

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU110218\
 Data File : VU027915.D
 Acq On : 02 Nov 2018 10:56
 Operator : MD/SY
 Sample : VU1102WBSD01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1102WBS01

Quant Time: Nov 03 04:19:29 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	154002	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	277732	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	254885	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	121811	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	126764	55.36	ug/l	0.00
Spiked Amount			Recovery	=	110.72%	
35) Dibromofluoromethane	4.89	113	93458	53.37	ug/l	0.00
Spiked Amount			Recovery	=	106.74%	
50) Toluene-d8	7.57	98	343706	50.81	ug/l	0.00
Spiked Amount			Recovery	=	101.62%	
62) 4-Bromofluorobenzene	10.31	95	125554	50.32	ug/l	0.00
Spiked Amount			Recovery	=	100.64%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	38955	19.907	ug/l	97
3) Chloromethane	1.33	50	46909	19.821	ug/l	99
4) Vinyl Chloride	1.40	62	46449	19.775	ug/l	100
5) Bromomethane	1.62	94	20444	23.508	ug/l	100
6) Chloroethane	1.70	64	27491	20.309	ug/l	98
7) Trichlorofluoromethane	1.88	101	51563	18.997	ug/l	93
8) Diethyl Ether	2.11	74	25022	21.530	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.29	101	30843	19.128	ug/l	98
10) Methyl Iodide	2.41	142	19884	19.103	ug/l	97
11) Tert butyl alcohol	2.83	59	61734	101.848	ug/l	100
12) 1,1-Dichloroethene	2.28	96	31035	19.228	ug/l	98
13) Acrolein	2.20	56	21820	93.614	ug/l	99
14) Allyl chloride	2.59	41	77257	19.585	ug/l	97
15) Acrylonitrile	2.94	53	160275	107.644	ug/l	99
16) Acetone	2.32	43	147284	103.680	ug/l	97
17) Carbon Disulfide	2.48	76	98277	18.629	ug/l	98
18) Methyl Acetate	2.62	43	82098	21.009	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	141306	21.710	ug/l	99
20) Methylene Chloride	2.70	84	42129	20.312	ug/l	91
21) trans-1,2-Dichloroethene	2.98	96	35797	19.218	ug/l	99
22) Diisopropyl ether	3.58	45	171525	21.061	ug/l	95
23) Vinyl Acetate	3.53	43	758745	108.404	ug/l	99
24) 1,1-Dichloroethane	3.45	63	82266	20.280	ug/l	99
25) 2-Butanone	4.27	43	238548	105.553	ug/l	100
26) 2,2-Dichloropropane	4.23	77	58746	19.297	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	44239	21.180	ug/l	98
28) Bromochloromethane	4.55	49	43012	22.617	ug/l	97
29) Tetrahydrofuran	4.64	42	160403	106.291	ug/l	99
30) Chloroform	4.68	83	75290	20.242	ug/l	97
31) Cyclohexane	5.00	56	76813	18.222	ug/l	93
32) 1,1,1-Trichloroethane	4.92	97	58999	19.927	ug/l	99
36) 1,1-Dichloropropene	5.14	75	52307	17.982	ug/l	98
37) Ethyl Acetate	4.39	43	87030	20.420	ug/l	99
38) Carbon Tetrachloride	5.14	117	46039	17.860	ug/l	93

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	63610	18.131	ug/l	98
40) Benzene	5.39	78	171949	19.335	ug/l	99
41) Methacrylonitrile	4.55	41	49053	21.566	ug/l	98
42) 1,2-Dichloroethane	5.40	62	63129	19.970	ug/l	100
43) Isopropyl Acetate	5.55	43	135776	20.334	ug/l	99
44) Trichloroethene	6.19	130	35469	18.554	ug/l	95
45) 1,2-Dichloropropane	6.43	63	51087	19.919	ug/l	100
46) Dibromomethane	6.56	93	30776	20.876	ug/l	98
47) Bromodichloromethane	6.76	83	56302	19.817	ug/l	98
48) Methyl methacrylate	6.63	41	68421	20.910	ug/l	98
49) 1,4-Dioxane	6.62	88	21929	410.766	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	449285	100.752	ug/l	99
52) Toluene	7.64	92	101512	19.416	ug/l	96
53) t-1,3-Dichloropropene	7.88	75	65478	19.287	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	71929	20.538	ug/l	96
55) 1,1,2-Trichloroethane	8.07	97	44347	20.849	ug/l	94
56) Ethyl methacrylate	8.02	69	76851	20.487	ug/l	98
57) 1,3-Dichloropropane	8.24	76	81126	20.937	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.13	63	202471	100.781	ug/l	100
59) 2-Hexanone	8.36	43	344285	99.822	ug/l	99
60) Dibromochloromethane	8.48	129	39702	19.725	ug/l	98
61) 1,2-Dibromoethane	8.59	107	46254	20.465	ug/l	98
64) Tetrachloroethene	8.23	164	29746	17.998	ug/l	97
65) Chlorobenzene	9.12	112	105882	19.662	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	35864	19.498	ug/l	97
67) Ethyl Benzene	9.25	91	188212	18.988	ug/l	100
68) m/p-Xylenes	9.38	106	138385	38.478	ug/l	98
69) o-Xylene	9.78	106	67724	18.648	ug/l	97
70) Styrene	9.79	104	111739	19.256	ug/l	99
71) Bromoform	9.96	173	30649	19.883	ug/l #	99
73) Isopropylbenzene	10.17	105	179710	19.044	ug/l	99
74) N-amyl acetate	10.02	43	118463	20.761	ug/l	100
75) 1,1,2,2-Tetrachloroethane	10.46	83	77931	20.474	ug/l	98
76) 1,2,3-Trichloropropane	10.49	75	88769	26.642	ug/l	84
77) Bromobenzene	10.45	156	42895	19.824	ug/l	99
78) n-propylbenzene	10.59	91	207381	18.360	ug/l	100
79) 2-Chlorotoluene	10.66	91	128624	18.997	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	149609	19.139	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.49	75	88769	66.433	ug/l #	100
82) 4-Chlorotoluene	10.77	91	143040	18.609	ug/l	100
83) tert-Butylbenzene	11.10	119	145890	18.668	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	152030	19.314	ug/l	100
85) sec-Butylbenzene	11.32	105	176172	18.536	ug/l	99
86) p-Isopropyltoluene	11.48	119	149468	18.812	ug/l	98
87) 1,3-Dichlorobenzene	11.42	146	74629	18.670	ug/l	98
88) 1,4-Dichlorobenzene	11.51	146	75619	18.457	ug/l	97
89) n-Butylbenzene	11.89	91	134714	17.841	ug/l	99
90) Hexachloroethane	12.15	117	25851	18.275	ug/l	97
91) 1,2-Dichlorobenzene	11.88	146	79003	19.654	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.66	75	16856	21.016	ug/l	95

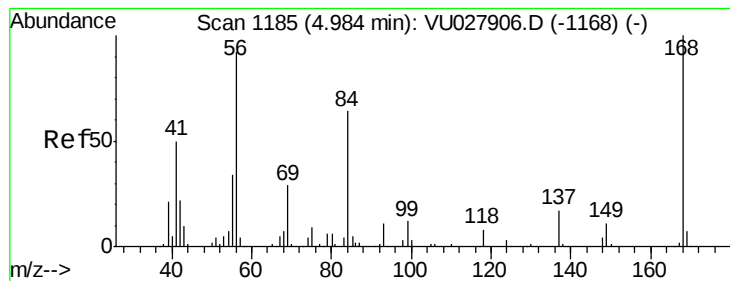
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU110218\
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QLast Update : Fri Nov 02 02:28:20 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	49152	17.881	ug/l	98
94) Hexachlorobutadiene	13.69	225	23505	18.398	ug/l	100
95) Naphthalene	13.74	128	187682	18.670	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	54197	20.093	ug/l	99

(#) = 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: VU027915.D

Acq: 02 Nov 2018 10:56

Instrument :

MSVOA_U

ClientSampleId :

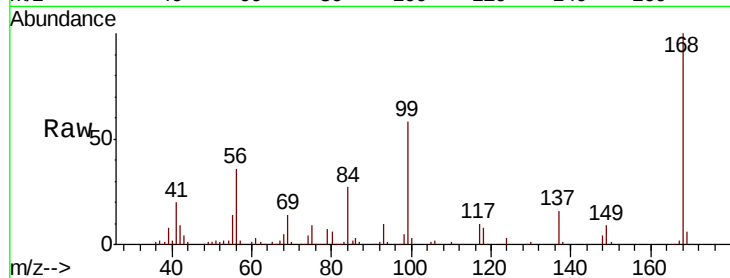
VU1102WBS01

Tot Ion:168 Resp: 154002

Ion Ratio Lower Upper

168 100

99 57.1 47.9 71.9



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

Ion 98.90 (98.60 to 99.60): VU027915.D (-1092) (-)

4.99

80000

60000

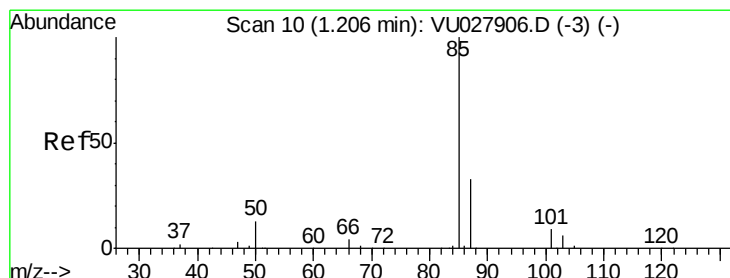
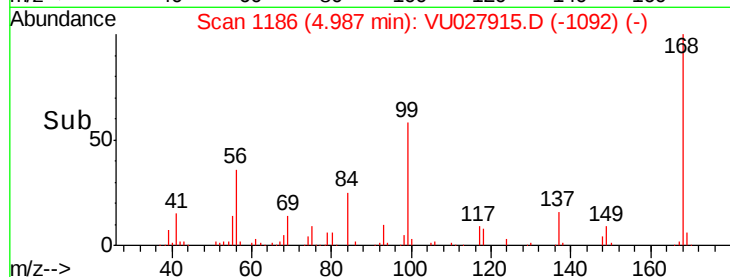
40000

20000

0

4.90 4.95 5.00 5.05

Time-->



#2

Dichlorodifluoromethane

Concen: 19.907 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU027915.D

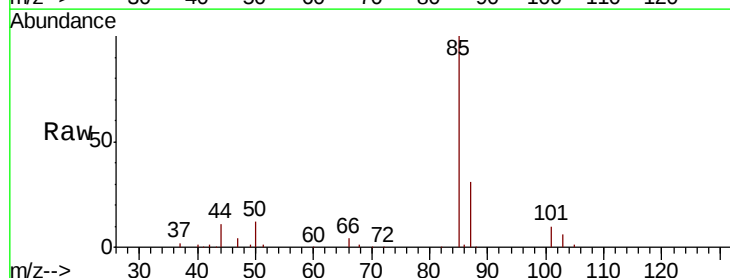
Acq: 02 Nov 2018 10:56

Tgt Ion: 85 Resp: 38955

Ion Ratio Lower Upper

85 100

87 31.0 16.5 49.5



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

Ion 86.90 (86.60 to 87.60): VU027915.D (-1) (-)

1.21

40000

30000

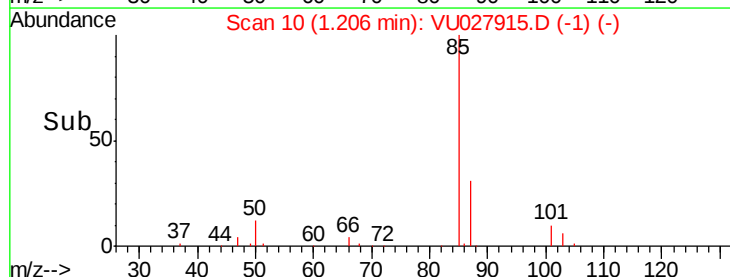
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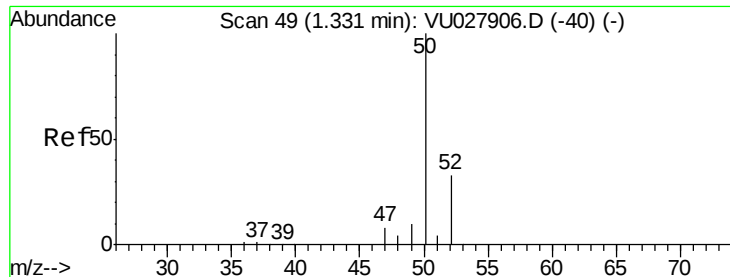
10000

0

1.20 1.25

Time-->





#3

Chloromethane

Concen: 19.821 ug/l

RT: 1.33 min Scan# 49

Delta R.T. -0.00 min

Lab File: VU027915.D

Acq: 02 Nov 2018 10:56

Instrument :

MSVOA_U

ClientSampleId :

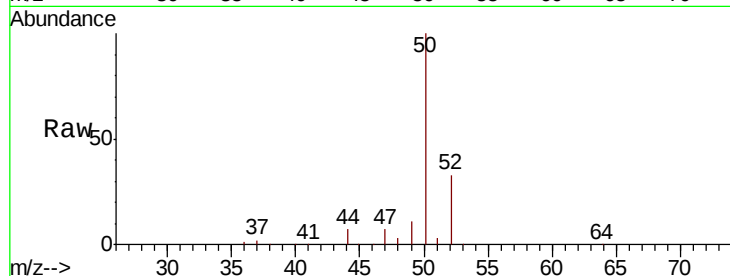
VU1102WBS01

Tot Ion: 50 Resp: 46909

Ion Ratio Lower Upper

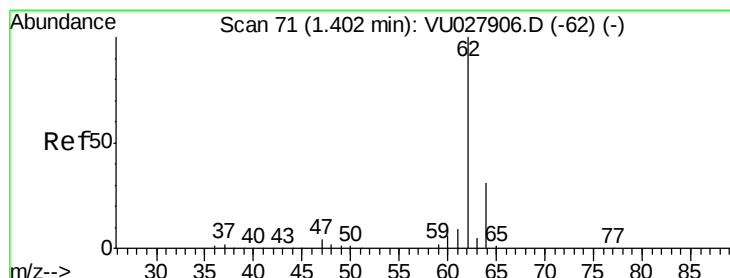
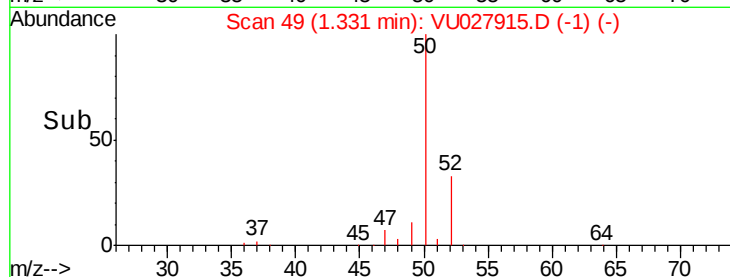
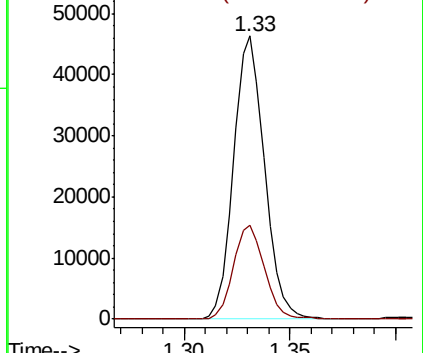
50 100

52 33.1 26.2 39.4



Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 19.775 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU027915.D

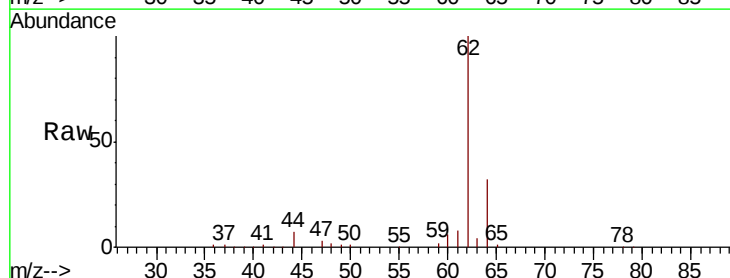
Acq: 02 Nov 2018 10:56

Tgt Ion: 62 Resp: 46449

Ion Ratio Lower Upper

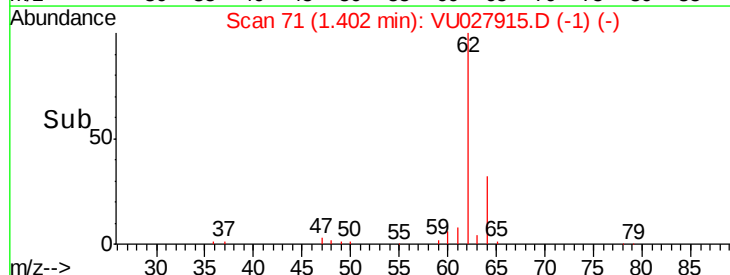
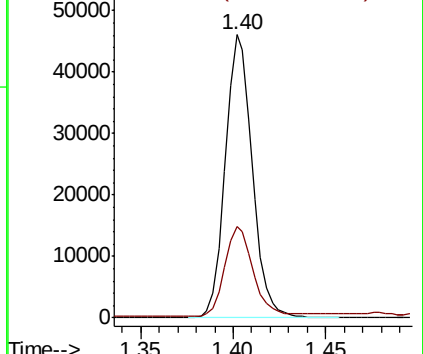
62 100

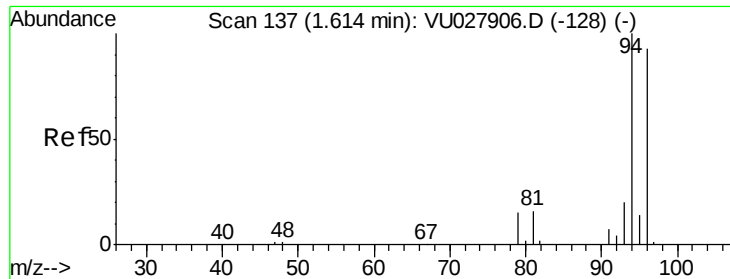
64 31.8 25.2 37.8



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 23.508 ug/l

RT: 1.62 min Scan# 140

Delta R.T. 0.01 min

Lab File: VU027915.D

Acq: 02 Nov 2018 10:56

Instrument :

MSVOA_U

ClientSampleId :

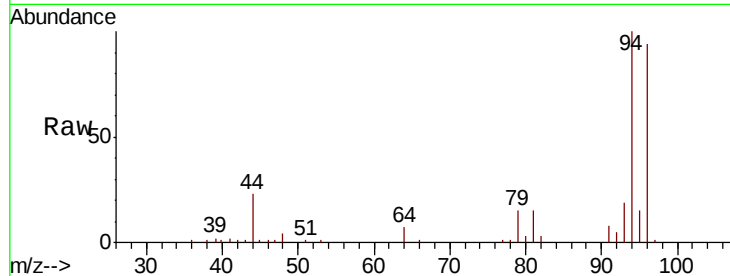
VU1102WBS01

Tot Ion: 94 Resp: 20444

Ion Ratio Lower Upper

94 100

96 93.9 74.8 112.2



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0

1.62

15000

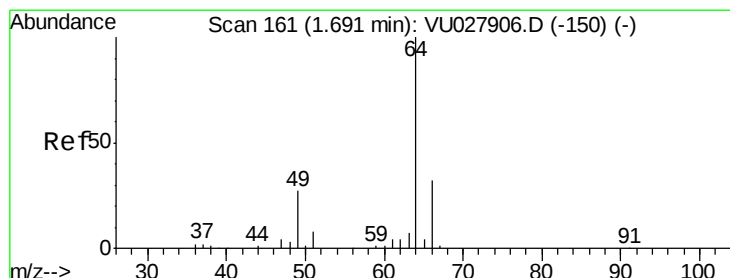
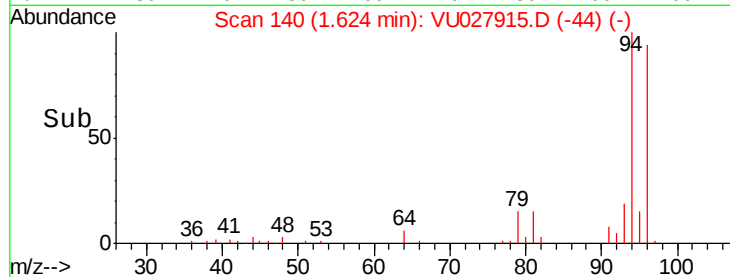
10000

5000

0

Time-->

1.60 1.65 1.70



#6

Chloroethane

Concen: 20.309 ug/l

RT: 1.70 min Scan# 163

Delta R.T. 0.01 min

Lab File: VU027915.D

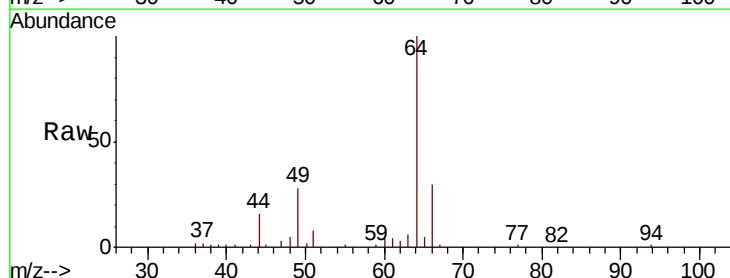
Acq: 02 Nov 2018 10:56

Tgt Ion: 64 Resp: 27491

Ion Ratio Lower Upper

64 100

66 31.5 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

25000

20000

15000

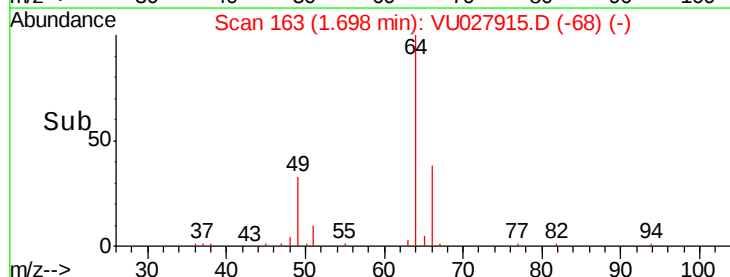
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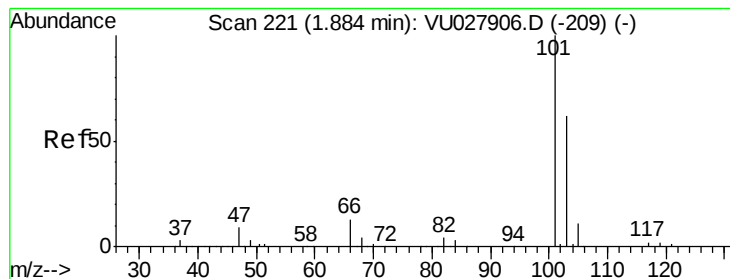
5000

