

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU110918\
 Data File : VU028038.D
 Acq On : 09 Nov 2018 12:41
 Operator : MD/SY
 Sample : VU1109WBS01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1109WBS01

Quant Time: Nov 12 06:13:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U110218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 02 02:28:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	181534	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	319738	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	291097	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	138760	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	142196	52.69	ug/l	0.00
Spiked Amount			Recovery	=	105.38%	
35) Dibromofluoromethane	4.89	113	102258	50.72	ug/l	0.00
Spiked Amount			Recovery	=	101.44%	
50) Toluene-d8	7.57	98	401131	51.51	ug/l	0.00
Spiked Amount			Recovery	=	103.02%	
62) 4-Bromofluorobenzene	10.31	95	145775	50.75	ug/l	0.00
Spiked Amount			Recovery	=	101.50%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	35418	15.354	ug/l	100
3) Chloromethane	1.33	50	51965	18.627	ug/l	100
4) Vinyl Chloride	1.40	62	51587	18.631	ug/l	99
5) Bromomethane	1.63	94	25988	25.172	ug/l	93
6) Chloroethane	1.70	64	31595	19.801	ug/l	98
7) Trichlorofluoromethane	1.89	101	60974	19.057	ug/l	96
8) Diethyl Ether	2.11	74	28125	20.529	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.29	101	37959	19.971	ug/l	98
10) Methyl Iodide	2.41	142	32114	23.302	ug/l	97
11) Tert butyl alcohol	2.83	59	62613	87.631	ug/l	100
12) 1,1-Dichloroethene	2.29	96	35447	18.631	ug/l	94
13) Acrolein	2.20	56	20639	73.738	ug/l	94
14) Allyl chloride	2.59	41	82309	17.701	ug/l	98
15) Acrylonitrile	2.94	53	171018	97.440	ug/l	100
16) Acetone	2.32	43	167255	99.882	ug/l	99
17) Carbon Disulfide	2.48	76	111178	17.878	ug/l	99
18) Methyl Acetate	2.62	43	88678	19.251	ug/l	96
19) Methyl tert-butyl Ether	3.00	73	148960	19.415	ug/l	100
20) Methylene Chloride	2.71	84	47858	19.574	ug/l	97
21) trans-1,2-Dichloroethene	2.99	96	39896	18.170	ug/l	91
22) Diisopropyl ether	3.58	45	187984	19.582	ug/l	95
23) Vinyl Acetate	3.53	43	795279	96.391	ug/l	100
24) 1,1-Dichloroethane	3.45	63	90894	19.009	ug/l	100
25) 2-Butanone	4.26	43	254003	95.345	ug/l	100
26) 2,2-Dichloropropane	4.23	77	68985	19.224	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	48040	19.511	ug/l	96
28) Bromochloromethane	4.55	49	44599	19.895	ug/l	99
29) Tetrahydrofuran	4.64	42	162222	91.193	ug/l	98
30) Chloroform	4.68	83	81607	18.613	ug/l	97
31) Cyclohexane	5.00	56	91091	18.342	ug/l	97
32) 1,1,1-Trichloroethane	4.92	97	67997	19.483	ug/l	99
36) 1,1-Dichloropropene	5.14	75	62169	18.565	ug/l	99
37) Ethyl Acetate	4.38	43	92766	18.906	ug/l	99
38) Carbon Tetrachloride	5.14	117	53888	18.158	ug/l	96

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 Misc : 5.0mL/MSVOA U/WATER
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Quant Time: Nov 12 06:13:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U110218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 02 02:28:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	77234	19.122	ug/l	98
40) Benzene	5.39	78	192571	18.809	ug/l	97
41) Methacrylonitrile	4.55	41	50133	19.146	ug/l	95
42) 1,2-Dichloroethane	5.41	62	68816	18.909	ug/l	100
43) Isopropyl Acetate	5.55	43	145102	18.876	ug/l	100
44) Trichloroethene	6.19	130	41696	18.946	ug/l	94
45) 1,2-Dichloropropane	6.43	63	56001	18.966	ug/l	99
46) Dibromomethane	6.56	93	32339	19.054	ug/l	97
47) Bromodichloromethane	6.76	83	61406	18.774	ug/l	98
48) Methyl methacrylate	6.62	41	72615	19.276	ug/l	100
49) 1,4-Dioxane	6.61	88	22608	367.849	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	472426	92.023	ug/l	100
52) Toluene	7.64	92	113026	18.778	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	70399	18.087	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	78634	19.502	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	45810	18.707	ug/l	97
56) Ethyl methacrylate	8.02	69	81859	18.956	ug/l	99
57) 1,3-Dichloropropane	8.24	76	84657	18.978	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	239952	103.747	ug/l	99
59) 2-Hexanone	8.36	43	370338	93.269	ug/l	100
60) Dibromochloromethane	8.48	129	43497	18.771	ug/l	99
61) 1,2-Dibromoethane	8.59	107	48916	18.799	ug/l	99
64) Tetrachloroethene	8.23	164	34516	18.286	ug/l	95
65) Chlorobenzene	9.12	112	115421	18.767	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	40070	19.075	ug/l	99
67) Ethyl Benzene	9.25	91	217622	19.224	ug/l	100
68) m/p-Xylenes	9.38	106	158872	38.679	ug/l	99
69) o-Xylene	9.78	106	77701	18.734	ug/l	98
70) Styrene	9.79	104	125330	18.911	ug/l	99
71) Bromoform	9.96	173	31647	17.976	ug/l #	99
73) Isopropylbenzene	10.17	105	210694	19.600	ug/l	100
74) N-amyl acetate	10.01	43	125434	19.297	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	82249	18.969	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	96519	25.430	ug/l	81
77) Bromobenzene	10.45	156	48599	19.716	ug/l	99
78) n-propylbenzene	10.59	91	253100	19.670	ug/l	99
79) 2-Chlorotoluene	10.66	91	150079	19.459	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	174795	19.629	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.49	75	96519	63.422	ug/l #	100
82) 4-Chlorotoluene	10.77	91	168724	19.270	ug/l	98
83) tert-Butylbenzene	11.10	119	168837	18.966	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	174817	19.496	ug/l	99
85) sec-Butylbenzene	11.32	105	211971	19.579	ug/l	100
86) p-Isopropyltoluene	11.48	119	173595	19.180	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	84580	18.575	ug/l	97
88) 1,4-Dichlorobenzene	11.51	146	87975	18.850	ug/l	99
89) n-Butylbenzene	11.89	91	166484	19.355	ug/l	99
90) Hexachloroethane	12.14	117	29357	18.219	ug/l	97
91) 1,2-Dichlorobenzene	11.88	146	87953	19.208	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	17097	18.712	ug/l	98

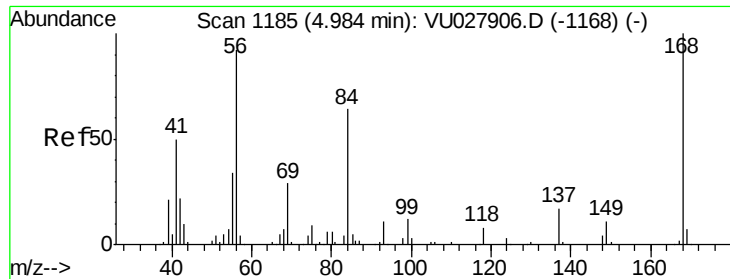
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU110918\
Data File : VU028038.D
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Quant Title : SW846 8260
QLast Update : Fri Nov 02 02:28:20 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	55615	17.766	ug/l	99
94) Hexachlorobutadiene	13.69	225	27661	19.007	ug/l	99
95) Naphthalene	13.74	128	205468	17.936	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	59260	19.286	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU028038.D

Acq: 09 Nov 2018 12:41

Instrument :

MSVOA_U

ClientSampleId :

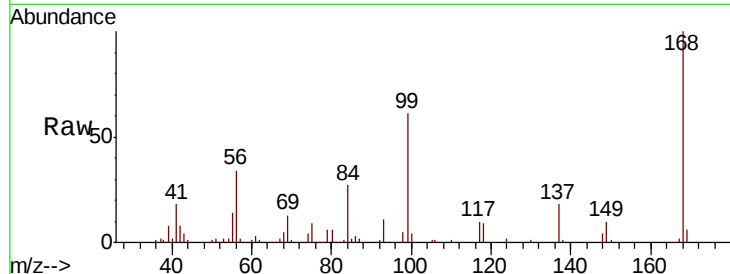
VU1109WBS01

Tot Ion:168 Resp: 181534

Ion Ratio Lower Upper

168 100

99 60.9 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): VU027906.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU028038.D (-1092) (-)

4.99

80000

60000

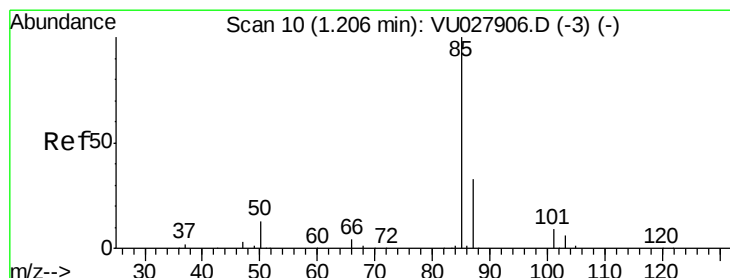
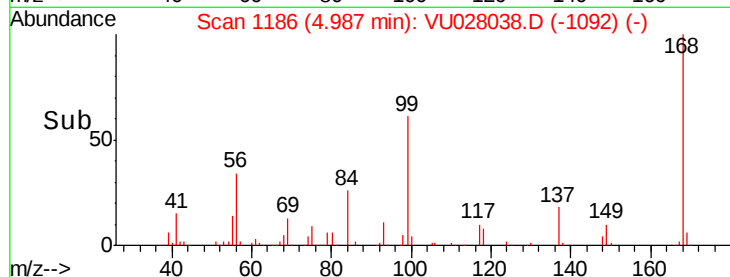
40000

20000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 15.354 ug/l

RT: 1.21 min Scan# 11

Delta R.T. 0.00 min

Lab File: VU028038.D

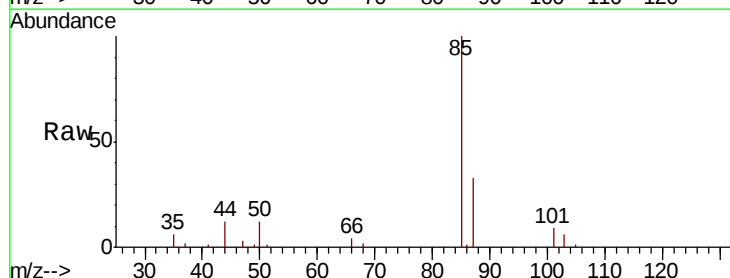
Acq: 09 Nov 2018 12:41

Tgt Ion: 85 Resp: 35418

Ion Ratio Lower Upper

85 100

87 33.1 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VU027906.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU028038.D (-1) (-)

1.21

40000

30000

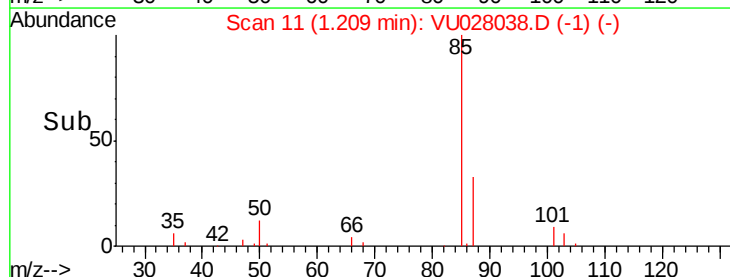
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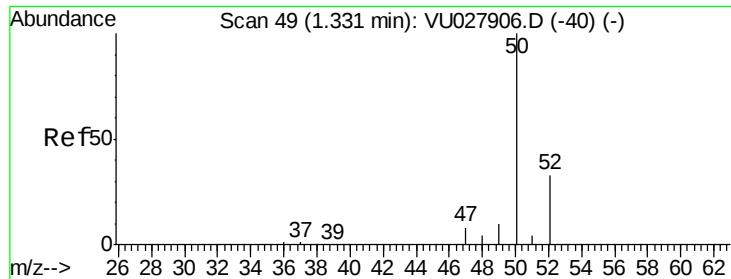
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0

1.20 1.25

Time-->

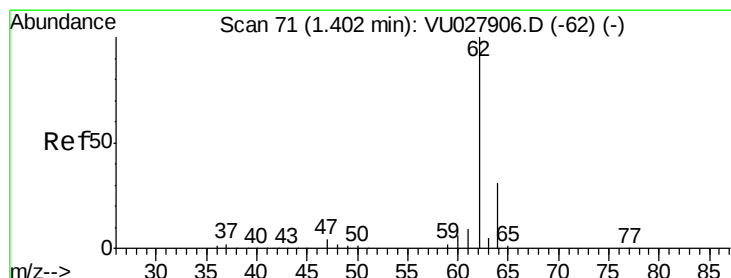
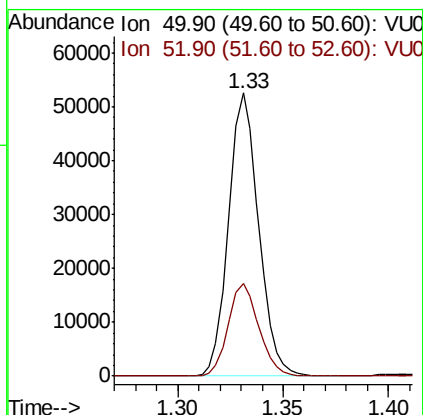
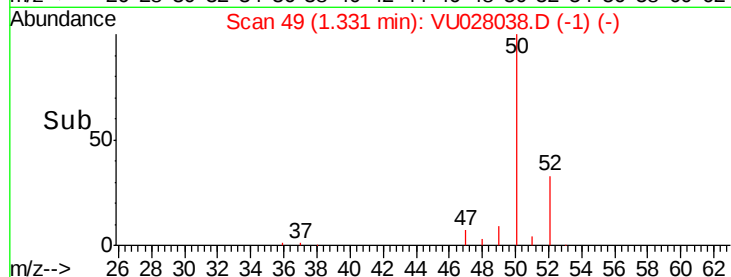
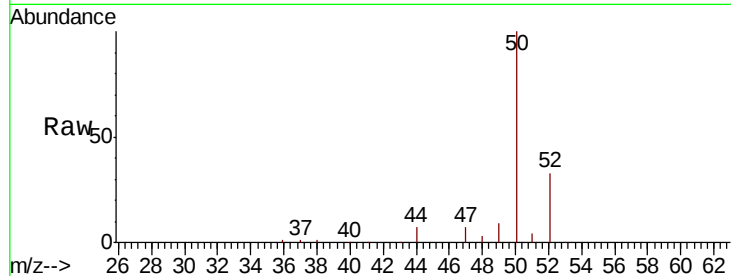




#3
 Chloromethane
 Concen: 18.627 ug/l
 RT: 1.33 min Scan# 49
 Delta R.T. -0.00 min
 Lab File: VU028038.D
 Acq: 09 Nov 2018 12:41

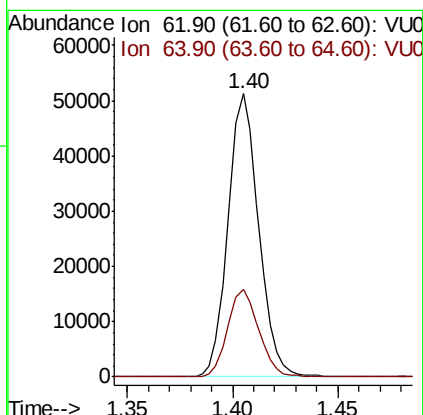
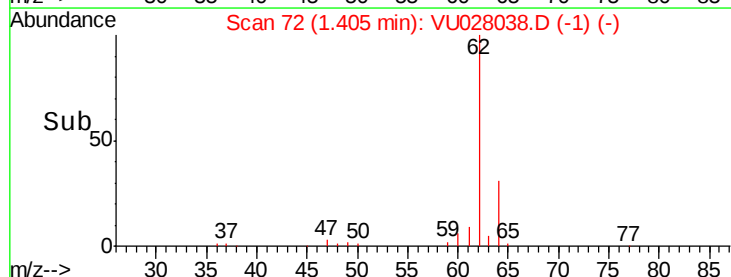
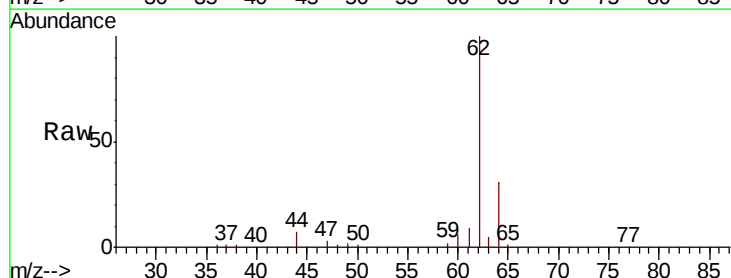
Instrument :
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 VU1109WBS01

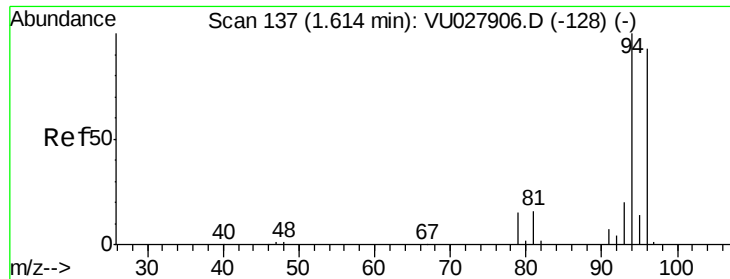
Tot Ion: 50 Resp: 51965
 Ion Ratio Lower Upper
 50 100
 52 32.9 26.2 39.4



#4
 Vinyl Chloride
 Concen: 18.631 ug/l
 RT: 1.40 min Scan# 72
 Delta R.T. 0.00 min
 Lab File: VU028038.D
 Acq: 09 Nov 2018 12:41

Tgt Ion: 62 Resp: 51587
 Ion Ratio Lower Upper
 62 100
 64 30.7 25.2 37.8

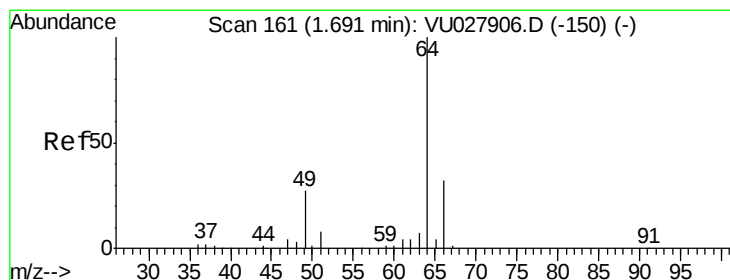
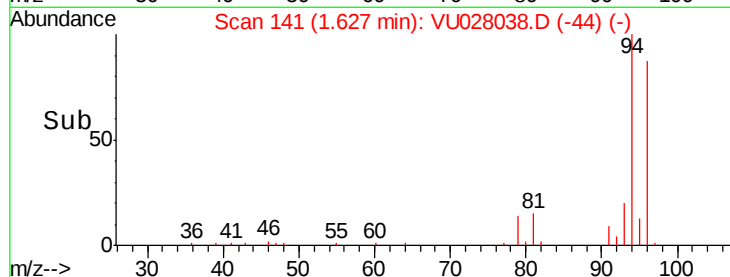
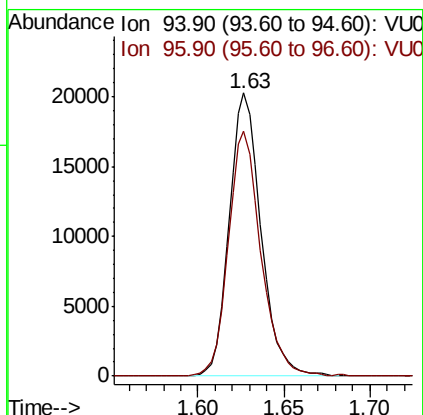
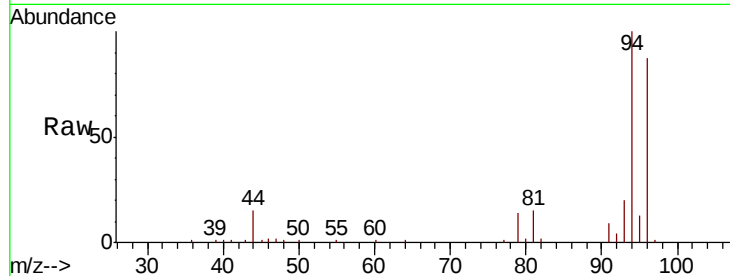




#5
Bromomethane
Concen: 25.172 ug/l
RT: 1.63 min Scan# 141
Delta R.T. 0.01 min
Lab File: VU028038.D
Acq: 09 Nov 2018 12:41

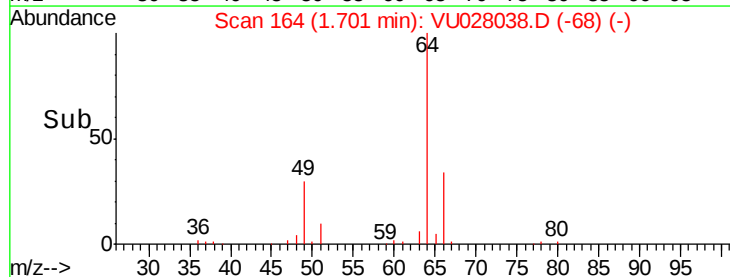
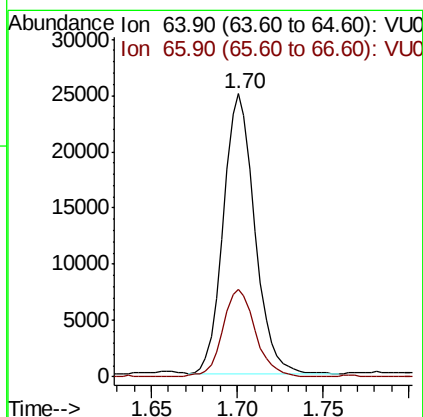
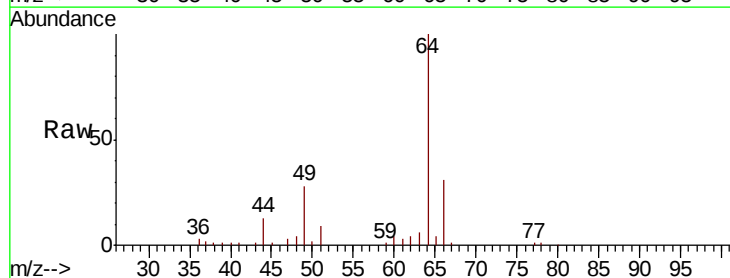
Instrument :
MSVOA_U
ClientSampleId :
VU1109WBS01

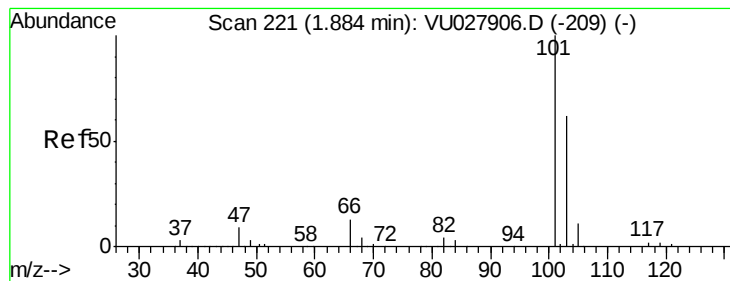
Tot Ion: 94 Resp: 25988
Ion Ratio Lower Upper
94 100
96 86.7 74.8 112.2



#6
Chloroethane
Concen: 19.801 ug/l
RT: 1.70 min Scan# 164
Delta R.T. 0.01 min
Lab File: VU028038.D
Acq: 09 Nov 2018 12:41

Tgt Ion: 64 Resp: 31595
Ion Ratio Lower Upper
64 100
66 31.5 25.9 38.9



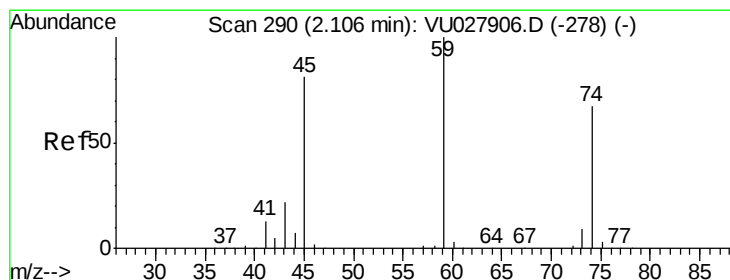
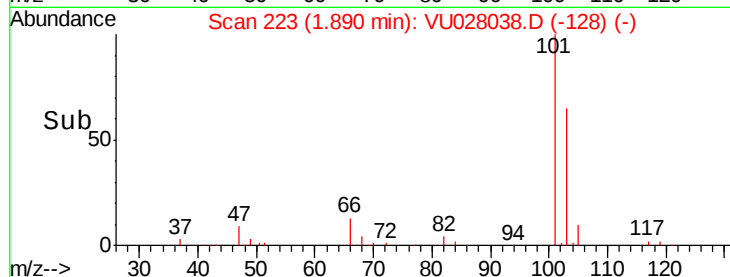
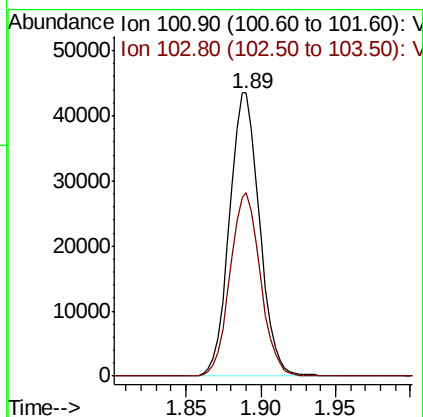
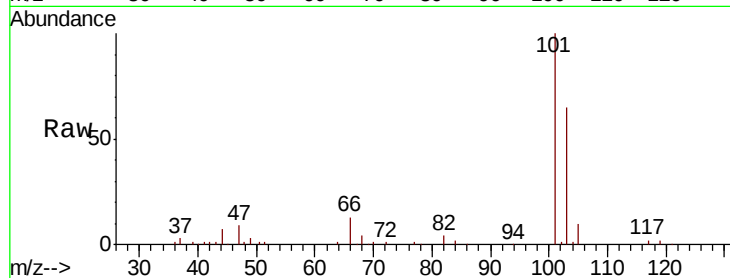


#7

Trichlorofluoromethane
Concen: 19.057 ug/l
RT: 1.89 min Scan# 223
Delta R.T. 0.01 min
Lab File: VU028038.D
Acq: 09 Nov 2018 12:41

Instrument :
MSVOA_U
ClientSampleId :
VU1109WBS01

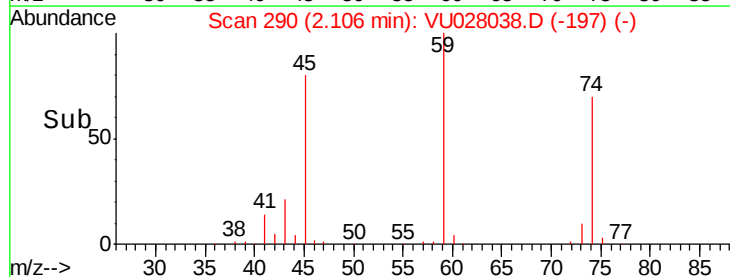
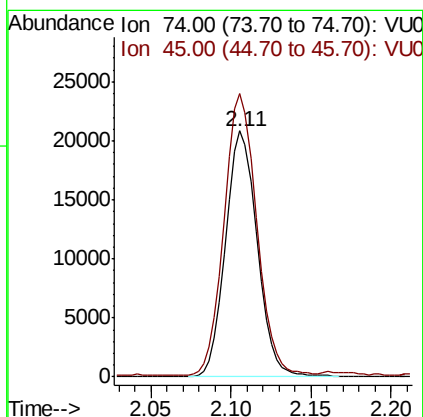
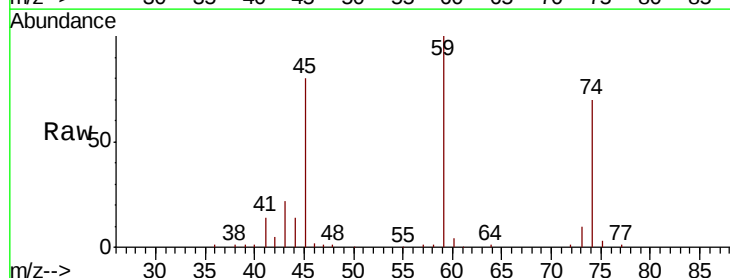
Tot Ion:101 Resp: 60974
Ion Ratio Lower Upper
101 100
103 64.7 49.4 74.2

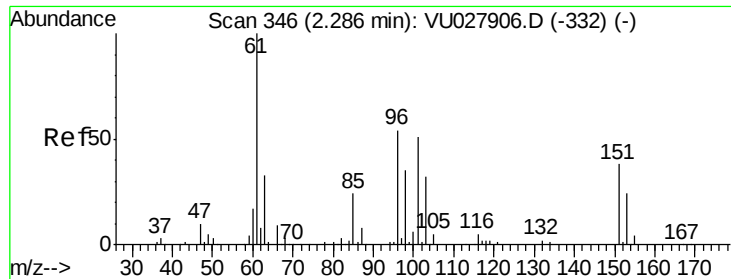


#8

Diethyl Ether
Concen: 20.529 ug/l
RT: 2.11 min Scan# 290
Delta R.T. -0.00 min
Lab File: VU028038.D
Acq: 09 Nov 2018 12:41

Tgt Ion: 74 Resp: 28125
Ion Ratio Lower Upper
74 100
45 117.6 60.5 181.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.971 ug/l

RT: 2.29 min Scan# 347

Delta R.T. 0.00 min

Lab File: VU028038.D

Acq: 09 Nov 2018 12:41

Instrument :

MSVOA_U

ClientSampleId :

VU1109WBS01

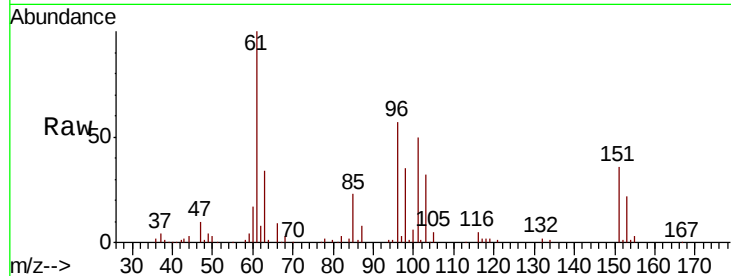
Tot Ion:101 Resp: 37959

Ion Ratio Lower Upper

101 100

85 43.9 36.9 55.3

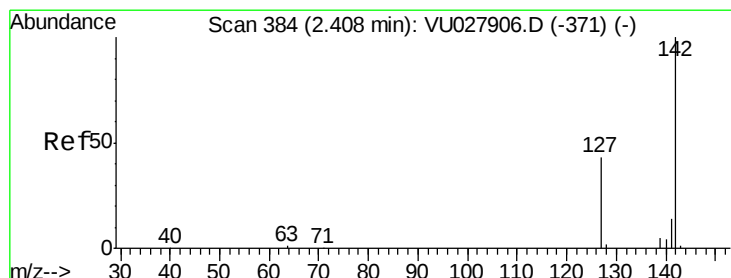
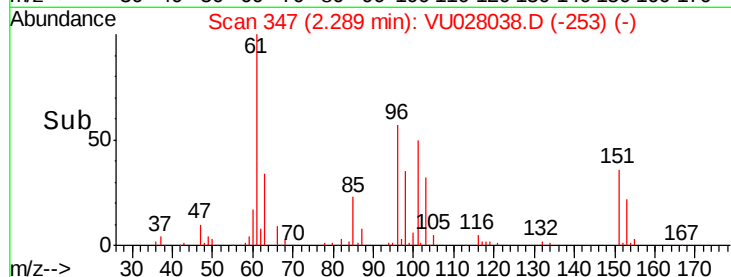
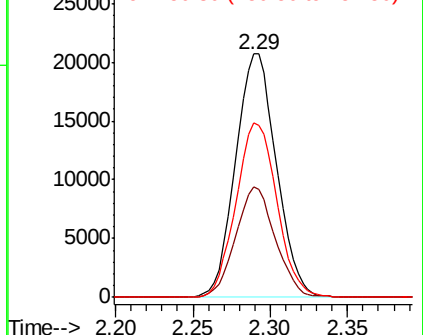
151 71.9 58.0 87.0



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: 23.302 ug/l

RT: 2.41 min Scan# 386

Delta R.T. 0.01 min

Lab File: VU028038.D

Acq: 09 Nov 2018 12:41

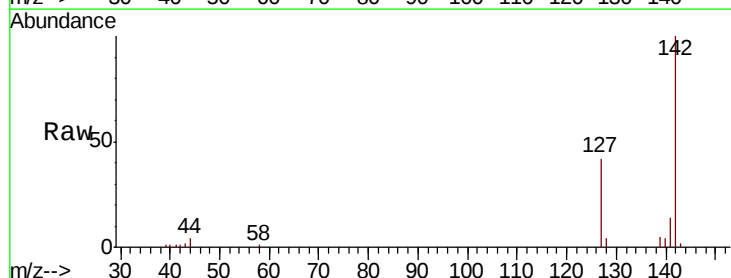
Tgt Ion:142 Resp: 32114

Ion Ratio Lower Upper

142 100

127 42.1 35.2 52.8

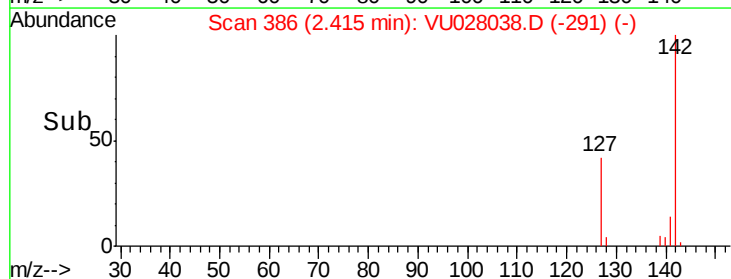
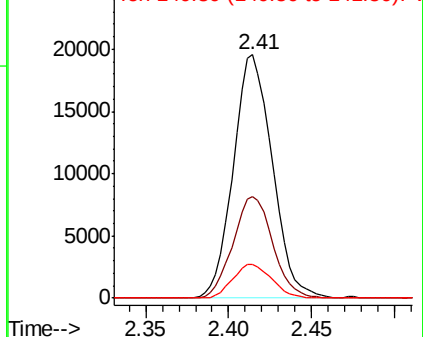
141 13.6 11.8 17.8

