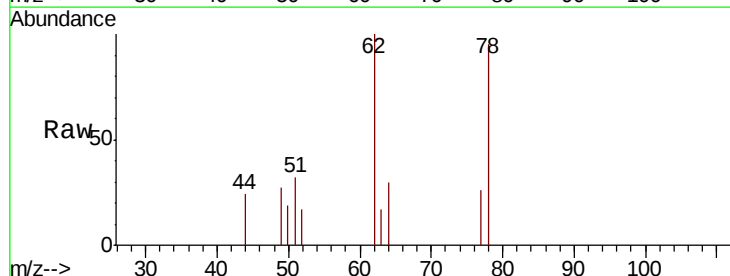
Instrument :
MSVOA_U
ClientSampleId :
BFB

Tgt Ion: 41 Resp: 895
Ion Ratio Lower Upper
41 100
39 0.0 42.9 64.3#
67 0.0 52.4 78.6#
52 9.7 21.3 31.9#



#42
1,2-Dichloroethane
Concen: 1.107 ug/l
RT: 5.41 min Scan# 1319
Delta R.T. 0.01 min
Lab File: VU026966.D
Acq: 21 Sep 2018 14:05

Tgt Ion: 62 Resp: 1844
Ion Ratio Lower Upper
62 100
98 2.6 0.0 17.0





#43

Isopropyl Acetate

Concen: 1.003 ug/l

RT: 5.56 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VU026966.D

Acq: 21 Sep 2018 14:05

Instrument :

MSVOA_U

ClientSampleId :

BFB

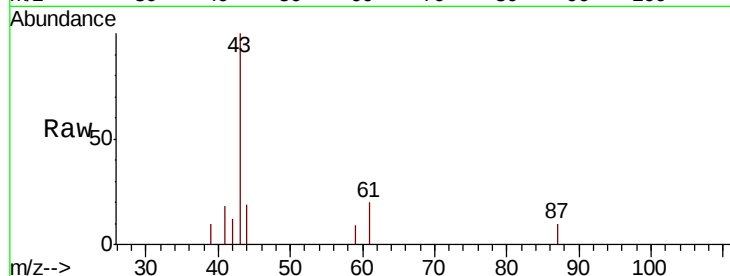
Tgt Ion: 43 Resp: 2781

Ion Ratio Lower Upper

43 100

61 18.2 15.7 23.5

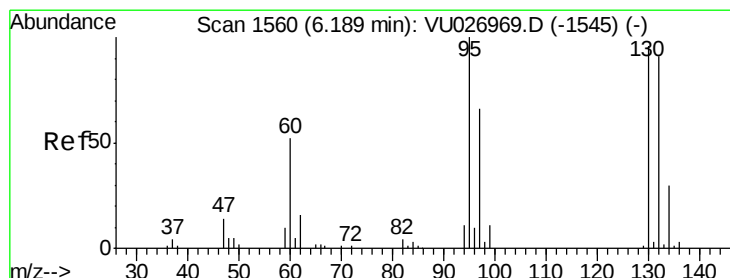
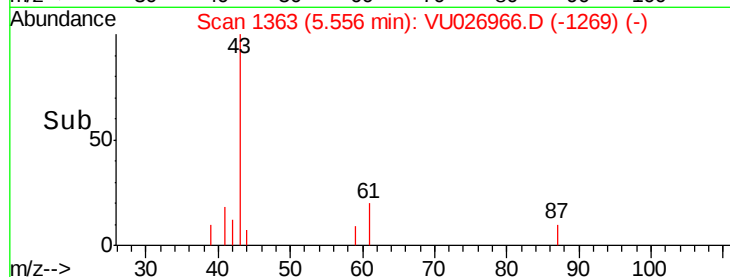
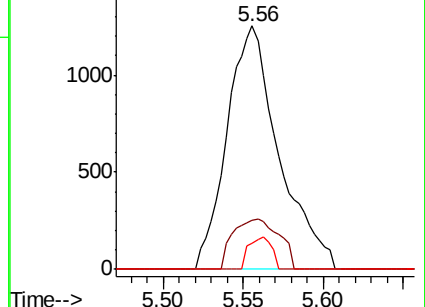
87 5.6 9.0 13.4#



Abundance Ion 43.00 (42.70 to 43.70): VU026966.D (-1342) (-)

Ion 61.00 (60.70 to 61.70): VU026966.D (-1342) (-)

Ion 87.00 (86.70 to 87.70): VU026966.D (-1342) (-)



#44

Trichloroethene

Concen: 0.876 ug/l

RT: 6.19 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VU026966.D

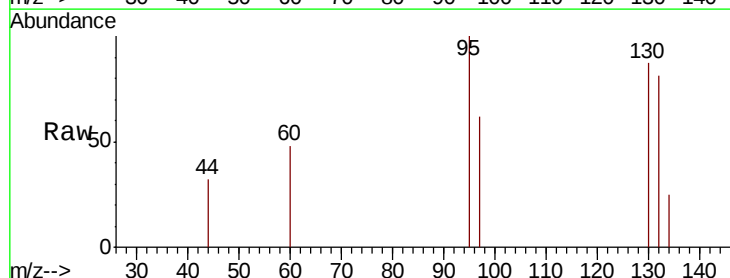
Acq: 21 Sep 2018 14:05

Tgt Ion: 130 Resp: 973

Ion Ratio Lower Upper

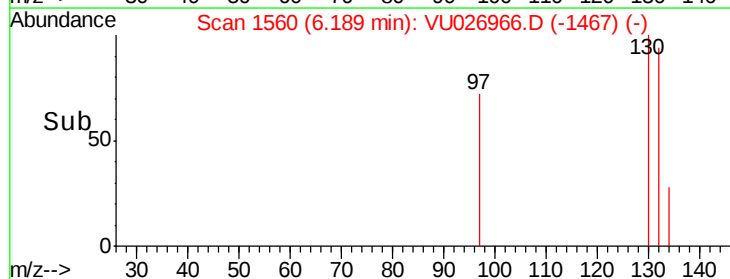
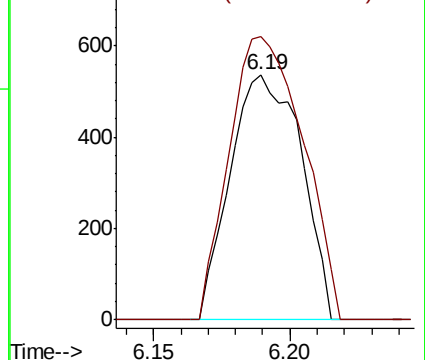
130 100

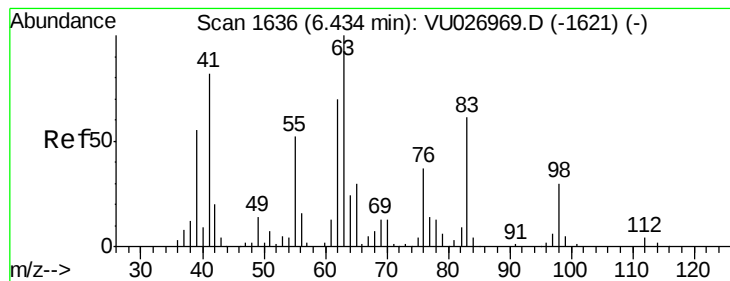
95 115.5 0.0 208.8



Abundance Ion 129.80 (129.50 to 130.50): VU026966.D (-1545) (-)

Ion 94.90 (94.60 to 95.60): VU026966.D (-1545) (-)





#45

1,2-Dichloropropane

Concen: 1.040 ug/l

RT: 6.43 min Scan# 1636

Delta R.T. 0.00 min

Lab File: VU026966.D

Acq: 21 Sep 2018 14:05

Instrument :

MSVOA_U

ClientSampled :

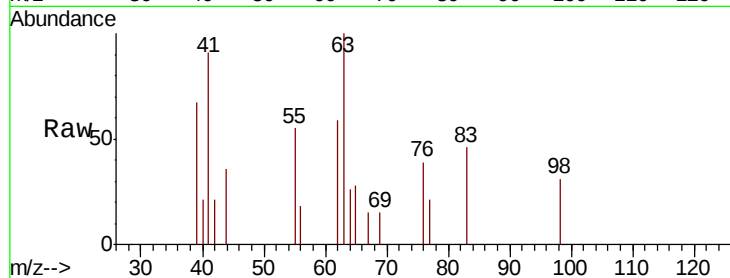
BFB

Tgt Ion: 63 Resp: 1311

Ion Ratio Lower Upper

63 100

65 28.1 24.3 36.5



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 64.90 (64.60 to 65.60): VU0

6.43

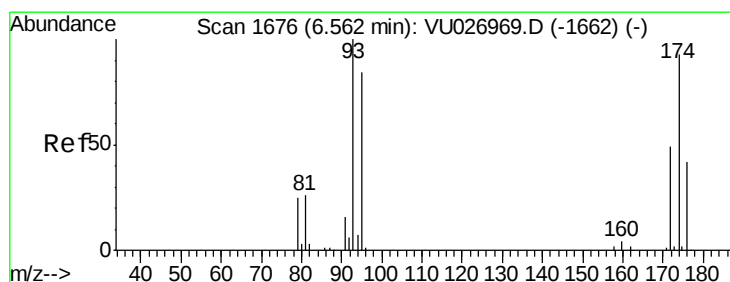
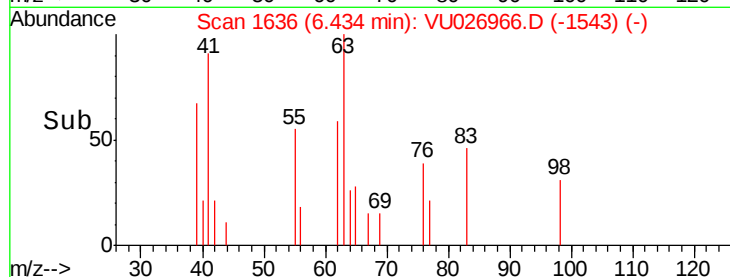
600

400

200

0

Time-->



#46

Dibromomethane

Concen: 1.047 ug/l

RT: 6.57 min Scan# 1677

Delta R.T. 0.00 min

Lab File: VU026966.D

Acq: 21 Sep 2018 14:05

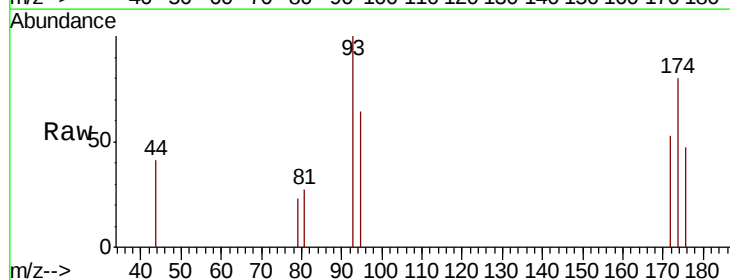
Tgt Ion: 93 Resp: 838

Ion Ratio Lower Upper

93 100

95 73.4 66.2 99.4

174 86.5 71.7 107.5



Abundance Ion 92.80 (92.50 to 93.50): VU0

Ion 94.80 (94.50 to 95.50): VU0

Ion 173.70 (173.40 to 174.40): V

600

500

400

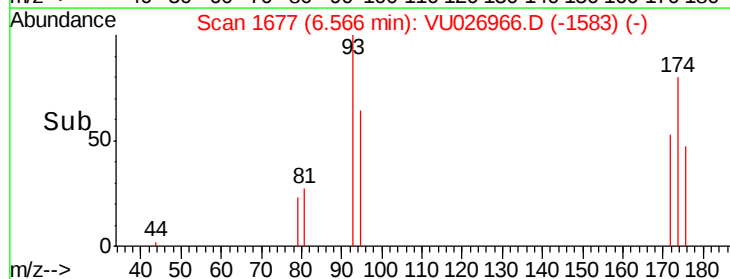
300

200

100

0

Time-->





#47

Bromodichloromethane

Concen: 1.134 ug/l

RT: 6.76 min Scan# 1738

Delta R.T. 0.00 min

Lab File: VU026966.D

Acq: 21 Sep 2018 14:05

Instrument :

MSVOA_U

ClientSampleId :

BFB

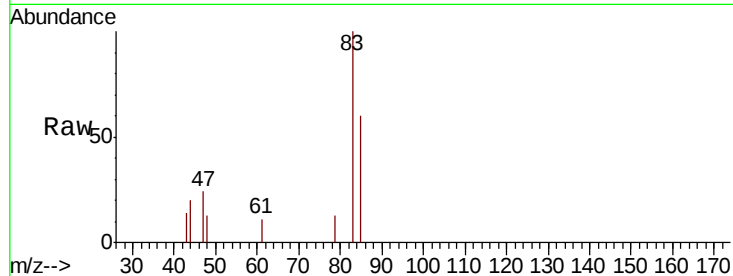
Tgt Ion: 83 Resp: 1797

Ion Ratio Lower Upper

83 100

85 60.4 52.5 78.7

127 0.0 6.3 9.5#

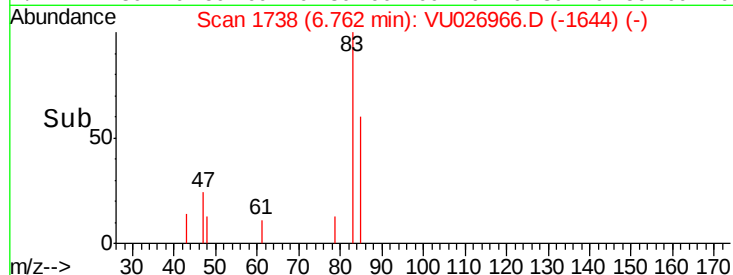


Abundance Ion 82.90 (82.60 to 83.60): VU026966.D (-1722) (-)

Ion 84.90 (84.60 to 85.60): VU026966.D (-1722) (-)

Ion 126.80 (126.50 to 127.50): VU026966.D (-1722) (-)

Time-->

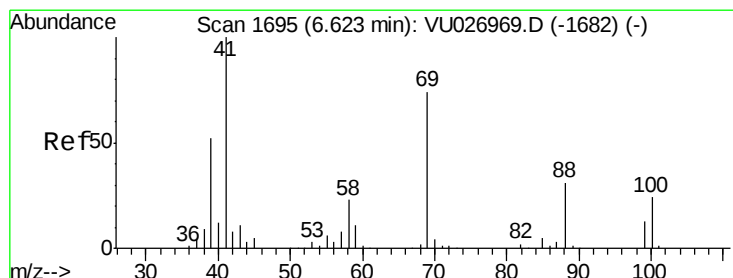


Abundance Ion 82.90 (82.60 to 83.60): VU026966.D (-1644) (-)

Ion 84.90 (84.60 to 85.60): VU026966.D (-1644) (-)

Ion 126.80 (126.50 to 127.50): VU026966.D (-1644) (-)

Time-->



#48

Methyl methacrylate

Concen: 0.827 ug/l

RT: 6.63 min Scan# 1697

Delta R.T. 0.01 min

Lab File: VU026966.D

Acq: 21 Sep 2018 14:05

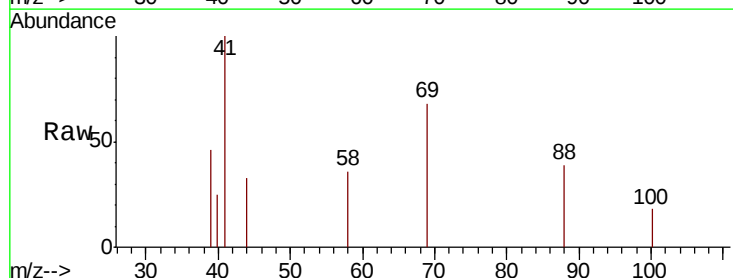
Tgt Ion: 41 Resp: 1136

Ion Ratio Lower Upper

41 100

69 74.8 60.6 90.8

39 50.6 42.8 64.2

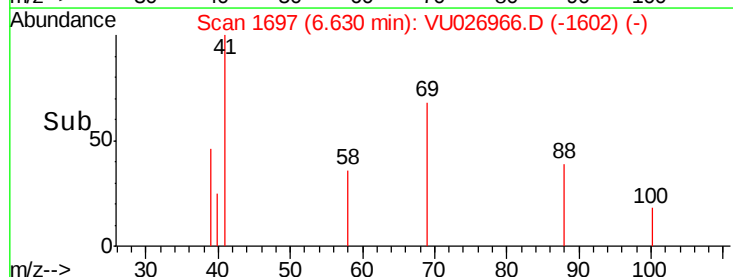


Abundance Ion 41.00 (40.70 to 41.70): VU026966.D (-1682) (-)

Ion 69.00 (68.70 to 69.70): VU026966.D (-1682) (-)

Ion 39.00 (38.70 to 39.70): VU026966.D (-1682) (-)

Time-->

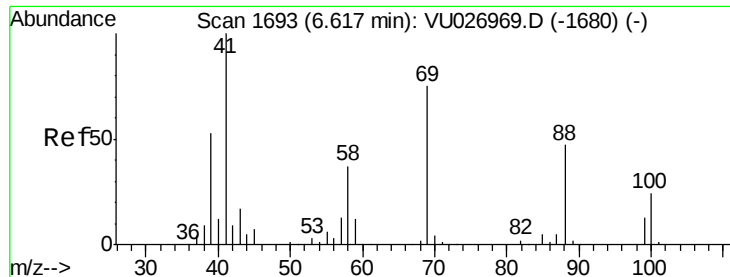


Abundance Ion 41.00 (40.70 to 41.70): VU026966.D (-1602) (-)

Ion 69.00 (68.70 to 69.70): VU026966.D (-1602) (-)

Ion 39.00 (38.70 to 39.70): VU026966.D (-1602) (-)