0

Time-->

1.65 1.70 1.75



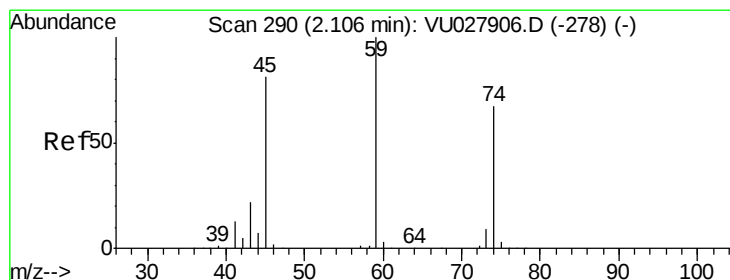
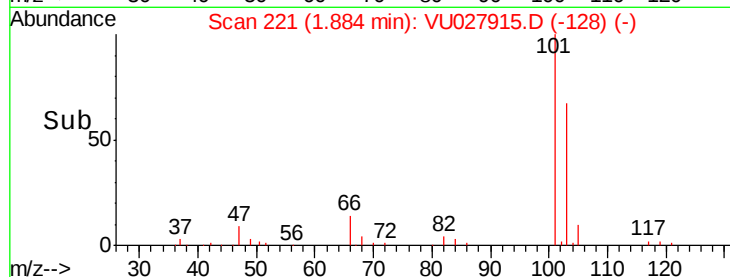
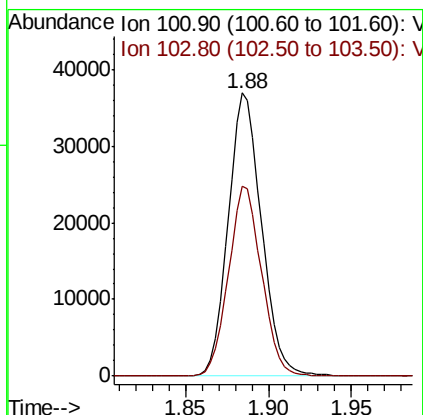
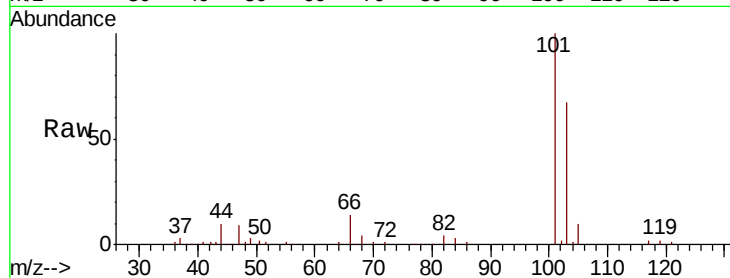


#7

Trichlorofluoromethane
 Concen: 18.997 ug/l
 RT: 1.88 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VU027915.D
 Acq: 02 Nov 2018 10:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1102WBS01

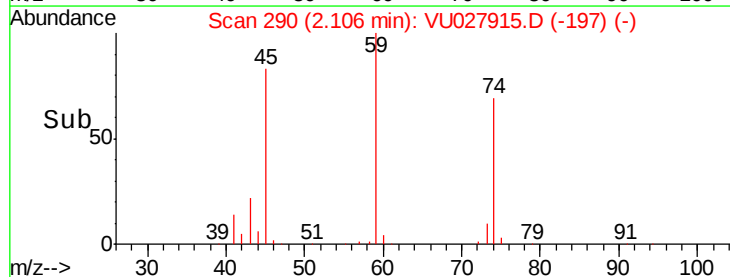
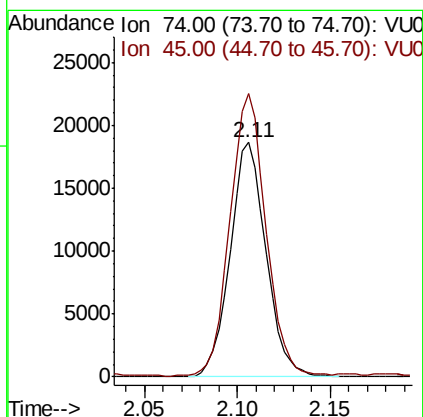
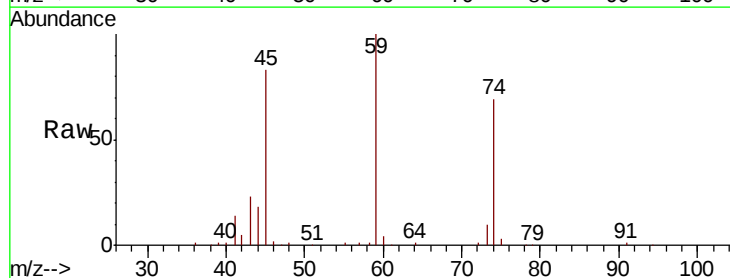
Tot Ion:101 Resp: 51563
 Ion Ratio Lower Upper
 101 100
 103 67.1 49.4 74.2

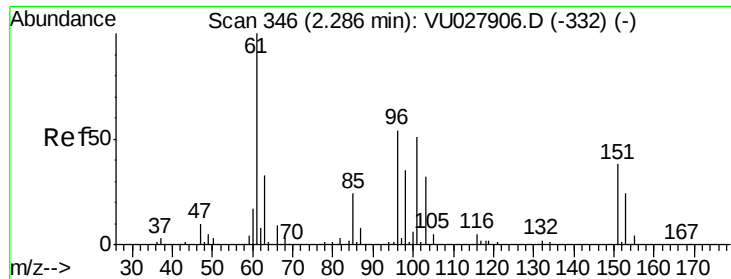


#8

Diethyl Ether
 Concen: 21.530 ug/l
 RT: 2.11 min Scan# 290
 Delta R.T. -0.00 min
 Lab File: VU027915.D
 Acq: 02 Nov 2018 10:56

Tgt Ion: 74 Resp: 25022
 Ion Ratio Lower Upper
 74 100
 45 121.8 60.5 181.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.128 ug/l

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU027915.D

Acq: 02 Nov 2018 10:56

Instrument :

MSVOA_U

ClientSampleId :

VU1102WBS01

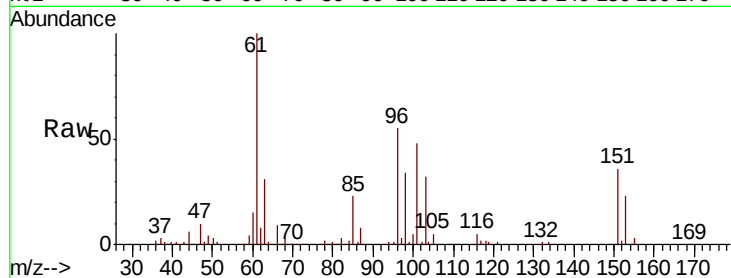
Tot Ion:101 Resp: 30843

Ion Ratio Lower Upper

101 100

85 47.4 36.9 55.3

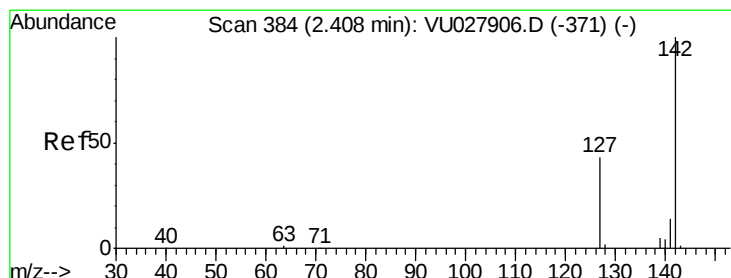
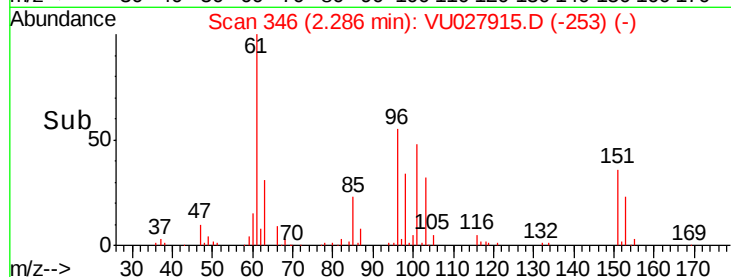
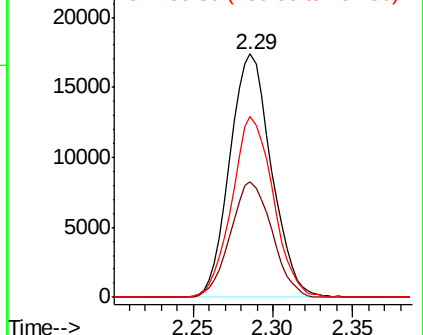
151 73.6 58.0 87.0



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: 19.103 ug/l

RT: 2.41 min Scan# 385

Delta R.T. 0.00 min

Lab File: VU027915.D

Acq: 02 Nov 2018 10:56

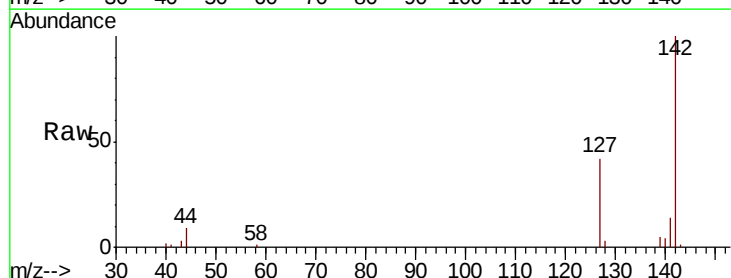
Tgt Ion:142 Resp: 19884

Ion Ratio Lower Upper

142 100

127 41.6 35.2 52.8

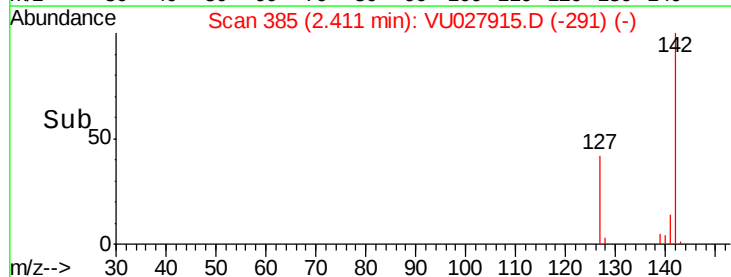
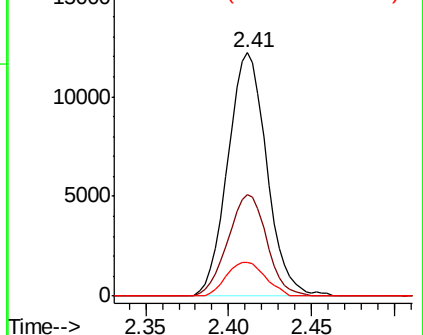
141 13.9 11.8 17.8

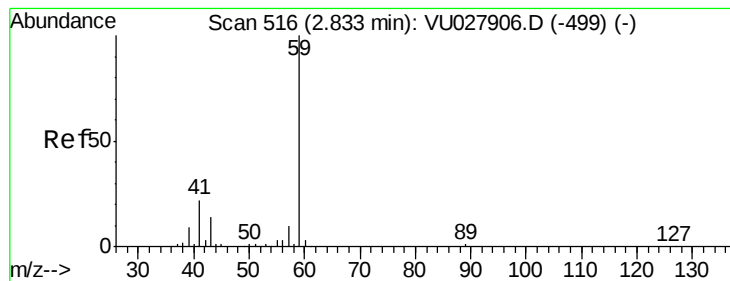


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



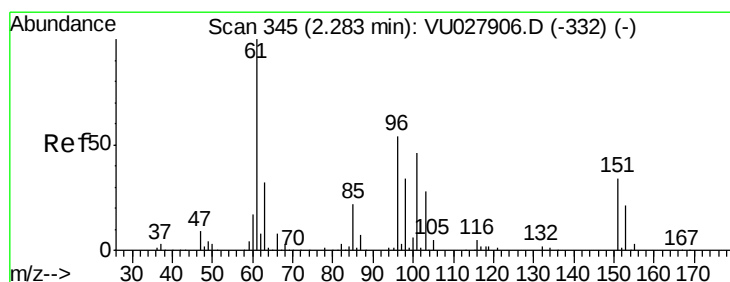
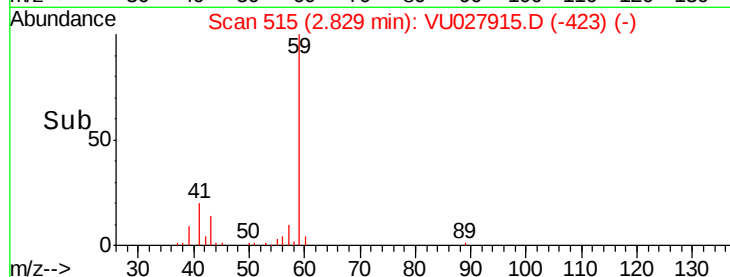
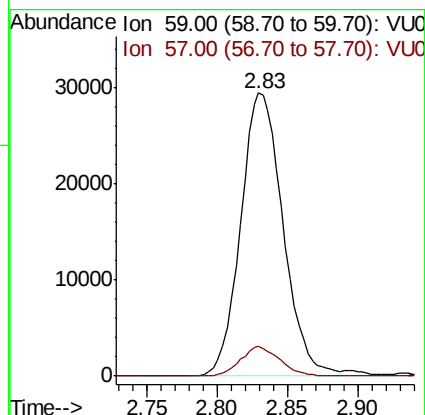
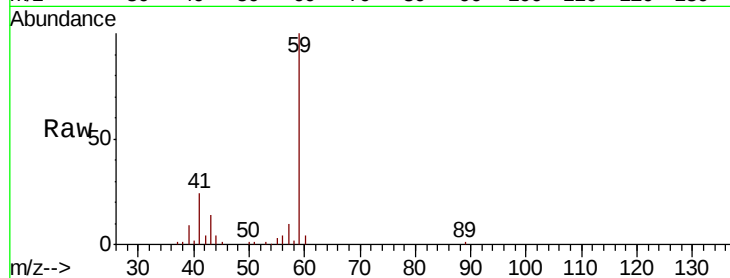


#11

Tert butyl alcohol
 Concen: 101.848 ug/l
 RT: 2.83 min Scan# 515
 Delta R.T. -0.00 min
 Lab File: VU027915.D
 Acq: 02 Nov 2018 10:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1102WBS01

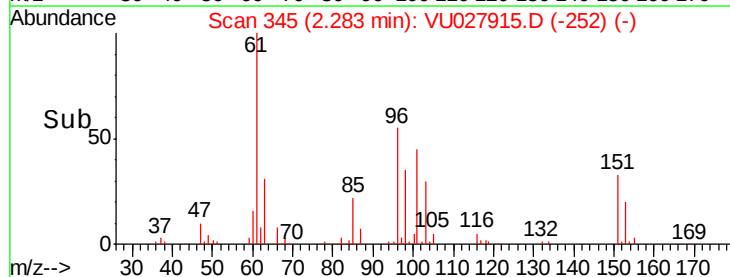
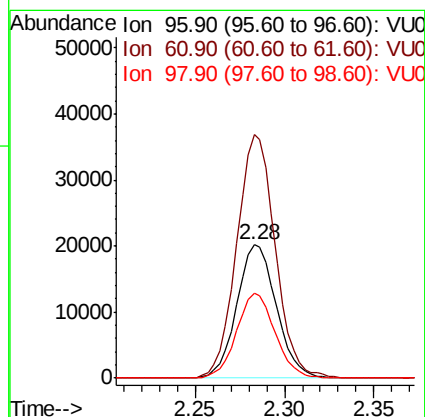
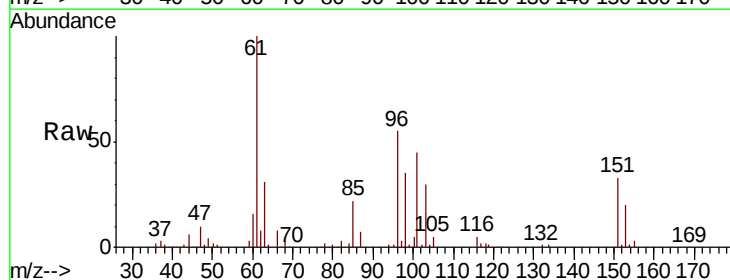
Tot Ion: 59 Resp: 61734
 Ion Ratio Lower Upper
 59 100
 57 9.9 7.8 11.8



#12

1,1-Dichloroethene
 Concen: 19.228 ug/l
 RT: 2.28 min Scan# 345
 Delta R.T. -0.00 min
 Lab File: VU027915.D
 Acq: 02 Nov 2018 10:56

Tgt Ion: 96 Resp: 31035
 Ion Ratio Lower Upper
 96 100
 61 183.0 149.3 223.9
 98 63.8 50.6 75.8

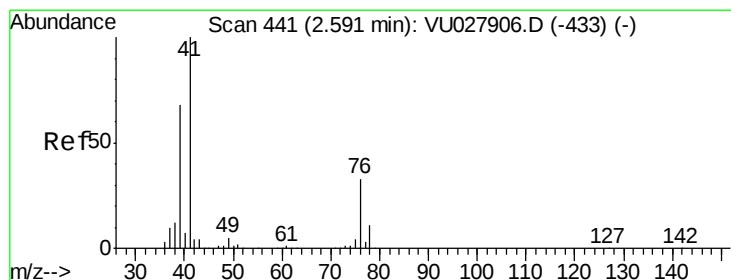
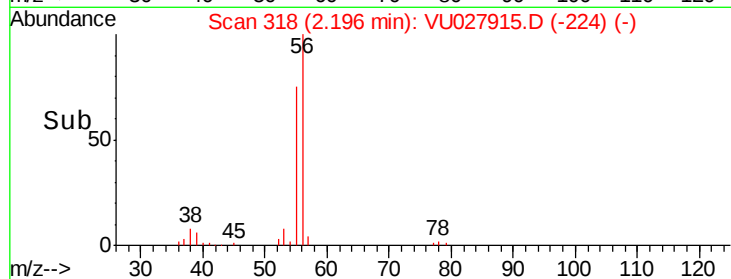
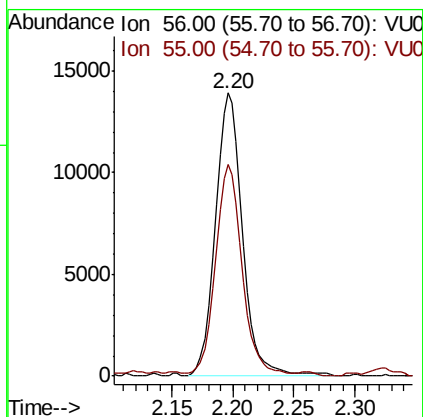
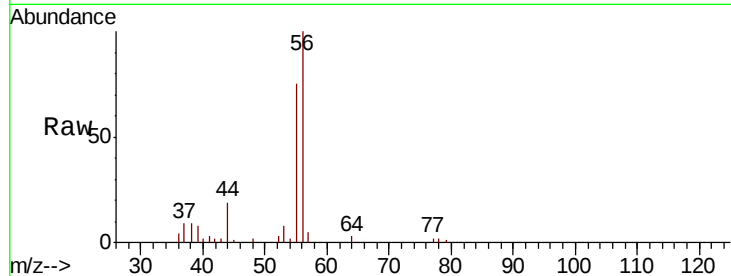




#13
Acrolein
Concen: 93.614 ug/l
RT: 2.20 min Scan# 318
Delta R.T. 0.00 min
Lab File: VU027915.D
Acq: 02 Nov 2018 10:56

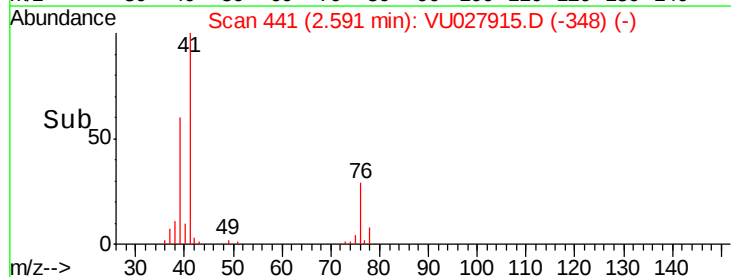
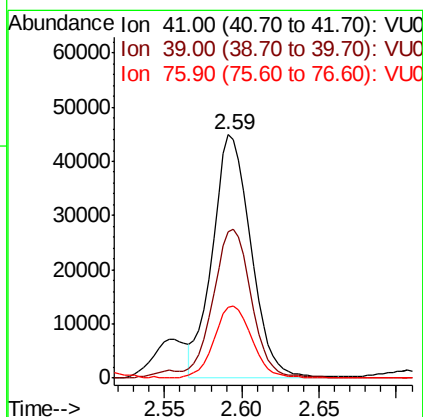
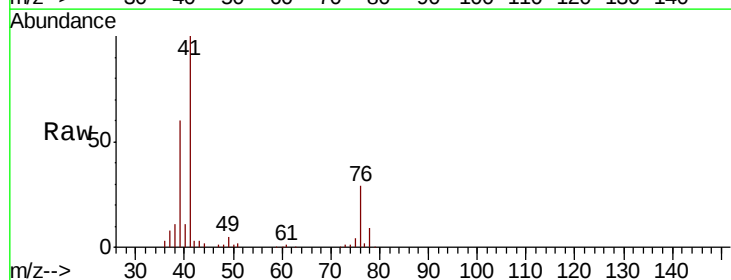
Instrument :
MSVOA_U
ClientSampleId :
VU1102WBS01

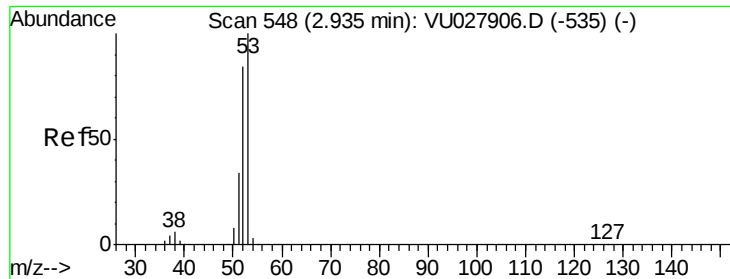
Tot Ion: 56 Resp: 21820
Ion Ratio Lower Upper
56 100
55 70.8 56.2 84.4



#14
Allyl chloride
Concen: 19.585 ug/l
RT: 2.59 min Scan# 441
Delta R.T. -0.00 min
Lab File: VU027915.D
Acq: 02 Nov 2018 10:56

Tgt Ion: 41 Resp: 77257
Ion Ratio Lower Upper
41 100
39 61.9 51.9 77.9
76 29.2 23.8 35.6





#15

Acrylonitrile

Concen: 107.644 ug/l

RT: 2.94 min Scan# 549

Delta R.T. 0.00 min

Lab File: VU027915.D

Acq: 02 Nov 2018 10:56

Instrument :

MSVOA_U

ClientSampleId :

VU1102WBS01

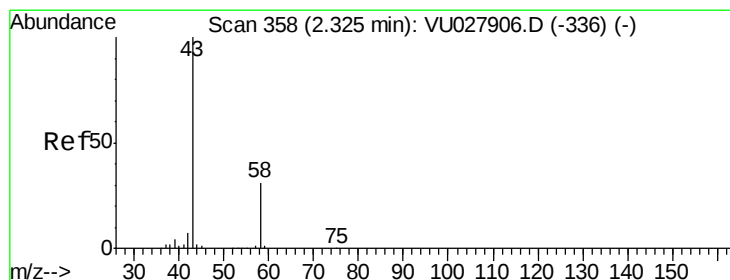
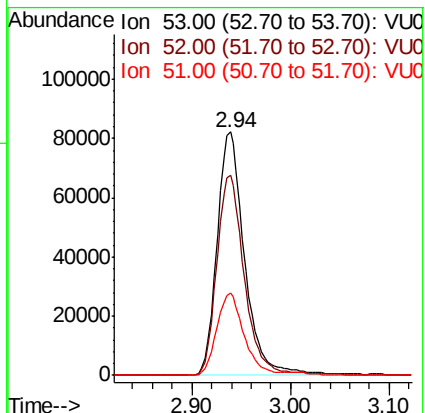
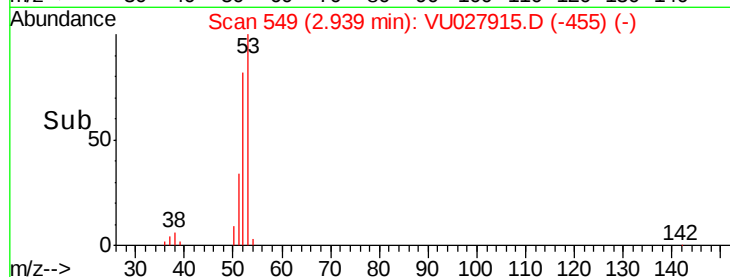
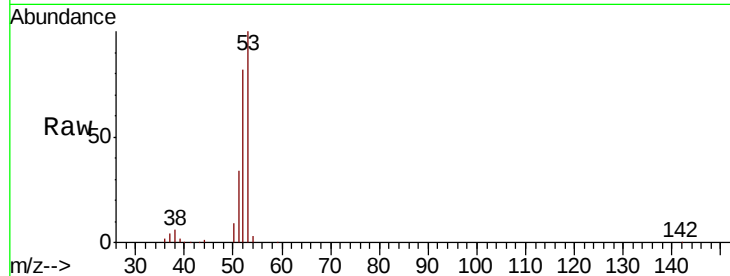
Tot Ion: 53 Resp: 160275

