

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091418\
 Data File : VU026721.D
 Acq On : 13 Sep 2018 08:41
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB

Quant Time: Sep 14 00:57:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U091218W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 05:32:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	114029	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	169721	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	163128	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	98849	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	79540	45.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.96%	
35) Dibromofluoromethane	4.88	113	66768	48.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.46%	
50) Toluene-d8	7.57	98	244999	47.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.70%	
62) 4-Bromofluorobenzene	10.31	95	90762	48.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.82%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.21	85	56511	45.870	ug/l	98
3) Chloromethane	1.33	50	75019	43.585	ug/l	100
4) Vinyl Chloride	1.40	62	80511	45.137	ug/l	99
5) Bromomethane	1.61	94	46247	41.396	ug/l	97
6) Chloroethane	1.69	64	51116	45.029	ug/l	99
7) Trichlorofluoromethane	1.88	101	108070	46.347	ug/l	99
8) Diethyl Ether	2.10	74	46497	45.505	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.28	101	65857	47.558	ug/l	99
10) Methyl Iodide	2.41	142	36854	32.988	ug/l	100
11) Tert butyl alcohol	2.83	59	90908	215.613	ug/l	100
12) 1,1-Dichloroethene	2.28	96	61012	46.605	ug/l	97
13) Acrolein	2.19	56	48602	171.054	ug/l	100
14) Allyl chloride	2.59	41	106826	45.307	ug/l	99
15) Acrylonitrile	2.94	53	217408	240.441	ug/l	99
16) Acetone	2.32	43	235114	240.075	ug/l	99
17) Carbon Disulfide	2.48	76	179312	43.049	ug/l	98
18) Methyl Acetate	2.62	43	104906	49.646	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	215442	47.797	ug/l	100
20) Methylene Chloride	2.70	84	73442	46.233	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	64955	47.099	ug/l	96
22) Diisopropyl ether	3.57	45	239369	48.643	ug/l	98
23) Vinyl Acetate	3.52	43	1026307	245.523	ug/l	100
24) 1,1-Dichloroethane	3.44	63	130783	47.114	ug/l	99
25) 2-Butanone	4.26	43	322954	244.811	ug/l	99
26) 2,2-Dichloropropane	4.23	77	111645	48.930	ug/l	100
27) cis-1,2-Dichloroethene	4.22	96	75574	47.547	ug/l	99
28) Bromochloromethane	4.55	49	60928	45.900	ug/l	98
29) Tetrahydrofuran	4.64	42	191183	240.378	ug/l	99
30) Chloroform	4.67	83	129309	47.371	ug/l	98
31) Cyclohexane	5.00	56	116305	45.859	ug/l	99
32) 1,1,1-Trichloroethane	4.92	97	110090	48.710	ug/l	98
36) 1,1-Dichloropropene	5.14	75	95842	50.297	ug/l	100
37) Ethyl Acetate	4.38	43	108693	47.434	ug/l	100
38) Carbon Tetrachloride	5.13	117	97522	48.440	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	114289	50.515	ug/l	99
40) Benzene	5.39	78	289242	48.877	ug/l	99
41) Methacrylonitrile	4.54	41	61821	47.907	ug/l	99
42) 1,2-Dichloroethane	5.40	62	102567	48.606	ug/l	100
43) Isopropyl Acetate	5.55	43	176433	50.567	ug/l	100
44) Trichloroethene	6.19	130	73124	49.927	ug/l	97
45) 1,2-Dichloropropane	6.43	63	80008	49.734	ug/l	97
46) Dibromomethane	6.56	93	52056	50.144	ug/l	98
47) Bromodichloromethane	6.76	83	102931	50.353	ug/l	99
48) Methyl methacrylate	6.62	41	89328	46.907	ug/l	99
49) 1,4-Dioxane	6.61	88	41839	958.308	ug/l	99
51) 4-Methyl-2-Pentanone	7.46	43	581141	249.008	ug/l	100
52) Toluene	7.64	92	177700	50.411	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	114691	50.581	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	123886	50.882	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	75296	49.855	ug/l	99
56) Ethyl methacrylate	8.02	69	115921	45.815	ug/l	100
57) 1,3-Dichloropropane	8.24	76	129032	50.125	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.13	63	302829	249.955	ug/l	99
59) 2-Hexanone	8.36	43	464426	252.856	ug/l	100
60) Dibromochloromethane	8.48	129	82341	50.340	ug/l	99
61) 1,2-Dibromoethane	8.59	107	80363	49.040	ug/l	100
64) Tetrachloroethene	8.23	164	64059	49.338	ug/l	99
65) Chlorobenzene	9.12	112	201587	49.740	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	73833	49.513	ug/l	98
67) Ethyl Benzene	9.25	91	345508	51.752	ug/l	99
68) m/p-Xylenes	9.38	106	269120	105.967	ug/l	99
69) o-Xylene	9.78	106	128550	47.441	ug/l	99
70) Styrene	9.79	104	216475	47.457	ug/l	100
71) Bromoform	9.96	173	67455	52.012	ug/l #	99
73) Isopropylbenzene	10.17	105	347453	51.582	ug/l	99
74) N-amyl acetate	10.02	43	164308	51.667	ug/l	100
75) 1,1,2,2-Tetrachloroethane	10.46	83	128231	46.711	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	146055	65.961	ug/l	82
77) Bromobenzene	10.45	156	90928	49.668	ug/l	98
78) n-propylbenzene	10.59	91	422488	53.927	ug/l	100
79) 2-Chlorotoluene	10.66	91	243960	50.233	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	297485	52.541	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.49	75	146055	143.885	ug/l #	100
82) 4-Chlorotoluene	10.77	91	282991	51.863	ug/l	99
83) tert-Butylbenzene	11.10	119	296694	51.635	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	303764	53.192	ug/l	99
85) sec-Butylbenzene	11.33	105	365627	53.583	ug/l	100
86) p-Isopropyltoluene	11.48	119	326305	49.748	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	167201	48.956	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	169239	47.714	ug/l	99
89) n-Butylbenzene	11.89	91	300633	49.953	ug/l	99
90) Hexachloroethane	12.15	117	59759	49.630	ug/l	97
91) 1,2-Dichlorobenzene	11.88	146	168097	48.928	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	28580	51.927	ug/l	99

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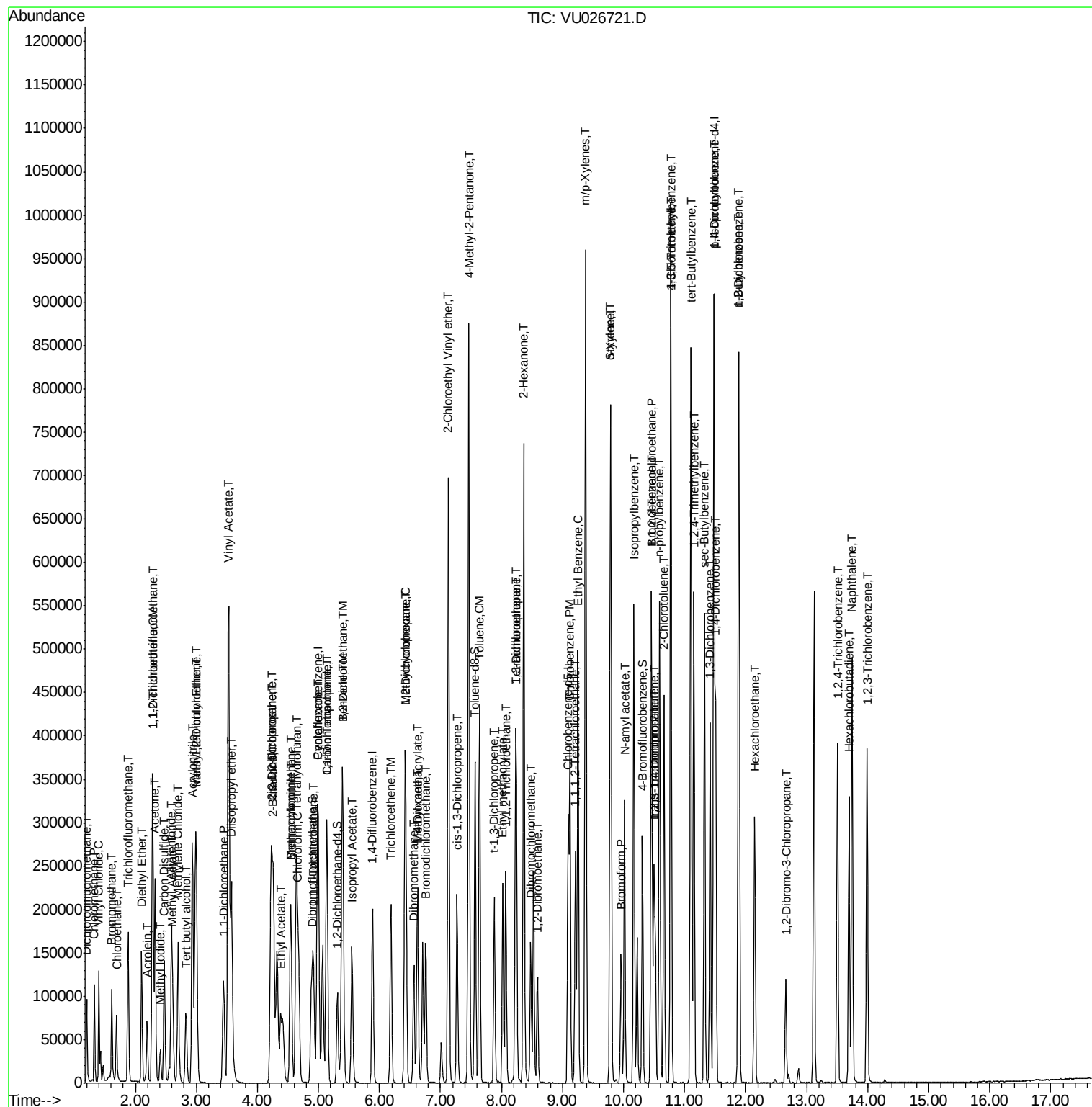
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	123928	54.318	ug/l	99
94) Hexachlorobutadiene	13.69	225	62765	53.476	ug/l	98
95) Naphthalene	13.74	128	380307	49.560	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	125812	52.801	ug/l	99

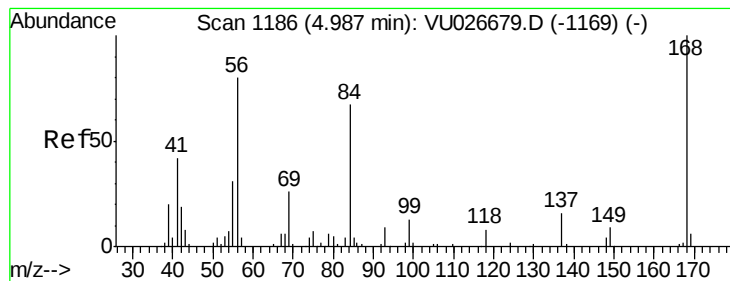
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU026721.D

Acq: 13 Sep 2018 08:41

Instrument :

MSVOA_U

ClientSampleId :

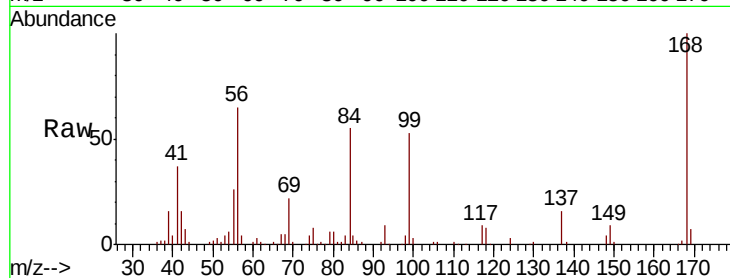
BFB

Tgt Ion:168 Resp: 114029

Ion Ratio Lower Upper

168 100

99 52.8 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): VU026679.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU026679.D (-1169) (-)

4.98

60000

50000

40000

30000

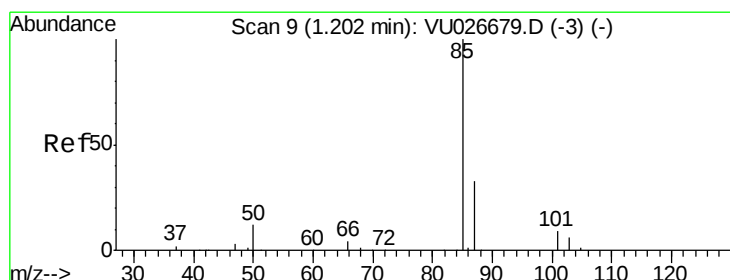
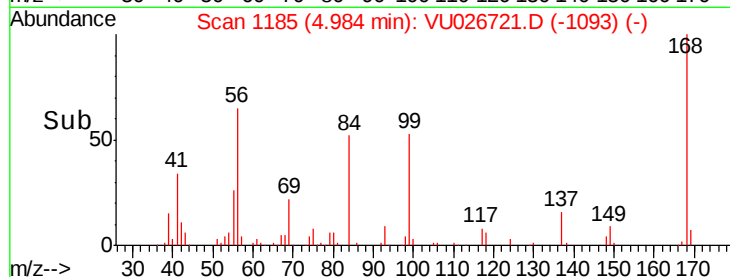
20000

10000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 45.870 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU026721.D

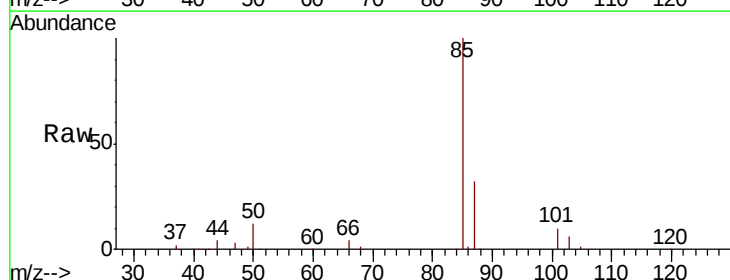
Acq: 13 Sep 2018 08:41

Tgt Ion: 85 Resp: 56511

Ion Ratio Lower Upper

85 100

87 32.2 16.6 49.7



Abundance Ion 84.90 (84.60 to 85.60): VU026679.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU026679.D (-3) (-)

1.21

60000

50000

40000

30000

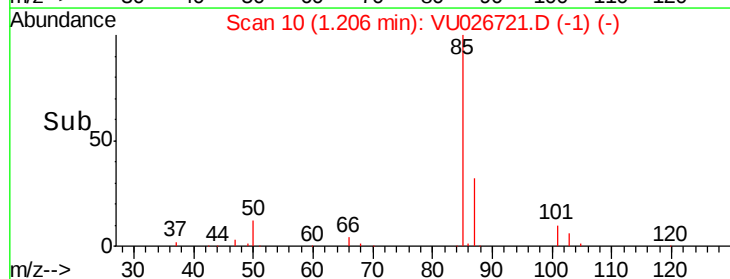
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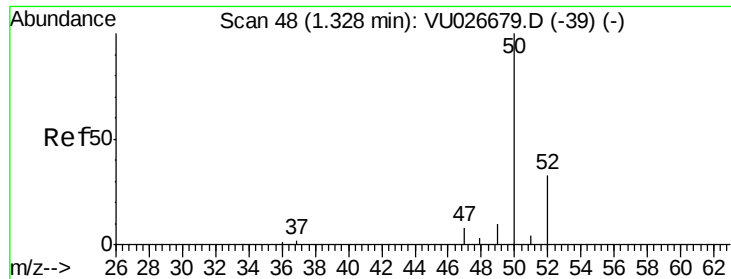
10000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 43.585 ug/l

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU026721.D

Acq: 13 Sep 2018 08:41

Instrument :

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ClientSampleId :

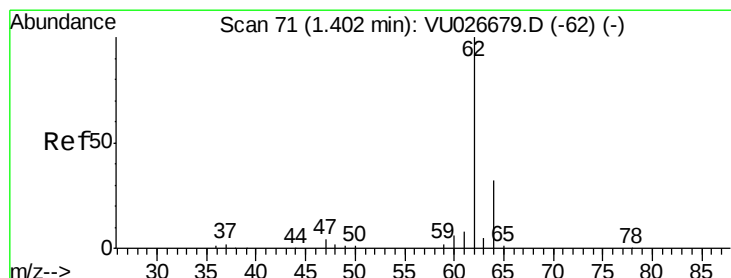
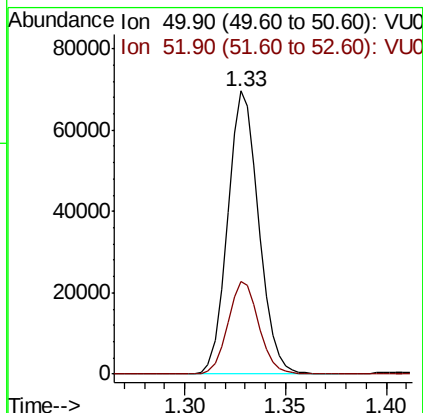
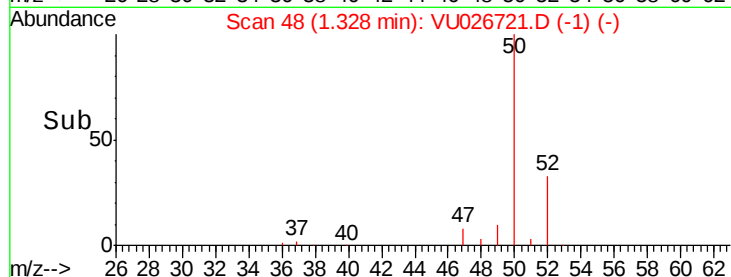
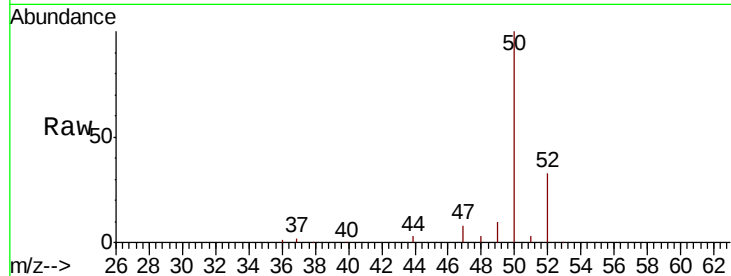
BFB

Tgt Ion: 50 Resp: 75019

Ion Ratio Lower Upper

50 100

52 32.8 26.3 39.5



#4

Vinyl Chloride

Concen: 45.137 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU026721.D

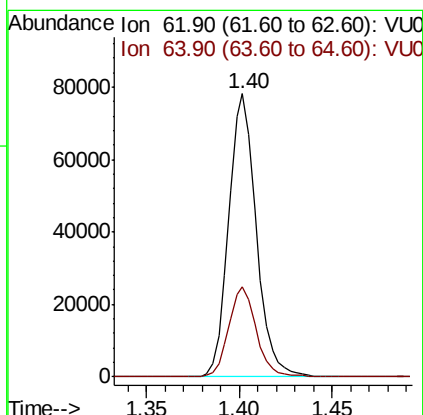
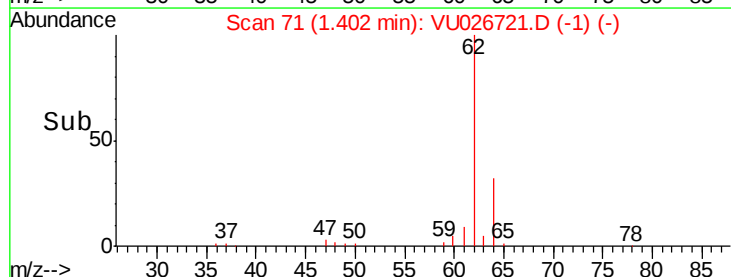
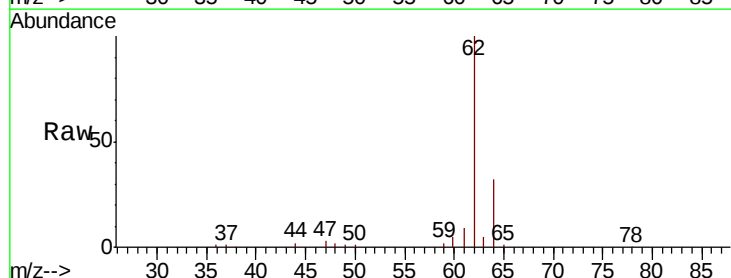
Acq: 13 Sep 2018 08:41

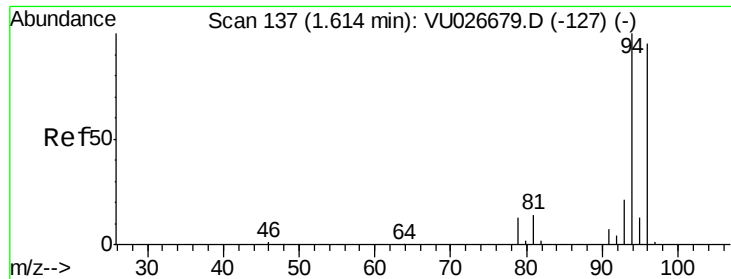
Tgt Ion: 62 Resp: 80511

Ion Ratio Lower Upper

62 100

64 31.7 25.6 38.4

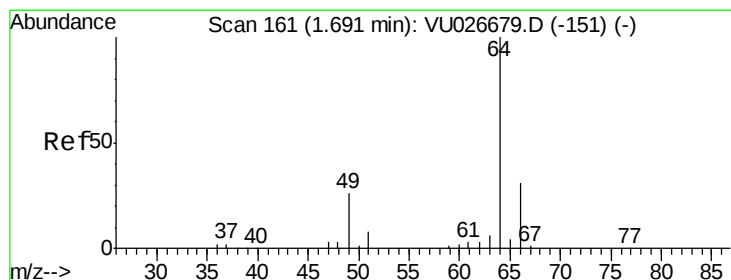
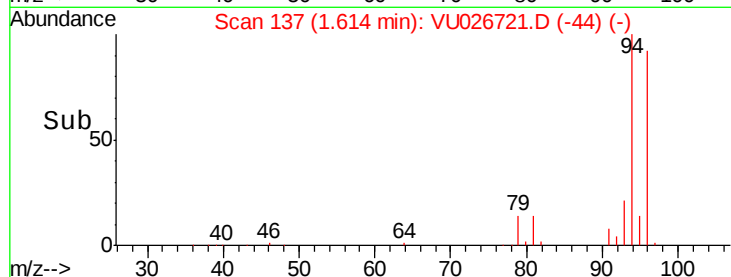
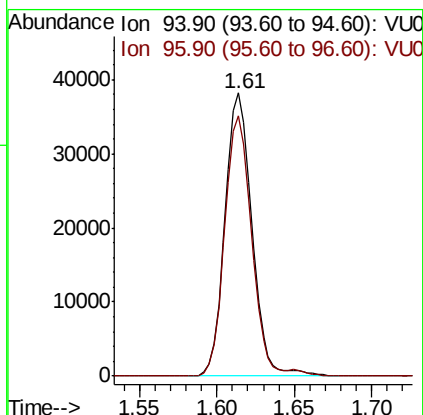
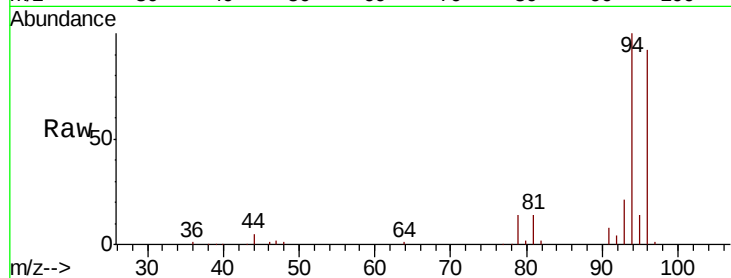




#5
Bromomethane
Concen: 41.396 ug/l
RT: 1.61 min Scan# 137
Delta R.T. 0.00 min
Lab File: VU026721.D
Acq: 13 Sep 2018 08:41

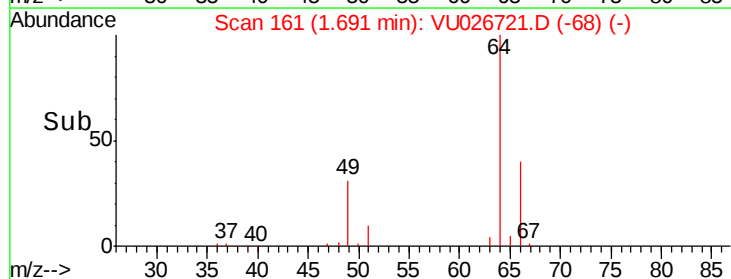
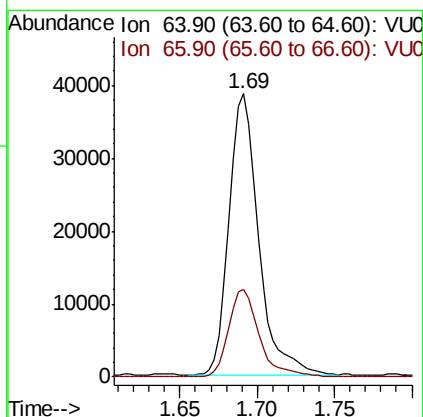
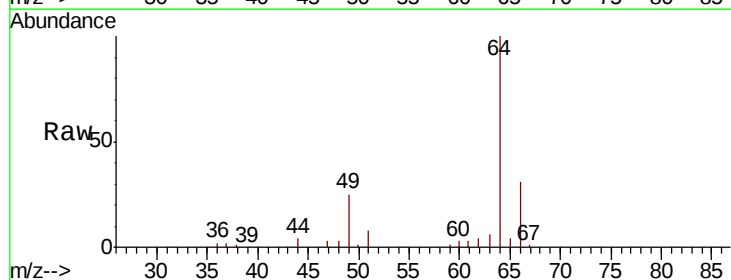
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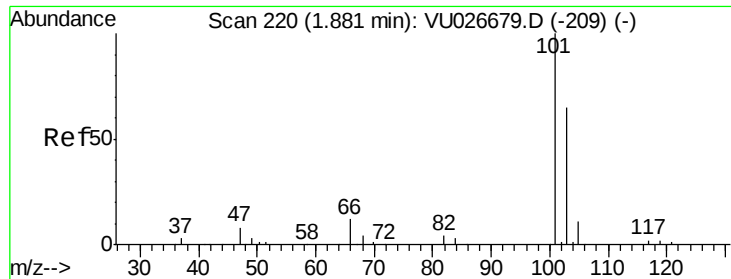
Tgt Ion: 94 Resp: 46247
Ion Ratio Lower Upper
94 100
96 91.9 75.8 113.6



#6
Chloroethane
Concen: 45.029 ug/l
RT: 1.69 min Scan# 161
Delta R.T. 0.00 min
Lab File: VU026721.D
Acq: 13 Sep 2018 08:41

Tgt Ion: 64 Resp: 51116
Ion Ratio Lower Upper
64 100
66 31.2 24.7 37.1



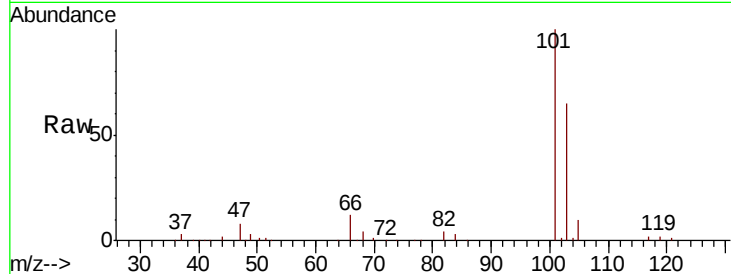


#7

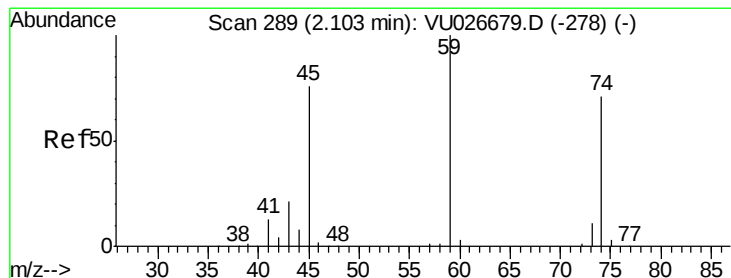
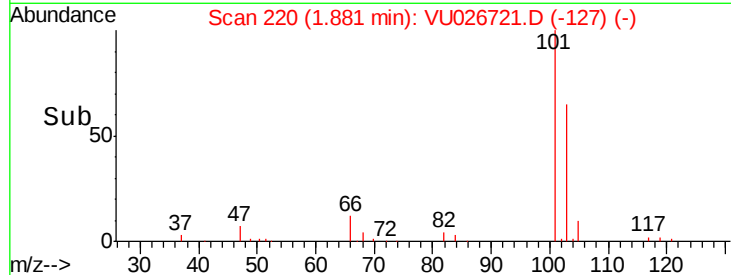
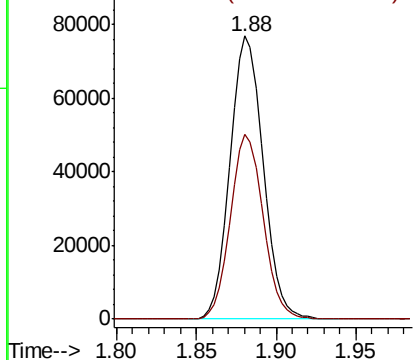
Trichlorofluoromethane
Concen: 46.347 ug/l
RT: 1.88 min Scan# 220
Delta R.T. 0.00 min
Lab File: VU026721.D
Acq: 13 Sep 2018 08:41

Instrument :
MSVOA_U
ClientSampled :
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Tgt Ion: 101 Resp: 108070
Ion Ratio Lower Upper
101 100
103 65.5 51.7 77.5



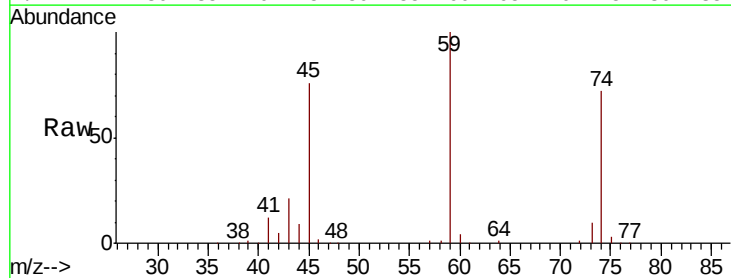
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



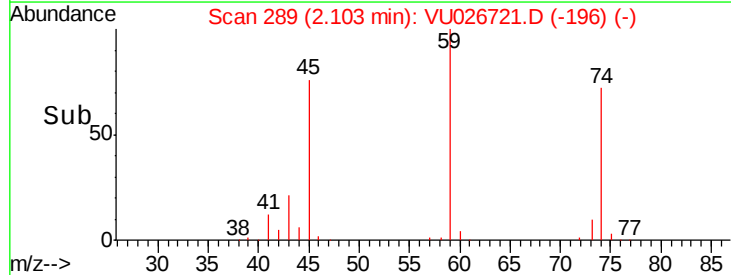
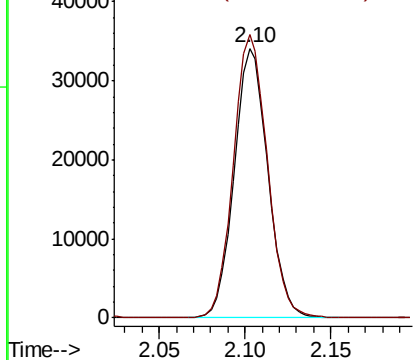
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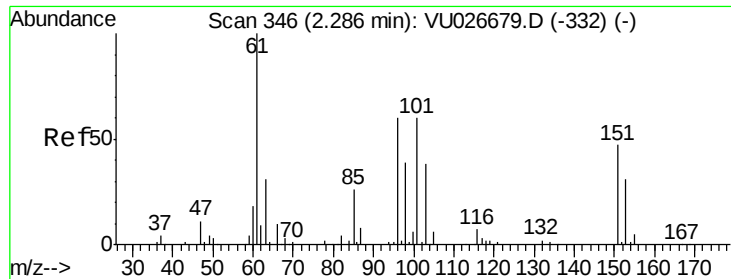
Diethyl Ether
Concen: 45.505 ug/l
RT: 2.10 min Scan# 289
Delta R.T. 0.00 min
Lab File: VU026721.D
Acq: 13 Sep 2018 08:41

Tgt Ion: 74 Resp: 46497
Ion Ratio Lower Upper
74 100
45 106.3 53.6 160.8



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: 47.558 ug/l

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

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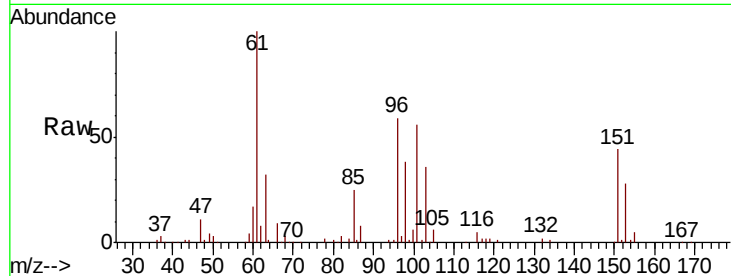
Tgt Ion:101 Resp: 65857

Ion Ratio Lower Upper

101 100

85 43.6 34.6 52.0

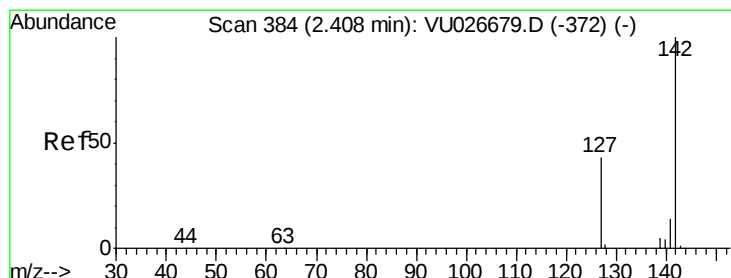
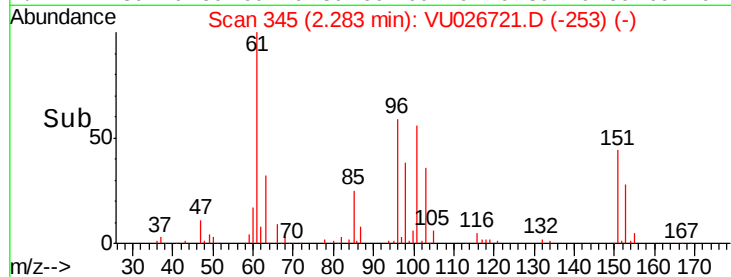
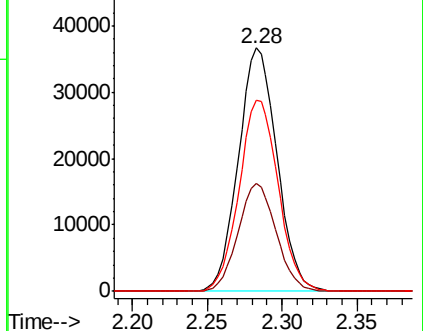
151 79.6 62.7 94.1