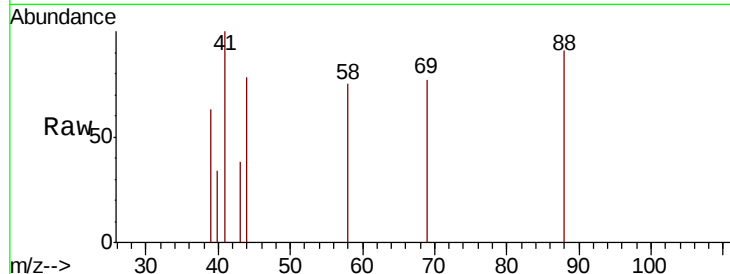
Time-->



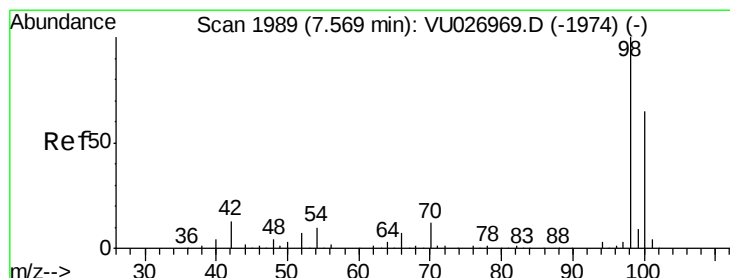
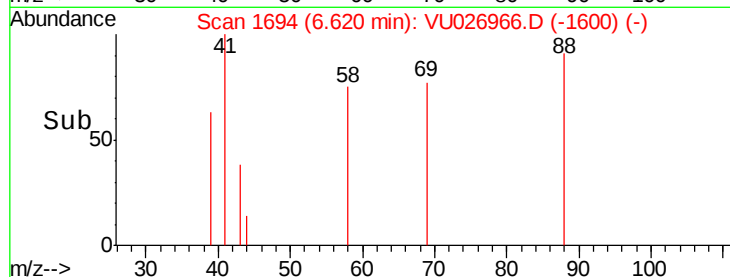
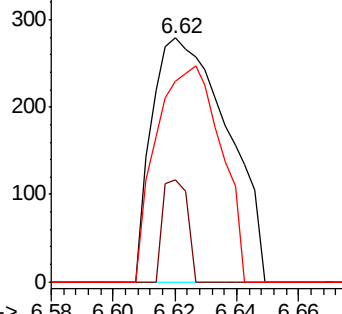
#49
1,4-Dioxane
Concen: 15.389 ug/l
RT: 6.62 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VU026966.D
Acq: 21 Sep 2018 14:05

Instrument :
MSVOA_U
ClientSampleId :
BFB

Tgt Ion: 88 Resp: 475
Ion Ratio Lower Upper
88 100
43 13.5 29.8 44.8#
58 75.6 63.9 95.9

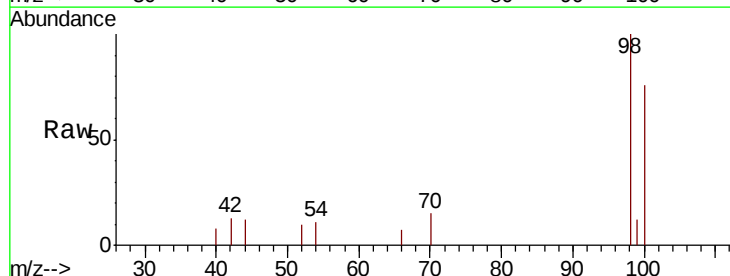


Abundance Ion 88.00 (87.70 to 88.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0

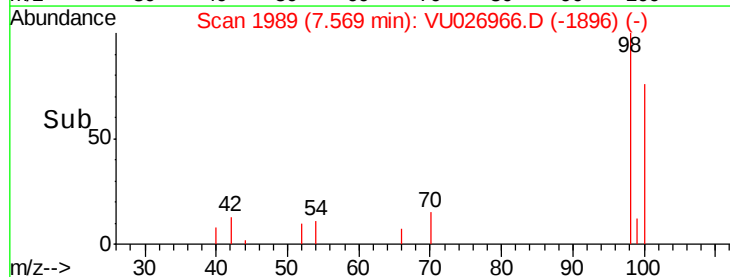
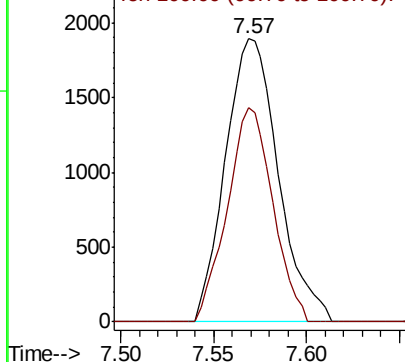


#50
Toluene-d8
Concen: 0.942 ug/l
RT: 7.57 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VU026966.D
Acq: 21 Sep 2018 14:05

Tgt Ion: 98 Resp: 3755
Ion Ratio Lower Upper
98 100
100 65.0 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

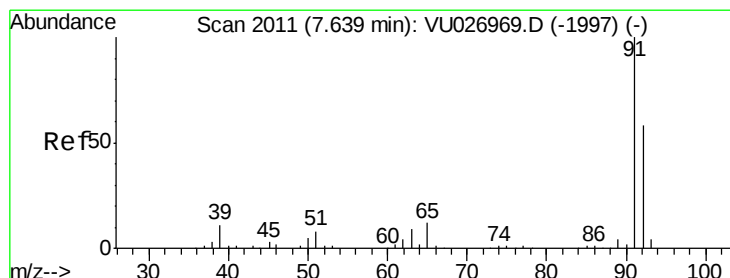
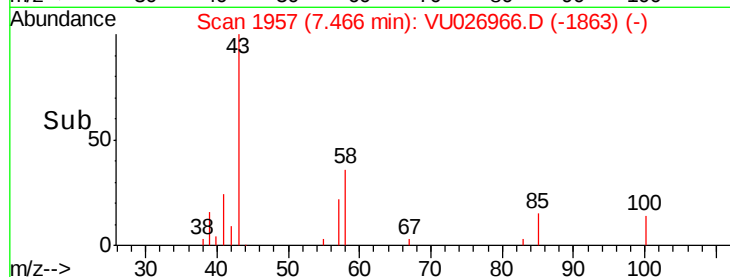
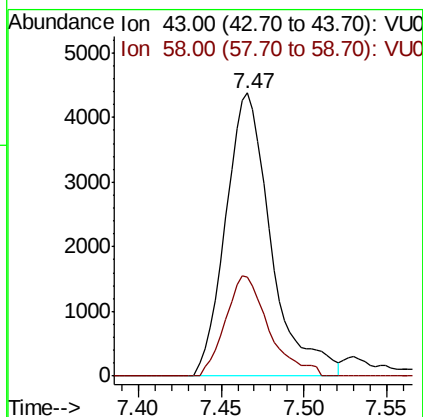
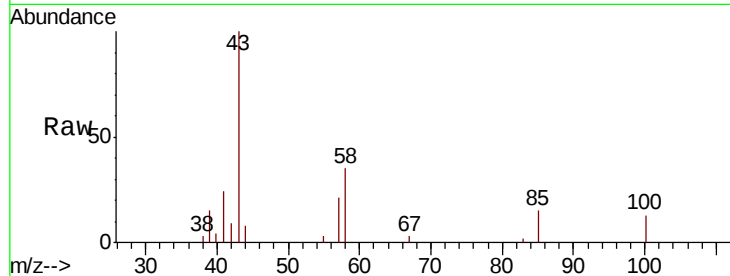




#51
 4-Methyl-2-Pentanone
 Concen: 4.460 ug/l
 RT: 7.47 min Scan# 1957
 Delta R.T. 0.00 min
 Lab File: VU026966.D
 Acq: 21 Sep 2018 14:05

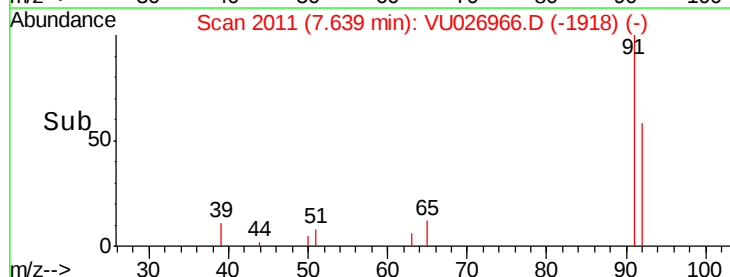
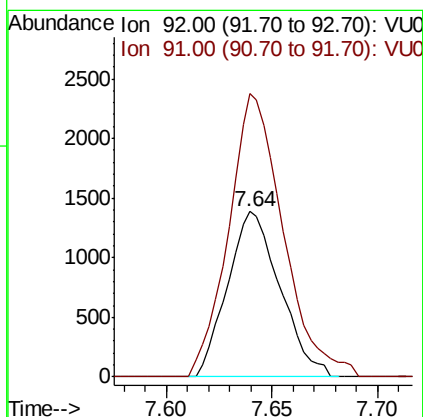
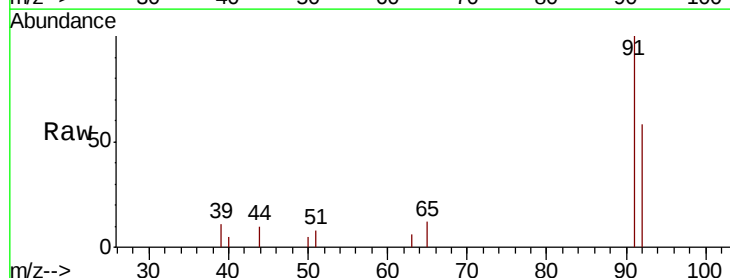
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB

Tgt Ion: 43 Resp: 8340
 Ion Ratio Lower Upper
 43 100
 58 33.8 29.8 44.6



#52
 Toluene
 Concen: 0.872 ug/l
 RT: 7.64 min Scan# 2011
 Delta R.T. 0.00 min
 Lab File: VU026966.D
 Acq: 21 Sep 2018 14:05

Tgt Ion: 92 Resp: 2393
 Ion Ratio Lower Upper
 92 100
 91 178.4 136.4 204.6

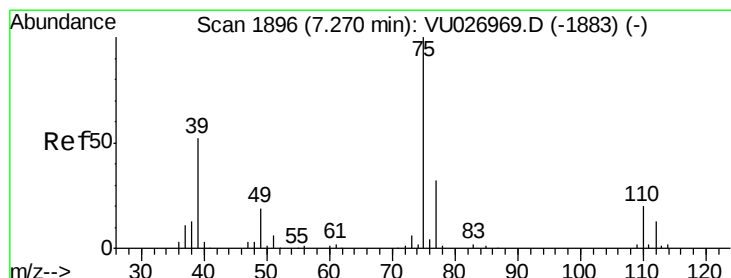
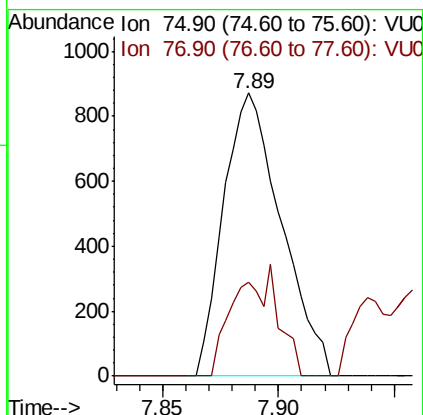
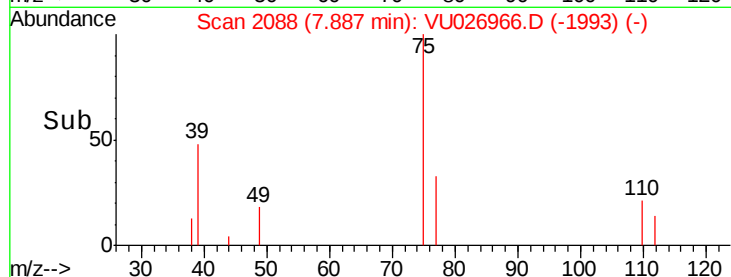
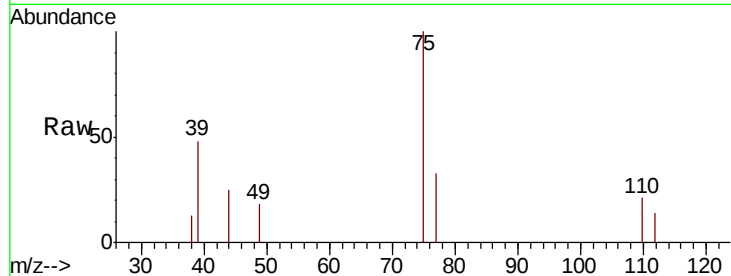




#53
t-1,3-Dichloropropene
Concen: 0.855 ug/l
RT: 7.89 min Scan# 2088
Delta R.T. 0.01 min
Lab File: VU026966.D
Acq: 21 Sep 2018 14:05

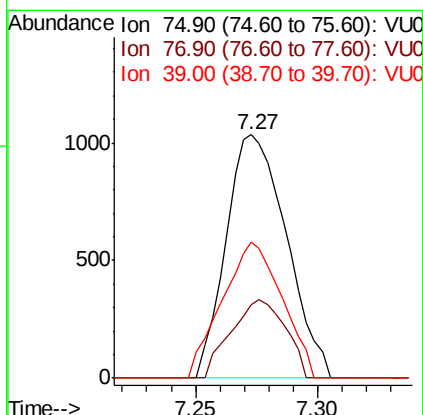
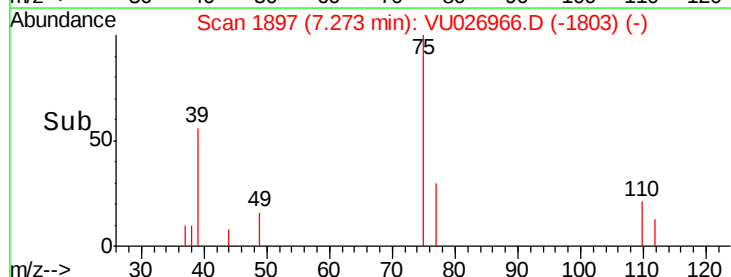
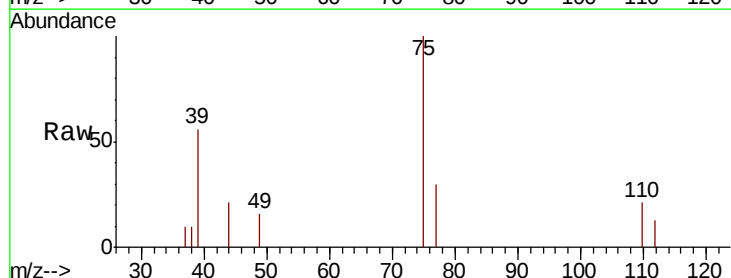
Instrument :
MSVOA_U
ClientSampleId :
BFB

Tgt Ion: 75 Resp: 1511
Ion Ratio Lower Upper
75 100
77 33.1 25.3 37.9



#54
cis-1,3-Dichloropropene
Concen: 0.931 ug/l
RT: 7.27 min Scan# 1897
Delta R.T. 0.00 min
Lab File: VU026966.D
Acq: 21 Sep 2018 14:05

Tgt Ion: 75 Resp: 1774
Ion Ratio Lower Upper
75 100
77 30.1 25.4 38.0
39 55.7 41.6 62.4

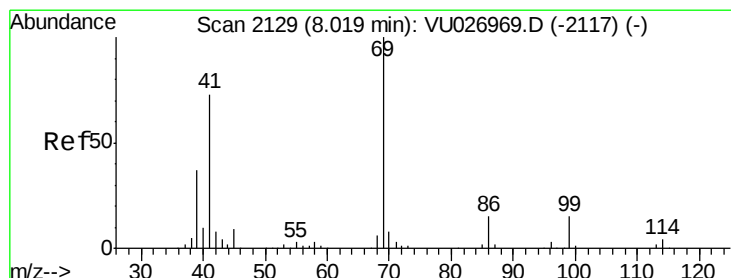
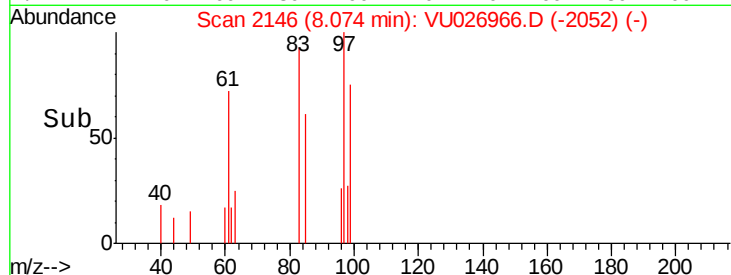
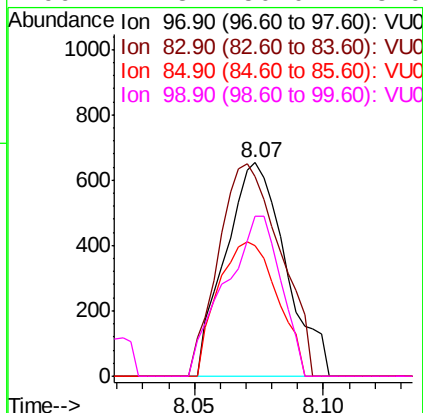
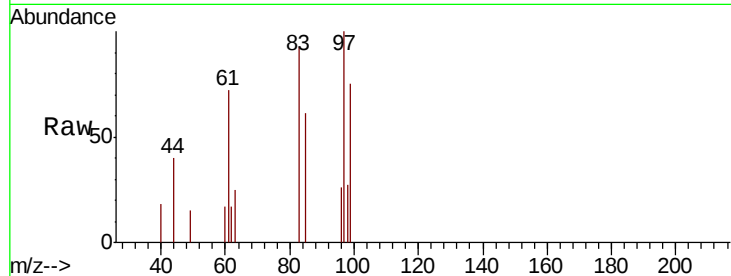