Ion Ratio Lower Upper

53 100

52 82.7 66.2 99.2

51 34.9 27.0 40.4



#16

Acetone

Concen: 103.680 ug/l

RT: 2.32 min Scan# 358

Delta R.T. -0.00 min

Lab File: VU027915.D

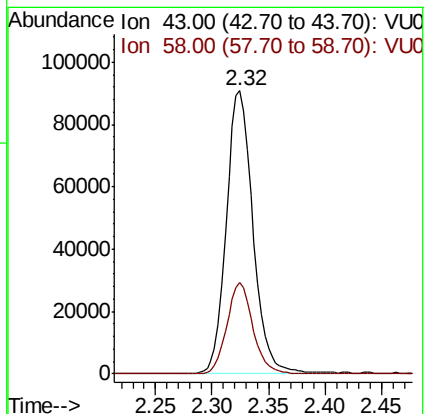
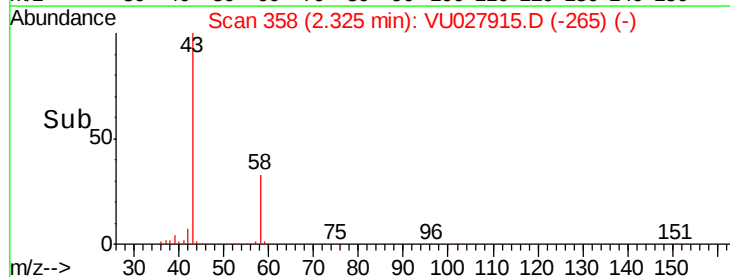
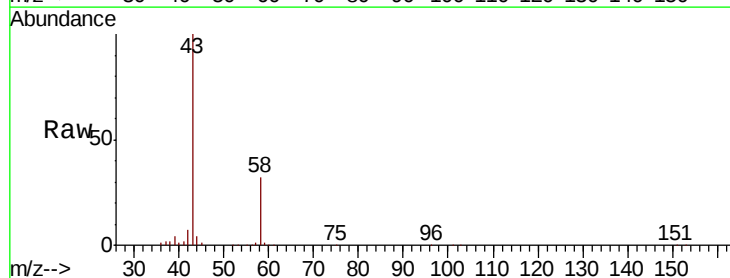
Acq: 02 Nov 2018 10:56

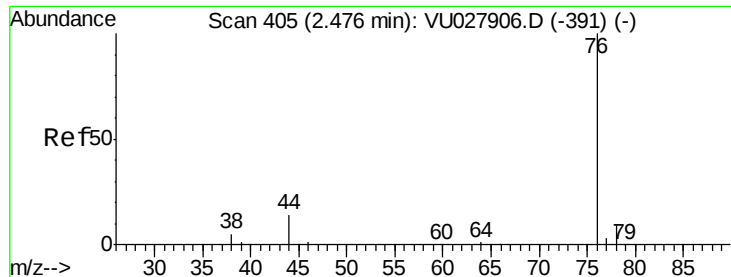
Tgt Ion: 43 Resp: 147284

Ion Ratio Lower Upper

43 100

58 32.6 24.6 37.0





#17

Carbon Disulfide

Concen: 18.629 ug/l

RT: 2.48 min Scan# 406

Delta R.T. 0.00 min

Lab File: VU027915.D

Acq: 02 Nov 2018 10:56

Instrument :

MSVOA_U

ClientSampleId :

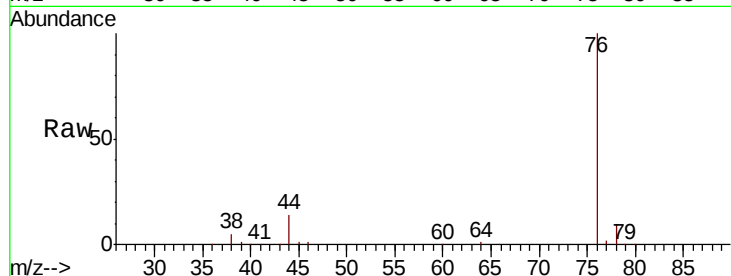
VU1102WBS01

Tot Ion: 76 Resp: 98277

Ion Ratio Lower Upper

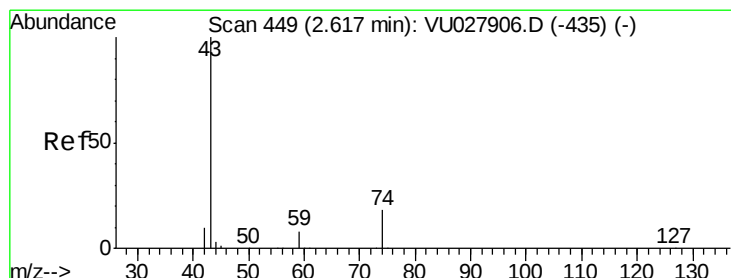
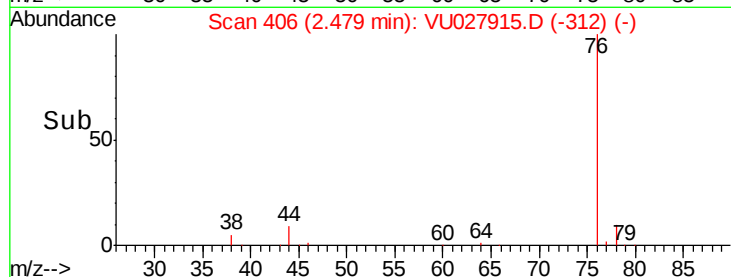
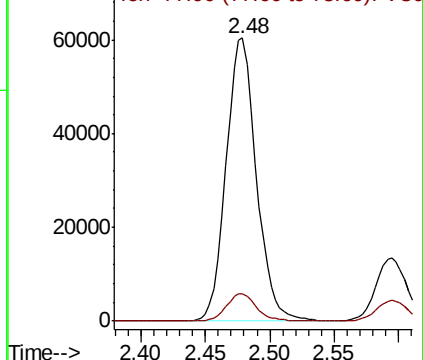
76 100

78 9.8 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#18

Methyl Acetate

Concen: 21.009 ug/l

RT: 2.62 min Scan# 449

Delta R.T. -0.00 min

Lab File: VU027915.D

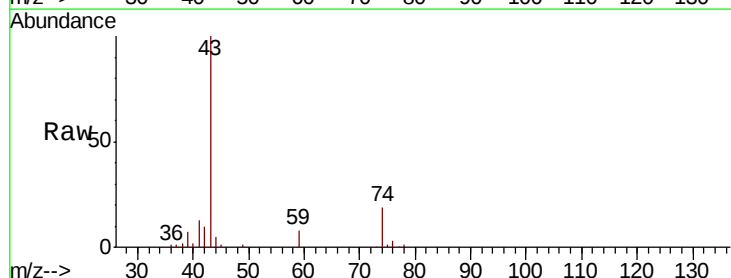
Acq: 02 Nov 2018 10:56

Tgt Ion: 43 Resp: 82098

Ion Ratio Lower Upper

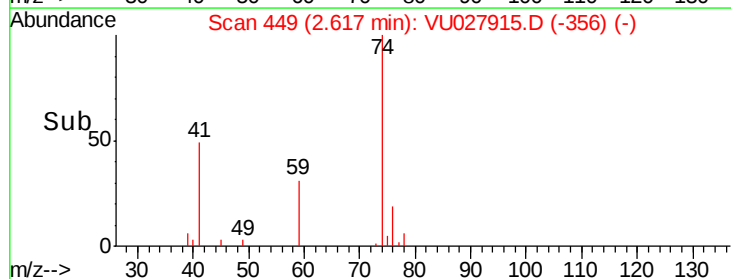
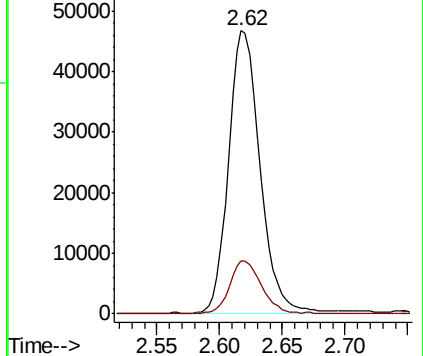
43 100

74 18.9 14.9 22.3



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

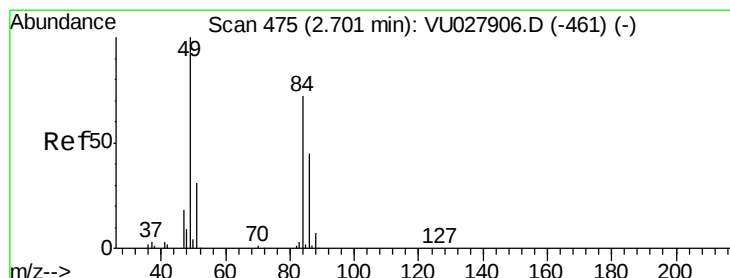
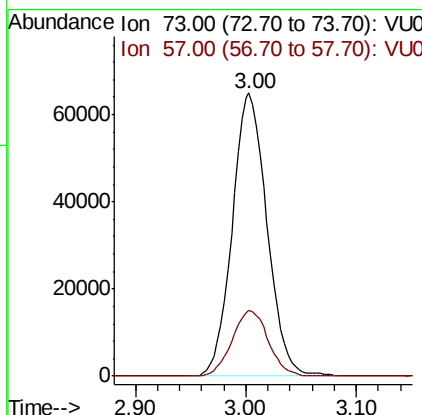
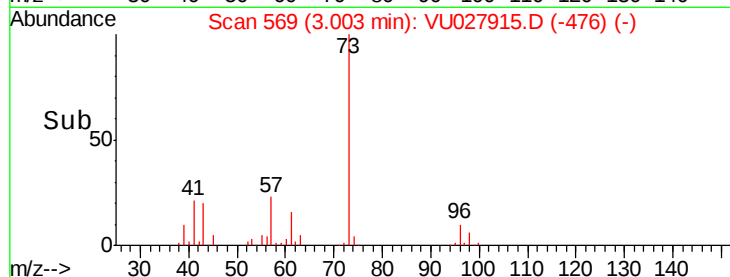
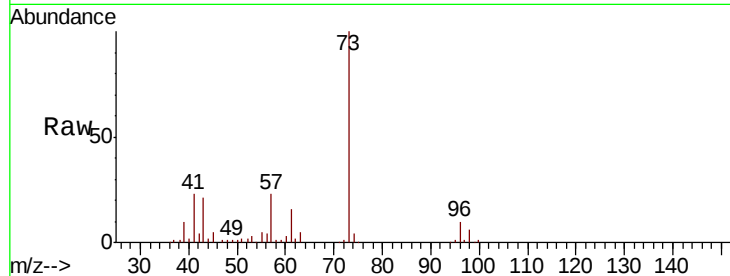




#19
Methyl tert-butyl Ether
Concen: 21.710 ug/l
RT: 3.00 min Scan# 569
Delta R.T. 0.00 min
Lab File: VU027915.D
Acq: 02 Nov 2018 10:56

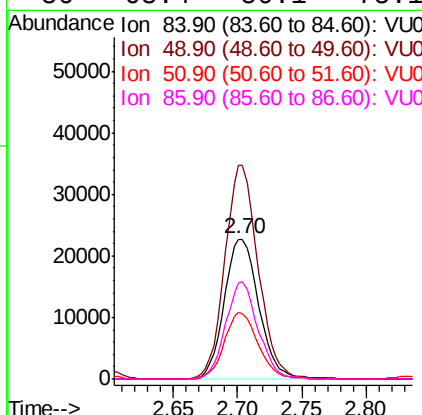
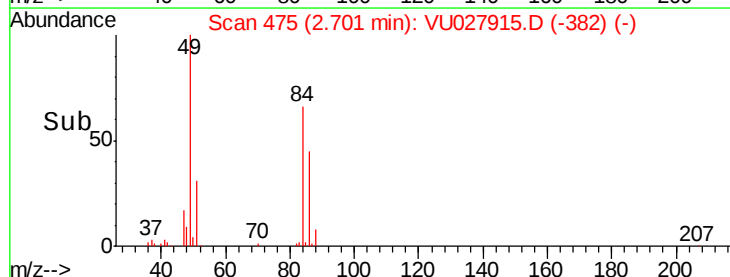
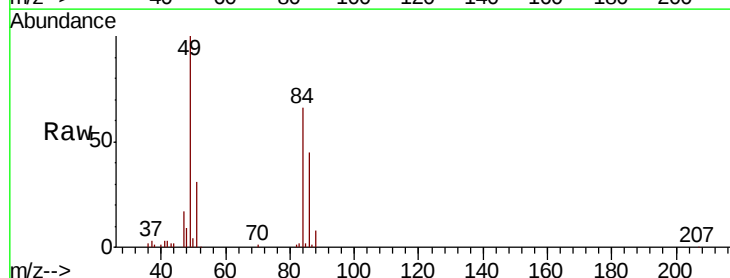
Instrument :
MSVOA_U
ClientSampleId :
VU1102WBS01

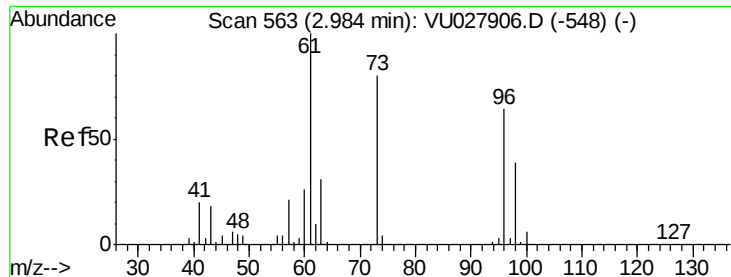
Tot Ion: 73 Resp: 141306
Ion Ratio Lower Upper
73 100
57 23.4 19.3 28.9



#20
Methylene Chloride
Concen: 20.312 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU027915.D
Acq: 02 Nov 2018 10:56

Tgt Ion: 84 Resp: 42129
Ion Ratio Lower Upper
84 100
49 152.7 111.6 167.4
51 47.6 34.8 52.2
86 68.4 50.1 75.1





#21

trans-1,2-Dichloroethene

Concen: 19.218 ug/l

RT: 2.98 min Scan# 563

Delta R.T. -0.00 min

Lab File: VU027915.D

Acq: 02 Nov 2018 10:56

Instrument :

MSVOA_U

ClientSampleId :

VU1102WBS01

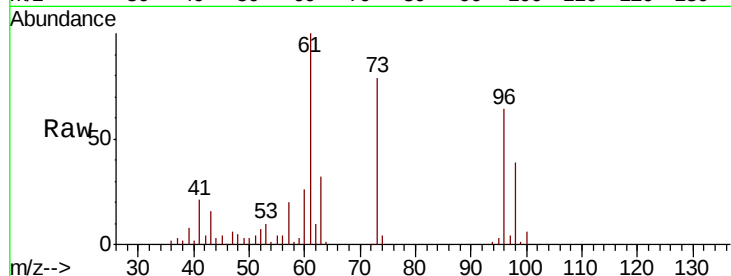
Tot Ion: 96 Resp: 35797

Ion Ratio Lower Upper

96 100

61 155.3 125.0 187.6

98 61.0 48.2 72.4

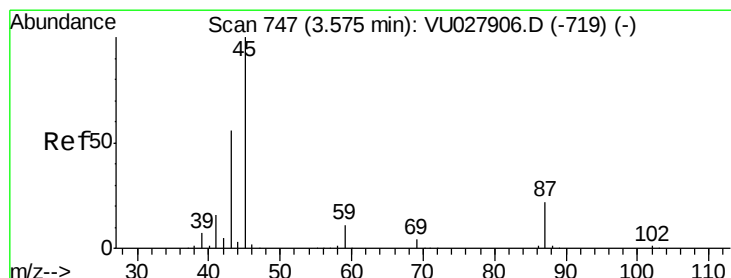
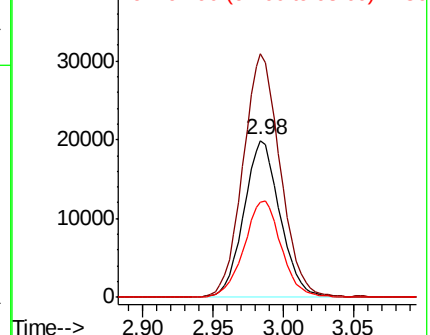
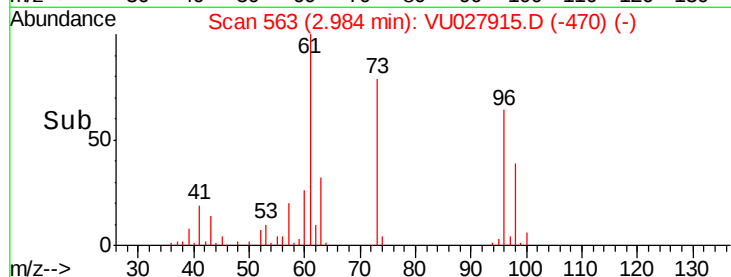


Abundance

Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#22

Diisopropyl ether

Concen: 21.061 ug/l

RT: 3.58 min Scan# 747

Delta R.T. -0.00 min

Lab File: VU027915.D

Acq: 02 Nov 2018 10:56

Tgt Ion: 45 Resp: 171525

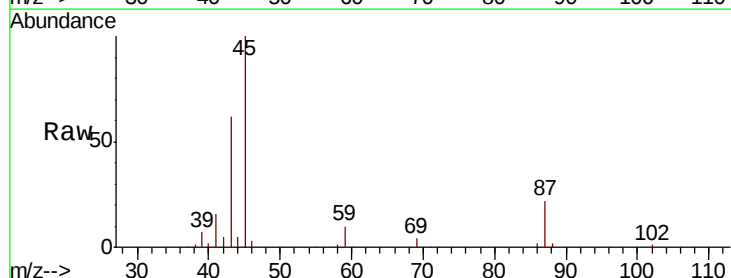
Ion Ratio Lower Upper

45 100

43 61.4 45.0 67.6

87 21.5 17.9 26.9

59 10.2 8.6 12.8



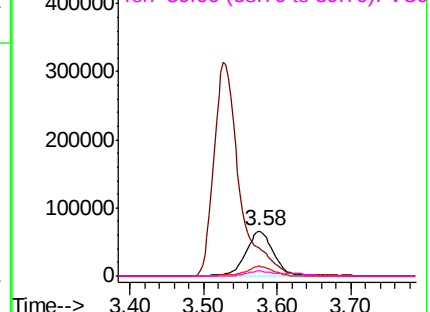
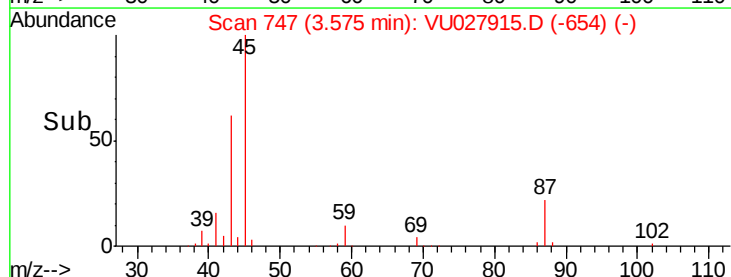
Abundance

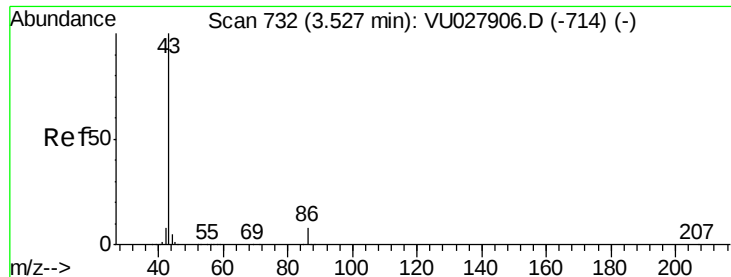
Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

Ion 59.00 (58.70 to 59.70): VU0





#23

Vinyl Acetate

Concen: 108.404 ug/l

RT: 3.53 min Scan# 732

Delta R.T. -0.00 min

Lab File: VU027915.D

Acq: 02 Nov 2018 10:56

Instrument :

MSVOA_U

ClientSampleId :

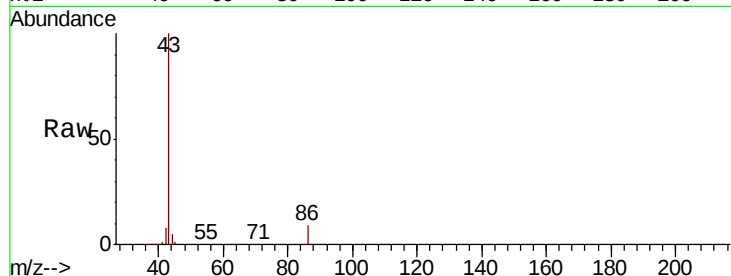
VU1102WBS01

Tot Ion: 43 Resp: 758745

Ion Ratio Lower Upper

43 100

86 8.5 6.6 9.8



Abundance Ion 43.00 (42.70 to 43.70): VU027915.D (-639) (-)

Ion 86.00 (85.70 to 86.70): VU027915.D (-639) (-)

3.53

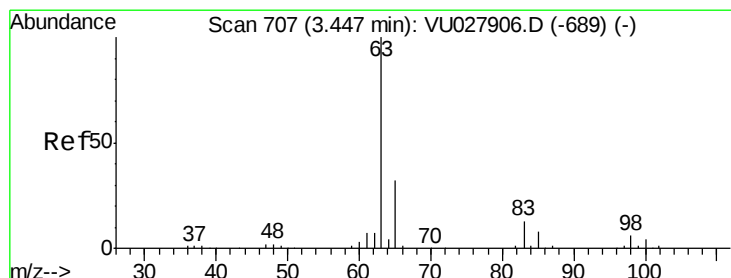
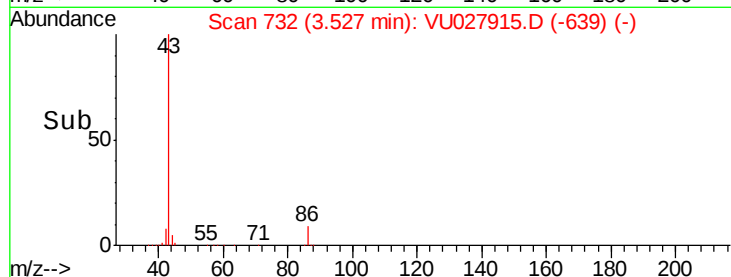
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.280 ug/l

RT: 3.45 min Scan# 708

Delta R.T. 0.00 min

Lab File: VU027915.D

Acq: 02 Nov 2018 10:56

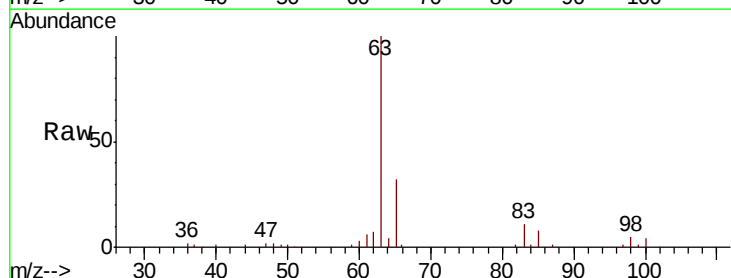
Tgt Ion: 63 Resp: 82266

Ion Ratio Lower Upper

63 100

98 5.5 2.9 8.6

100 3.6 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VU027915.D (-614) (-)

Ion 97.90 (97.60 to 98.60): VU027915.D (-614) (-)

Ion 99.90 (99.60 to 100.60): VU027915.D (-614) (-)

3.45

50000

40000

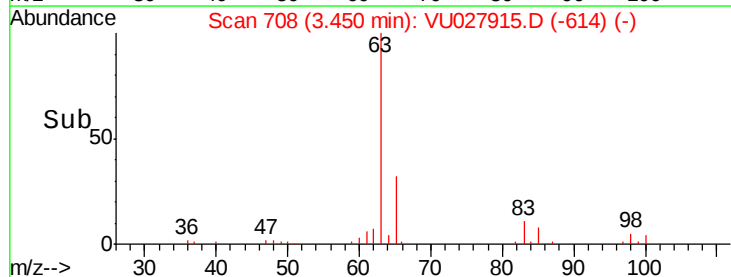
30000

20000

10000

0

Time-->





#25

2-Butanone

Concen: 105.553 ug/l

RT: 4.27 min Scan# 962

Delta R.T. 0.00 min

Lab File: VU027915.D

Acq: 02 Nov 2018 10:56

Instrument :