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 32.988 ug/l

RT: 2.41 min Scan# 384

Delta R.T. 0.00 min

Lab File: VU026721.D

Acq: 13 Sep 2018 08:41

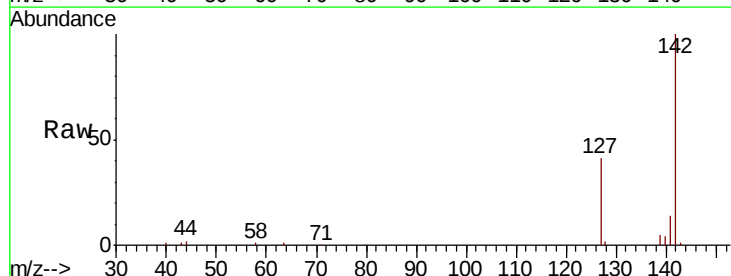
Tgt Ion:142 Resp: 36854

Ion Ratio Lower Upper

142 100

127 42.8 34.1 51.1

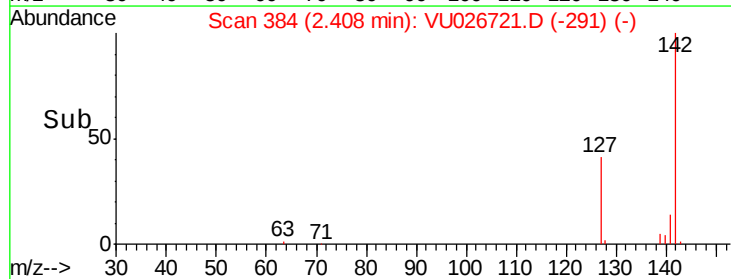
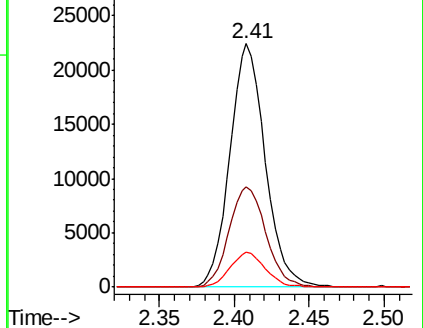
141 14.0 11.2 16.8

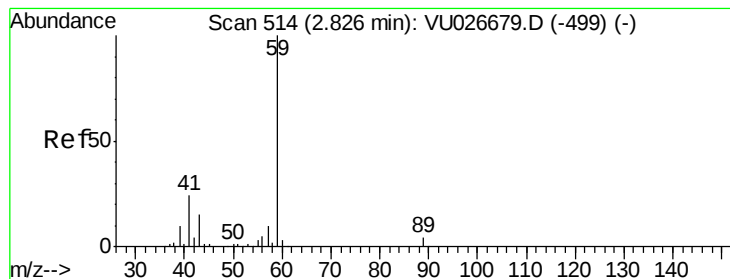


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



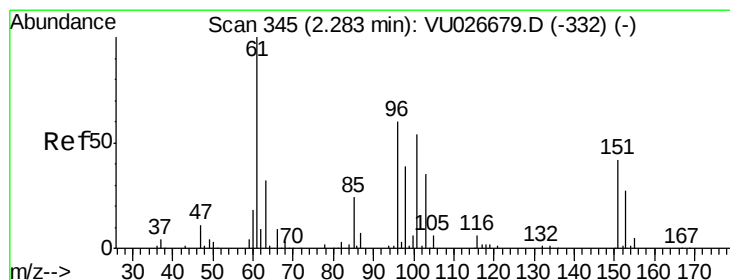
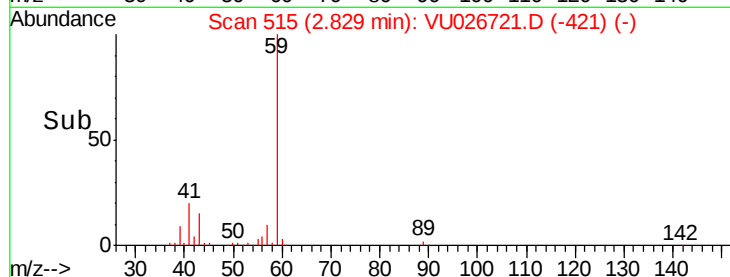
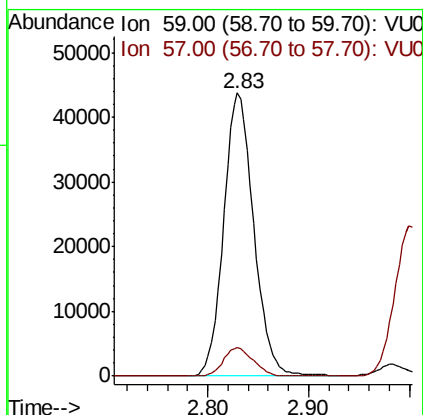
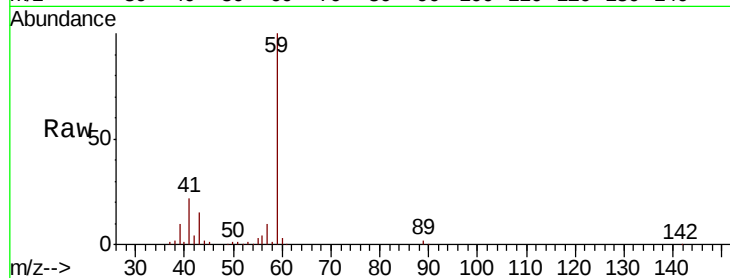


#11

Tert butyl alcohol
 Concen: 215.613 ug/l
 RT: 2.83 min Scan# 515
 Delta R.T. 0.00 min
 Lab File: VU026721.D
 Acq: 13 Sep 2018 08:41

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB

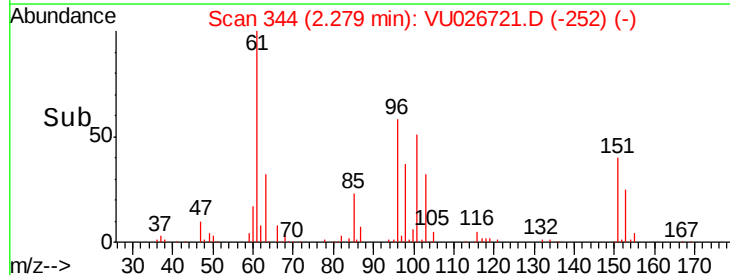
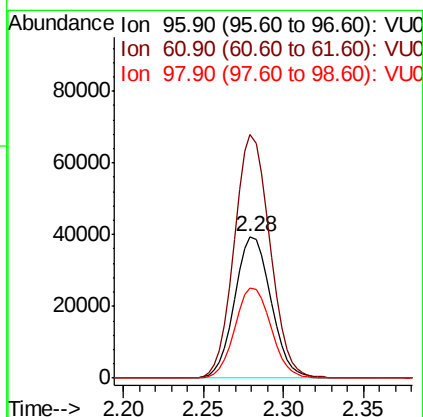
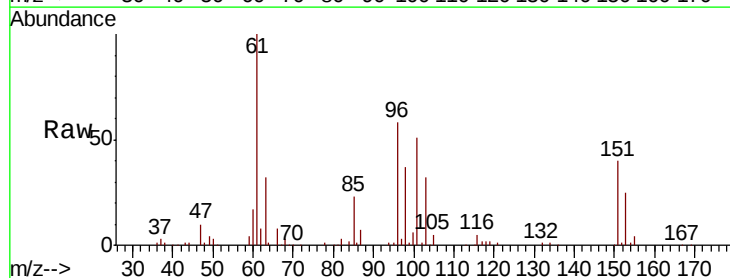
Tgt Ion: 59 Resp: 90908
 Ion Ratio Lower Upper
 59 100
 57 10.0 8.0 12.0

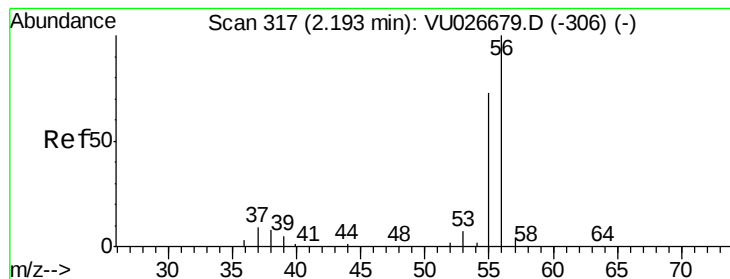


#12

1,1-Dichloroethene
 Concen: 46.605 ug/l
 RT: 2.28 min Scan# 344
 Delta R.T. -0.00 min
 Lab File: VU026721.D
 Acq: 13 Sep 2018 08:41

Tgt Ion: 96 Resp: 61012
 Ion Ratio Lower Upper
 96 100
 61 172.1 133.0 199.6
 98 64.1 51.3 76.9





#13

Acrolein

Concen: 171.054 ug/l

RT: 2.19 min Scan# 317

Delta R.T. 0.00 min

Lab File: VU026721.D

Acq: 13 Sep 2018 08:41

Instrument :

MSVOA_U

ClientSampled :

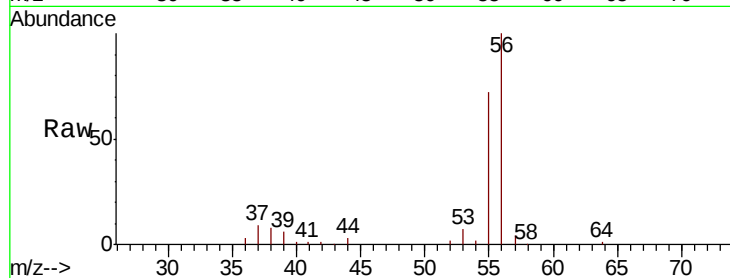
BFB

Tgt Ion: 56 Resp: 48602

Ion Ratio Lower Upper

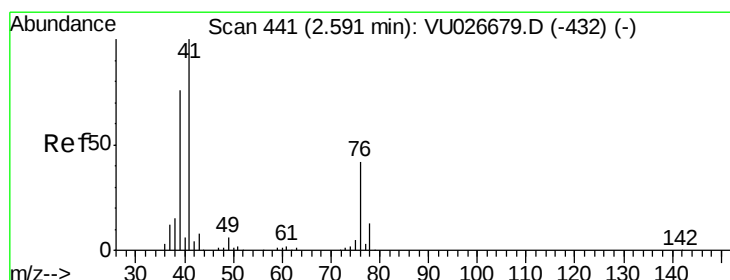
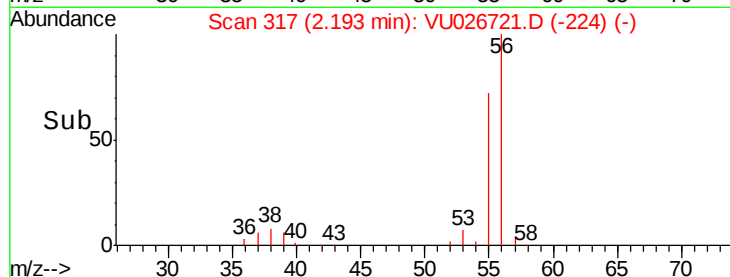
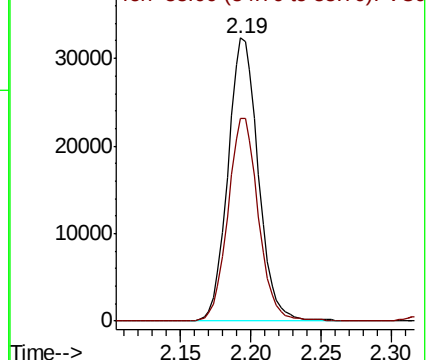
56 100

55 71.8 57.4 86.2



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#14

Allyl chloride

Concen: 45.307 ug/l

RT: 2.59 min Scan# 441

Delta R.T. 0.00 min

Lab File: VU026721.D

Acq: 13 Sep 2018 08:41

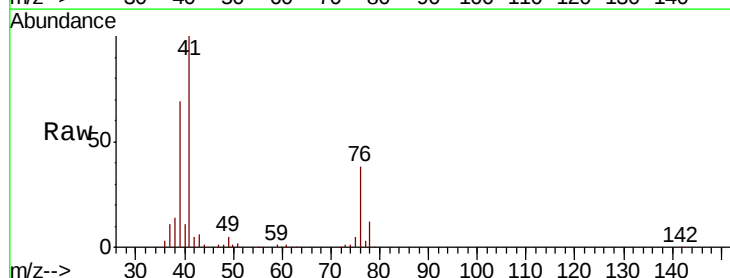
Tgt Ion: 41 Resp: 106826

Ion Ratio Lower Upper

41 100

39 70.1 56.9 85.3

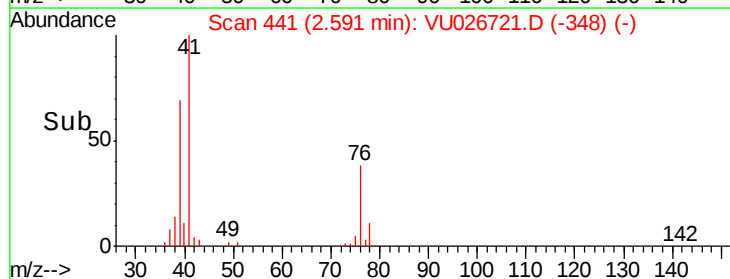
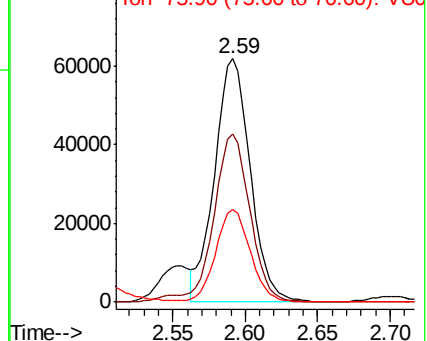
76 36.8 29.7 44.5

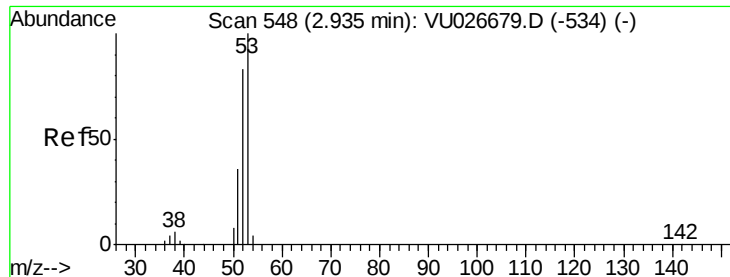


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0





#15

Acrylonitrile

Concen: 240.441 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU026721.D

Acq: 13 Sep 2018 08:41

Instrument :

MSVOA_U

ClientSampleId :

BFB

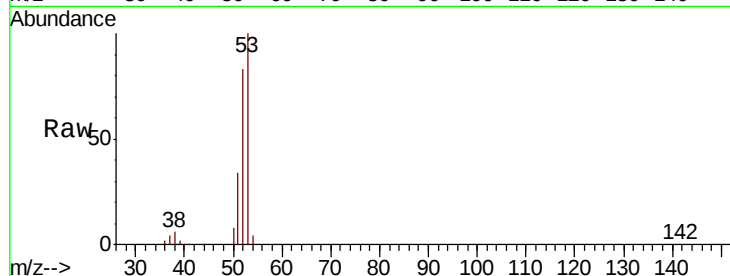
Tgt Ion: 53 Resp: 217408

Ion Ratio Lower Upper

53 100

52 81.9 65.8 98.8

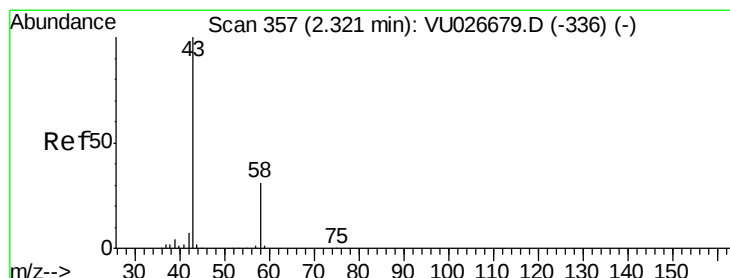
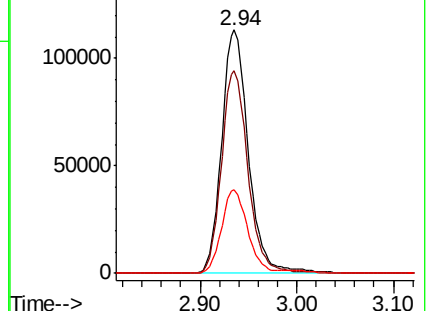
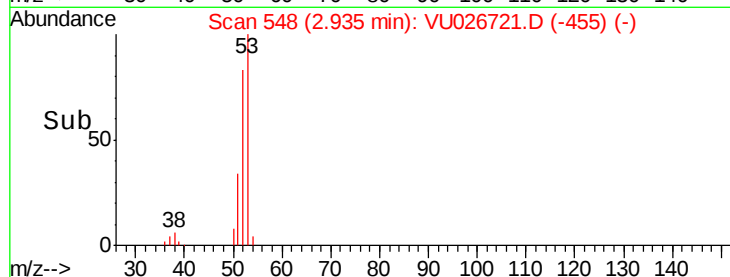
51 33.8 27.7 41.5



Abundance Ion 53.00 (52.70 to 53.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

Ion 51.00 (50.70 to 51.70): VU0



#16

Acetone

Concen: 240.075 ug/l

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU026721.D

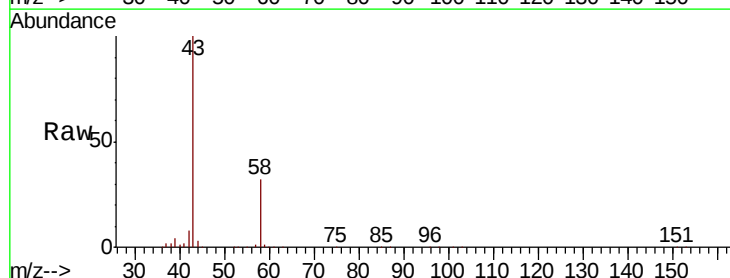
Acq: 13 Sep 2018 08:41

Tgt Ion: 43 Resp: 235114

Ion Ratio Lower Upper

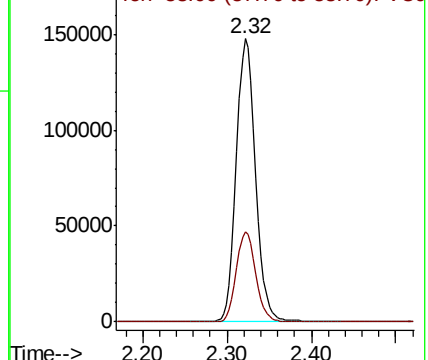
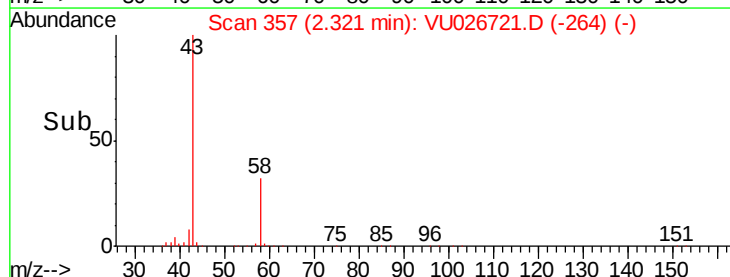
43 100

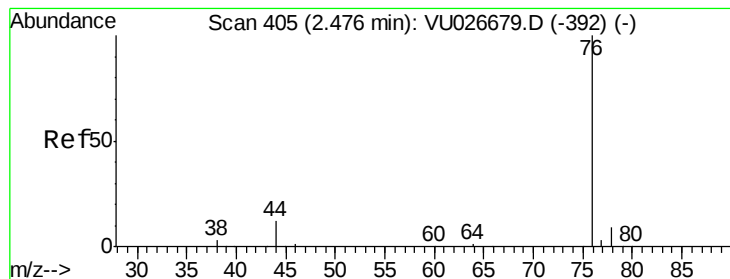
58 32.0 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#17

Carbon Disulfide

Concen: 43.049 ug/l

RT: 2.48 min Scan# 405

Delta R.T. 0.00 min

Lab File: VU026721.D

Acq: 13 Sep 2018 08:41

Instrument :

MSVOA_U

ClientSampleId :

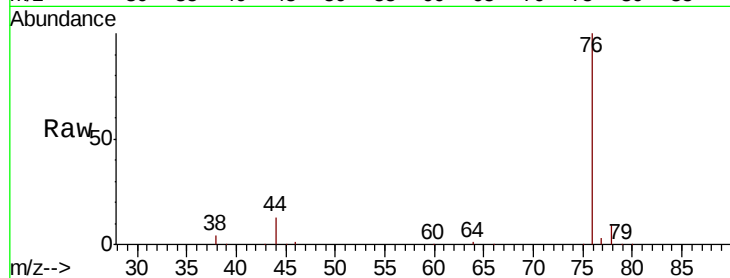
BFB

Tgt Ion: 76 Resp: 179312

Ion Ratio Lower Upper

76 100

78 9.4 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VU026679.D (-392) (-)

Ion 77.90 (77.60 to 78.60): VU026679.D (-392) (-)

2.48

120000

100000

80000

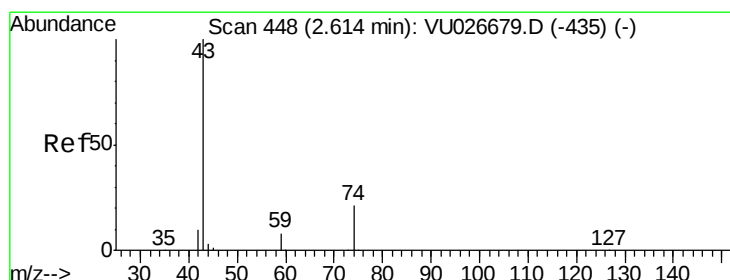
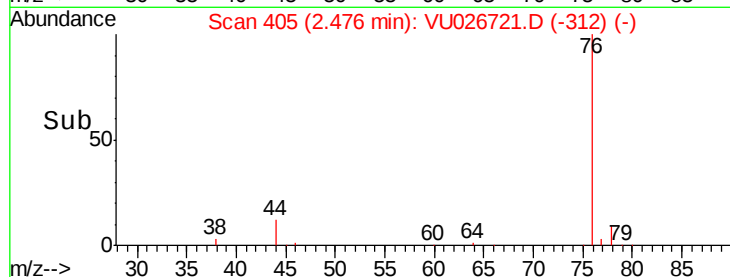
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 49.646 ug/l

RT: 2.62 min Scan# 449

Delta R.T. 0.00 min

Lab File: VU026721.D

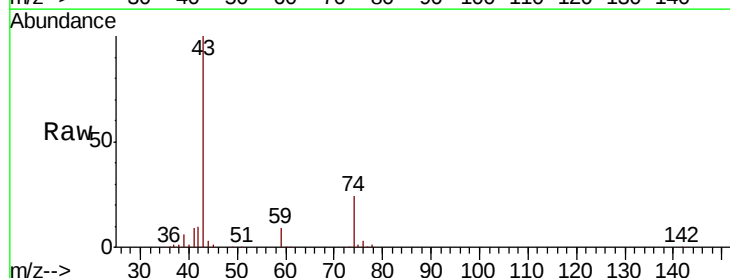
Acq: 13 Sep 2018 08:41

Tgt Ion: 43 Resp: 104906

Ion Ratio Lower Upper

43 100

74 23.1 17.7 26.5



Abundance Ion 43.00 (42.70 to 43.70): VU026679.D (-435) (-)

Ion 74.00 (73.70 to 74.70): VU026679.D (-435) (-)

2.62

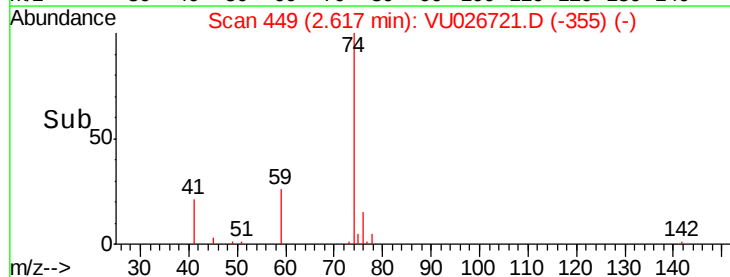
60000

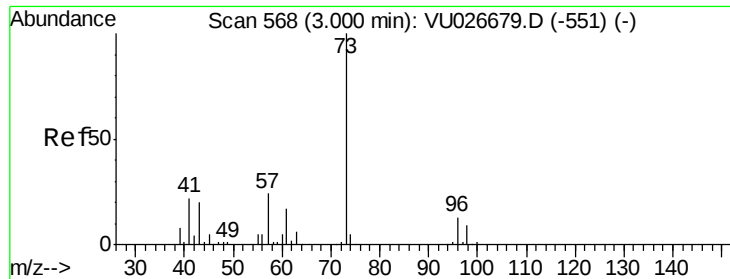
40000

20000

0

Time-->



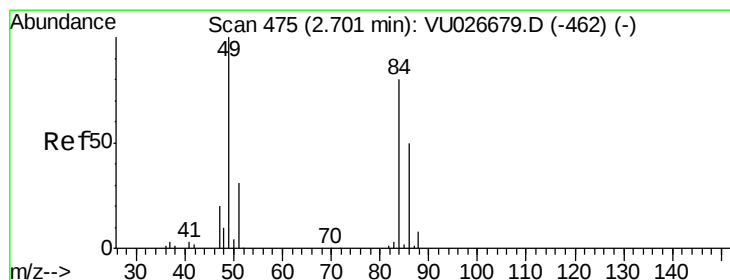
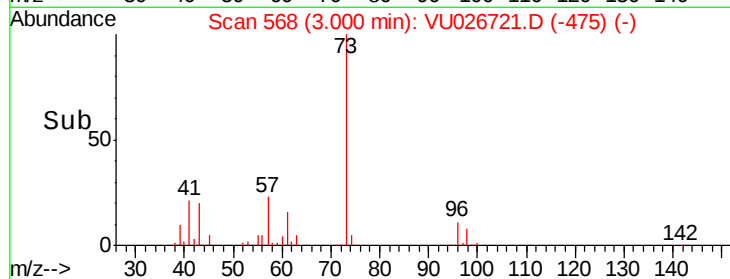
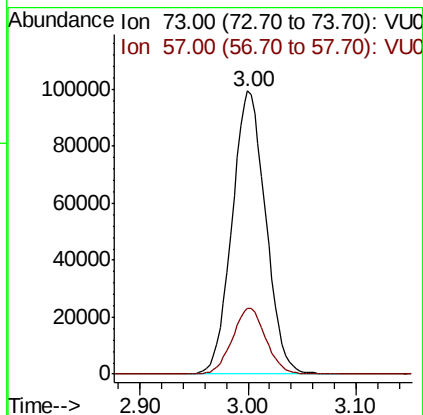
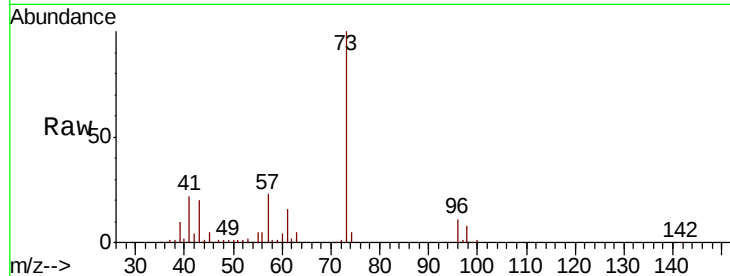


#19

Methyl tert-butyl Ether
 Concen: 47.797 ug/l
 RT: 3.00 min Scan# 568
 Delta R.T. 0.00 min
 Lab File: VU026721.D
 Acq: 13 Sep 2018 08:41

Instrument :
 MSVOA_U
 ClientSampled :
 BFB

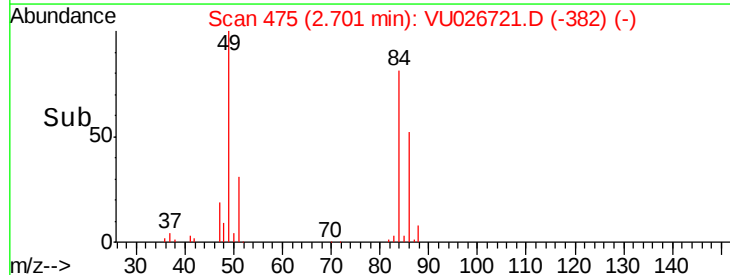
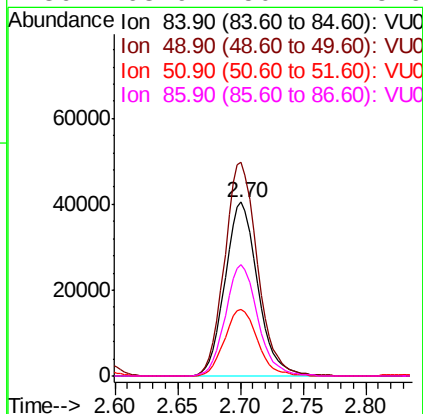
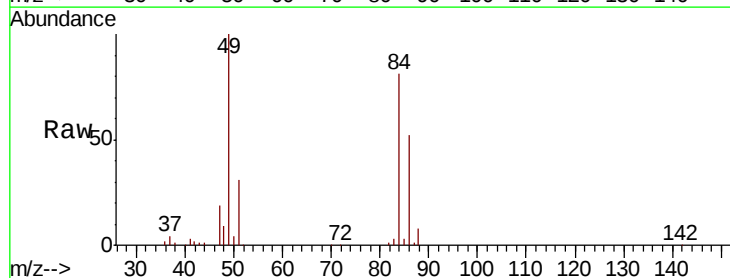
Tgt Ion: 73 Resp: 215442
 Ion Ratio Lower Upper
 73 100
 57 23.4 18.9 28.3

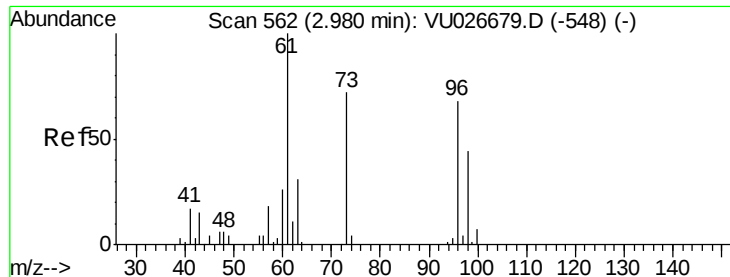


#20

Methylene Chloride
 Concen: 46.233 ug/l
 RT: 2.70 min Scan# 475
 Delta R.T. 0.00 min
 Lab File: VU026721.D
 Acq: 13 Sep 2018 08:41

Tgt Ion: 84 Resp: 73442
 Ion Ratio Lower Upper
 84 100
 49 122.8 100.6 151.0
 51 38.5 30.9 46.3
 86 63.9 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 47.099 ug/l

RT: 2.98 min Scan# 562

Delta R.T. 0.00 min

Lab File: VU026721.D

Acq: 13 Sep 2018 08:41

Instrument :

MSVOA_U

ClientSampleId :

BFB

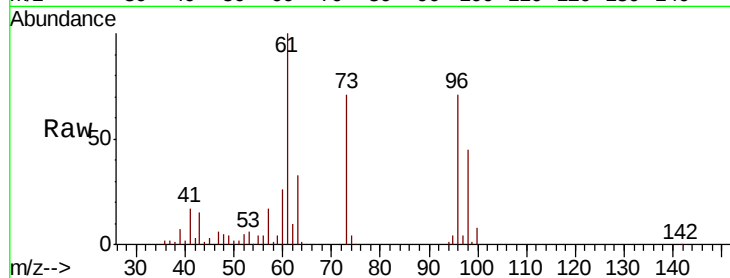
Tgt Ion: 96 Resp: 64955

Ion Ratio Lower Upper

96 100

61 141.5 117.7 176.5

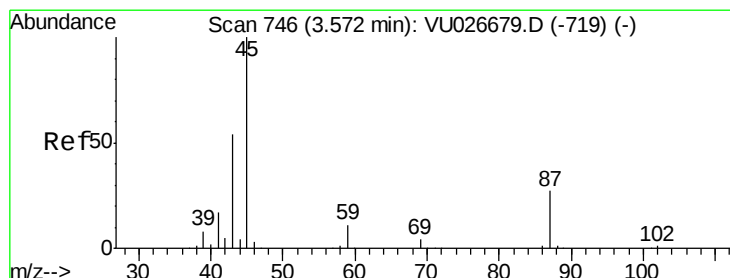
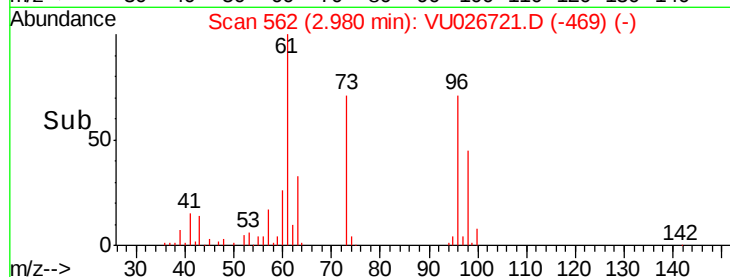
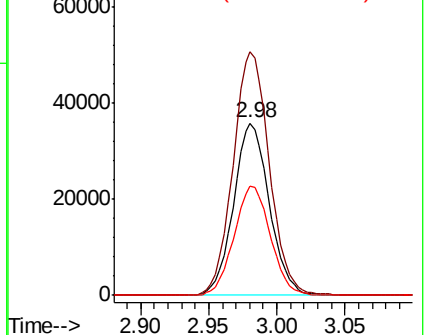
98 63.1 52.0 78.0



Abundance Ion 95.90 (95.60 to 96.60): VU026679.D (-548) (-)

Ion 60.90 (60.60 to 61.60): VU026679.D (-548) (-)

Ion 97.90 (97.60 to 98.60): VU026679.D (-548) (-)