#55
 1,1,2-Trichloroethane
 Concen: 0.908 ug/l
 RT: 8.07 min Scan# 2146
 Delta R.T. 0.00 min
 Lab File: VU026966.D
 Acq: 21 Sep 2018 14:05

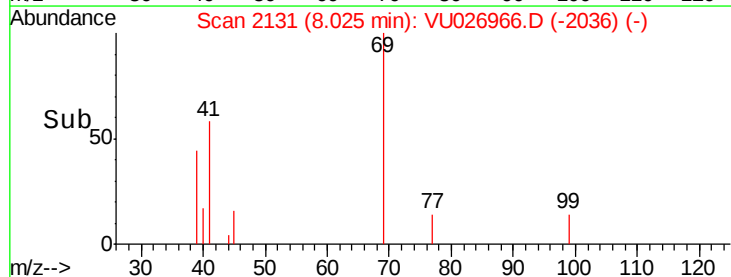
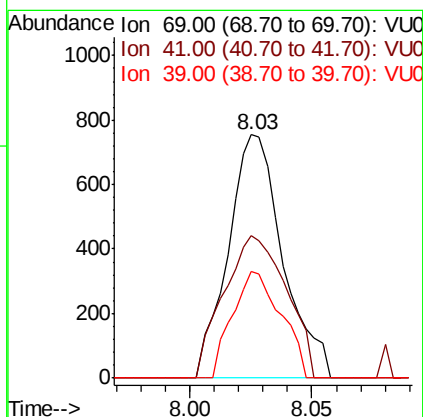
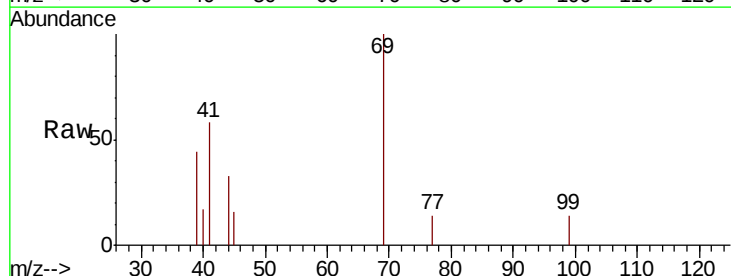
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB

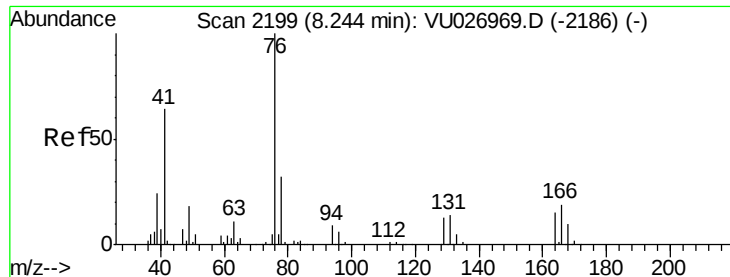
Tgt Ion: 97 Resp: 1061
 Ion Ratio Lower Upper
 97 100
 83 93.4 73.1 109.7
 85 60.9 46.7 70.1
 99 74.8 50.0 75.0



#56
 Ethyl methacrylate
 Concen: 0.680 ug/l
 RT: 8.03 min Scan# 2131
 Delta R.T. 0.01 min
 Lab File: VU026966.D
 Acq: 21 Sep 2018 14:05

Tgt Ion: 69 Resp: 1171
 Ion Ratio Lower Upper
 69 100
 41 67.5 59.0 88.4
 39 38.9 30.2 45.4

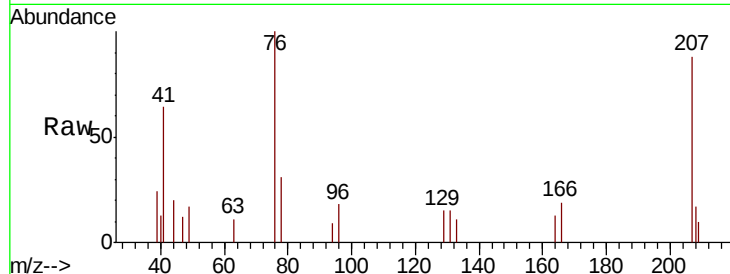




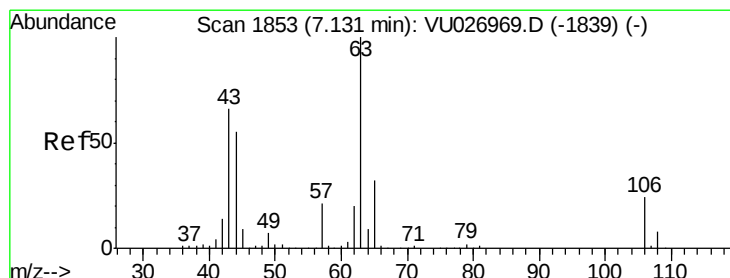
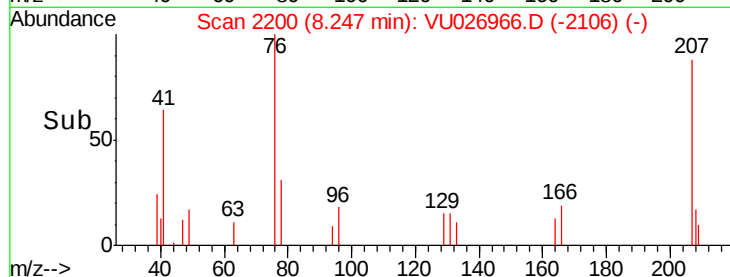
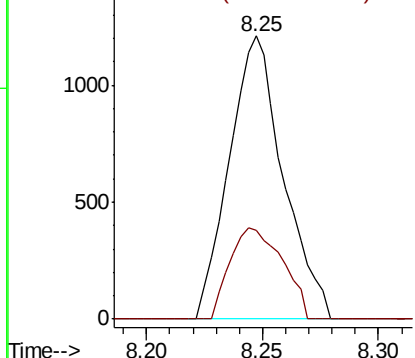
#57
 1,3-Dichloropropane
 Concen: 0.966 ug/l
 RT: 8.25 min Scan# 2200
 Delta R.T. 0.00 min
 Lab File: VU026966.D
 Acq: 21 Sep 2018 14:05

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB

Tgt Ion: 76 Resp: 1957
 Ion Ratio Lower Upper
 76 100
 78 31.4 25.5 38.3

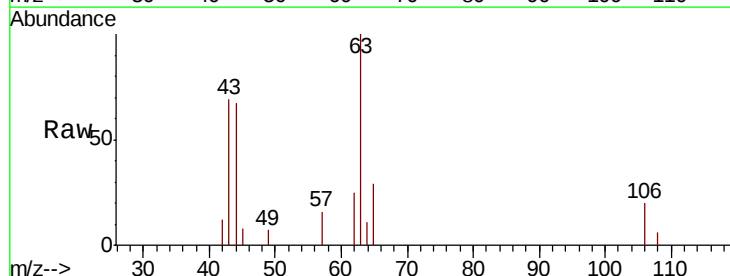


Abundance Ion 75.90 (75.60 to 76.60): VU0
 Ion 77.90 (77.60 to 78.60): VU0

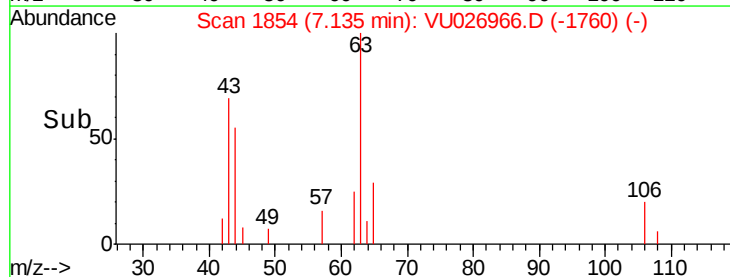
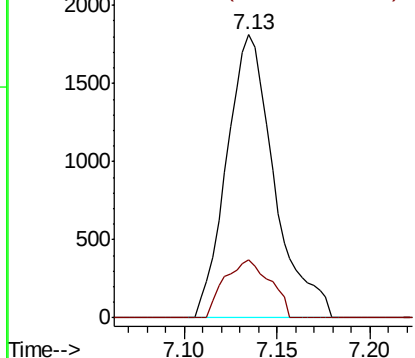


#58
 2-Chloroethyl Vinyl ether
 Concen: 3.677 ug/l
 RT: 7.13 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VU026966.D
 Acq: 21 Sep 2018 14:05

Tgt Ion: 63 Resp: 3243
 Ion Ratio Lower Upper
 63 100
 106 19.7 18.7 28.1



Abundance Ion 62.90 (62.60 to 63.60): VU0
 Ion 105.90 (105.60 to 106.60): V

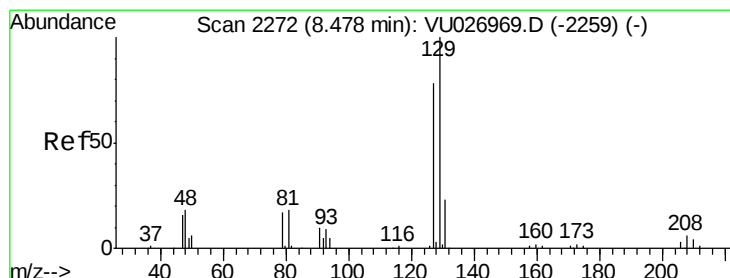
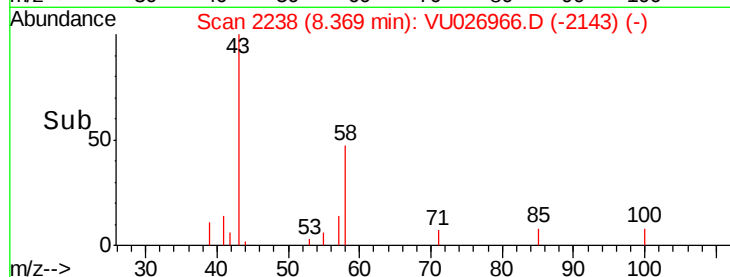
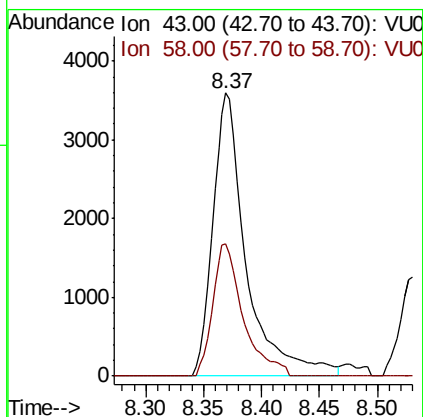
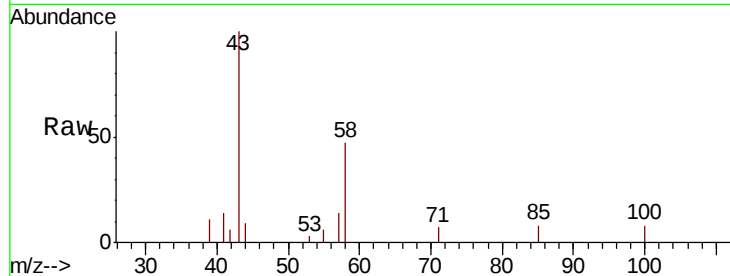




#59
2-Hexanone
Concen: 4.918 ug/l
RT: 8.37 min Scan# 2238
Delta R.T. 0.01 min
Lab File: VU026966.D
Acq: 21 Sep 2018 14:05

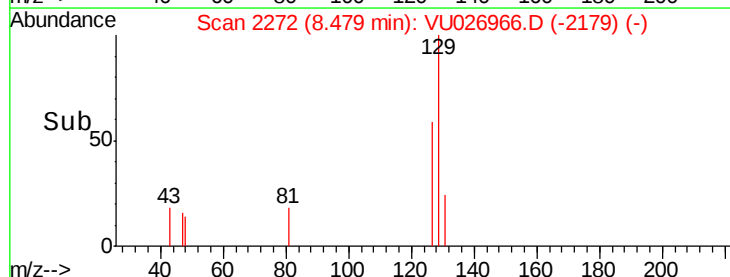
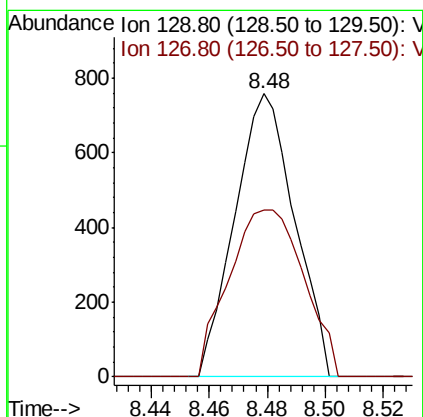
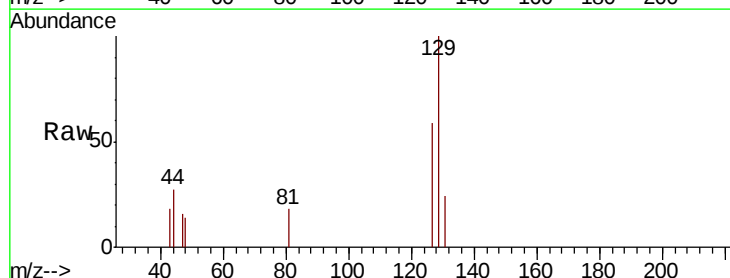
Instrument :
MSVOA_U
ClientSampleId :
BFB

Tgt Ion: 43 Resp: 7197
Ion Ratio Lower Upper
43 100
58 42.7 26.1 78.2



#60
Dibromochloromethane
Concen: 0.875 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VU026966.D
Acq: 21 Sep 2018 14:05

Tgt Ion: 129 Resp: 1084
Ion Ratio Lower Upper
129 100
127 74.2 38.1 114.5





#61

1,2-Dibromoethane

Concen: 0.882 ug/l

RT: 8.59 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VU026966.D

Acq: 21 Sep 2018 14:05

Instrument :

MSVOA_U

ClientSampled :

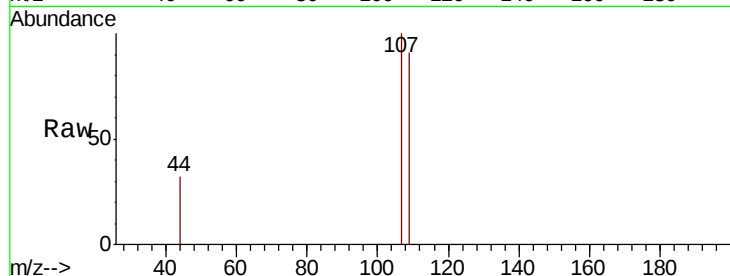
BFB

Tgt Ion: 107 Resp: 1113

Ion Ratio Lower Upper

107 100

109 84.4 75.0 112.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.59

600

400

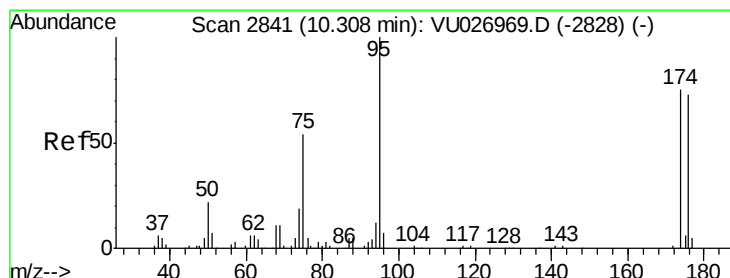
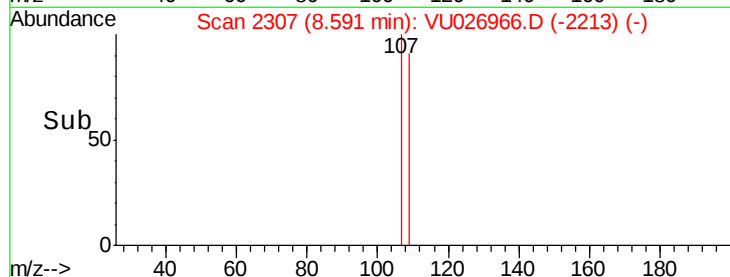
200