MSVOA_U

ClientSampleId :

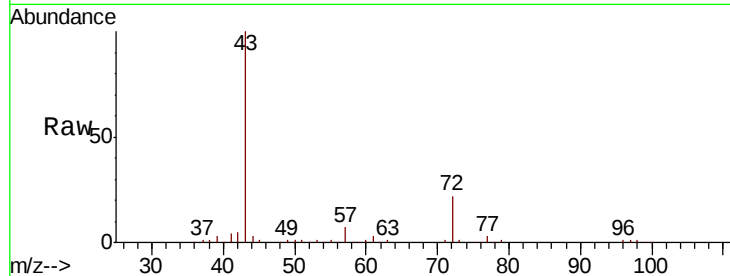
VU1102WBS01

Tot Ion: 43 Resp: 238548

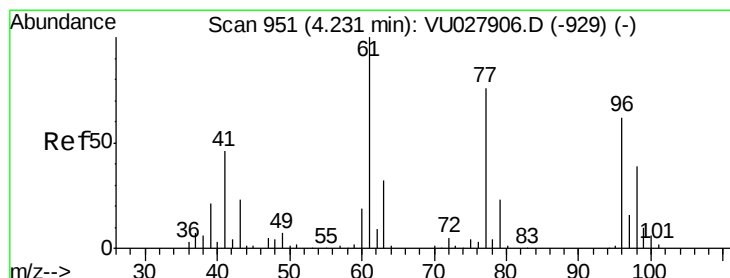
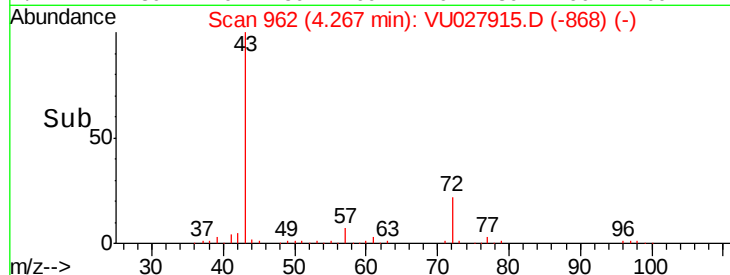
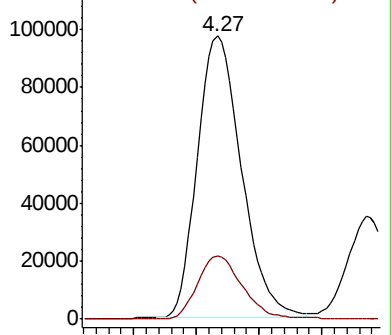
Ion Ratio Lower Upper

43 100

72 22.1 17.7 26.5



Abundance Ion 43.00 (42.70 to 43.70): VU027915.D (-868) (-)



#26

2,2-Dichloropropane

Concen: 19.297 ug/l

RT: 4.23 min Scan# 951

Delta R.T. -0.00 min

Lab File: VU027915.D

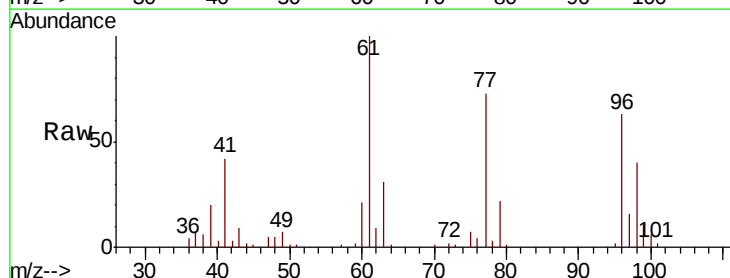
Acq: 02 Nov 2018 10:56

Tgt Ion: 77 Resp: 58746

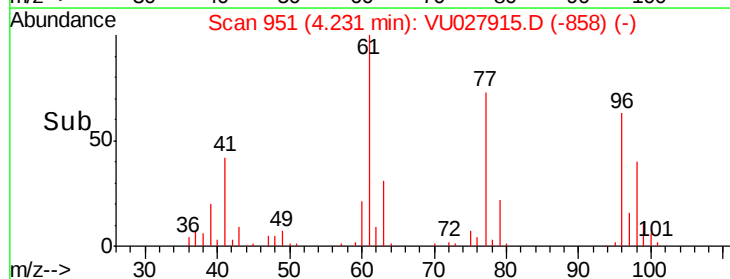
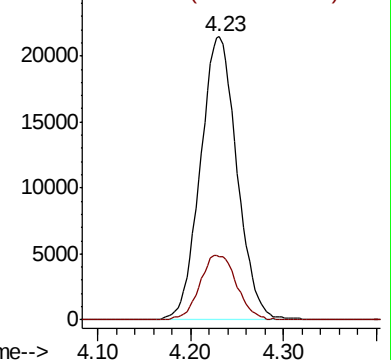
Ion Ratio Lower Upper

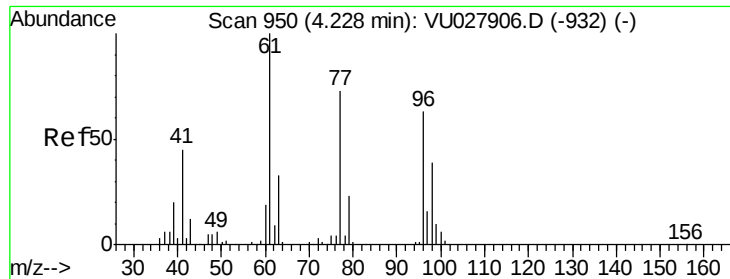
77 100

97 22.9 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VU027915.D (-858) (-)



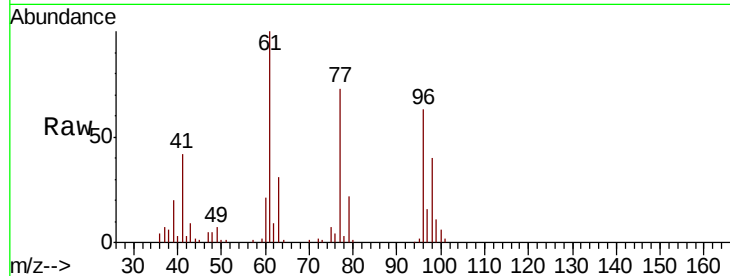


#27

cis-1,2-Dichloroethene
Concen: 21.180 ug/l
RT: 4.23 min Scan# 951
Delta R.T. 0.00 min
Lab File: VU027915.D
Acq: 02 Nov 2018 10:56

Instrument :
MSVOA_U
ClientSampleId :
VU1102WBS01

Tot Ion	96	Resp	44239
Ion	Ratio	Lower	Upper
96	100		
61	162.0	0.0	329.6
98	63.4	0.0	127.2

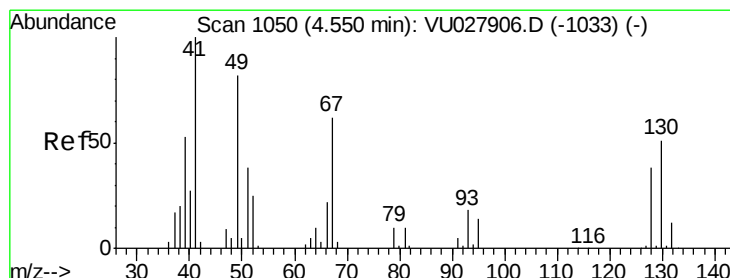
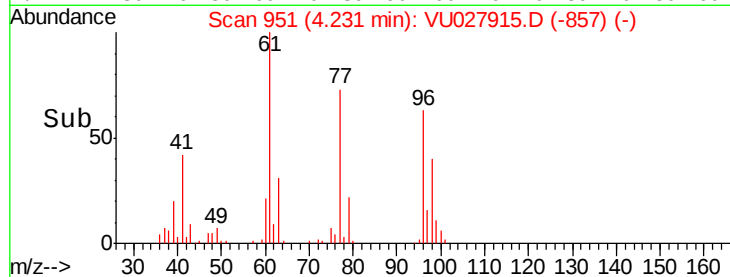
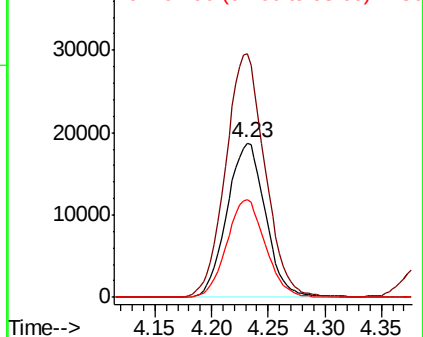


Abundance

Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

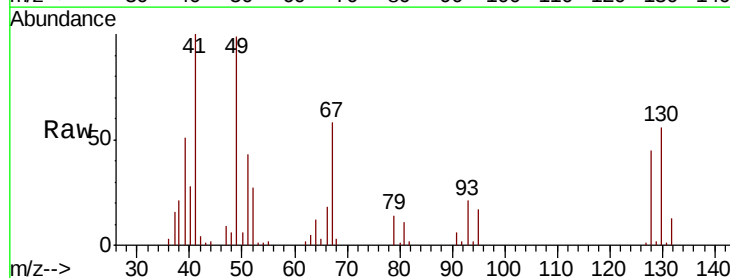
Ion 97.90 (97.60 to 98.60): VU0



#28

Bromochloromethane
Concen: 22.617 ug/l
RT: 4.55 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VU027915.D
Acq: 02 Nov 2018 10:56

Tgt Ion	49	Resp	43012
Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	3.0
130	57.5	47.8	71.6

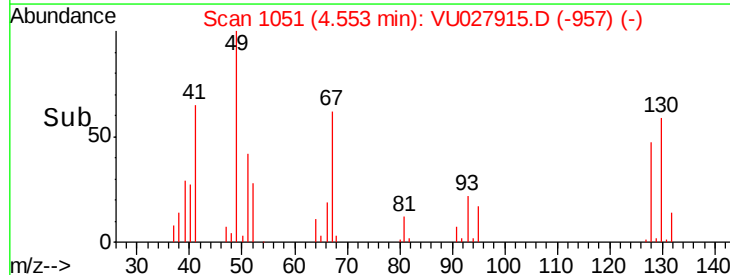
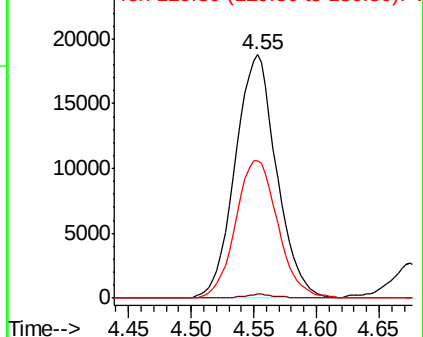


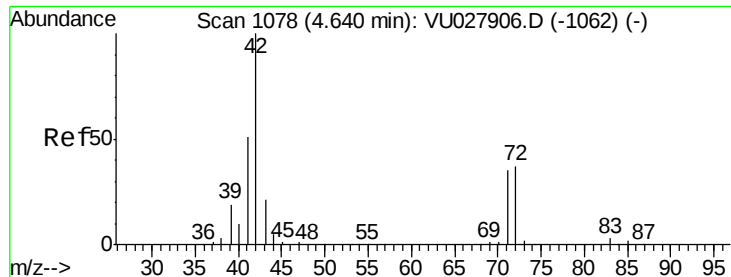
Abundance

Ion 48.90 (48.60 to 49.60): VU0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

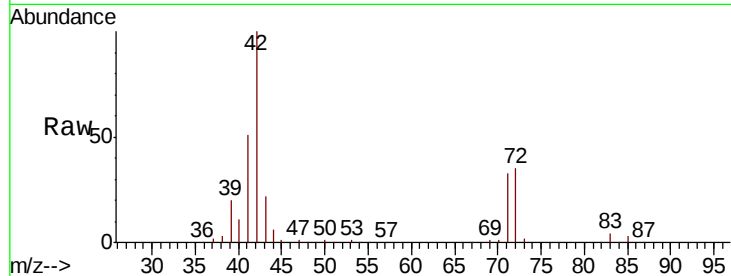




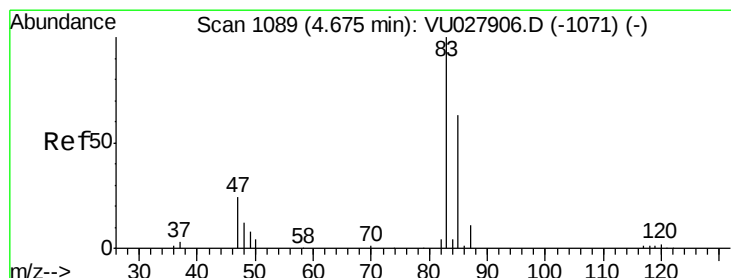
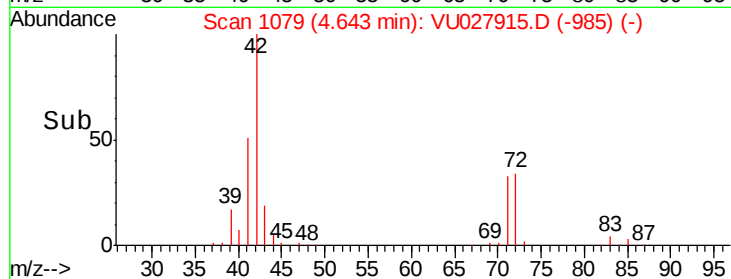
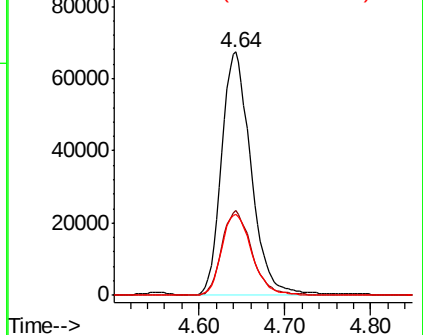
#29
Tetrahydrofuran
Concen: 106.291 ug/l
RT: 4.64 min Scan# 1079
Delta R.T. 0.00 min
Lab File: VU027915.D
Acq: 02 Nov 2018 10:56

Instrument :
MSVOA_U
ClientSampleId :
VU1102WBS01

Tot Ion: 42 Resp: 160403
Ion Ratio Lower Upper
42 100
72 35.7 29.4 44.0
71 34.3 27.9 41.9

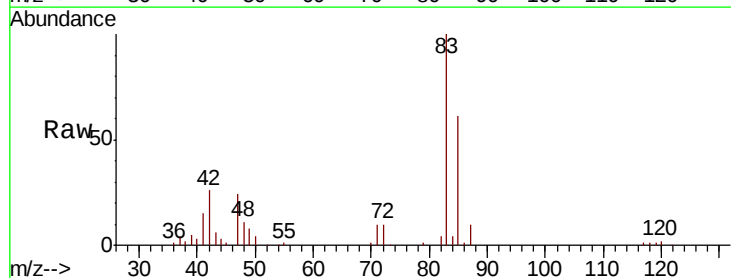


Abundance Ion 42.00 (41.70 to 42.70): VU0
Ion 72.00 (71.70 to 72.70): VU0
Ion 71.00 (70.70 to 71.70): VU0

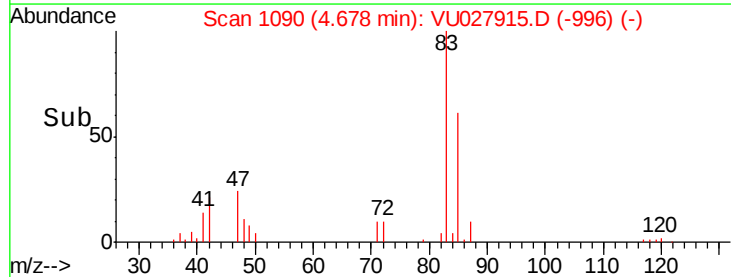
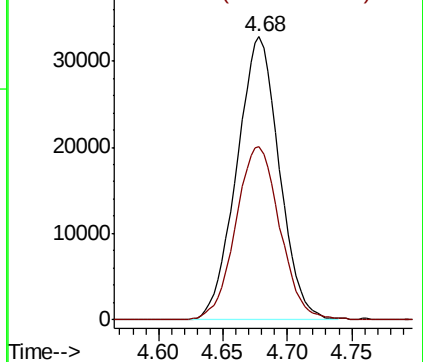


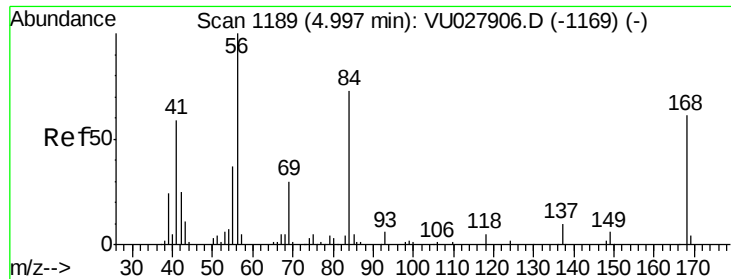
#30
Chloroform
Concen: 20.242 ug/l
RT: 4.68 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VU027915.D
Acq: 02 Nov 2018 10:56

Tgt Ion: 83 Resp: 75290
Ion Ratio Lower Upper
83 100
85 61.1 50.6 76.0



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

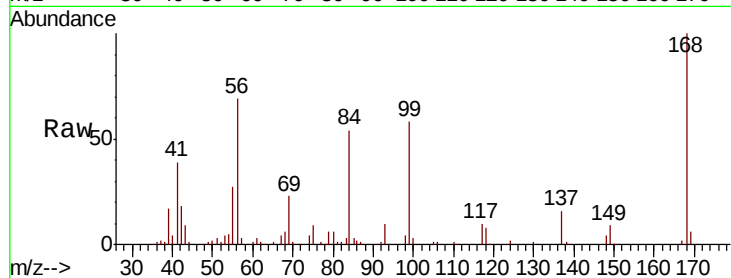




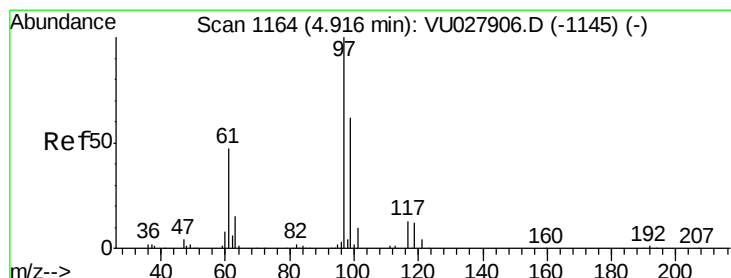
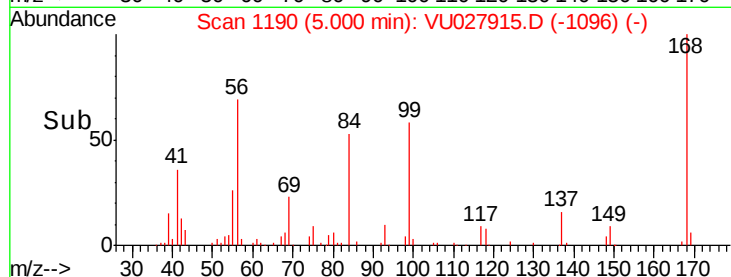
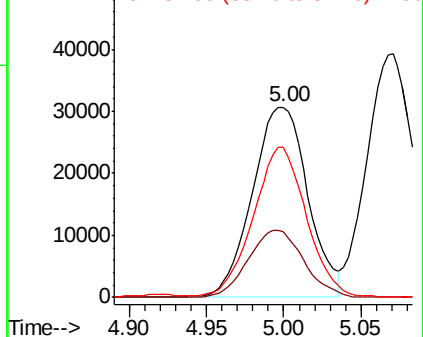
#31
Cyclohexane
Concen: 18.222 ug/l
RT: 5.00 min Scan# 1190
Delta R.T. 0.00 min
Lab File: VU027915.D
Acq: 02 Nov 2018 10:56

Instrument :
MSVOA_U
ClientSampleId :
VU1102WBS01

Tot Ion: 56 Resp: 76813
Ion Ratio Lower Upper
56 100
69 34.2 23.7 35.5
84 77.9 58.2 87.4

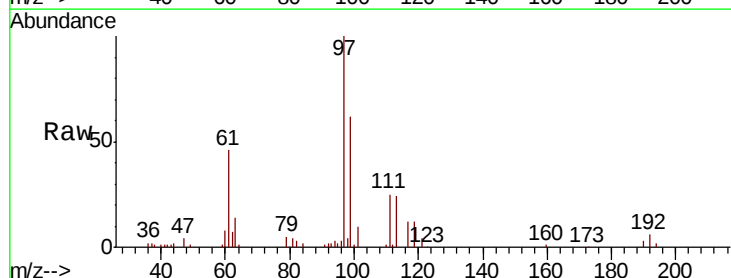


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

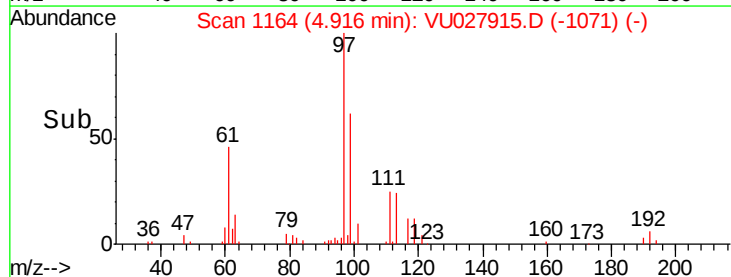
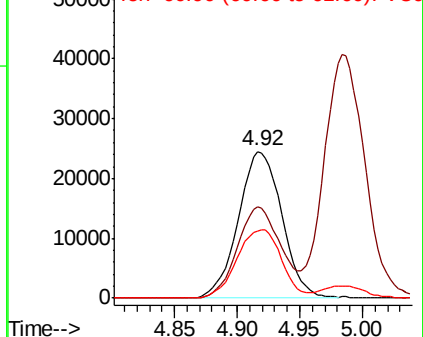


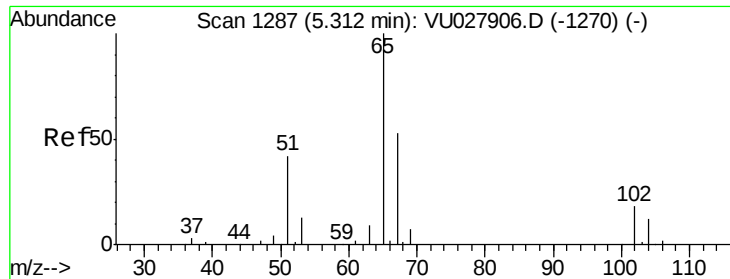
#32
1,1,1-Trichloroethane
Concen: 19.927 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. -0.00 min
Lab File: VU027915.D
Acq: 02 Nov 2018 10:56

Tgt Ion: 97 Resp: 58999
Ion Ratio Lower Upper
97 100
99 62.0 50.5 75.7
61 47.9 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: 55.364 ug/l

RT: 5.31 min Scan# 1287

Delta R.T. -0.00 min

Lab File: VU027915.D

Acq: 02 Nov 2018 10:56

Instrument :

MSVOA_U

ClientSampleId :