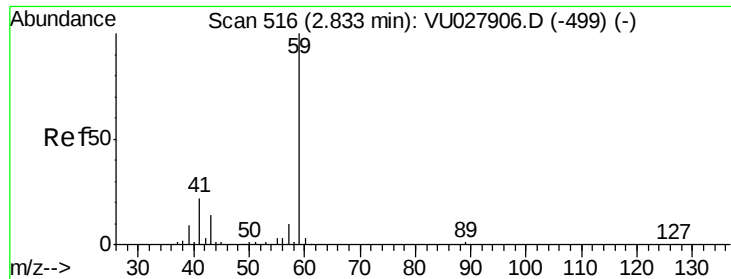


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

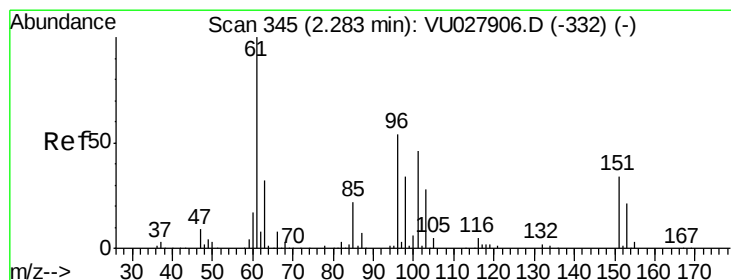
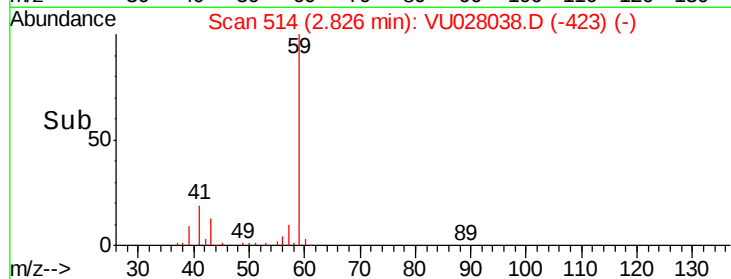
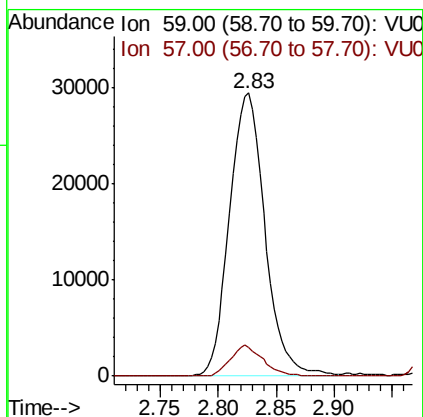
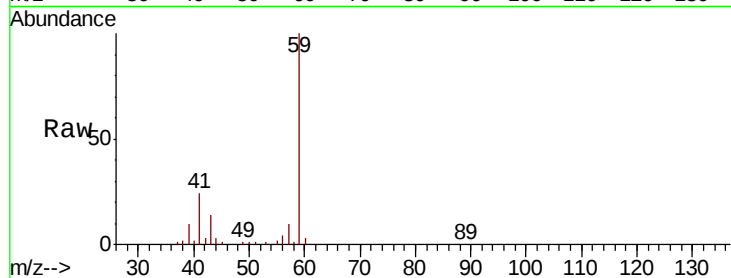




#11
Tert butyl alcohol
Concen: 87.631 ug/l
RT: 2.83 min Scan# 514
Delta R.T. -0.01 min
Lab File: VU028038.D
Acq: 09 Nov 2018 12:41

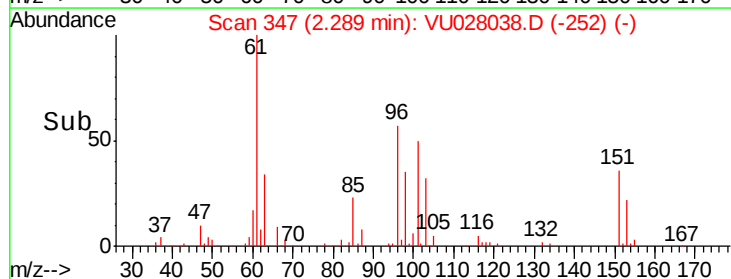
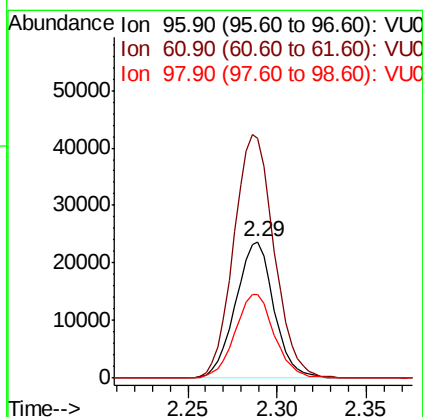
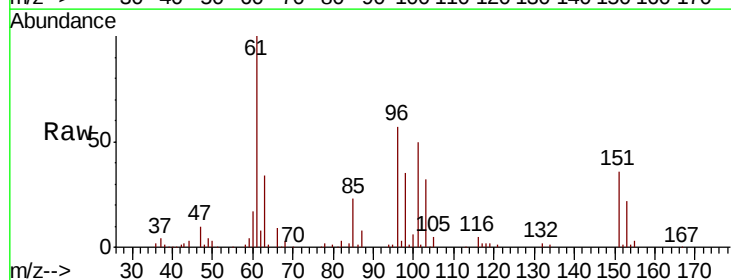
Instrument :
MSVOA_U
ClientSampleId :
VU1109WBS01

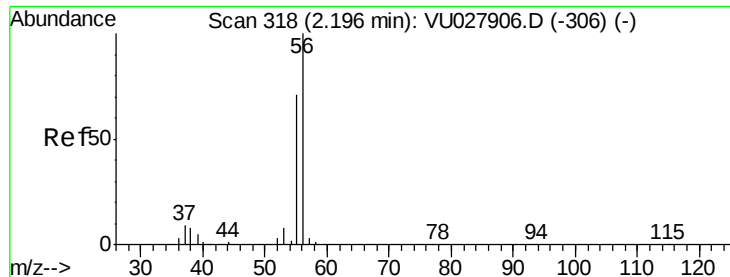
Tot Ion: 59 Resp: 62613
Ion Ratio Lower Upper
59 100
57 9.9 7.8 11.8



#12
1,1-Dichloroethene
Concen: 18.631 ug/l
RT: 2.29 min Scan# 347
Delta R.T. 0.01 min
Lab File: VU028038.D
Acq: 09 Nov 2018 12:41

Tgt Ion: 96 Resp: 35447
Ion Ratio Lower Upper
96 100
61 175.9 149.3 223.9
98 61.8 50.6 75.8





#13

Acrolein

Concen: 73.738 ug/l

RT: 2.20 min Scan# 318

Delta R.T. 0.00 min

Lab File: VU028038.D

Acq: 09 Nov 2018 12:41

Instrument :

MSVOA_U

ClientSampleId :

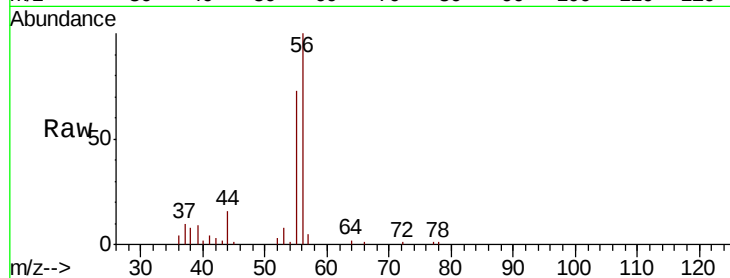
VU1109WBS01

Tot Ion: 56 Resp: 20639

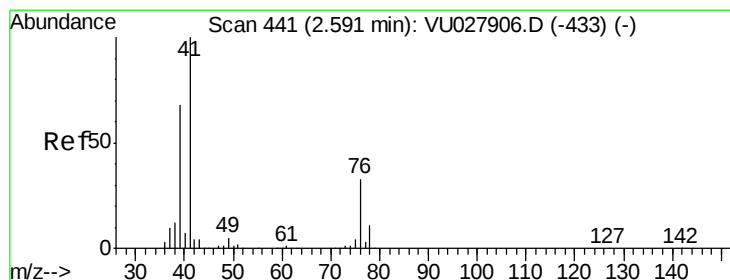
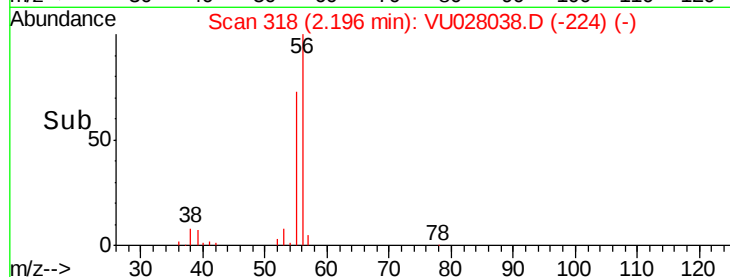
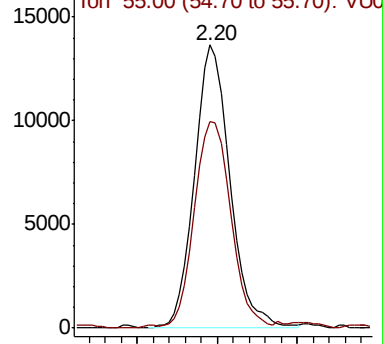
Ion Ratio Lower Upper

56 100

55 75.6 56.2 84.4



Abundance Ion 56.00 (55.70 to 56.70): VU027906.D (-306) (-)



#14

Allyl chloride

Concen: 17.701 ug/l

RT: 2.59 min Scan# 442

Delta R.T. 0.00 min

Lab File: VU028038.D

Acq: 09 Nov 2018 12:41

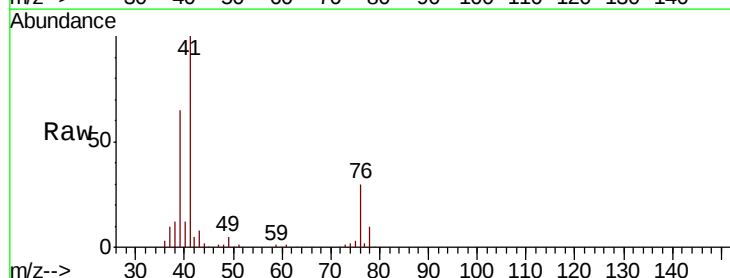
Tgt Ion: 41 Resp: 82309

Ion Ratio Lower Upper

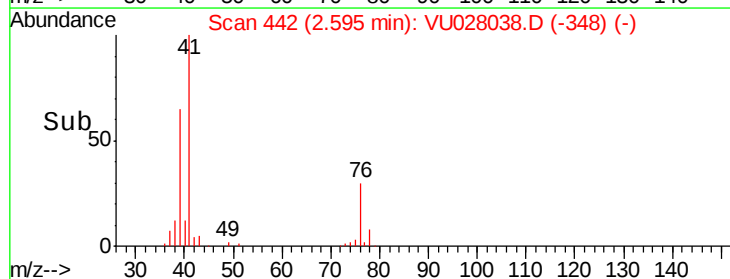
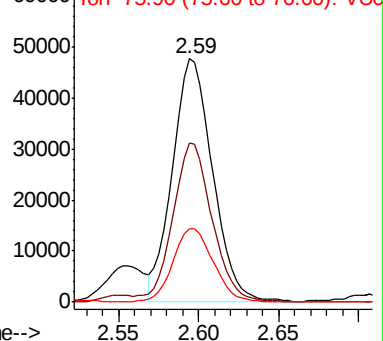
41 100

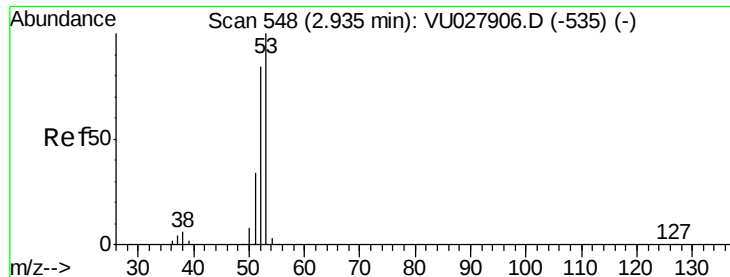
39 63.3 51.9 77.9

76 30.6 23.8 35.6



Abundance Ion 41.00 (40.70 to 41.70): VU027906.D (-433) (-)





#15

Acrylonitrile

Concen: 97.440 ug/l

RT: 2.94 min Scan# 548

Delta R.T. -0.00 min

Lab File: VU028038.D

Acq: 09 Nov 2018 12:41

Instrument :

MSVOA_U

ClientSampleId :

VU1109WBS01

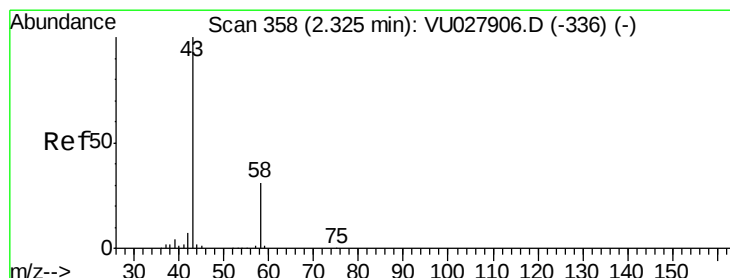
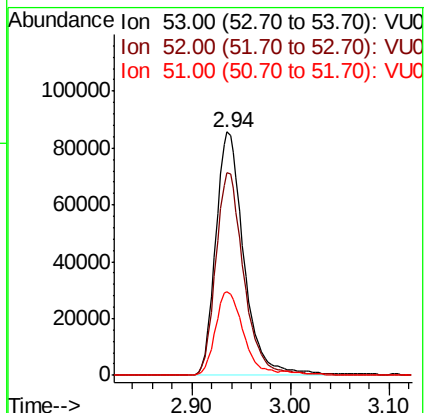
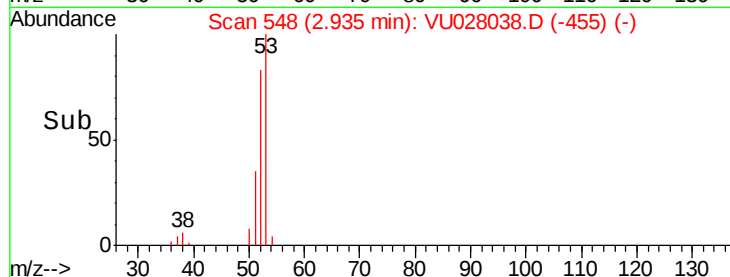
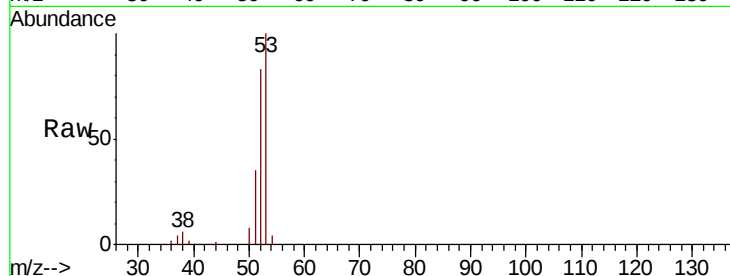
Tot Ion: 53 Resp: 171018

Ion Ratio Lower Upper

53 100

52 82.6 66.2 99.2

51 34.1 27.0 40.4



#16

Acetone

Concen: 99.882 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU028038.D

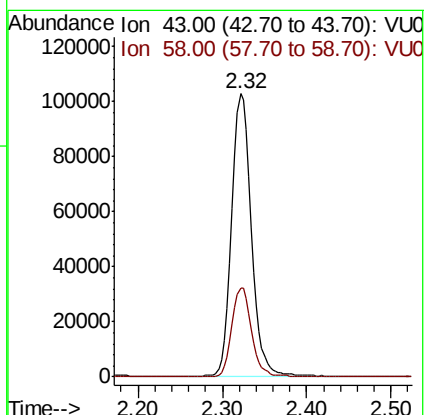
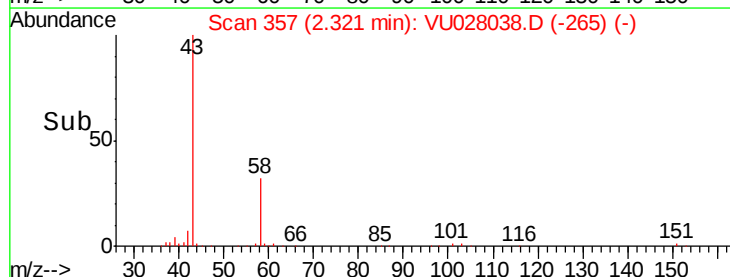
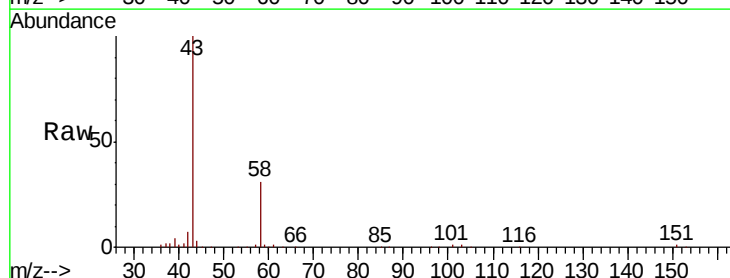
Acq: 09 Nov 2018 12:41

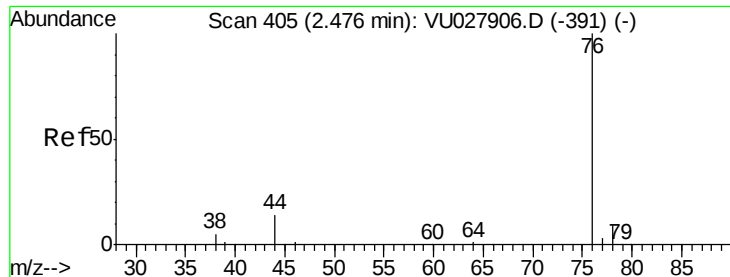
Tgt Ion: 43 Resp: 167255

Ion Ratio Lower Upper

43 100

58 31.5 24.6 37.0

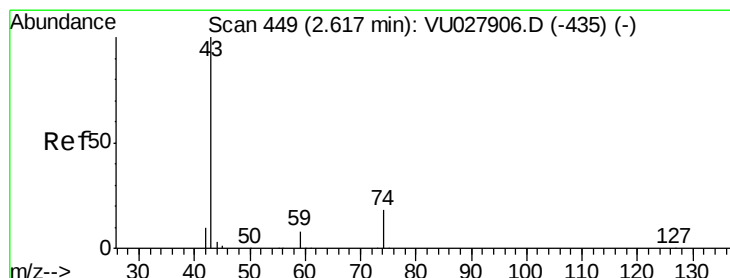
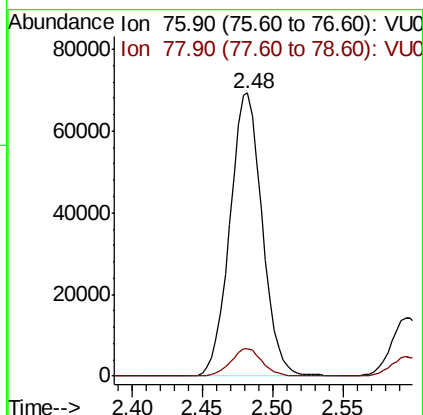
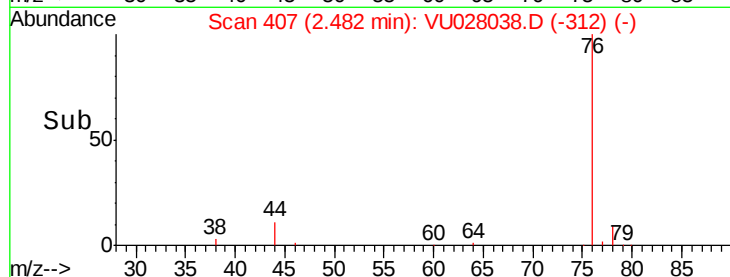
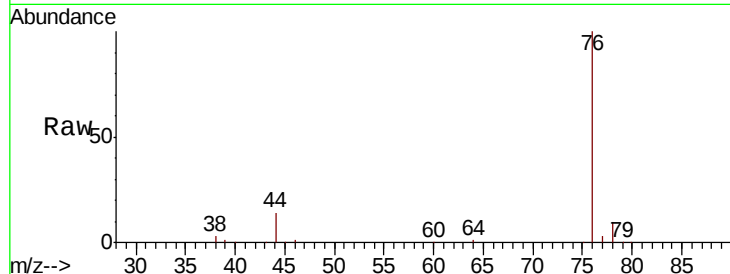




#17
Carbon Disulfide
Concen: 17.878 ug/l
RT: 2.48 min Scan# 407
Delta R.T. 0.01 min
Lab File: VU028038.D
Acq: 09 Nov 2018 12:41

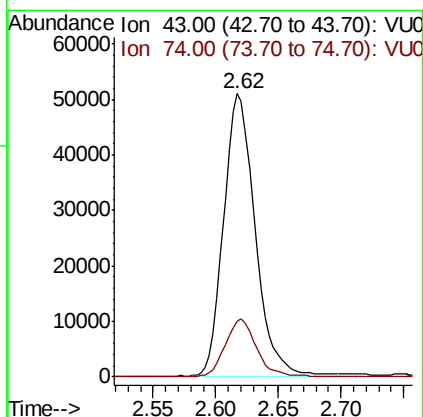
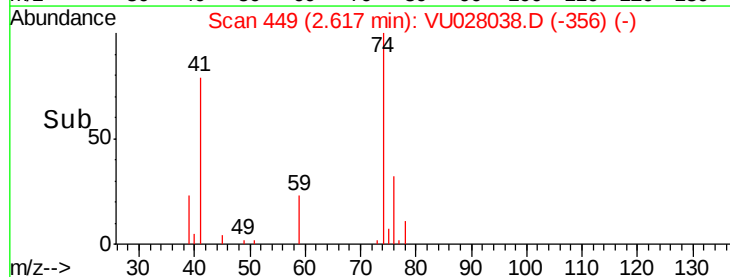
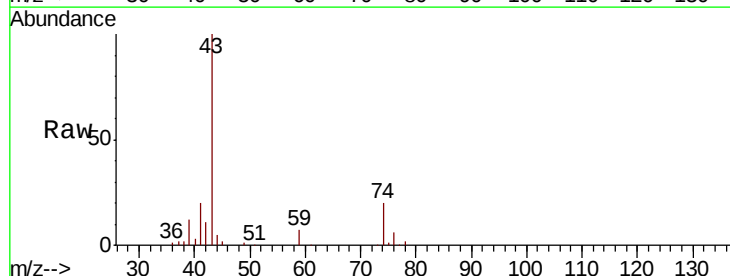
Instrument :
MSVOA_U
ClientSampleId :
VU1109WBS01

Tot Ion: 76 Resp: 111178
Ion Ratio Lower Upper
76 100
78 9.7 7.4 11.0



#18
Methyl Acetate
Concen: 19.251 ug/l
RT: 2.62 min Scan# 449
Delta R.T. -0.00 min
Lab File: VU028038.D
Acq: 09 Nov 2018 12:41

Tgt Ion: 43 Resp: 88678
Ion Ratio Lower Upper
43 100
74 20.3 14.9 22.3

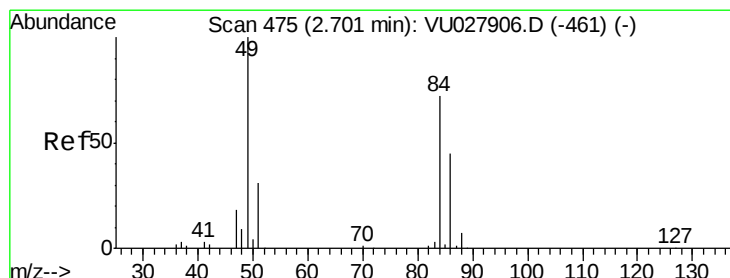
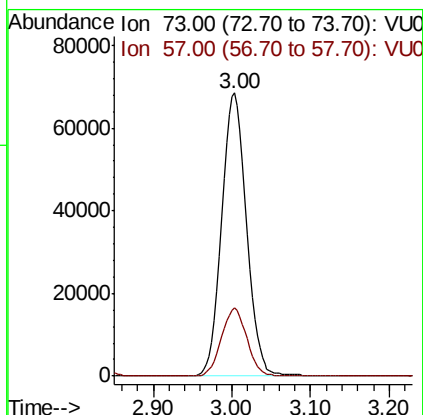
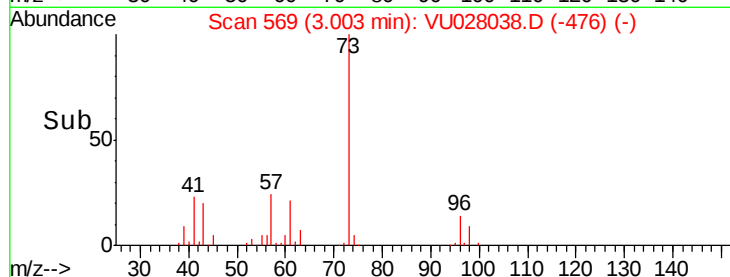
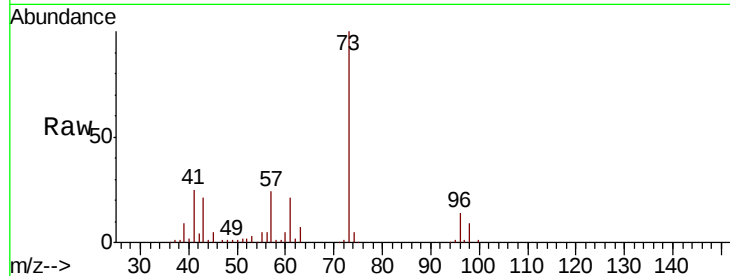




#19
Methyl tert-butyl Ether
Concen: 19.415 ug/l
RT: 3.00 min Scan# 569
Delta R.T. -0.00 min
Lab File: VU028038.D
Acq: 09 Nov 2018 12:41

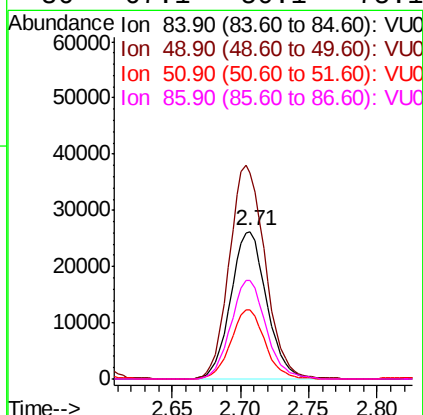
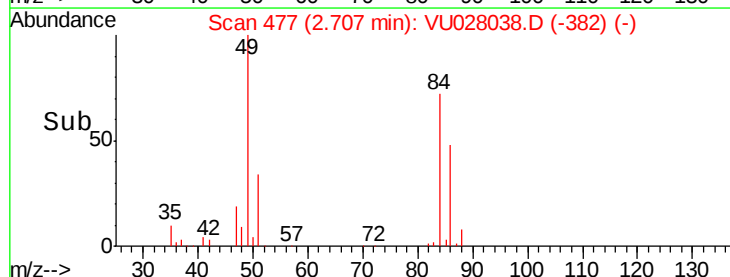
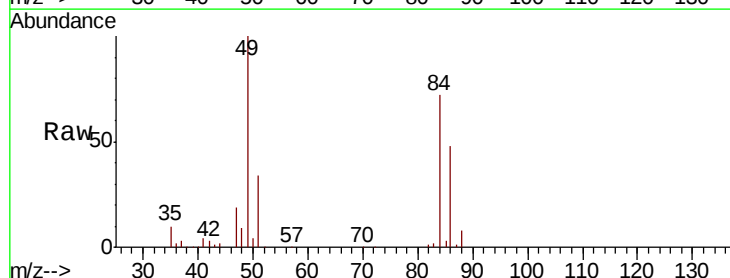
Instrument :
MSVOA_U
ClientSampleId :
VU1109WBS01

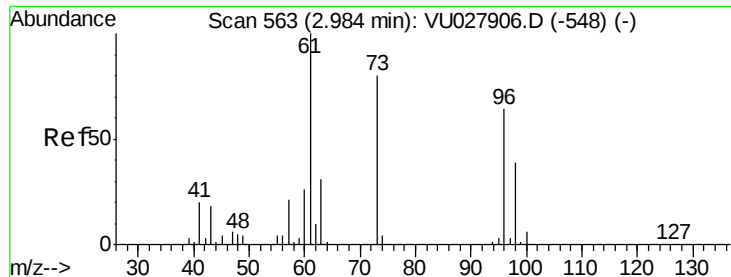
Tot Ion: 73 Resp: 148960
Ion Ratio Lower Upper
73 100
57 24.0 19.3 28.9



#20
Methylene Chloride
Concen: 19.574 ug/l
RT: 2.71 min Scan# 477
Delta R.T. 0.01 min
Lab File: VU028038.D
Acq: 09 Nov 2018 12:41

Tgt Ion: 84 Resp: 47858
Ion Ratio Lower Upper
84 100
49 139.6 111.6 167.4
51 47.2 34.8 52.2
86 67.1 50.1 75.1





#21

trans-1,2-Dichloroethene

Concen: 18.170 ug/l

RT: 2.99 min Scan# 564

Delta R.T. 0.00 min

Lab File: VU028038.D

Acq: 09 Nov 2018 12:41

Instrument :

MSVOA_U

ClientSampleId :

VU1109WBS01

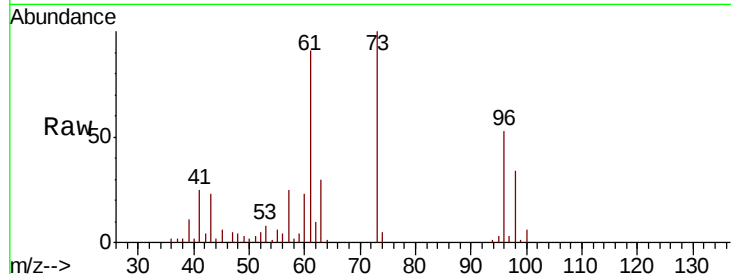
Tot Ion: 96 Resp: 39896

Ion Ratio Lower Upper

96 100

61 170.1 125.0 187.6

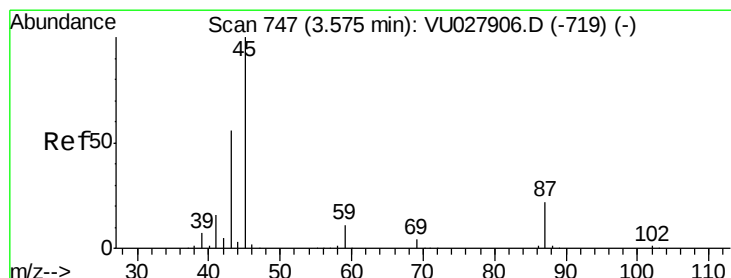
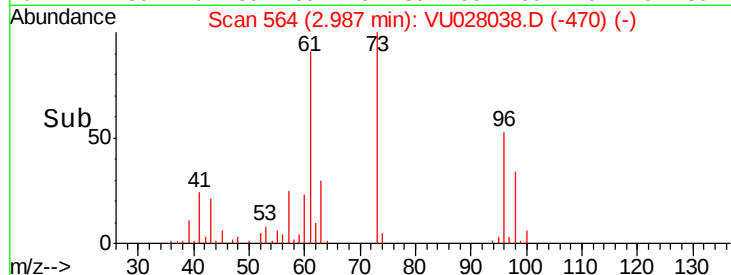
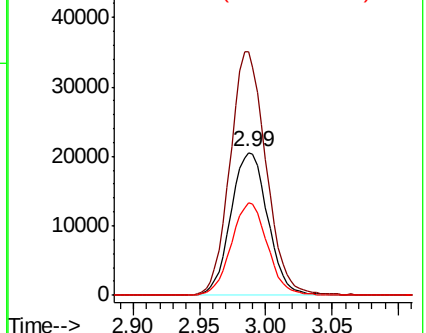
98 64.5 48.2 72.4



Abundance Ion 95.90 (95.60 to 96.60): VU028038.D (-470) (-)

Ion 60.90 (60.60 to 61.60): VU028038.D (-470) (-)

Ion 97.90 (97.60 to 98.60): VU028038.D (-470) (-)