0

Time-->

8.55

8.60



#62

4-Bromofluorobenzene

Concen: 0.816 ug/l

RT: 10.31 min Scan# 2842

Delta R.T. 0.00 min

Lab File: VU026966.D

Acq: 21 Sep 2018 14:05

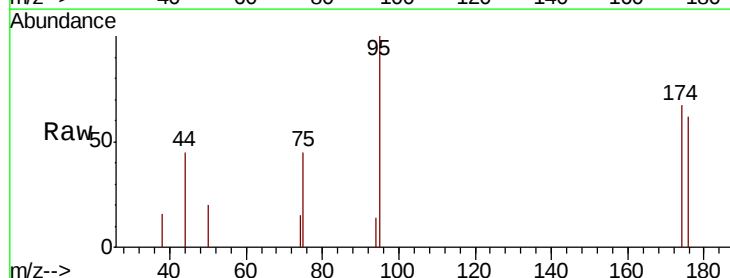
Tgt Ion: 95 Resp: 1166

Ion Ratio Lower Upper

95 100

174 71.4 0.0 150.2

176 65.7 0.0 145.2



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

1000

800

600

400

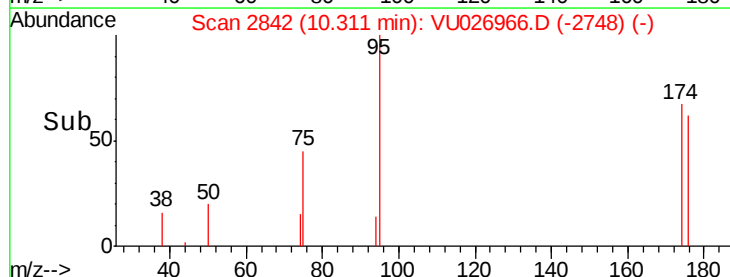
200

0

Time-->

10.30

10.35

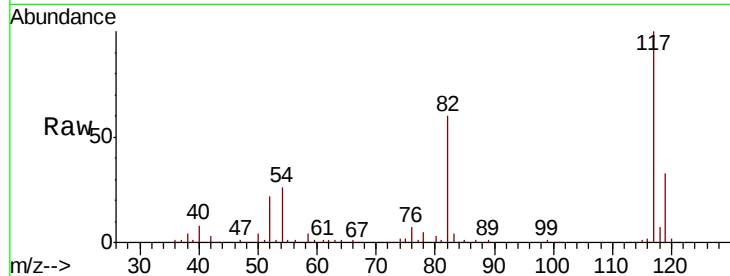




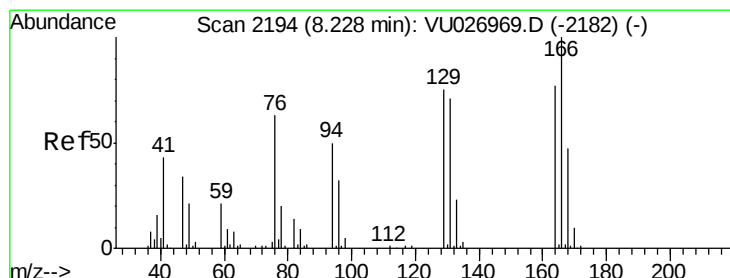
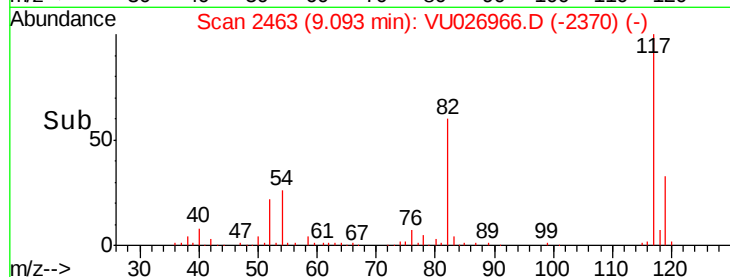
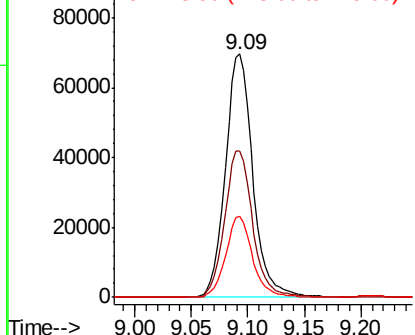
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2463
Delta R.T. 0.00 min
Lab File: VU026966.D
Acq: 21 Sep 2018 14:05

Instrument :
MSVOA_U
ClientSampleId :
BFB

Tgt Ion:117 Resp: 117377
Ion Ratio Lower Upper
117 100
82 60.3 48.0 72.0
119 33.2 25.8 38.8

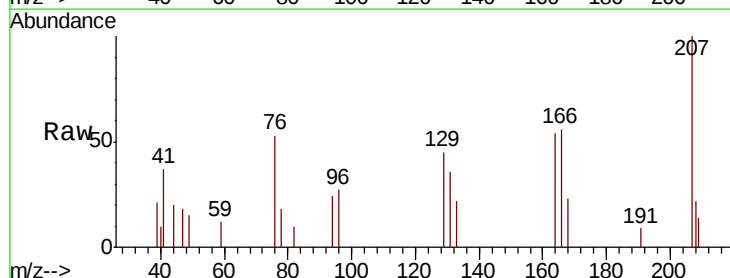


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

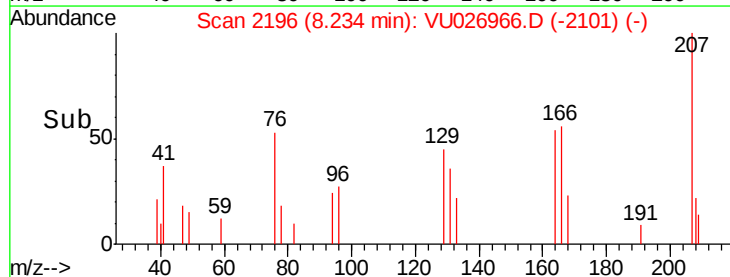
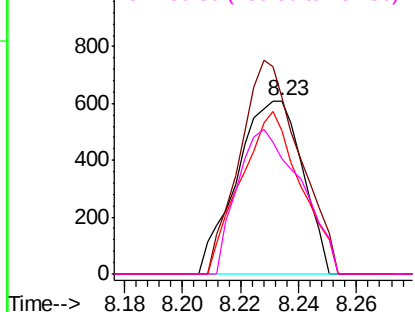


#64
Tetrachloroethene
Concen: 1.035 ug/l
RT: 8.23 min Scan# 2196
Delta R.T. 0.01 min
Lab File: VU026966.D
Acq: 21 Sep 2018 14:05

Tgt Ion:164 Resp: 955
Ion Ratio Lower Upper
164 100
166 102.3 104.4 156.6#
129 83.1 78.7 118.1
131 66.3 73.9 110.9#



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

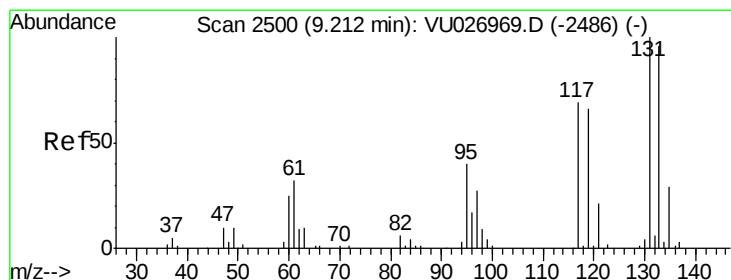
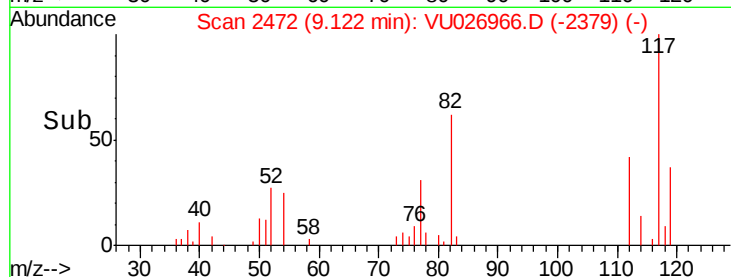
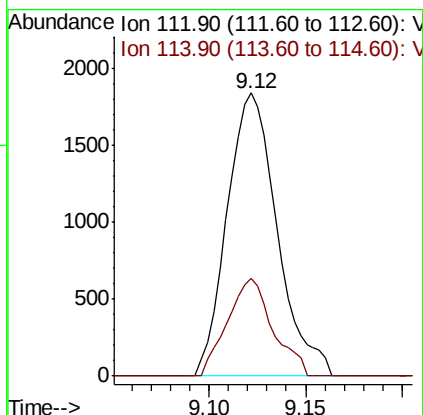
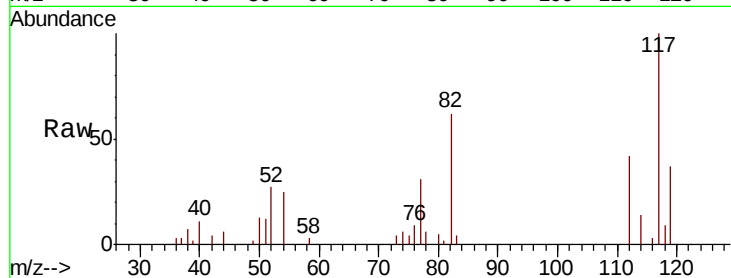




#65
Chlorobenzene
Concen: 1.134 ug/l
RT: 9.12 min Scan# 2472
Delta R.T. 0.00 min
Lab File: VU026966.D
Acq: 21 Sep 2018 14:05

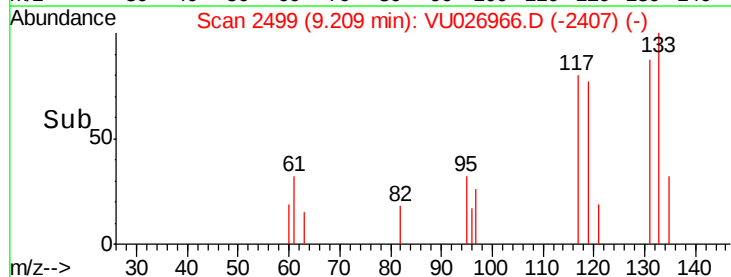
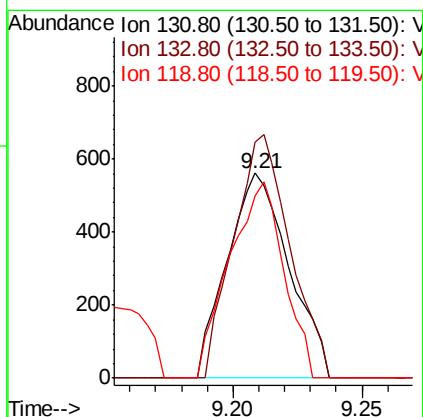
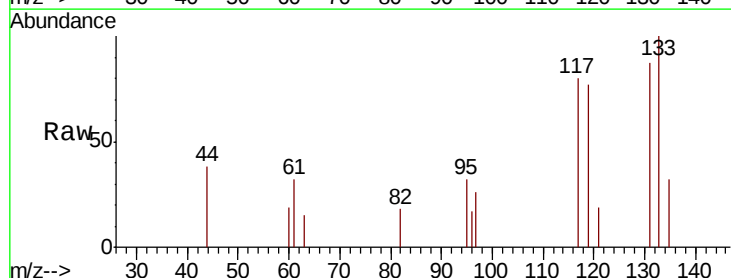
Instrument :
MSVOA_U
ClientSampleId :
BFB

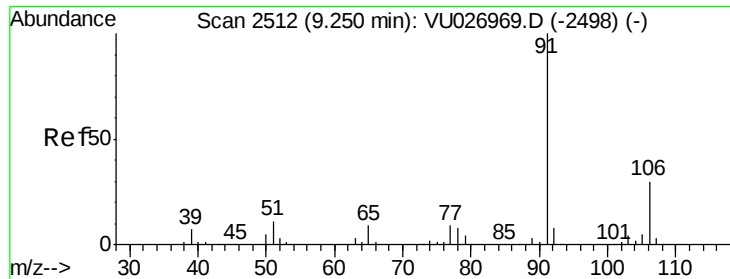
Tgt Ion:112 Resp: 3312
Ion Ratio Lower Upper
112 100
114 34.4 25.0 37.6



#66
1,1,1,2-Tetrachloroethane
Concen: 0.875 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VU026966.D
Acq: 21 Sep 2018 14:05

Tgt Ion:131 Resp: 936
Ion Ratio Lower Upper
131 100
133 108.2 48.0 144.2
119 0.0 33.4 100.1#

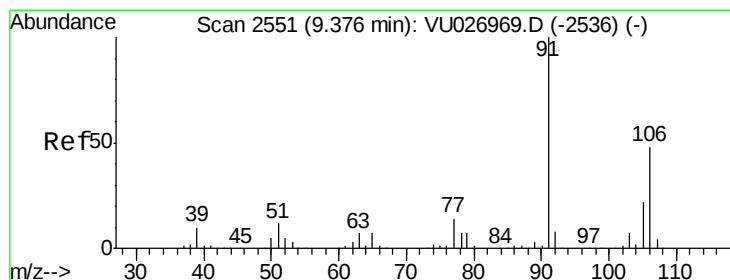
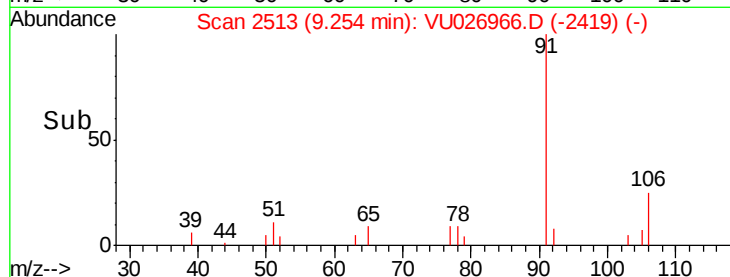
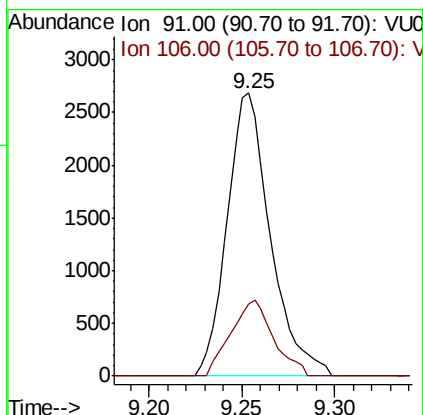
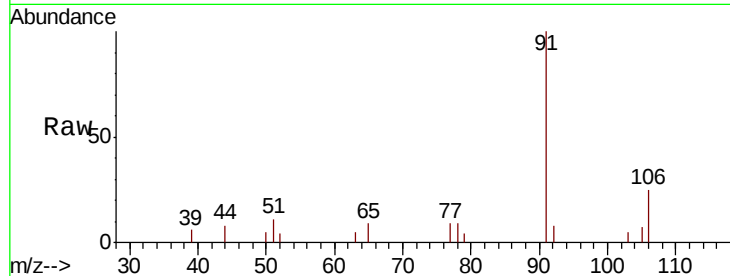




#67
Ethyl Benzene
Concen: 0.897 ug/l
RT: 9.25 min Scan# 2513
Delta R.T. 0.00 min
Lab File: VU026966.D
Acq: 21 Sep 2018 14:05

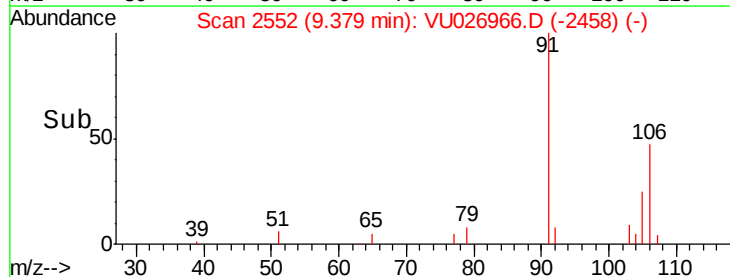
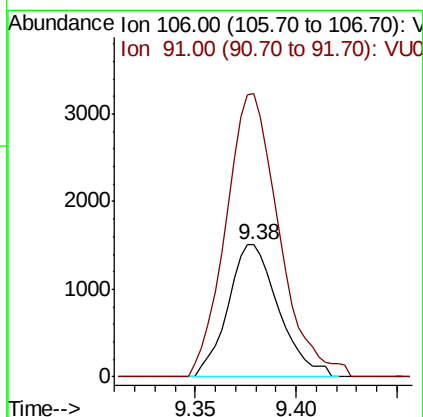
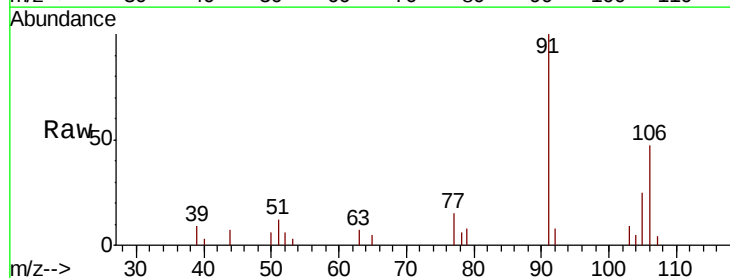
Instrument :
MSVOA_U
ClientSampled :
BFB

Tgt Ion: 91 Resp: 4357
Ion Ratio Lower Upper
91 100
106 25.4 23.8 35.8



#68
m/p-Xylenes
Concen: 1.443 ug/l
RT: 9.38 min Scan# 2552
Delta R.T. 0.00 min
Lab File: VU026966.D
Acq: 21 Sep 2018 14:05

Tgt Ion: 106 Resp: 2651
Ion Ratio Lower Upper
106 100
91 224.2 166.5 249.7

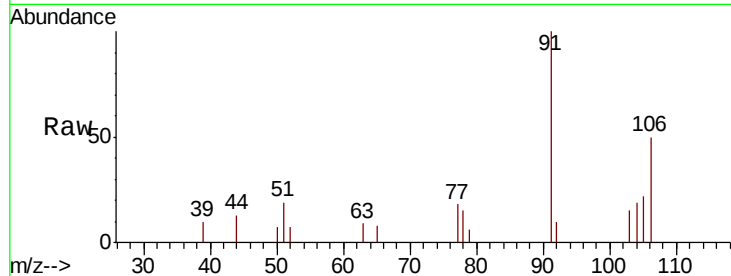




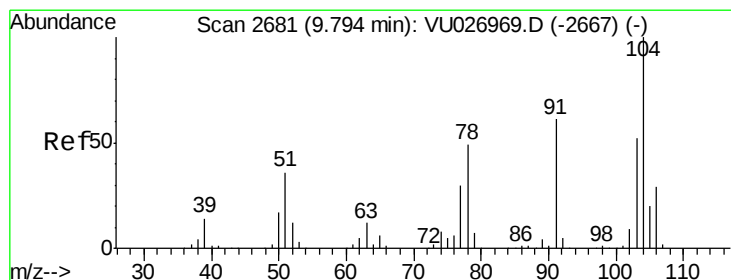
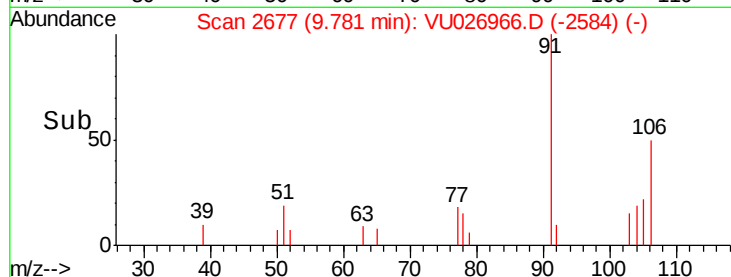
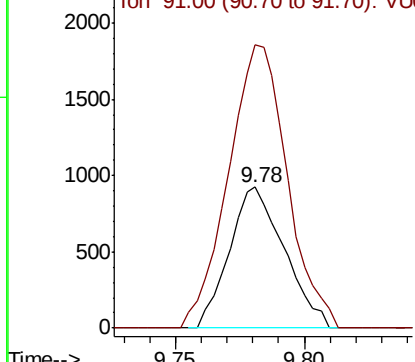
#69
o-Xylene
Concen: 0.768 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU026966.D
Acq: 21 Sep 2018 14:05