#22

Diisopropyl ether

Concen: 48.643 ug/l

RT: 3.57 min Scan# 746

Delta R.T. 0.00 min

Lab File: VU026721.D

Acq: 13 Sep 2018 08:41

Tgt Ion: 45 Resp: 239369

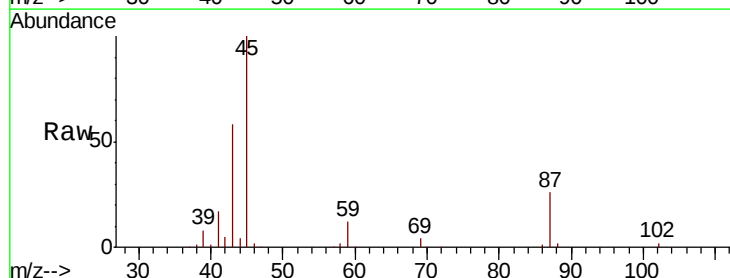
Ion Ratio Lower Upper

45 100

43 57.1 44.6 67.0

87 26.2 21.4 32.0

59 11.7 9.0 13.4

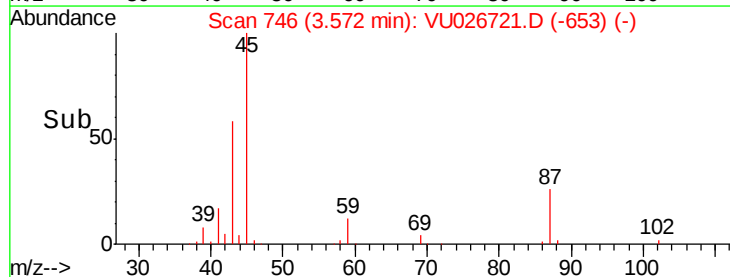
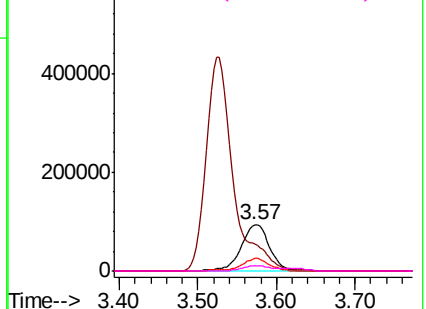


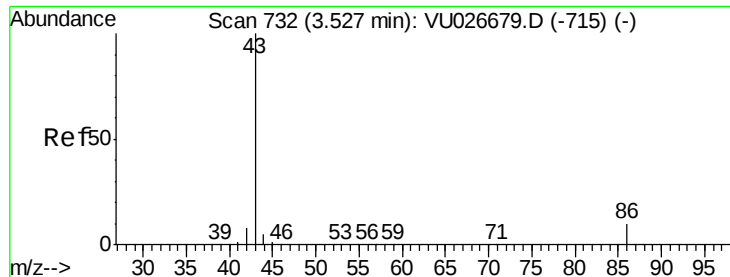
Abundance Ion 45.00 (44.70 to 45.70): VU026679.D (-719) (-)

Ion 43.00 (42.70 to 43.70): VU026679.D (-719) (-)

Ion 87.00 (86.70 to 87.70): VU026679.D (-719) (-)

Ion 59.00 (58.70 to 59.70): VU026679.D (-719) (-)





#23

Vinyl Acetate

Concen: 245.523 ug/l

RT: 3.52 min Scan# 731

Delta R.T. -0.00 min

Lab File: VU026721.D

Acq: 13 Sep 2018 08:41

Instrument :

MSVOA_U

ClientSampleId :

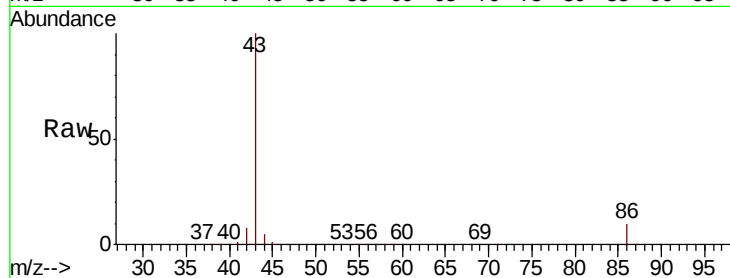
BFB

Tgt Ion: 43 Resp: 1026307

Ion Ratio Lower Upper

43 100

86 9.9 7.8 11.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

3.52

400000

300000

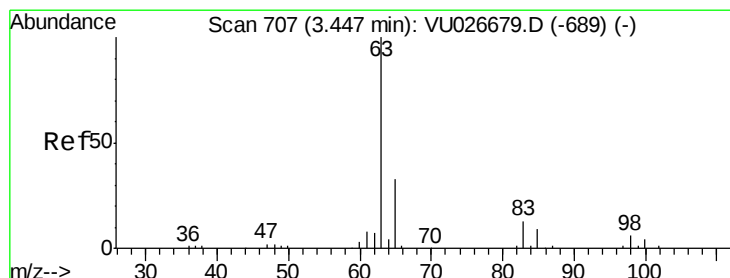
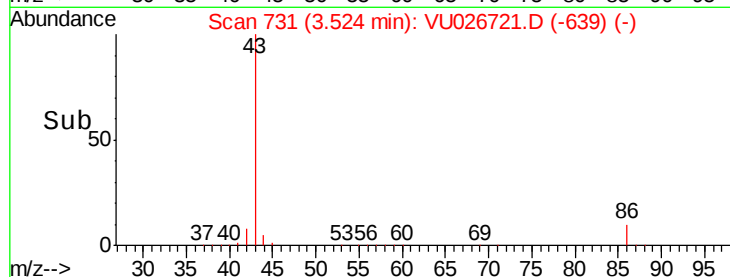
200000

100000

0

Time-->

3.40 3.50 3.60 3.70



#24

1,1-Dichloroethane

Concen: 47.114 ug/l

RT: 3.44 min Scan# 706

Delta R.T. -0.00 min

Lab File: VU026721.D

Acq: 13 Sep 2018 08:41

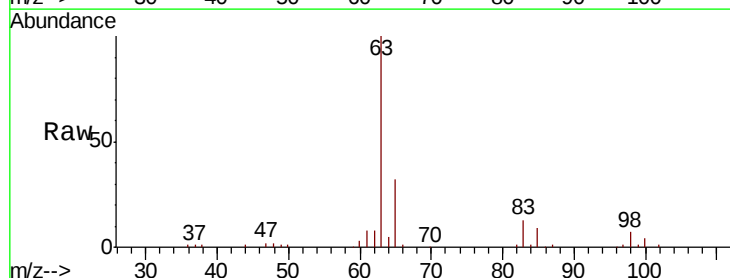
Tgt Ion: 63 Resp: 130783

Ion Ratio Lower Upper

63 100

98 6.6 3.1 9.4

100 4.2 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0

3.44

80000

60000

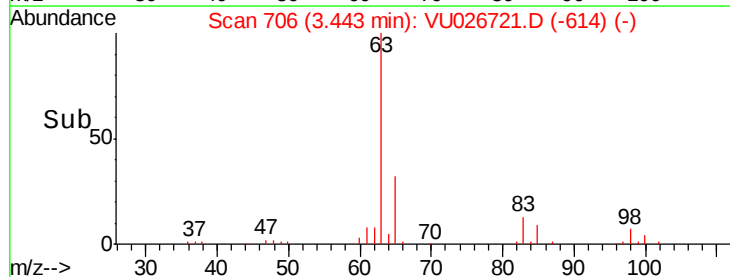
40000

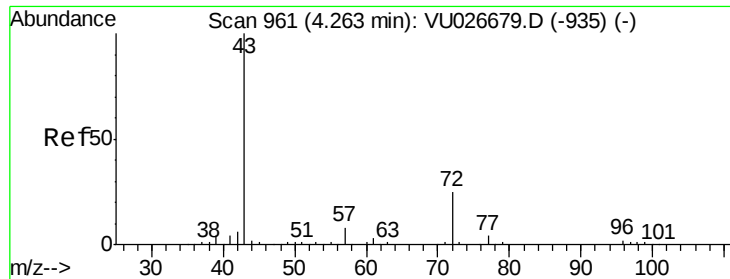
20000

0

Time-->

3.35 3.40 3.45 3.50 3.55





#25

2-Butanone

Concen: 244.811 ug/l

RT: 4.26 min Scan# 961

Delta R.T. 0.00 min

Lab File: VU026721.D

Acq: 13 Sep 2018 08:41

Instrument :

MSVOA_U

ClientSampled :

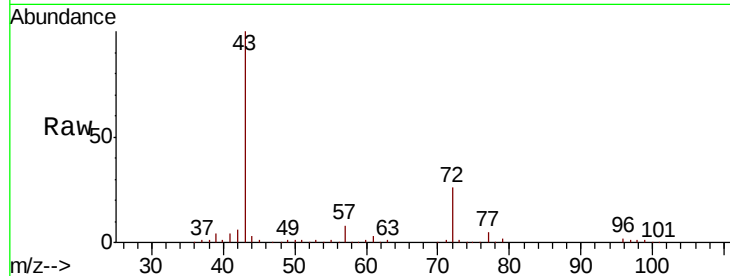
BFB

Tgt Ion: 43 Resp: 322954

Ion Ratio Lower Upper

43 100

72 25.9 20.3 30.5



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

150000

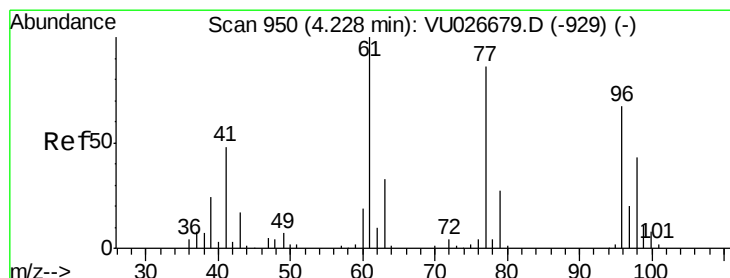
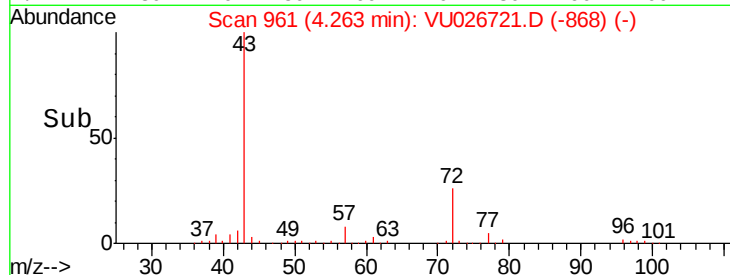
100000

50000

0

4.20 4.26 4.30

Time-->



#26

2,2-Dichloropropane

Concen: 48.930 ug/l

RT: 4.23 min Scan# 950

Delta R.T. 0.00 min

Lab File: VU026721.D

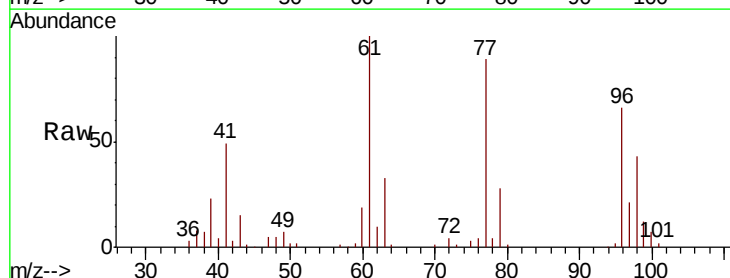
Acq: 13 Sep 2018 08:41

Tgt Ion: 77 Resp: 111645

Ion Ratio Lower Upper

77 100

97 23.1 11.6 34.8



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0

40000

30000

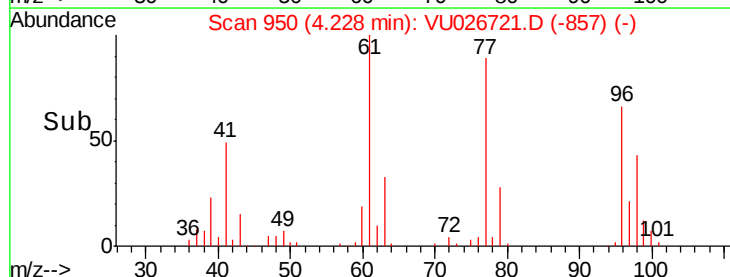
20000

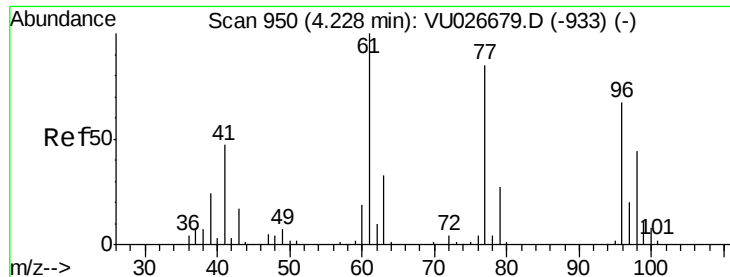
10000

0

4.10 4.23 4.30

Time-->



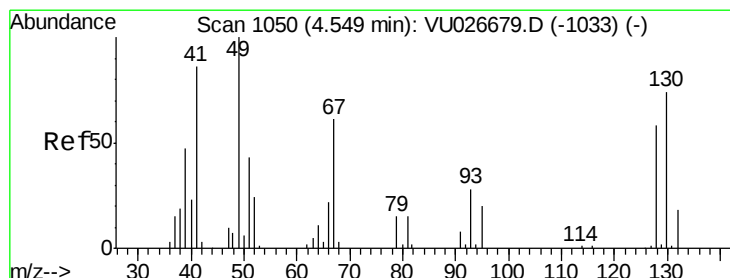
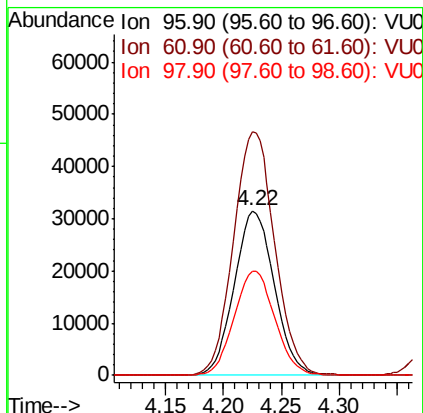
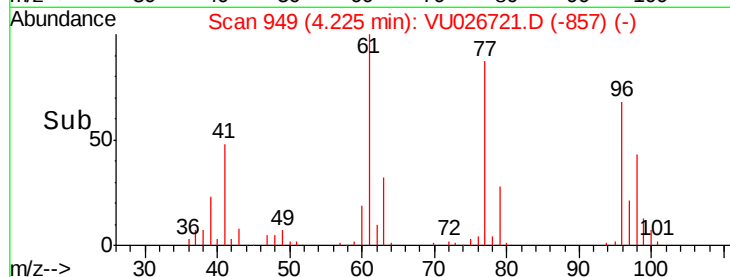
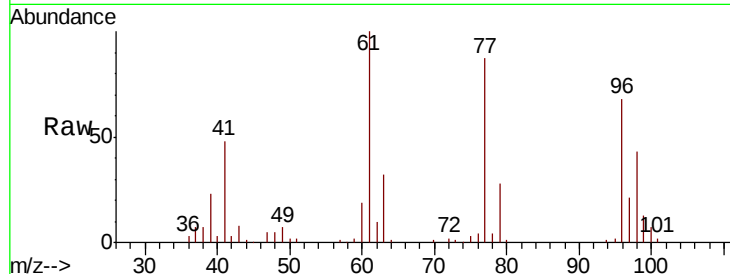


#27

cis-1,2-Dichloroethene
Concen: 47.547 ug/l
RT: 4.22 min Scan# 949
Delta R.T. -0.00 min
Lab File: VU026721.D
Acq: 13 Sep 2018 08:41

Instrument :
MSVOA_U
ClientSampled :
BFB

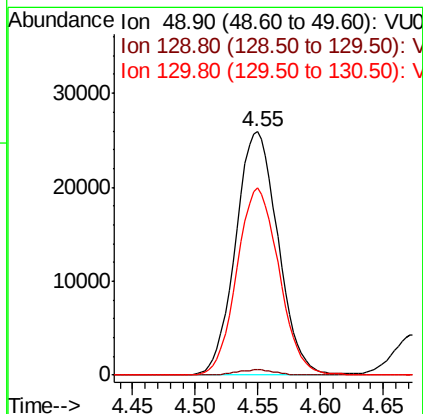
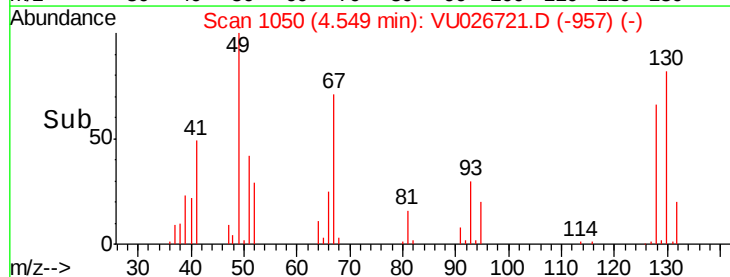
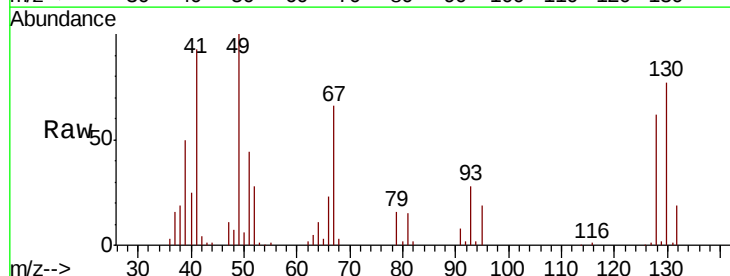
Tgt Ion: 96 Resp: 75574
Ion Ratio Lower Upper
96 100
61 152.3 0.0 301.8
98 64.3 0.0 127.2

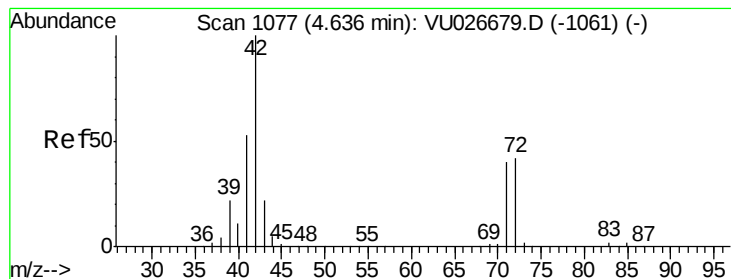


#28

Bromochloromethane
Concen: 45.900 ug/l
RT: 4.55 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VU026721.D
Acq: 13 Sep 2018 08:41

Tgt Ion: 49 Resp: 60928
Ion Ratio Lower Upper
49 100
129 1.8 0.0 3.8
130 76.5 59.8 89.6





#29

Tetrahydrofuran

Concen: 240.378 ug/l

RT: 4.64 min Scan# 1077

Delta R.T. 0.00 min

Lab File: VU026721.D

Acq: 13 Sep 2018 08:41

Instrument :

MSVOA_U

ClientSampleId :

BFB

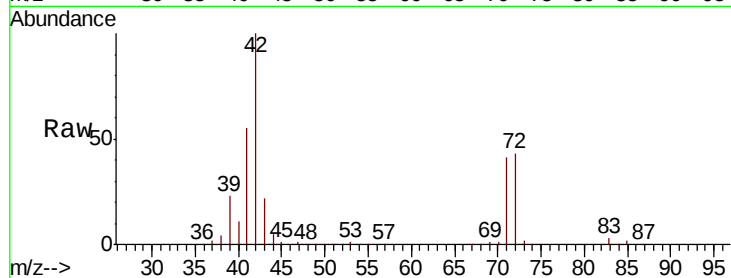
Tgt Ion: 42 Resp: 191183

Ion Ratio Lower Upper

42 100

72 43.6 34.4 51.6

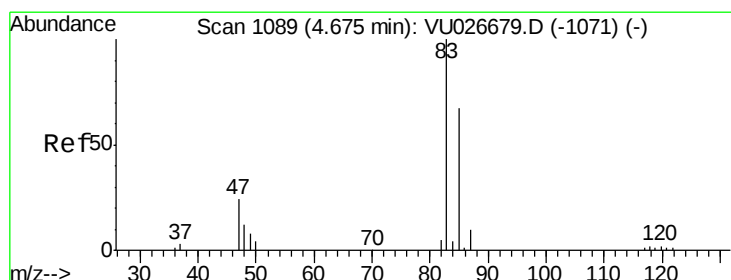
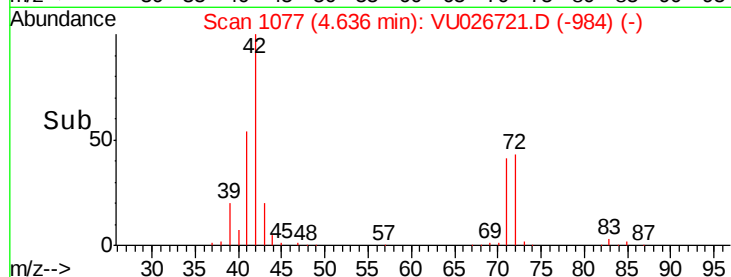
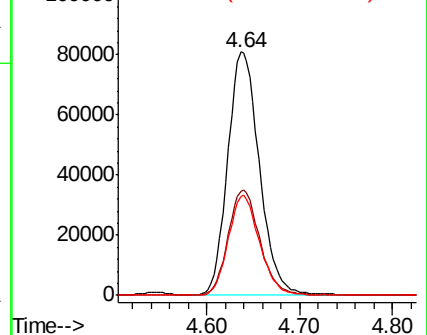
71 40.6 32.4 48.6



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: 47.371 ug/l

RT: 4.67 min Scan# 1089

Delta R.T. 0.00 min

Lab File: VU026721.D

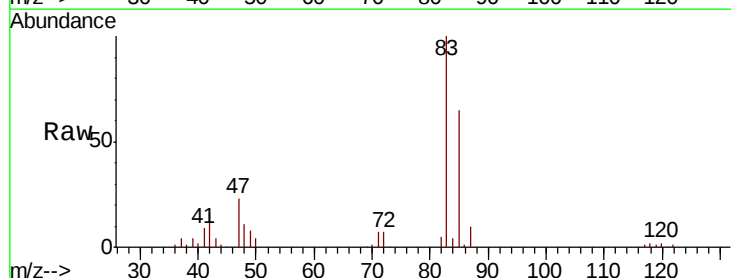
Acq: 13 Sep 2018 08:41

Tgt Ion: 83 Resp: 129309

Ion Ratio Lower Upper

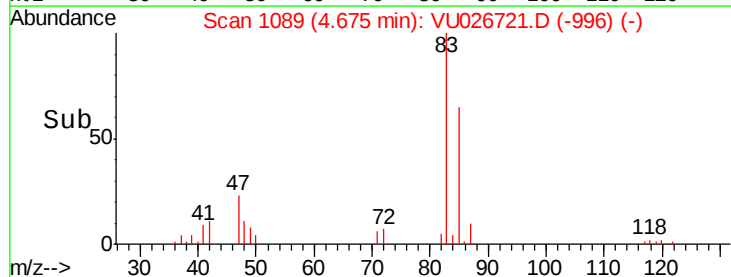
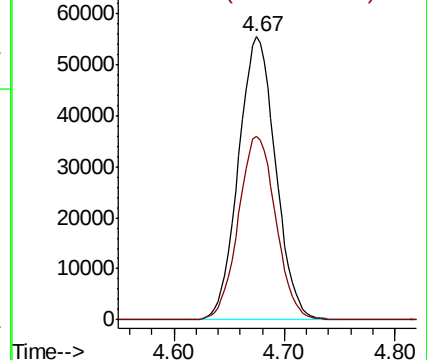
83 100

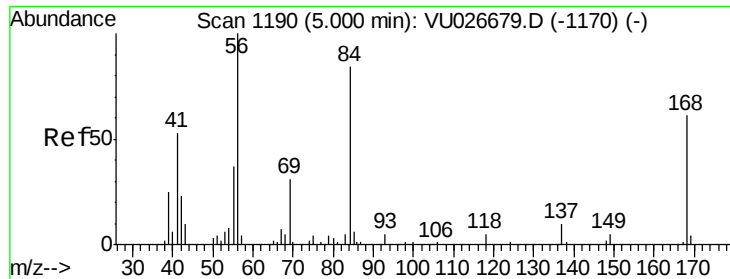
85 64.8 53.3 79.9



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0

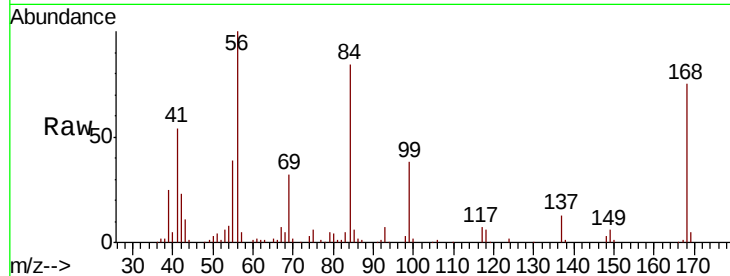




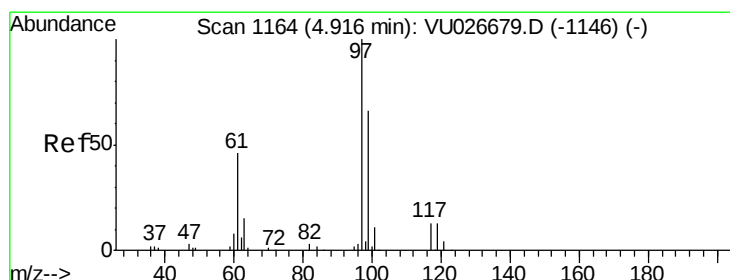
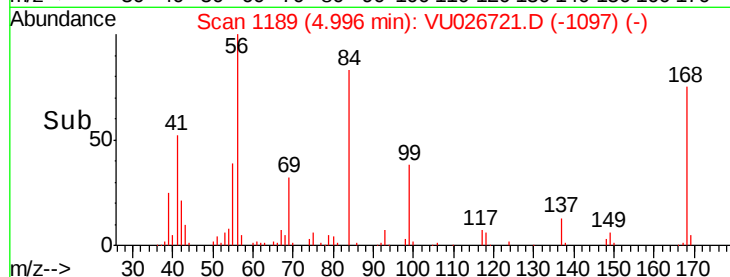
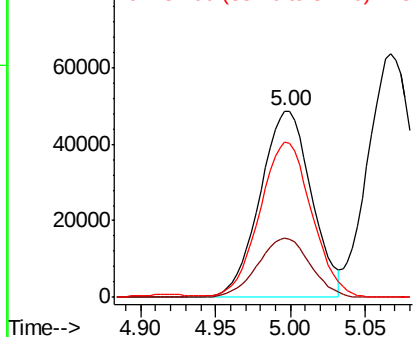
#31
Cyclohexane
Concen: 45.859 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. -0.00 min
Lab File: VU026721.D
Acq: 13 Sep 2018 08:41

Instrument :
MSVOA_U
ClientSampled :
BFB

Tgt Ion: 56 Resp: 116305
Ion Ratio Lower Upper
56 100
69 31.6 24.9 37.3
84 82.7 66.6 100.0

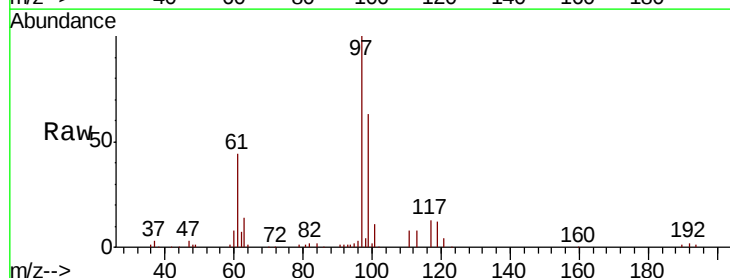


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

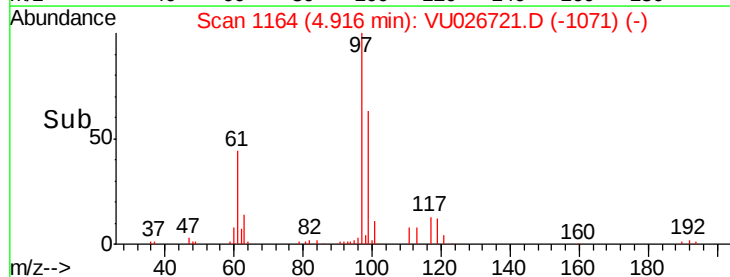
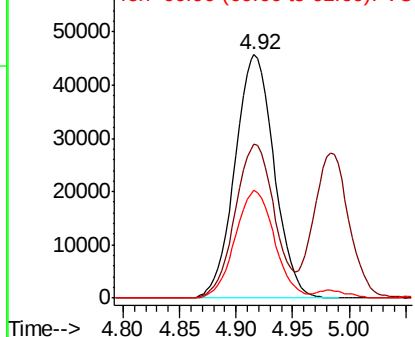


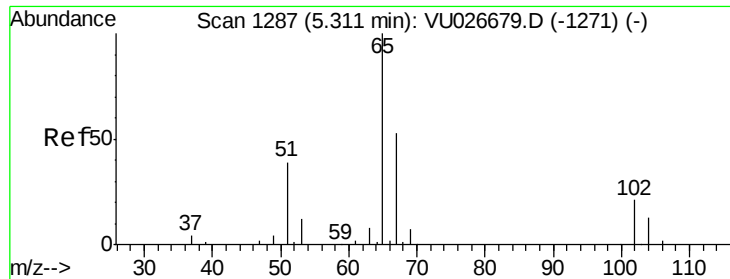
#32
1,1,1-Trichloroethane
Concen: 48.710 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. 0.00 min
Lab File: VU026721.D
Acq: 13 Sep 2018 08:41

Tgt Ion: 97 Resp: 110090
Ion Ratio Lower Upper
97 100
99 63.5 52.2 78.2
61 44.5 36.8 55.2



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

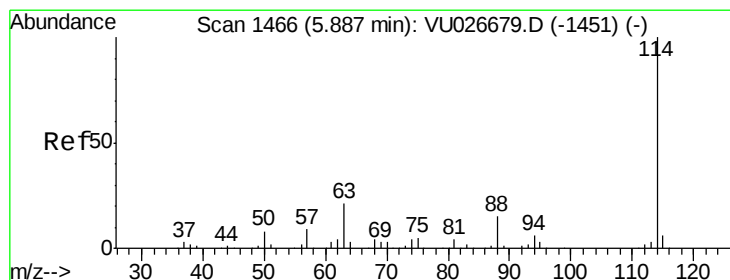
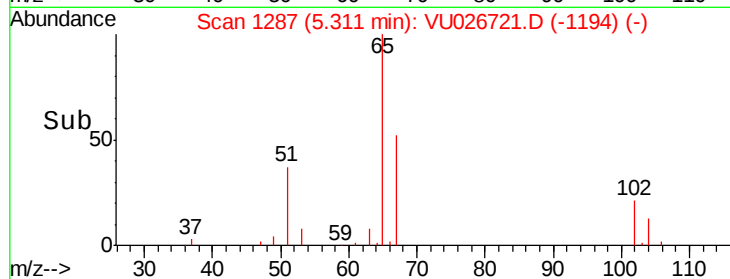
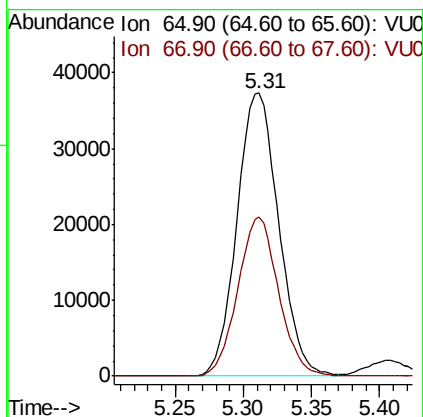
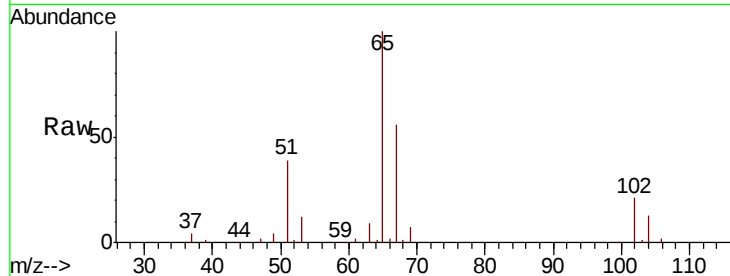




#33
 1,2-Dichloroethane-d4
 Concen: 45.983 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU026721.D
 Acq: 13 Sep 2018 08:41

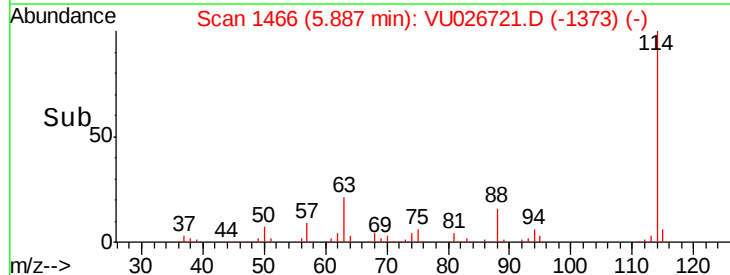
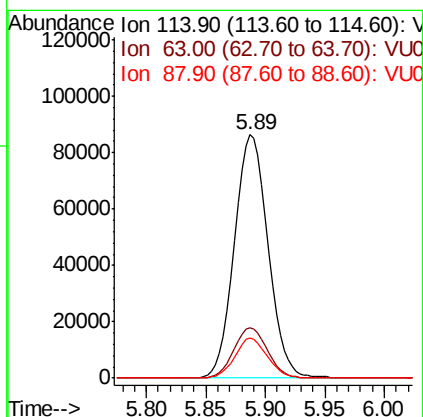
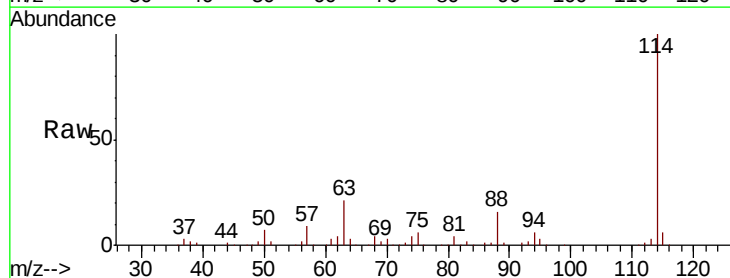
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB

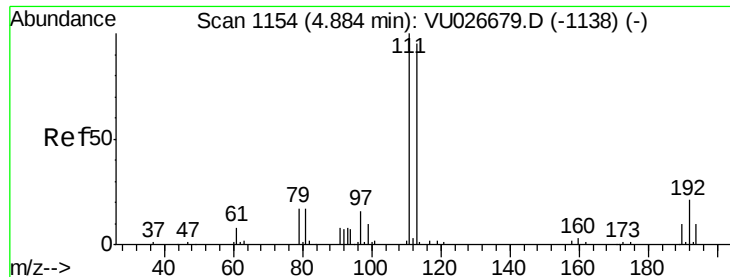
Tgt Ion: 65 Resp: 79540
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU026721.D
 Acq: 13 Sep 2018 08:41

Tgt Ion: 114 Resp: 169721
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 41.4
 88 16.5 0.0 30.8