#22

Diisopropyl ether

Concen: 19.582 ug/l

RT: 3.58 min Scan# 747

Delta R.T. -0.00 min

Lab File: VU028038.D

Acq: 09 Nov 2018 12:41

Tgt Ion: 45 Resp: 187984

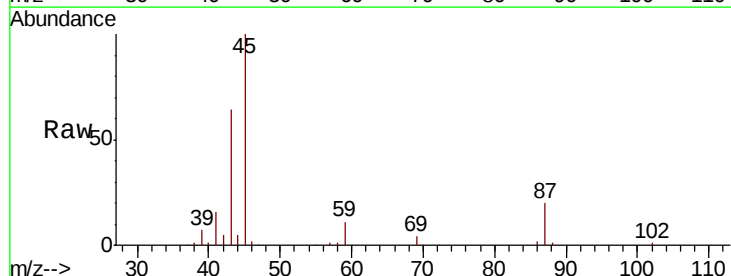
Ion Ratio Lower Upper

45 100

43 60.6 45.0 67.6

87 20.4 17.9 26.9

59 10.6 8.6 12.8

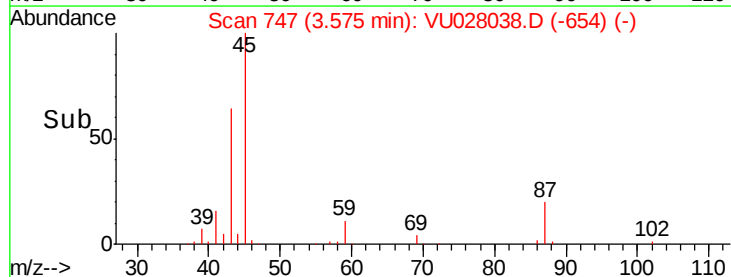
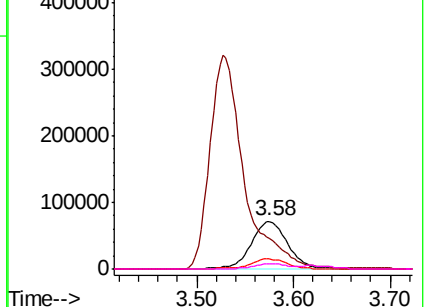


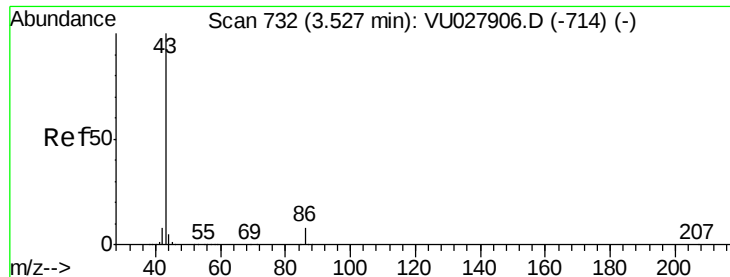
Abundance Ion 45.00 (44.70 to 45.70): VU028038.D (-654) (-)

Ion 43.00 (42.70 to 43.70): VU028038.D (-654) (-)

Ion 87.00 (86.70 to 87.70): VU028038.D (-654) (-)

Ion 59.00 (58.70 to 59.70): VU028038.D (-654) (-)





#23

Vinyl Acetate

Concen: 96.391 ug/l

RT: 3.53 min Scan# 732

Delta R.T. -0.00 min

Lab File: VU028038.D

Acq: 09 Nov 2018 12:41

Instrument :

MSVOA_U

ClientSampleId :

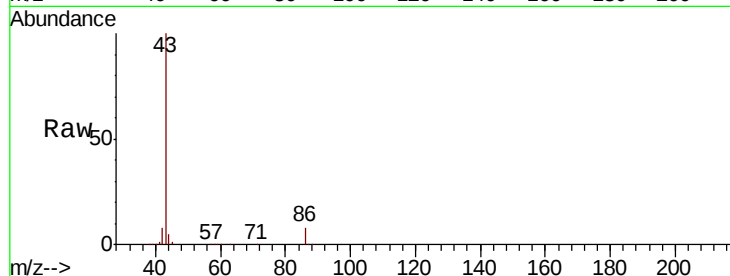
VU1109WBS01

Tot Ion: 43 Resp: 795279

Ion Ratio Lower Upper

43 100

86 8.1 6.6 9.8



Abundance Ion 43.00 (42.70 to 43.70): VU027906.D (-714) (-)

Ion 86.00 (85.70 to 86.70): VU027906.D (-714) (-)

3.53

300000

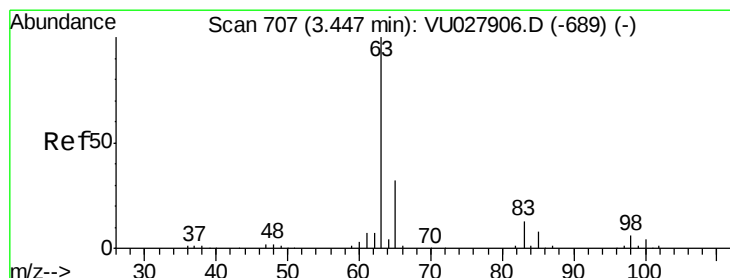
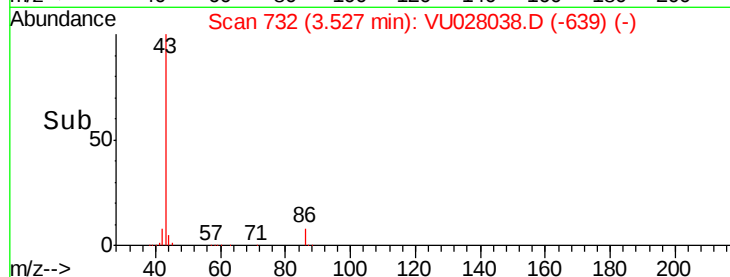
200000

100000

0

Time-->

3.40 3.50 3.60 3.70



#24

1,1-Dichloroethane

Concen: 19.009 ug/l

RT: 3.45 min Scan# 708

Delta R.T. 0.00 min

Lab File: VU028038.D

Acq: 09 Nov 2018 12:41

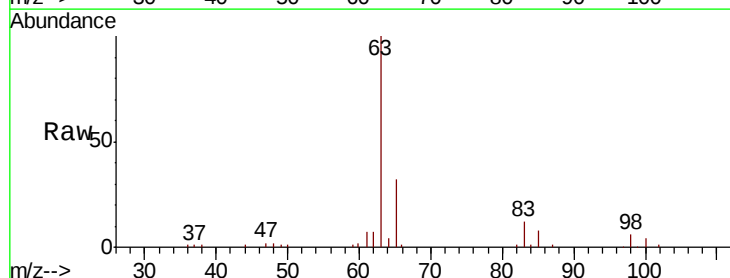
Tgt Ion: 63 Resp: 90894

Ion Ratio Lower Upper

63 100

98 5.5 2.9 8.6

100 4.1 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VU027906.D (-689) (-)

Ion 97.90 (97.60 to 98.60): VU027906.D (-689) (-)

Ion 99.90 (99.60 to 100.60): VU027906.D (-689) (-)

3.45

50000

40000

30000

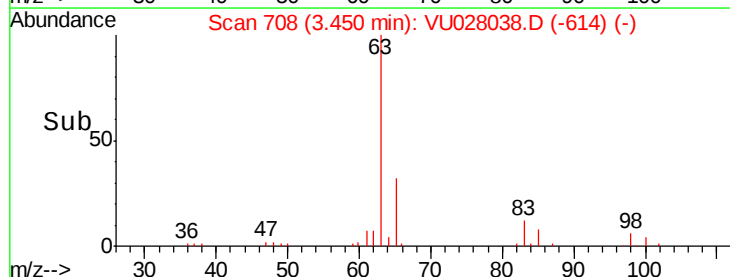
20000

10000

0

Time-->

3.40 3.50





#25

2-Butanone

Concen: 95.345 ug/l

RT: 4.26 min Scan# 961

Delta R.T. -0.00 min

Lab File: VU028038.D

Acq: 09 Nov 2018 12:41

Instrument :

MSVOA_U

ClientSampleId :

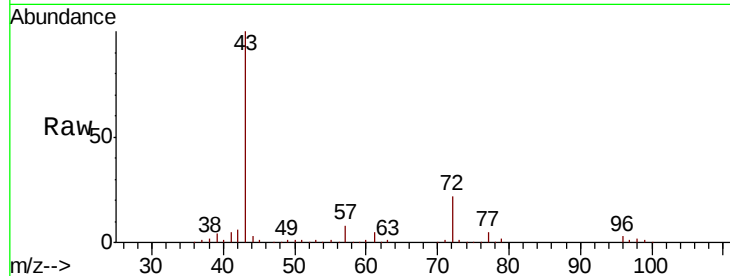
VU1109WBS01

Tot Ion: 43 Resp: 254003

Ion Ratio Lower Upper

43 100

72 22.2 17.7 26.5



Abundance Ion 43.00 (42.70 to 43.70): VU028038.D (-868) (-)

Ion 72.00 (71.70 to 72.70): VU028038.D (-868) (-)

120000

100000

80000

60000

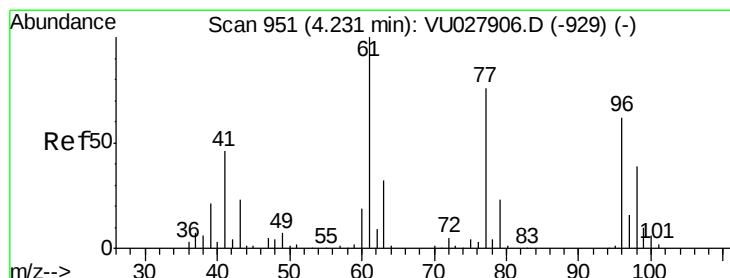
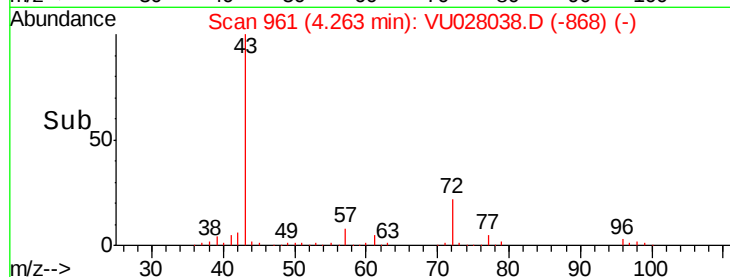
40000

20000

0

4.20 4.26 4.30

Time-->



#26

2,2-Dichloropropane

Concen: 19.224 ug/l

RT: 4.23 min Scan# 951

Delta R.T. -0.00 min

Lab File: VU028038.D

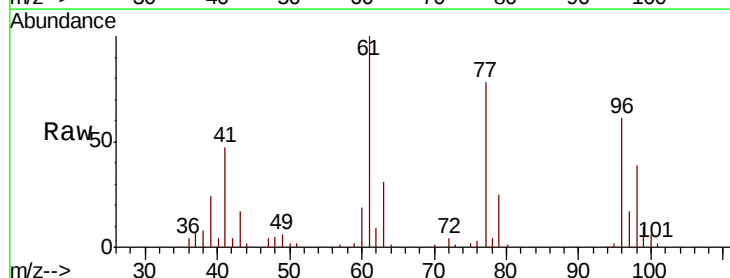
Acq: 09 Nov 2018 12:41

Tgt Ion: 77 Resp: 68985

Ion Ratio Lower Upper

77 100

97 22.5 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VU028038.D (-858) (-)

Ion 96.90 (96.60 to 97.60): VU028038.D (-858) (-)

30000

25000

20000

15000

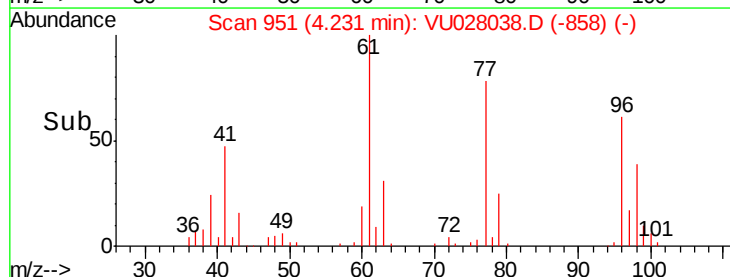
10000

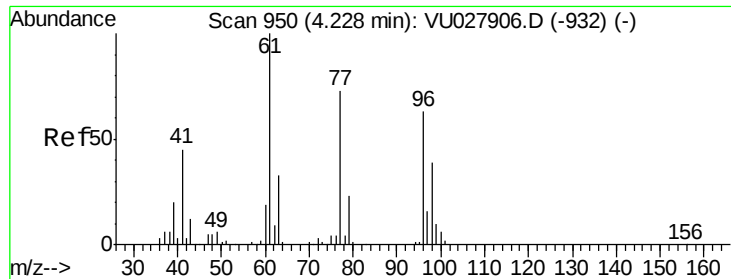
5000

0

4.10 4.20 4.23 4.30

Time-->



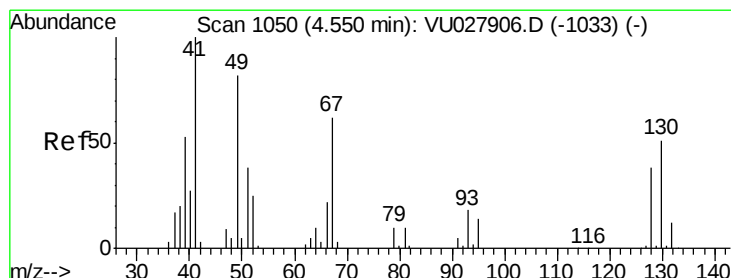
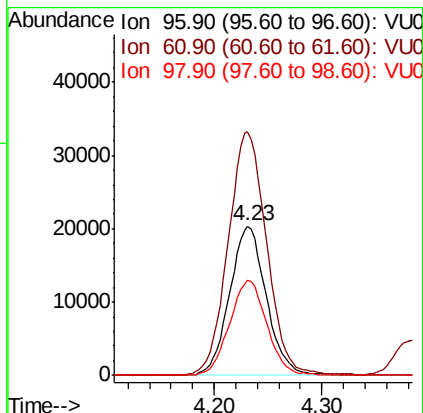
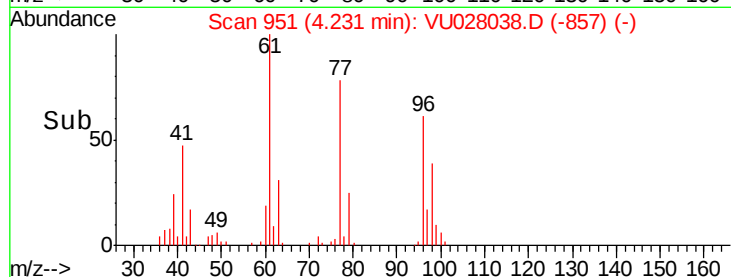
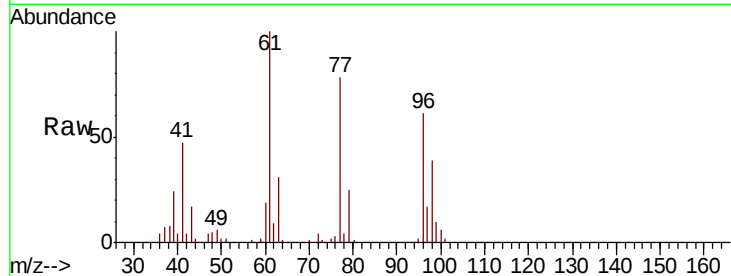


#27

cis-1,2-Dichloroethene
Concen: 19.511 ug/l
RT: 4.23 min Scan# 951
Delta R.T. 0.00 min
Lab File: VU028038.D
Acq: 09 Nov 2018 12:41

Instrument :
MSVOA_U
ClientSampleId :
VU1109WBS01

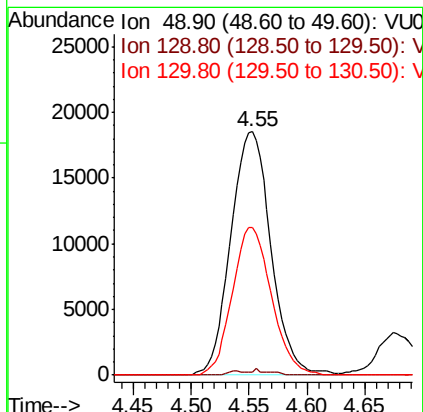
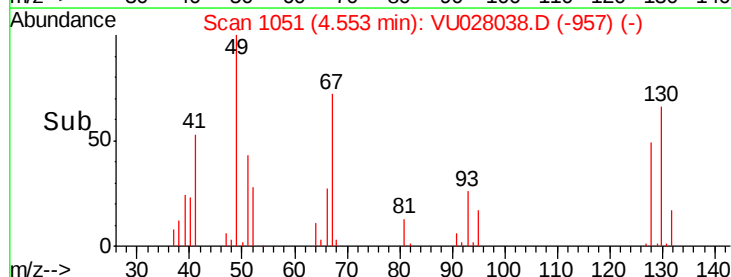
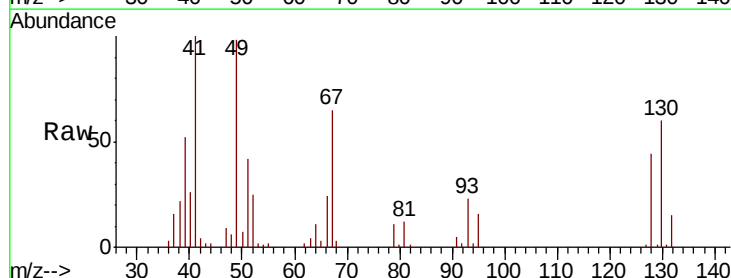
Tot Ion	Ratio	Lower	Upper
96	100		
61	171.7	0.0	329.6
98	64.9	0.0	127.2

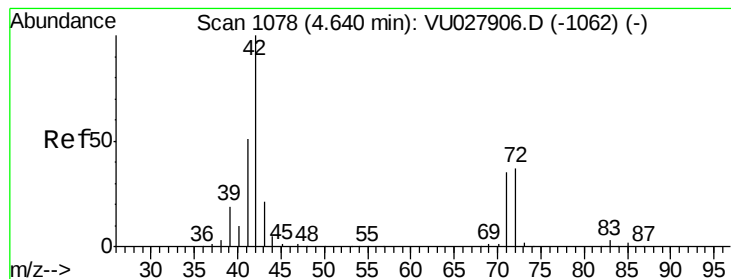


#28

Bromochloromethane
Concen: 19.895 ug/l
RT: 4.55 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VU028038.D
Acq: 09 Nov 2018 12:41

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	3.0
130	59.0	47.8	71.6

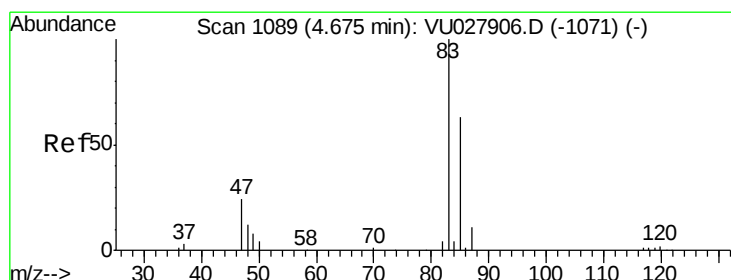
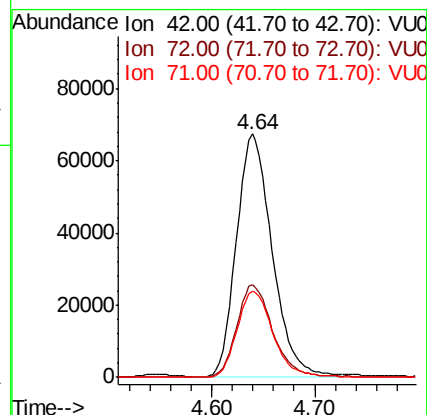
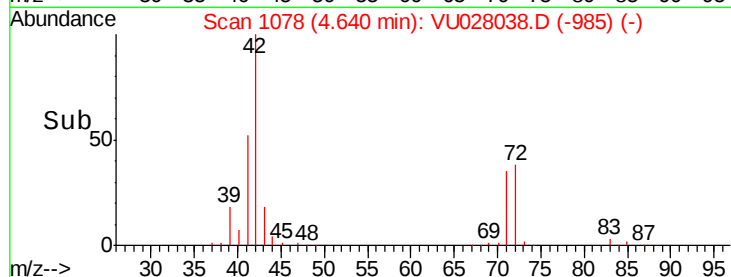
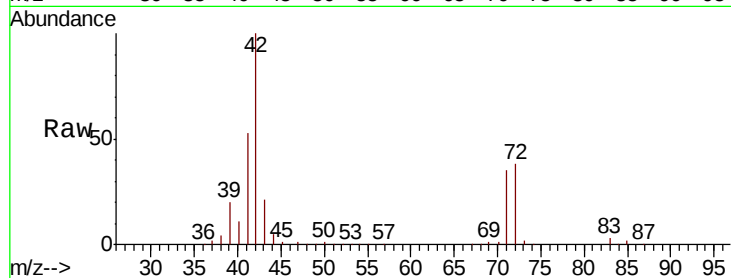




#29
Tetrahydrofuran
Concen: 91.193 ug/l
RT: 4.64 min Scan# 1078
Delta R.T. -0.00 min
Lab File: VU028038.D
Acq: 09 Nov 2018 12:41

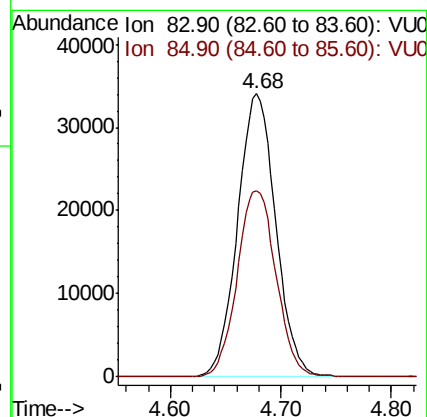
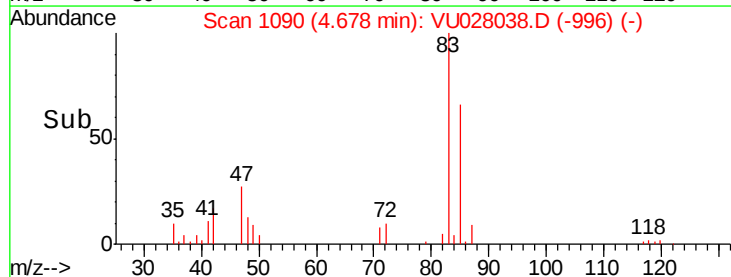
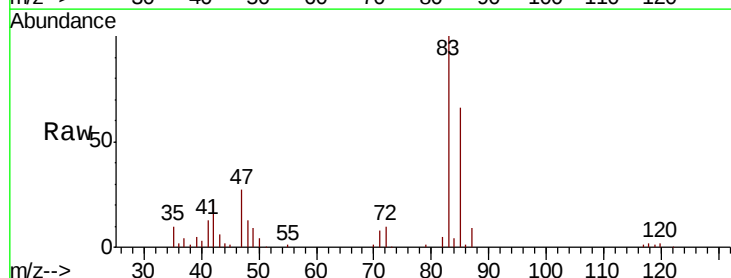
Instrument :
MSVOA_U
ClientSampleId :
VU1109WBS01

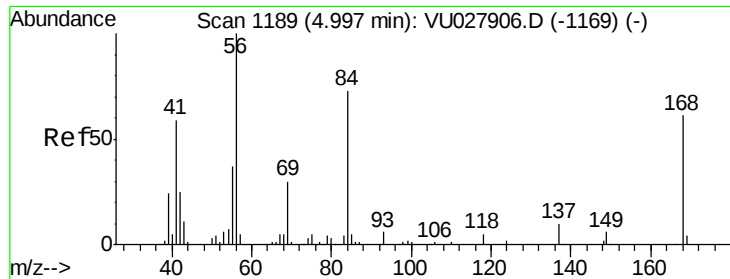
Tot Ion: 42 Resp: 162222
Ion Ratio Lower Upper
42 100
72 38.2 29.4 44.0
71 35.7 27.9 41.9



#30
Chloroform
Concen: 18.613 ug/l
RT: 4.68 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VU028038.D
Acq: 09 Nov 2018 12:41

Tgt Ion: 83 Resp: 81607
Ion Ratio Lower Upper
83 100
85 65.6 50.6 76.0

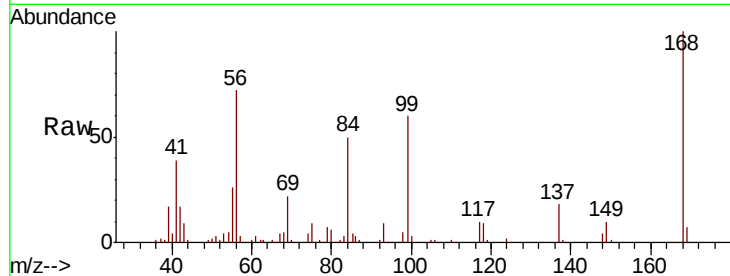




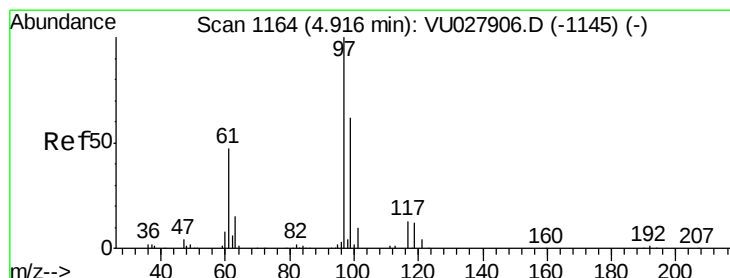
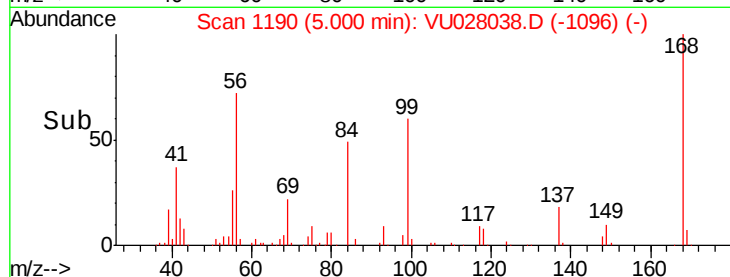
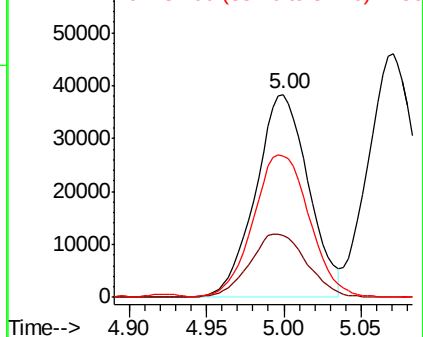
#31
Cyclohexane
Concen: 18.342 ug/l
RT: 5.00 min Scan# 1190
Delta R.T. 0.00 min
Lab File: VU028038.D
Acq: 09 Nov 2018 12:41

Instrument :
MSVOA_U
ClientSampleId :
VU1109WBS01

Tot Ion: 56 Resp: 91091
Ion Ratio Lower Upper
56 100
69 30.5 23.7 35.5
84 69.2 58.2 87.4

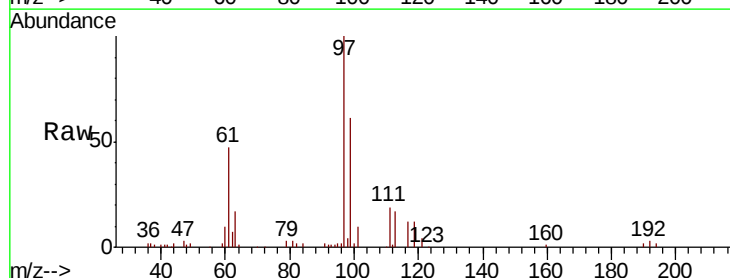


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

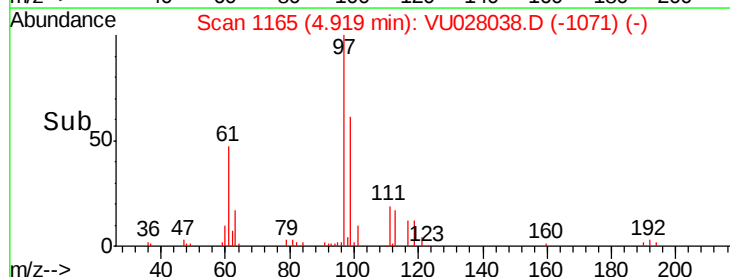
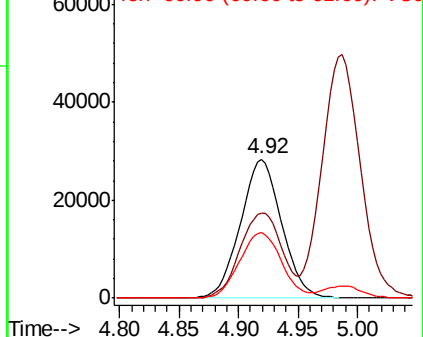


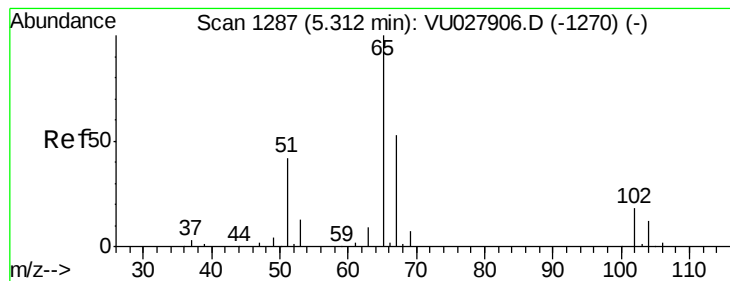
#32
1,1,1-Trichloroethane
Concen: 19.483 ug/l
RT: 4.92 min Scan# 1165
Delta R.T. 0.00 min
Lab File: VU028038.D
Acq: 09 Nov 2018 12:41

Tgt Ion: 97 Resp: 67997
Ion Ratio Lower Upper
97 100
99 62.1 50.5 75.7
61 48.2 38.3 57.5



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: 52.686 ug/l

RT: 5.31 min Scan# 1287

Delta R.T. -0.00 min

Lab File: VU028038.D

Acq: 09 Nov 2018 12:41

Instrument :

MSVOA_U

ClientSampleId :

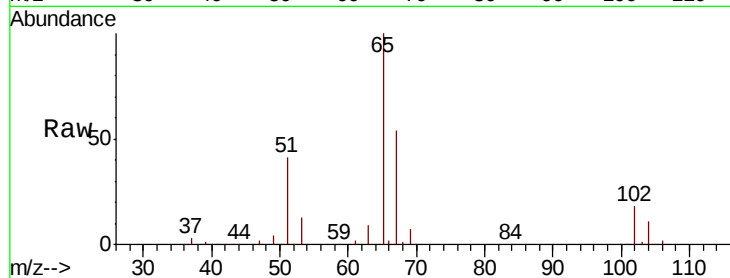
VU1109WBS01

Tot Ion: 65 Resp: 142196

Ion Ratio Lower Upper

65 100

67 54.1 0.0 109.0



Abundance Ion 64.90 (64.60 to 65.60): VU027906.D (-1270) (-)

Ion 66.90 (66.60 to 67.60): VU027906.D (-1270) (-)

5.31

60000

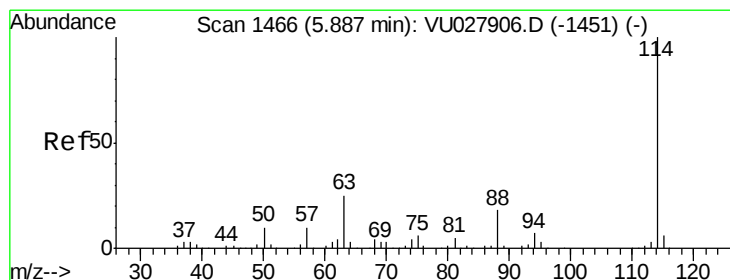
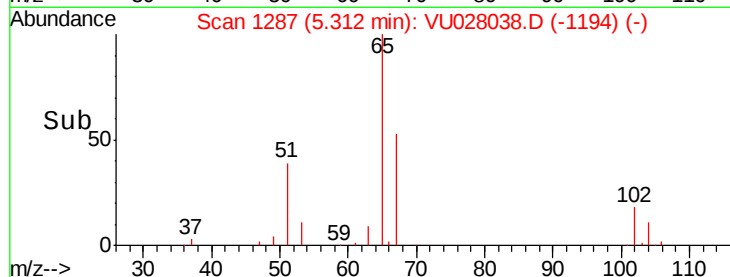
40000

20000

0

Time-->

5.25 5.30 5.35 5.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1466

Delta R.T. -0.00 min

Lab File: VU028038.D

Acq: 09 Nov 2018 12:41

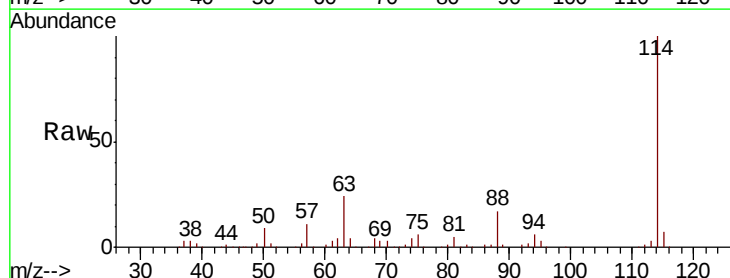
Tgt Ion: 114 Resp: 319738

Ion Ratio Lower Upper

114 100

63 23.6 0.0 50.8

88 16.7 0.0 35.8



Abundance Ion 113.90 (113.60 to 114.60): VU027906.D (-1451) (-)

Ion 63.00 (62.70 to 63.70): VU027906.D (-1451) (-)