Instrument :
MSVOA_U
ClientSampled :
BFB

Tgt Ion:106 Resp: 1369
Ion Ratio Lower Upper
106 100
91 216.1 110.2 330.6

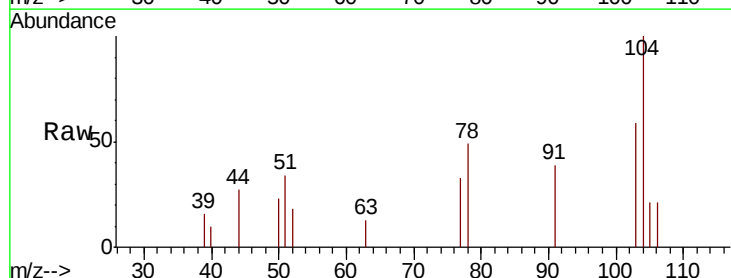


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

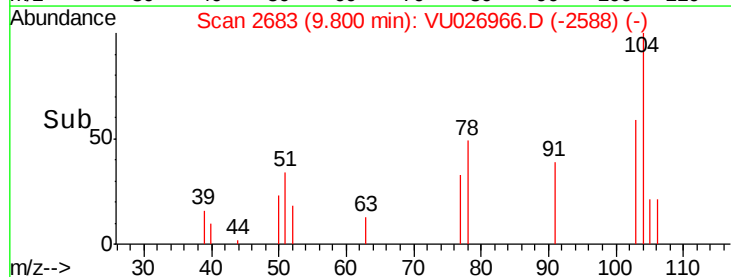
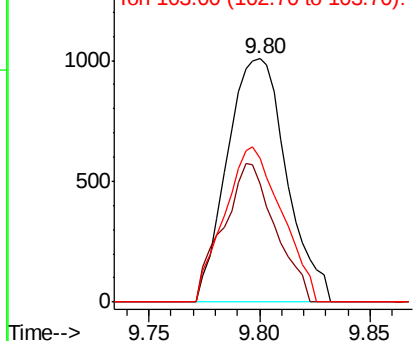


#70
Styrene
Concen: 0.645 ug/l
RT: 9.80 min Scan# 2683
Delta R.T. 0.01 min
Lab File: VU026966.D
Acq: 21 Sep 2018 14:05

Tgt Ion:104 Resp: 1883
Ion Ratio Lower Upper
104 100
78 49.9 43.0 64.4
103 61.3 44.1 66.1



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





#71

Bromoform

Concen: 0.723 ug/l

RT: 9.96 min Scan# 2734

Delta R.T. 0.01 min

Lab File: VU026966.D

Acq: 21 Sep 2018 14:05

Instrument :

MSVOA_U

ClientSampleId :

BFB

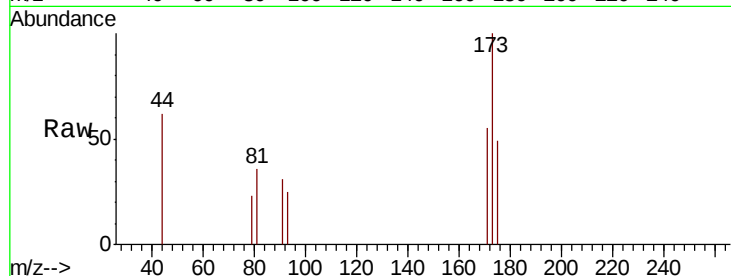
Tgt Ion:173 Resp: 658

Ion Ratio Lower Upper

173 100

175 47.4 23.9 71.8

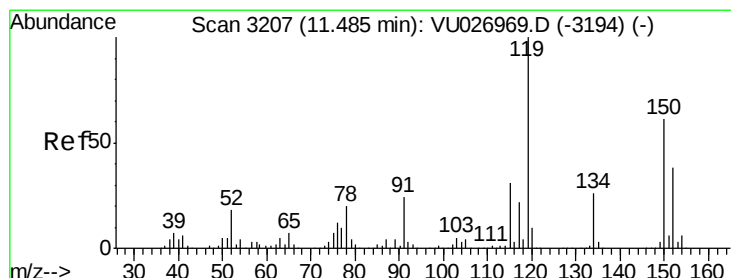
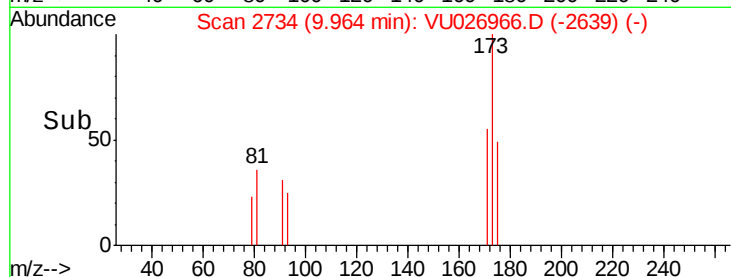
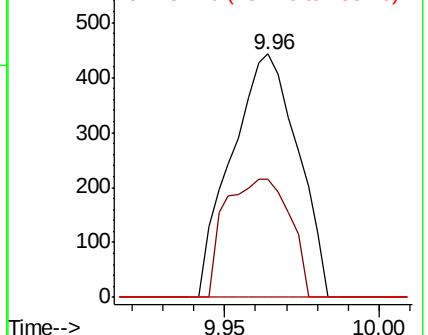
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3207

Delta R.T. 0.00 min

Lab File: VU026966.D

Acq: 21 Sep 2018 14:05

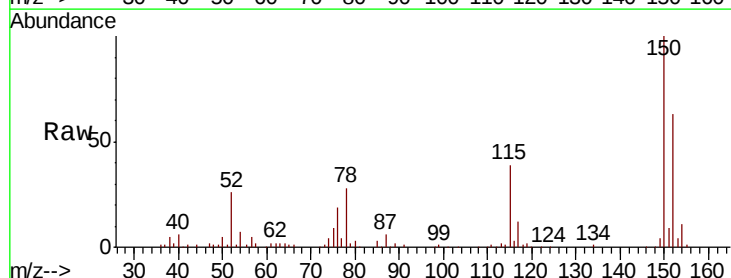
Tgt Ion:152 Resp: 49988

Ion Ratio Lower Upper

152 100

115 61.1 44.9 134.5

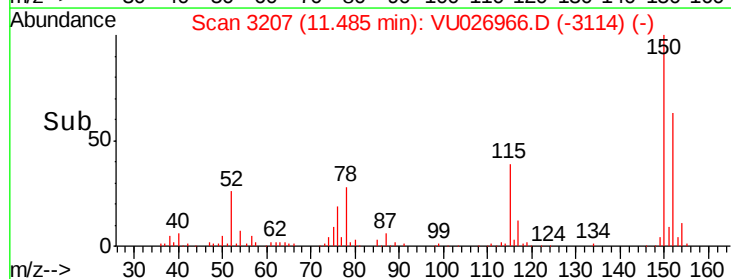
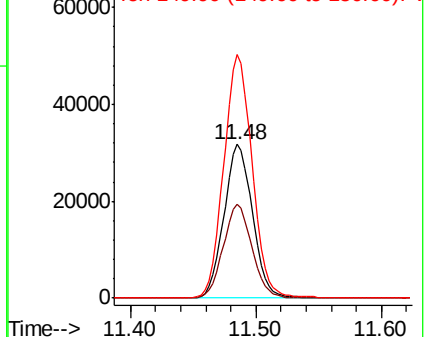
150 158.0 0.0 355.8

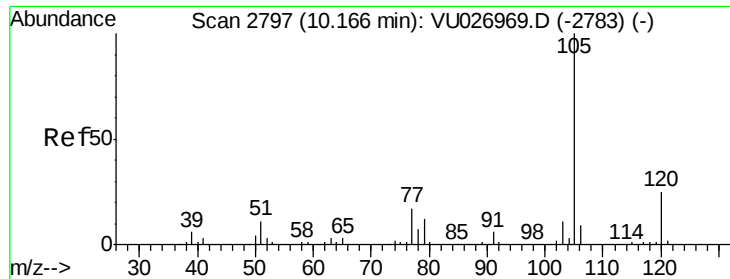


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 0.899 ug/l

RT: 10.17 min Scan# 2798

Delta R.T. 0.00 min

Lab File: VU026966.D

Acq: 21 Sep 2018 14:05

Instrument :

MSVOA_U

ClientSampleId :

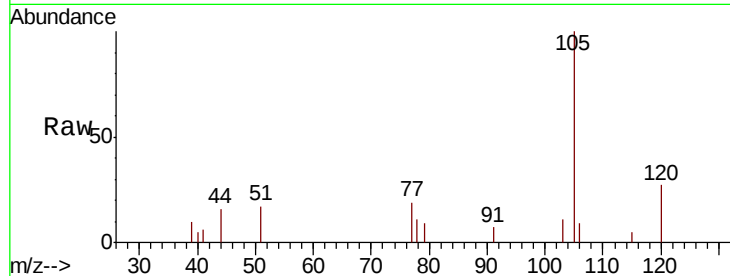
BFB

Tgt Ion: 105 Resp: 3136

Ion Ratio Lower Upper

105 100

120 25.5 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

2000

1500

1000

500

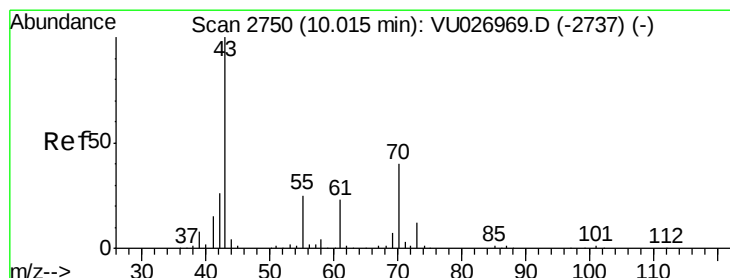
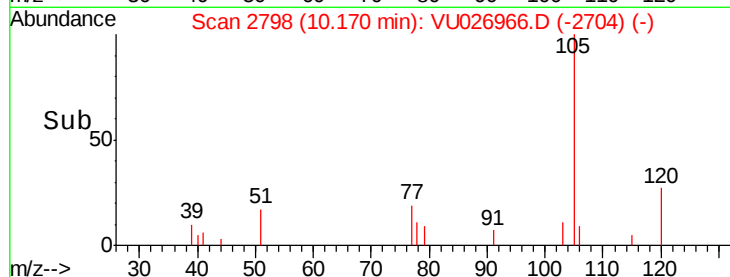
0

10.15

10.17

10.20

Time-->



#74

N-ethyl acetate

Concen: 1.210 ug/l

RT: 10.02 min Scan# 2751

Delta R.T. 0.00 min

Lab File: VU026966.D

Acq: 21 Sep 2018 14:05

Tgt Ion: 43 Resp: 2059

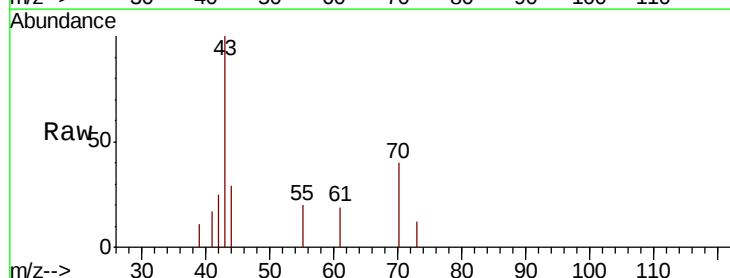
Ion Ratio Lower Upper

43 100

70 36.0 31.8 47.8

55 16.4 19.9 29.9#

61 14.8 18.4 27.6#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

1500

1000

500

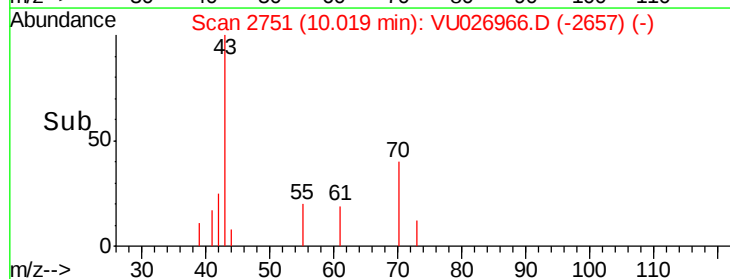
0

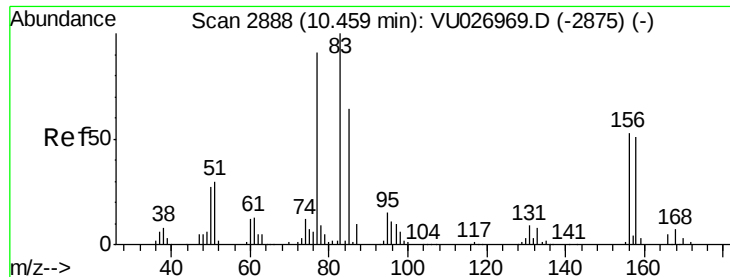
10.00

10.02

10.05

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 1.422 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU026966.D

Acq: 21 Sep 2018 14:05

Instrument :

MSVOA_U

ClientSampleId :

BFB

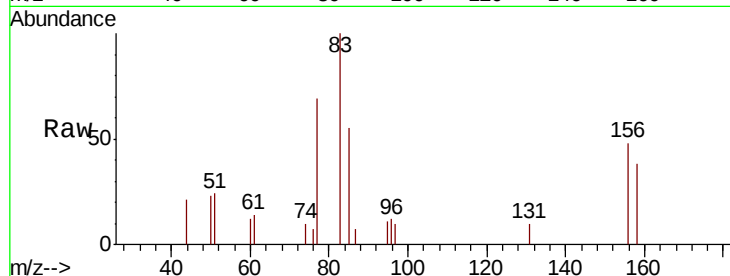
Tgt Ion: 83 Resp: 2045

Ion Ratio Lower Upper

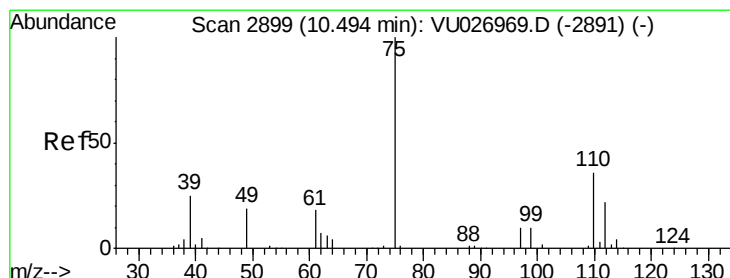
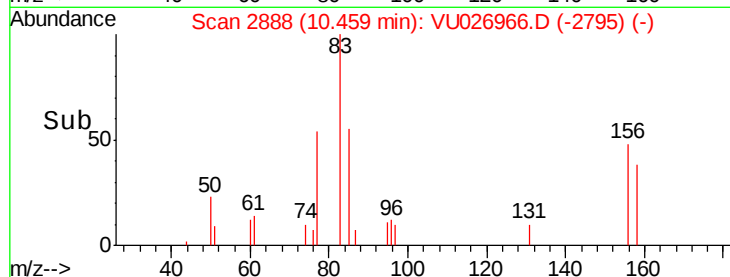
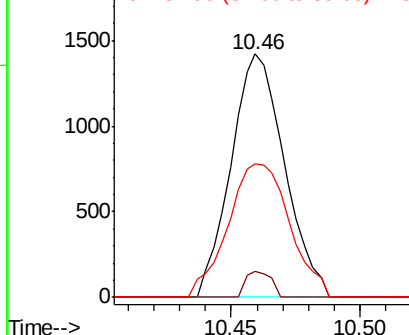
83 100

131 5.0 4.3 12.8

85 63.5 31.9 95.7



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: 1.849 ug/l

RT: 10.50 min Scan# 2900

Delta R.T. 0.00 min

Lab File: VU026966.D

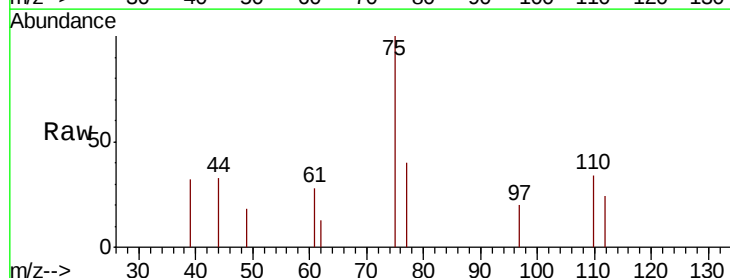
Acq: 21 Sep 2018 14:05

Tgt Ion: 75 Resp: 2164

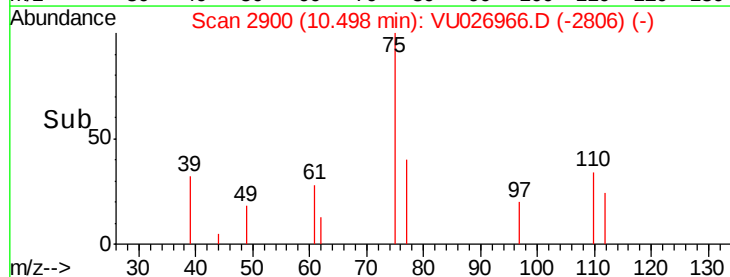
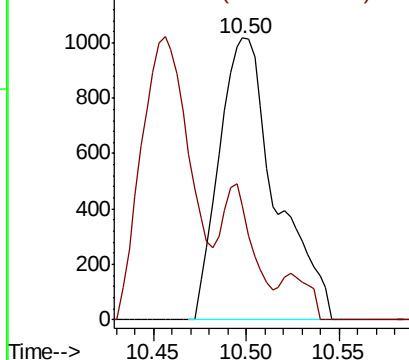
Ion Ratio Lower Upper