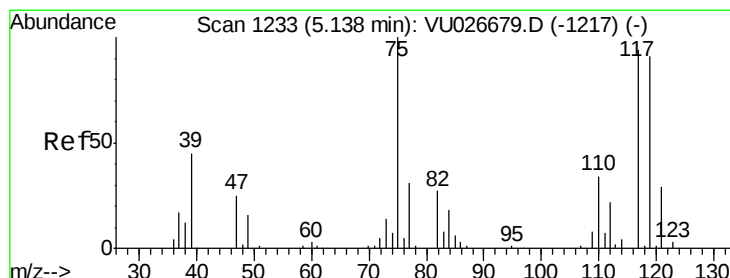
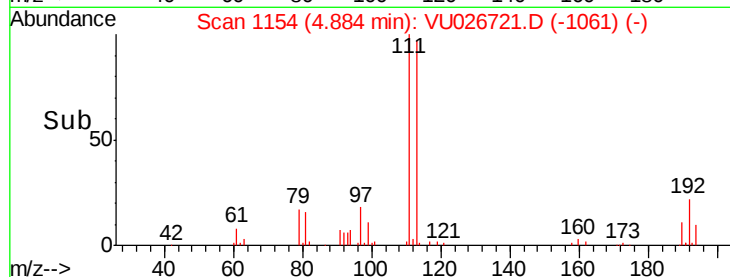
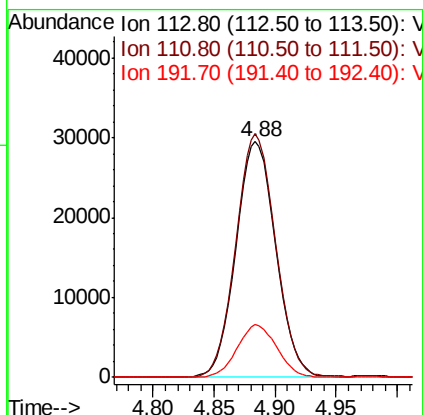
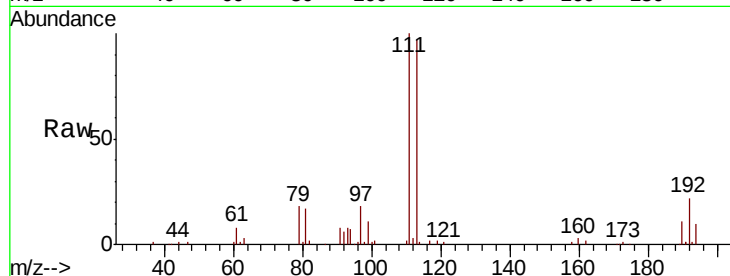




#35
 Dibromofluoromethane
 Concen: 48.229 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU026721.D
 Acq: 13 Sep 2018 08:41

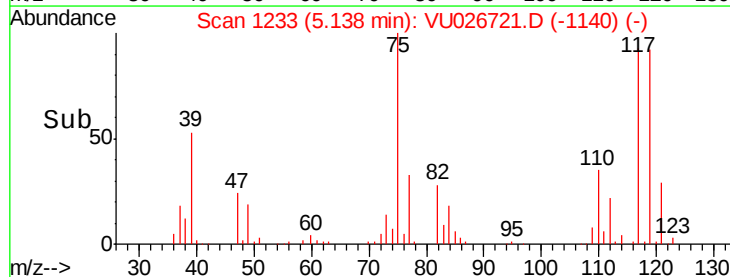
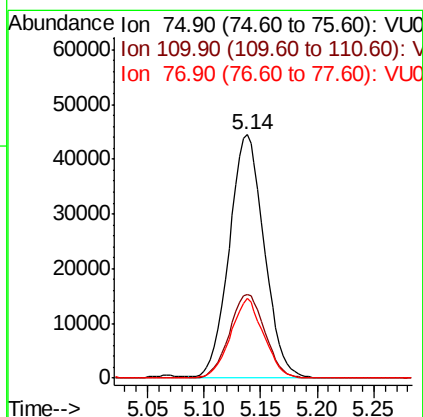
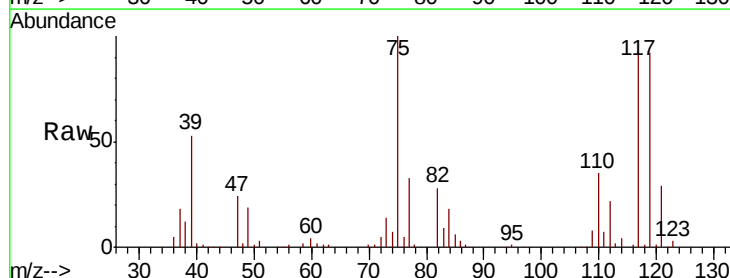
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB

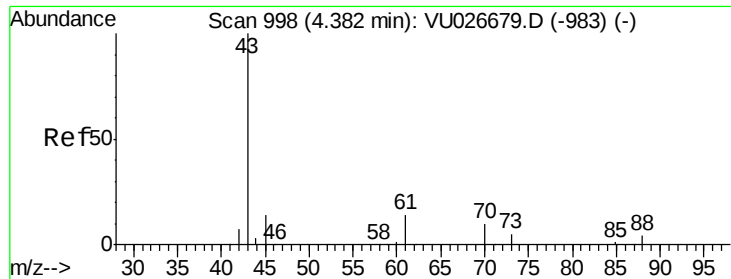
Tgt Ion: 113 Resp: 66768
 Ion Ratio Lower Upper
 113 100
 111 102.9 83.1 124.7
 192 22.0 17.4 26.2



#36
 1,1-Dichloropropene
 Concen: 50.297 ug/l
 RT: 5.14 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VU026721.D
 Acq: 13 Sep 2018 08:41

Tgt Ion: 75 Resp: 95842
 Ion Ratio Lower Upper
 75 100
 110 34.9 17.3 51.9
 77 30.9 24.9 37.3





#37

Ethyl Acetate

Concen: 47.434 ug/l

RT: 4.38 min Scan# 998

Delta R.T. 0.00 min

Lab File: VU026721.D

Acq: 13 Sep 2018 08:41

Instrument :

MSVOA_U

ClientSampleId :

BFB

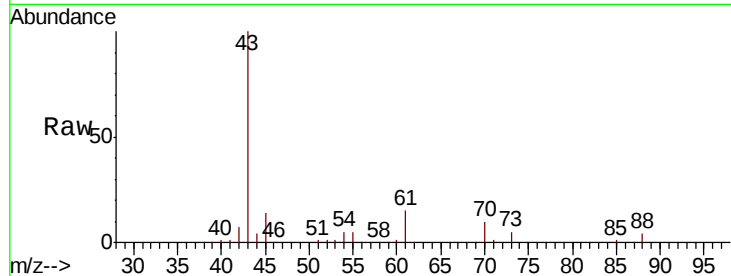
Tgt Ion: 43 Resp: 108693

Ion Ratio Lower Upper

43 100

61 14.5 11.5 17.3

70 10.1 7.8 11.8

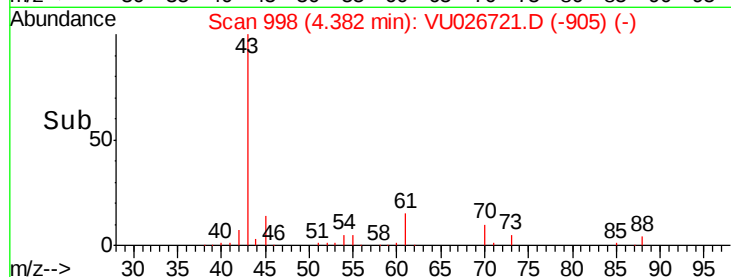


Abundance Ion 43.00 (42.70 to 43.70): VU026679.D (-983) (-)

Ion 60.90 (60.60 to 61.60): VU026679.D (-983) (-)

Ion 70.00 (69.70 to 70.70): VU026679.D (-983) (-)

Time-->

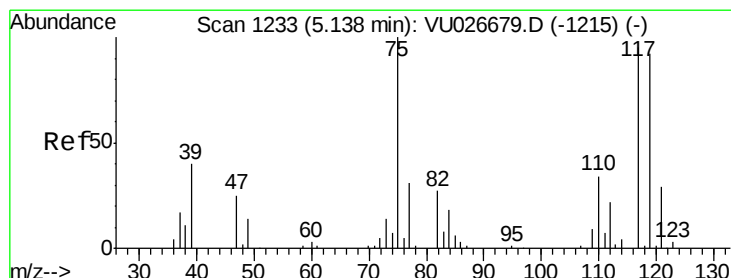


Abundance Ion 43.00 (42.70 to 43.70): VU026721.D (-905) (-)

Ion 60.90 (60.60 to 61.60): VU026721.D (-905) (-)

Ion 70.00 (69.70 to 70.70): VU026721.D (-905) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 48.440 ug/l

RT: 5.13 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU026721.D

Acq: 13 Sep 2018 08:41

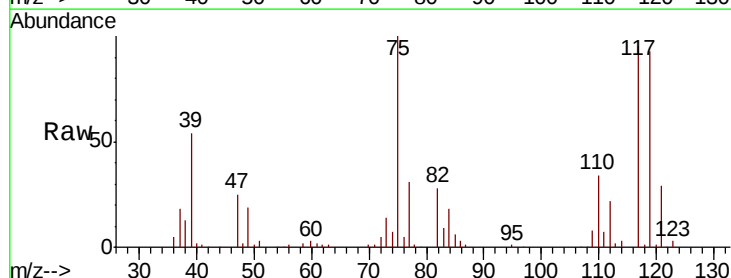
Tgt Ion: 117 Resp: 97522

Ion Ratio Lower Upper

117 100

119 98.2 77.8 116.8

121 30.4 25.0 37.4

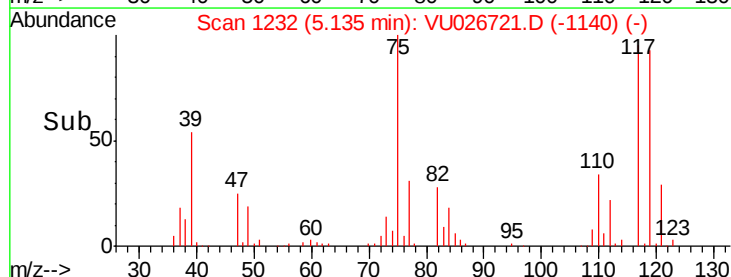


Abundance Ion 116.80 (116.50 to 117.50): VU026679.D (-1215) (-)

Ion 118.80 (118.50 to 119.50): VU026679.D (-1215) (-)

Ion 120.80 (120.50 to 121.50): VU026679.D (-1215) (-)

Time-->

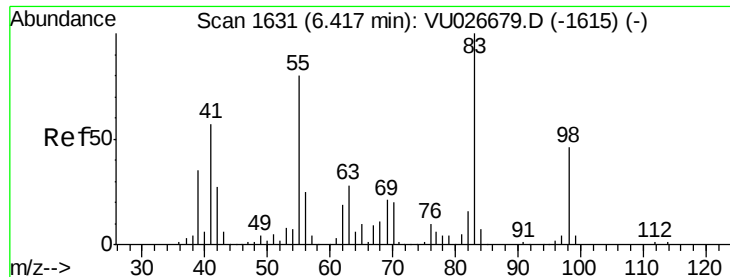


Abundance Ion 116.80 (116.50 to 117.50): VU026721.D (-1140) (-)

Ion 118.80 (118.50 to 119.50): VU026721.D (-1140) (-)

Ion 120.80 (120.50 to 121.50): VU026721.D (-1140) (-)

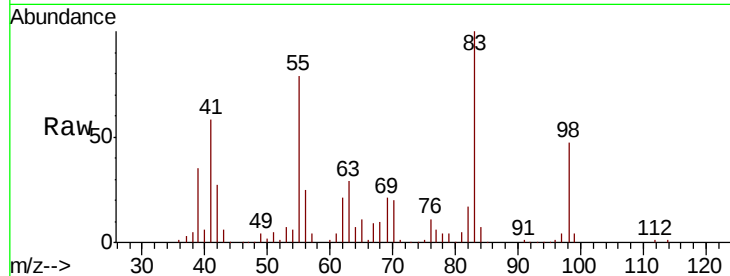
Time-->



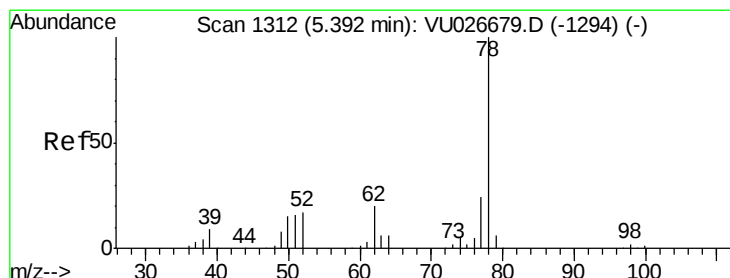
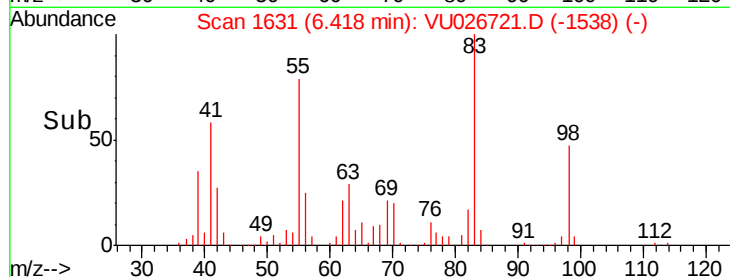
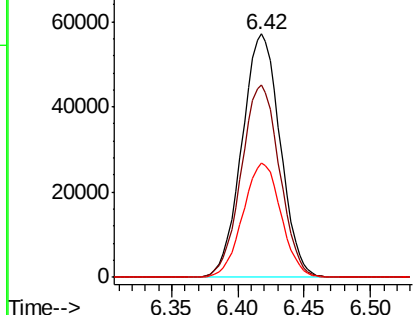
#39
Methylcyclohexane
Concen: 50.515 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU026721.D
Acq: 13 Sep 2018 08:41

Instrument :
MSVOA_U
ClientSampleId :
BFB

Tgt Ion: 83 Resp: 114289
Ion Ratio Lower Upper
83 100
55 78.9 63.8 95.6
98 46.9 37.2 55.8

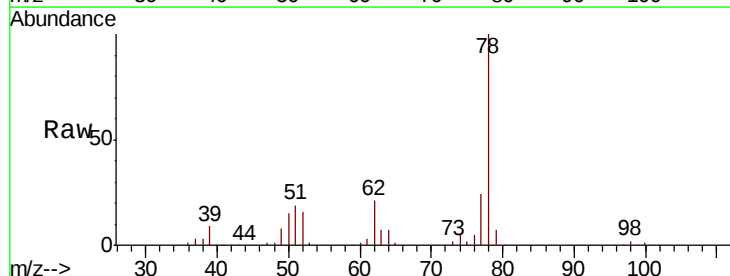


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

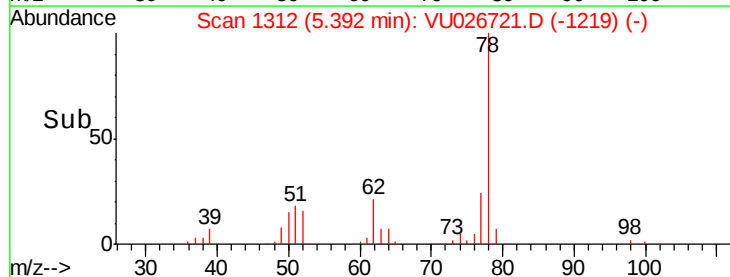
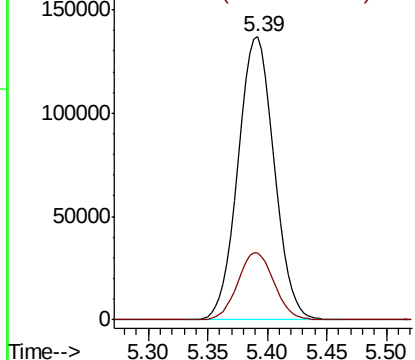


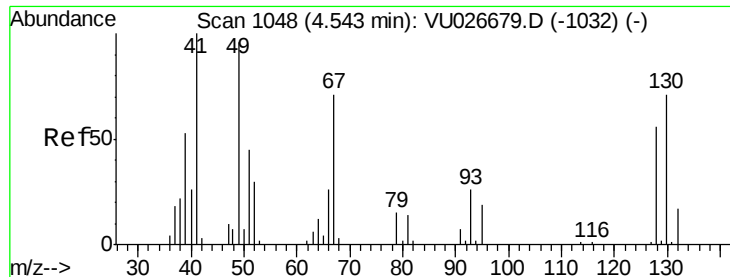
#40
Benzene
Concen: 48.877 ug/l
RT: 5.39 min Scan# 1312
Delta R.T. 0.00 min
Lab File: VU026721.D
Acq: 13 Sep 2018 08:41

Tgt Ion: 78 Resp: 289242
Ion Ratio Lower Upper
78 100
77 23.7 19.5 29.3



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

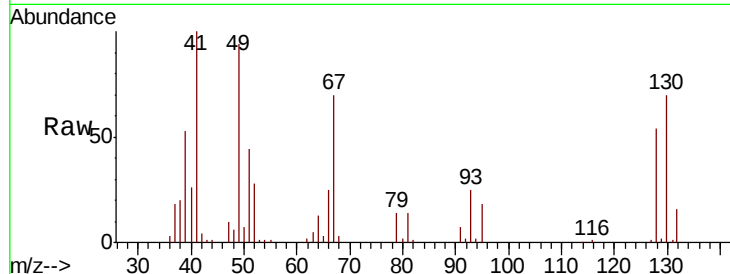




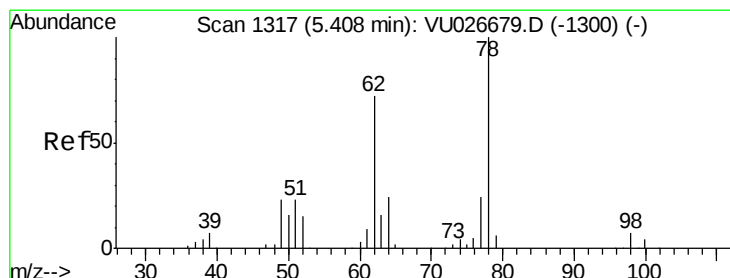
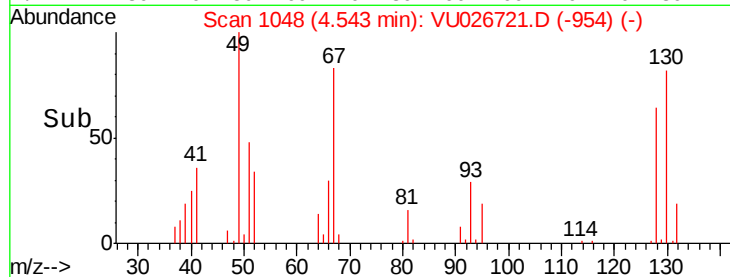
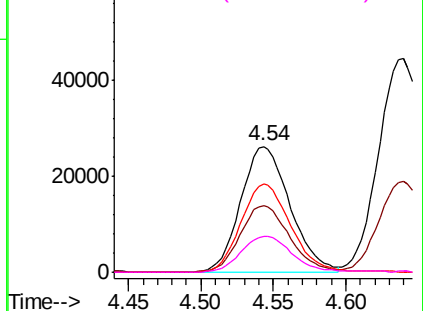
#41
Methacrylonitrile
Concen: 47.907 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. 0.00 min
Lab File: VU026721.D
Acq: 13 Sep 2018 08:41

Instrument :
MSVOA_U
ClientSampleId :
BFB

Tgt Ion:	41	Resp:	61821
Ion	Ratio	Lower	Upper
41	100		
39	53.4	42.9	64.3
67	71.0	56.6	84.8
52	30.0	23.2	34.8

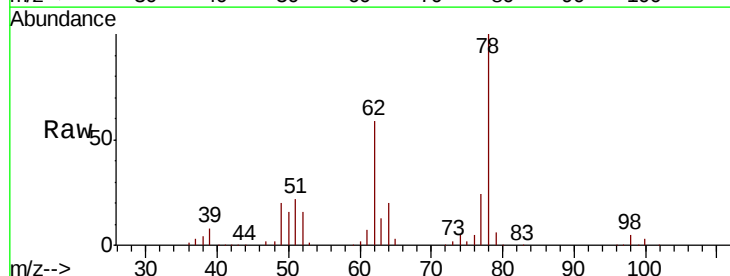


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 67.00 (66.70 to 67.70): VU0
Ion 52.00 (51.70 to 52.70): VU0

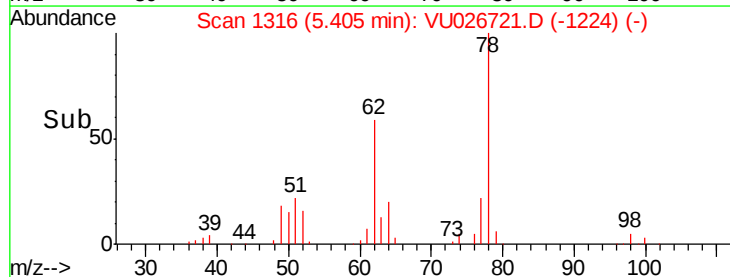
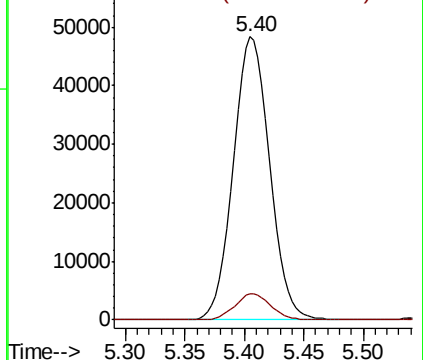


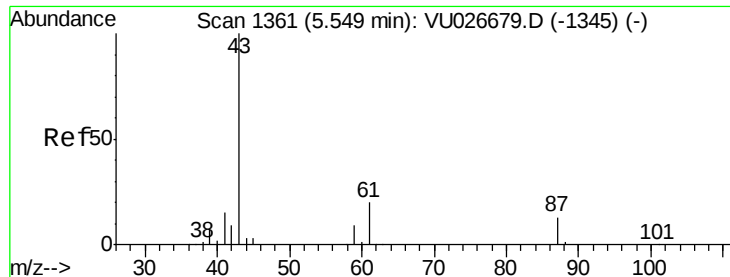
#42
1,2-Dichloroethane
Concen: 48.606 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VU026721.D
Acq: 13 Sep 2018 08:41

Tgt Ion:	62	Resp:	102567
Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	17.8



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

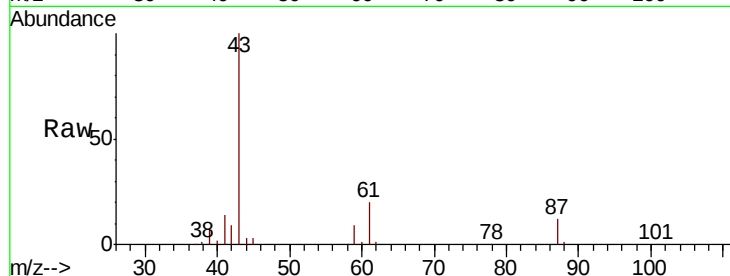




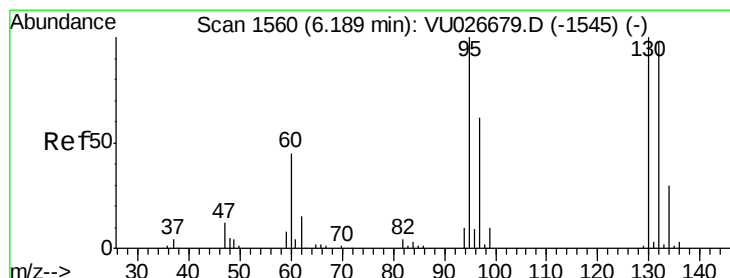
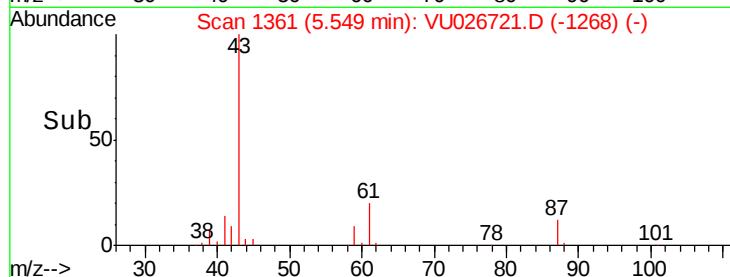
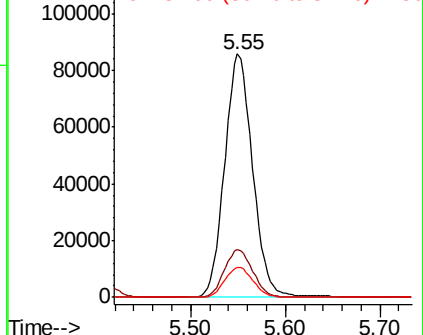
#43
Isopropyl Acetate
Concen: 50.567 ug/l
RT: 5.55 min Scan# 1361
Delta R.T. 0.00 min
Lab File: VU026721.D
Acq: 13 Sep 2018 08:41

Instrument :
MSVOA_U
ClientSampleId :
BFB

Tgt Ion: 43 Resp: 176433
Ion Ratio Lower Upper
43 100
61 19.8 16.0 24.0
87 12.5 10.1 15.1

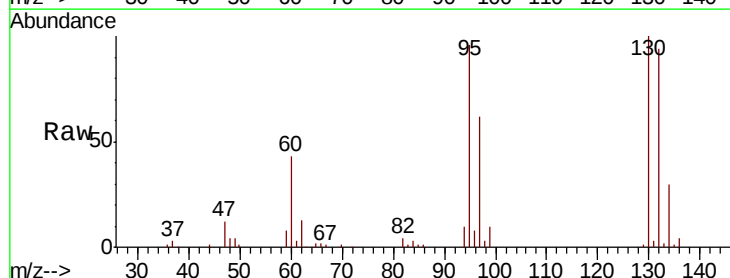


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 87.00 (86.70 to 87.70): VU0

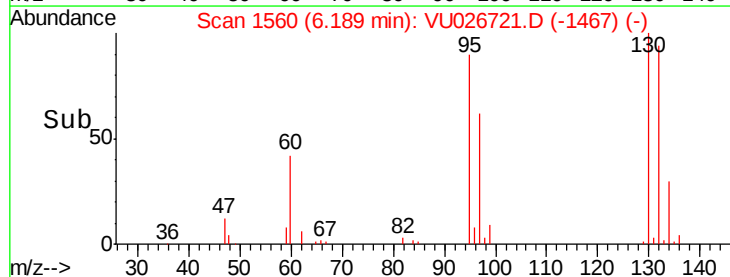
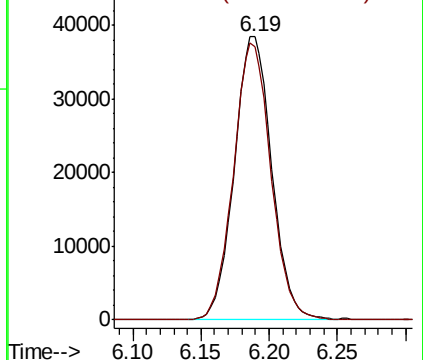


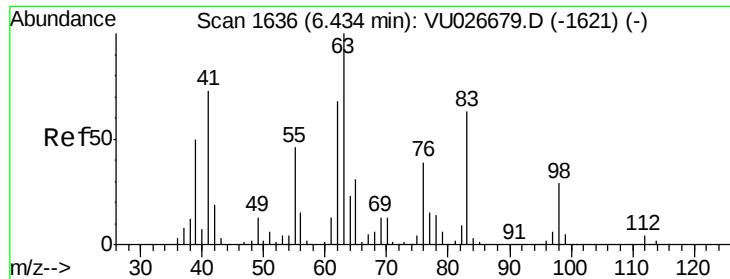
#44
Trichloroethene
Concen: 49.927 ug/l
RT: 6.19 min Scan# 1560
Delta R.T. 0.00 min
Lab File: VU026721.D
Acq: 13 Sep 2018 08:41

Tgt Ion: 130 Resp: 73124
Ion Ratio Lower Upper
130 100
95 96.3 0.0 199.4



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





#45

1,2-Dichloropropane

Concen: 49.734 ug/l

RT: 6.43 min Scan# 1636

Delta R.T. 0.00 min

Lab File: VU026721.D

Acq: 13 Sep 2018 08:41

Instrument :

MSVOA_U

ClientSampled :

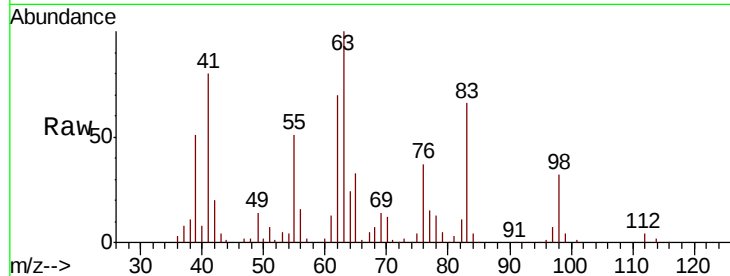
BFB

Tgt Ion: 63 Resp: 80008

Ion Ratio Lower Upper

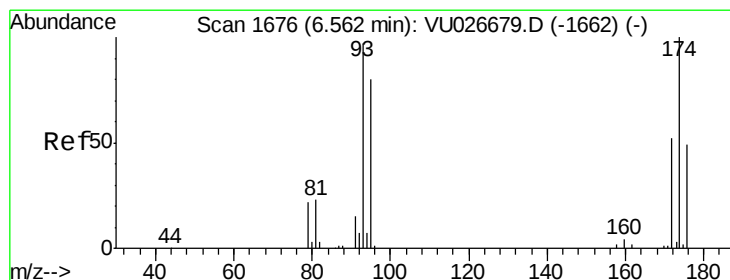
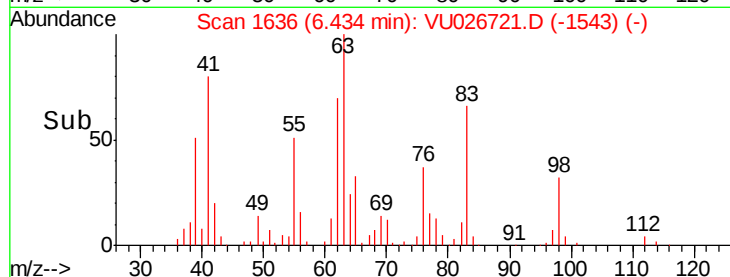
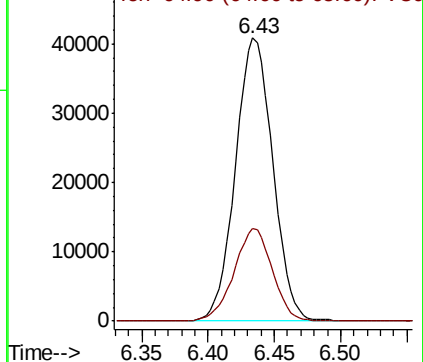
63 100

65 32.7 25.0 37.4



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 64.90 (64.60 to 65.60): VU0



#46

Dibromomethane

Concen: 50.144 ug/l

RT: 6.56 min Scan# 1676

Delta R.T. 0.00 min

Lab File: VU026721.D

Acq: 13 Sep 2018 08:41

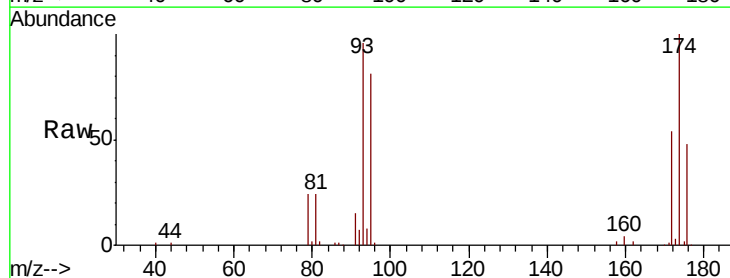
Tgt Ion: 93 Resp: 52056

Ion Ratio Lower Upper

93 100

95 82.8 65.4 98.2

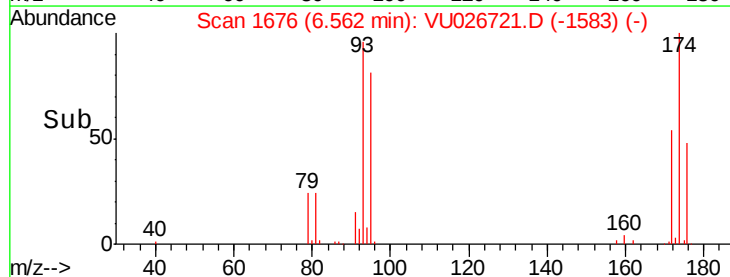
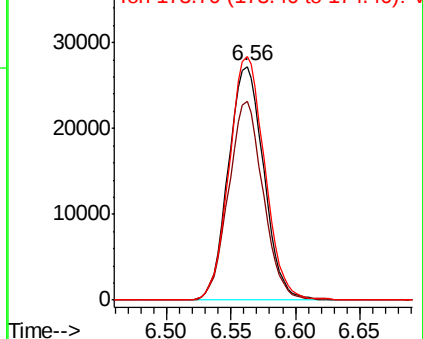
174 104.4 81.6 122.4