Ion 87.90 (87.60 to 88.60): VU027906.D (-1451) (-)

5.89

200000

150000

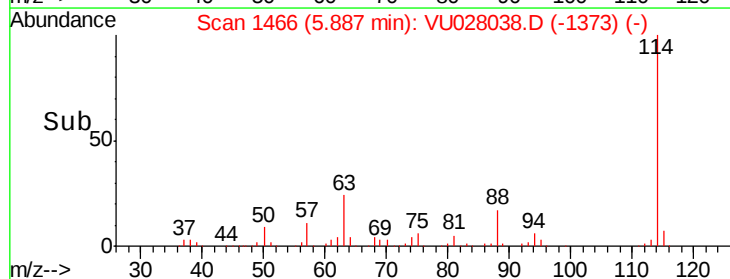
100000

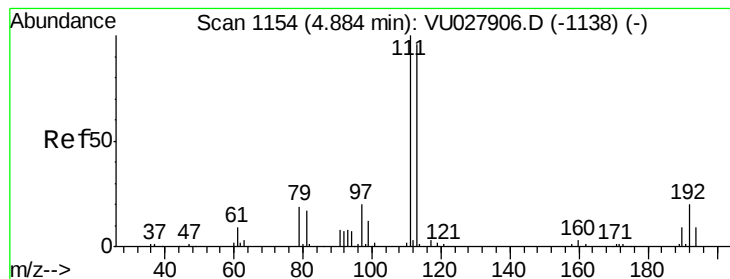
50000

0

Time-->

5.80 5.90 6.00





#35

Dibromofluoromethane

Concen: 50.723 ug/l

RT: 4.89 min Scan# 1155

Delta R.T. 0.00 min

Lab File: VU028038.D

Acq: 09 Nov 2018 12:41

Instrument :

MSVOA_U

ClientSampleId :

VU1109WBS01

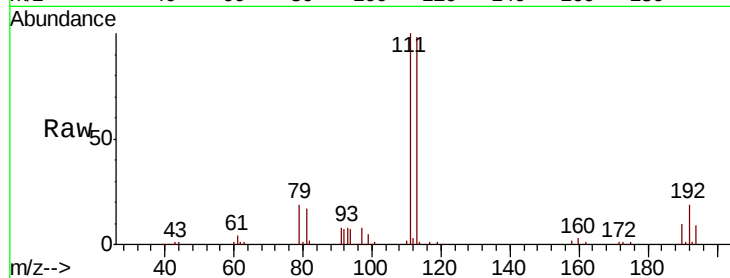
Tot Ion:113 Resp: 102258

Ion Ratio Lower Upper

113 100

111 102.9 83.0 124.6

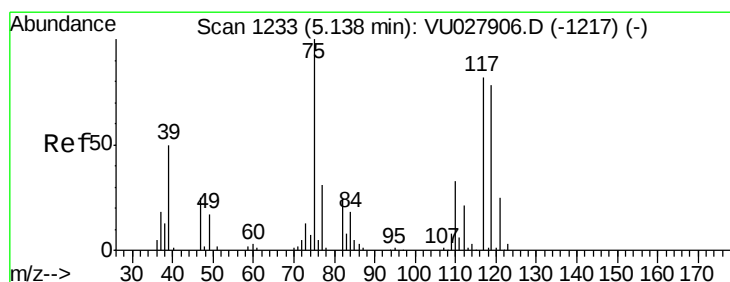
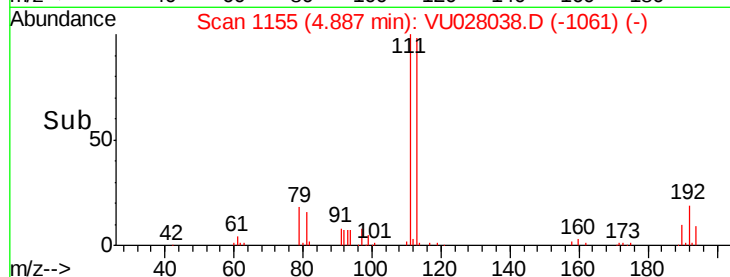
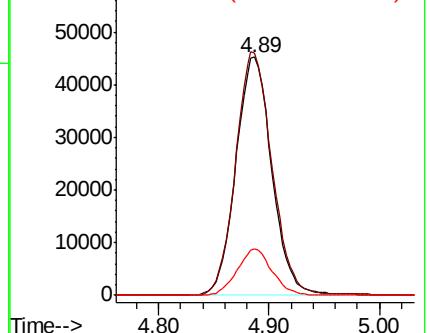
192 18.7 15.6 23.4



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 18.565 ug/l

RT: 5.14 min Scan# 1234

Delta R.T. 0.00 min

Lab File: VU028038.D

Acq: 09 Nov 2018 12:41

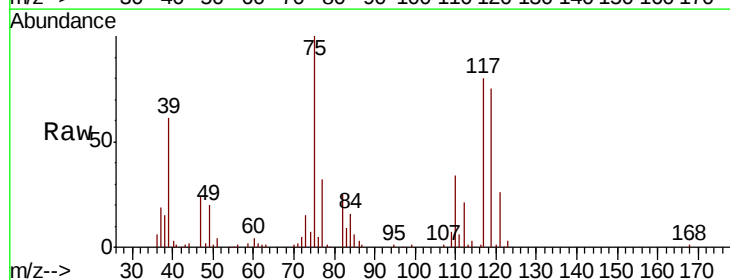
Tgt Ion: 75 Resp: 62169

Ion Ratio Lower Upper

75 100

110 33.0 16.5 49.5

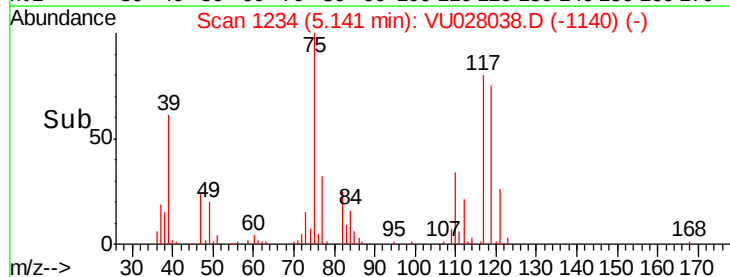
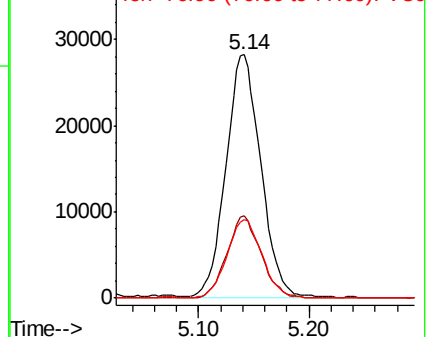
77 32.3 24.9 37.3

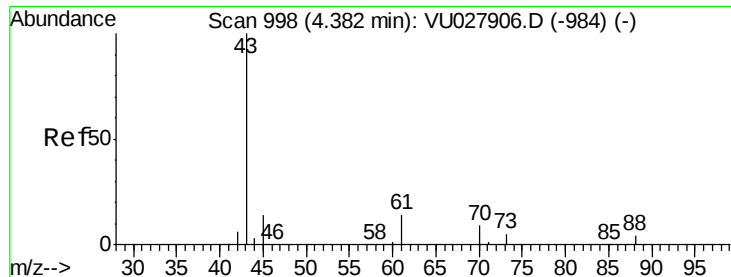


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0





#37

Ethyl Acetate

Concen: 18.906 ug/l

RT: 4.38 min Scan# 998

Delta R.T. -0.00 min

Lab File: VU028038.D

Acq: 09 Nov 2018 12:41

Instrument :

MSVOA_U

ClientSampleId :

VU1109WBS01

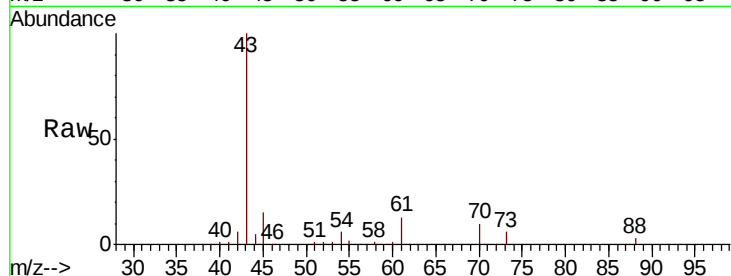
Tot Ion: 43 Resp: 92766

Ion Ratio Lower Upper

43 100

61 13.5 10.3 15.5

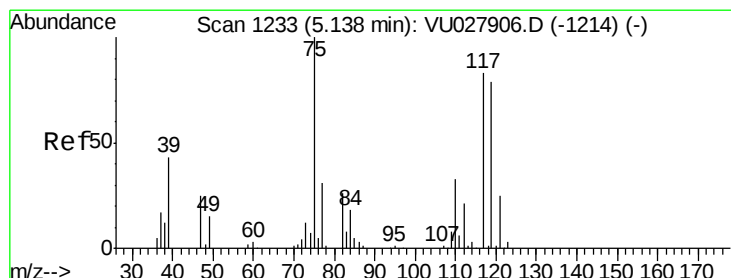
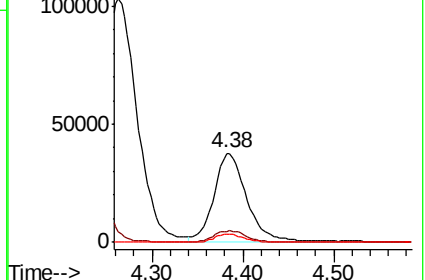
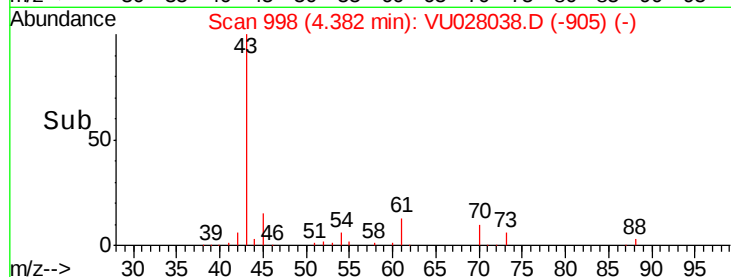
70 8.6 7.0 10.6



Abundance Ion 43.00 (42.70 to 43.70): VU028038.D (-905) (-)

Ion 60.90 (60.60 to 61.60): VU028038.D (-905) (-)

Ion 70.00 (69.70 to 70.70): VU028038.D (-905) (-)



#38

Carbon Tetrachloride

Concen: 18.158 ug/l

RT: 5.14 min Scan# 1233

Delta R.T. -0.00 min

Lab File: VU028038.D

Acq: 09 Nov 2018 12:41

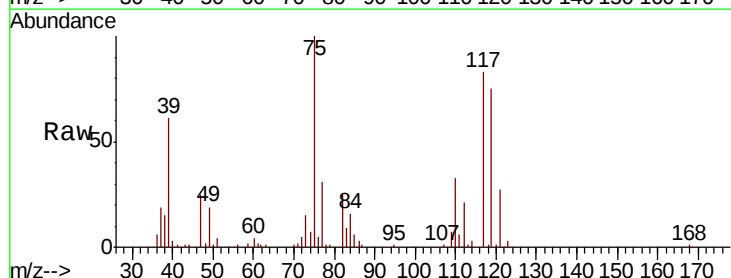
Tgt Ion: 117 Resp: 53888

Ion Ratio Lower Upper

117 100

119 90.6 76.0 114.0

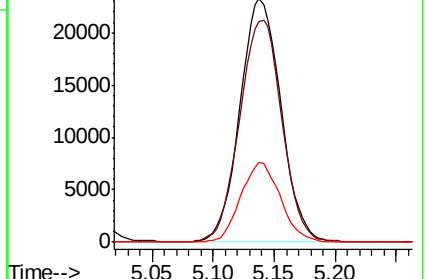
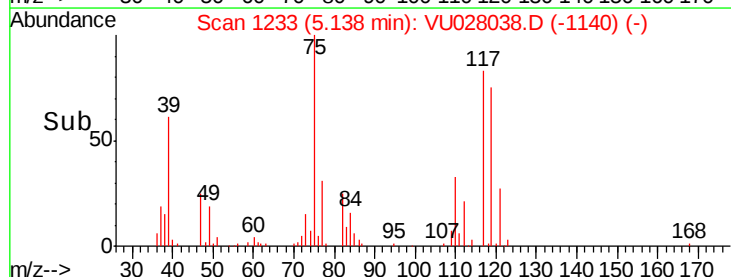
121 32.6 24.5 36.7

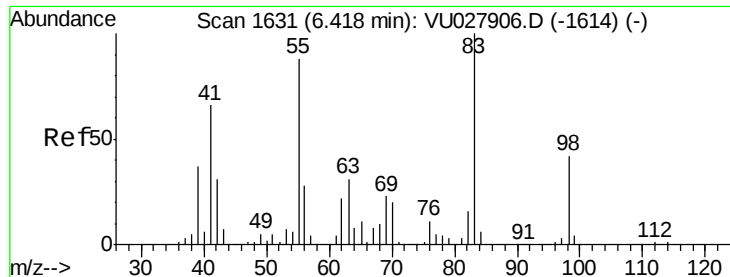


Abundance Ion 116.80 (116.50 to 117.50): VU028038.D (-1140) (-)

Ion 118.80 (118.50 to 119.50): VU028038.D (-1140) (-)

Ion 120.80 (120.50 to 121.50): VU028038.D (-1140) (-)

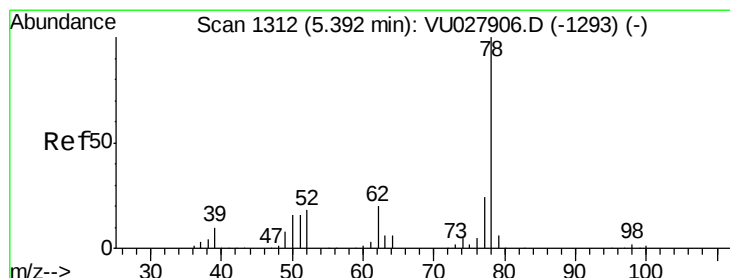
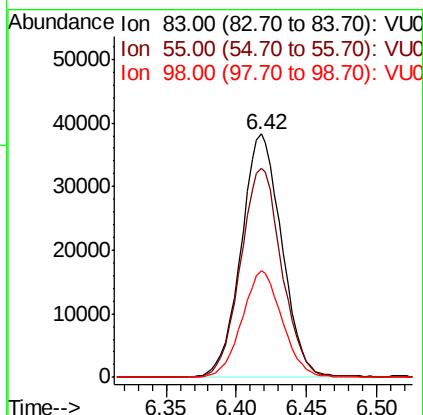
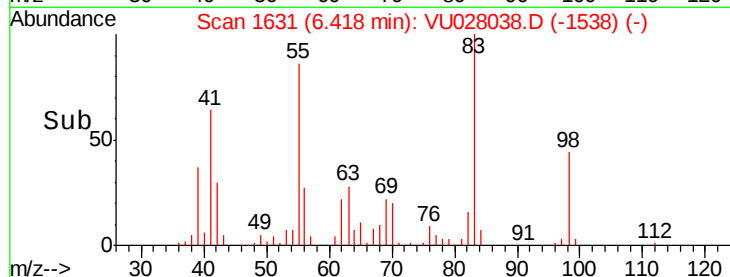
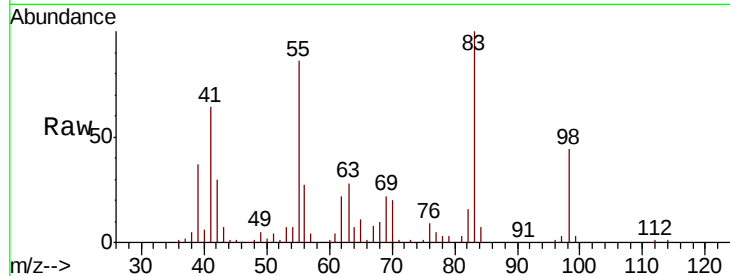




#39
Methvlcvclohexane
Concen: 19.122 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. -0.00 min
Lab File: VU028038.D
Acq: 09 Nov 2018 12:41

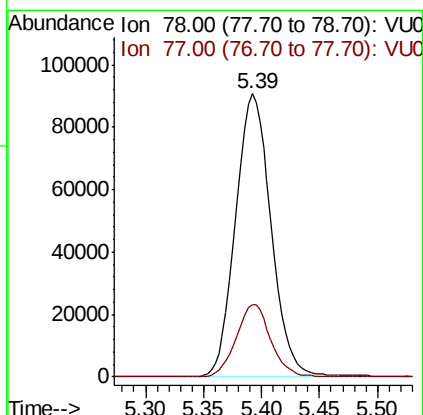
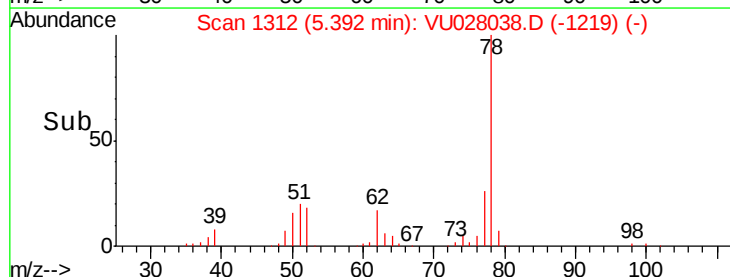
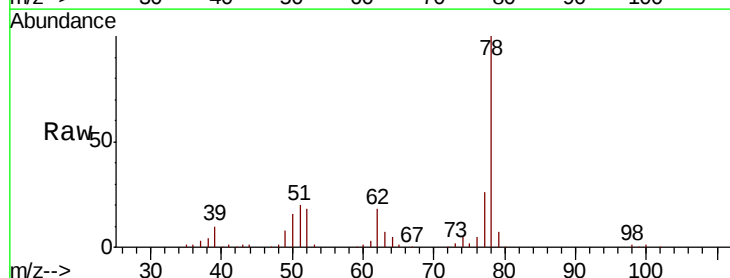
Instrument :
MSVOA_U
ClientSampleId :
VU1109WBS01

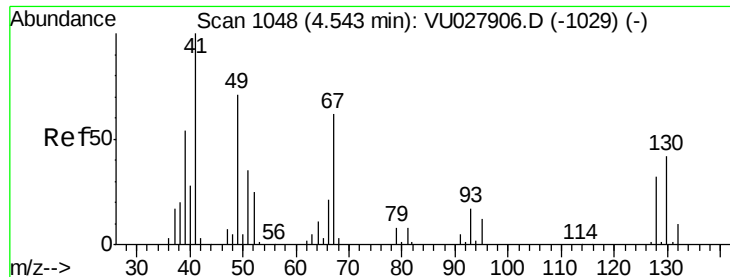
Tot Ion: 83 Resp: 77234
Ion Ratio Lower Upper
83 100
55 86.0 70.3 105.5
98 44.0 34.0 51.0



#40
Benzene
Concen: 18.809 ug/l
RT: 5.39 min Scan# 1312
Delta R.T. -0.00 min
Lab File: VU028038.D
Acq: 09 Nov 2018 12:41

Tgt Ion: 78 Resp: 192571
Ion Ratio Lower Upper
78 100
77 25.7 19.3 28.9

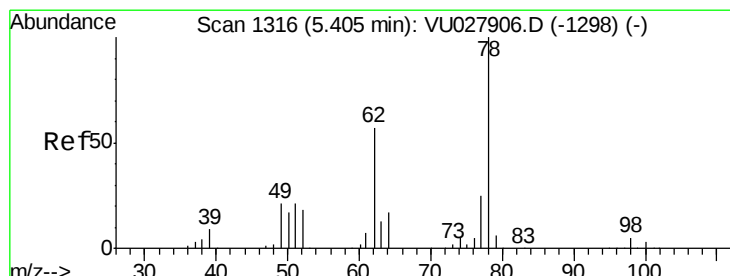
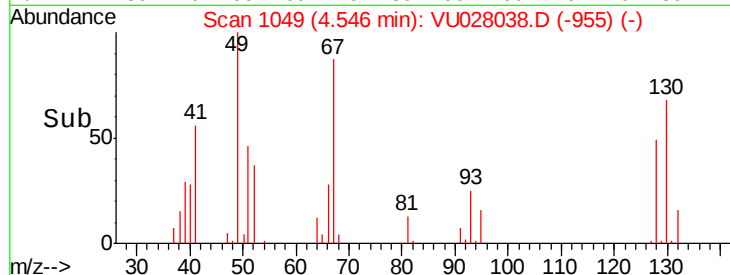
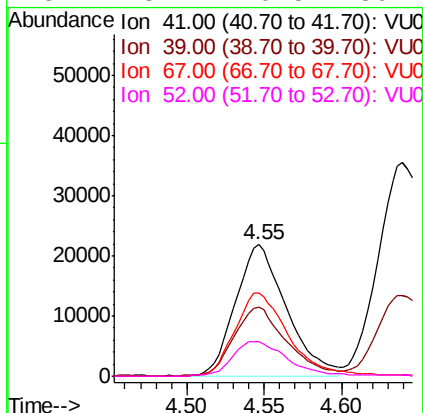
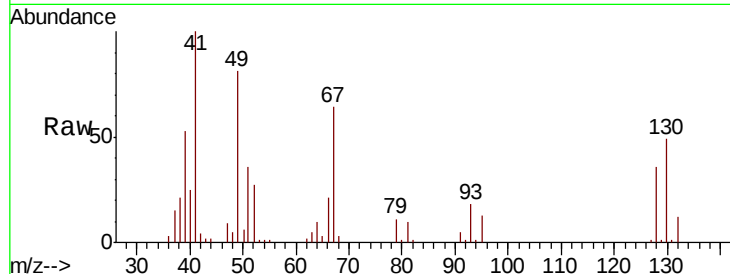




#41
Methacrylonitrile
Concen: 19.146 ug/l
RT: 4.55 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VU028038.D
Acq: 09 Nov 2018 12:41

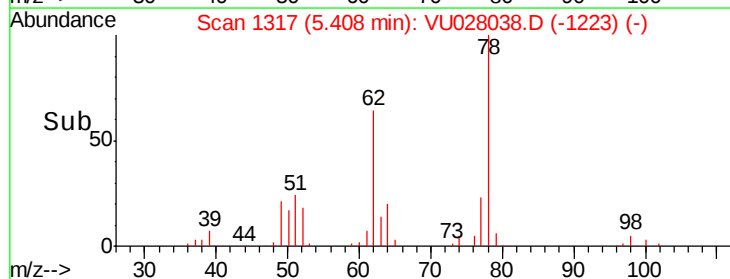
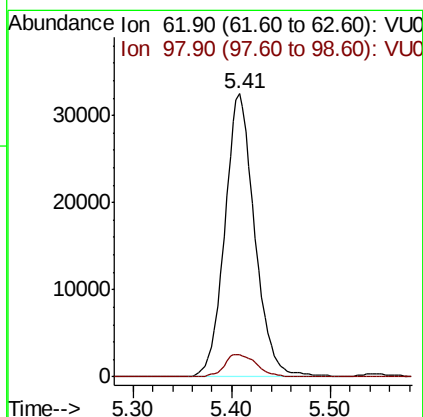
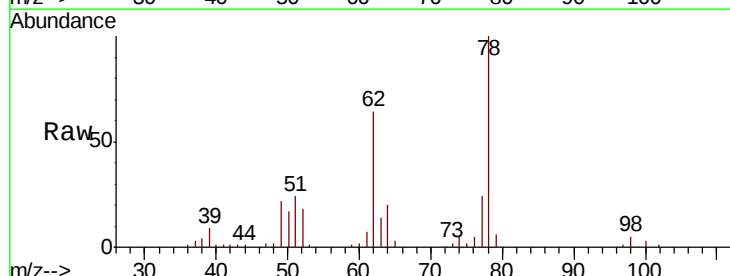
Instrument :
MSVOA_U
ClientSampleId :
VU1109WBS01

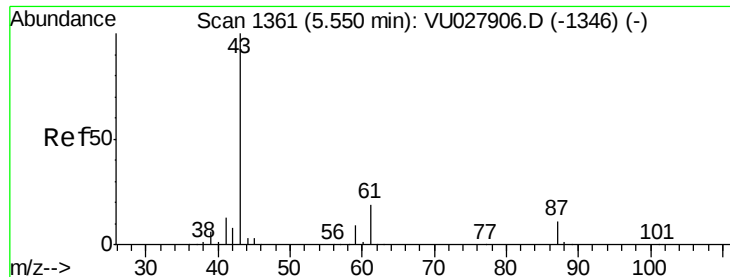
Tot Ion:	41	Resp:	50133
Ion	Ratio	Lower	Upper
41	100		
39	54.8	42.2	63.4
67	66.6	49.5	74.3
52	28.1	20.5	30.7



#42
1,2-Dichloroethane
Concen: 18.909 ug/l
RT: 5.41 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VU028038.D
Acq: 09 Nov 2018 12:41

Tgt Ion:	62	Resp:	68816
Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	17.2





#43

Isopropyl Acetate

Concen: 18.876 ug/l

RT: 5.55 min Scan# 1361

Delta R.T. -0.00 min

Lab File: VU028038.D

Acq: 09 Nov 2018 12:41

Instrument :

MSVOA_U

ClientSampleId :

VU1109WBS01

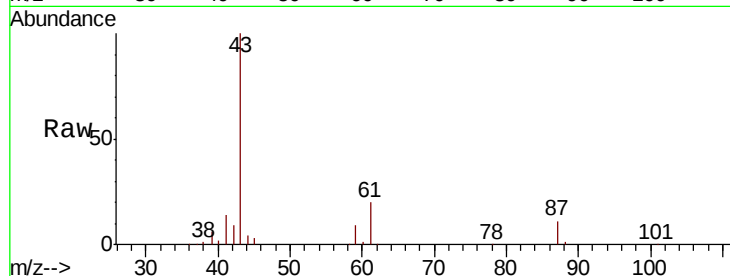
Tot Ion: 43 Resp: 145102

Ion Ratio Lower Upper

43 100

61 18.5 15.0 22.4

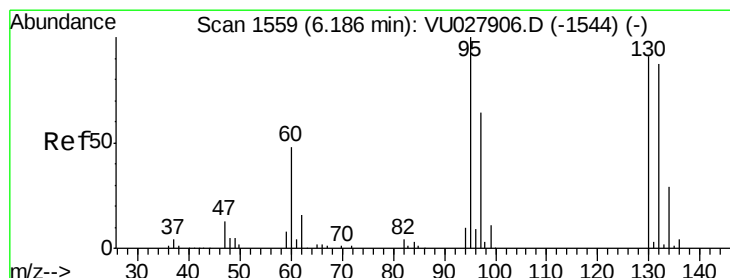
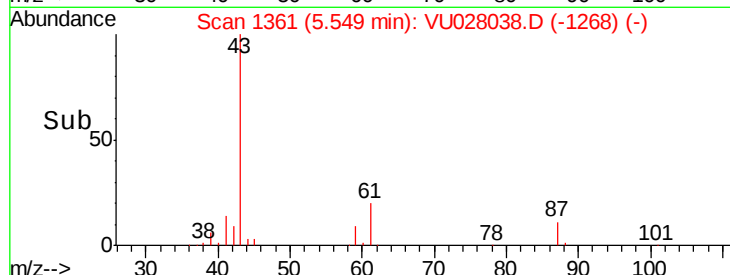
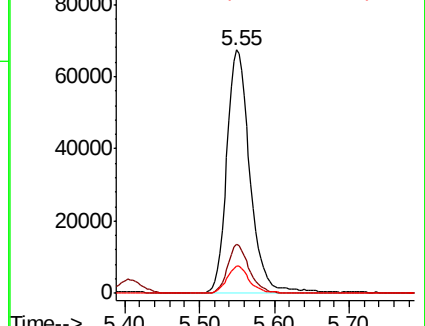
87 10.5 8.6 12.8



Abundance Ion 43.00 (42.70 to 43.70): VU027906.D (-1346) (-)

Ion 61.00 (60.70 to 61.70): VU027906.D (-1346) (-)

Ion 87.00 (86.70 to 87.70): VU027906.D (-1346) (-)



#44

Trichloroethene

Concen: 18.946 ug/l

RT: 6.19 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VU028038.D

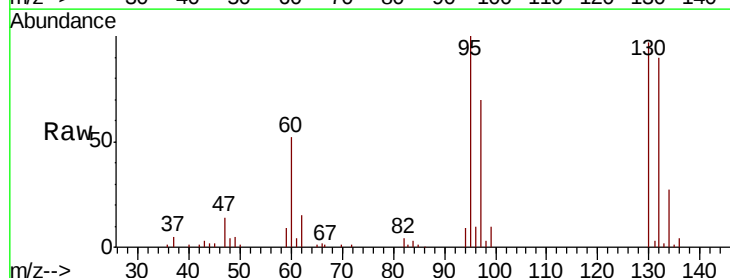
Acq: 09 Nov 2018 12:41

Tgt Ion:130 Resp: 41696

Ion Ratio Lower Upper

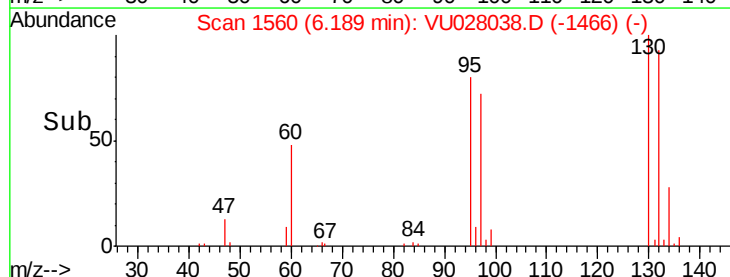
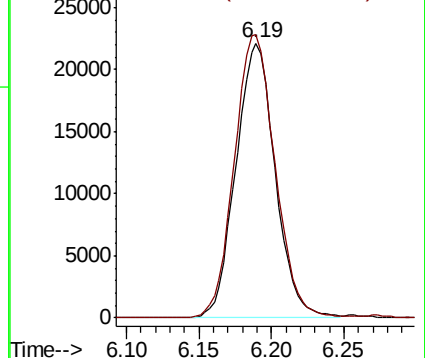
130 100

95 103.0 0.0 219.2



Abundance Ion 129.80 (129.50 to 130.50): VU027906.D (-1544) (-)

Ion 94.90 (94.60 to 95.60): VU027906.D (-1544) (-)





#45

1,2-Dichloropropane

Concen: 18.966 ug/l

RT: 6.43 min Scan# 1636

Delta R.T. -0.00 min

Lab File: VU028038.D

Acq: 09 Nov 2018 12:41

Instrument :

MSVOA_U

ClientSampleId :

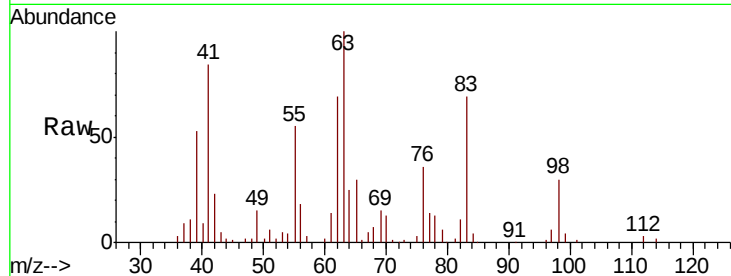
VU1109WBS01

Tot Ion: 63 Resp: 56001

Ion Ratio Lower Upper

63 100

65 29.7 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VU027906.D (-1620) (-)

Ion 64.90 (64.60 to 65.60): VU027906.D (-1620) (-)

6.43

30000

25000

20000

15000

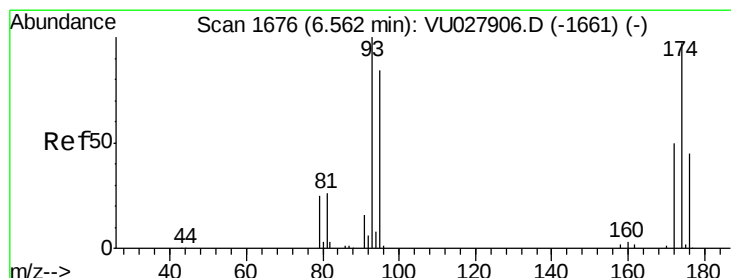
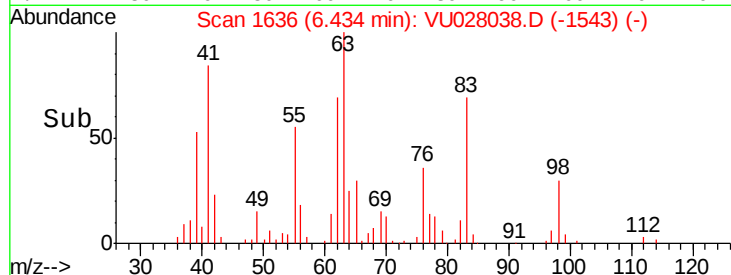
10000

5000

0

6.35 6.40 6.45 6.50 6.55

Time-->



#46

Dibromomethane

Concen: 19.054 ug/l

RT: 6.56 min Scan# 1676

Delta R.T. -0.00 min

Lab File: VU028038.D

Acq: 09 Nov 2018 12:41

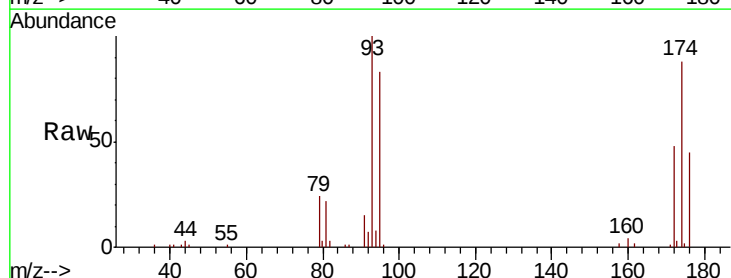
Tgt Ion: 93 Resp: 32339

Ion Ratio Lower Upper

93 100

95 84.1 68.5 102.7

174 91.6 76.1 114.1



Abundance Ion 92.80 (92.50 to 93.50): VU027906.D (-1661) (-)