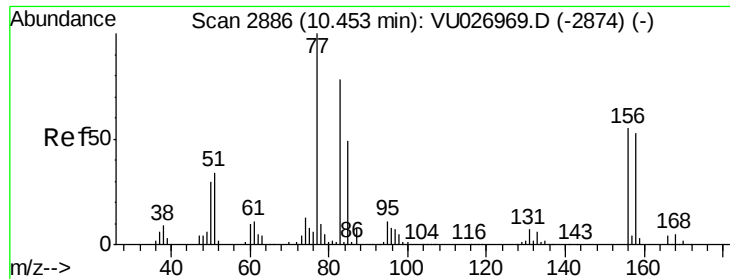
75 100

77 27.0 20.9 62.8



Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 77.00 (76.70 to 77.70): VU0





#77

Bromobenzene

Concen: 1.025 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VU026966.D

Acq: 21 Sep 2018 14:05

Instrument :

MSVOA_U

ClientSampleId :

BFB

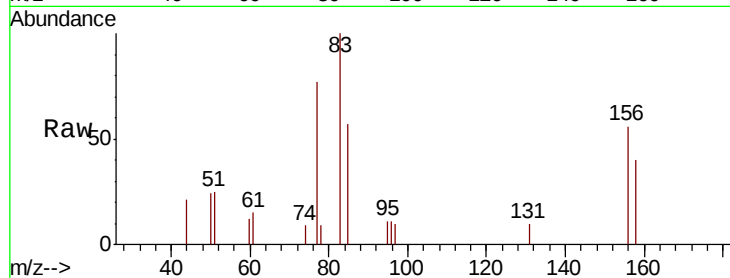
Tgt Ion:156 Resp: 953

Ion Ratio Lower Upper

156 100

77 196.9 92.3 276.9

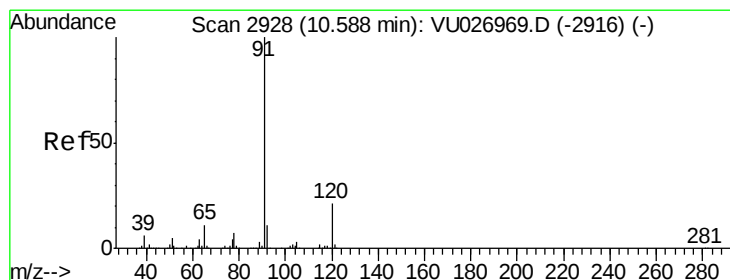
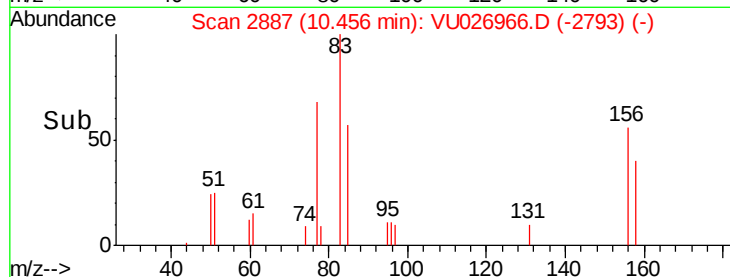
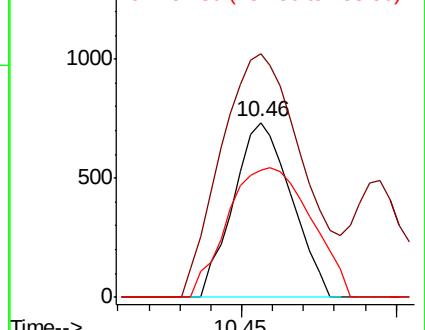
158 106.6 48.1 144.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 0.837 ug/l

RT: 10.59 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VU026966.D

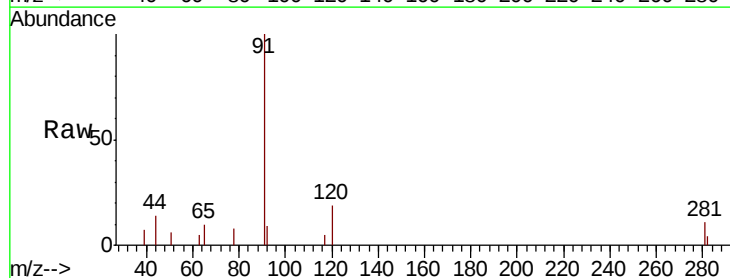
Acq: 21 Sep 2018 14:05

Tgt Ion: 91 Resp: 3417

Ion Ratio Lower Upper

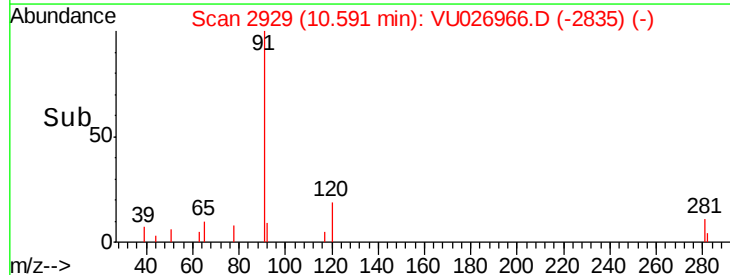
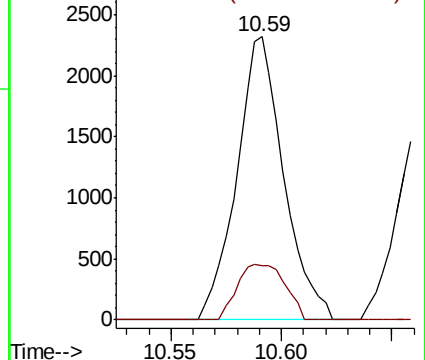
91 100

120 19.9 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 1.008 ug/l

RT: 10.66 min Scan# 2951

Delta R.T. 0.00 min

Lab File: VU026966.D

Acq: 21 Sep 2018 14:05

Instrument :

MSVOA_U

ClientSampleId :

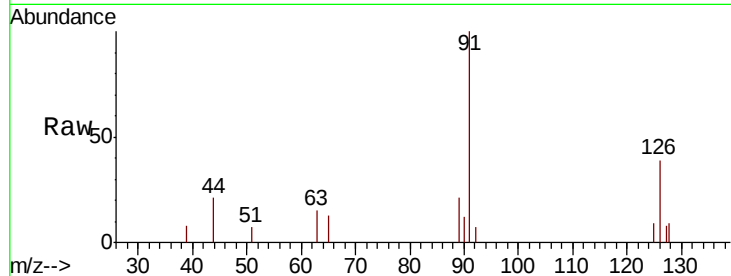
BFB

Tgt Ion: 91 Resp: 2545

Ion Ratio Lower Upper

91 100

126 30.6 15.8 47.3



Abundance Ion 91.00 (90.70 to 91.70): VU026966.D (-2940) (-)

Ion 125.90 (125.60 to 126.60): VU026966.D (-2940) (-)

10.66

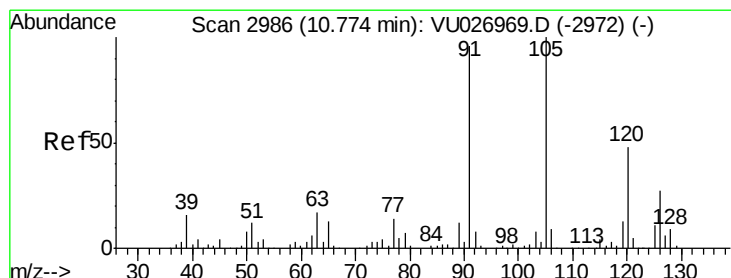
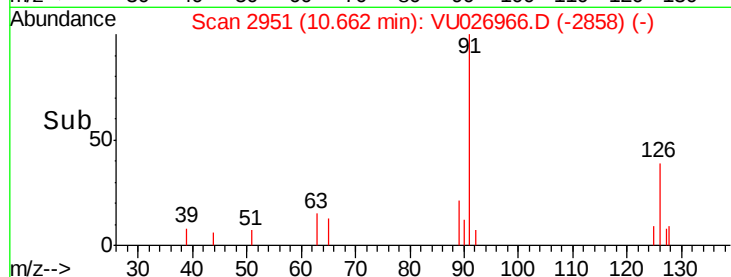
1500

1000

500

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 0.797 ug/l

RT: 10.77 min Scan# 2986

Delta R.T. 0.00 min

Lab File: VU026966.D

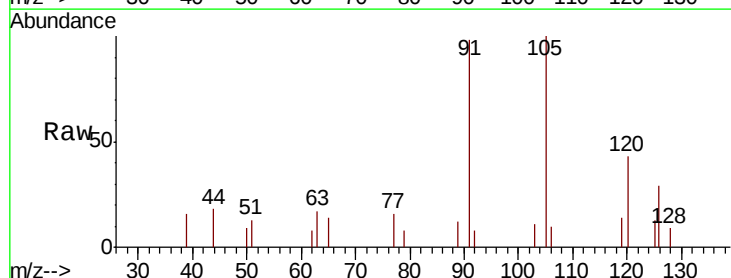
Acq: 21 Sep 2018 14:05

Tgt Ion: 105 Resp: 2334

Ion Ratio Lower Upper

105 100

120 41.6 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VU026966.D (-2972) (-)

Ion 120.00 (119.70 to 120.70): VU026966.D (-2972) (-)

10.77

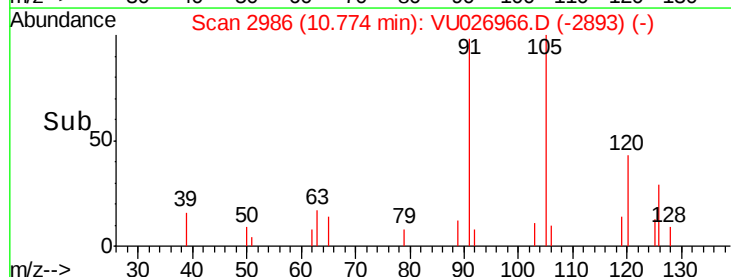
1500

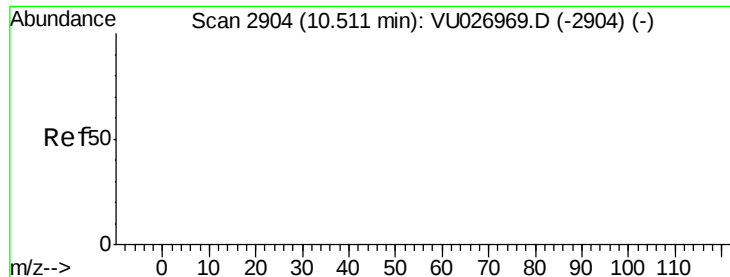
1000

500

0

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 5.404 ug/l

RT: 10.50 min Scan# 2900

Delta R.T. -0.02 min

Lab File: VU026966.D

Acq: 21 Sep 2018 14:05

Instrument :

MSVOA_U

ClientSampled :

BFB

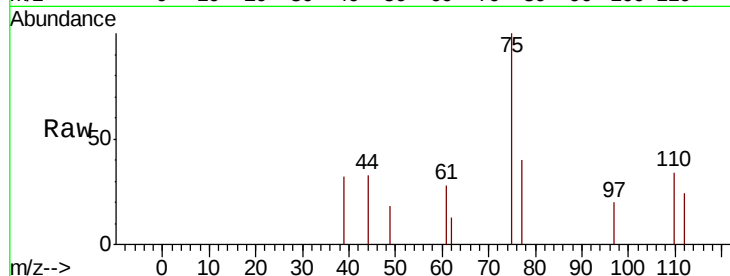
Tgt Ion: 75 Resp: 2164

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

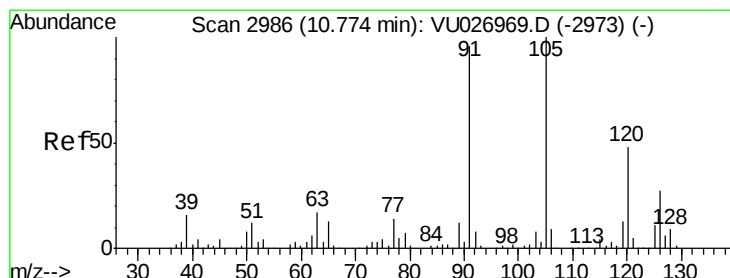
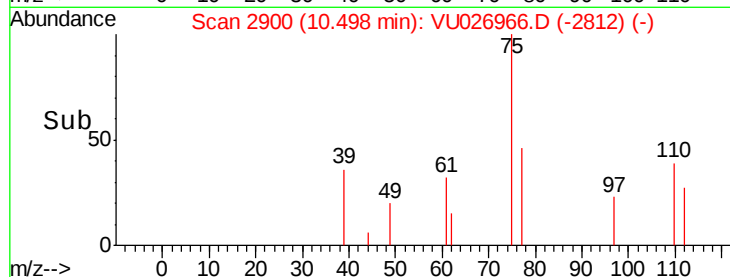
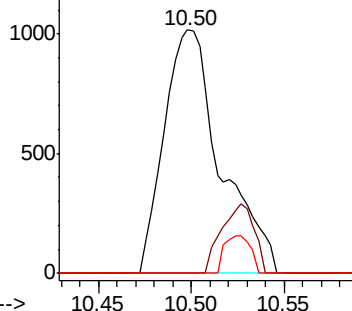
89 0.0 0.0 0.0



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: 0.897 ug/l

RT: 10.77 min Scan# 2986

Delta R.T. 0.00 min

Lab File: VU026966.D

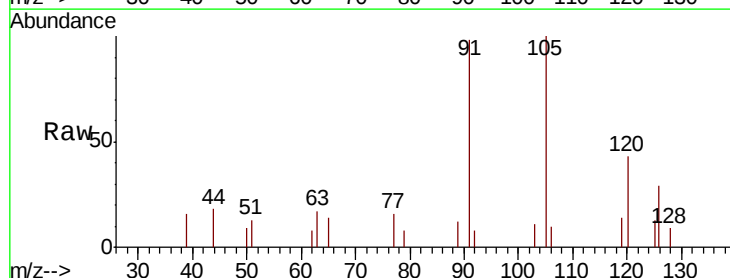
Acq: 21 Sep 2018 14:05

Tgt Ion: 91 Resp: 2546

Ion Ratio Lower Upper

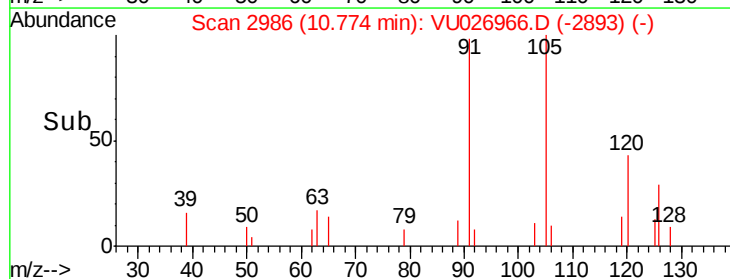
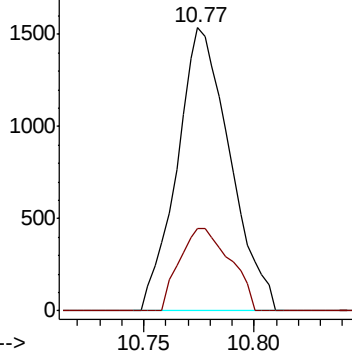
91 100

126 28.0 14.1 42.2



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 125.90 (125.60 to 126.60): V

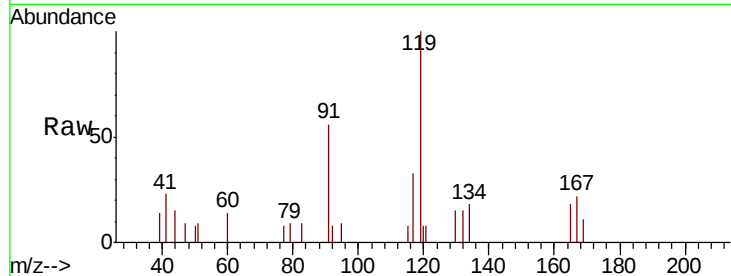




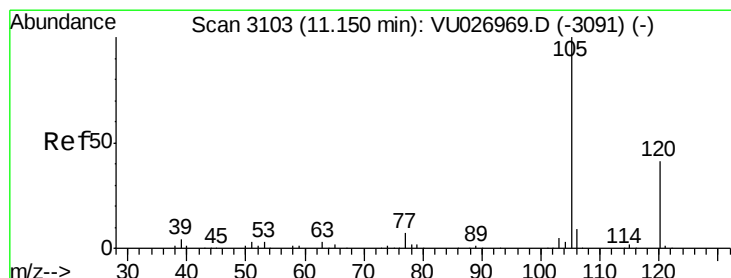
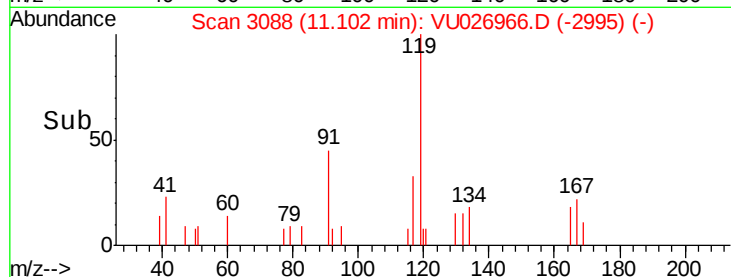
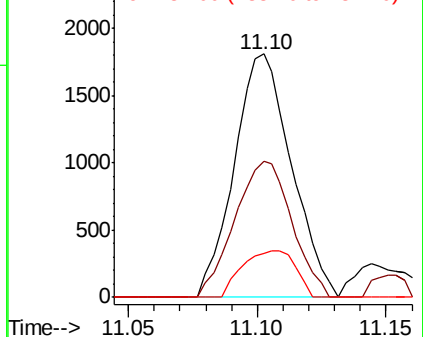
#83
 tert-Butylbenzene
 Concen: 0.951 ug/l
 RT: 11.10 min Scan# 3088
 Delta R.T. 0.00 min
 Lab File: VU026966.D
 Acq: 21 Sep 2018 14:05