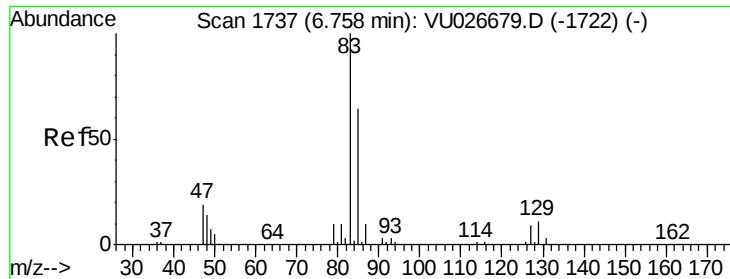


Abundance Ion 92.80 (92.50 to 93.50): VU0

Ion 94.80 (94.50 to 95.50): VU0

Ion 173.70 (173.40 to 174.40): V

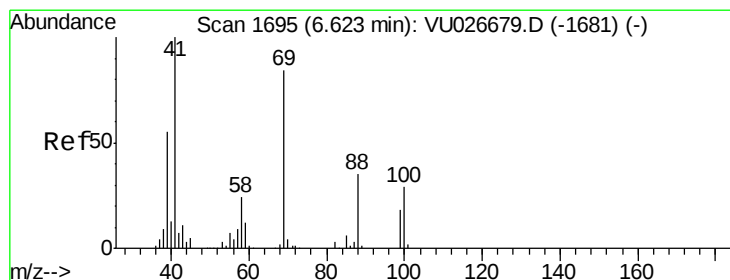
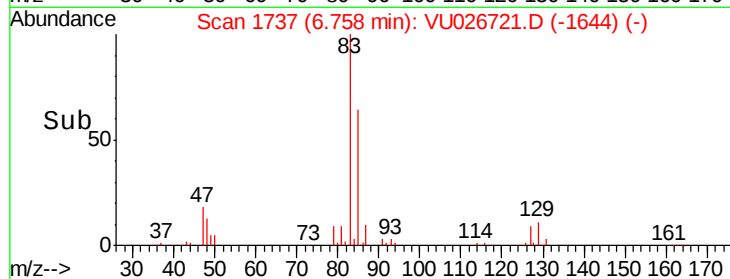
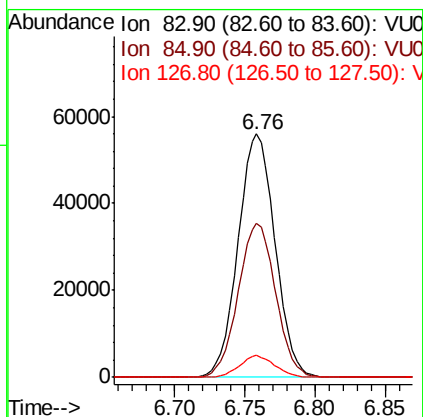
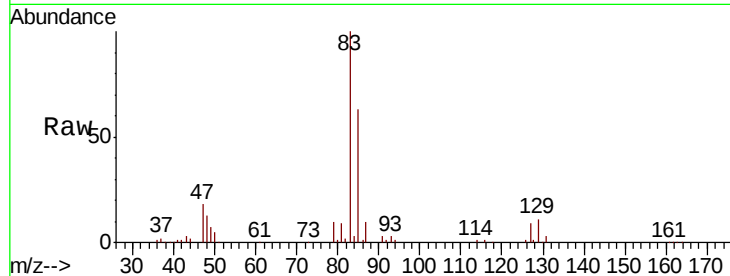




#47
Bromodichloromethane
Concen: 50.353 ug/l
RT: 6.76 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VU026721.D
Acq: 13 Sep 2018 08:41

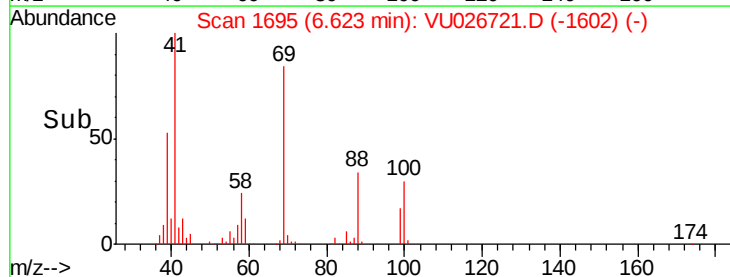
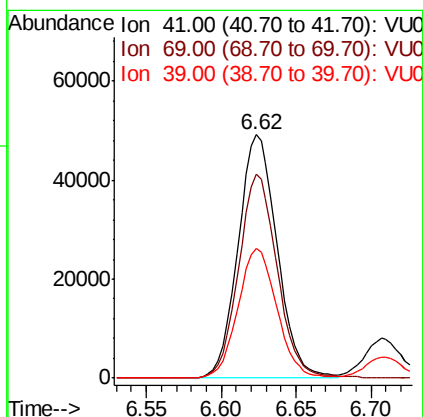
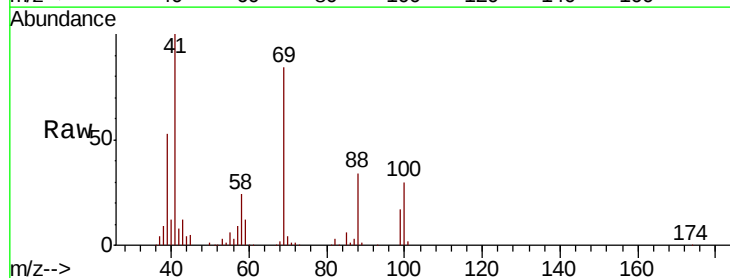
Instrument :
MSVOA_U
ClientSampleId :
BFB

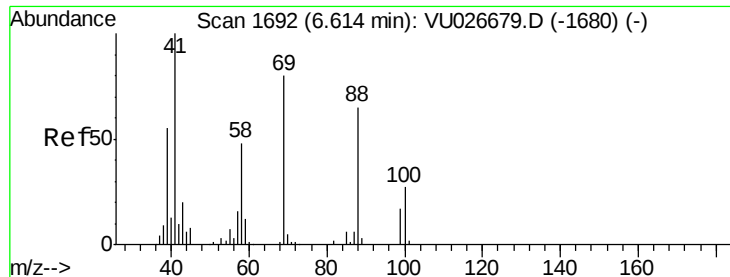
Tgt Ion: 83 Resp: 102931
Ion Ratio Lower Upper
83 100
85 63.1 51.1 76.7
127 8.9 6.9 10.3



#48
Methyl methacrylate
Concen: 46.907 ug/l
RT: 6.62 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VU026721.D
Acq: 13 Sep 2018 08:41

Tgt Ion: 41 Resp: 89328
Ion Ratio Lower Upper
41 100
69 82.7 66.6 99.8
39 53.4 43.6 65.4

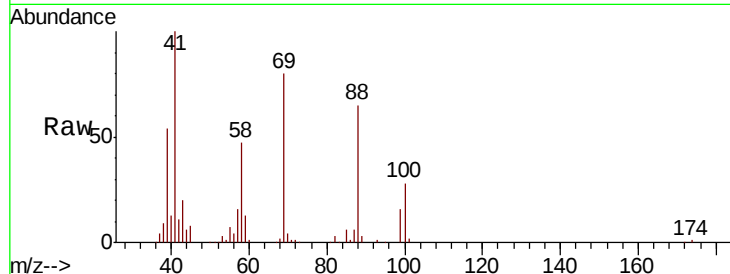




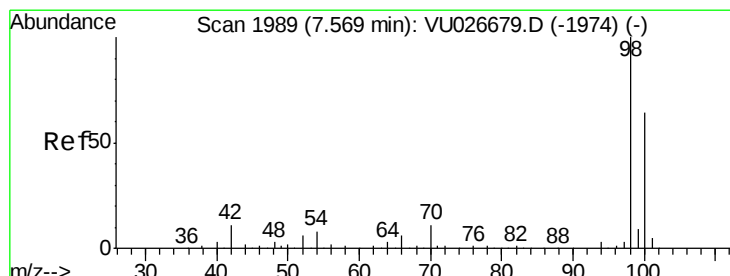
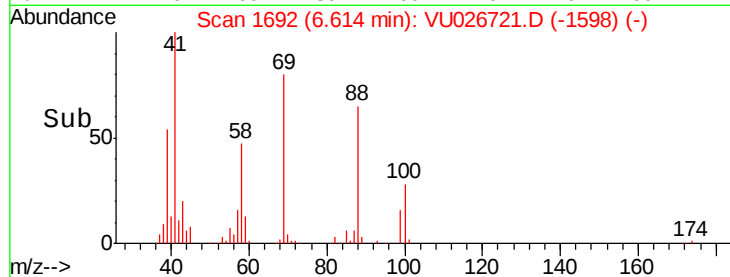
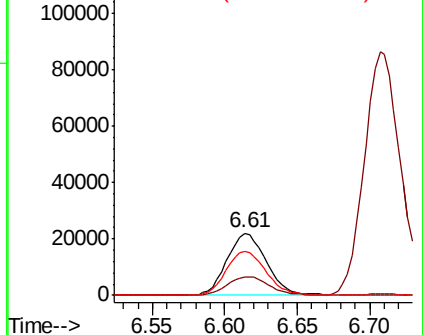
#49
1,4-Dioxane
Concen: 958.308 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VU026721.D
Acq: 13 Sep 2018 08:41

Instrument :
MSVOA_U
ClientSampled :
BFB

Tgt Ion: 88 Resp: 41839
Ion Ratio Lower Upper
88 100
43 32.4 25.5 38.3
58 71.5 58.2 87.4

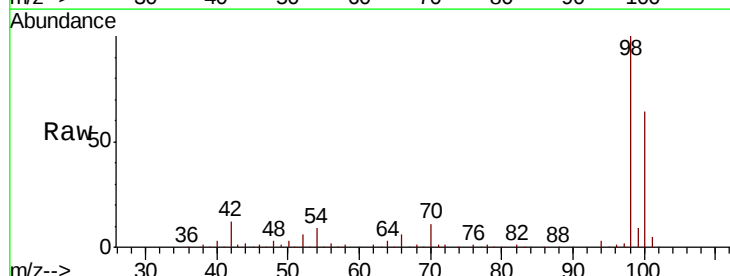


Abundance Ion 88.00 (87.70 to 88.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0

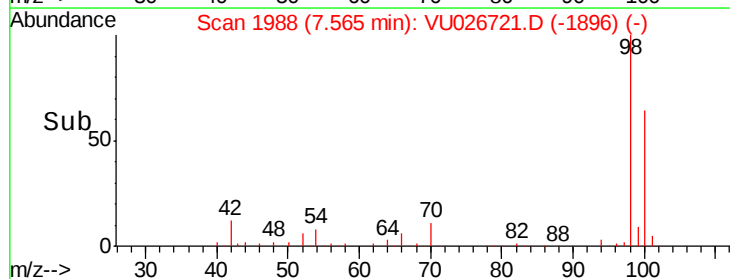
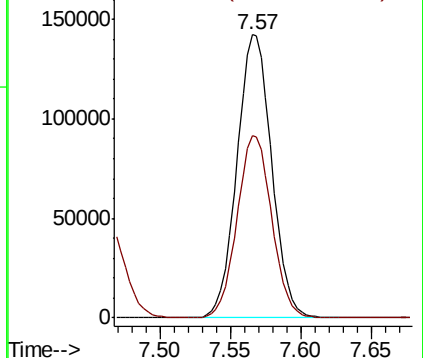


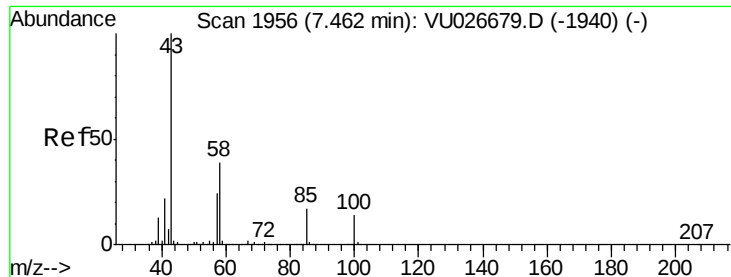
#50
Toluene-d8
Concen: 47.848 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU026721.D
Acq: 13 Sep 2018 08:41

Tgt Ion: 98 Resp: 244999
Ion Ratio Lower Upper
98 100
100 64.2 51.2 76.8



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

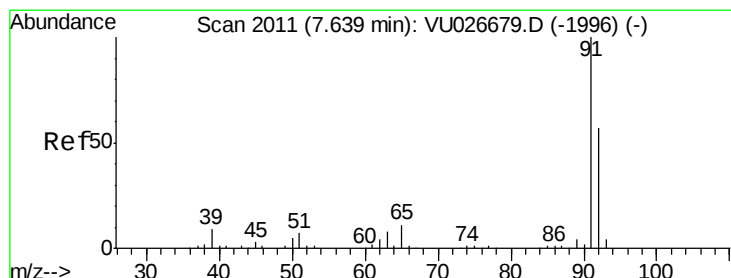
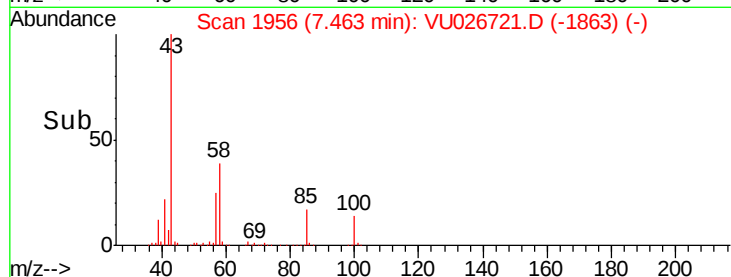
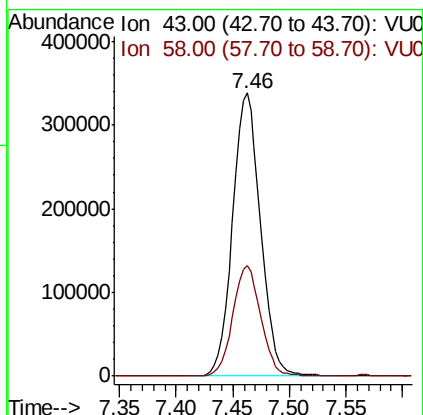
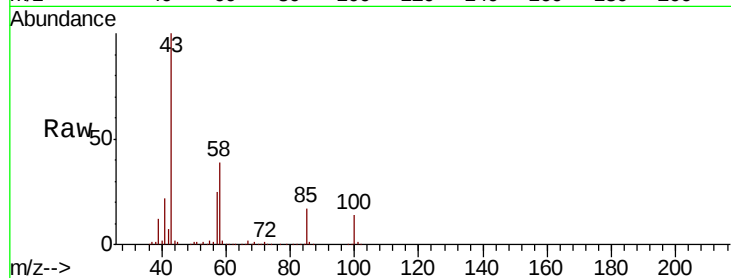




#51
 4-Methyl-2-Pentanone
 Concen: 249.008 ug/l
 RT: 7.46 min Scan# 1956
 Delta R.T. 0.00 min
 Lab File: VU026721.D
 Acq: 13 Sep 2018 08:41

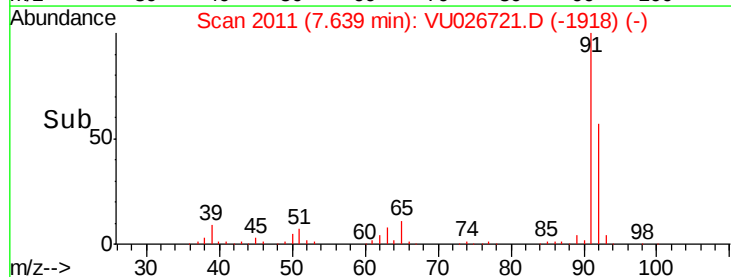
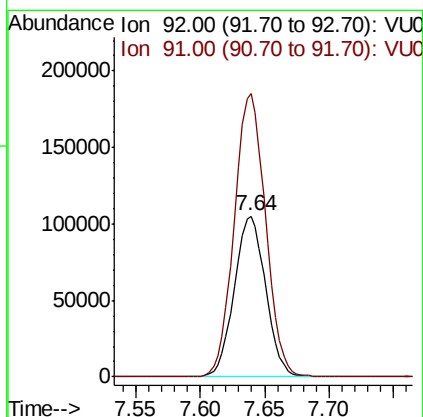
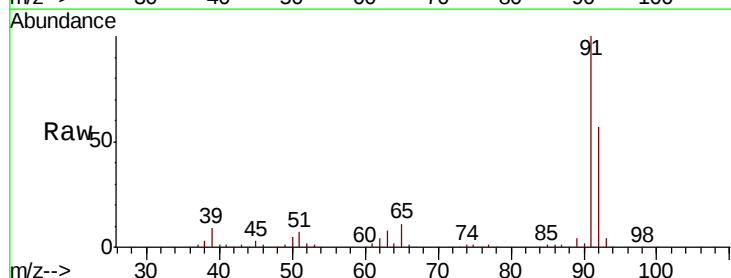
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB

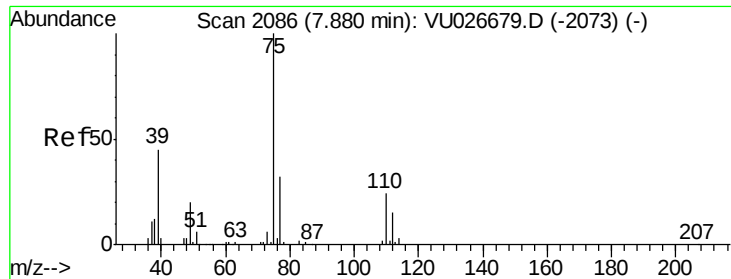
Tgt Ion: 43 Resp: 581141
 Ion Ratio Lower Upper
 43 100
 58 39.1 31.1 46.7



#52
 Toluene
 Concen: 50.411 ug/l
 RT: 7.64 min Scan# 2011
 Delta R.T. 0.00 min
 Lab File: VU026721.D
 Acq: 13 Sep 2018 08:41

Tgt Ion: 92 Resp: 177700
 Ion Ratio Lower Upper
 92 100
 91 176.3 141.1 211.7

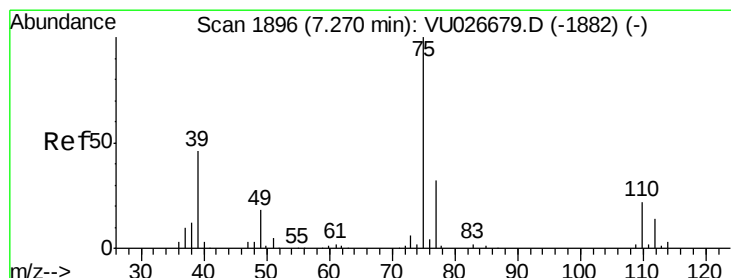
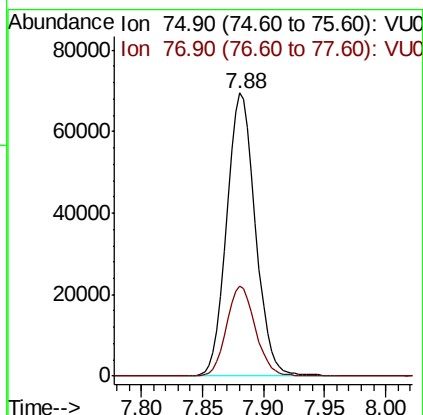
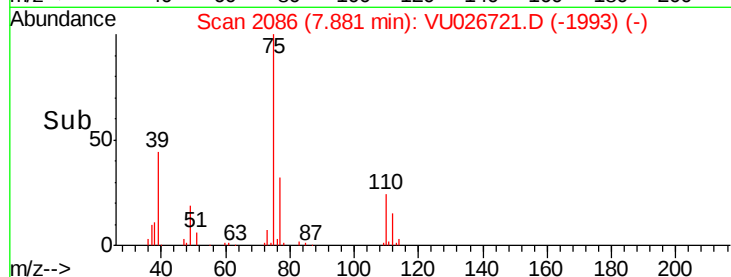
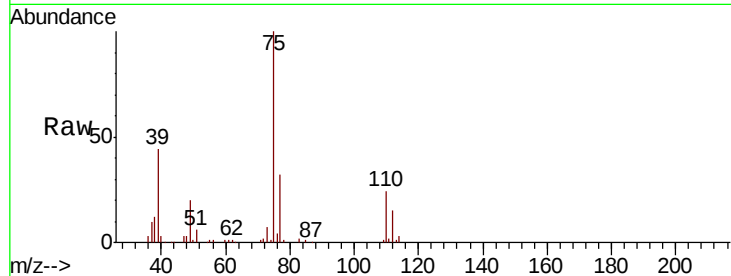




#53
 t-1,3-Dichloropropene
 Concen: 50.581 ug/l
 RT: 7.88 min Scan# 2086
 Delta R.T. 0.00 min
 Lab File: VU026721.D
 Acq: 13 Sep 2018 08:41

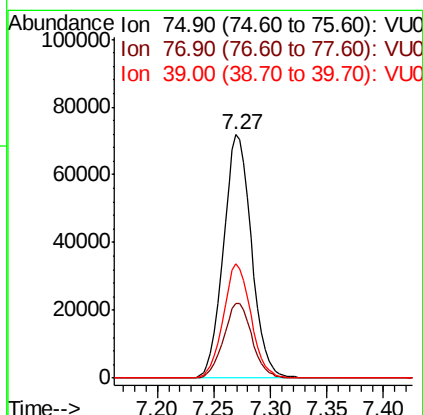
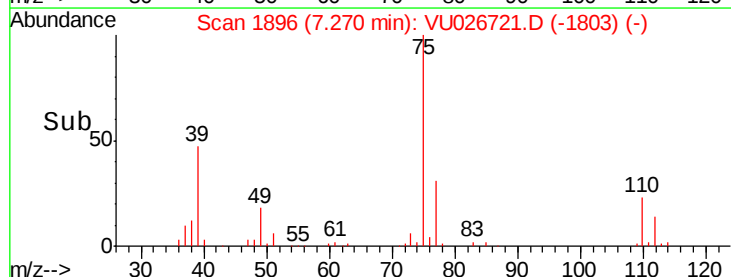
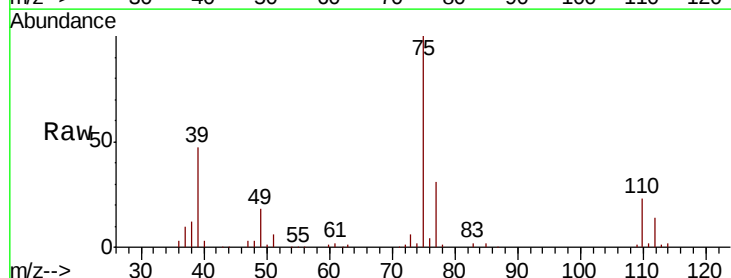
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB

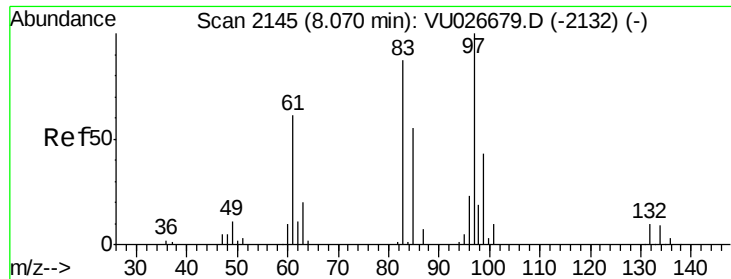
Tgt Ion: 75 Resp: 114691
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.2 37.8



#54
 cis-1,3-Dichloropropene
 Concen: 50.882 ug/l
 RT: 7.27 min Scan# 1896
 Delta R.T. 0.00 min
 Lab File: VU026721.D
 Acq: 13 Sep 2018 08:41

Tgt Ion: 75 Resp: 123886
 Ion Ratio Lower Upper
 75 100
 77 30.6 25.5 38.3
 39 46.8 37.0 55.6

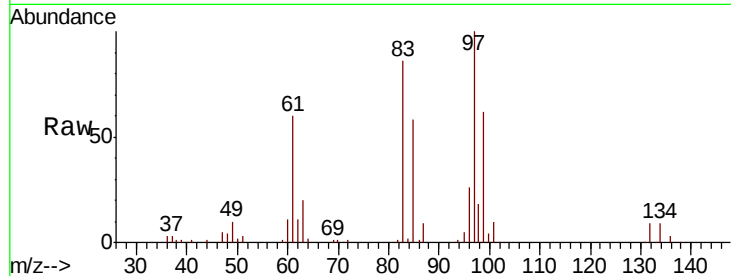




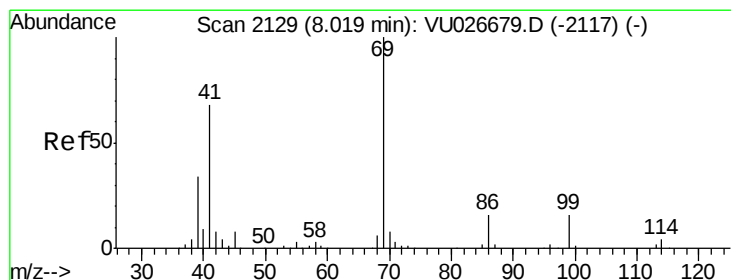
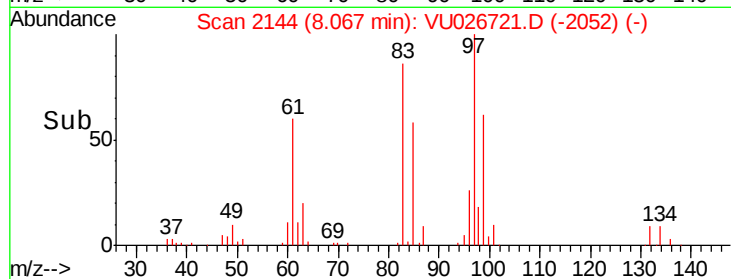
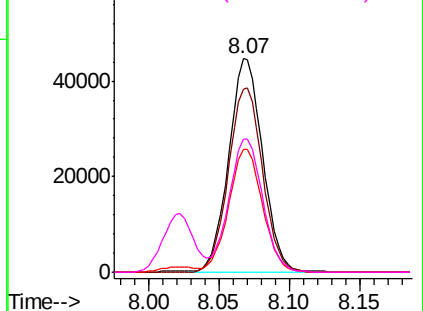
#55
 1,1,2-Trichloroethane
 Concen: 49.855 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. -0.00 min
 Lab File: VU026721.D
 Acq: 13 Sep 2018 08:41

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB

Tgt Ion:	97	Resp:	75296
Ion	Ratio	Lower	Upper
97	100		
83	85.8	69.3	103.9
85	57.7	45.9	68.9
99	62.4	50.1	75.1

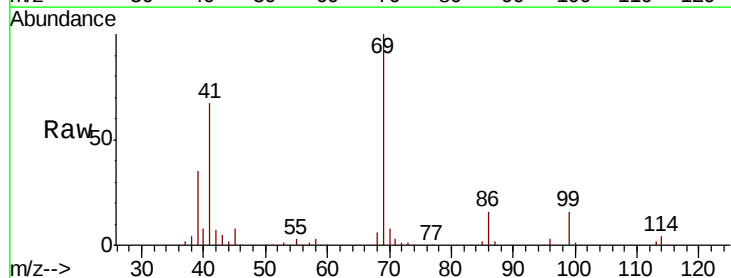


Abundance Ion 96.90 (96.60 to 97.60): VU0
 Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 98.90 (98.60 to 99.60): VU0

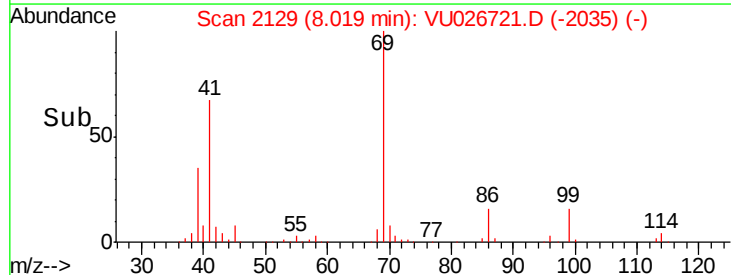
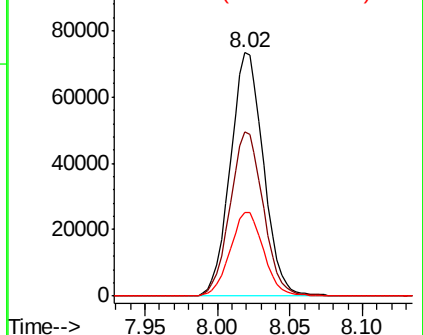


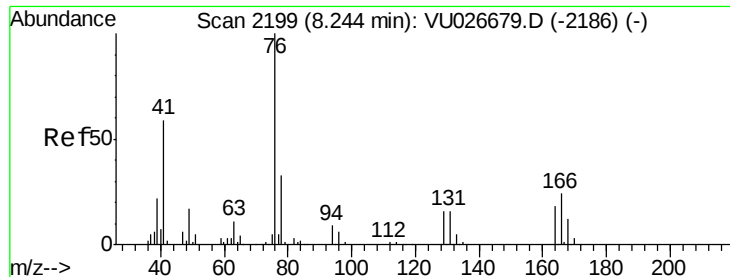
#56
 Ethyl methacrylate
 Concen: 45.815 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU026721.D
 Acq: 13 Sep 2018 08:41

Tgt Ion:	69	Resp:	115921
Ion	Ratio	Lower	Upper
69	100		
41	67.9	54.2	81.2
39	35.0	28.4	42.6



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

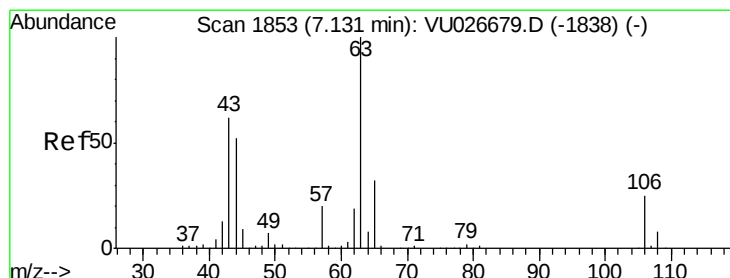
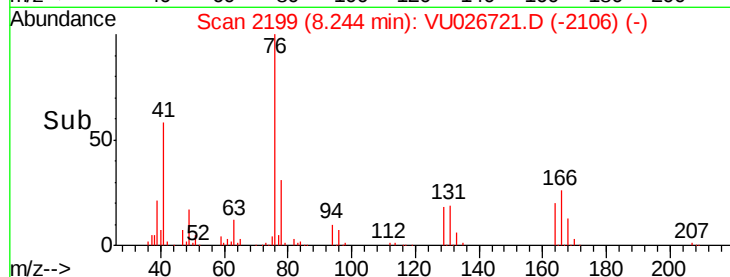
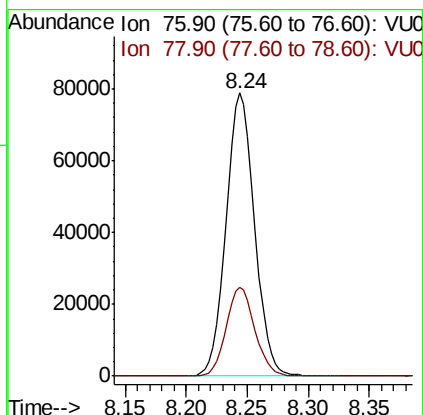
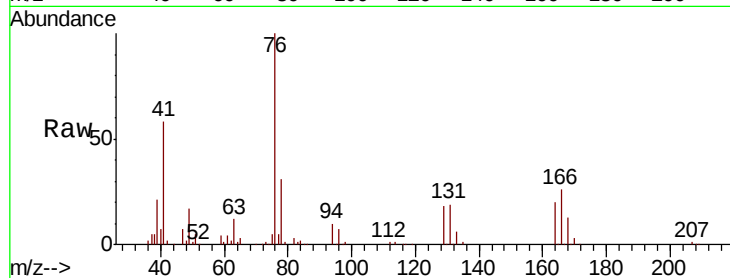




#57
 1,3-Dichloropropane
 Concen: 50.125 ug/l
 RT: 8.24 min Scan# 2199
 Delta R.T. 0.00 min
 Lab File: VU026721.D
 Acq: 13 Sep 2018 08:41

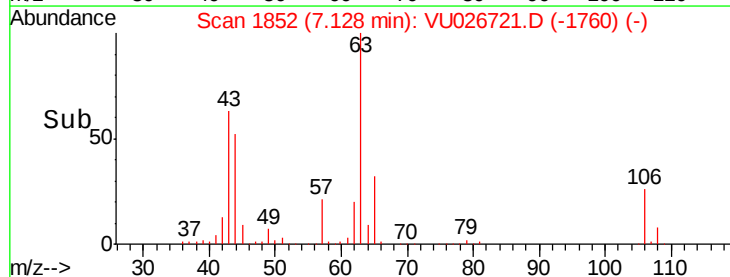
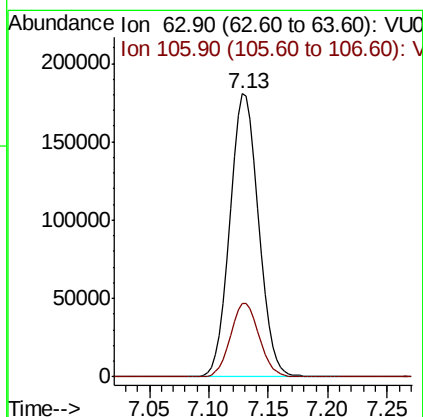
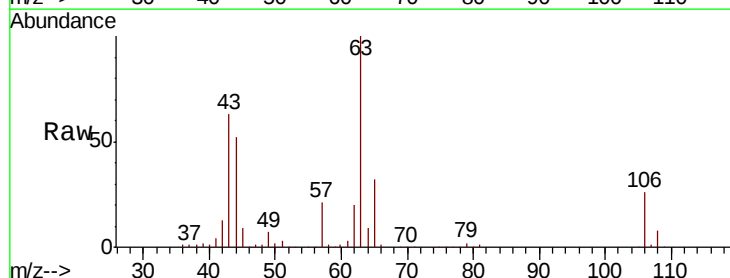
Instrument :
 MSVOA_U
 ClientSampled :
 BFB

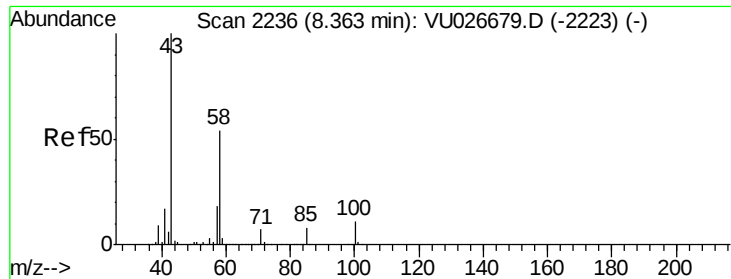
Tgt Ion: 76 Resp: 129032
 Ion Ratio Lower Upper
 76 100
 78 31.4 26.0 39.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 249.955 ug/l
 RT: 7.13 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VU026721.D
 Acq: 13 Sep 2018 08:41