Ion 94.80 (94.50 to 95.50): VU027906.D (-1661) (-)

Ion 173.70 (173.40 to 174.40): VU027906.D (-1661) (-)

6.56

20000

15000

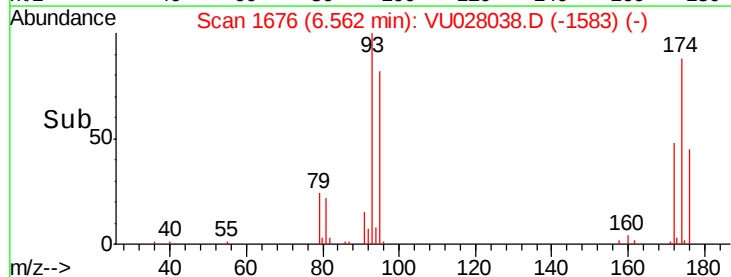
10000

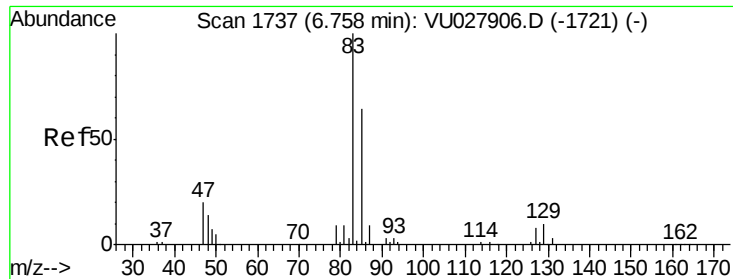
5000

0

6.50 6.55 6.60 6.65

Time-->

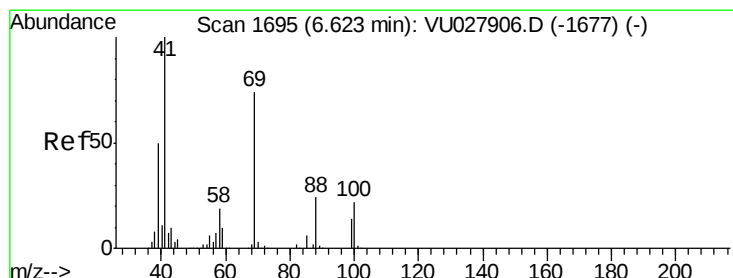
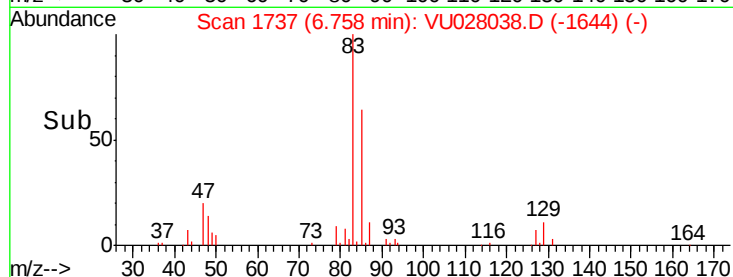
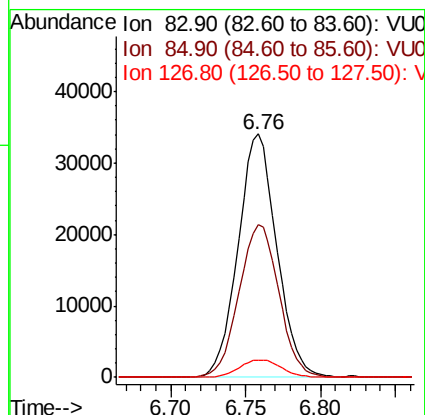
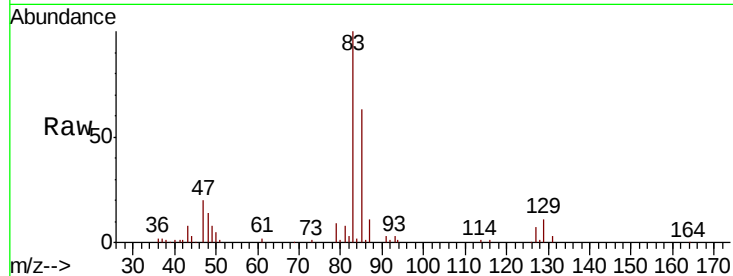




#47
 Bromodichloromethane
 Concen: 18.774 ug/l
 RT: 6.76 min Scan# 1737
 Delta R.T. -0.00 min
 Lab File: VU028038.D
 Acq: 09 Nov 2018 12:41

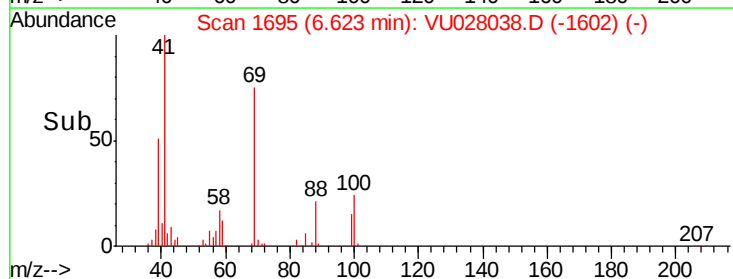
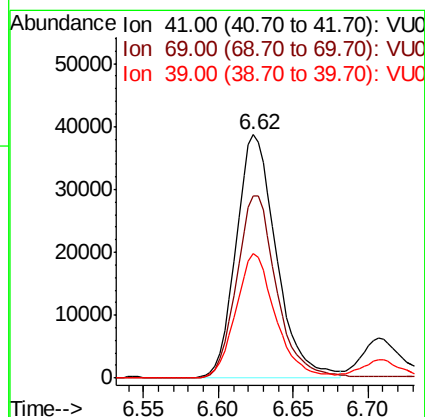
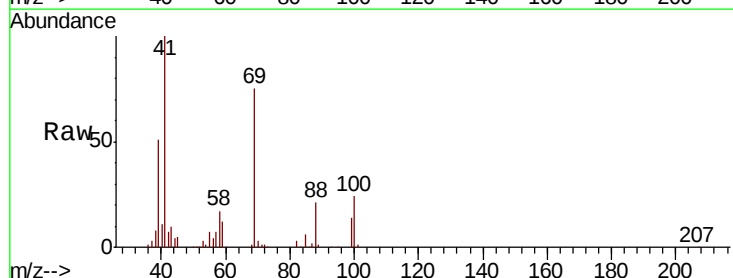
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1109WBS01

Tot Ion: 83 Resp: 61406
 Ion Ratio Lower Upper
 83 100
 85 62.5 51.0 76.6
 127 7.1 6.2 9.4



#48
 Methyl methacrylate
 Concen: 19.276 ug/l
 RT: 6.62 min Scan# 1695
 Delta R.T. -0.00 min
 Lab File: VU028038.D
 Acq: 09 Nov 2018 12:41

Tgt Ion: 41 Resp: 72615
 Ion Ratio Lower Upper
 41 100
 69 74.5 59.8 89.8
 39 49.5 40.0 60.0

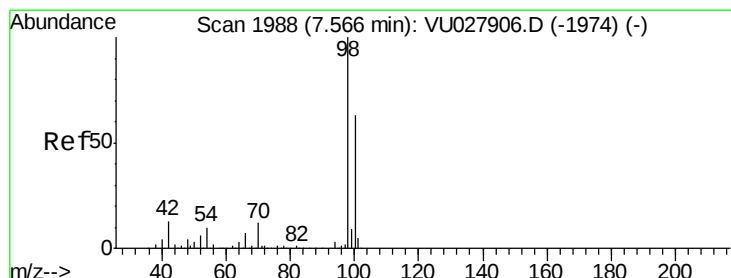
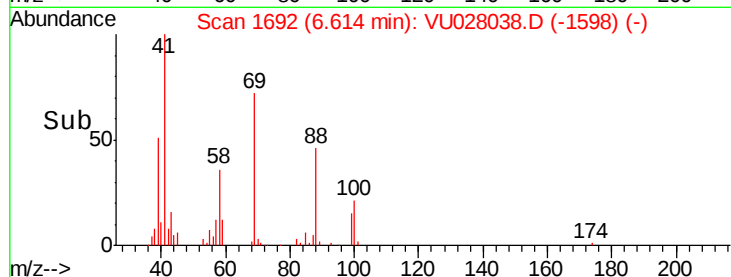
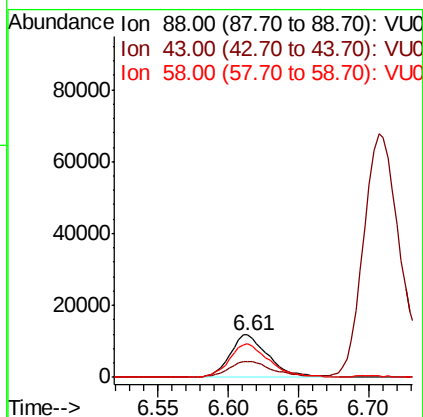
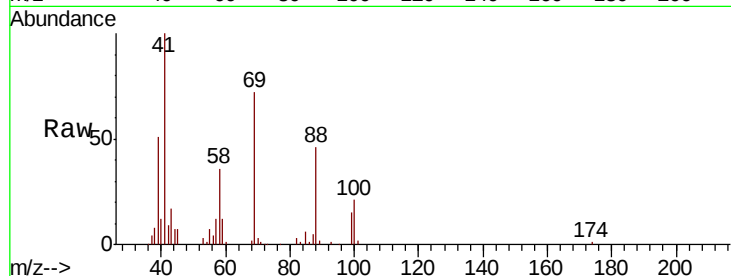




#49
1,4-Dioxane
Concen: 367.849 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VU028038.D
Acq: 09 Nov 2018 12:41

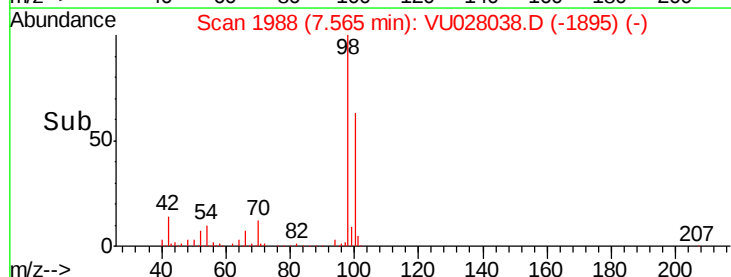
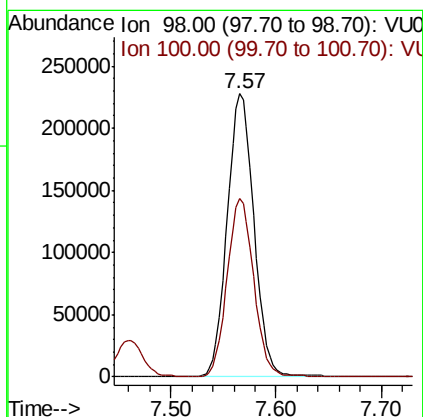
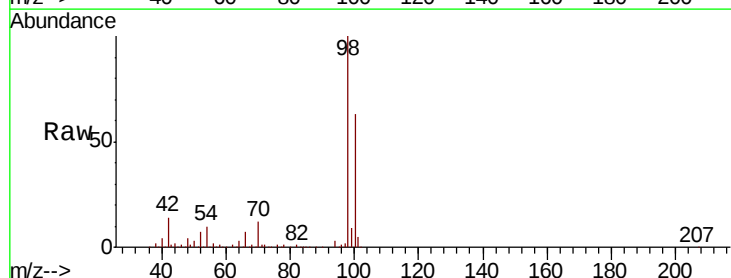
Instrument :
MSVOA_U
ClientSampleId :
VU1109WBS01

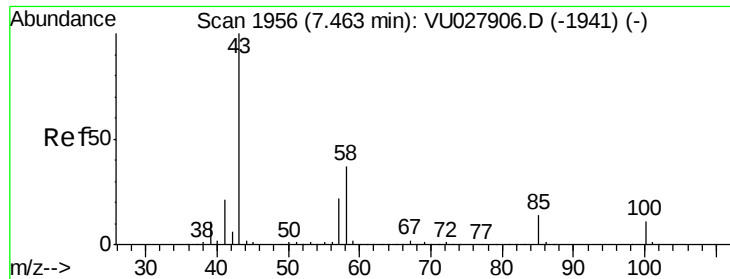
Tot Ion: 88 Resp: 22608
Ion Ratio Lower Upper
88 100
43 38.7 30.5 45.7
58 81.4 67.1 100.7



#50
Toluene-d8
Concen: 51.509 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU028038.D
Acq: 09 Nov 2018 12:41

Tgt Ion: 98 Resp: 401131
Ion Ratio Lower Upper
98 100
100 62.3 50.1 75.1





#51

4-Methyl-2-Pentanone

Concen: 92.023 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VU028038.D

Acq: 09 Nov 2018 12:41

Instrument :

MSVOA_U

ClientSampleId :

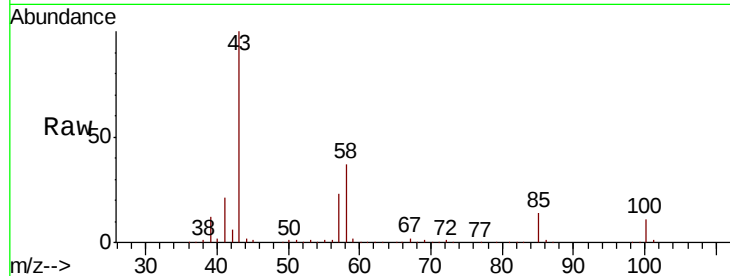
VU1109WBS01

Tot Ion: 43 Resp: 472426

Ion Ratio Lower Upper

43 100

58 37.1 29.5 44.3

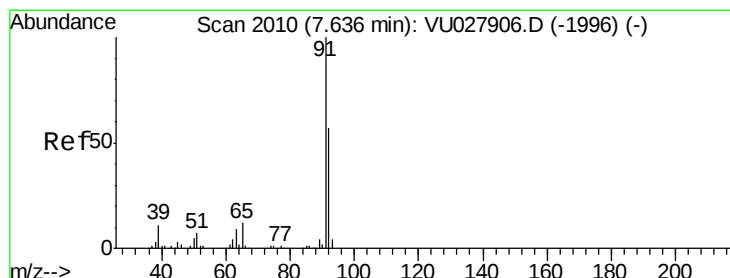
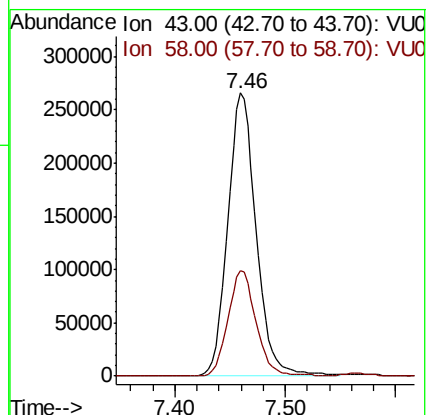
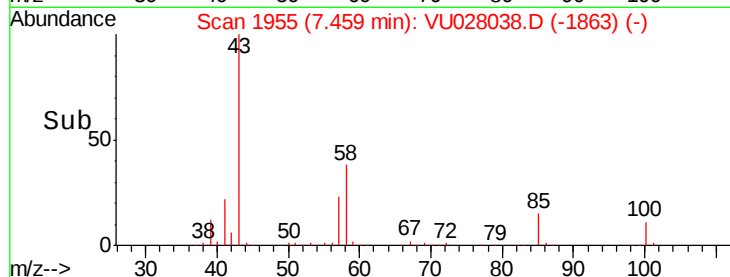


Abundance Ion 43.00 (42.70 to 43.70): VU027906.D (-1941) (-)

Ion 58.00 (57.70 to 58.70): VU027906.D (-1941) (-)

7.46

Time-->



#52

Toluene

Concen: 18.778 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU028038.D

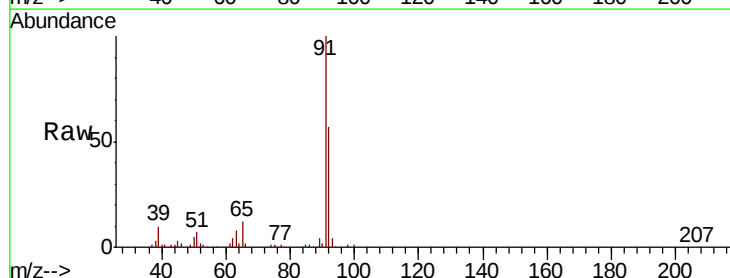
Acq: 09 Nov 2018 12:41

Tgt Ion: 92 Resp: 113026

Ion Ratio Lower Upper

92 100

91 177.0 141.2 211.8

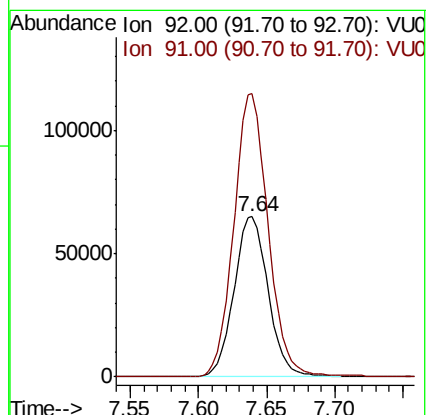
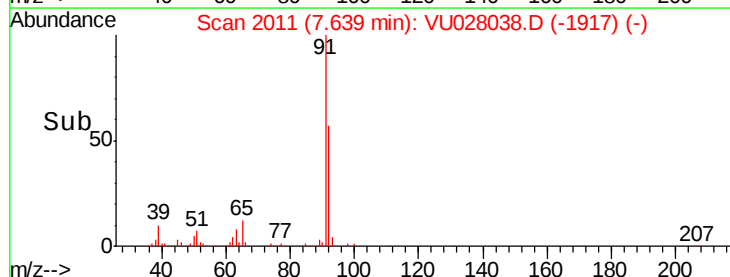


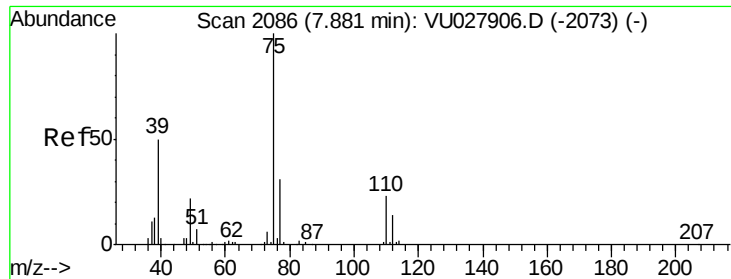
Abundance Ion 92.00 (91.70 to 92.70): VU027906.D (-1996) (-)

Ion 91.00 (90.70 to 91.70): VU027906.D (-1996) (-)

7.64

Time-->

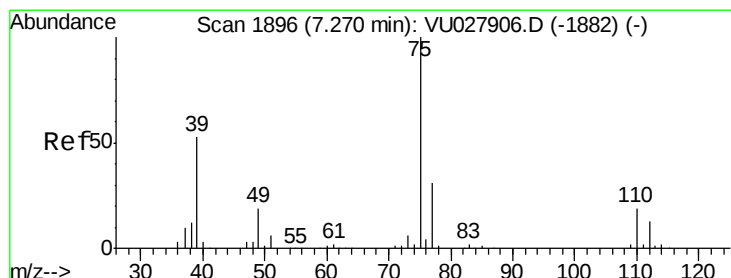
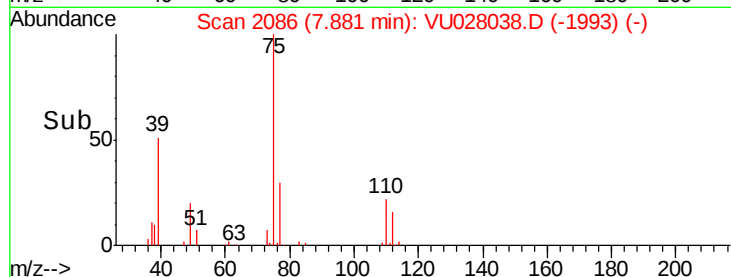
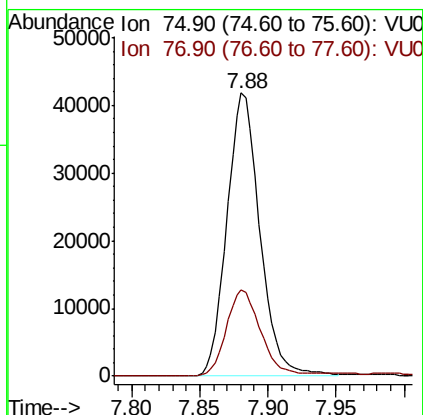
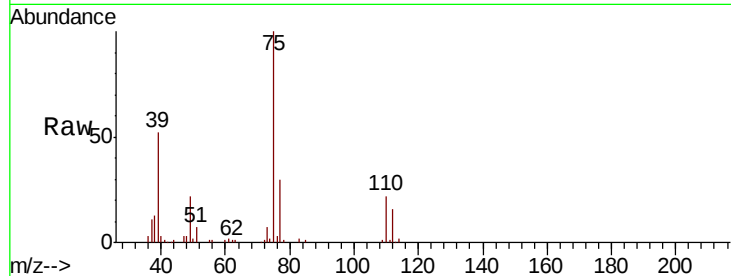




#53
t-1,3-Dichloropropene
Concen: 18.087 ug/l
RT: 7.88 min Scan# 2086
Delta R.T. 0.00 min
Lab File: VU028038.D
Acq: 09 Nov 2018 12:41

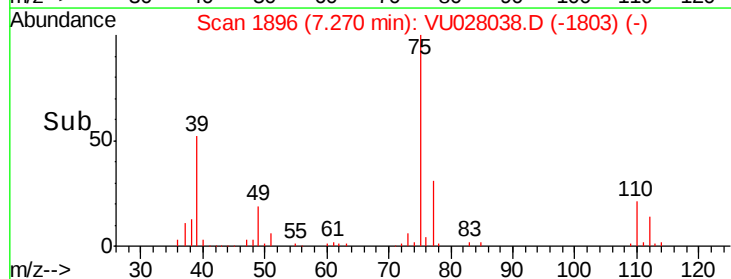
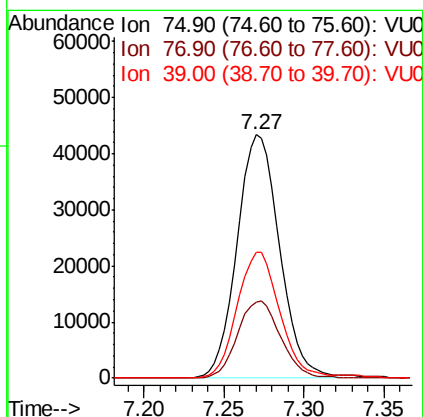
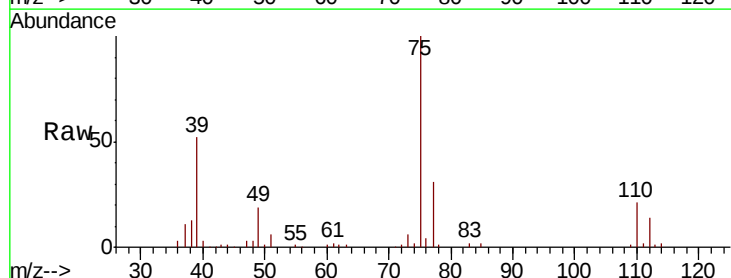
Instrument :
MSVOA_U
ClientSampleId :
VU1109WBS01

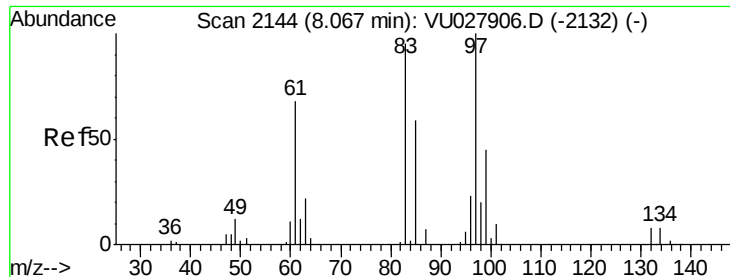
Tot Ion: 75 Resp: 70399
Ion Ratio Lower Upper
75 100
77 30.5 25.1 37.7



#54
cis-1,3-Dichloropropene
Concen: 19.502 ug/l
RT: 7.27 min Scan# 1896
Delta R.T. -0.00 min
Lab File: VU028038.D
Acq: 09 Nov 2018 12:41

Tgt Ion: 75 Resp: 78634
Ion Ratio Lower Upper
75 100
77 31.0 24.6 37.0
39 51.8 42.6 64.0

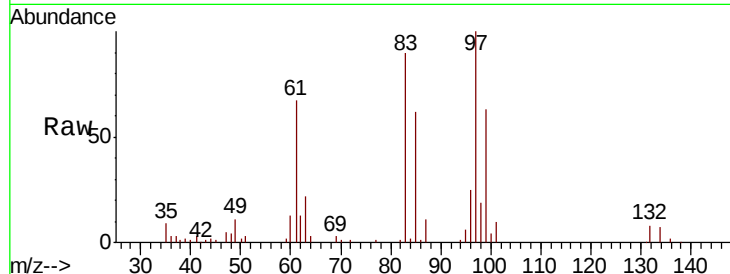




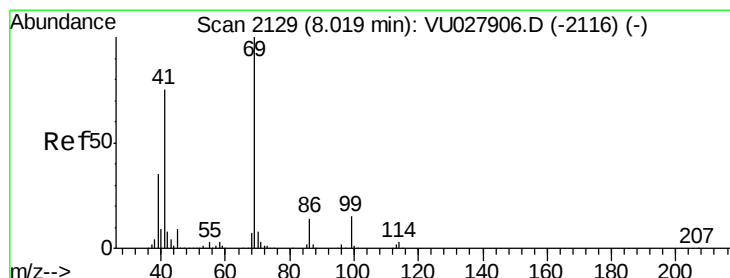
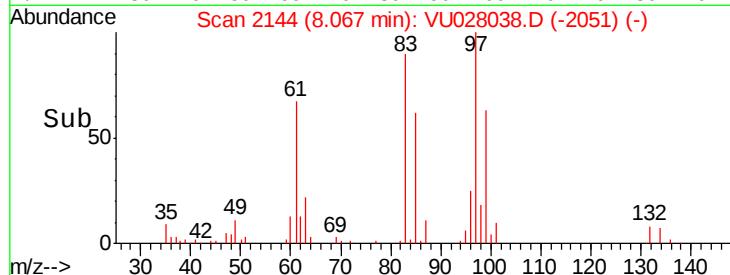
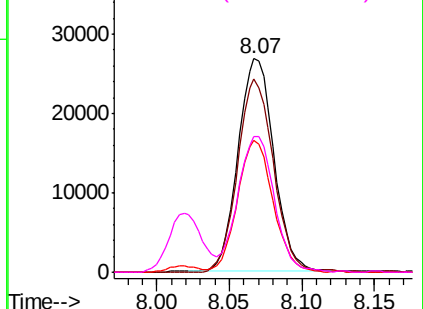
#55
 1,1,2-Trichloroethane
 Concen: 18.707 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. -0.00 min
 Lab File: VU028038.D
 Acq: 09 Nov 2018 12:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1109WBS01

Tot Ion: 97 Resp: 45810
 Ion Ratio Lower Upper
 97 100
 83 90.8 76.1 114.1
 85 61.4 48.9 73.3
 99 63.2 52.0 78.0

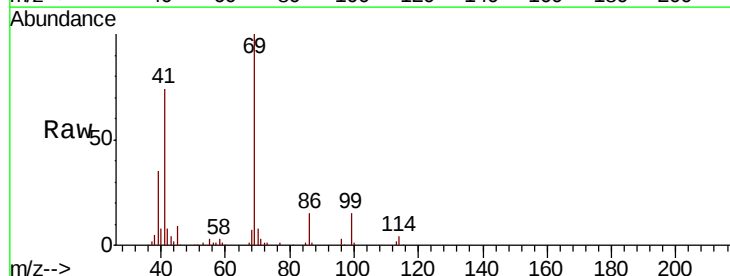


Abundance Ion 96.90 (96.60 to 97.60): VU0
 Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 98.90 (98.60 to 99.60): VU0

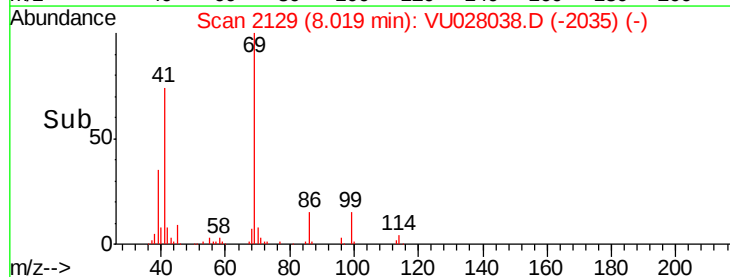
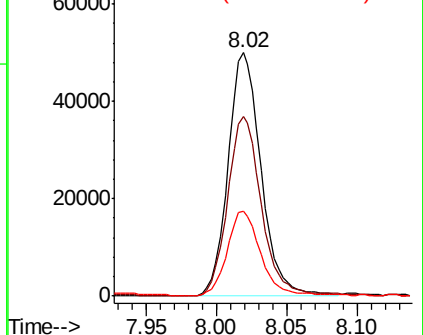


#56
 Ethyl methacrylate
 Concen: 18.956 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU028038.D
 Acq: 09 Nov 2018 12:41

Tgt Ion: 69 Resp: 81859
 Ion Ratio Lower Upper
 69 100
 41 76.4 59.8 89.6
 39 35.8 28.6 42.8



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: 18.978 ug/l

RT: 8.24 min Scan# 2199

Delta R.T. -0.00 min

Lab File: VU028038.D

Acq: 09 Nov 2018 12:41

Instrument :

MSVOA_U

ClientSampleId :

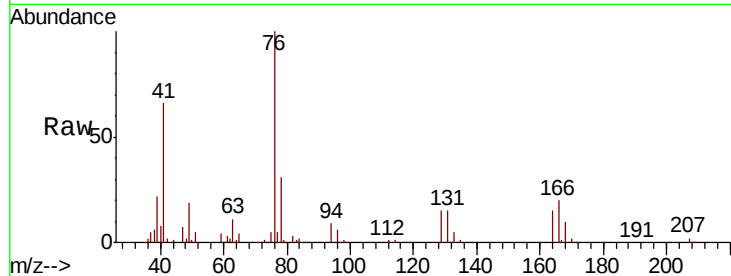
VU1109WBS01

Tot Ion: 76 Resp: 84657

Ion Ratio Lower Upper

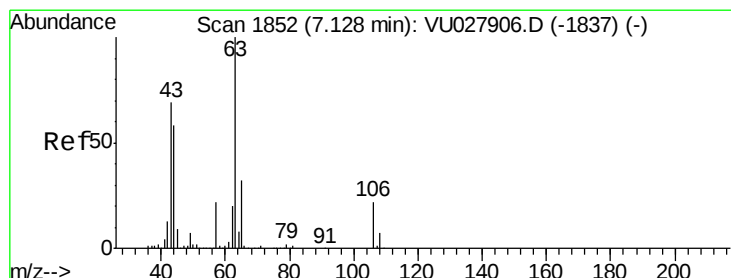
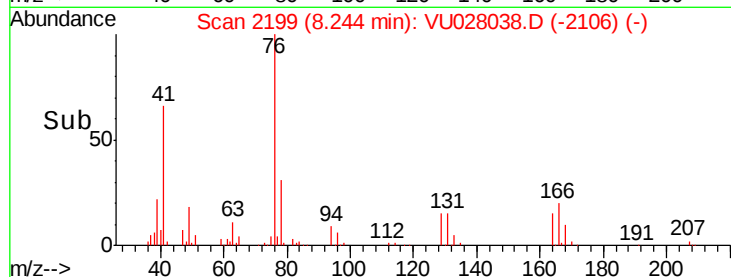
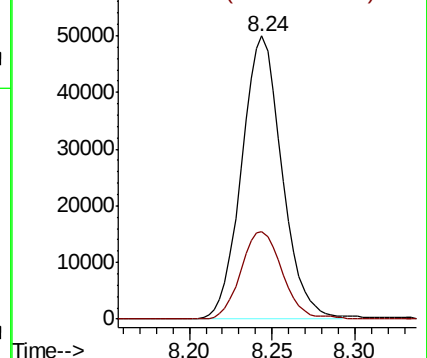
76 100