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB

Tgt Ion:119 Resp: 2801
 Ion Ratio Lower Upper
 119 100
 91 55.9 29.8 89.4
 134 17.8 11.5 34.4

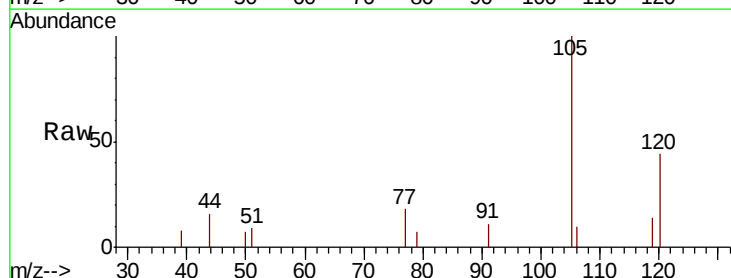


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VU0
 Ion 134.00 (133.70 to 134.70): V

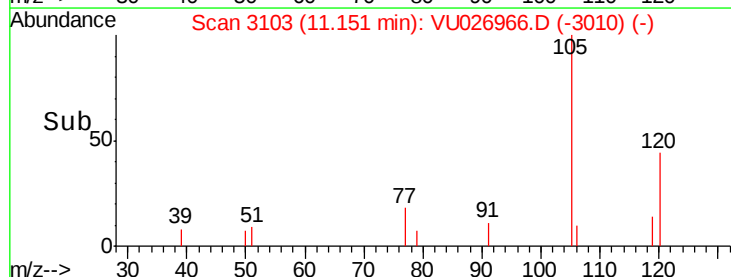
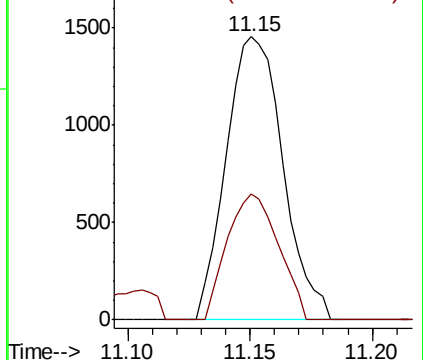


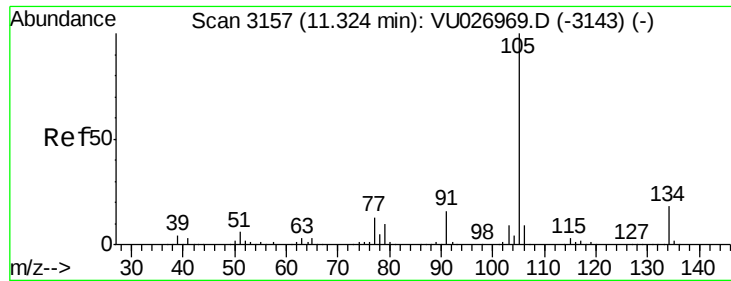
#84
 1,2,4-Trimethylbenzene
 Concen: 0.795 ug/l
 RT: 11.15 min Scan# 3103
 Delta R.T. 0.00 min
 Lab File: VU026966.D
 Acq: 21 Sep 2018 14:05

Tgt Ion:105 Resp: 2351
 Ion Ratio Lower Upper
 105 100
 120 40.3 22.4 67.2



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

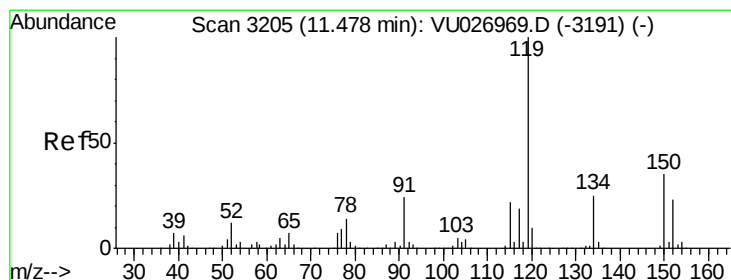
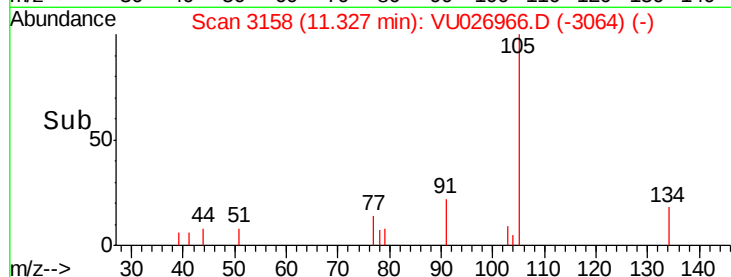
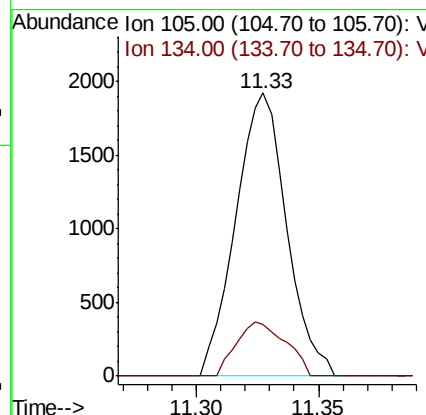
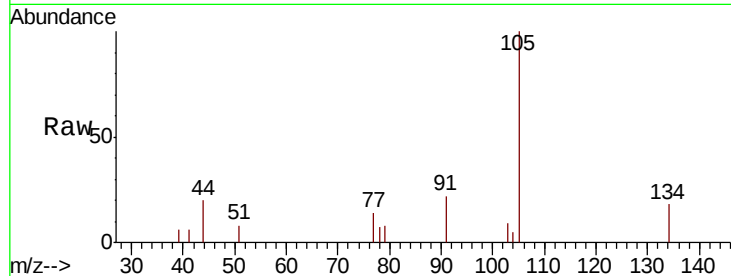




#85
 sec-Butylbenzene
 Concen: 0.790 ug/l
 RT: 11.33 min Scan# 3158
 Delta R.T. 0.00 min
 Lab File: VU026966.D
 Acq: 21 Sep 2018 14:05

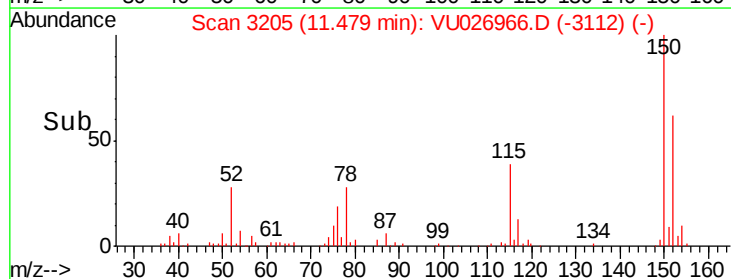
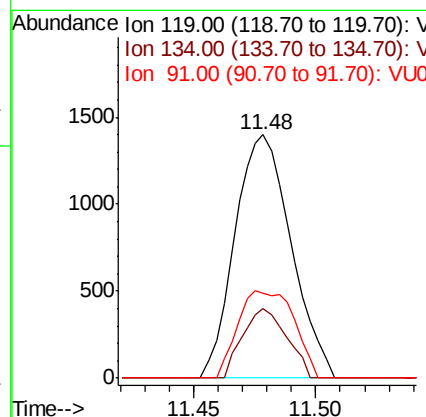
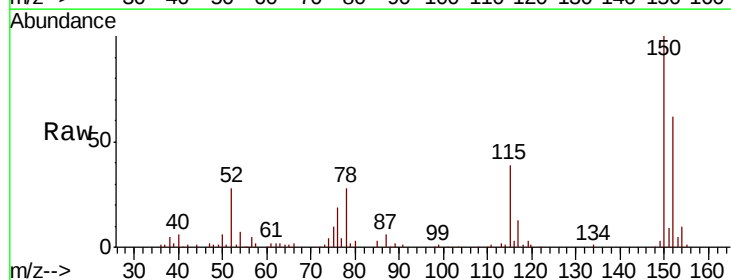
Instrument :
 MSVOA_U
 ClientSampled :
 BFB

Tgt Ion:105 Resp: 2782
 Ion Ratio Lower Upper
 105 100
 134 18.6 9.4 28.2



#86
 p-Isopropyltoluene
 Concen: 0.730 ug/l
 RT: 11.48 min Scan# 3205
 Delta R.T. 0.00 min
 Lab File: VU026966.D
 Acq: 21 Sep 2018 14:05

Tgt Ion:119 Resp: 2231
 Ion Ratio Lower Upper
 119 100
 134 22.4 12.8 38.3
 91 35.9 12.3 36.8

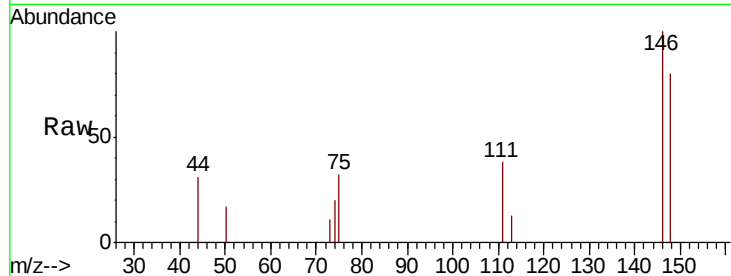




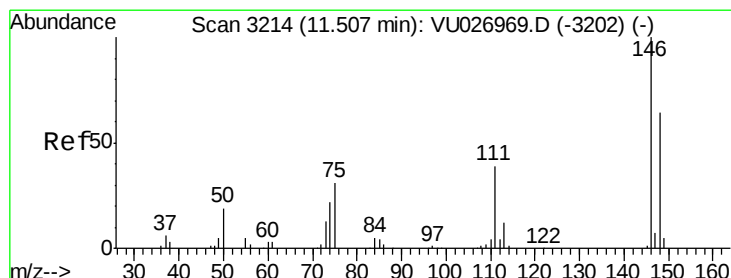
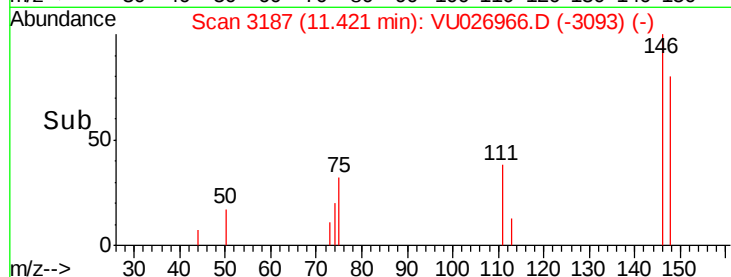
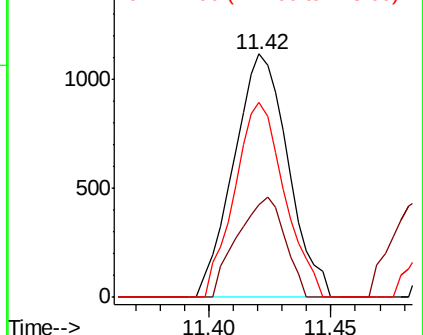
#87
 1,3-Dichlorobenzene
 Concen: 0.994 ug/l
 RT: 11.42 min Scan# 3187
 Delta R.T. 0.00 min
 Lab File: VU026966.D
 Acq: 21 Sep 2018 14:05

Instrument :
 MSVOA_U
 ClientSampled :
 BFB

Tgt Ion:146 Resp: 1724
 Ion Ratio Lower Upper
 146 100
 111 35.9 20.8 62.2
 148 73.5 32.0 96.2

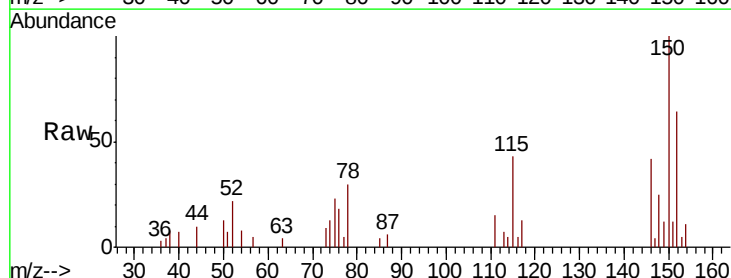


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

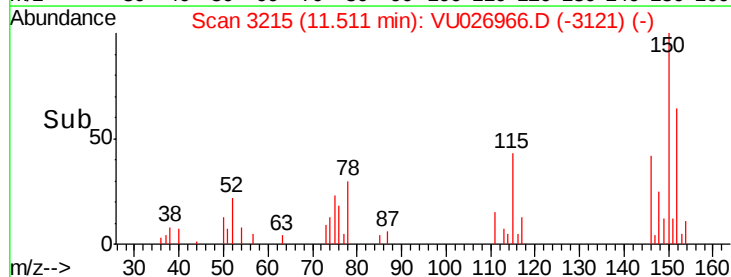
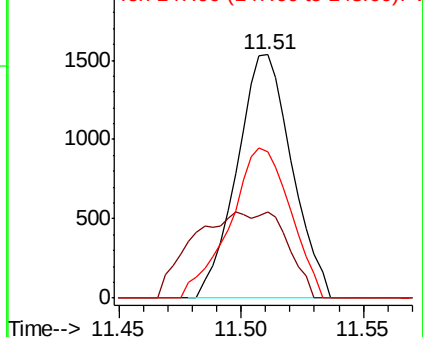


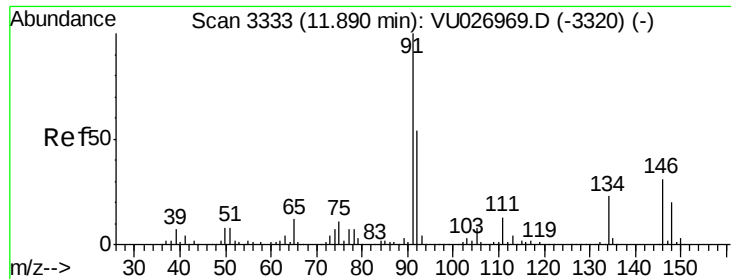
#88
 1,4-Dichlorobenzene
 Concen: 1.324 ug/l
 RT: 11.51 min Scan# 3215
 Delta R.T. 0.00 min
 Lab File: VU026966.D
 Acq: 21 Sep 2018 14:05

Tgt Ion:146 Resp: 2390
 Ion Ratio Lower Upper
 146 100
 111 38.9 20.3 60.9
 148 67.8 31.9 95.9



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

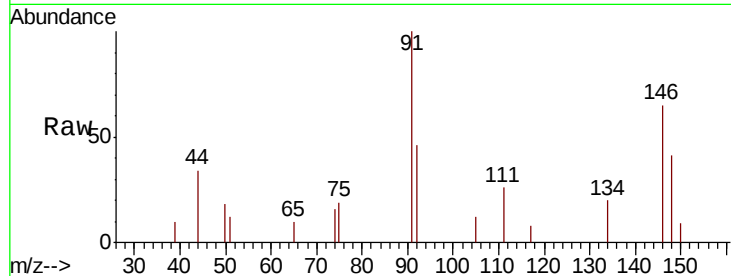




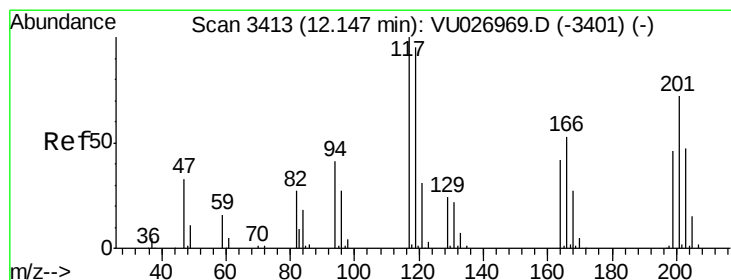
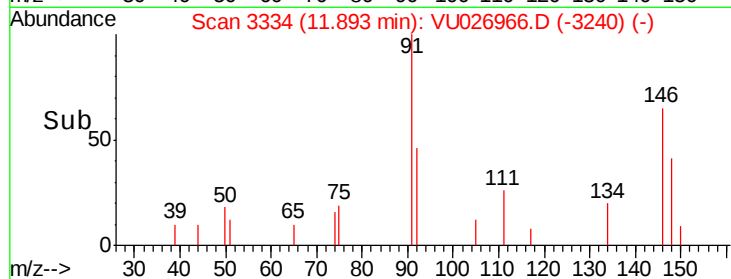
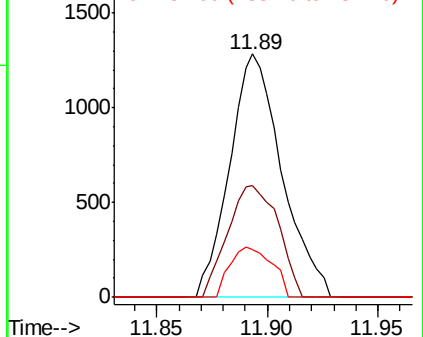
#89
n-Butylbenzene
Concen: 0.782 ug/l
RT: 11.89 min Scan# 3334
Delta R.T. 0.00 min
Lab File: VU026966.D
Acq: 21 Sep 2018 14:05