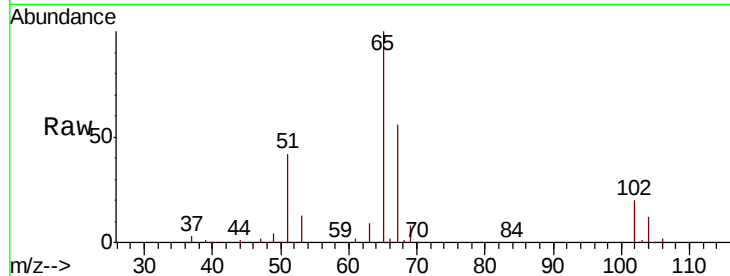
VU1102WBS01

Tot Ion: 65 Resp: 126764

Ion Ratio Lower Upper

65 100

67 55.0 0.0 109.0



Abundance Ion 64.90 (64.60 to 65.60): VU0

Ion 66.90 (66.60 to 67.60): VU0

5.31

60000

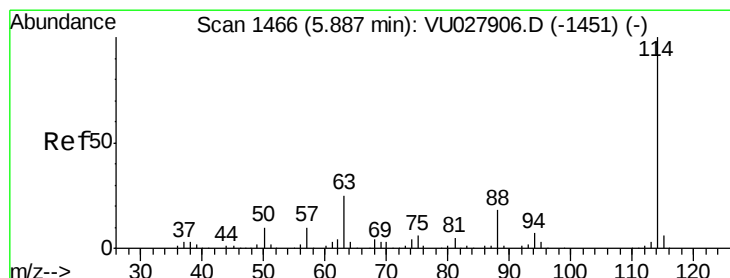
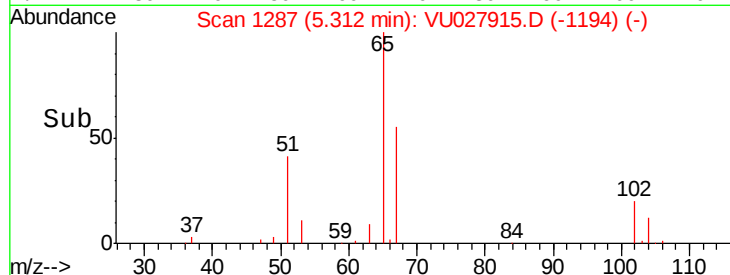
40000

20000

0

Time-->

5.20 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: VU027915.D

Acq: 02 Nov 2018 10:56

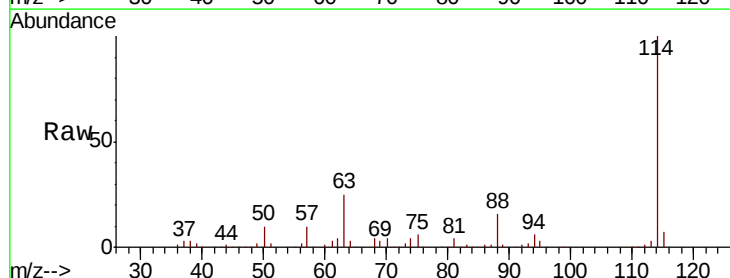
Tgt Ion: 114 Resp: 277732

Ion Ratio Lower Upper

114 100

63 24.7 0.0 50.8

88 15.8 0.0 35.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VU0

Ion 87.90 (87.60 to 88.60): VU0

150000

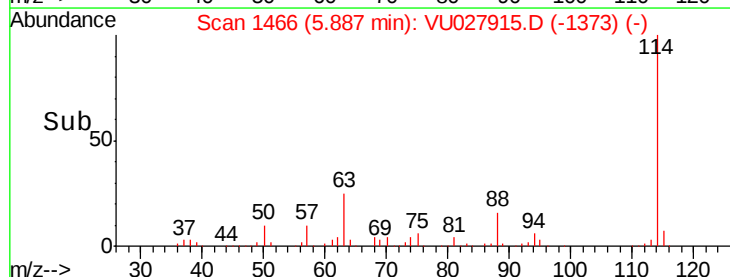
100000

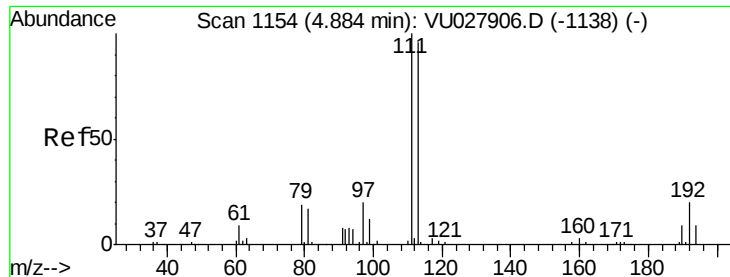
50000

0

Time-->

5.80 5.90 6.00

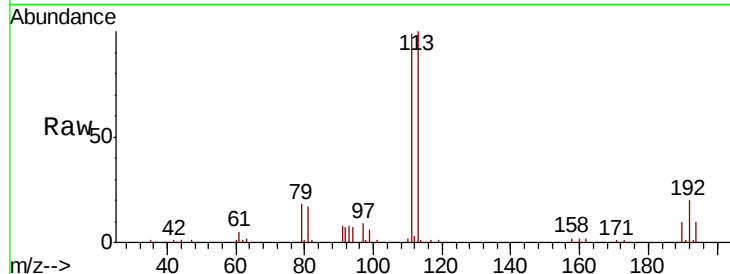




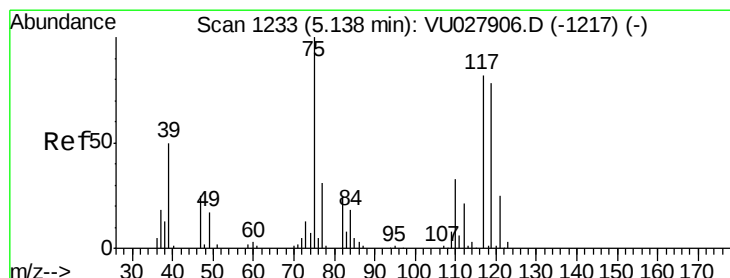
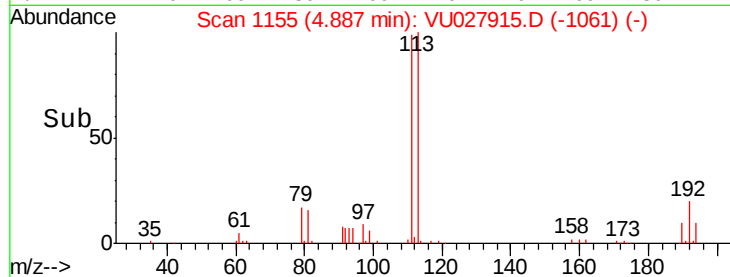
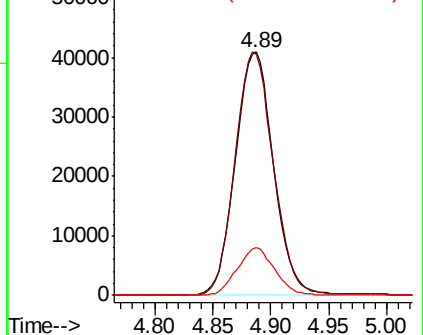
#35
 Dibromofluoromethane
 Concen: 53.370 ug/l
 RT: 4.89 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: VU027915.D
 Acq: 02 Nov 2018 10:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1102WBS01

Tot Ion:113 Resp: 93458
 Ion Ratio Lower Upper
 113 100
 111 100.3 83.0 124.6
 192 19.2 15.6 23.4

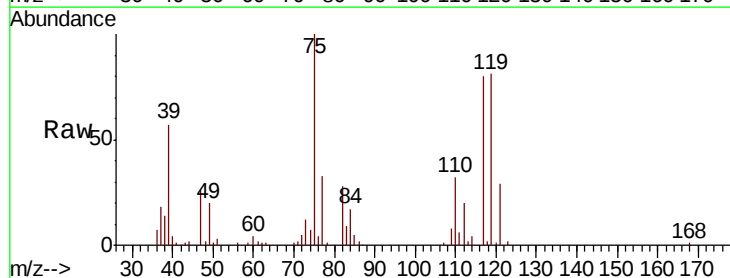


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

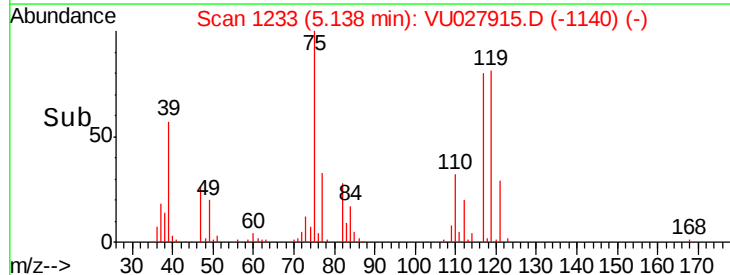
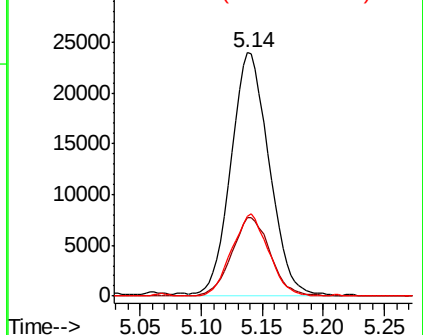


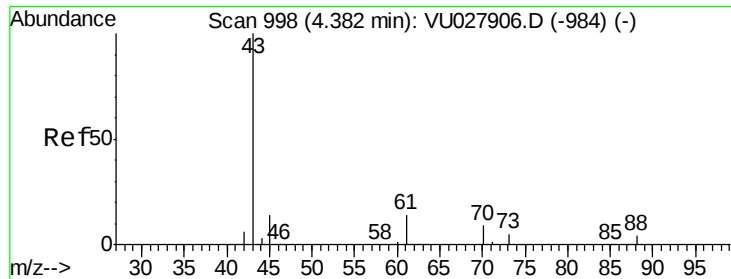
#36
 1,1-Dichloropropene
 Concen: 17.982 ug/l
 RT: 5.14 min Scan# 1233
 Delta R.T. -0.00 min
 Lab File: VU027915.D
 Acq: 02 Nov 2018 10:56

Tgt Ion: 75 Resp: 52307
 Ion Ratio Lower Upper
 75 100
 110 32.2 16.5 49.5
 77 32.1 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

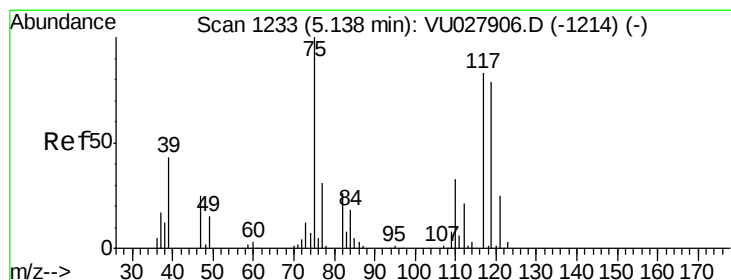
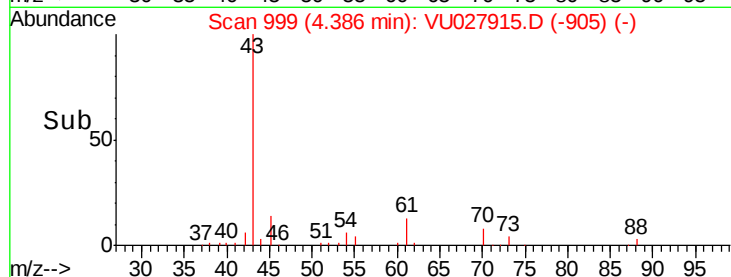
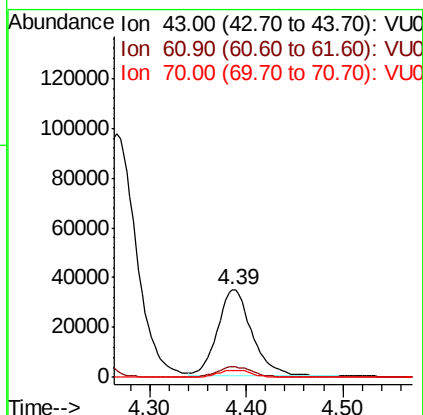
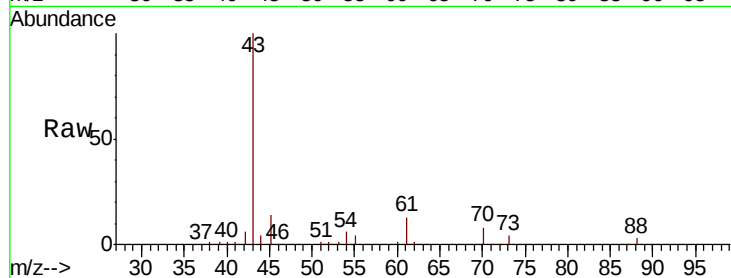




#37
Ethyl Acetate
Concen: 20.420 ug/l
RT: 4.39 min Scan# 999
Delta R.T. 0.00 min
Lab File: VU027915.D
Acq: 02 Nov 2018 10:56

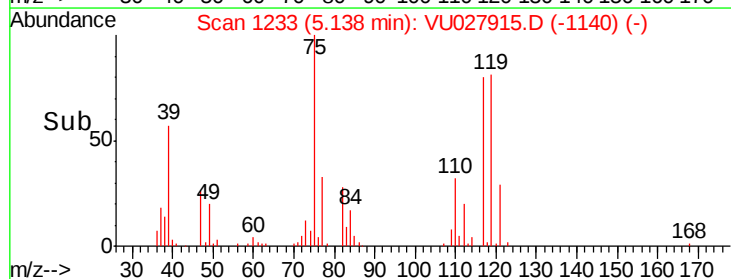
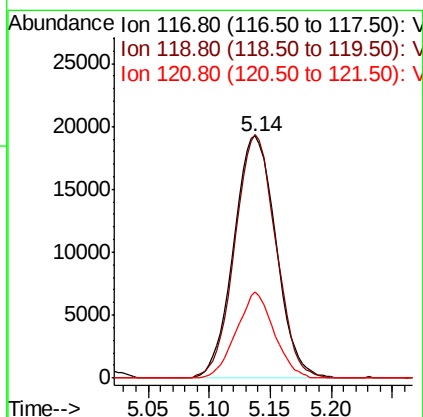
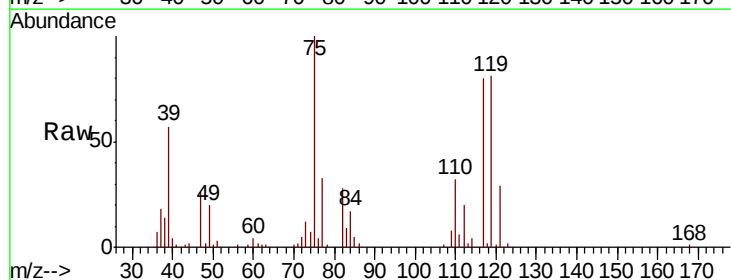
Instrument :
MSVOA_U
ClientSampleId :
VU1102WBS01

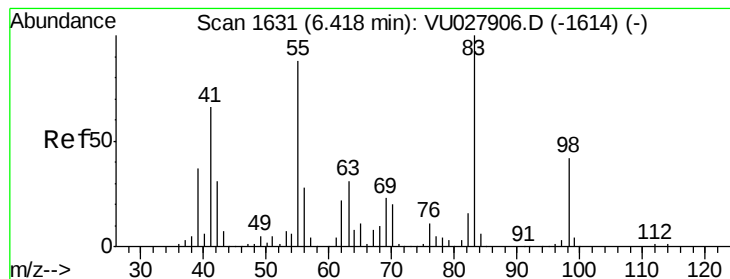
Tot Ion: 43 Resp: 87030
Ion Ratio Lower Upper
43 100
61 13.0 10.3 15.5
70 8.2 7.0 10.6



#38
Carbon Tetrachloride
Concen: 17.860 ug/l
RT: 5.14 min Scan# 1233
Delta R.T. -0.00 min
Lab File: VU027915.D
Acq: 02 Nov 2018 10:56

Tgt Ion: 117 Resp: 46039
Ion Ratio Lower Upper
117 100
119 100.6 76.0 114.0
121 35.7 24.5 36.7





#39

Methvlcvclohexane

Concen: 18.131 ug/l

RT: 6.42 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VU027915.D

Acq: 02 Nov 2018 10:56

Instrument :

MSVOA_U

ClientSampleId :

VU1102WBS01

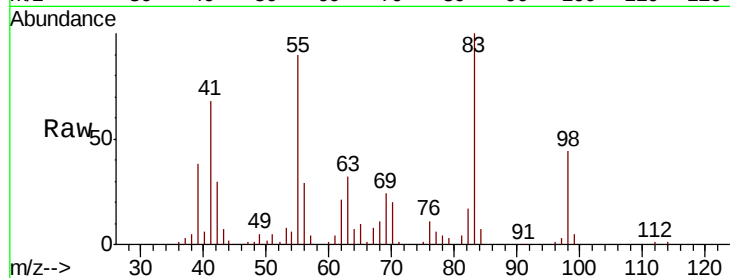
Tot Ion: 83 Resp: 63610

Ion Ratio Lower Upper

83 100

55 89.8 70.3 105.5

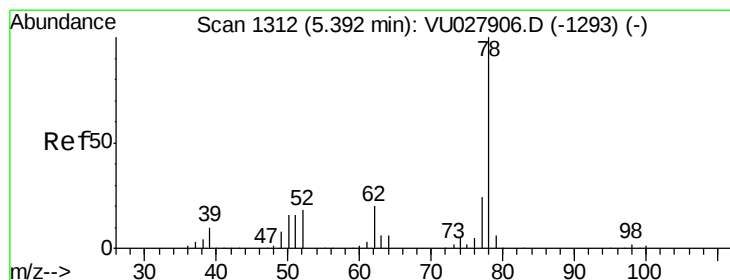
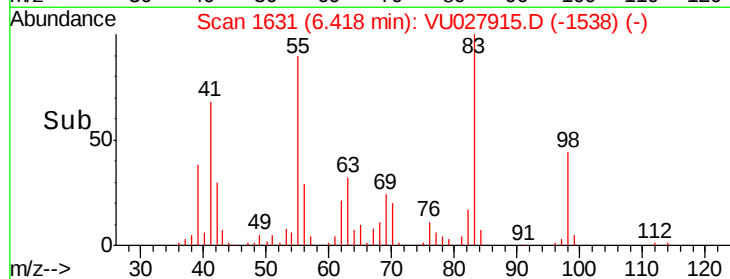
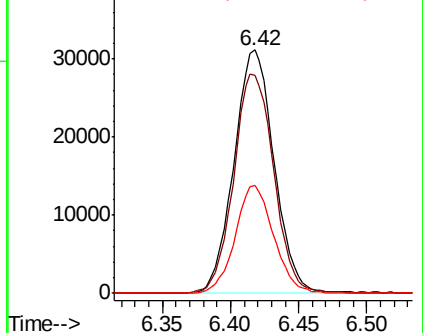
98 44.3 34.0 51.0



Abundance Ion 83.00 (82.70 to 83.70): VU027906.D (-1614) (-)

Ion 55.00 (54.70 to 55.70): VU027906.D (-1614) (-)

Ion 98.00 (97.70 to 98.70): VU027906.D (-1614) (-)



#40

Benzene

Concen: 19.335 ug/l

RT: 5.39 min Scan# 1312

Delta R.T. -0.00 min

Lab File: VU027915.D

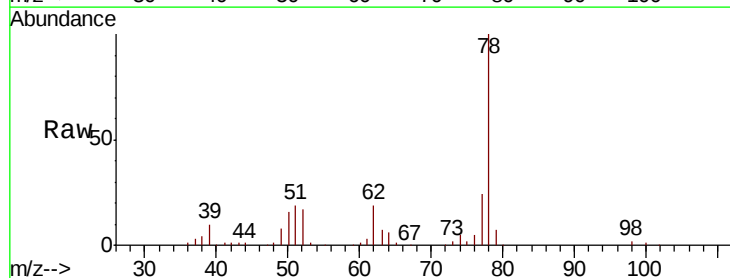
Acq: 02 Nov 2018 10:56

Tgt Ion: 78 Resp: 171949

Ion Ratio Lower Upper

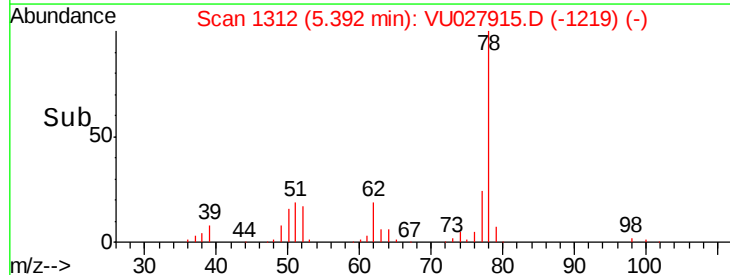
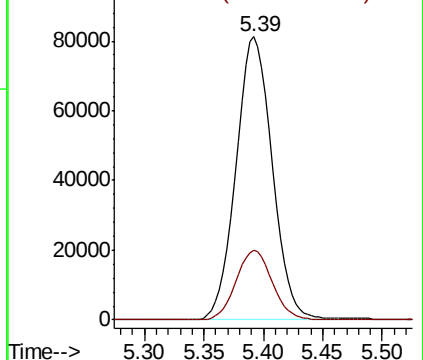
78 100

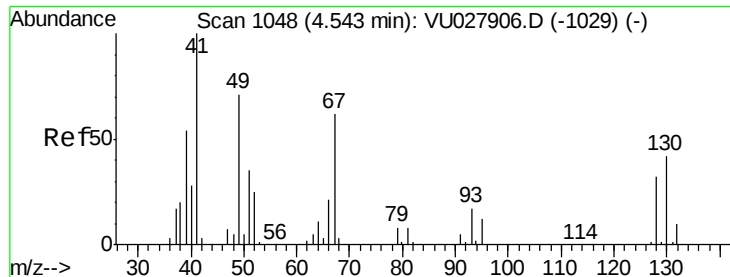
77 24.4 19.3 28.9



Abundance Ion 78.00 (77.70 to 78.70): VU027906.D (-1293) (-)

Ion 77.00 (76.70 to 77.70): VU027906.D (-1293) (-)

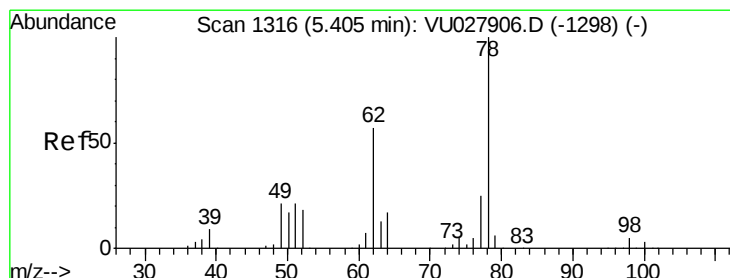
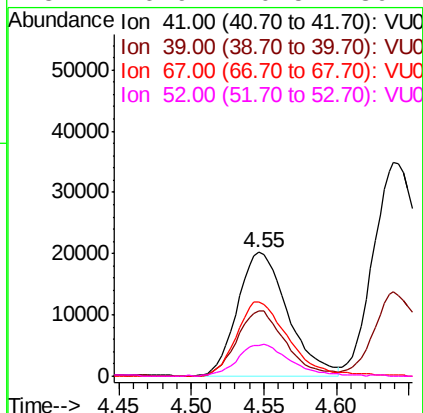
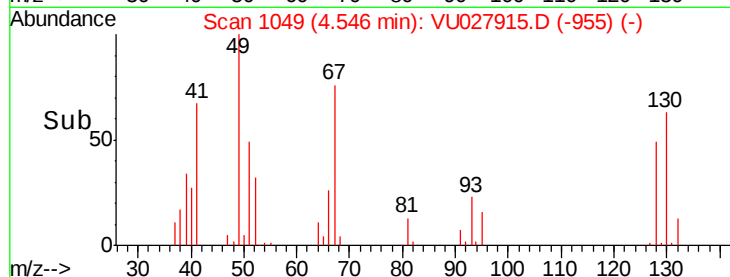
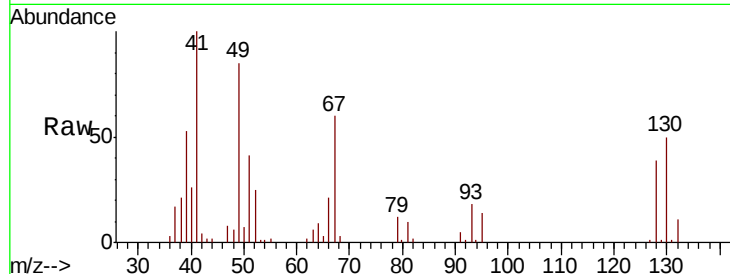