78 31.9 25.3 37.9



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#58

2-Chloroethyl Vinyl ether

Concen: 103.747 ug/l

RT: 7.13 min Scan# 1852

Delta R.T. -0.00 min

Lab File: VU028038.D

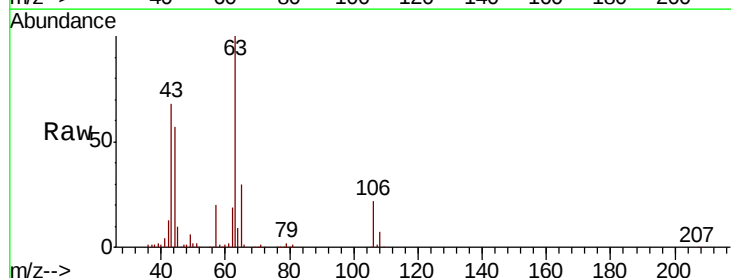
Acq: 09 Nov 2018 12:41

Tgt Ion: 63 Resp: 239952

Ion Ratio Lower Upper

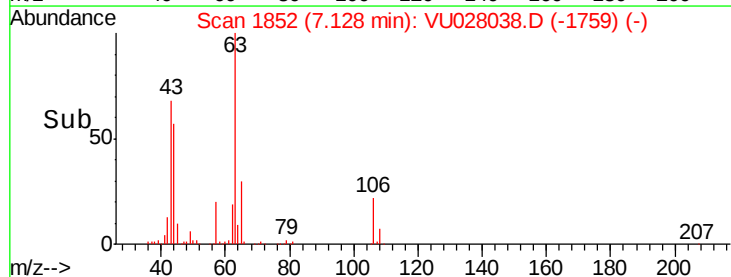
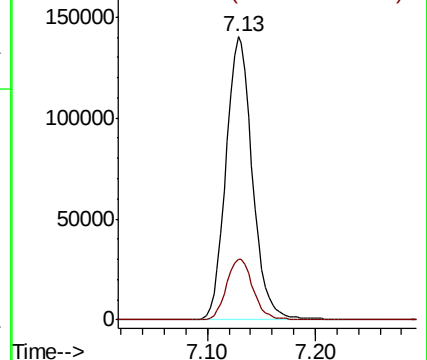
63 100

106 21.6 17.8 26.6



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V

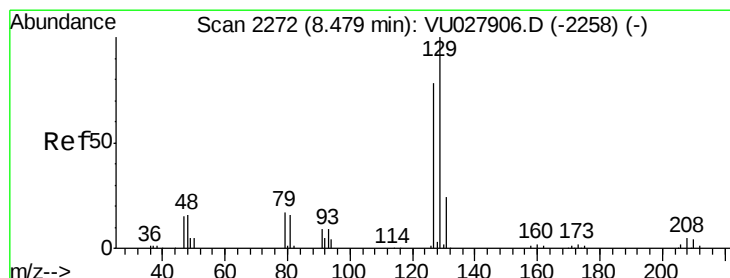
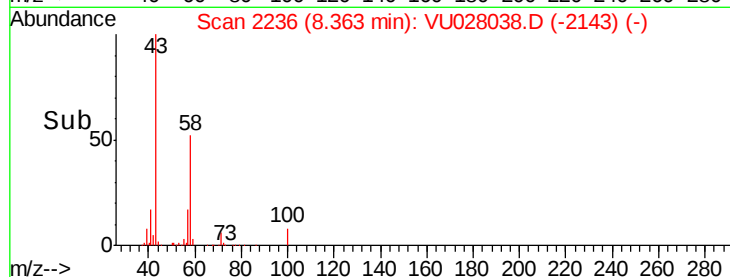
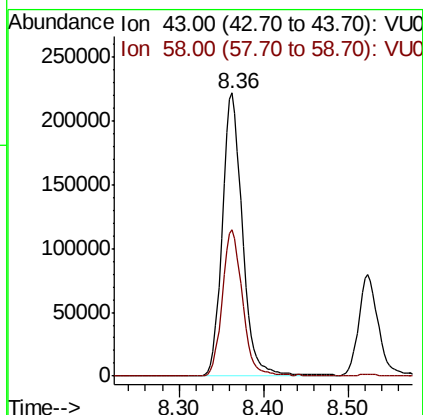
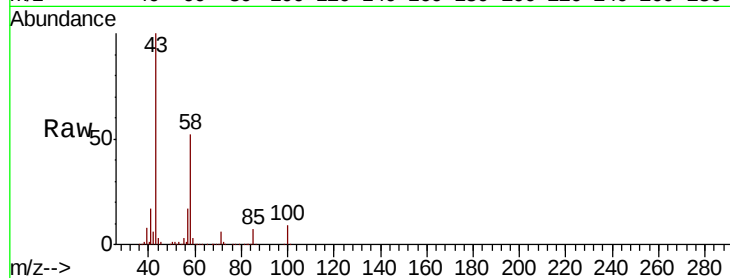




#59
2-Hexanone
Concen: 93.269 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. -0.00 min
Lab File: VU028038.D
Acq: 09 Nov 2018 12:41

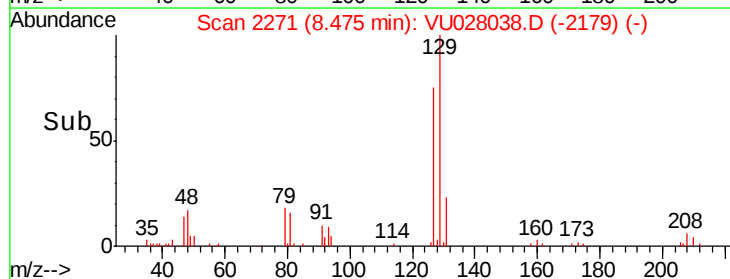
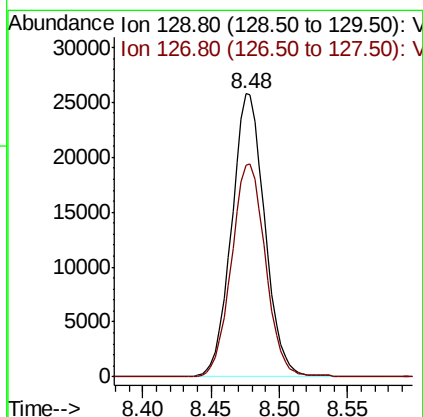
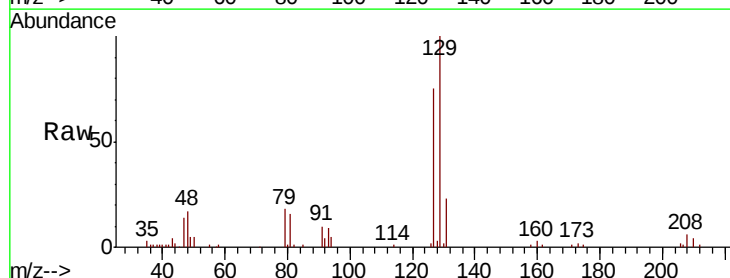
Instrument :
MSVOA_U
ClientSampleId :
VU1109WBS01

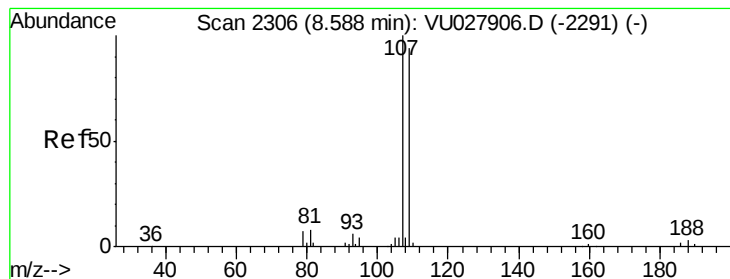
Tot Ion: 43 Resp: 370338
Ion Ratio Lower Upper
43 100
58 51.3 25.8 77.3



#60
Dibromochloromethane
Concen: 18.771 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VU028038.D
Acq: 09 Nov 2018 12:41

Tgt Ion: 129 Resp: 43497
Ion Ratio Lower Upper
129 100
127 77.2 39.2 117.6





#61

1,2-Dibromoethane

Concen: 18.799 ug/l

RT: 8.59 min Scan# 2306

Delta R.T. -0.00 min

Lab File: VU028038.D

Acq: 09 Nov 2018 12:41

Instrument :

MSVOA_U

ClientSampleId :

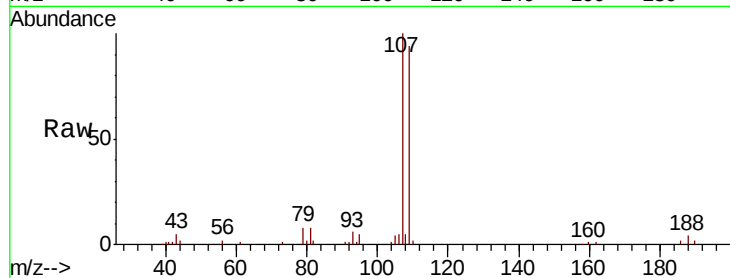
VU1109WBS01

Tot Ion:107 Resp: 48916

Ion Ratio Lower Upper

107 100

109 93.3 73.8 110.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.59

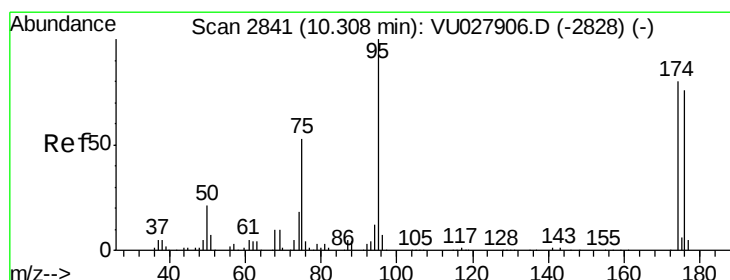
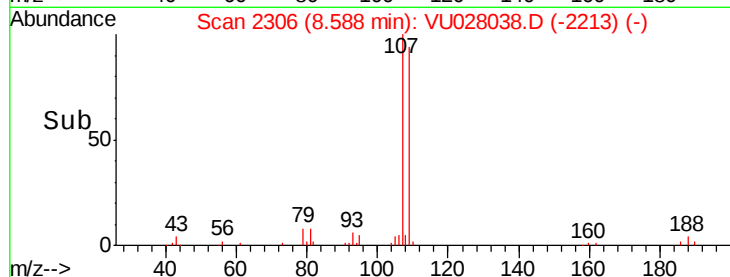
30000

20000

10000

0

Time--> 8.50 8.55 8.60 8.65



#62

4-Bromofluorobenzene

Concen: 50.750 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.00 min

Lab File: VU028038.D

Acq: 09 Nov 2018 12:41

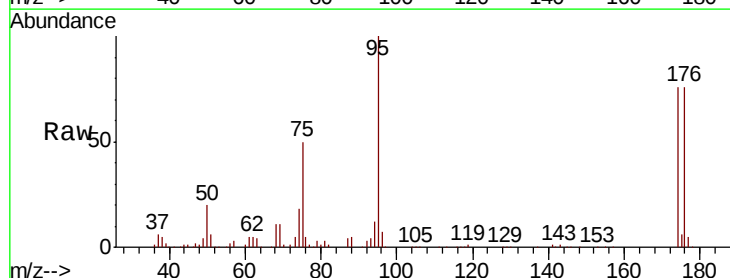
Tgt Ion: 95 Resp: 145775

Ion Ratio Lower Upper

95 100

174 75.8 0.0 156.4

176 73.4 0.0 150.8



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

120000

100000

80000

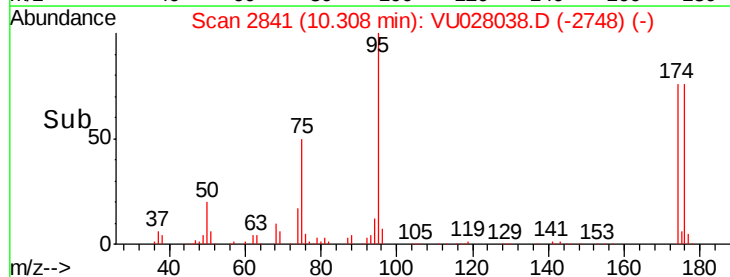
60000

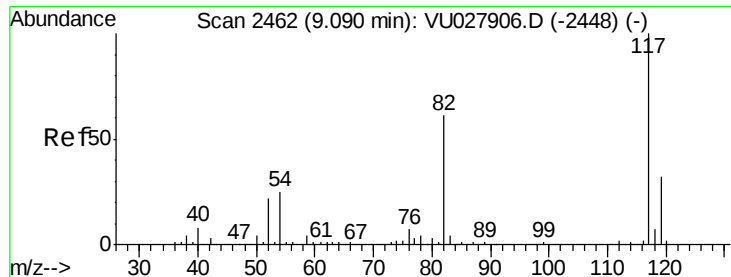
40000

20000

0

Time--> 10.30 10.40

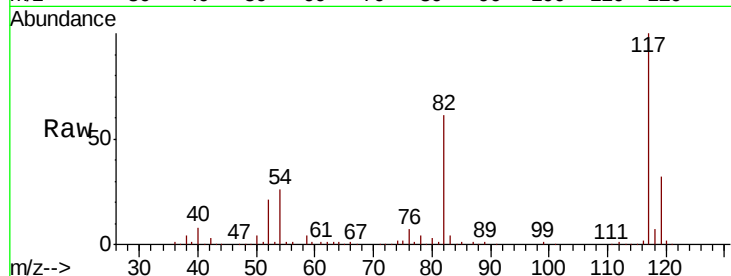




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028038.D
Acq: 09 Nov 2018 12:41

Instrument :
MSVOA_U
ClientSampleId :
VU1109WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.5	48.6	73.0
119	31.8	25.8	38.8

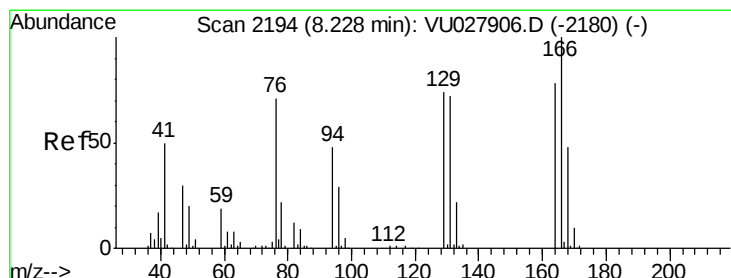
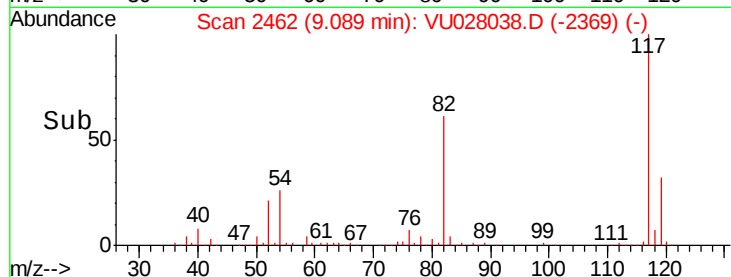
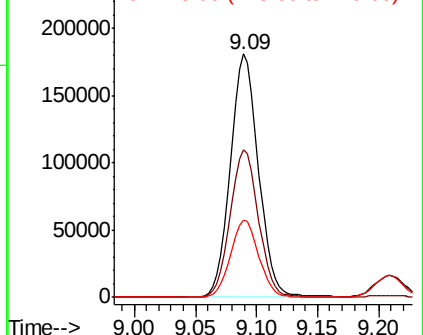


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 18.286 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. -0.00 min
Lab File: VU028038.D
Acq: 09 Nov 2018 12:41

Tgt Ion	Ratio	Lower	Upper
164	100		
166	133.9	102.1	153.1
129	101.5	75.9	113.9
131	94.0	73.0	109.6

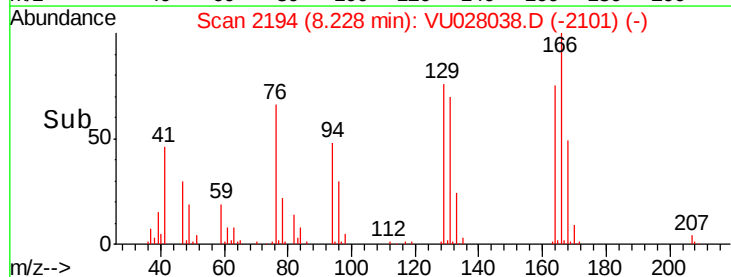
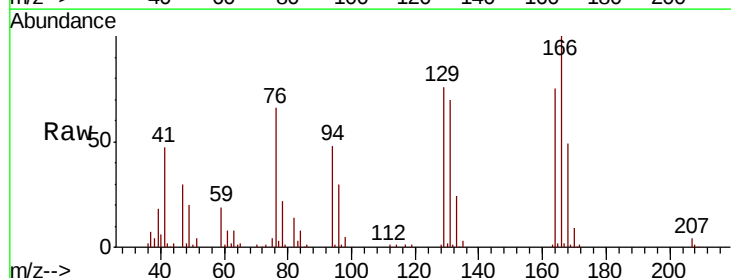
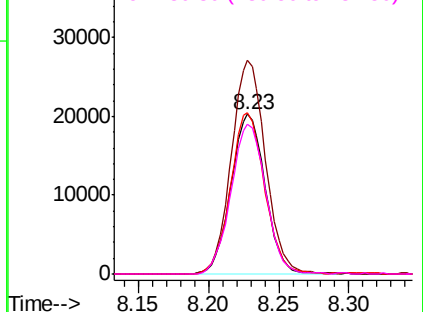
Abundance

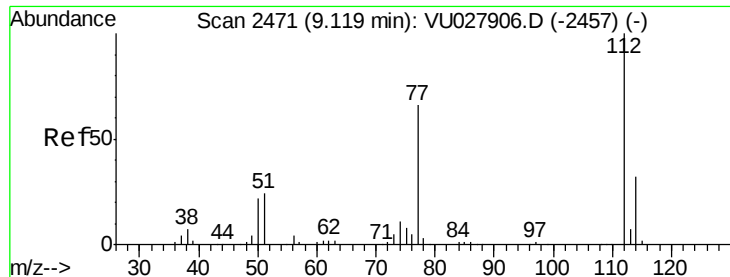
Ion 163.80 (163.50 to 164.50): V

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

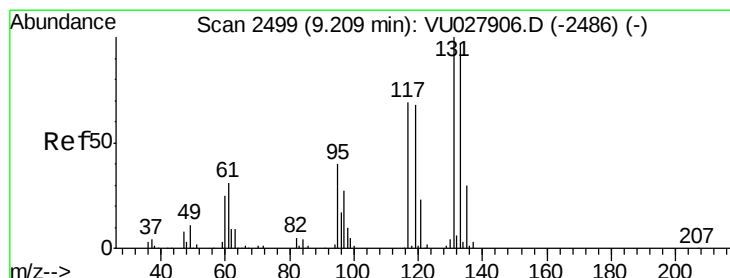
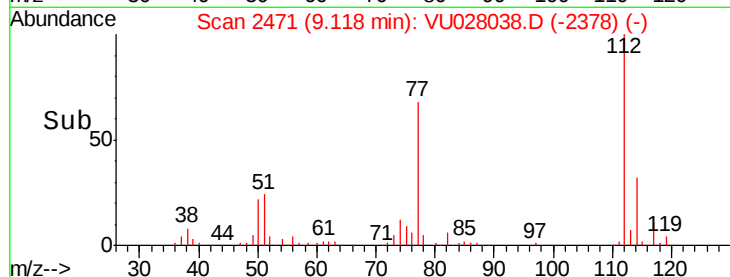
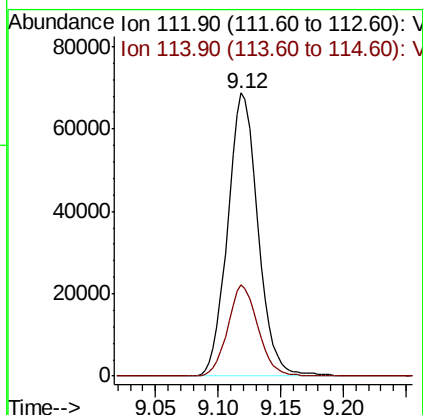
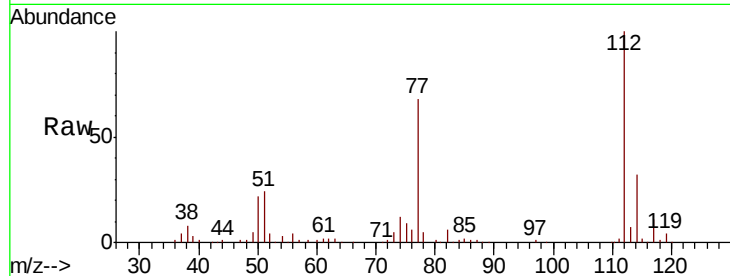




#65
Chlorobenzene
Concen: 18.767 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU028038.D
Acq: 09 Nov 2018 12:41

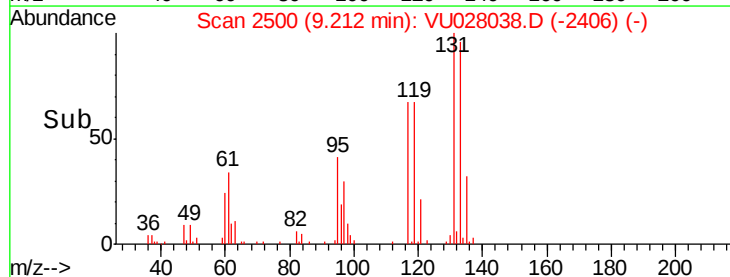
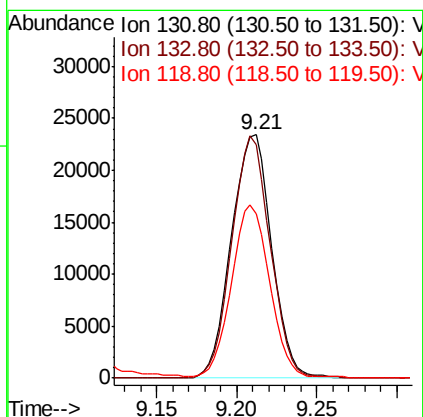
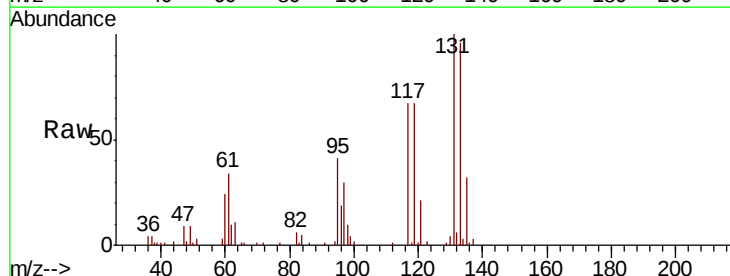
Instrument :
MSVOA_U
ClientSampleId :
VU1109WBS01

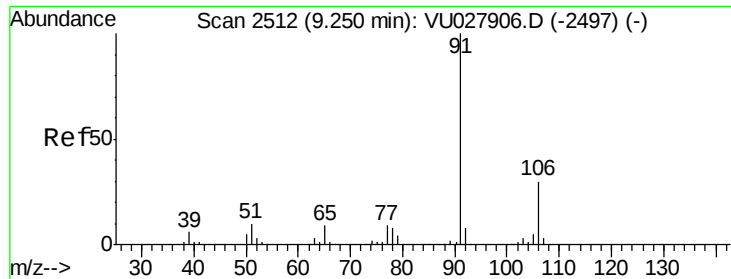
Tot Ion:112 Resp: 115421
Ion Ratio Lower Upper
112 100
114 32.1 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 19.075 ug/l
RT: 9.21 min Scan# 2500
Delta R.T. 0.00 min
Lab File: VU028038.D
Acq: 09 Nov 2018 12:41

Tgt Ion:131 Resp: 40070
Ion Ratio Lower Upper
131 100
133 95.1 48.1 144.4
119 68.0 34.0 101.8

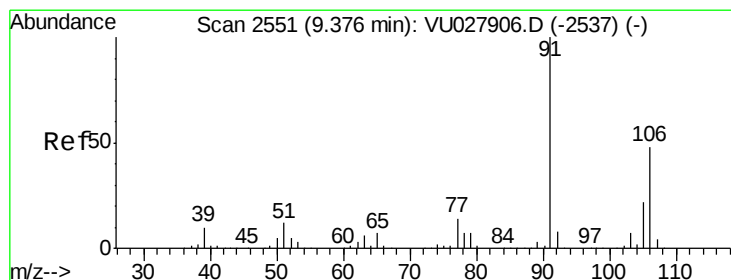
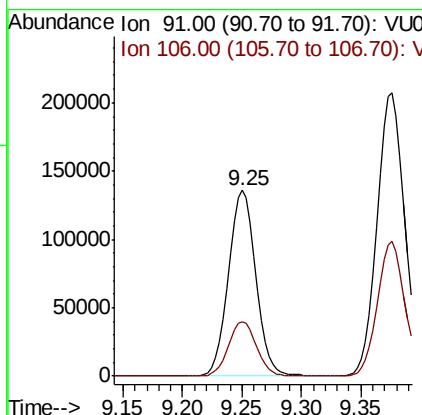
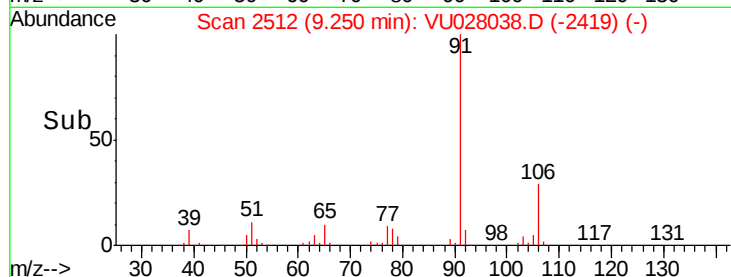
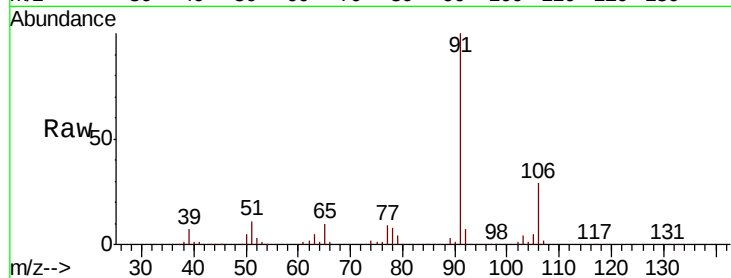




#67
Ethyl Benzene
Concen: 19.224 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. -0.00 min
Lab File: VU028038.D
Acq: 09 Nov 2018 12:41

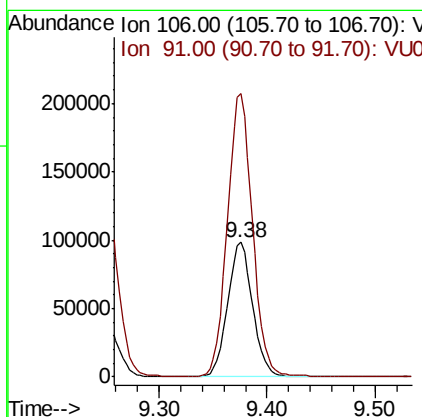
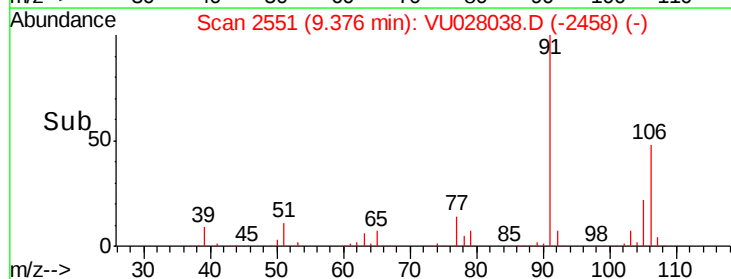
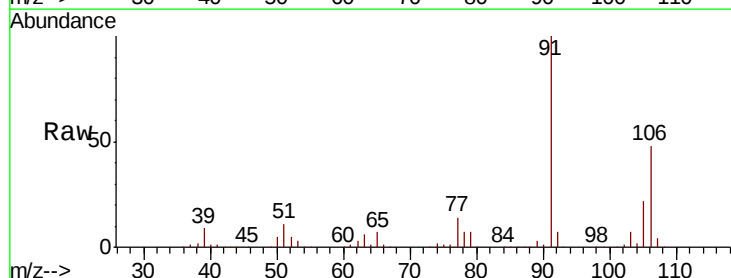
Instrument :
MSVOA_U
ClientSampleId :
VU1109WBS01

Tot Ion: 91 Resp: 217622
Ion Ratio Lower Upper
91 100
106 29.4 23.6 35.4



#68
m/p-Xylenes
Concen: 38.679 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. -0.00 min
Lab File: VU028038.D
Acq: 09 Nov 2018 12:41

Tgt Ion: 106 Resp: 158872
Ion Ratio Lower Upper
106 100
91 211.6 168.2 252.4

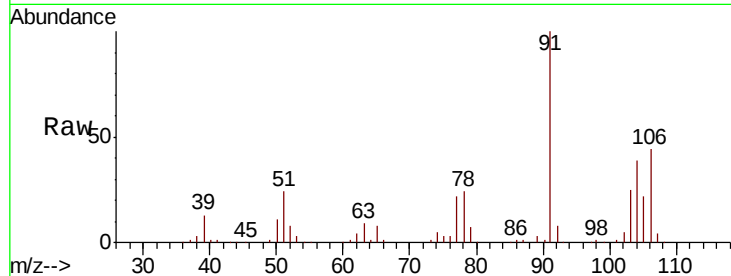




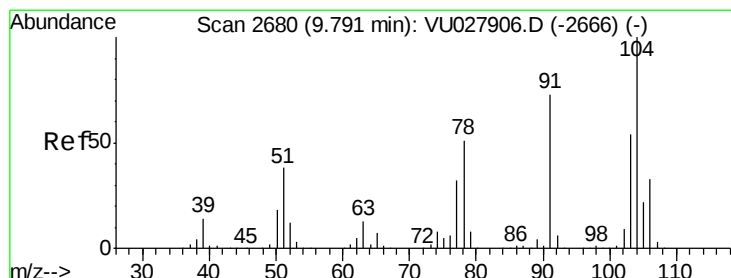
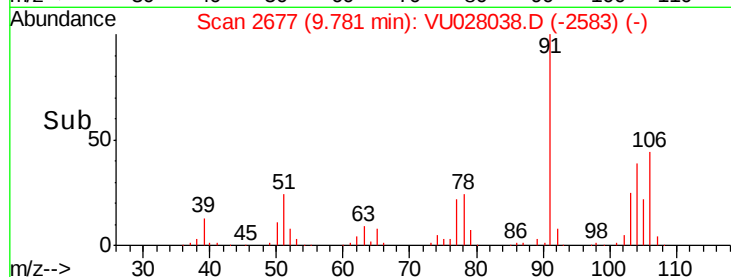
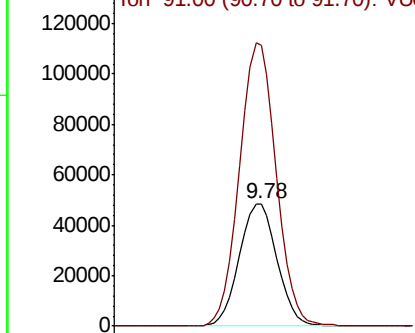
#69
o-Xylene
Concen: 18.734 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU028038.D
Acq: 09 Nov 2018 12:41

Instrument :
MSVOA_U
ClientSampleId :
VU1109WBS01

Tot Ion:106 Resp: 77701
Ion Ratio Lower Upper
106 100
91 225.5 111.1 333.4

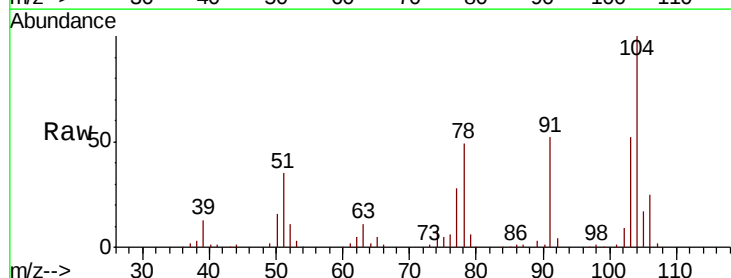


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

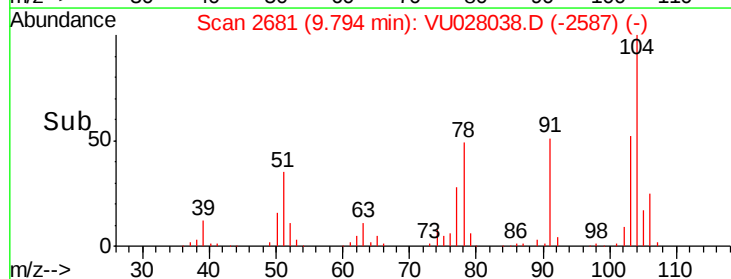
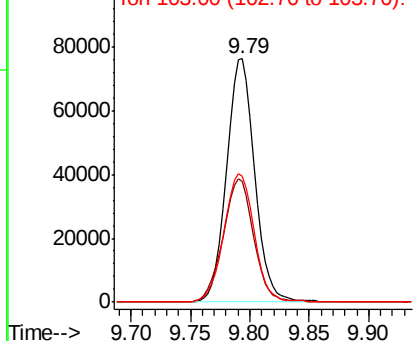


#70
Styrene
Concen: 18.911 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU028038.D
Acq: 09 Nov 2018 12:41

Tgt Ion:104 Resp: 125330
Ion Ratio Lower Upper
104 100
78 55.0 43.0 64.4
103 56.8 45.1 67.7



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: 17.976 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU028038.D

Acq: 09 Nov 2018 12:41

Instrument :

MSVOA_U

ClientSampleId :