Instrument :
MSVOA_U
ClientSampleId :
BFB

Tgt Ion: 91 Resp: 2112
Ion Ratio Lower Upper
91 100
92 44.2 27.1 81.2
134 16.5 11.7 35.0

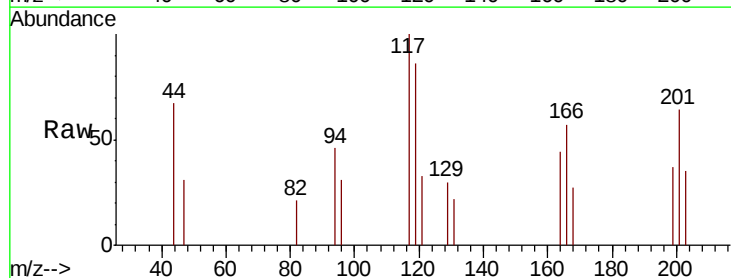


Abundance Ion 91.00 (90.70 to 91.70): VU026969.D (-3320) (-)
Ion 92.00 (91.70 to 92.70): VU026969.D (-3320) (-)
Ion 134.00 (133.70 to 134.70): VU026969.D (-3320) (-)

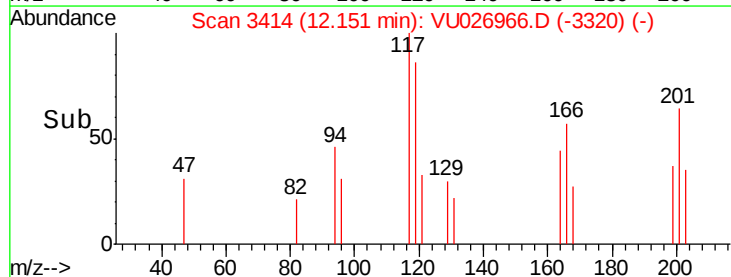
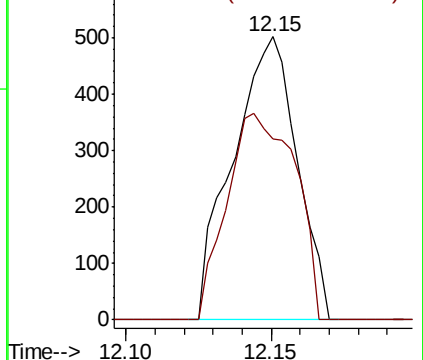


#90
Hexachloroethane
Concen: 1.255 ug/l
RT: 12.15 min Scan# 3414
Delta R.T. 0.00 min
Lab File: VU026966.D
Acq: 21 Sep 2018 14:05

Tgt Ion: 117 Resp: 774
Ion Ratio Lower Upper
117 100
201 77.9 36.8 110.3



Abundance Ion 116.80 (116.50 to 117.50): VU026969.D (-3401) (-)
Ion 200.70 (200.40 to 201.40): VU026969.D (-3401) (-)

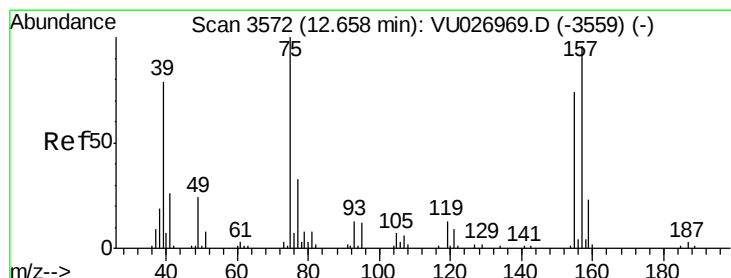
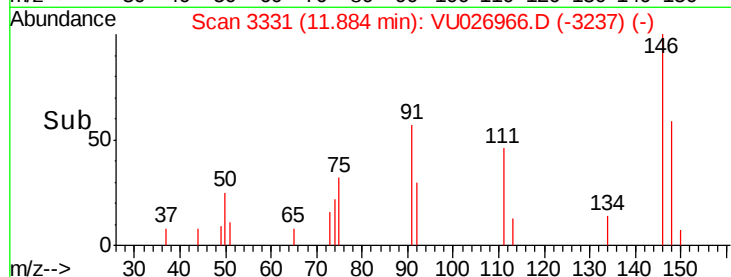
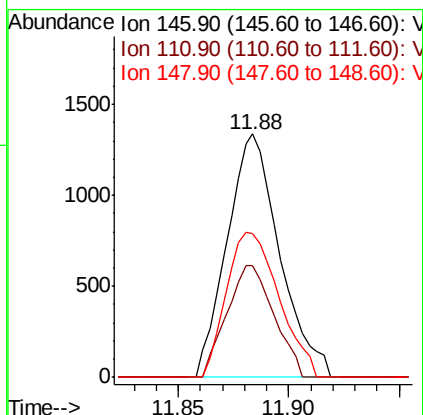
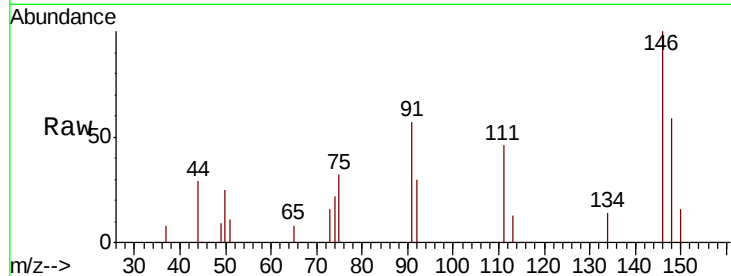




#91
 1,2-Dichlorobenzene
 Concen: 1.264 ug/l
 RT: 11.88 min Scan# 3331
 Delta R.T. 0.00 min
 Lab File: VU026966.D
 Acq: 21 Sep 2018 14:05

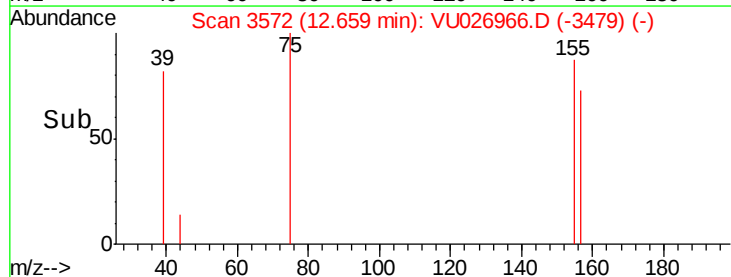
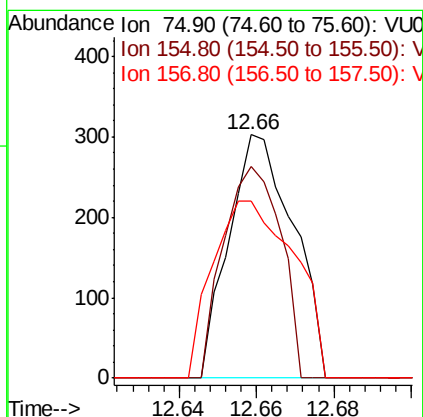
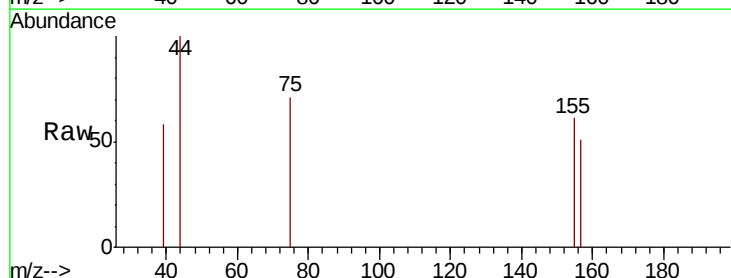
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB

Tgt Ion: 146 Resp: 2203
 Ion Ratio Lower Upper
 146 100
 111 41.1 21.8 65.3
 148 59.7 31.9 95.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.217 ug/l
 RT: 12.66 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VU026966.D
 Acq: 21 Sep 2018 14:05

Tgt Ion: 75 Resp: 351
 Ion Ratio Lower Upper
 75 100
 155 76.9 36.6 109.8
 157 91.7 47.4 142.2

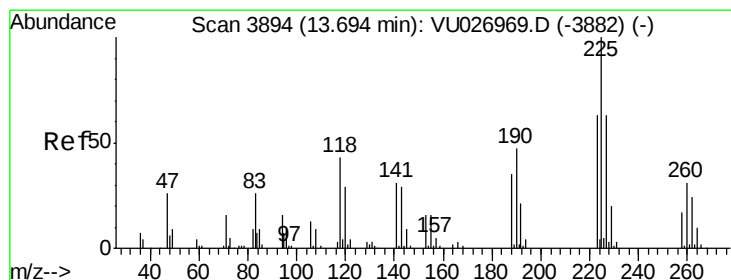
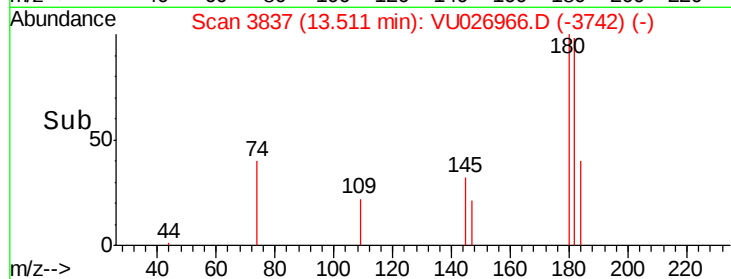
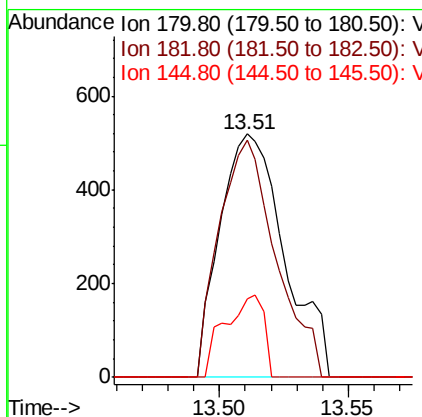
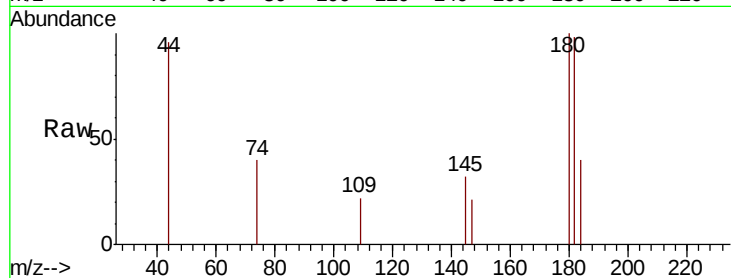




#93
 1,2,4-Trichlorobenzene
 Concen: 0.794 ug/l
 RT: 13.51 min Scan# 3837
 Delta R.T. 0.01 min
 Lab File: VU026966.D
 Acq: 21 Sep 2018 14:05

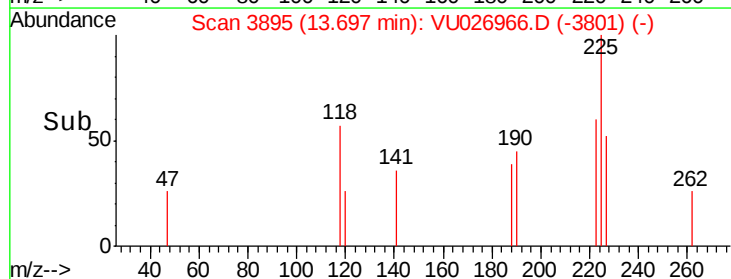
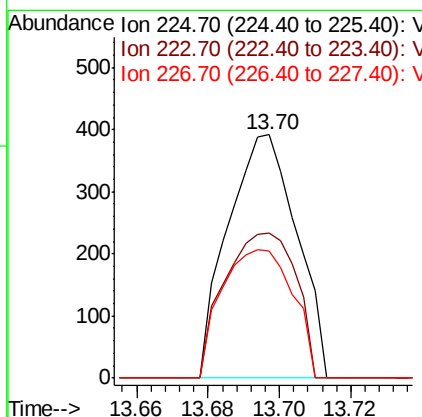
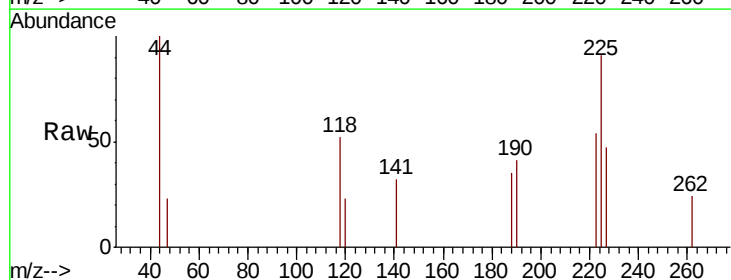
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB

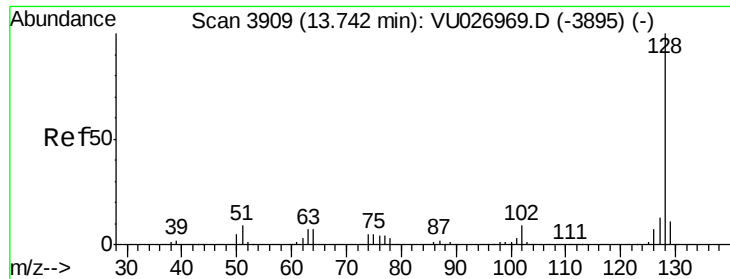
Tgt Ion:180 Resp: 905
 Ion Ratio Lower Upper
 180 100
 182 85.9 47.4 142.2
 145 20.2 14.9 44.5



#94
 Hexachlorobutadiene
 Concen: 0.889 ug/l
 RT: 13.70 min Scan# 3895
 Delta R.T. 0.00 min
 Lab File: VU026966.D
 Acq: 21 Sep 2018 14:05

Tgt Ion:225 Resp: 521
 Ion Ratio Lower Upper
 225 100
 223 61.8 31.9 95.7
 227 54.5 32.1 96.5

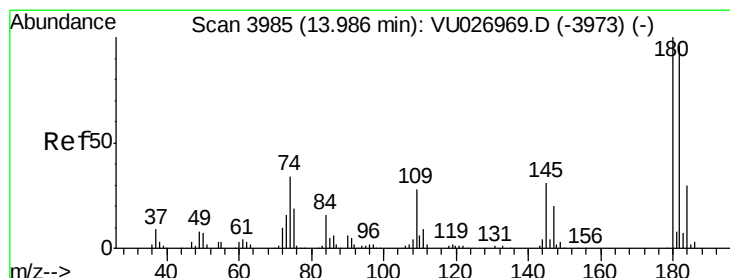
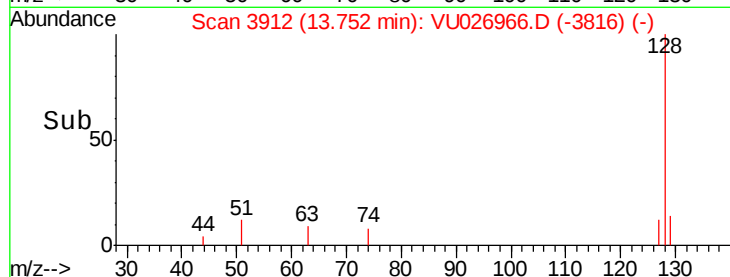
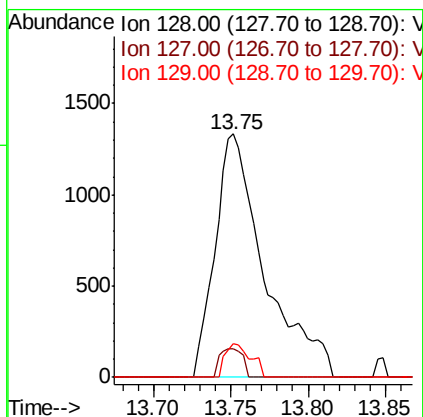
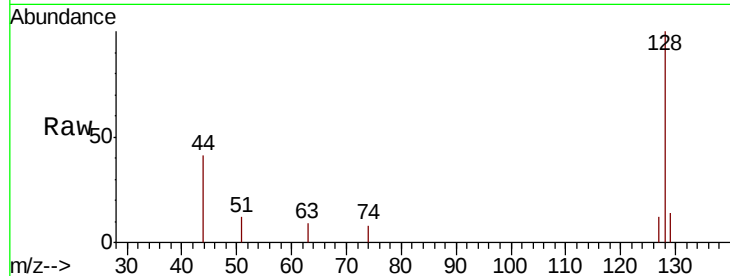




#95
Naphthalene
Concen: 0.839 ug/l
RT: 13.75 min Scan# 3912
Delta R.T. 0.01 min
Lab File: VU026966.D
Acq: 21 Sep 2018 14:05

Instrument :
MSVOA_U
ClientSampleId :
BFB

Tgt Ion:128 Resp: 2958
Ion Ratio Lower Upper
128 100
127 5.5 10.6 15.8#
129 7.0 8.6 12.8#



#96
1,2,3-Trichlorobenzene
Concen: 0.855 ug/l
RT: 13.99 min Scan# 3986
Delta R.T. 0.00 min
Lab File: VU026966.D
Acq: 21 Sep 2018 14:05

Tgt Ion:180 Resp: 1023
Ion Ratio Lower Upper
180 100
182 98.5 47.5 142.5
145 23.0 15.4 46.4