#41
Methacrylonitrile
Concen: 21.566 ug/l
RT: 4.55 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VU027915.D
Acq: 02 Nov 2018 10:56

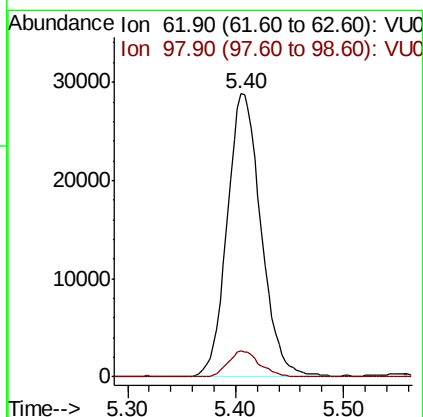
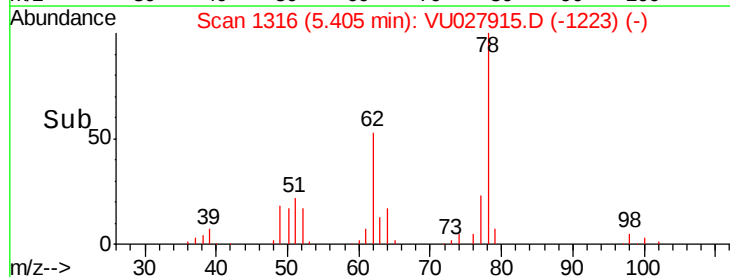
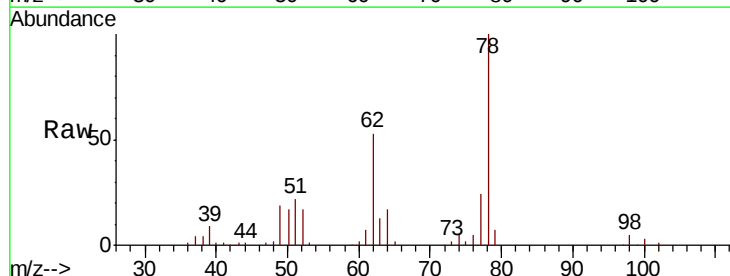
Instrument :
MSVOA_U
ClientSampleId :
VU1102WBS01

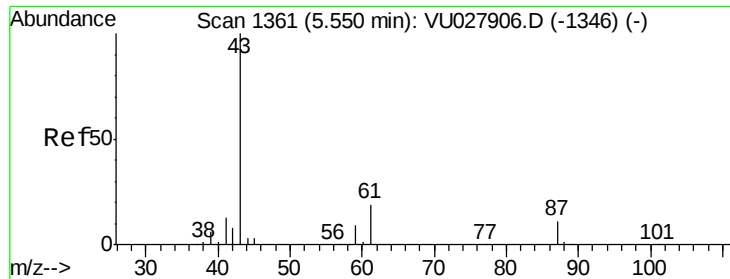
Tot Ion: 41 Resp: 49053
Ion Ratio Lower Upper
41 100
39 51.1 42.2 63.4
67 61.2 49.5 74.3
52 26.9 20.5 30.7



#42
1,2-Dichloroethane
Concen: 19.970 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VU027915.D
Acq: 02 Nov 2018 10:56

Tgt Ion: 62 Resp: 63129
Ion Ratio Lower Upper
62 100
98 8.5 0.0 17.2





#43

Isopropyl Acetate

Concen: 20.334 ug/l

RT: 5.55 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VU027915.D

Acq: 02 Nov 2018 10:56

Instrument :

MSVOA_U

ClientSampleId :

VU1102WBS01

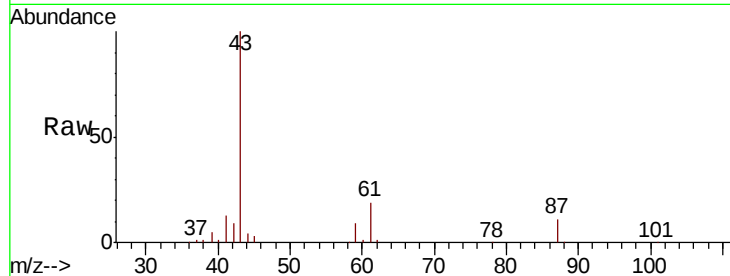
Tot Ion: 43 Resp: 135776

Ion Ratio Lower Upper

43 100

61 19.1 15.0 22.4

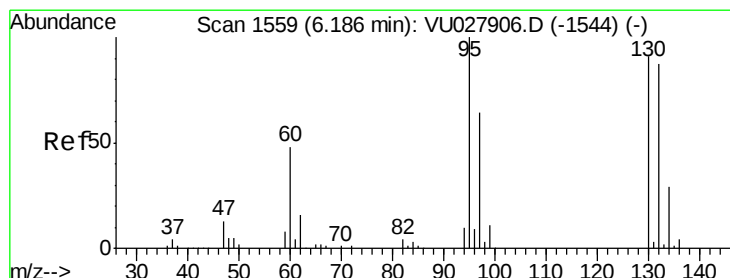
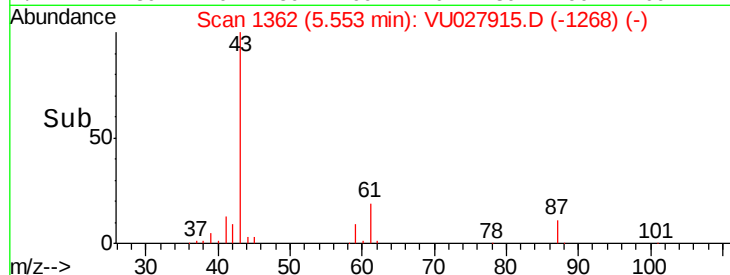
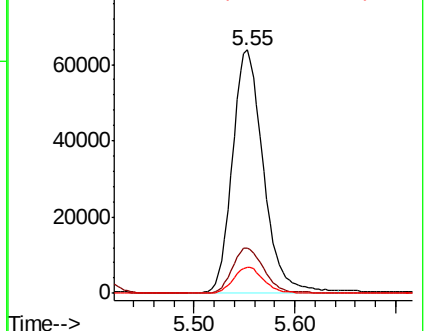
87 10.5 8.6 12.8



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: 18.554 ug/l

RT: 6.19 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VU027915.D

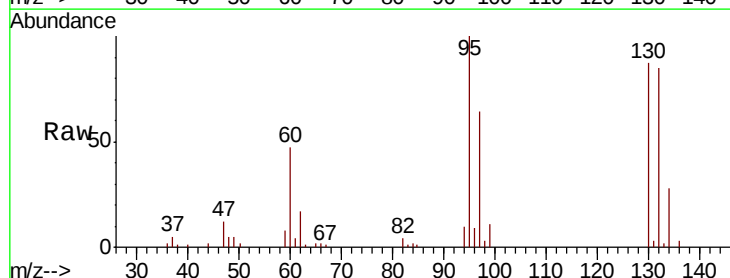
Acq: 02 Nov 2018 10:56

Tgt Ion:130 Resp: 35469

Ion Ratio Lower Upper

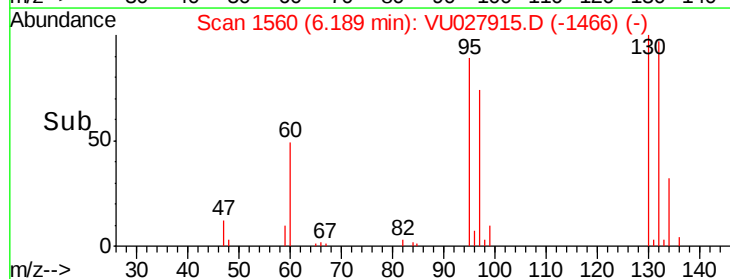
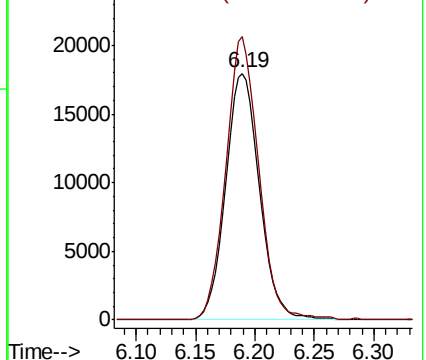
130 100

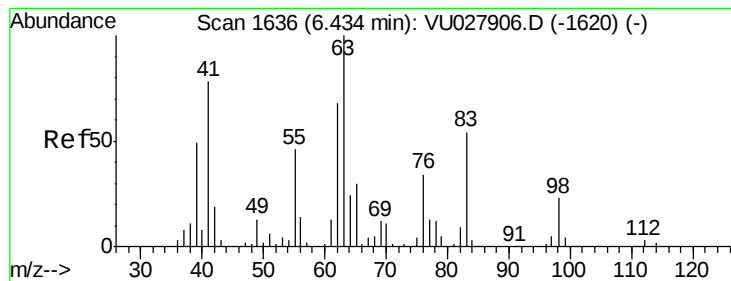
95 114.8 0.0 219.2



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: 19.919 ug/l

RT: 6.43 min Scan# 1636

Delta R.T. -0.00 min

Lab File: VU027915.D

Acq: 02 Nov 2018 10:56

Instrument :

MSVOA_U

ClientSampleId :

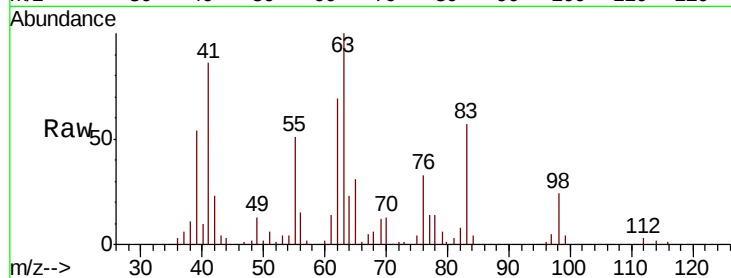
VU1102WBS01

Tot Ion: 63 Resp: 51087

Ion Ratio Lower Upper

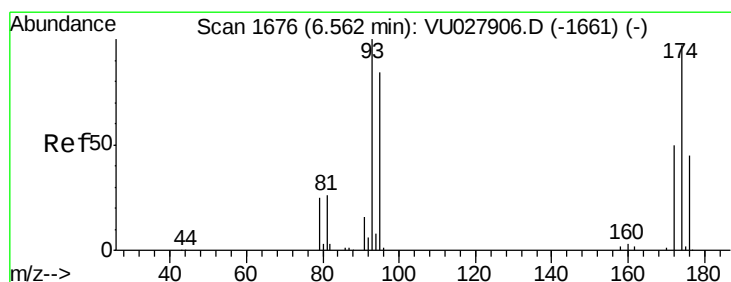
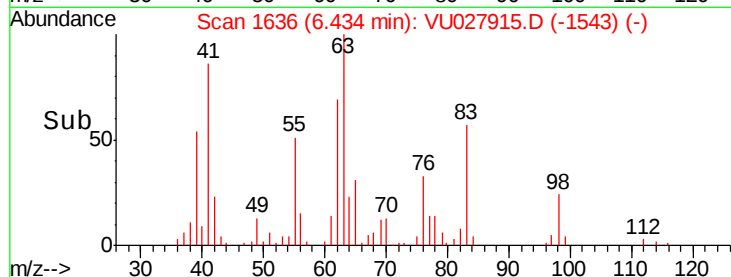
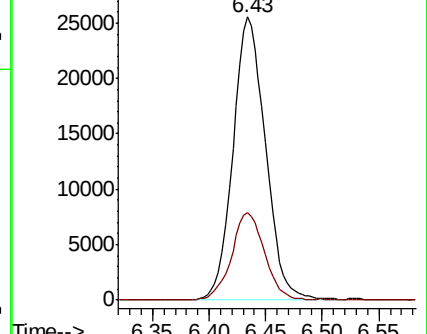
63 100

65 30.8 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 64.90 (64.60 to 65.60): VU0



#46

Dibromomethane

Concen: 20.876 ug/l

RT: 6.56 min Scan# 1676

Delta R.T. -0.00 min

Lab File: VU027915.D

Acq: 02 Nov 2018 10:56

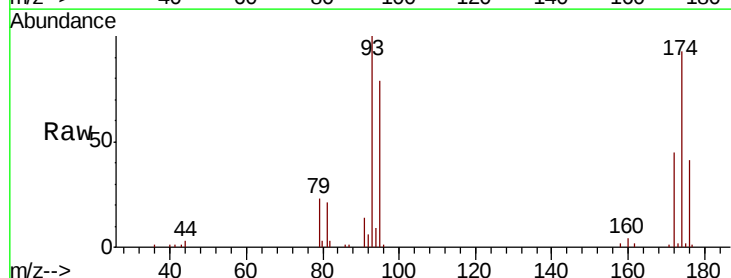
Tgt Ion: 93 Resp: 30776

Ion Ratio Lower Upper

93 100

95 83.8 68.5 102.7

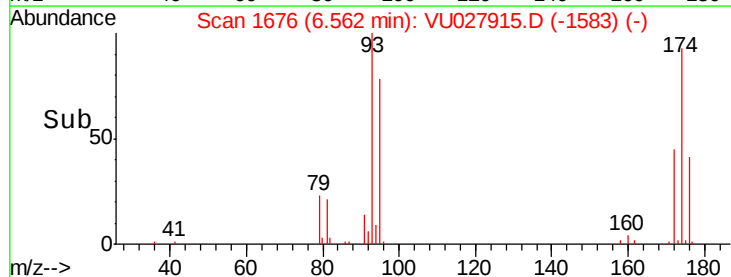
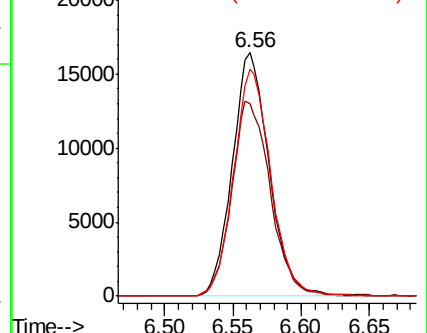
174 94.0 76.1 114.1

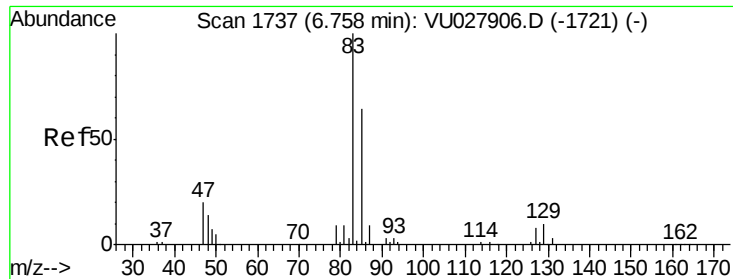


Abundance Ion 92.80 (92.50 to 93.50): VU0

Ion 94.80 (94.50 to 95.50): VU0

Ion 173.70 (173.40 to 174.40): V

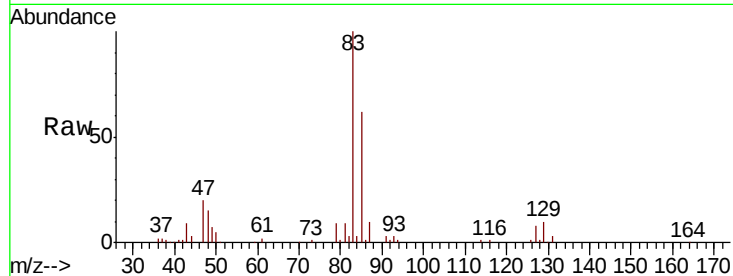




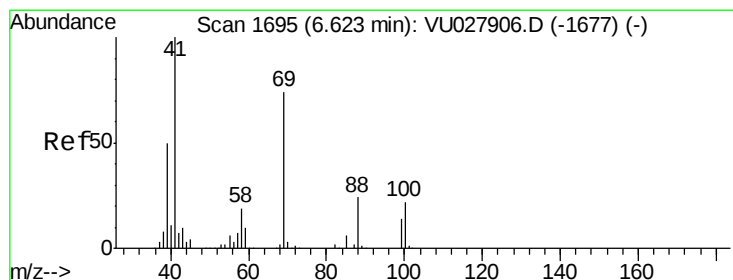
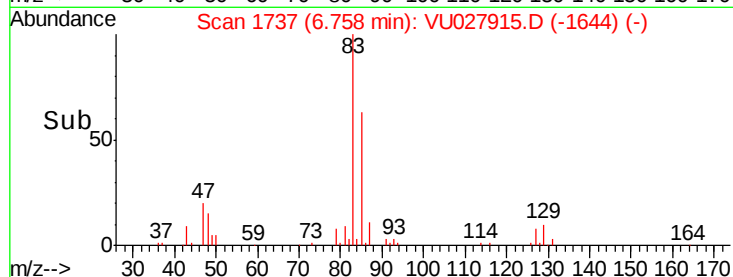
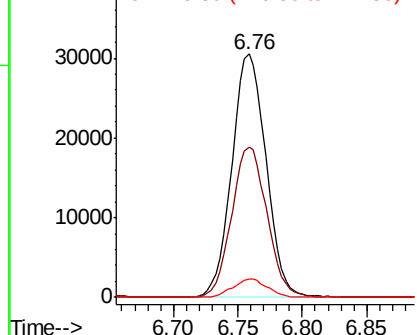
#47
Bromodichloromethane
Concen: 19.817 ug/l
RT: 6.76 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VU027915.D
Acq: 02 Nov 2018 10:56

Instrument :
MSVOA_U
ClientSampleId :
VU1102WBS01

Tot Ion: 83 Resp: 56302
Ion Ratio Lower Upper
83 100
85 61.9 51.0 76.6
127 7.8 6.2 9.4

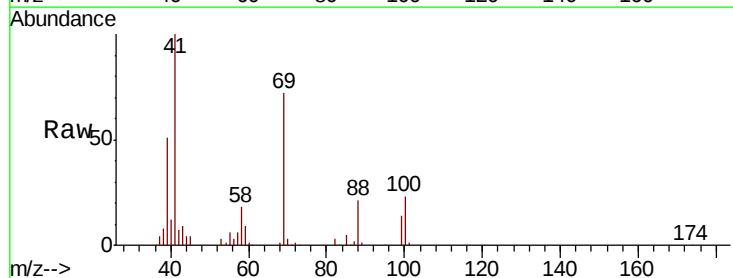


Abundance Ion 82.90 (82.60 to 83.60): VU0
Ion 84.90 (84.60 to 85.60): VU0
Ion 126.80 (126.50 to 127.50): V

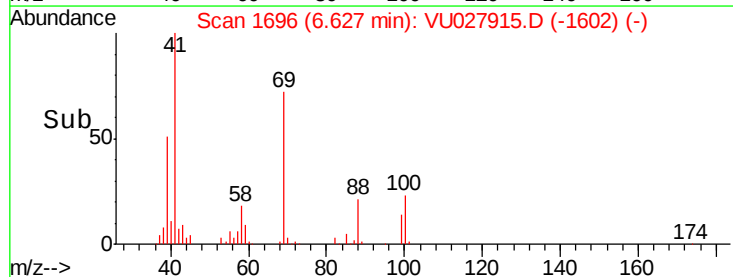
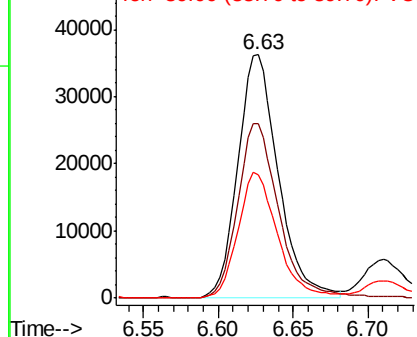


#48
Methyl methacrylate
Concen: 20.910 ug/l
RT: 6.63 min Scan# 1696
Delta R.T. 0.00 min
Lab File: VU027915.D
Acq: 02 Nov 2018 10:56

Tgt Ion: 41 Resp: 68421
Ion Ratio Lower Upper
41 100
69 72.7 59.8 89.8
39 50.7 40.0 60.0



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

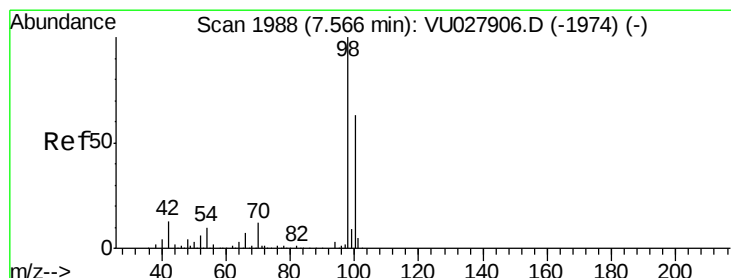
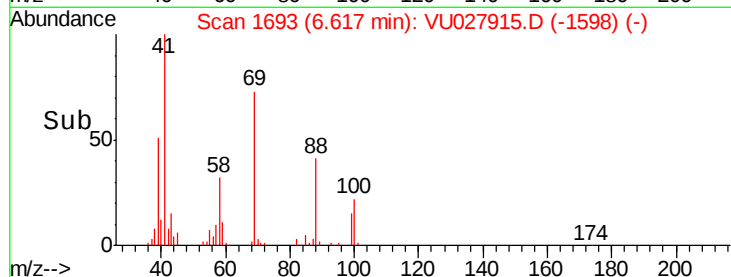
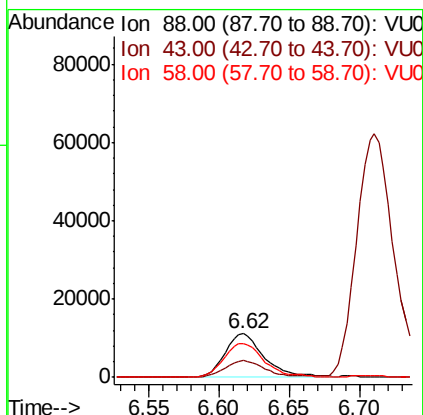
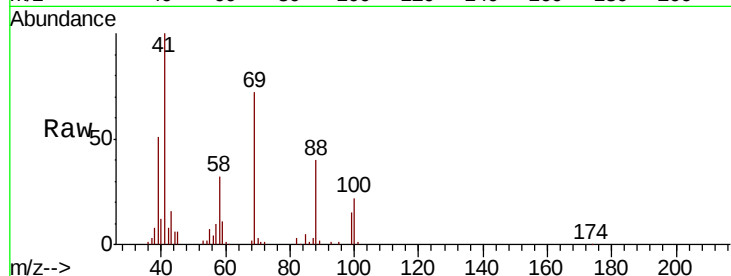




#49
1,4-Dioxane
Concen: 410.766 ug/l
RT: 6.62 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VU027915.D
Acq: 02 Nov 2018 10:56

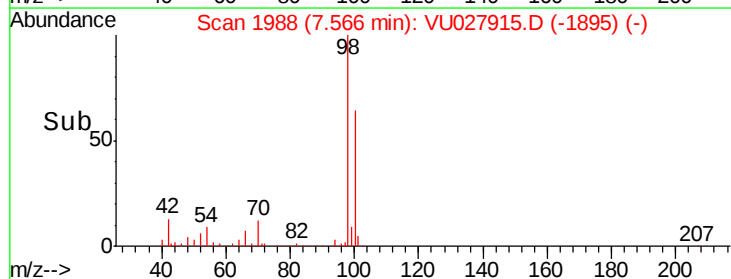
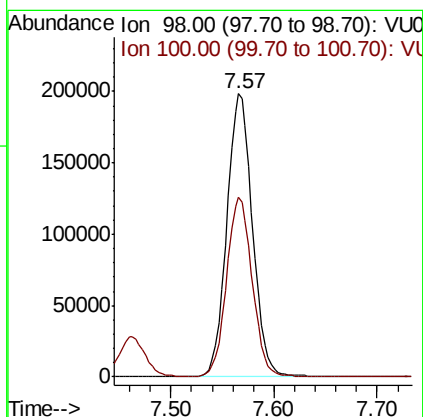
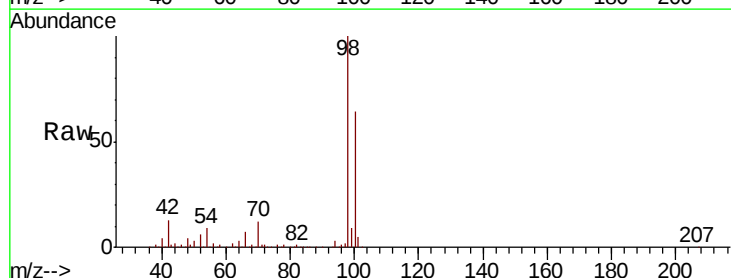
Instrument :
MSVOA_U
ClientSampleId :
VU1102WBS01