VU1109WBS01

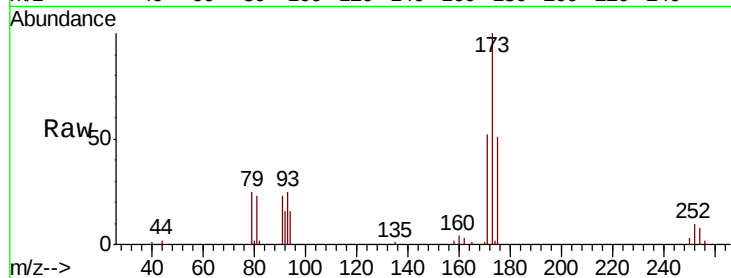
Tot Ion:173 Resp: 31647

Ion Ratio Lower Upper

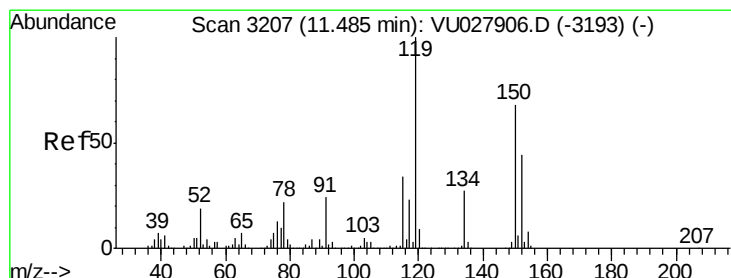
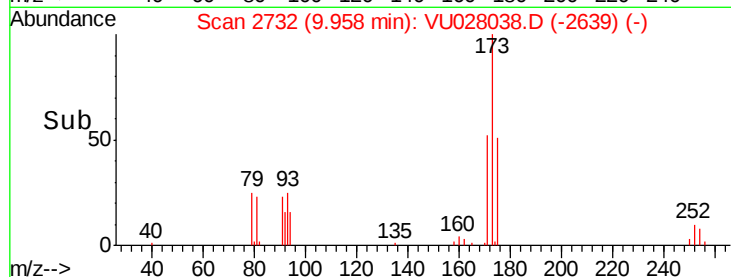
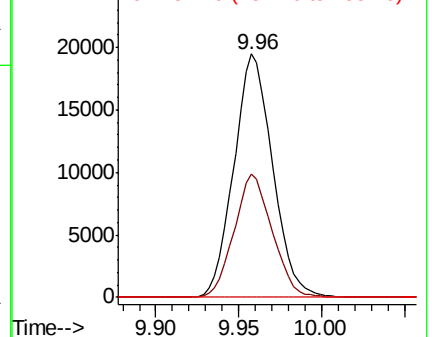
173 100

175 49.5 24.3 72.8

254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. -0.00 min

Lab File: VU028038.D

Acq: 09 Nov 2018 12:41

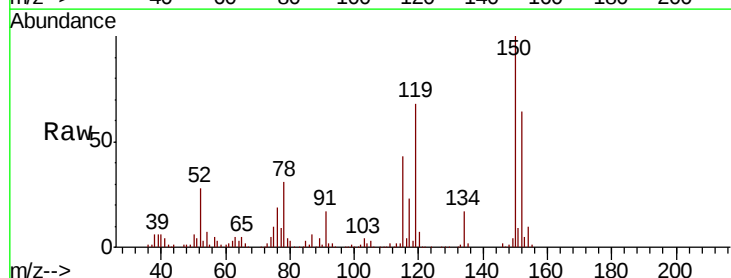
Tgt Ion:152 Resp: 138760

Ion Ratio Lower Upper

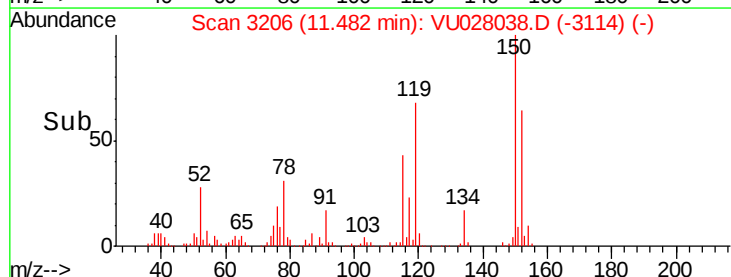
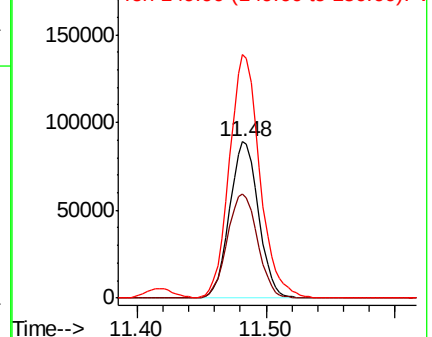
152 100

115 69.5 43.0 129.0

150 162.8 0.0 349.4



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: 19.600 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. -0.00 min

Lab File: VU028038.D

Acq: 09 Nov 2018 12:41

Instrument :

MSVOA_U

ClientSampleId :

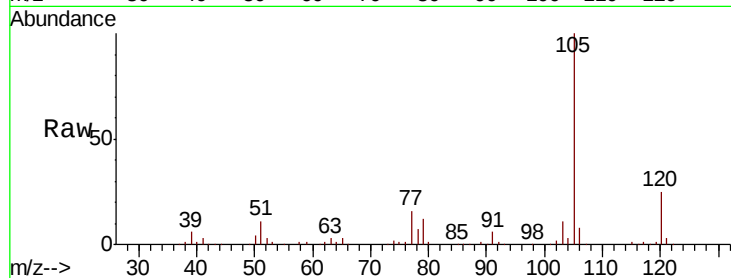
VU1109WBS01

Tot Ion:105 Resp: 210694

Ion Ratio Lower Upper

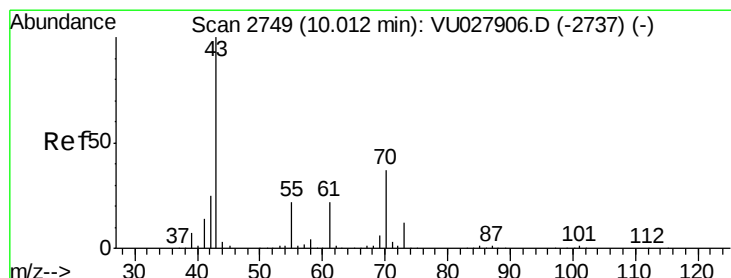
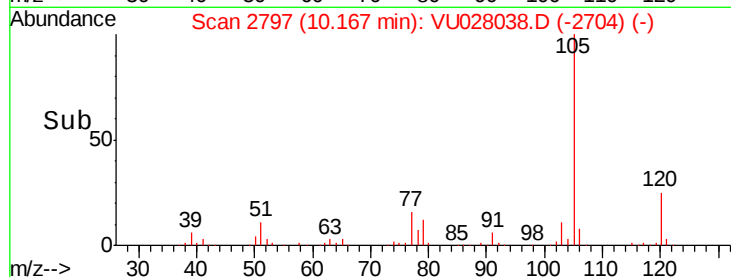
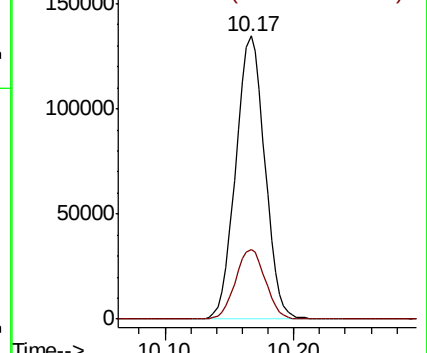
105 100

120 25.3 12.7 38.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.297 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VU028038.D

Acq: 09 Nov 2018 12:41

Tgt Ion: 43 Resp: 125434

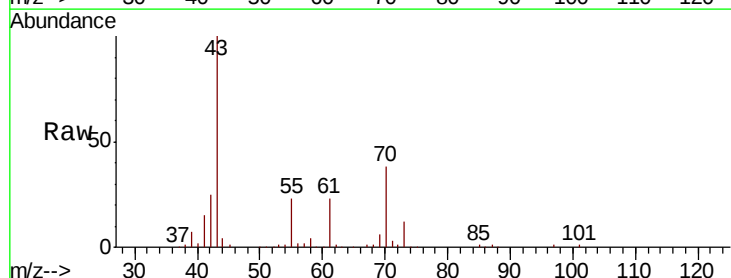
Ion Ratio Lower Upper

43 100

70 36.9 29.2 43.8

55 23.1 17.8 26.6

61 23.1 17.8 26.8

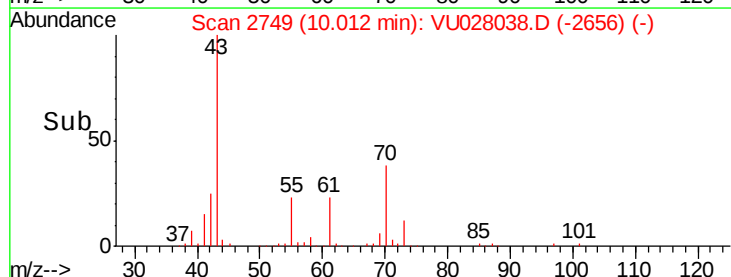
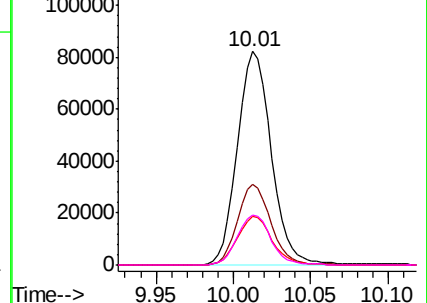


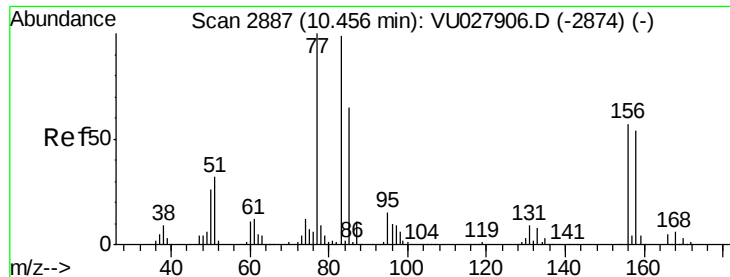
Abundance Ion 43.00 (42.70 to 43.70): VU0

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: 18.969 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU028038.D

Acq: 09 Nov 2018 12:41

Instrument :

MSVOA_U

ClientSampleId :

VU1109WBS01

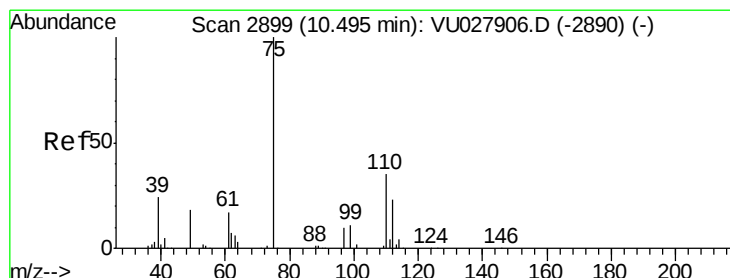
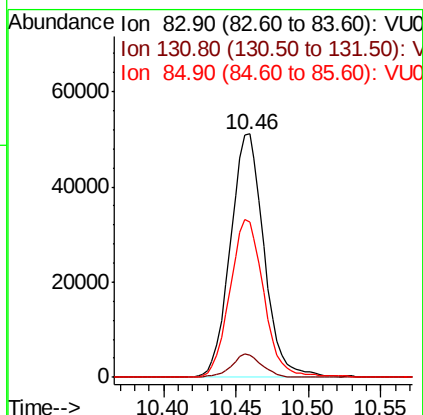
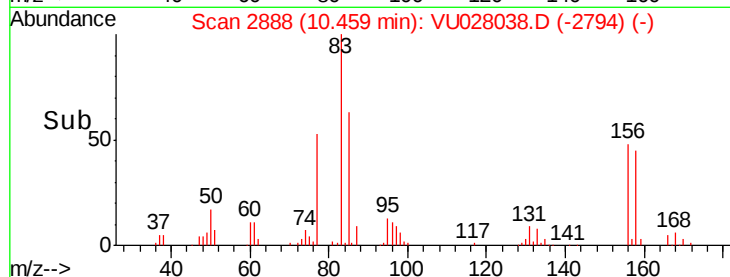
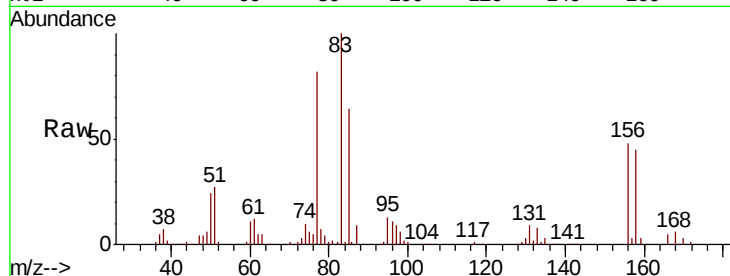
Tot Ion: 83 Resp: 82249

Ion Ratio Lower Upper

83 100

131 8.6 4.3 13.1

85 65.3 32.4 97.2



#76

1,2,3-Trichloropropane

Concen: 25.430 ug/l

RT: 10.49 min Scan# 2899

Delta R.T. -0.00 min

Lab File: VU028038.D

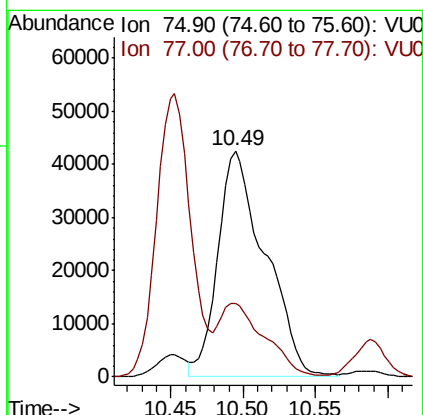
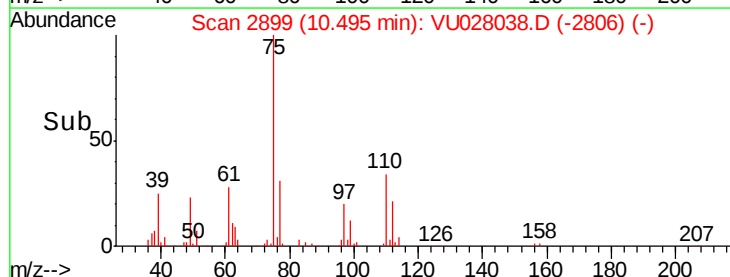
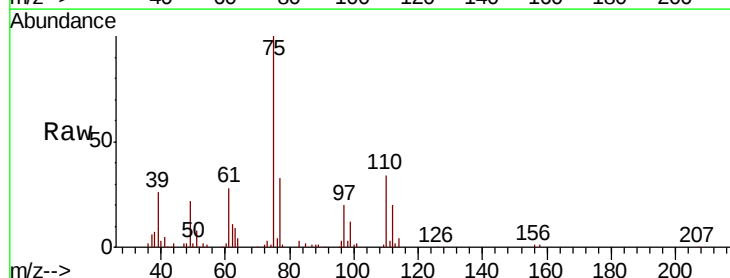
Acq: 09 Nov 2018 12:41

Tgt Ion: 75 Resp: 96519

Ion Ratio Lower Upper

75 100

77 31.1 21.6 64.6





#77

Bromobenzene

Concen: 19.716 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. -0.00 min

Lab File: VU028038.D

Acq: 09 Nov 2018 12:41

Instrument :

MSVOA_U

ClientSampleId :

VU1109WBS01

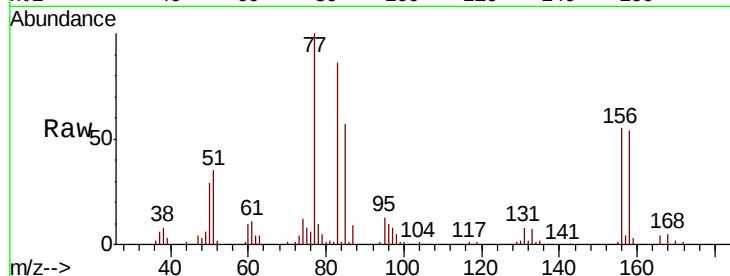
Tot Ion:156 Resp: 48599

Ion Ratio Lower Upper

156 100

77 181.6 91.8 275.6

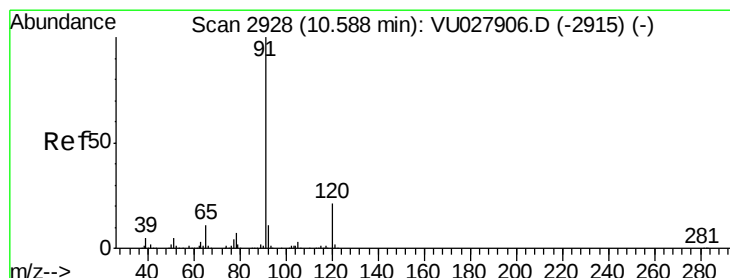
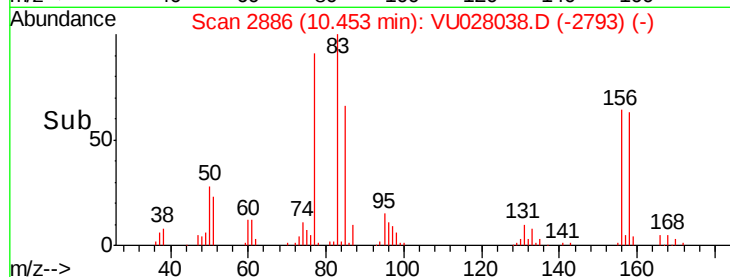
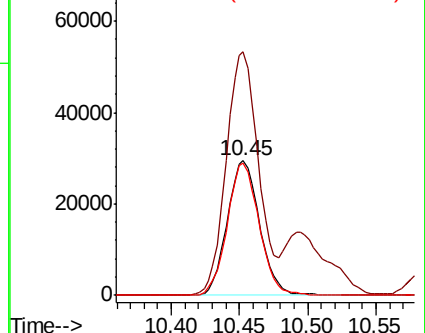
158 96.9 48.4 145.2



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: 19.670 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. -0.00 min

Lab File: VU028038.D

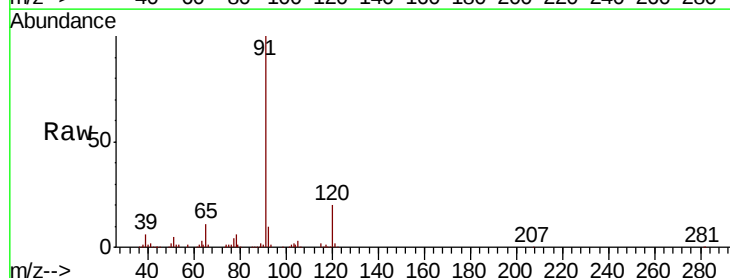
Acq: 09 Nov 2018 12:41

Tgt Ion: 91 Resp: 253100

Ion Ratio Lower Upper

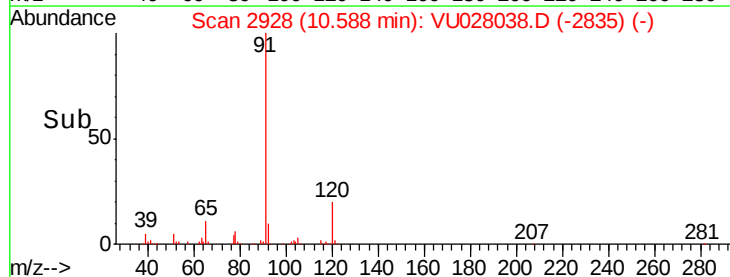
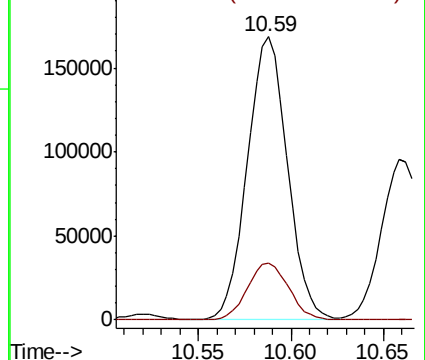
91 100

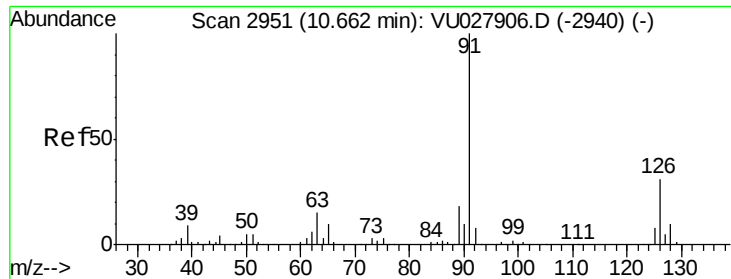
120 20.7 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

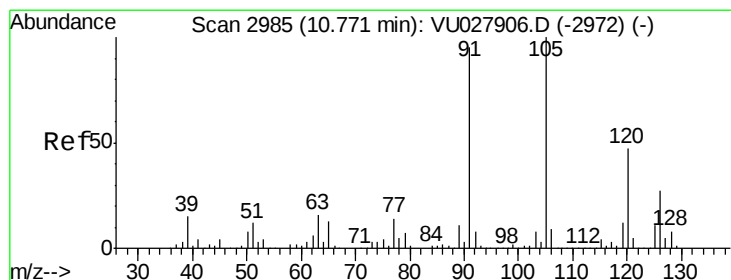
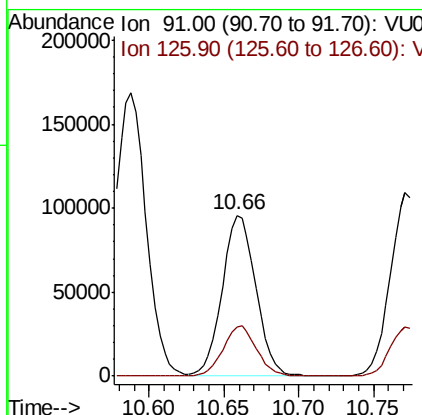
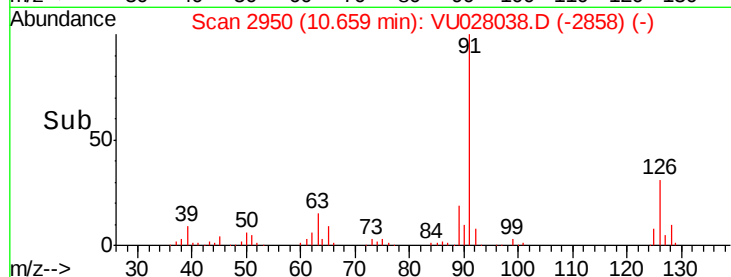
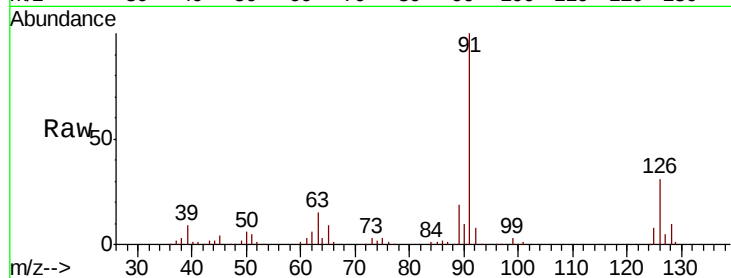




#79
 2-Chlorotoluene
 Concen: 19.459 ug/l
 RT: 10.66 min Scan# 2950
 Delta R.T. -0.00 min
 Lab File: VU028038.D
 Acq: 09 Nov 2018 12:41

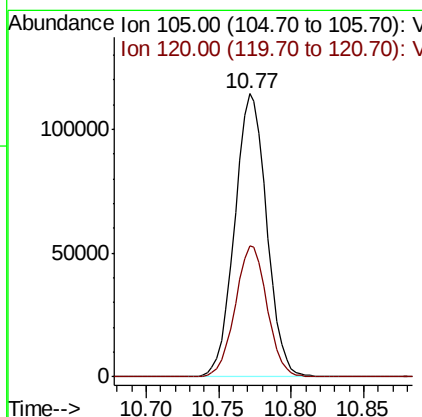
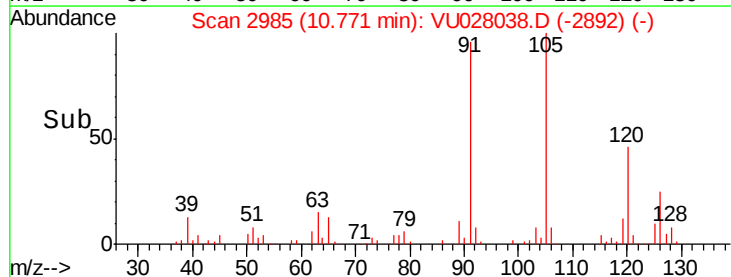
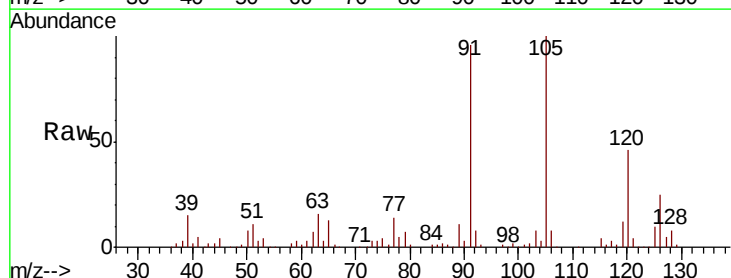
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1109WBS01

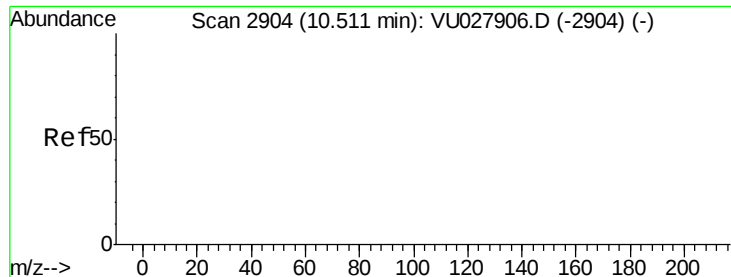
Tot Ion: 91 Resp: 150079
 Ion Ratio Lower Upper
 91 100
 126 31.1 16.0 47.9



#80
 1,3,5-Trimethylbenzene
 Concen: 19.629 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. -0.00 min
 Lab File: VU028038.D
 Acq: 09 Nov 2018 12:41

Tgt Ion: 105 Resp: 174795
 Ion Ratio Lower Upper
 105 100
 120 46.1 23.3 69.9





#81

trans-1,4-Dichloro-2-butene

Concen: 63.422 ug/l

RT: 10.49 min Scan# 2899

Delta R.T. -0.02 min

Lab File: VU028038.D

Acq: 09 Nov 2018 12:41

Instrument :

MSVOA_U

ClientSampleId :

VU1109WBS01

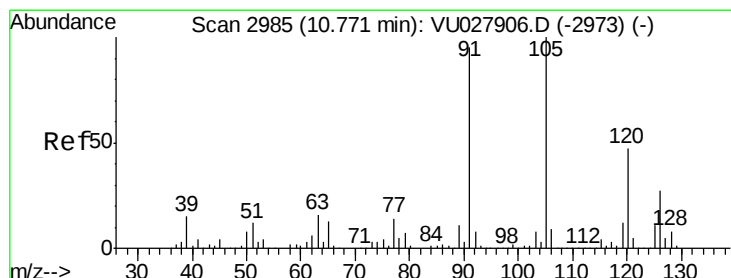
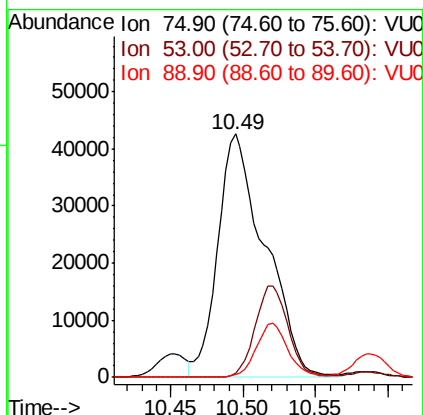
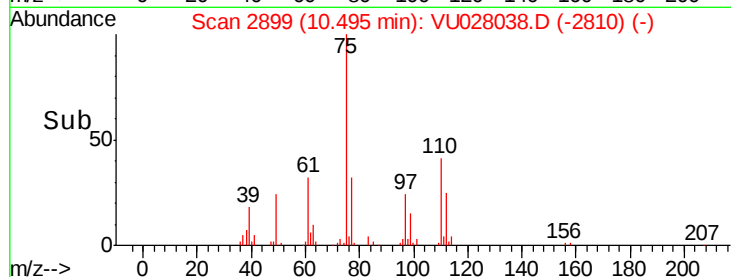
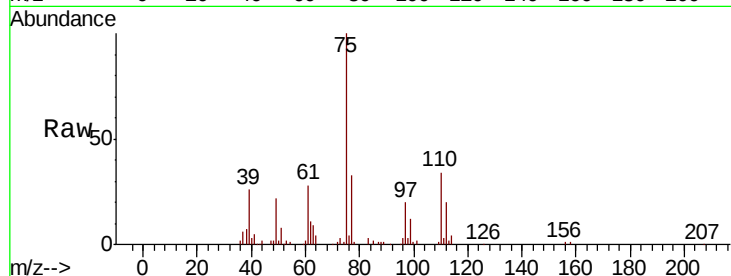
Tot Ion: 75 Resp: 96519

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0



#82

4-Chlorotoluene

Concen: 19.270 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU028038.D

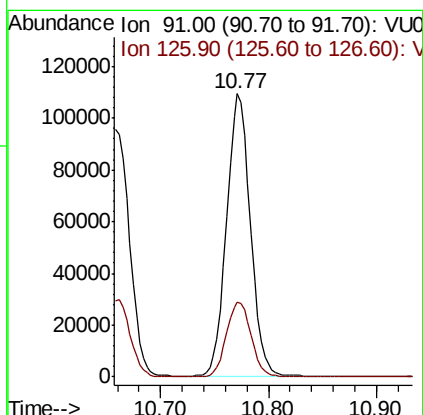
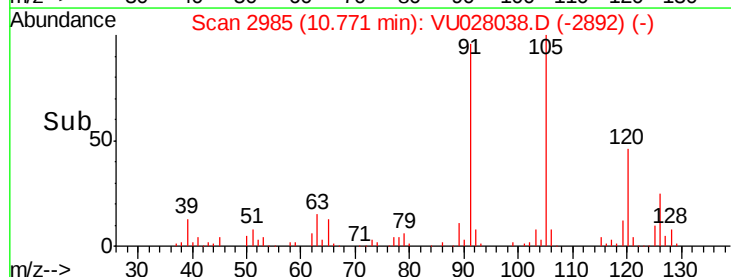
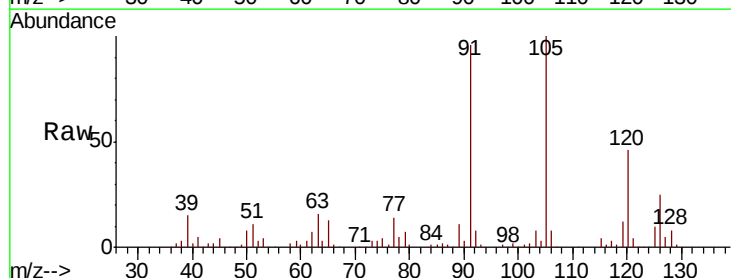
Acq: 09 Nov 2018 12:41

Tgt Ion: 91 Resp: 168724

Ion Ratio Lower Upper

91 100

126 27.5 14.2 42.6

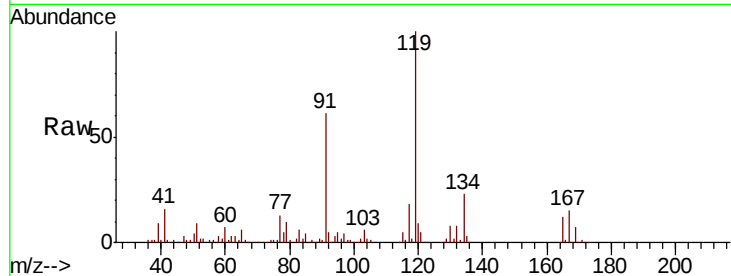




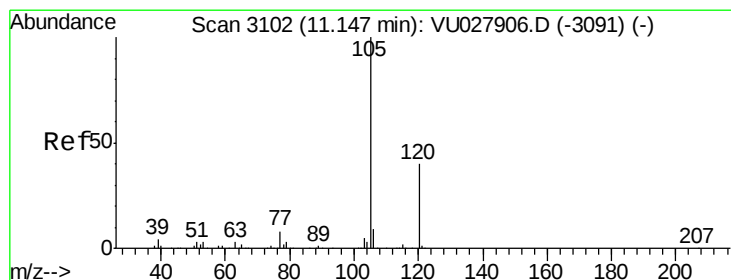
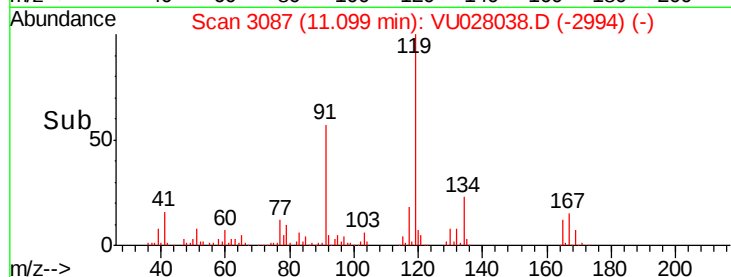
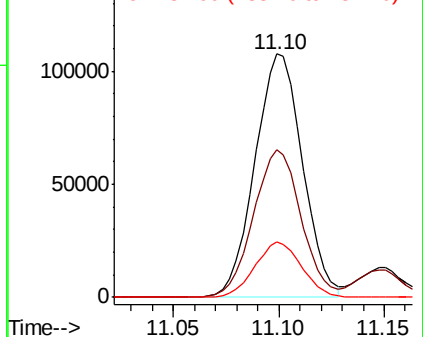
#83
tert-Butylbenzene
Concen: 18.966 ug/l
RT: 11.10 min Scan# 3087
Delta R.T. -0.00 min
Lab File: VU028038.D
Acq: 09 Nov 2018 12:41

Instrument :
MSVOA_U
ClientSampleId :
VU1109WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.7	29.8	89.3
134	22.3	11.1	33.1