Tgt Ion: 63 Resp: 302829
 Ion Ratio Lower Upper
 63 100
 106 26.0 20.5 30.7

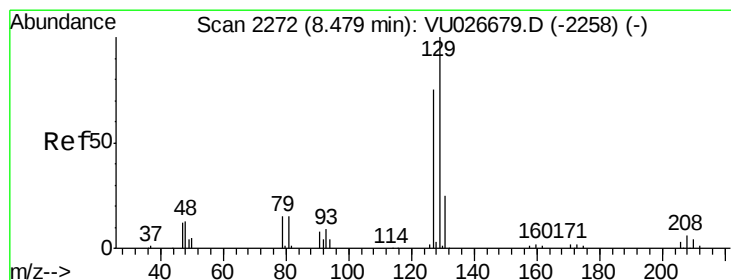
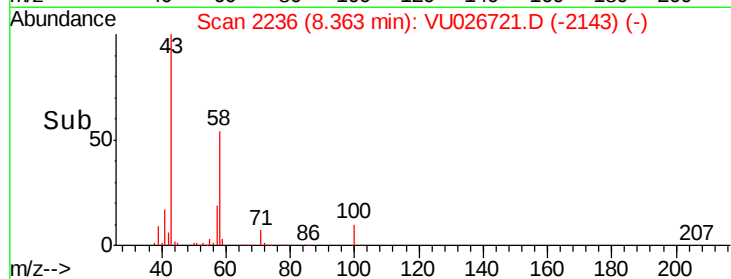
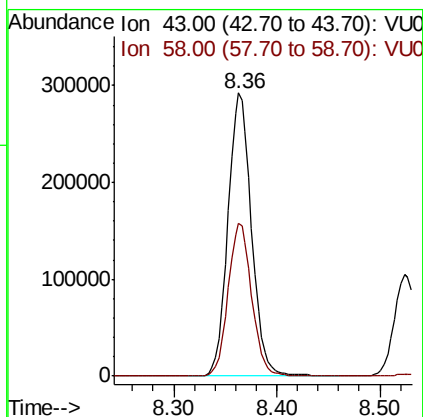
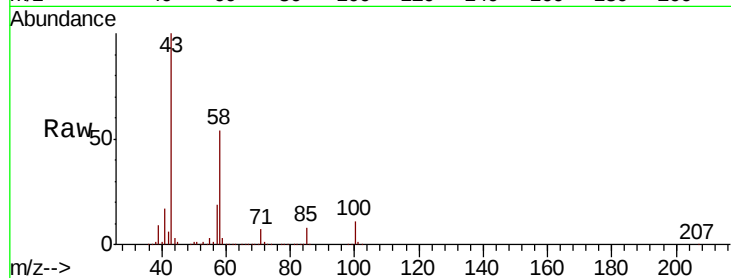




#59
2-Hexanone
Concen: 252.856 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. 0.00 min
Lab File: VU026721.D
Acq: 13 Sep 2018 08:41

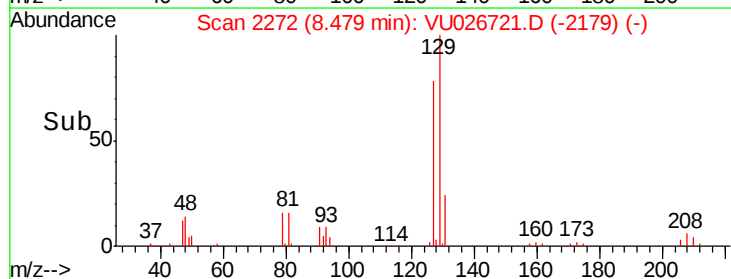
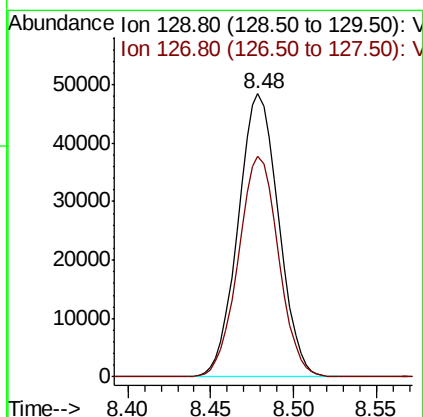
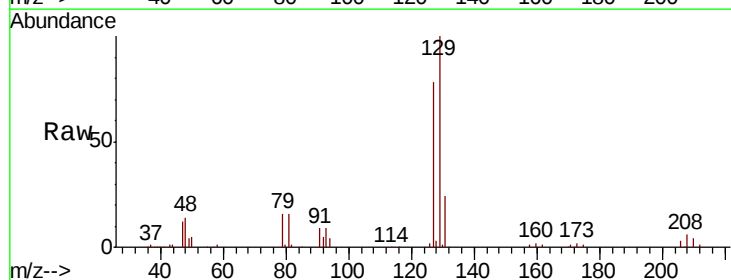
Instrument :
MSVOA_U
ClientSampleId :
BFB

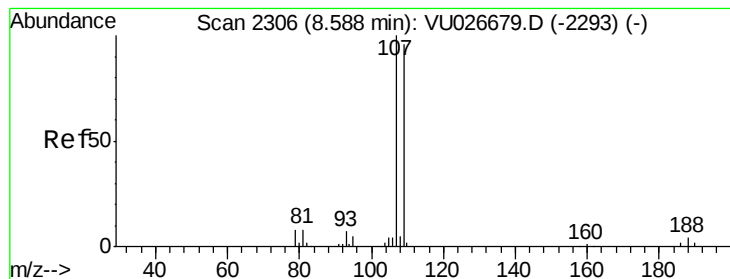
Tgt Ion: 43 Resp: 464426
Ion Ratio Lower Upper
43 100
58 54.0 26.9 80.7



#60
Dibromochloromethane
Concen: 50.340 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VU026721.D
Acq: 13 Sep 2018 08:41

Tgt Ion: 129 Resp: 82341
Ion Ratio Lower Upper
129 100
127 77.4 38.3 114.9





#61

1,2-Dibromoethane

Concen: 49.040 ug/l

RT: 8.59 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VU026721.D

Acq: 13 Sep 2018 08:41

Instrument :

MSVOA_U

ClientSampled :

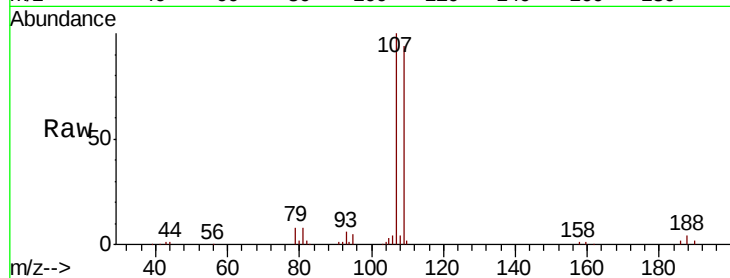
BFB

Tgt Ion: 107 Resp: 80363

Ion Ratio Lower Upper

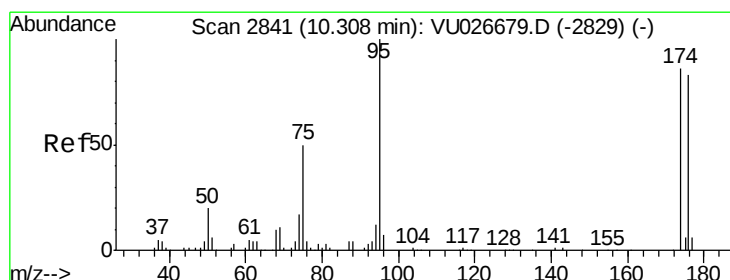
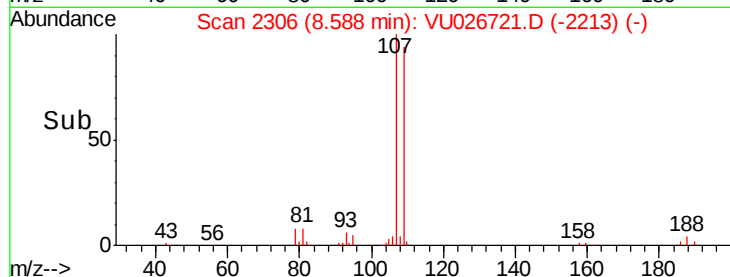
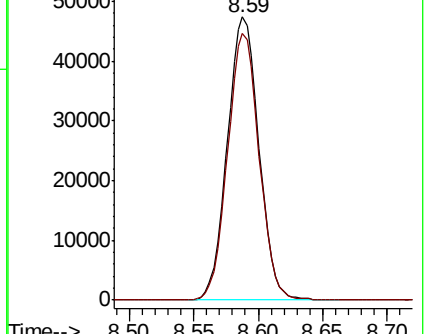
107 100

109 94.2 75.7 113.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.908 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU026721.D

Acq: 13 Sep 2018 08:41

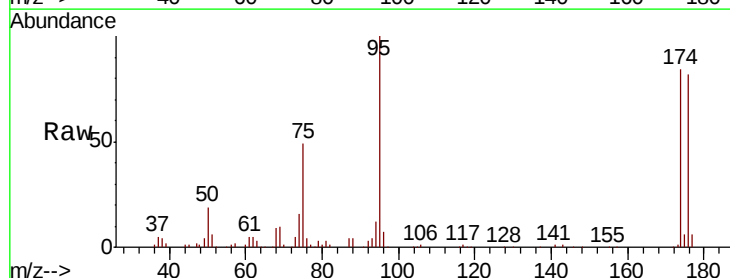
Tgt Ion: 95 Resp: 90762

Ion Ratio Lower Upper

95 100

174 85.6 0.0 172.8

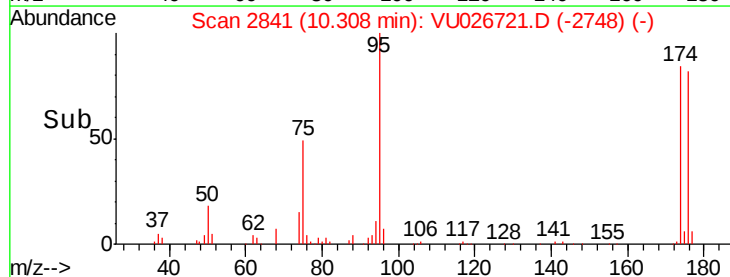
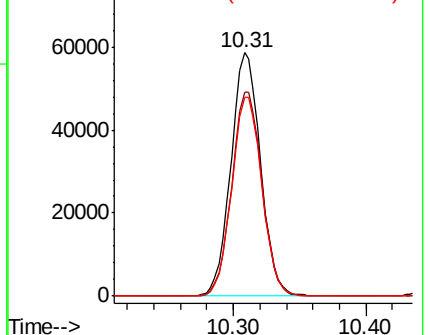
176 83.2 0.0 168.6

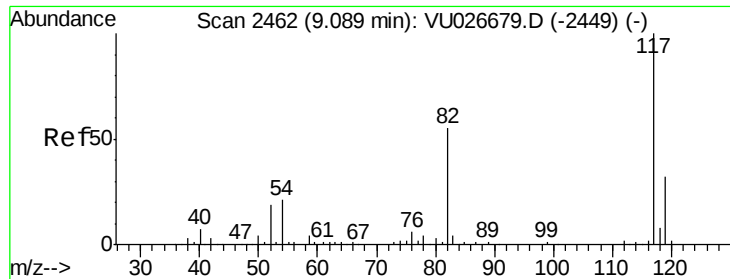


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

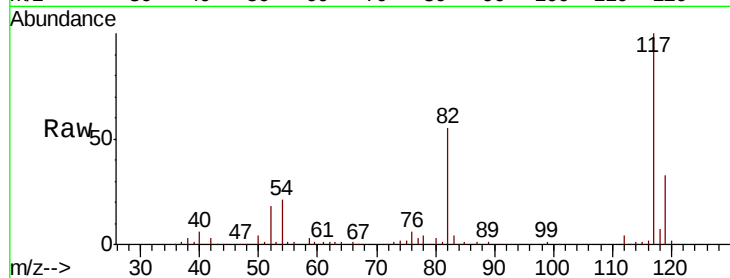




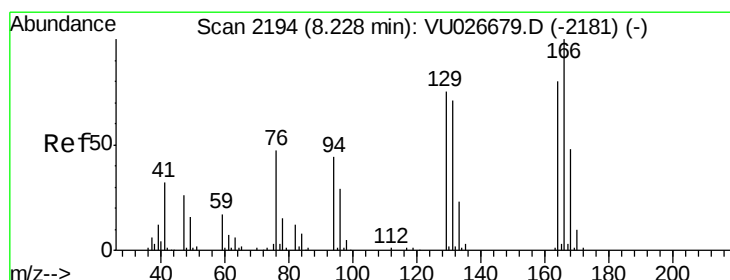
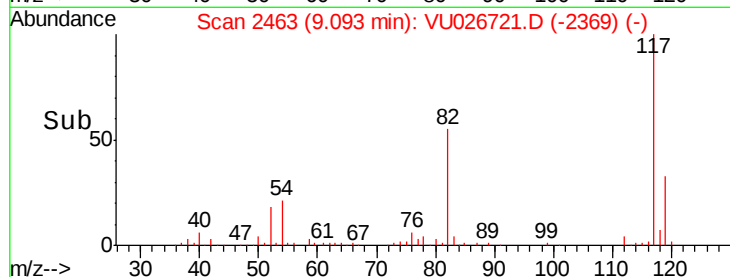
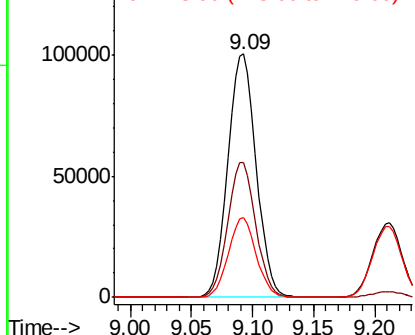
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2463
Delta R.T. 0.00 min
Lab File: VU026721.D
Acq: 13 Sep 2018 08:41

Instrument :
MSVOA_U
ClientSampleId :
BFB

Tgt Ion:117 Resp: 163128
Ion Ratio Lower Upper
117 100
82 55.2 44.1 66.1
119 32.6 25.7 38.5

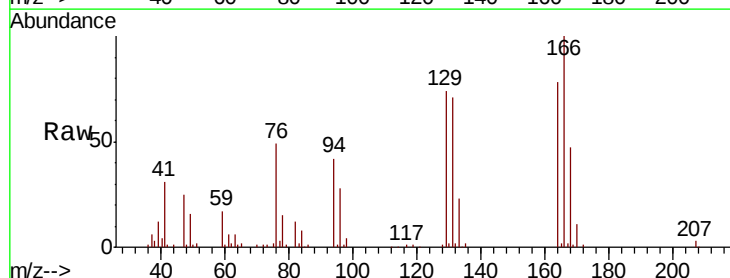


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

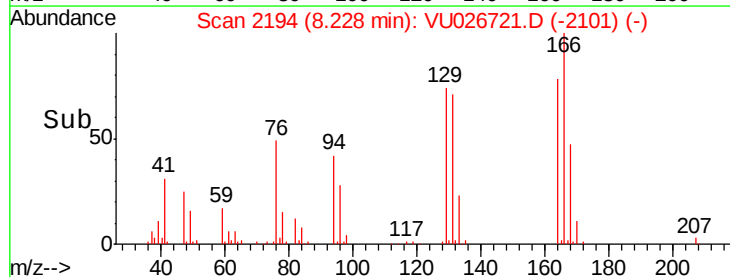
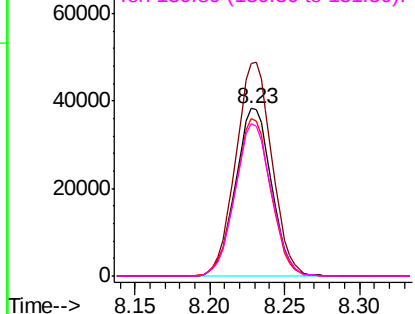


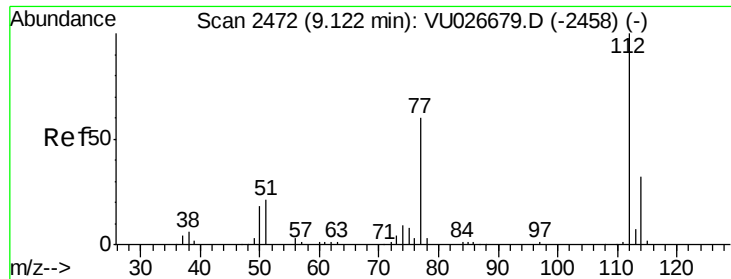
#64
Tetrachloroethene
Concen: 49.338 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU026721.D
Acq: 13 Sep 2018 08:41

Tgt Ion:164 Resp: 64059
Ion Ratio Lower Upper
164 100
166 127.4 100.5 150.7
129 94.0 75.3 112.9
131 90.8 71.4 107.2



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

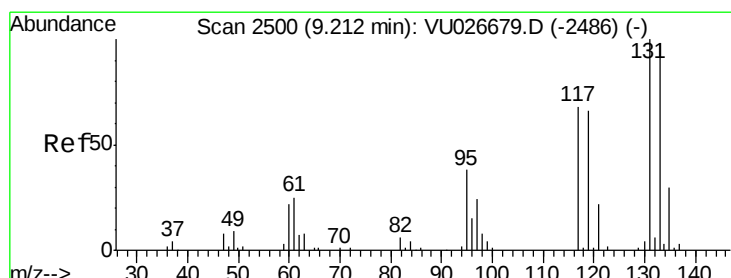
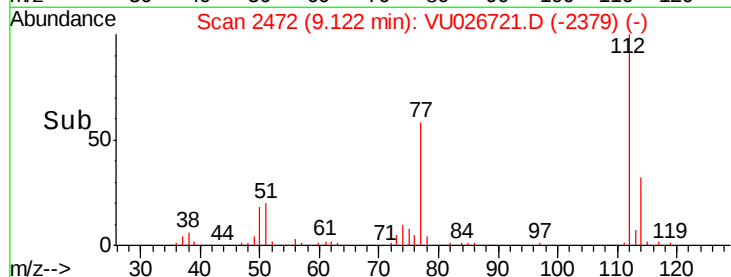
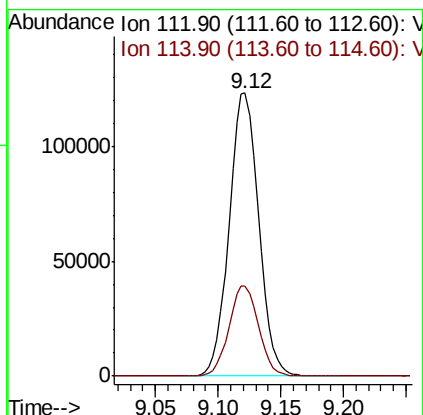
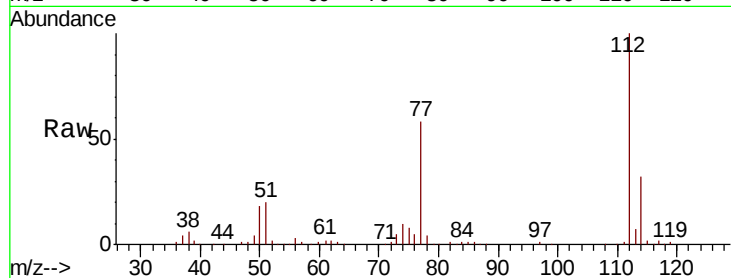




#65
Chlorobenzene
Concen: 49.740 ug/l
RT: 9.12 min Scan# 2472
Delta R.T. 0.00 min
Lab File: VU026721.D
Acq: 13 Sep 2018 08:41

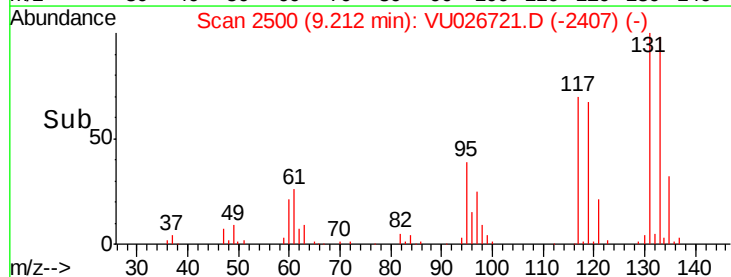
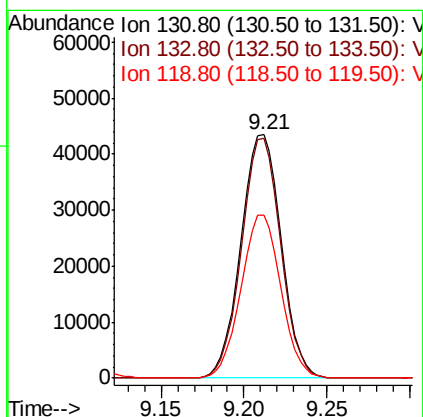
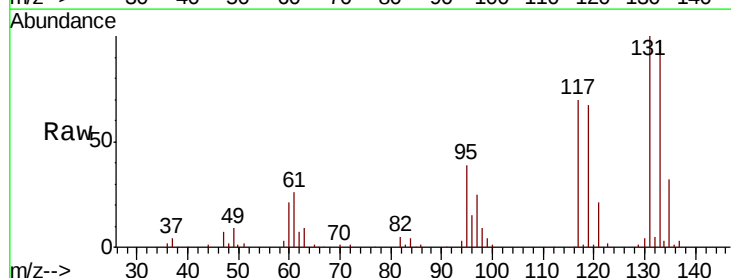
Instrument :
MSVOA_U
ClientSampled :
BFB

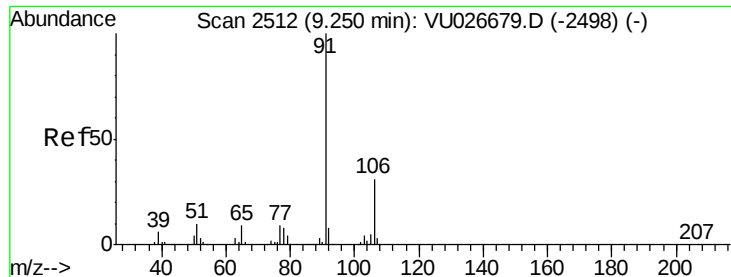
Tgt Ion:112 Resp: 201587
Ion Ratio Lower Upper
112 100
114 31.9 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 49.513 ug/l
RT: 9.21 min Scan# 2500
Delta R.T. 0.00 min
Lab File: VU026721.D
Acq: 13 Sep 2018 08:41

Tgt Ion:131 Resp: 73833
Ion Ratio Lower Upper
131 100
133 95.7 48.9 146.6
119 66.1 32.7 98.1

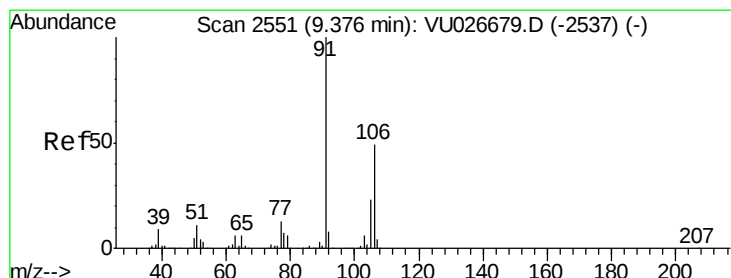
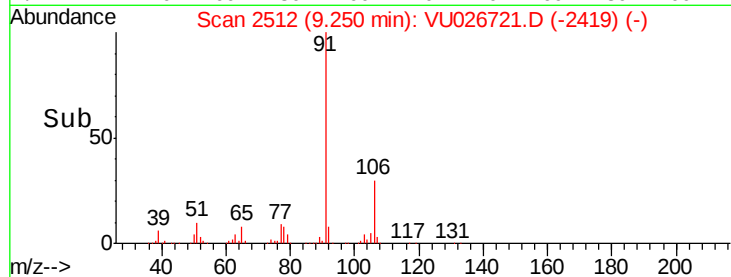
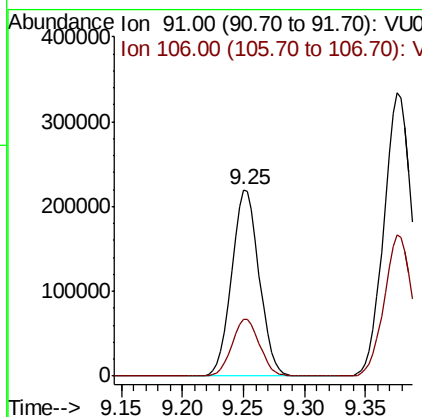
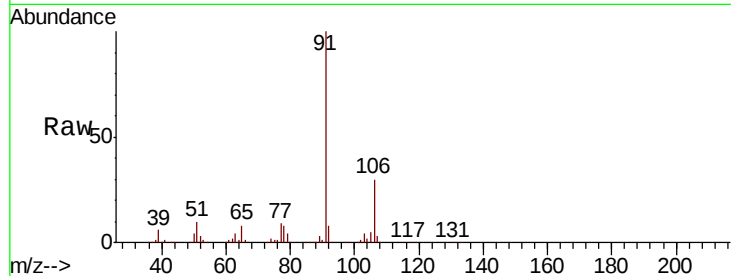




#67
Ethyl Benzene
Concen: 51.752 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU026721.D
Acq: 13 Sep 2018 08:41

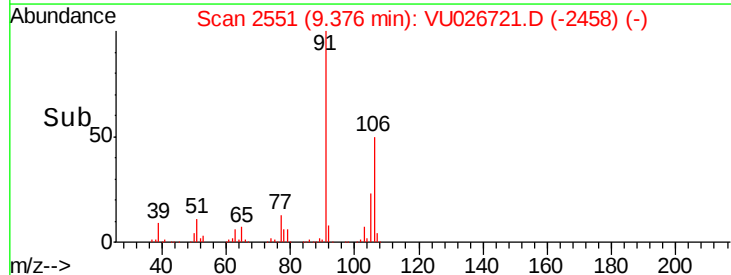
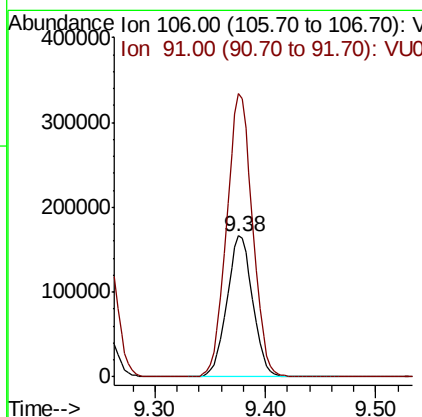
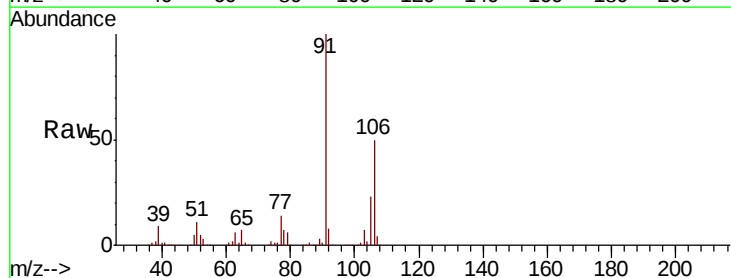
Instrument :
MSVOA_U
ClientSampleId :
BFB

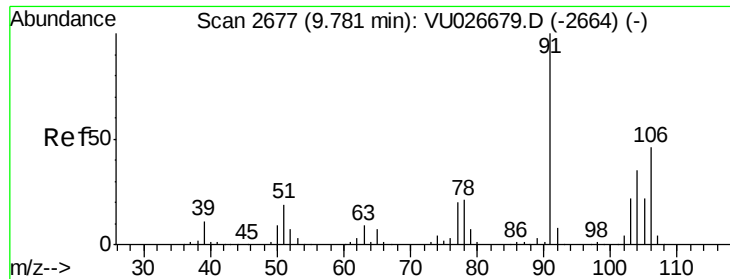
Tgt Ion: 91 Resp: 345508
Ion Ratio Lower Upper
91 100
106 30.5 25.0 37.4



#68
m/p-Xylenes
Concen: 105.967 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU026721.D
Acq: 13 Sep 2018 08:41

Tgt Ion: 106 Resp: 269120
Ion Ratio Lower Upper
106 100
91 201.5 162.1 243.1

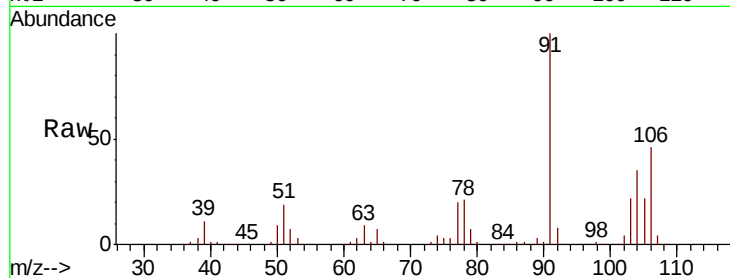




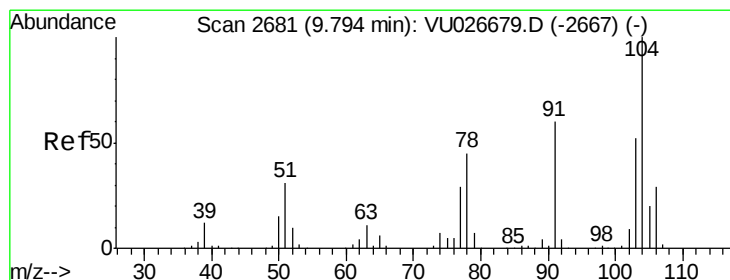
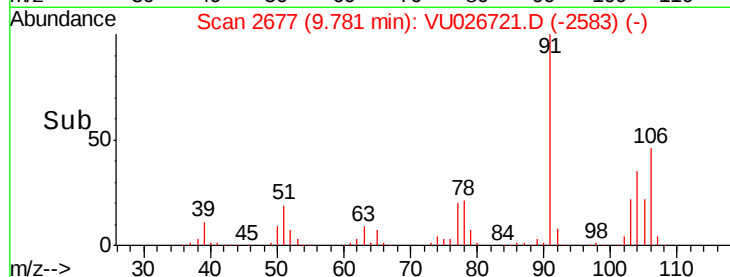
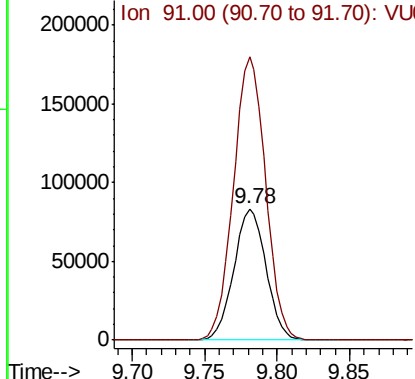
#69
o-Xylene
Concen: 47.441 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU026721.D
Acq: 13 Sep 2018 08:41

Instrument :
MSVOA_U
ClientSampled :
BFB

Tgt Ion:106 Resp: 128550
Ion Ratio Lower Upper
106 100
91 215.7 106.9 320.8

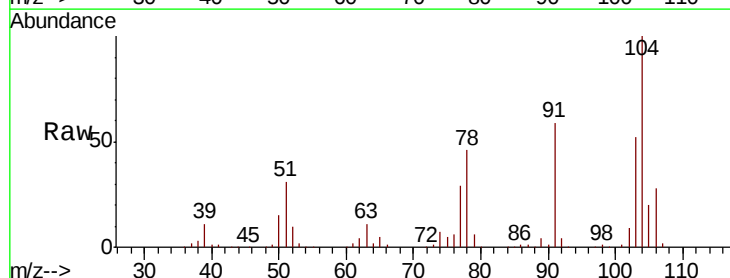


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

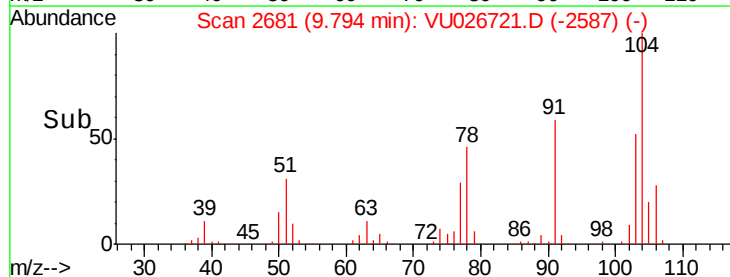
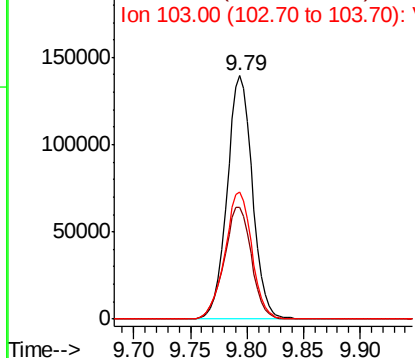


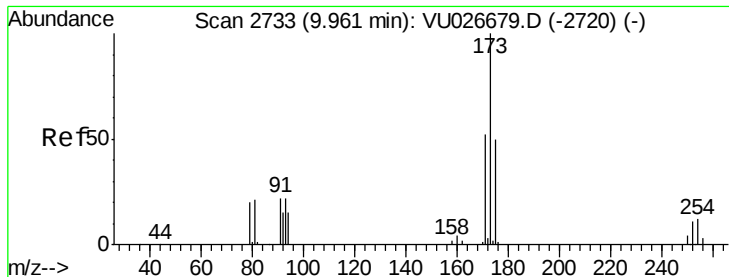
#70
Styrene
Concen: 47.457 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU026721.D
Acq: 13 Sep 2018 08:41

Tgt Ion:104 Resp: 216475
Ion Ratio Lower Upper
104 100
78 50.0 39.4 59.2
103 55.6 44.5 66.7



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





#71

Bromoform

Concen: 52.012 ug/l

RT: 9.96 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU026721.D

Acq: 13 Sep 2018 08:41

Instrument :

MSVOA_U

ClientSampled :

BFB

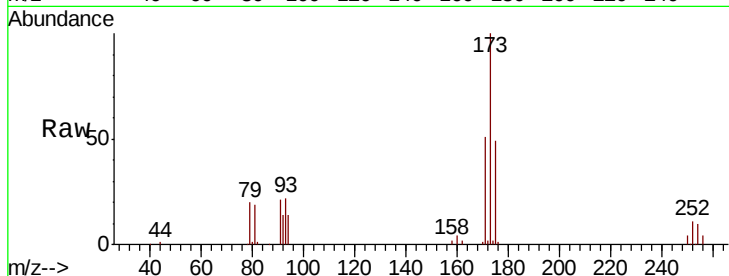
Tgt Ion:173 Resp: 67455

Ion Ratio Lower Upper

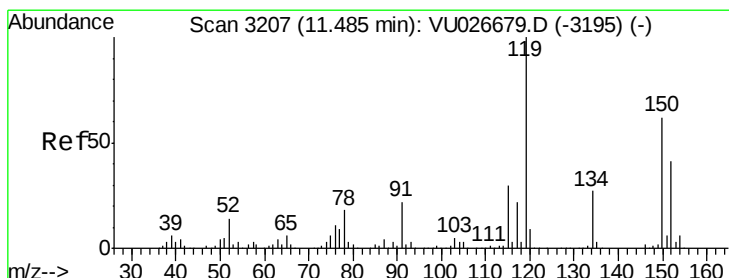
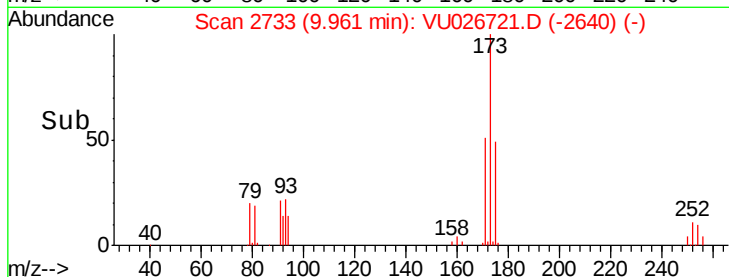
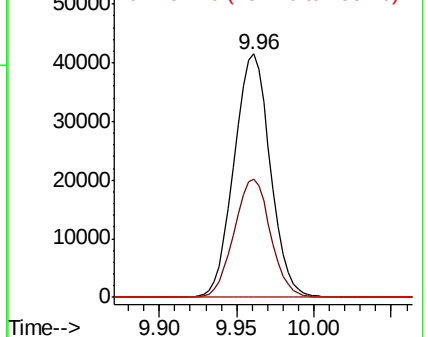
173 100