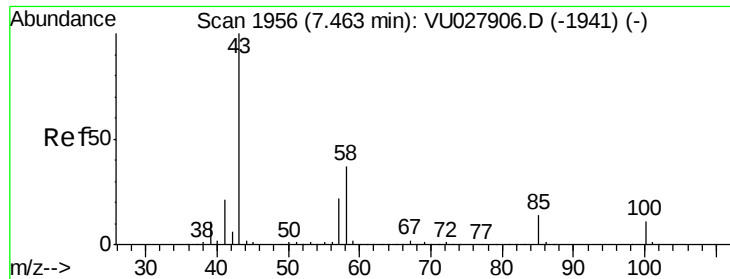
Tot Ion: 88 Resp: 21929
Ion Ratio Lower Upper
88 100
43 38.7 30.5 45.7
58 79.9 67.1 100.7



#50
Toluene-d8
Concen: 50.810 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VU027915.D
Acq: 02 Nov 2018 10:56

Tgt Ion: 98 Resp: 343706
Ion Ratio Lower Upper
98 100
100 62.8 50.1 75.1





#51

4-Methyl-2-Pentanone

Concen: 100.752 ug/l

RT: 7.46 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VU027915.D

Acq: 02 Nov 2018 10:56

Instrument :

MSVOA_U

ClientSampleId :

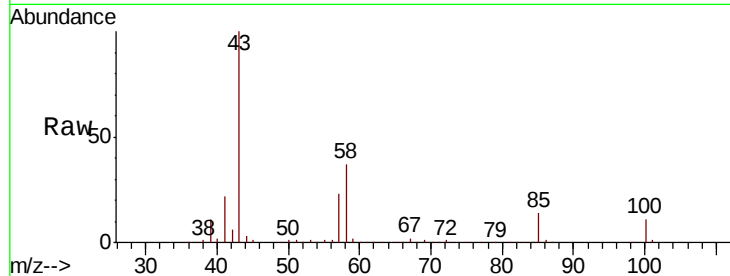
VU1102WBS01

Tot Ion: 43 Resp: 449285

Ion Ratio Lower Upper

43 100

58 37.2 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

250000

200000

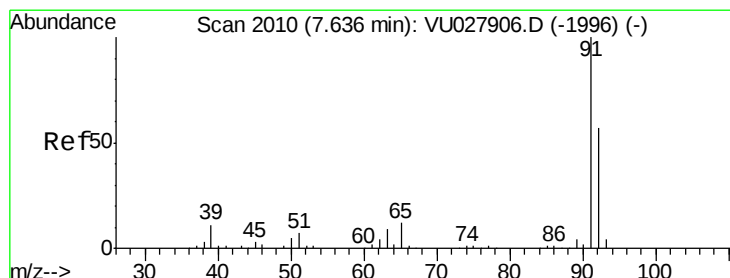
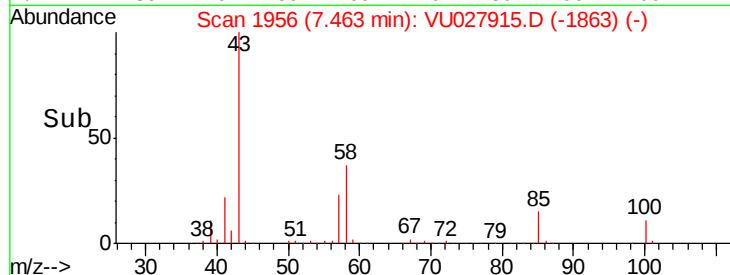
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 19.416 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU027915.D

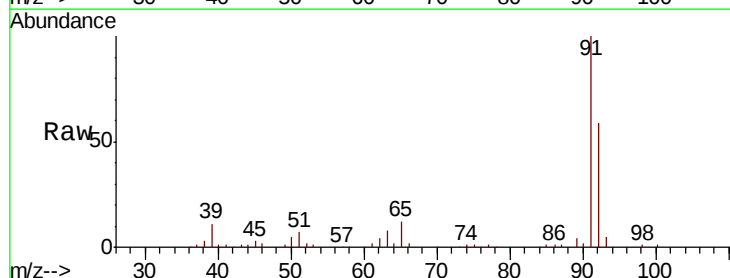
Acq: 02 Nov 2018 10:56

Tgt Ion: 92 Resp: 101512

Ion Ratio Lower Upper

92 100

91 171.3 141.2 211.8



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

120000

100000

80000

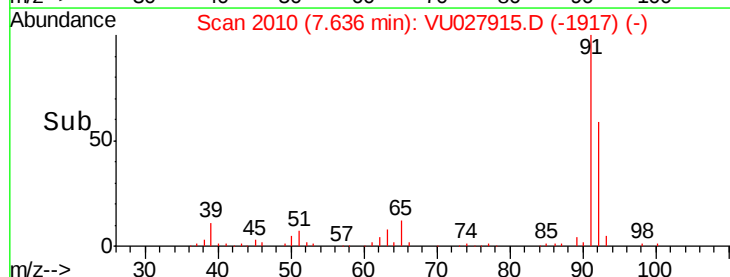
60000

40000

20000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.287 ug/l

RT: 7.88 min Scan# 2086

Delta R.T. 0.00 min

Lab File: VU027915.D

Acq: 02 Nov 2018 10:56

Instrument :

MSVOA_U

ClientSampleId :

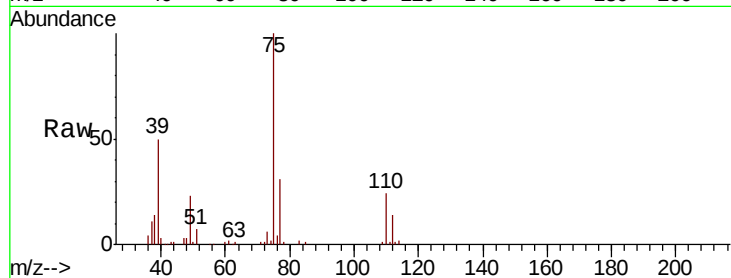
VU1102WBS01

Tot Ion: 75 Resp: 65478

Ion Ratio Lower Upper

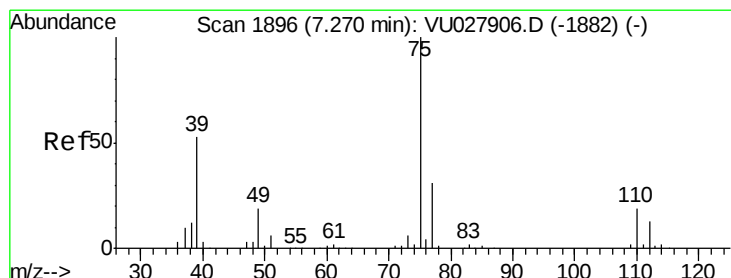
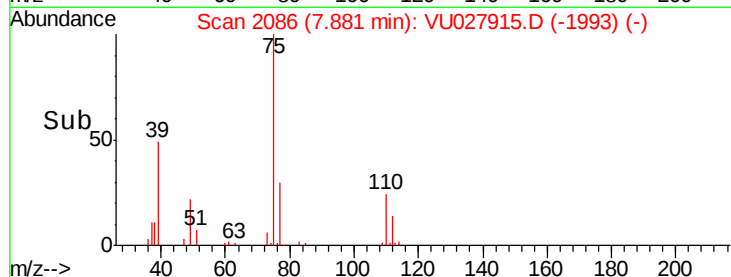
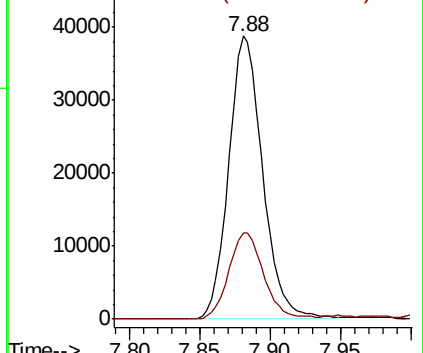
75 100

77 30.7 25.1 37.7



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0



#54

cis-1,3-Dichloropropene

Concen: 20.538 ug/l

RT: 7.27 min Scan# 1896

Delta R.T. -0.00 min

Lab File: VU027915.D

Acq: 02 Nov 2018 10:56

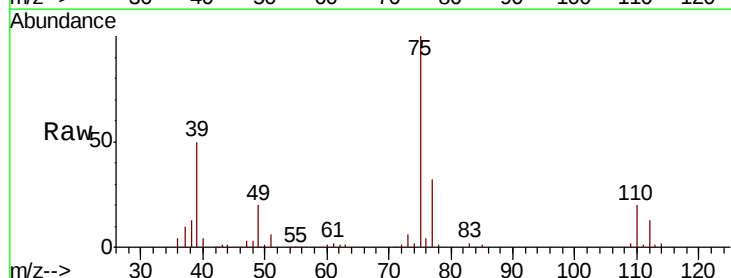
Tgt Ion: 75 Resp: 71929

Ion Ratio Lower Upper

75 100

77 31.9 24.6 37.0

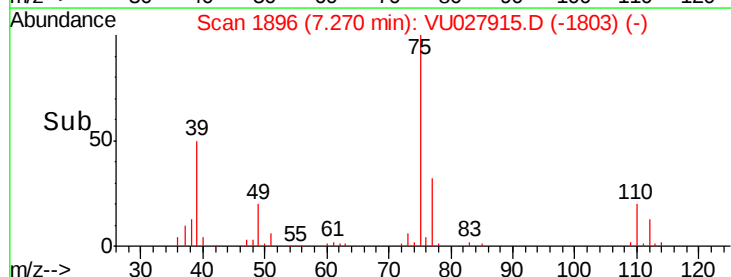
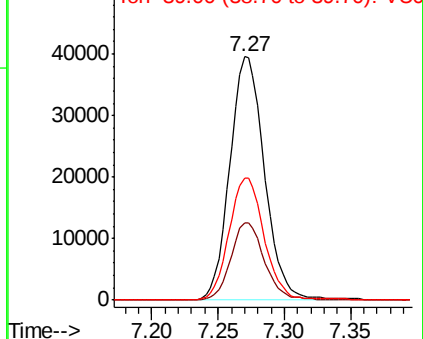
39 49.9 42.6 64.0

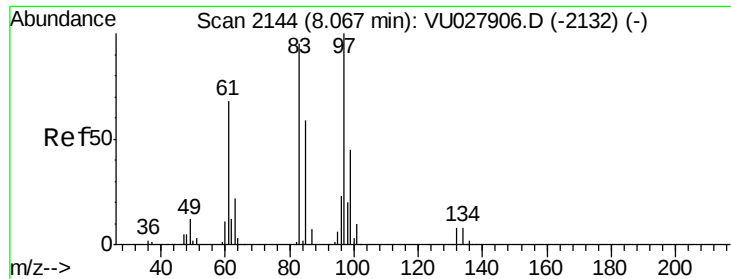


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0

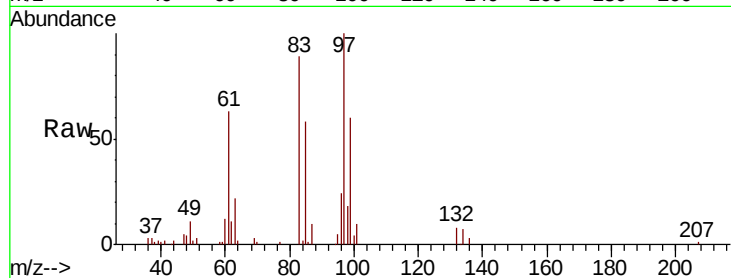




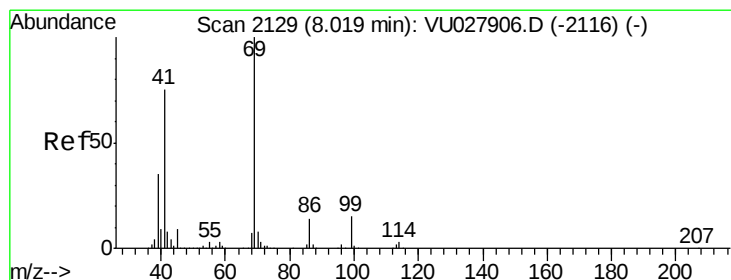
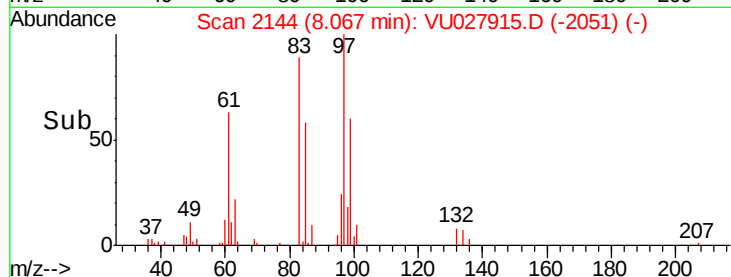
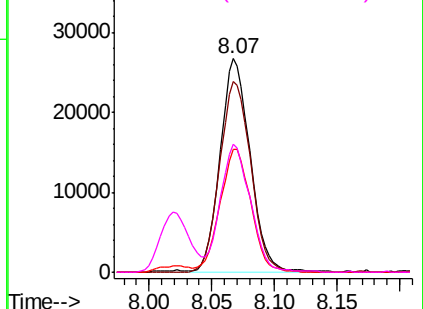
#55
 1,1,2-Trichloroethane
 Concen: 20.849 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. -0.00 min
 Lab File: VU027915.D
 Acq: 02 Nov 2018 10:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1102WBS01

Tot Ion: 97 Resp: 44347
 Ion Ratio Lower Upper
 97 100
 83 89.3 76.1 114.1
 85 57.5 48.9 73.3
 99 59.8 52.0 78.0

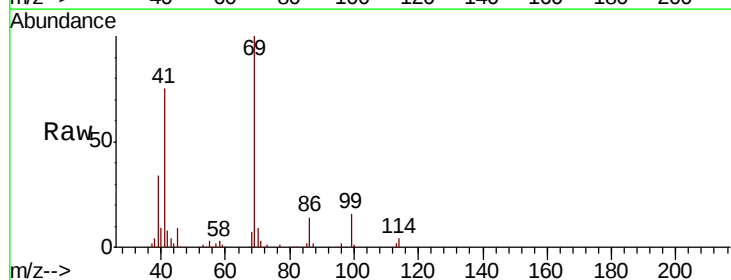


Abundance Ion 96.90 (96.60 to 97.60): VU0
 Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 98.90 (98.60 to 99.60): VU0

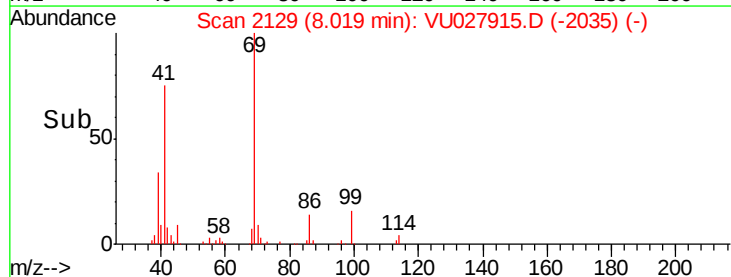
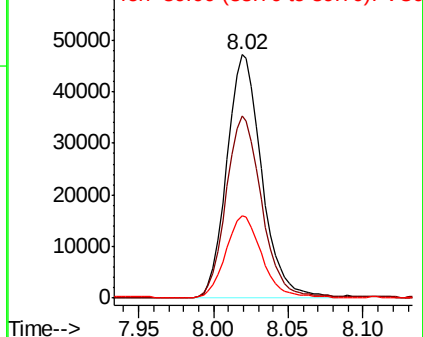


#56
 Ethyl methacrylate
 Concen: 20.487 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU027915.D
 Acq: 02 Nov 2018 10:56

Tgt Ion: 69 Resp: 76851
 Ion Ratio Lower Upper
 69 100
 41 77.3 59.8 89.6
 39 35.7 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

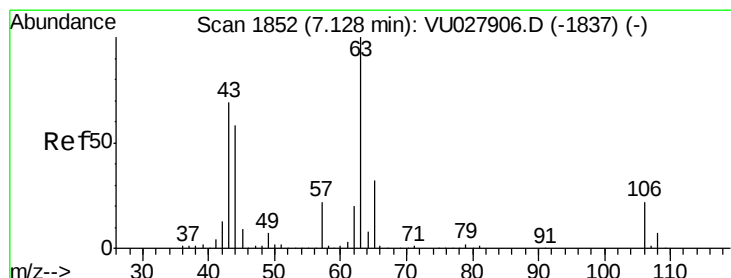
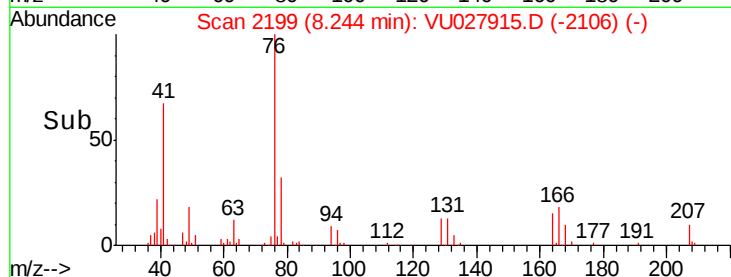
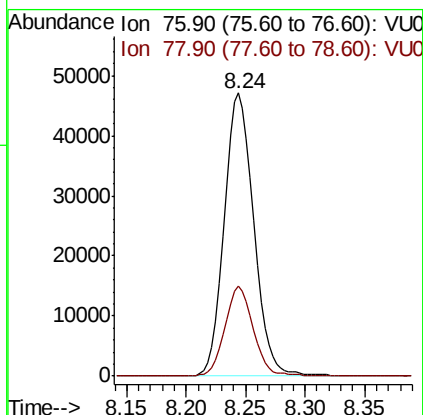
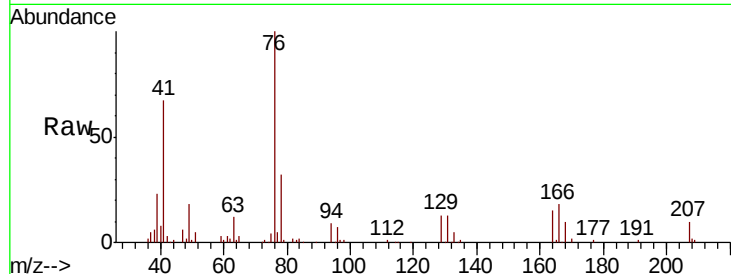




#57
 1,3-Dichloropropane
 Concen: 20.937 ug/l
 RT: 8.24 min Scan# 2199
 Delta R.T. -0.00 min
 Lab File: VU027915.D
 Acq: 02 Nov 2018 10:56

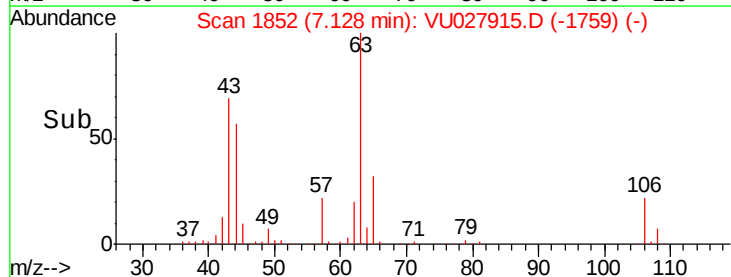
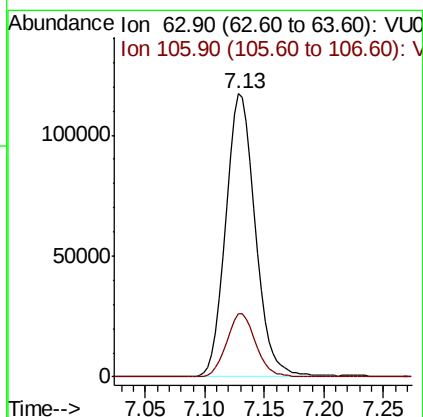
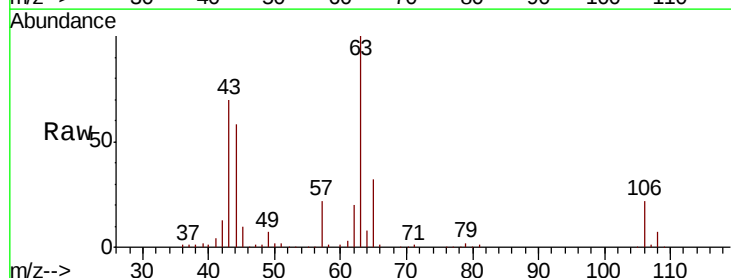
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1102WBS01

Tot Ion: 76 Resp: 81126
 Ion Ratio Lower Upper
 76 100
 78 30.4 25.3 37.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 100.781 ug/l
 RT: 7.13 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VU027915.D
 Acq: 02 Nov 2018 10:56

Tgt Ion: 63 Resp: 202471
 Ion Ratio Lower Upper
 63 100
 106 22.2 17.8 26.6

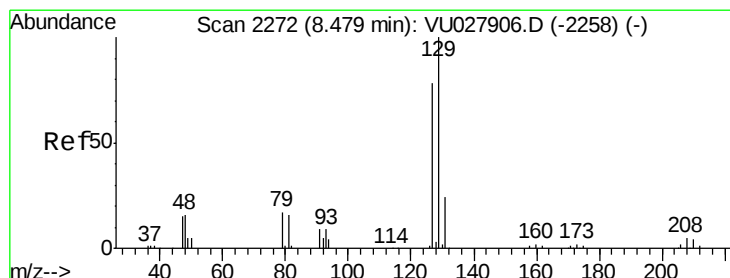
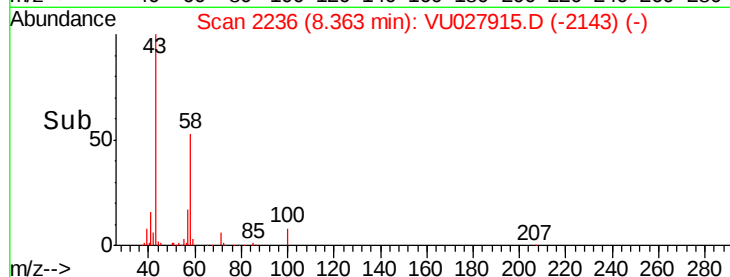
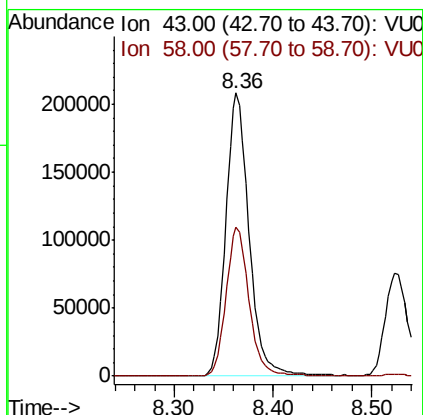
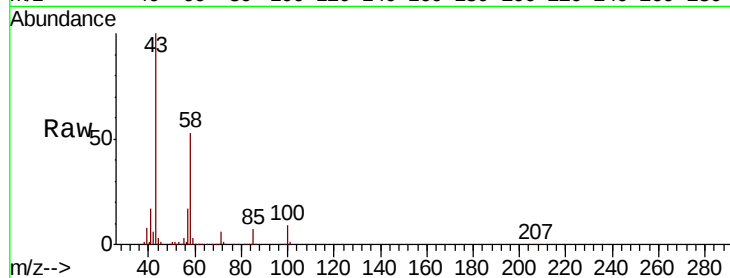




#59
2-Hexanone
Concen: 99.822 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. -0.00 min
Lab File: VU027915.D
Acq: 02 Nov 2018 10:56