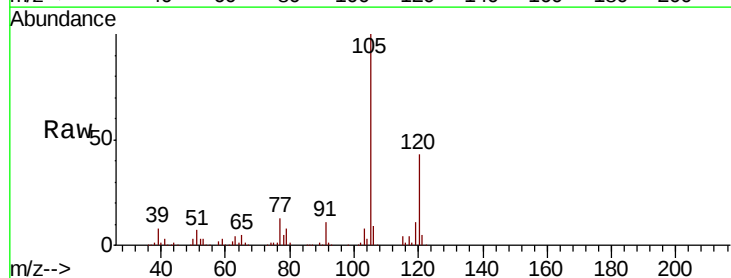


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

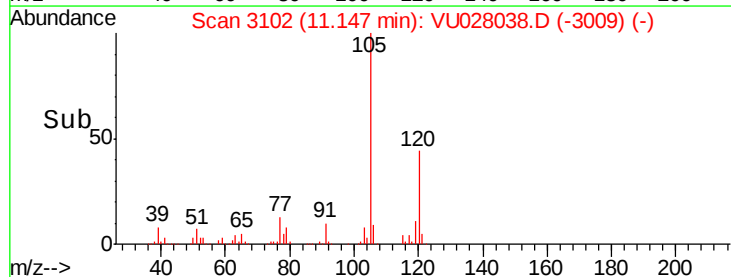
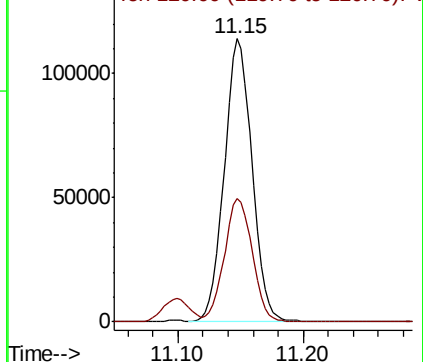


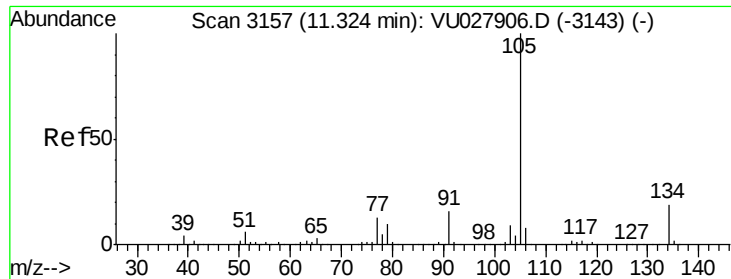
#84
1,2,4-Trimethylbenzene
Concen: 19.496 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. -0.00 min
Lab File: VU028038.D
Acq: 09 Nov 2018 12:41

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.6	22.1	66.1



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

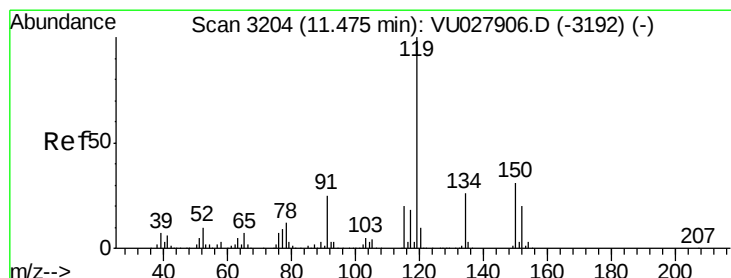
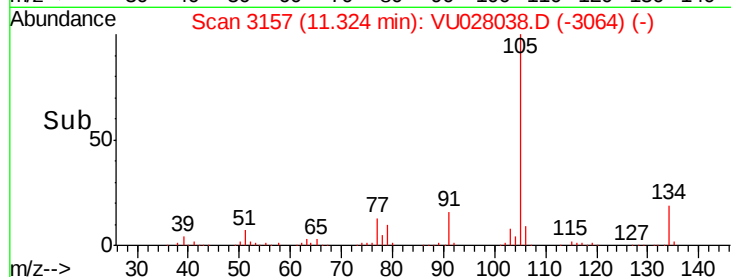
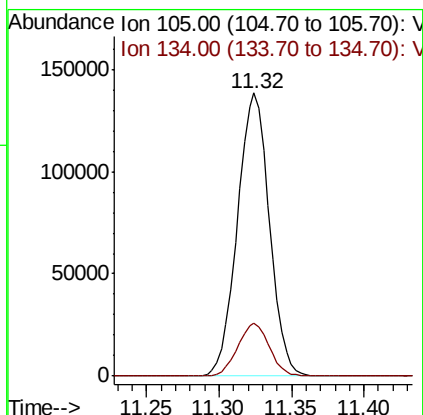
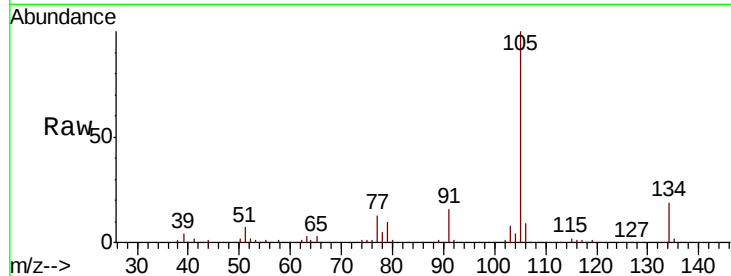




#85
 sec-Butylbenzene
 Concen: 19.579 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. -0.00 min
 Lab File: VU028038.D
 Acq: 09 Nov 2018 12:41

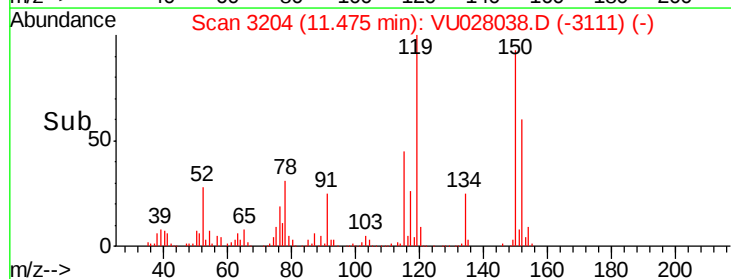
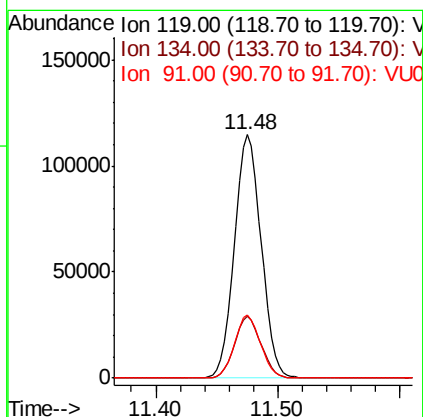
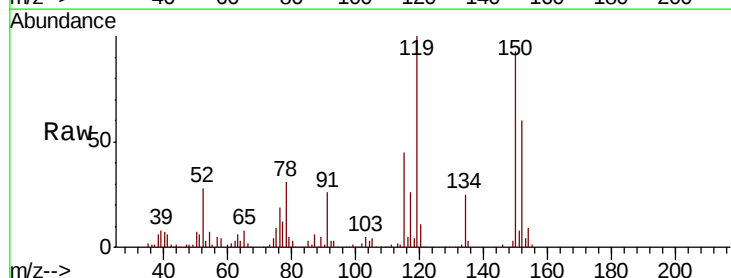
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1109WBS01

Tot Ion:105 Resp: 211971
 Ion Ratio Lower Upper
 105 100
 134 18.5 9.2 27.6



#86
 p-Isopropyltoluene
 Concen: 19.180 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. -0.00 min
 Lab File: VU028038.D
 Acq: 09 Nov 2018 12:41

Tgt Ion:119 Resp: 173595
 Ion Ratio Lower Upper
 119 100
 134 25.2 12.9 38.7
 91 25.1 12.4 37.2





#87

1,3-Dichlorobenzene

Concen: 18.575 ug/l

RT: 11.42 min Scan# 3186

Delta R.T. -0.00 min

Lab File: VU028038.D

Acq: 09 Nov 2018 12:41

Instrument :

MSVOA_U

ClientSampleId :

VU1109WBS01

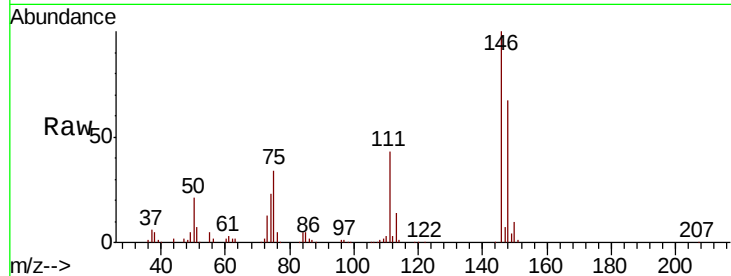
Tot Ion:146 Resp: 84580

Ion Ratio Lower Upper

146 100

111 42.0 20.3 61.0

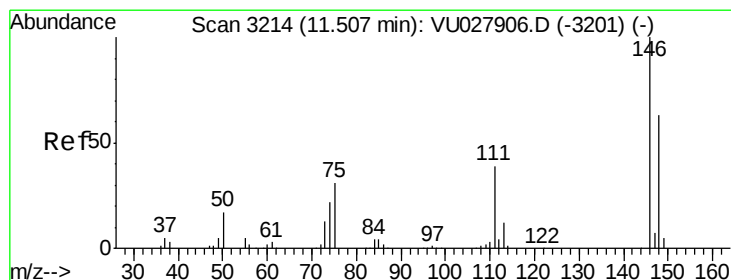
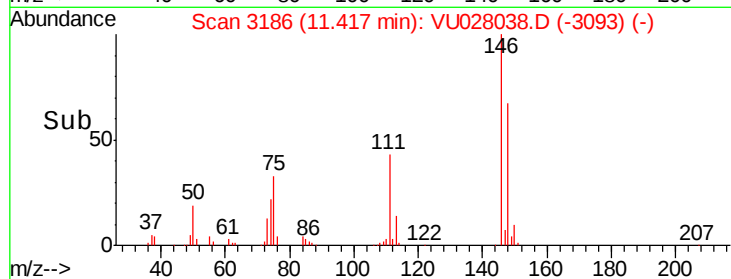
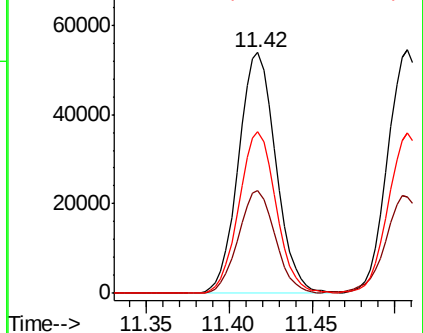
148 66.7 31.8 95.4



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 18.850 ug/l

RT: 11.51 min Scan# 3214

Delta R.T. -0.00 min

Lab File: VU028038.D

Acq: 09 Nov 2018 12:41

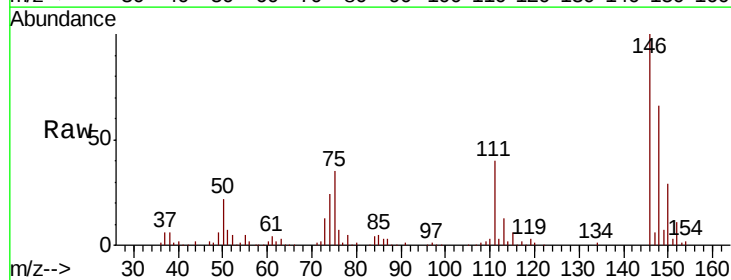
Tgt Ion:146 Resp: 87975

Ion Ratio Lower Upper

146 100

111 42.0 20.3 60.9

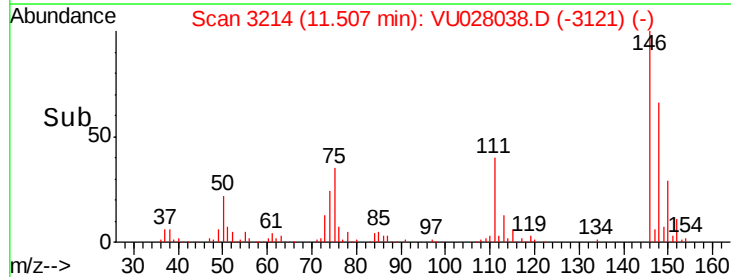
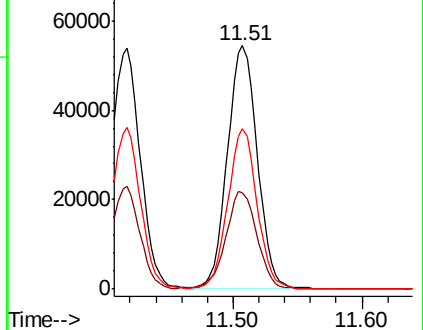
148 63.5 32.0 96.2

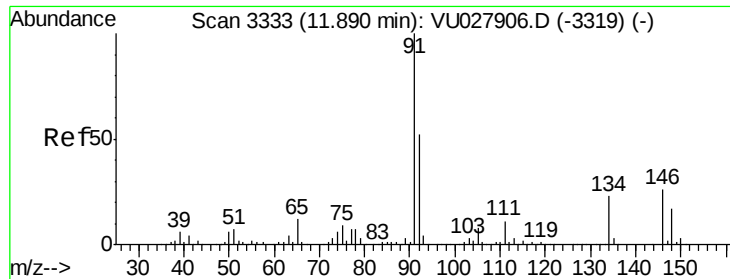


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

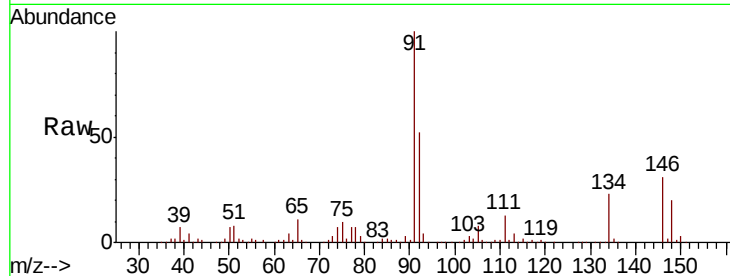




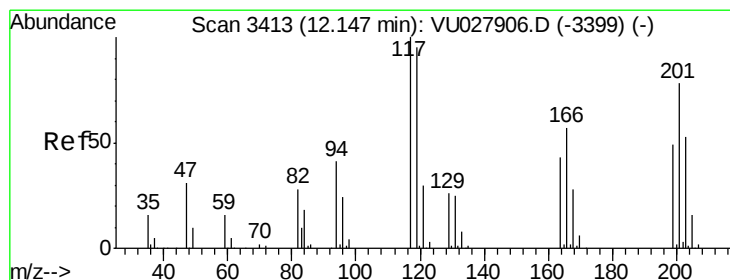
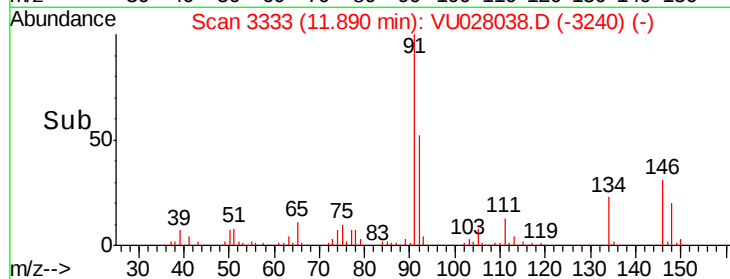
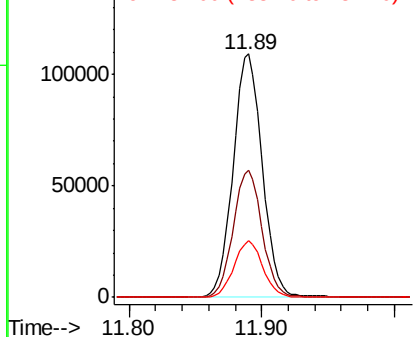
#89
n-Butylbenzene
Concen: 19.355 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. 0.00 min
Lab File: VU028038.D
Acq: 09 Nov 2018 12:41

Instrument :
MSVOA_U
ClientSampleId :
VU1109WBS01

Tot Ion: 91 Resp: 166484
Ion Ratio Lower Upper
91 100
92 51.7 26.2 78.5
134 23.0 11.5 34.5

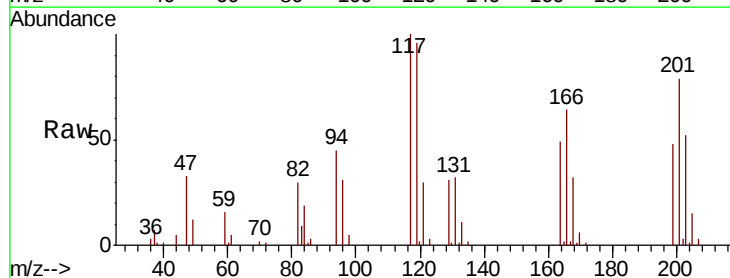


Abundance Ion 91.00 (90.70 to 91.70): VU027906.D (-3319) (-)
Ion 92.00 (91.70 to 92.70): VU027906.D (-3319) (-)
Ion 134.00 (133.70 to 134.70): VU027906.D (-3319) (-)

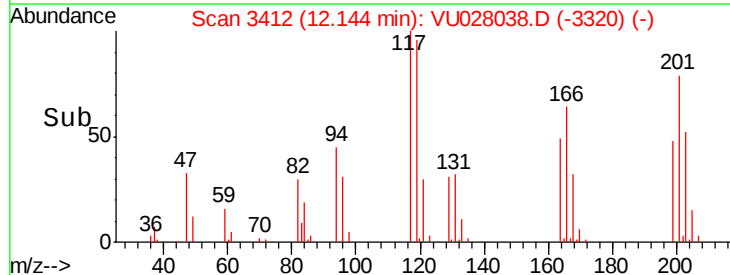
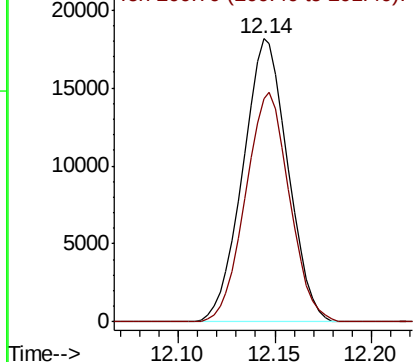


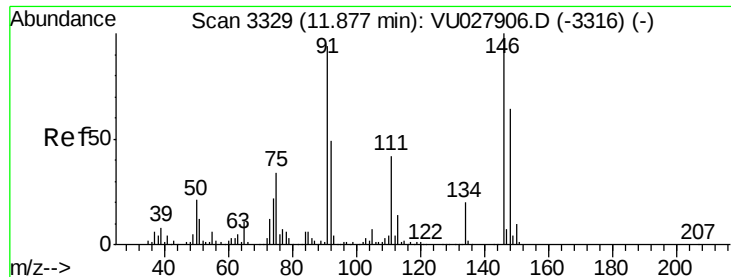
#90
Hexachloroethane
Concen: 18.219 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. -0.00 min
Lab File: VU028038.D
Acq: 09 Nov 2018 12:41

Tgt Ion: 117 Resp: 29357
Ion Ratio Lower Upper
117 100
201 79.2 38.5 115.5



Abundance Ion 116.80 (116.50 to 117.50): VU027906.D (-3399) (-)
Ion 200.70 (200.40 to 201.40): VU027906.D (-3399) (-)

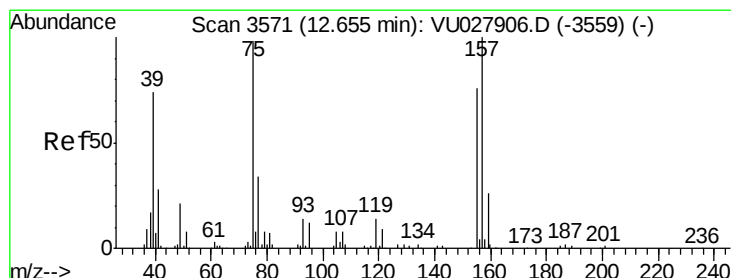
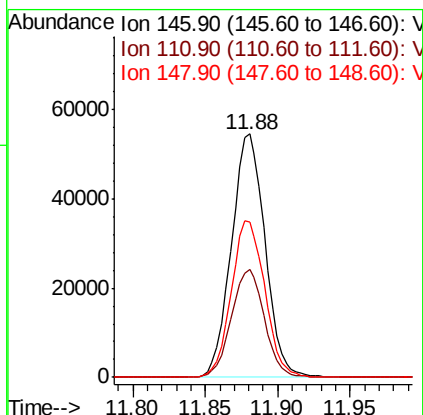
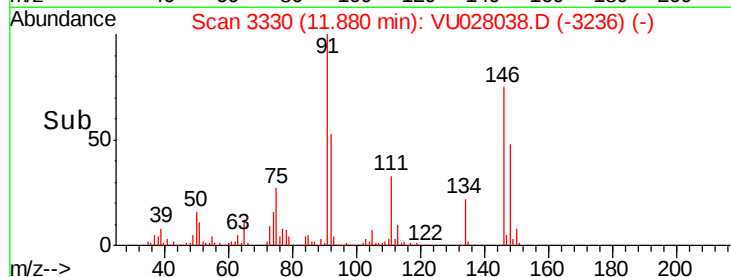
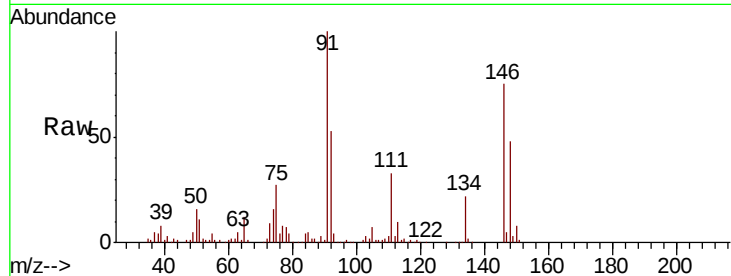




#91
 1,2-Dichlorobenzene
 Concen: 19.208 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU028038.D
 Acq: 09 Nov 2018 12:41

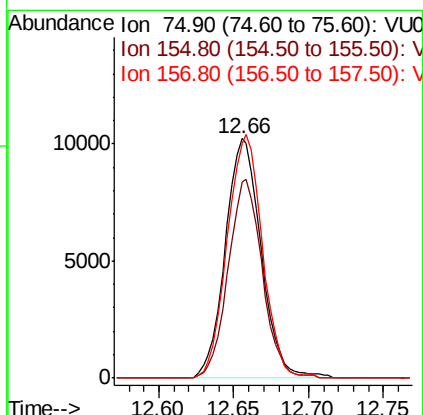
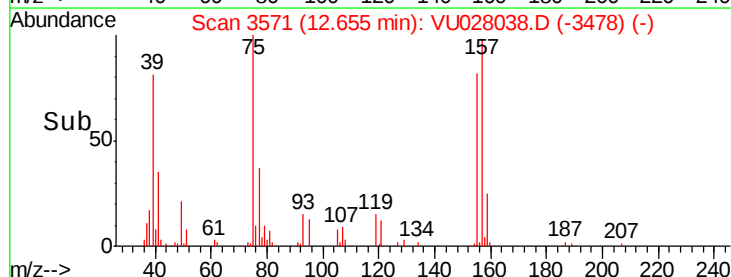
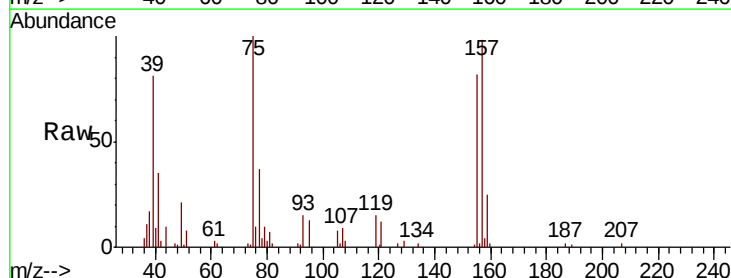
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1109WBS01

Tot Ion:146 Resp: 87953
 Ion Ratio Lower Upper
 146 100
 111 43.4 21.3 64.0
 148 64.1 31.8 95.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.712 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU028038.D
 Acq: 09 Nov 2018 12:41

Tgt Ion: 75 Resp: 17097
 Ion Ratio Lower Upper
 75 100
 155 78.8 39.8 119.3
 157 98.7 50.6 151.9

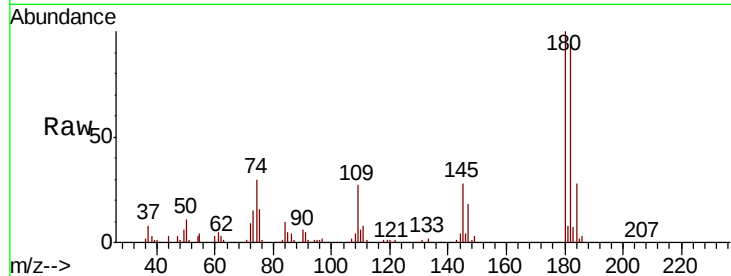




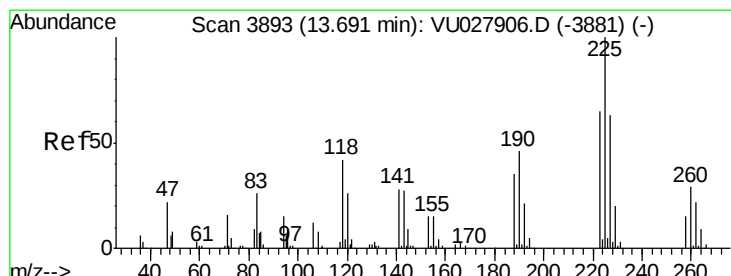
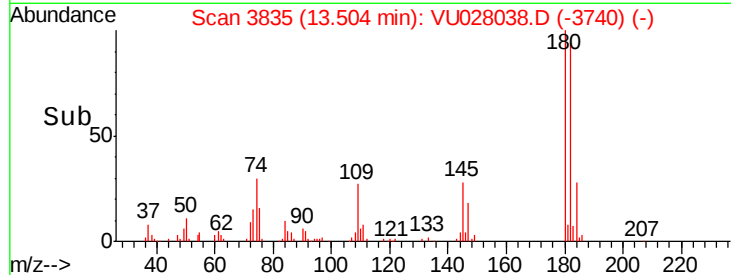
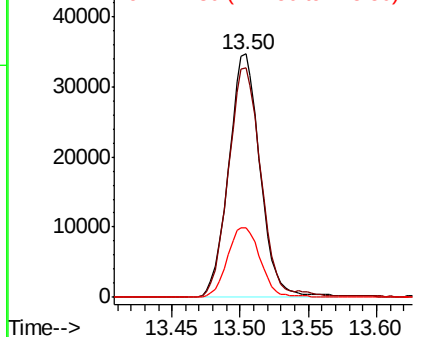
#93
 1,2,4-Trichlorobenzene
 Concen: 17.766 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU028038.D
 Acq: 09 Nov 2018 12:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1109WBS01

Tot Ion:180 Resp: 55615
 Ion Ratio Lower Upper
 180 100
 182 97.4 48.4 145.2
 145 30.1 14.9 44.5

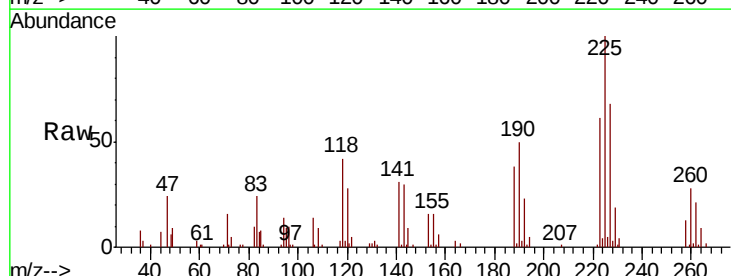


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

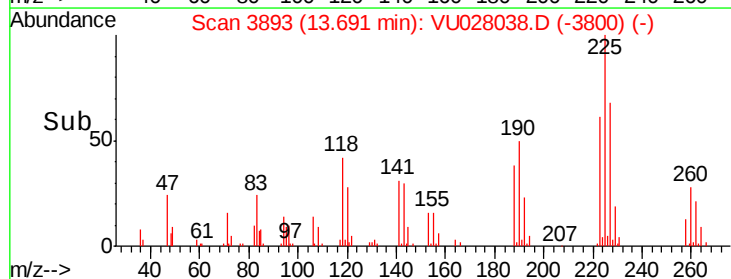
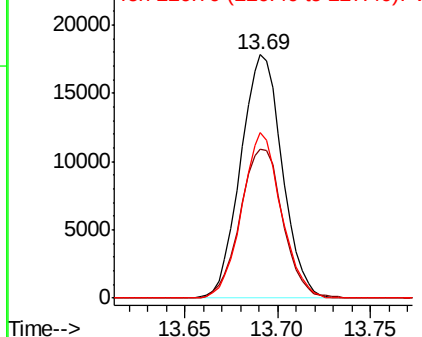


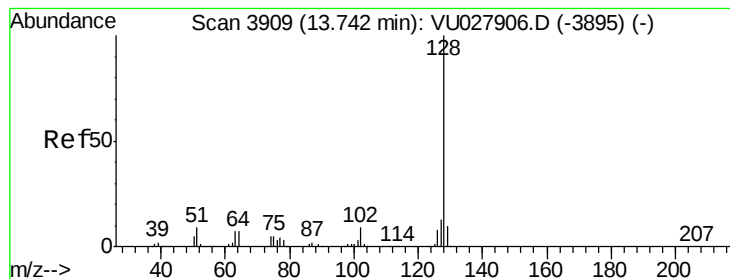
#94
 Hexachlorobutadiene
 Concen: 19.007 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU028038.D
 Acq: 09 Nov 2018 12:41

Tgt Ion:225 Resp: 27661
 Ion Ratio Lower Upper
 225 100
 223 62.8 32.2 96.6
 227 64.5 32.5 97.4



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: 17.936 ug/l

RT: 13.74 min Scan# 3909

Delta R.T. 0.00 min

Lab File: VU028038.D

Acq: 09 Nov 2018 12:41

Instrument :

MSVOA_U

ClientSampleId :

VU1109WBS01

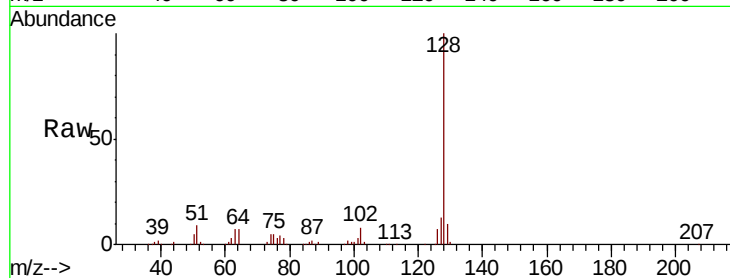
Tot Ion:128 Resp: 205468

Ion Ratio Lower Upper

128 100

127 12.7 10.4 15.6

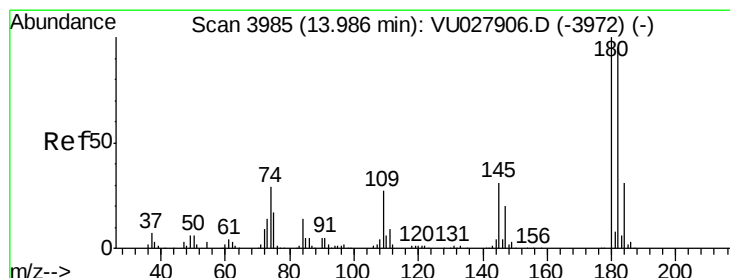
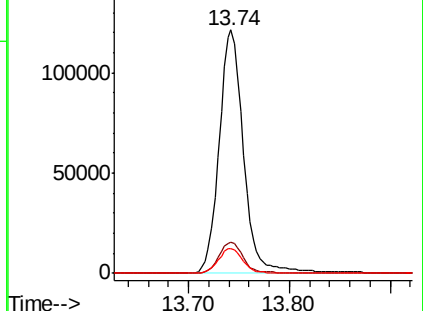
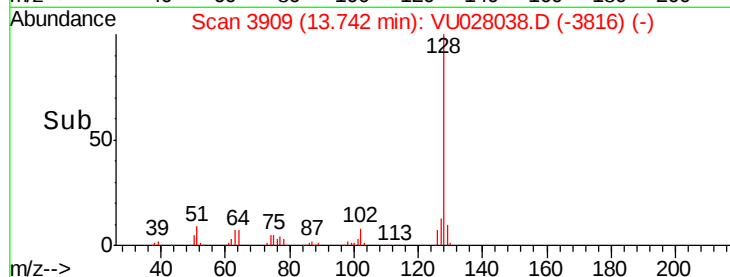
129 9.9 8.3 12.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.286 ug/l

RT: 13.99 min Scan# 3985

Delta R.T. 0.00 min

Lab File: VU028038.D

Acq: 09 Nov 2018 12:41

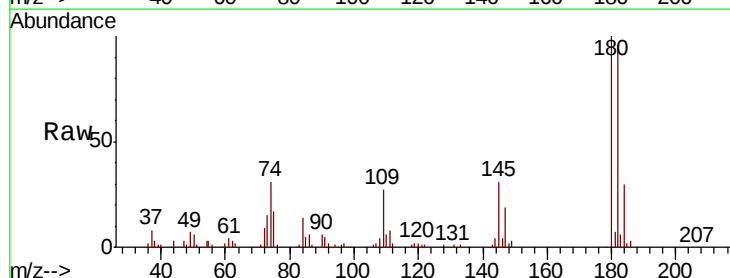
Tgt Ion:180 Resp: 59260

Ion Ratio Lower Upper

180 100

182 93.4 47.4 142.3

145 30.6 16.0 47.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