175 48.7 24.7 74.1

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: VU026721.D

Acq: 13 Sep 2018 08:41

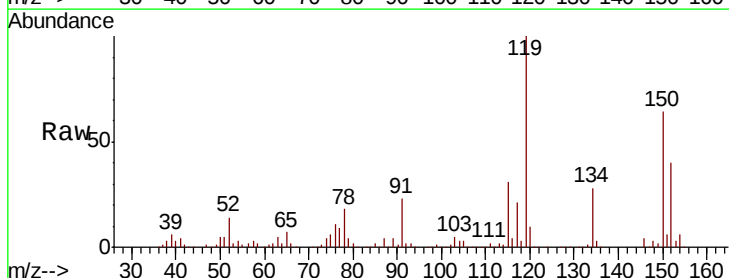
Tgt Ion:152 Resp: 98849

Ion Ratio Lower Upper

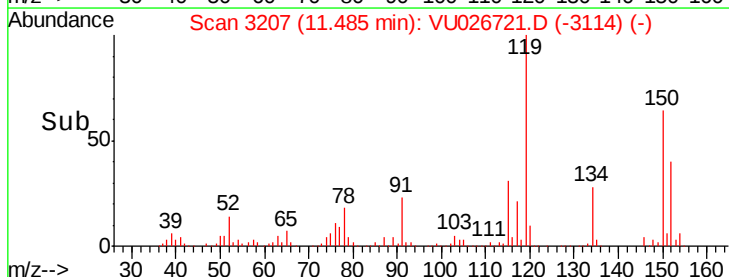
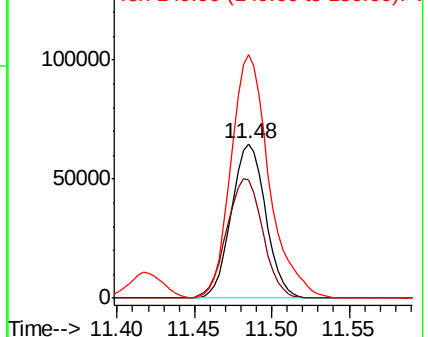
152 100

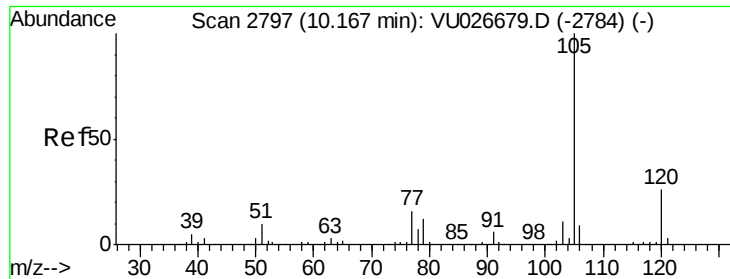
115 82.5 40.4 121.1

150 176.2 0.0 345.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.582 ug/l

RT: 10.17 min Scan# 2798

Delta R.T. 0.00 min

Lab File: VU026721.D

Acq: 13 Sep 2018 08:41

Instrument :

MSVOA_U

ClientSampleId :

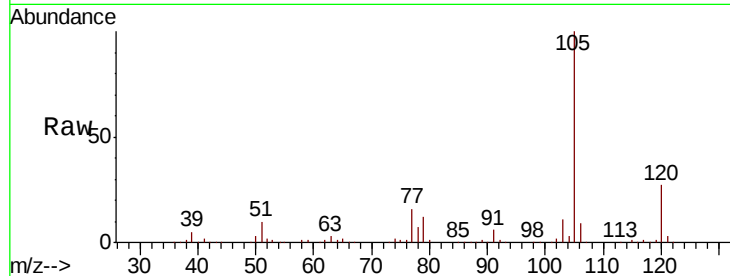
BFB

Tgt Ion: 105 Resp: 347453

Ion Ratio Lower Upper

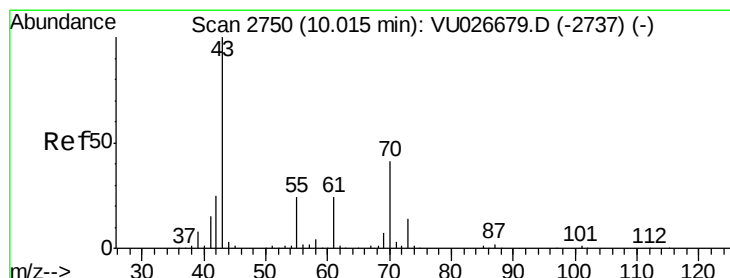
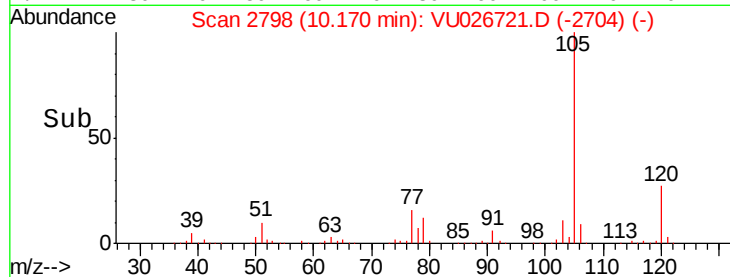
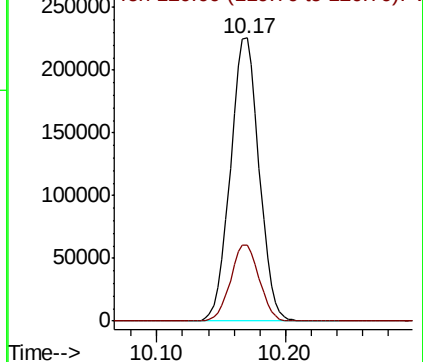
105 100

120 27.1 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 51.667 ug/l

RT: 10.02 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VU026721.D

Acq: 13 Sep 2018 08:41

Tgt Ion: 43 Resp: 164308

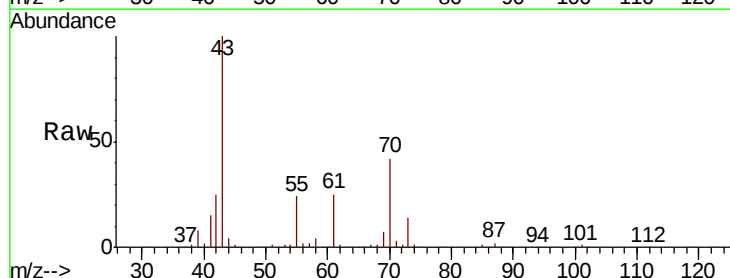
Ion Ratio Lower Upper

43 100

70 40.9 32.6 48.8

55 24.1 19.1 28.7

61 24.3 19.4 29.0

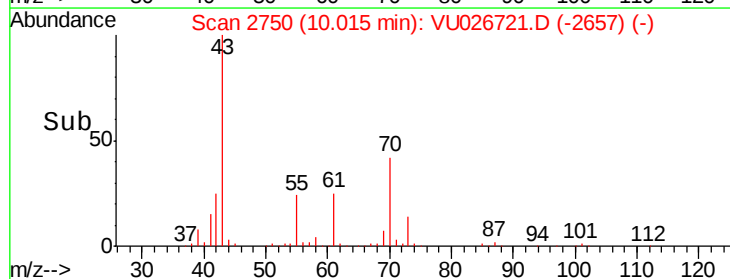
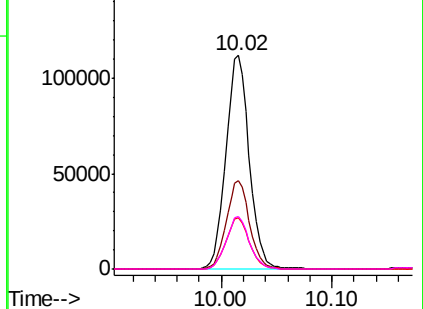


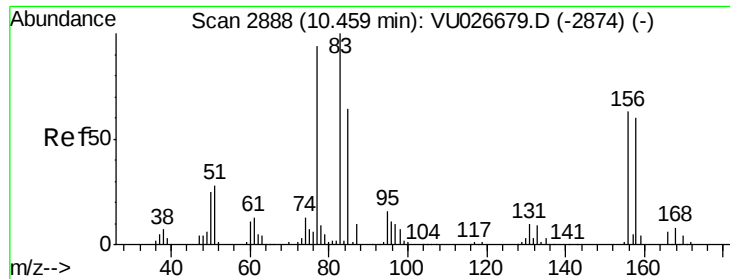
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

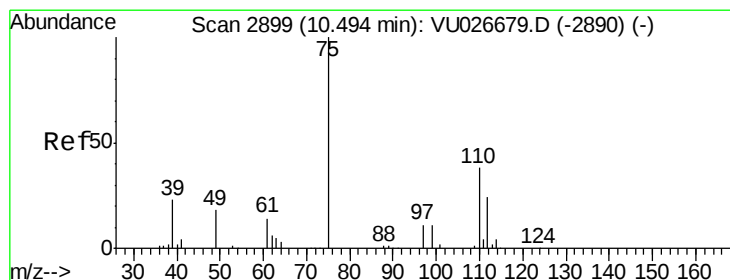
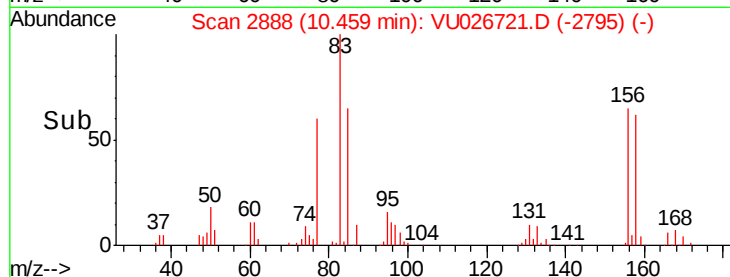
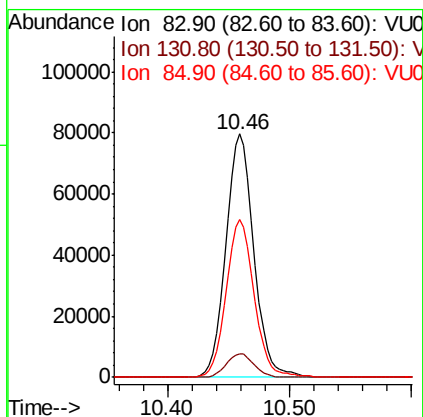
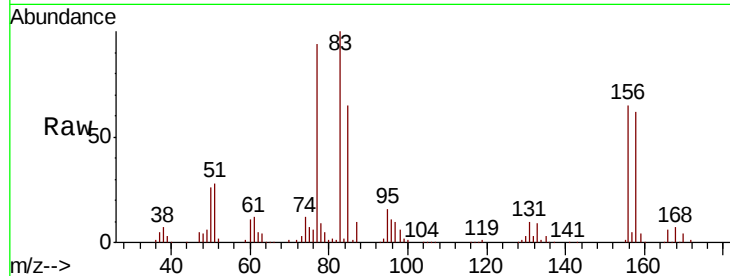




#75
 1,1,2,2-Tetrachloroethane
 Concen: 46.711 ug/l
 RT: 10.46 min Scan# 2888
 Delta R.T. 0.00 min
 Lab File: VU026721.D
 Acq: 13 Sep 2018 08:41

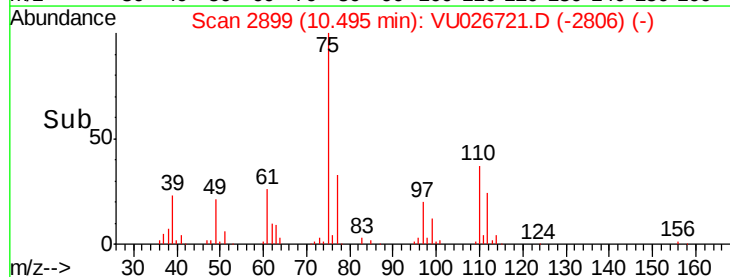
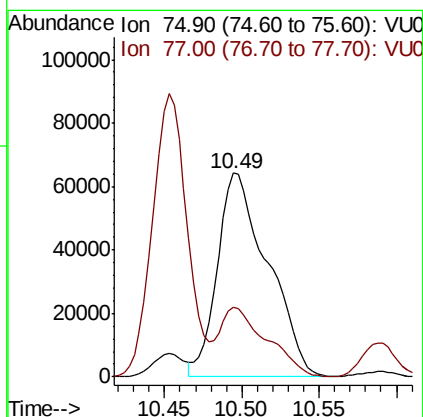
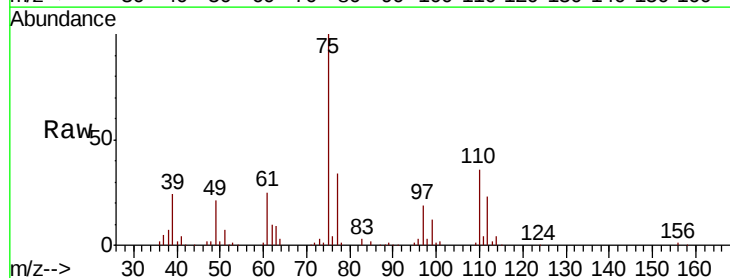
Instrument :
 MSVOA_U
 ClientSampled :
 BFB

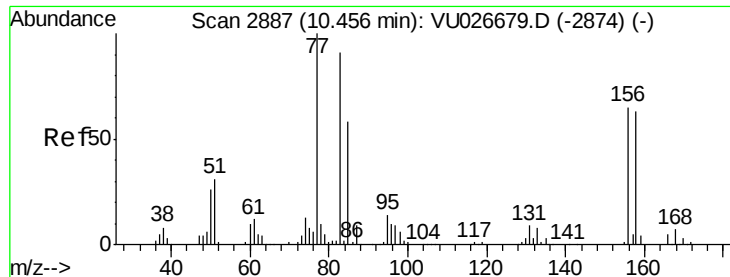
Tgt Ion: 83 Resp: 128231
 Ion Ratio Lower Upper
 83 100
 131 9.6 4.9 14.6
 85 64.9 32.3 96.9



#76
 1,2,3-Trichloropropane
 Concen: 65.961 ug/l
 RT: 10.49 min Scan# 2899
 Delta R.T. 0.00 min
 Lab File: VU026721.D
 Acq: 13 Sep 2018 08:41

Tgt Ion: 75 Resp: 146055
 Ion Ratio Lower Upper
 75 100
 77 30.6 21.1 63.1





#77

Bromobenzene

Concen: 49.668 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. -0.00 min

Lab File: VU026721.D

Acq: 13 Sep 2018 08:41

Instrument :

MSVOA_U

ClientSampleId :

BFB

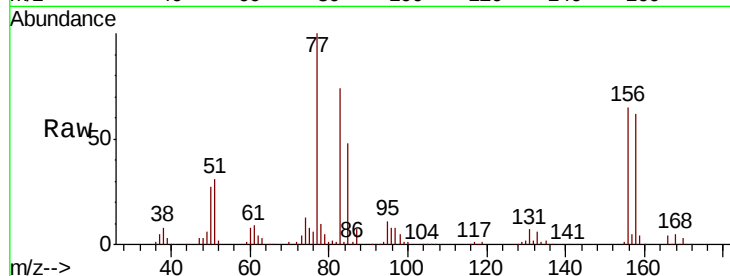
Tgt Ion:156 Resp: 90928

Ion Ratio Lower Upper

156 100

77 153.0 77.6 232.9

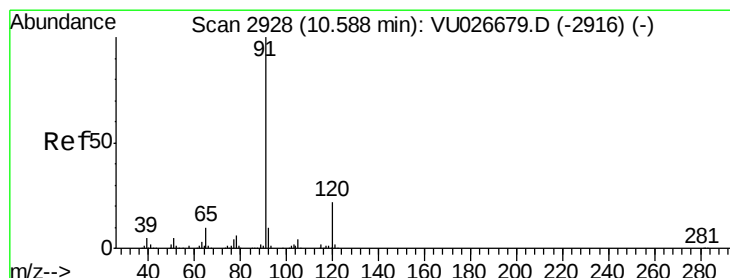
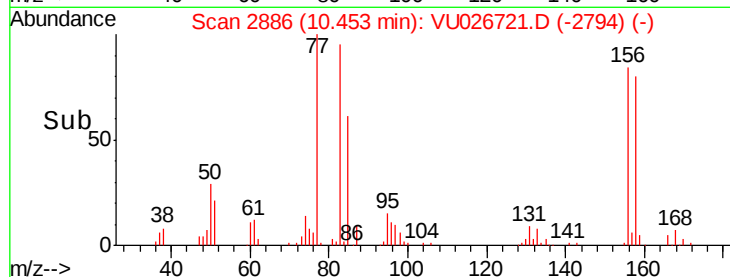
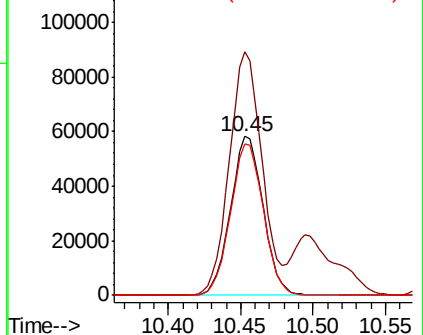
158 96.1 48.9 146.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 53.927 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU026721.D

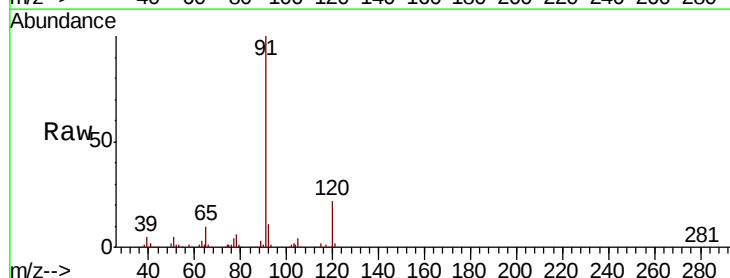
Acq: 13 Sep 2018 08:41

Tgt Ion: 91 Resp: 422488

Ion Ratio Lower Upper

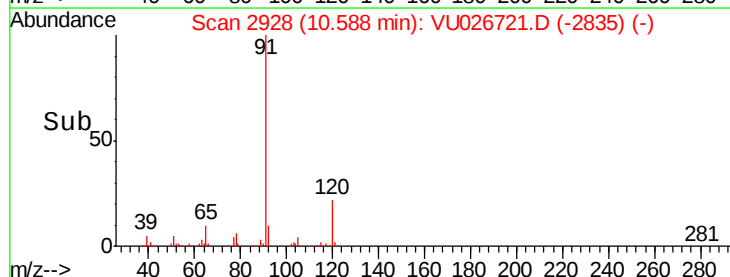
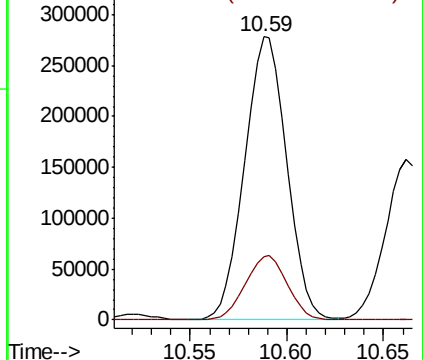
91 100

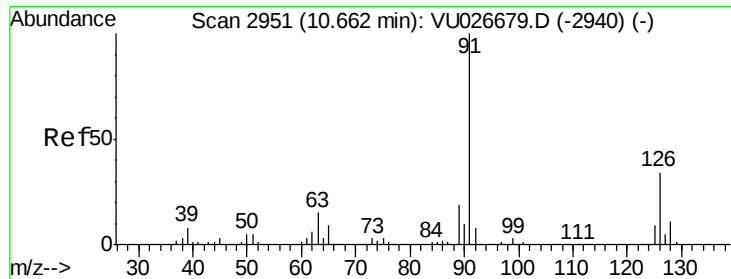
120 22.6 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

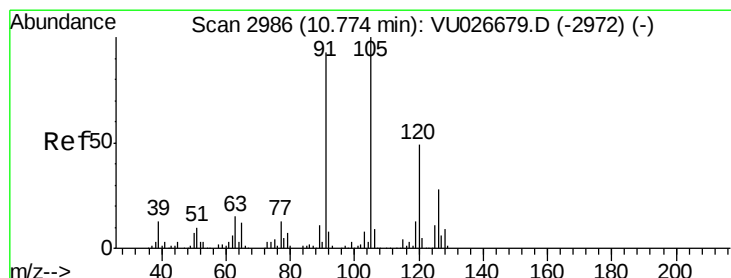
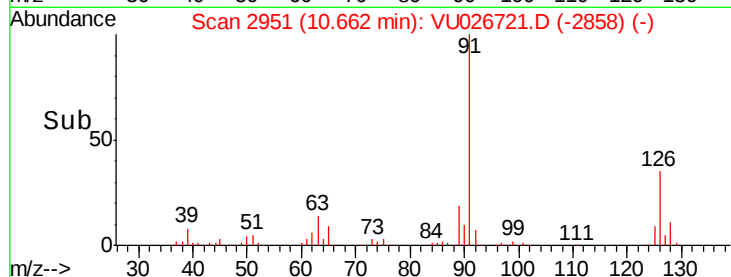
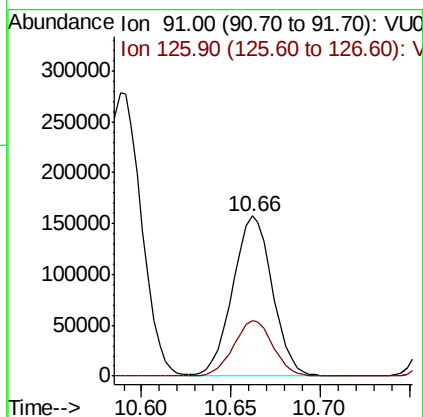
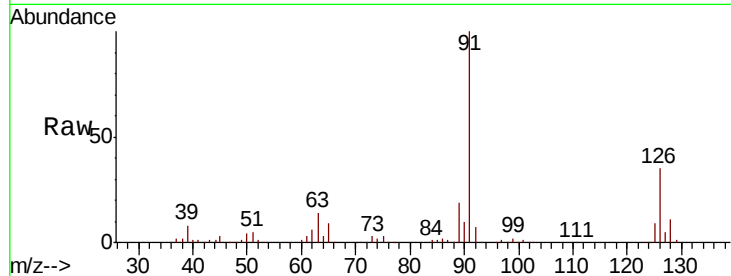




#79
 2-Chlorotoluene
 Concen: 50.233 ug/l
 RT: 10.66 min Scan# 2951
 Delta R.T. 0.00 min
 Lab File: VU026721.D
 Acq: 13 Sep 2018 08:41

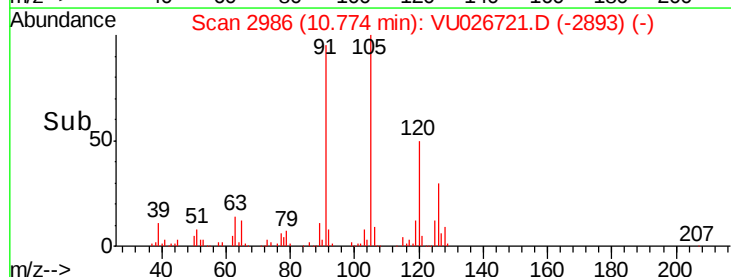
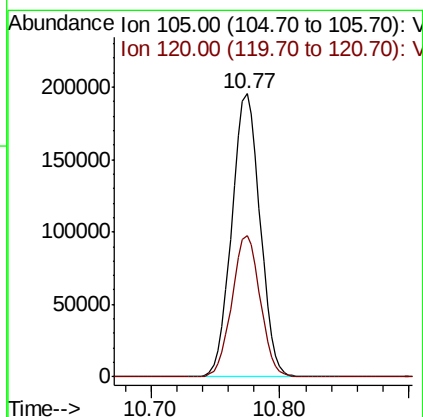
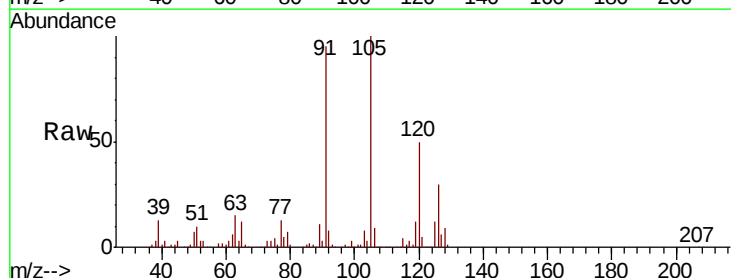
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB

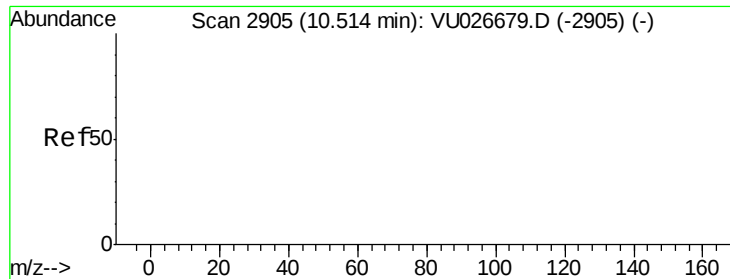
Tgt Ion: 91 Resp: 243960
 Ion Ratio Lower Upper
 91 100
 126 34.6 17.3 51.7



#80
 1,3,5-Trimethylbenzene
 Concen: 52.541 ug/l
 RT: 10.77 min Scan# 2986
 Delta R.T. 0.00 min
 Lab File: VU026721.D
 Acq: 13 Sep 2018 08:41

Tgt Ion: 105 Resp: 297485
 Ion Ratio Lower Upper
 105 100
 120 49.7 24.6 74.0

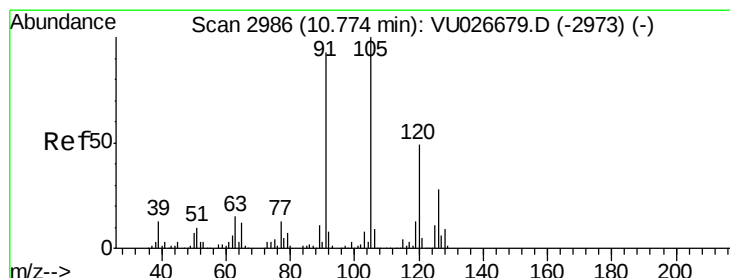
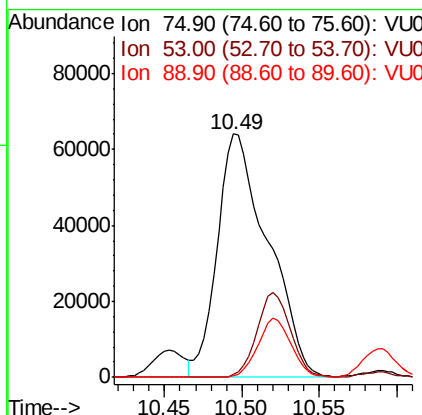
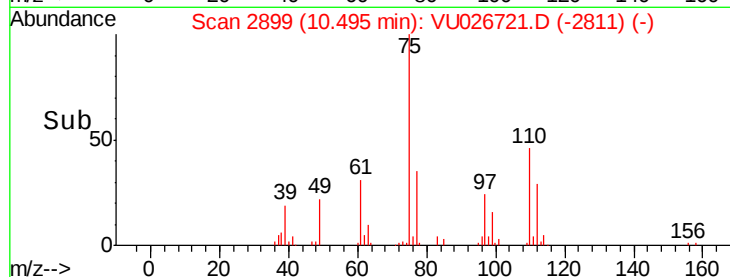
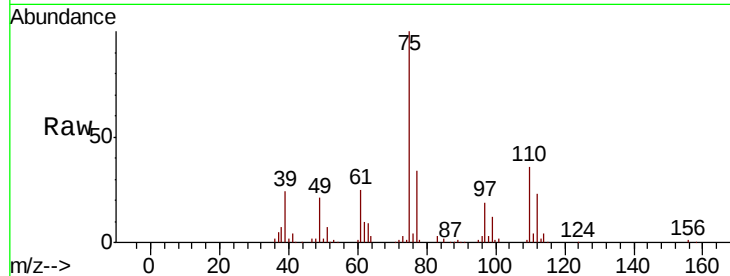




#81
trans-1,4-Dichloro-2-butene
Concen: 143.885 ug/l
RT: 10.49 min Scan# 2899
Delta R.T. -0.02 min
Lab File: VU026721.D
Acq: 13 Sep 2018 08:41

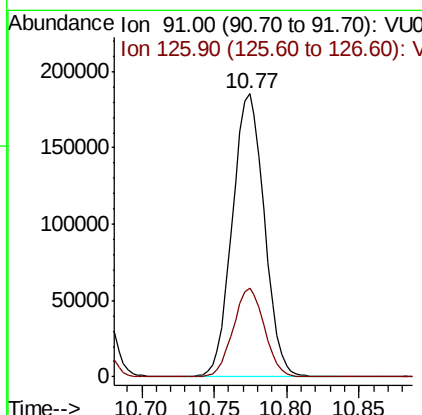
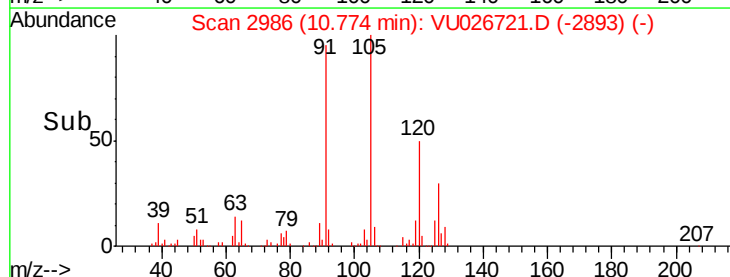
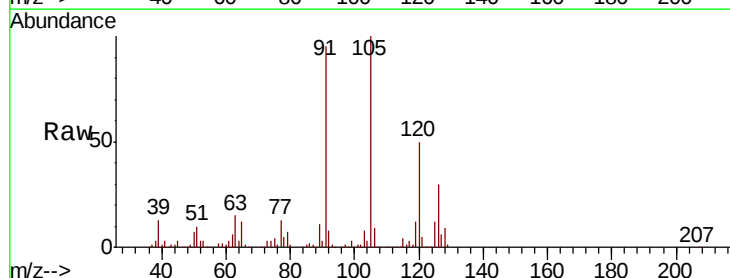
Instrument :
MSVOA_U
ClientSampleId :
BFB

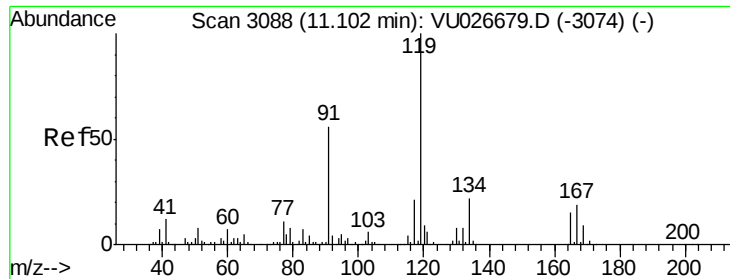
Tgt Ion: 75 Resp: 146055
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#82
4-Chlorotoluene
Concen: 51.863 ug/l
RT: 10.77 min Scan# 2986
Delta R.T. 0.00 min
Lab File: VU026721.D
Acq: 13 Sep 2018 08:41

Tgt Ion: 91 Resp: 282991
Ion Ratio Lower Upper
91 100
126 30.8 15.2 45.5

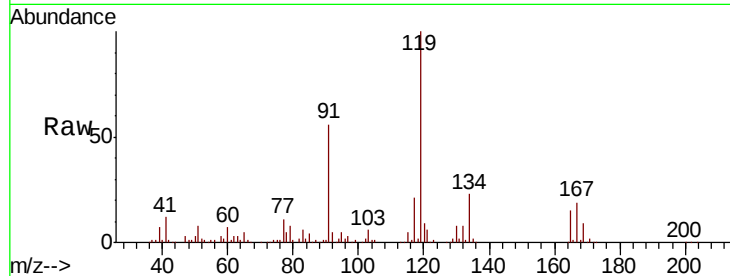




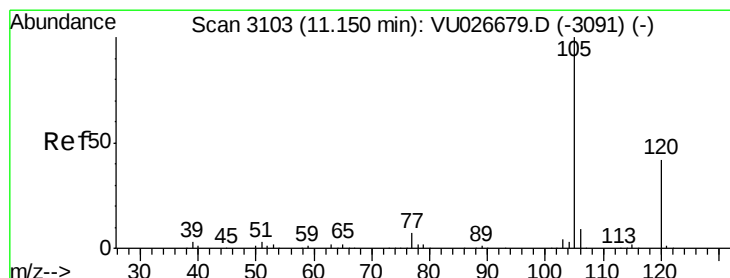
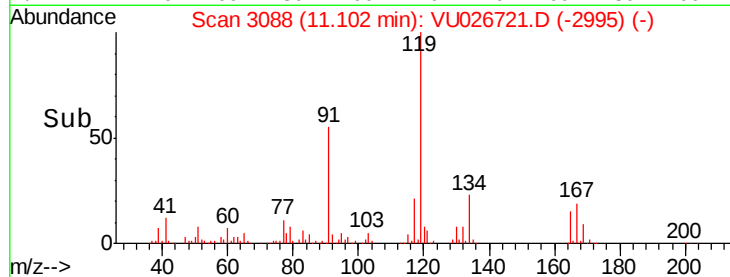
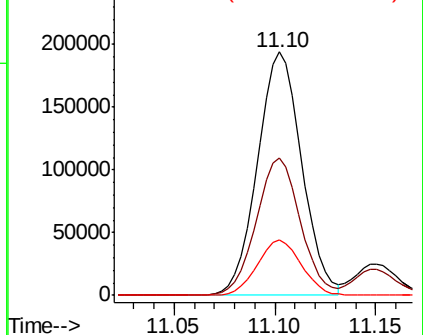
#83
 tert-Butylbenzene
 Concen: 51.635 ug/l
 RT: 11.10 min Scan# 3088
 Delta R.T. 0.00 min
 Lab File: VU026721.D
 Acq: 13 Sep 2018 08:41

Instrument :
 MSVOA_U
 ClientSampled :
 BFB

Tgt Ion:119 Resp: 296694
 Ion Ratio Lower Upper
 119 100
 91 56.4 28.3 85.0
 134 22.6 11.2 33.5

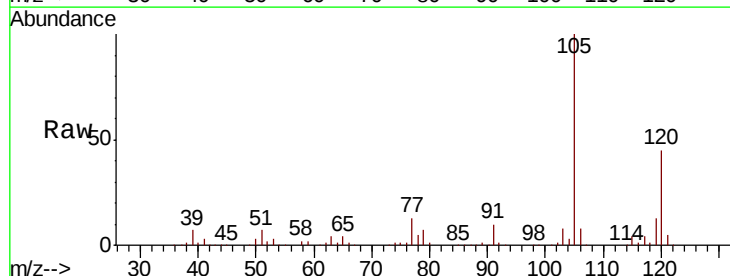


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VU0
 Ion 134.00 (133.70 to 134.70): V

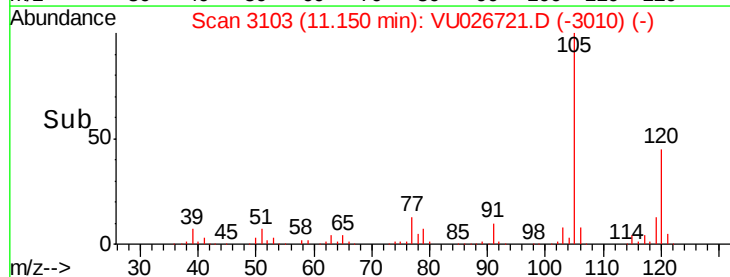
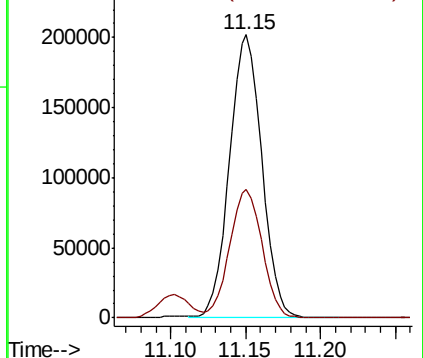


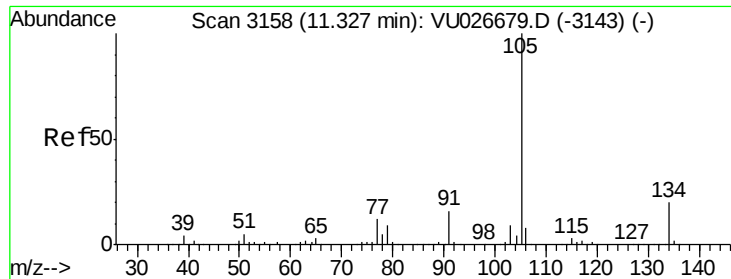
#84
 1,2,4-Trimethylbenzene
 Concen: 53.192 ug/l
 RT: 11.15 min Scan# 3103
 Delta R.T. 0.00 min
 Lab File: VU026721.D
 Acq: 13 Sep 2018 08:41

Tgt Ion:105 Resp: 303764
 Ion Ratio Lower Upper
 105 100
 120 45.7 23.3 69.8



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

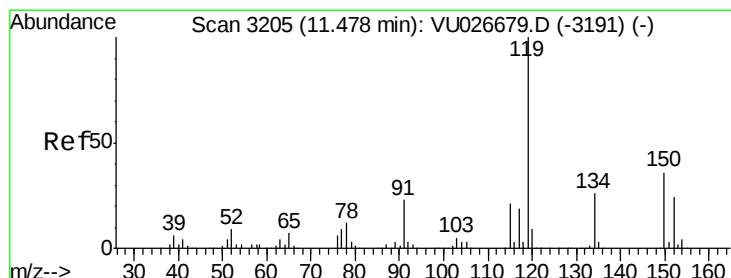
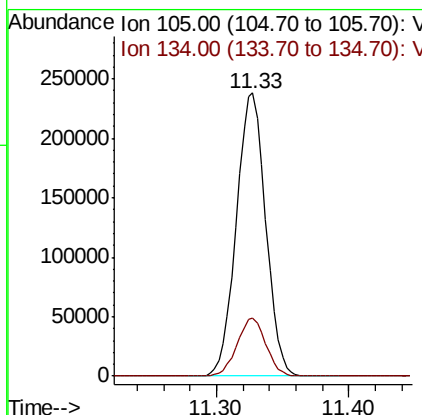
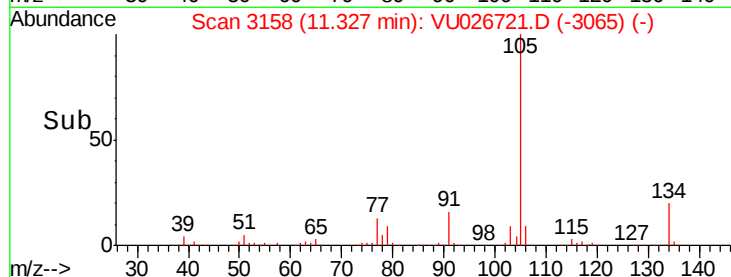
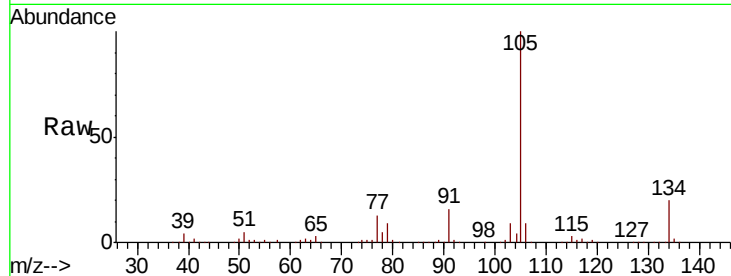




#85
 sec-Butylbenzene
 Concen: 53.583 ug/l
 RT: 11.33 min Scan# 3158
 Delta R.T. 0.00 min
 Lab File: VU026721.D
 Acq: 13 Sep 2018 08:41

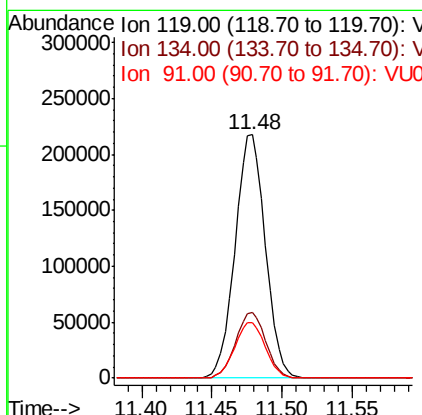
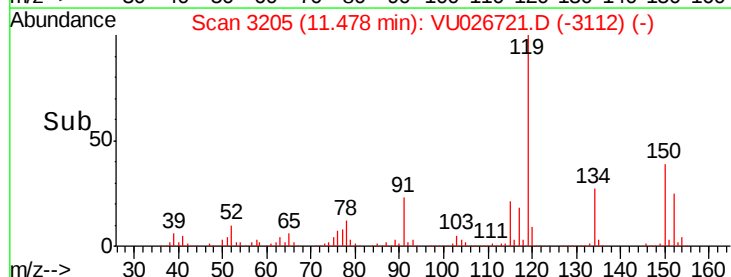
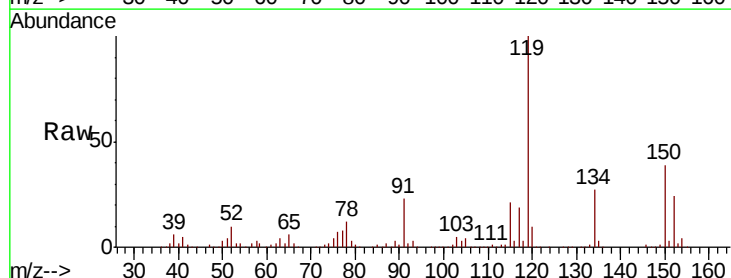
Instrument :
 MSVOA_U
 ClientSampled :
 BFB

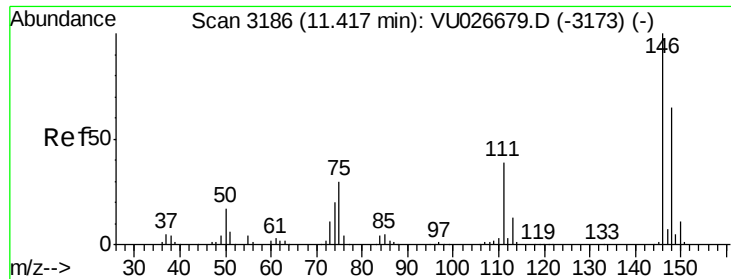
Tgt Ion:105 Resp: 365627
 Ion Ratio Lower Upper
 105 100
 134 20.2 10.1 30.1



#86
 p-Isopropyltoluene
 Concen: 49.748 ug/l
 RT: 11.48 min Scan# 3205
 Delta R.T. 0.00 min
 Lab File: VU026721.D
 Acq: 13 Sep 2018 08:41

Tgt Ion:119 Resp: 326305
 Ion Ratio Lower Upper
 119 100
 134 26.9 13.2 39.5
 91 23.3 11.6 34.8

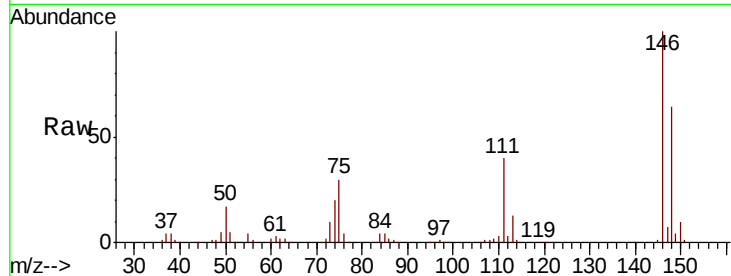




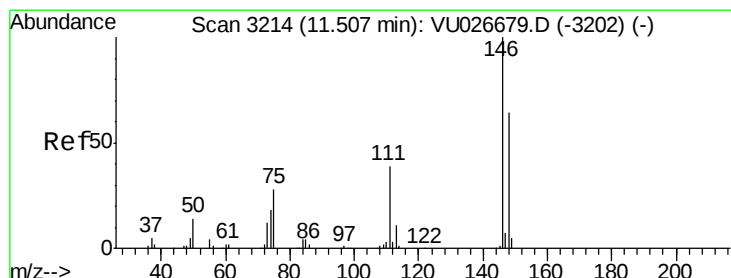
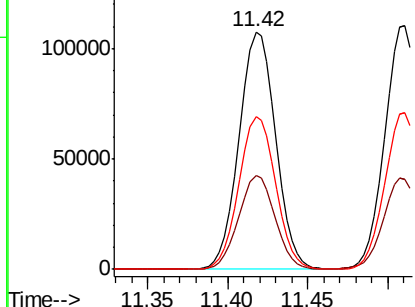
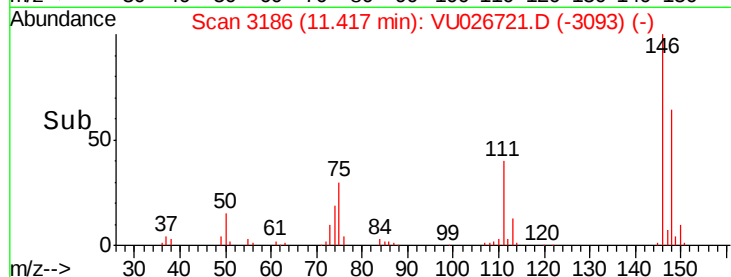
#87
 1,3-Dichlorobenzene
 Concen: 48.956 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU026721.D
 Acq: 13 Sep 2018 08:41

Instrument :
 MSVOA_U
 ClientSampled :
 BFB

Tgt Ion:146 Resp: 167201
 Ion Ratio Lower Upper
 146 100
 111 39.2 19.7 59.1
 148 64.6 32.1 96.3

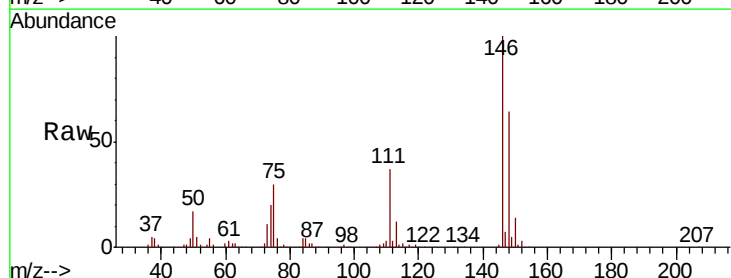


Abundance Ion 145.90 (145.60 to 146.60): V
 150000 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

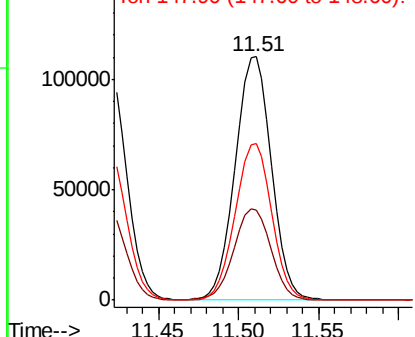
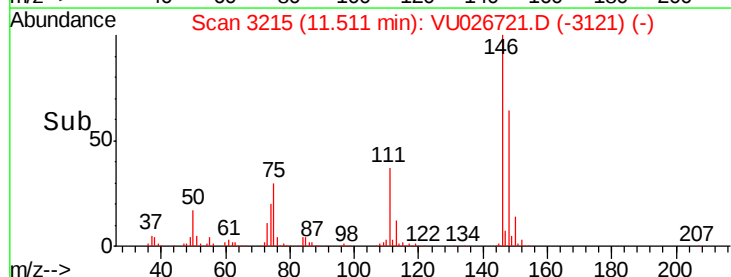


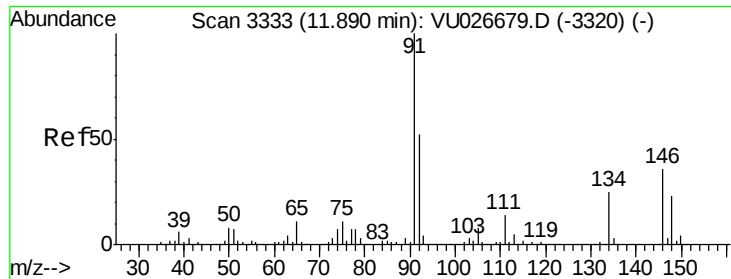
#88
 1,4-Dichlorobenzene
 Concen: 47.714 ug/l
 RT: 11.51 min Scan# 3215
 Delta R.T. 0.00 min
 Lab File: VU026721.D
 Acq: 13 Sep 2018 08:41

Tgt Ion:146 Resp: 169239
 Ion Ratio Lower Upper
 146 100
 111 38.8 19.2 57.6
 148 64.9 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V
 150000 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

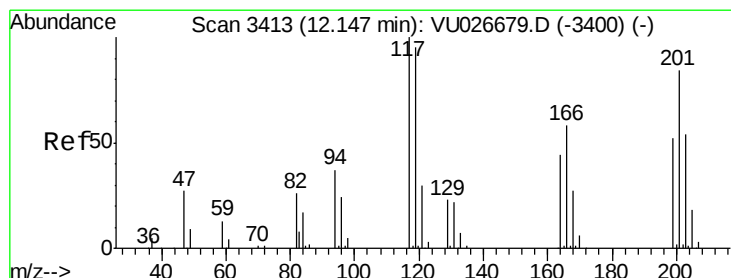
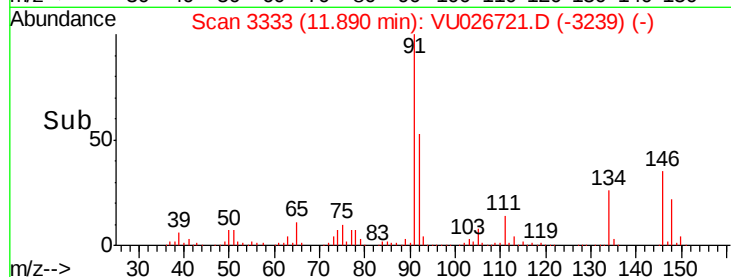
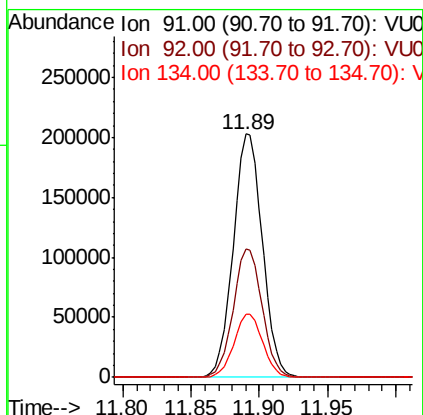
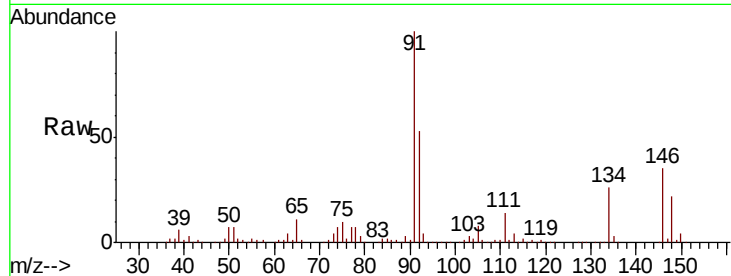




#89
n-Butylbenzene
Concen: 49.953 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. 0.00 min
Lab File: VU026721.D
Acq: 13 Sep 2018 08:41

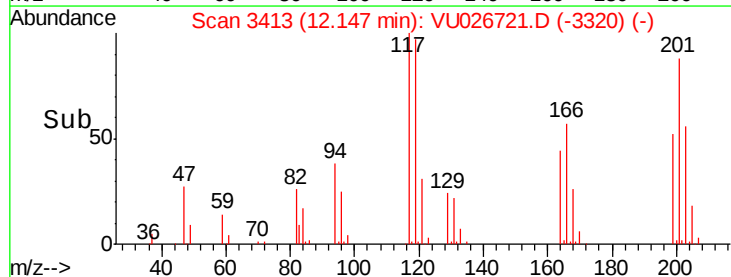
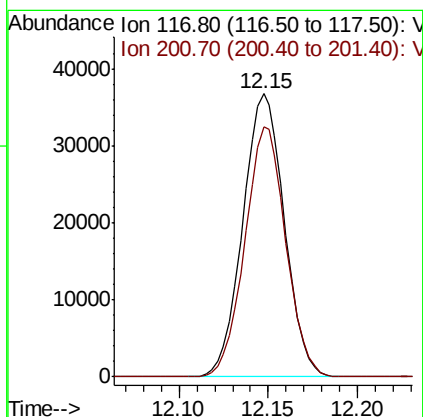
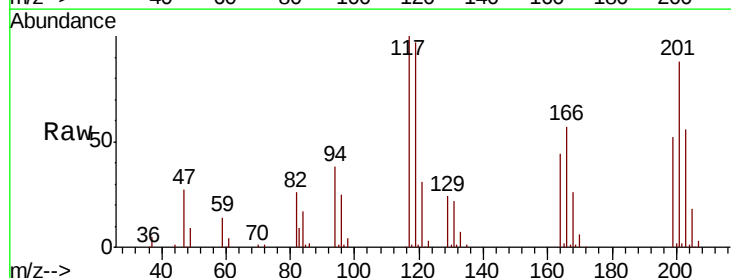
Instrument :
MSVOA_U
ClientSampled :
BFB

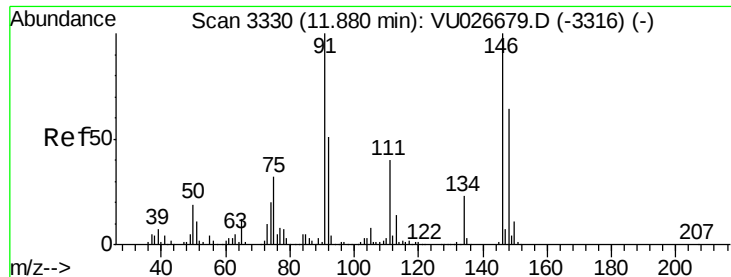
Tgt Ion: 91 Resp: 300633
Ion Ratio Lower Upper
91 100
92 52.1 25.8 77.3
134 25.6 12.6 37.8



#90
Hexachloroethane
Concen: 49.630 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. 0.00 min
Lab File: VU026721.D
Acq: 13 Sep 2018 08:41

Tgt Ion: 117 Resp: 59759
Ion Ratio Lower Upper
117 100
201 87.1 42.4 127.1





#91

1,2-Dichlorobenzene

Concen: 48.928 ug/l

RT: 11.88 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VU026721.D

Acq: 13 Sep 2018 08:41

Instrument :

MSVOA_U

ClientSampleId :

BFB

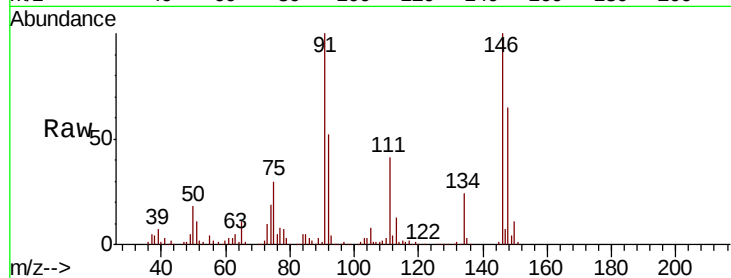
Tgt Ion:146 Resp: 168097

Ion Ratio Lower Upper

146 100

111 40.5 20.3 60.8

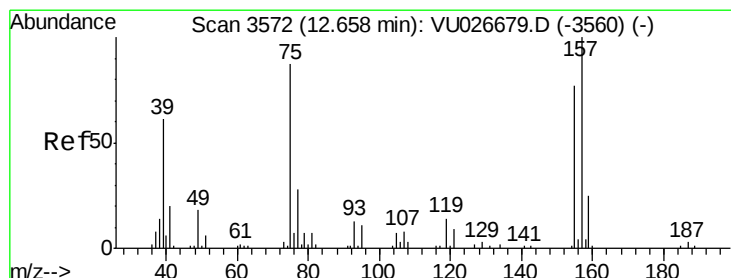
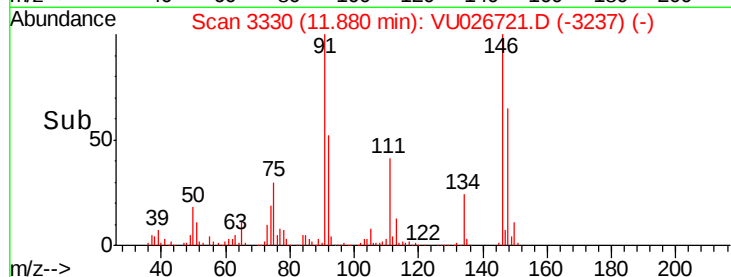
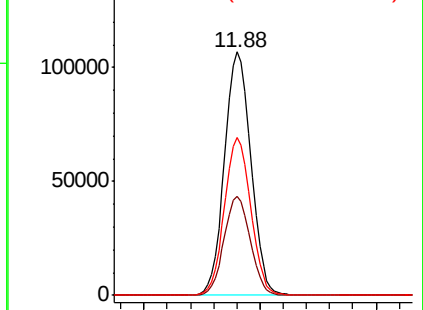
148 64.5 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 51.927 ug/l

RT: 12.66 min Scan# 3572

Delta R.T. 0.00 min

Lab File: VU026721.D

Acq: 13 Sep 2018 08:41

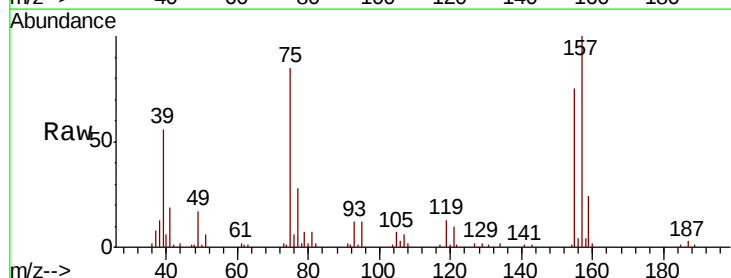
Tgt Ion: 75 Resp: 28580

Ion Ratio Lower Upper

75 100

155 88.5 44.1 132.4

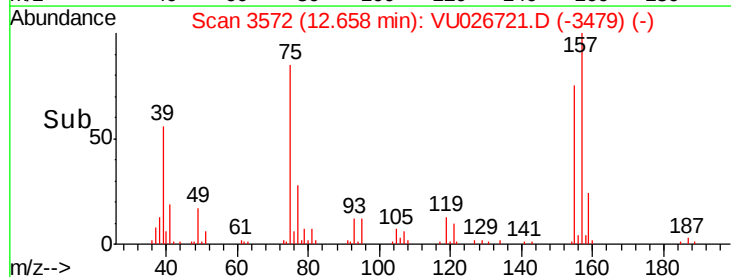
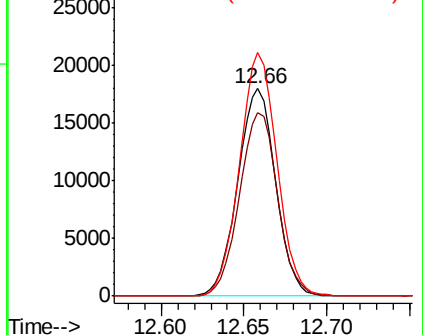
157 115.6 57.2 171.6

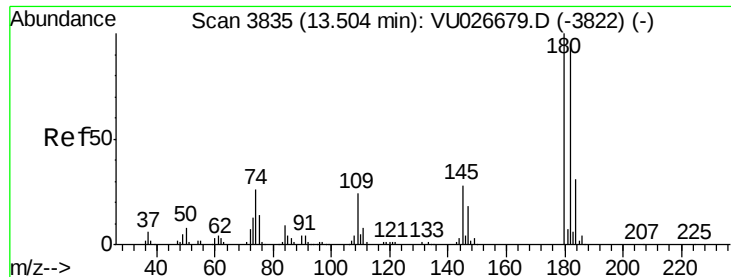


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

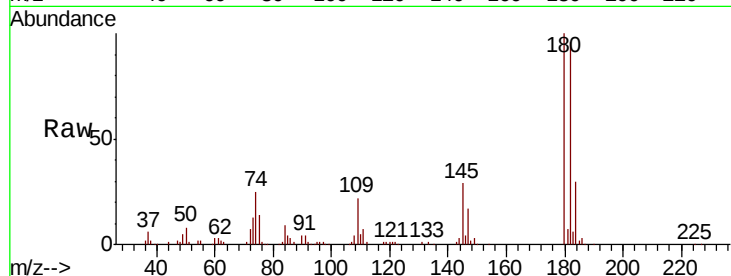




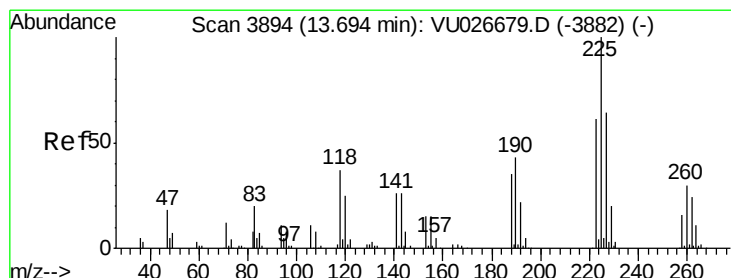
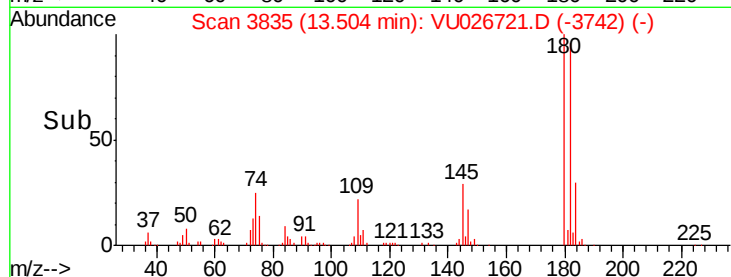
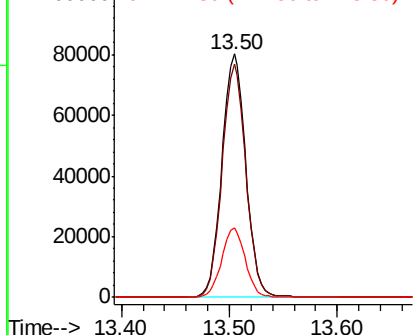
#93
 1,2,4-Trichlorobenzene
 Concen: 54.318 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU026721.D
 Acq: 13 Sep 2018 08:41

Instrument :
 MSVOA_U
 ClientSampled :
 BFB

Tgt Ion:180 Resp: 123928
 Ion Ratio Lower Upper
 180 100
 182 95.0 47.9 143.7
 145 28.2 14.0 42.0

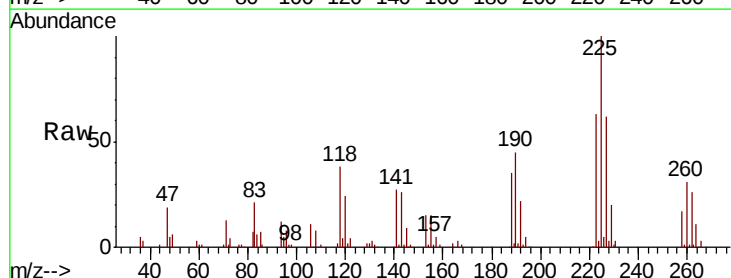


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

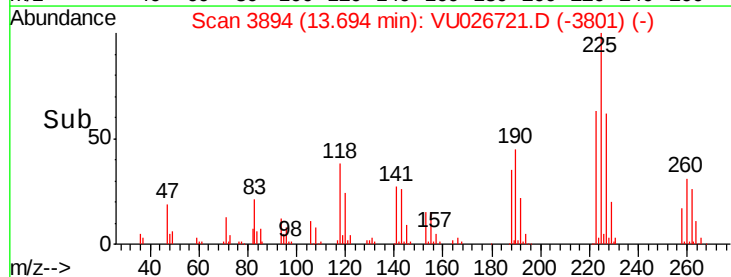
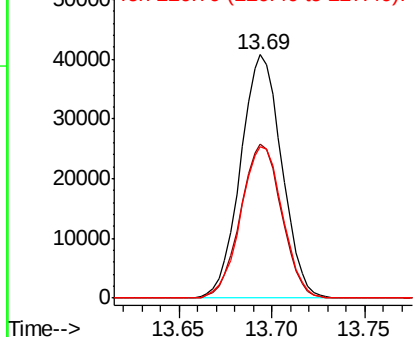


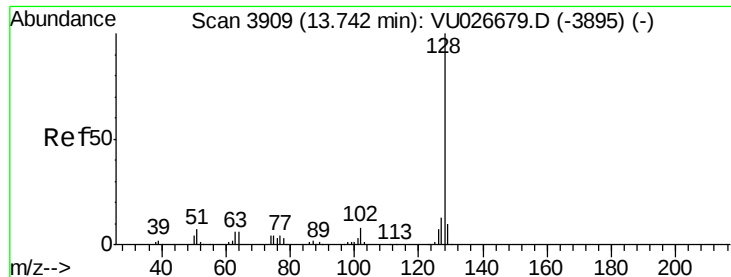
#94
 Hexachlorobutadiene
 Concen: 53.476 ug/l
 RT: 13.69 min Scan# 3894
 Delta R.T. 0.00 min
 Lab File: VU026721.D
 Acq: 13 Sep 2018 08:41

Tgt Ion:225 Resp: 62765
 Ion Ratio Lower Upper
 225 100
 223 63.0 30.6 92.0
 227 63.0 32.1 96.3



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

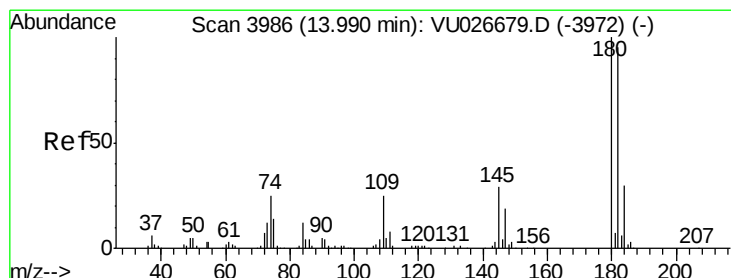
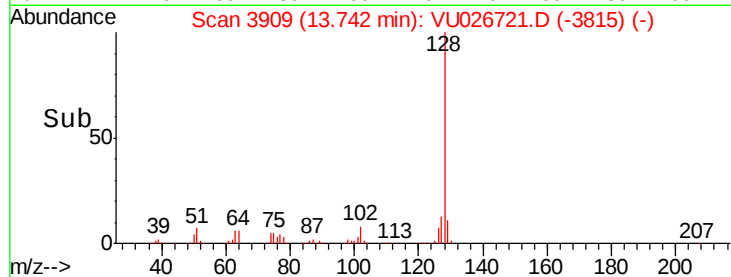
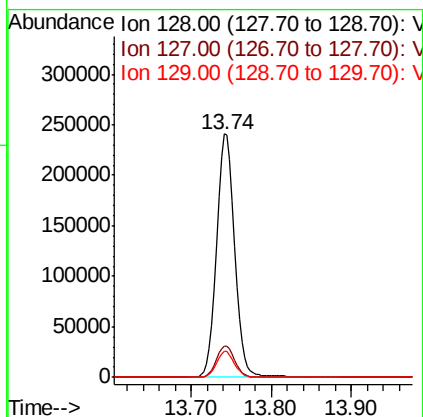
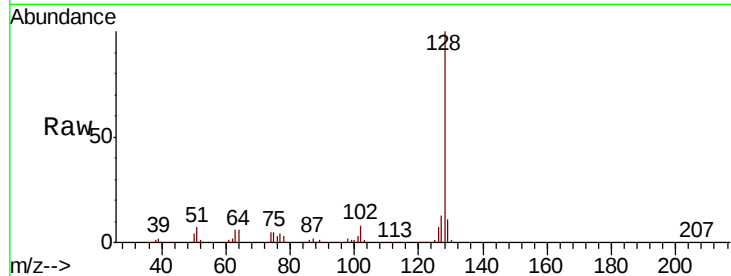




#95
Naphthalene
Concen: 49.560 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU026721.D
Acq: 13 Sep 2018 08:41

Instrument :
MSVOA_U
ClientSampleId :
BFB

Tgt Ion:128 Resp: 380307
Ion Ratio Lower Upper
128 100
127 13.0 10.4 15.6
129 10.6 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 52.801 ug/l
RT: 13.99 min Scan# 3986
Delta R.T. 0.00 min
Lab File: VU026721.D
Acq: 13 Sep 2018 08:41

Tgt Ion:180 Resp: 125812
Ion Ratio Lower Upper
180 100
182 97.0 47.9 143.7
145 29.8 14.9 44.9