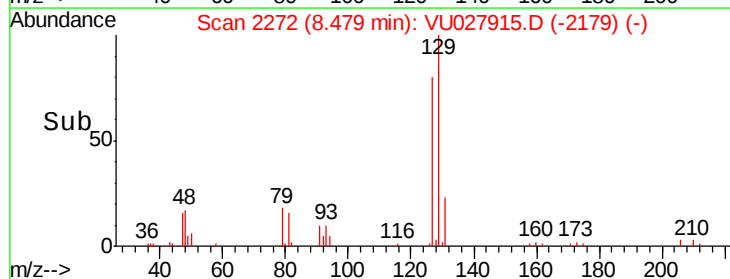
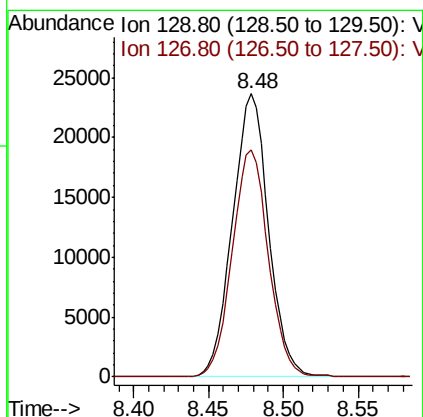
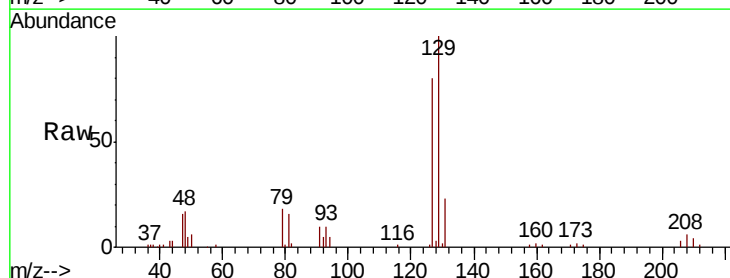
Instrument :
MSVOA_U
ClientSampleId :
VU1102WBS01

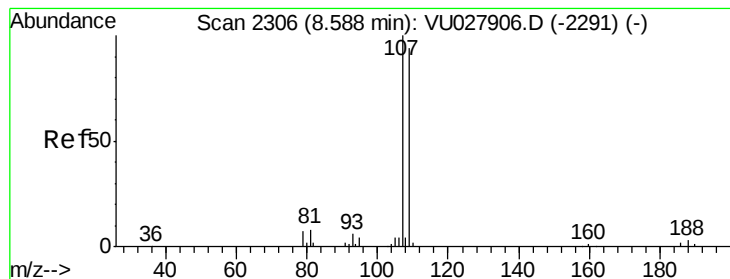
Tot Ion: 43 Resp: 344285
Ion Ratio Lower Upper
43 100
58 52.5 25.8 77.3



#60
Dibromochloromethane
Concen: 19.725 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VU027915.D
Acq: 02 Nov 2018 10:56

Tgt Ion: 129 Resp: 39702
Ion Ratio Lower Upper
129 100
127 80.5 39.2 117.6





#61

1,2-Dibromoethane

Concen: 20.465 ug/l

RT: 8.59 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VU027915.D

Acq: 02 Nov 2018 10:56

Instrument :

MSVOA_U

ClientSampleId :

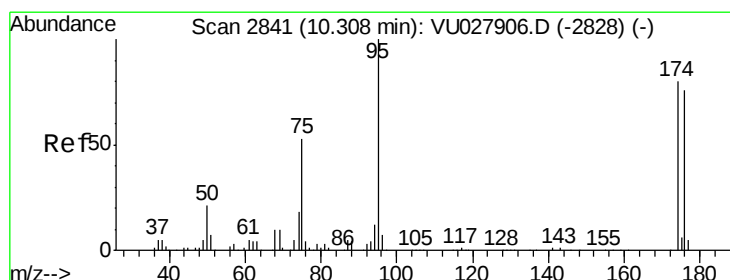
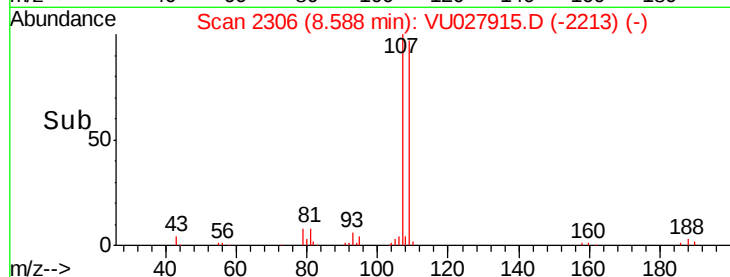
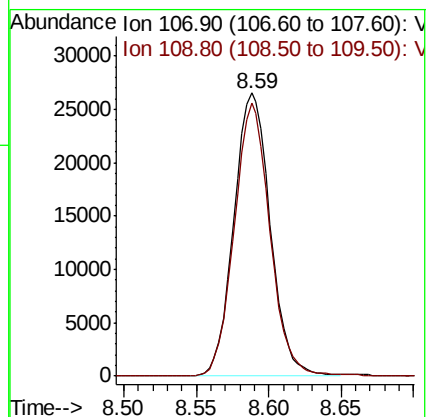
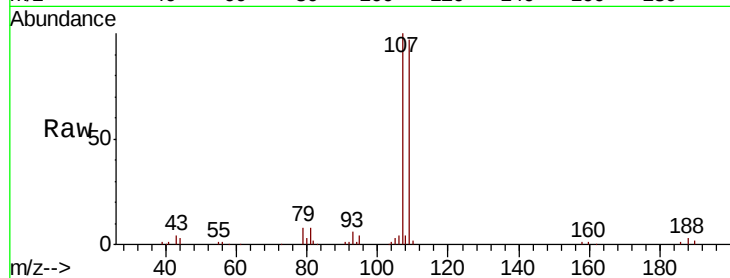
VU1102WBS01

Tot Ion: 107 Resp: 46254

Ion Ratio Lower Upper

107 100

109 94.3 73.8 110.8



#62

4-Bromofluorobenzene

Concen: 50.321 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.00 min

Lab File: VU027915.D

Acq: 02 Nov 2018 10:56

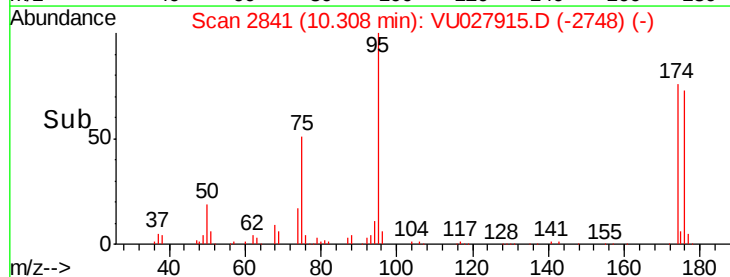
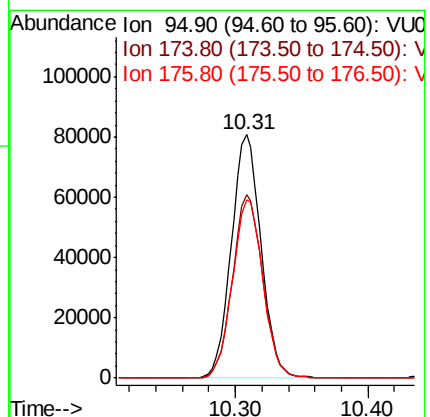
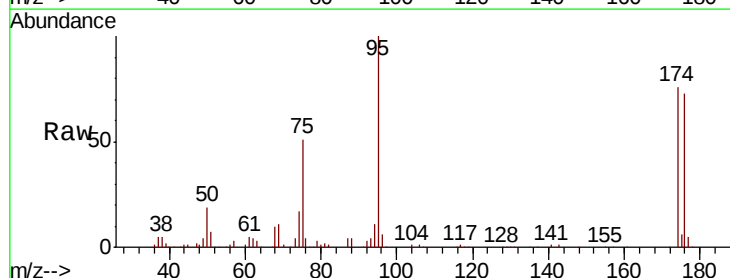
Tgt Ion: 95 Resp: 125554

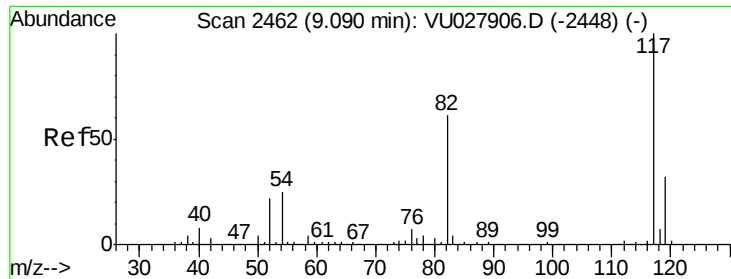
Ion Ratio Lower Upper

95 100

174 76.6 0.0 156.4

176 75.2 0.0 150.8

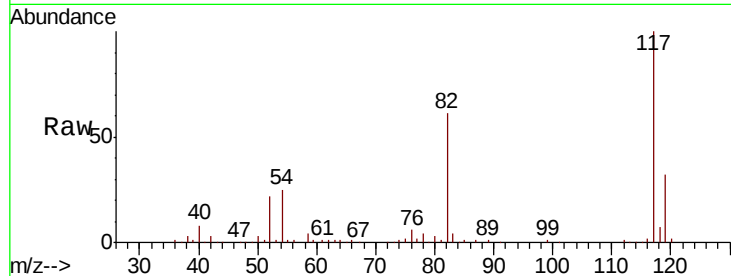




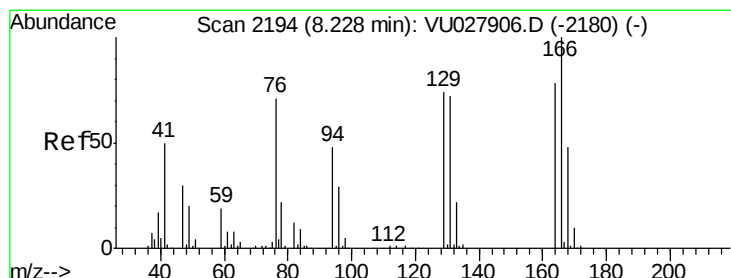
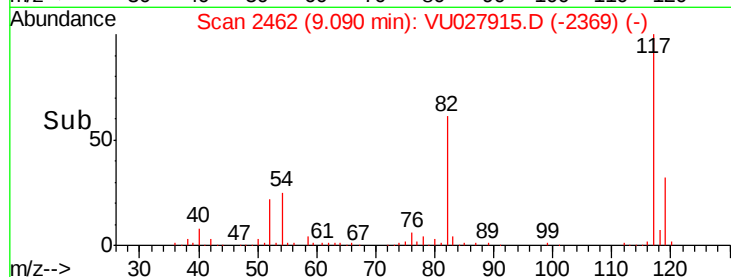
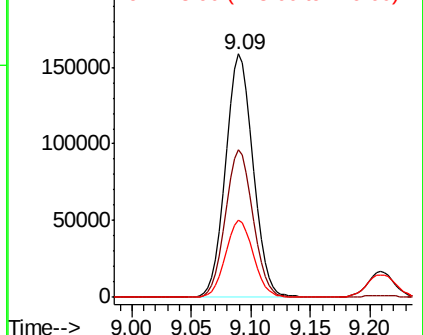
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU027915.D
Acq: 02 Nov 2018 10:56

Instrument :
MSVOA_U
ClientSampleId :
VU1102WBS01

Tot Ion:117 Resp: 254885
Ion Ratio Lower Upper
117 100
82 60.7 48.6 73.0
119 31.6 25.8 38.8

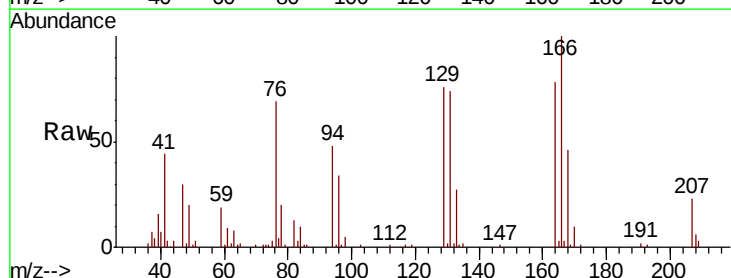


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

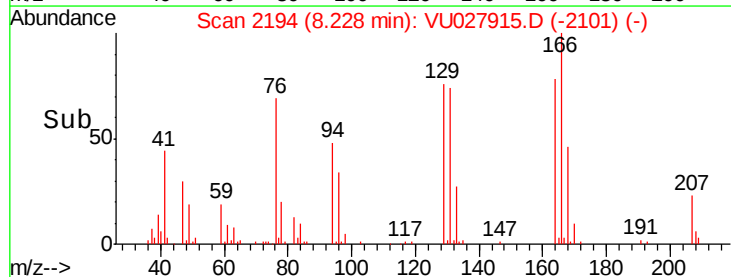
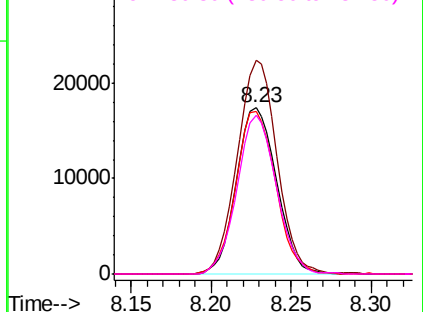


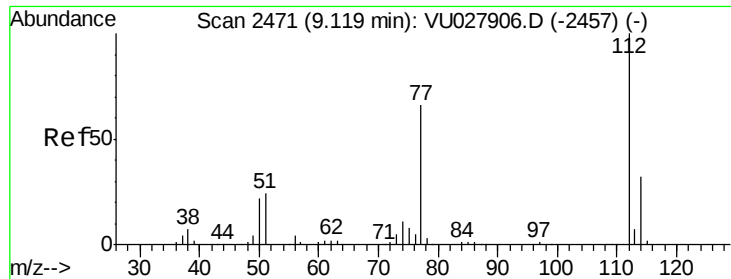
#64
Tetrachloroethene
Concen: 17.998 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU027915.D
Acq: 02 Nov 2018 10:56

Tgt Ion:164 Resp: 29746
Ion Ratio Lower Upper
164 100
166 128.7 102.1 153.1
129 97.9 75.9 113.9
131 95.3 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

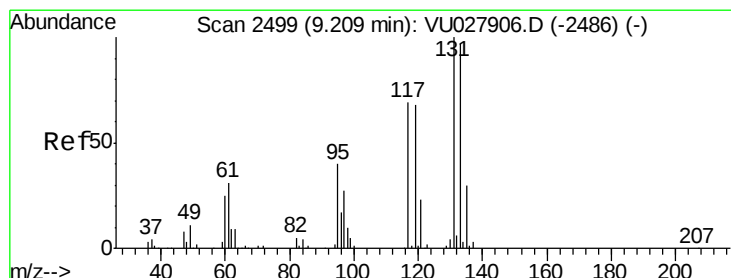
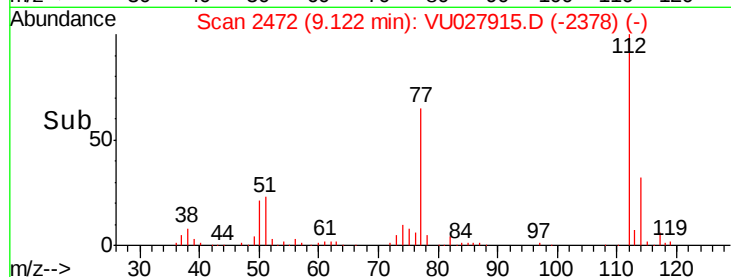
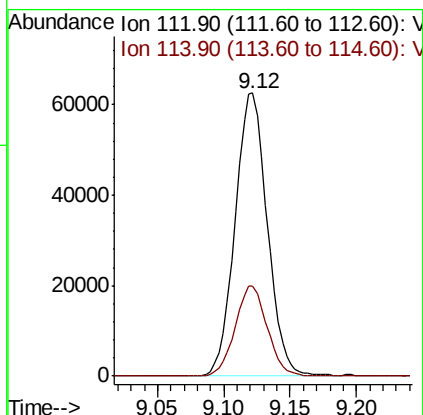
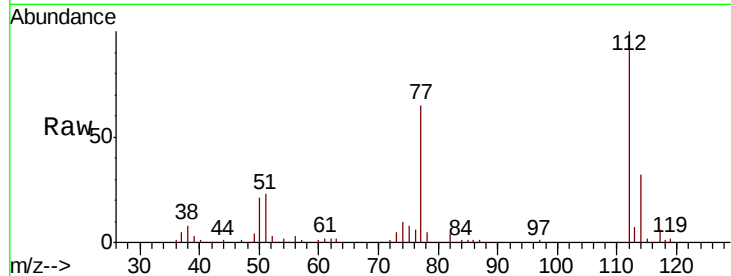




#65
Chlorobenzene
Concen: 19.662 ug/l
RT: 9.12 min Scan# 2472
Delta R.T. 0.00 min
Lab File: VU027915.D
Acq: 02 Nov 2018 10:56

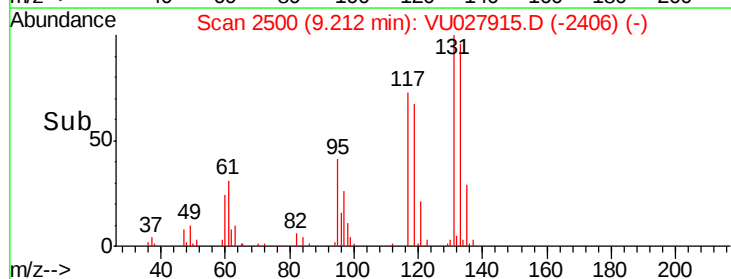
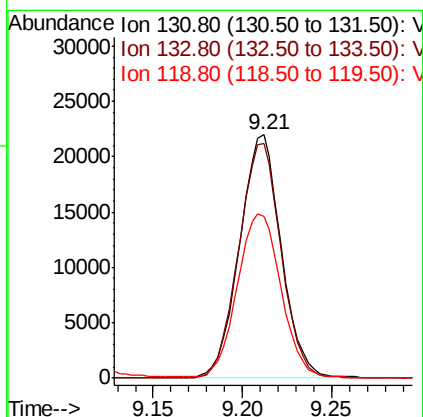
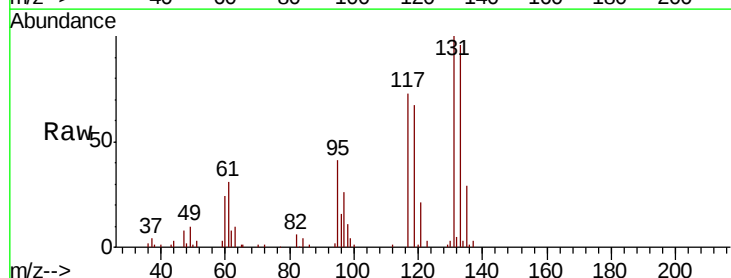
Instrument :
MSVOA_U
ClientSampleId :
VU1102WBS01

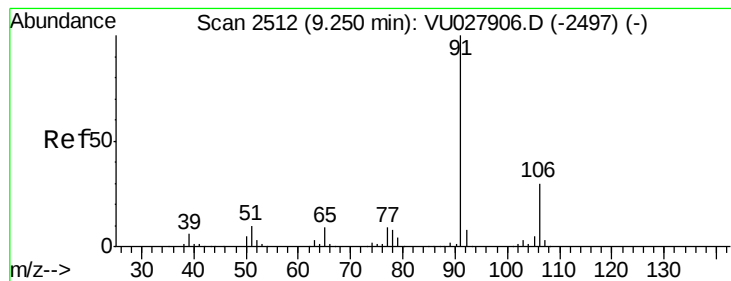
Tot Ion:112 Resp: 105882
Ion Ratio Lower Upper
112 100
114 31.8 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 19.498 ug/l
RT: 9.21 min Scan# 2500
Delta R.T. 0.00 min
Lab File: VU027915.D
Acq: 02 Nov 2018 10:56

Tgt Ion:131 Resp: 35864
Ion Ratio Lower Upper
131 100
133 97.7 48.1 144.4
119 71.1 34.0 101.8





#67

Ethyl Benzene

Concen: 18.988 ug/l

RT: 9.25 min Scan# 2512

Delta R.T. -0.00 min

Lab File: VU027915.D

Acq: 02 Nov 2018 10:56

Instrument :

MSVOA_U

ClientSampleId :

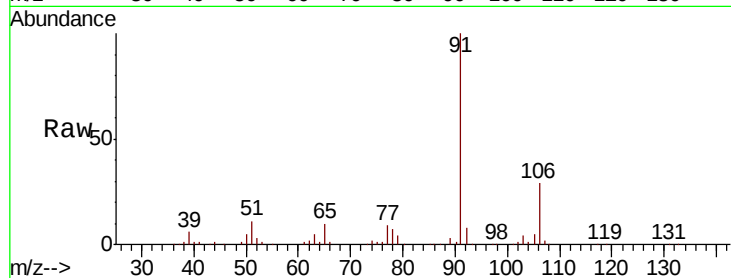
VU1102WBS01

Tot Ion: 91 Resp: 188212

Ion Ratio Lower Upper

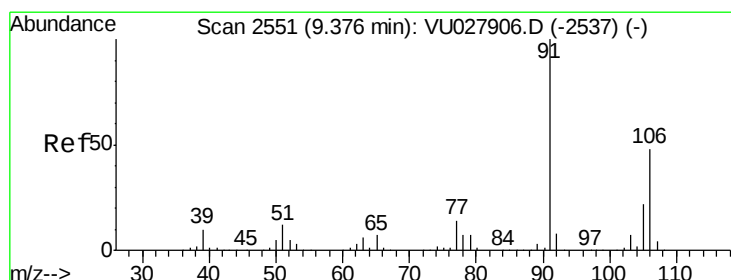
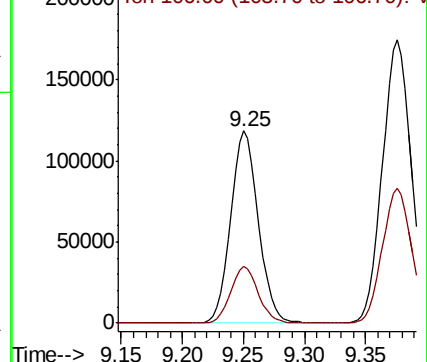
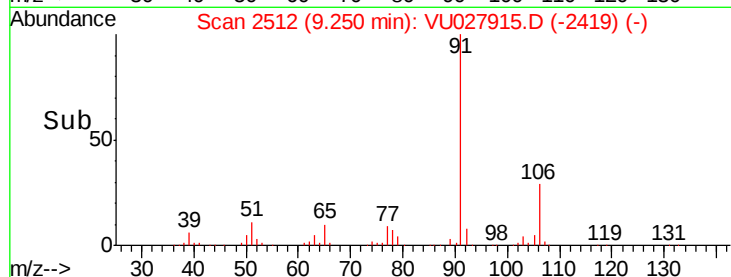
91 100

106 29.4 23.6 35.4



Abundance Ion 91.00 (90.70 to 91.70): VU027915.D (-2419) (-)

Ion 106.00 (105.70 to 106.70): VU027915.D (-2419) (-)



#68

m/p-Xylenes

Concen: 38.478 ug/l

RT: 9.38 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VU027915.D

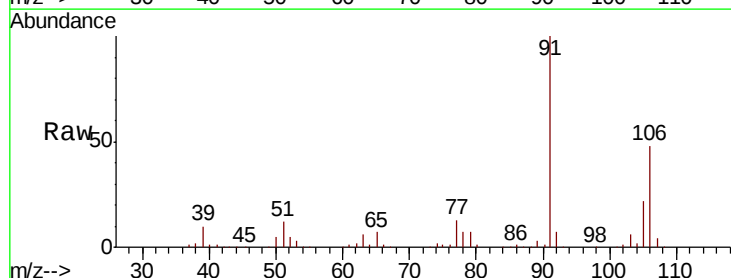
Acq: 02 Nov 2018 10:56

Tgt Ion: 106 Resp: 138385

Ion Ratio Lower Upper

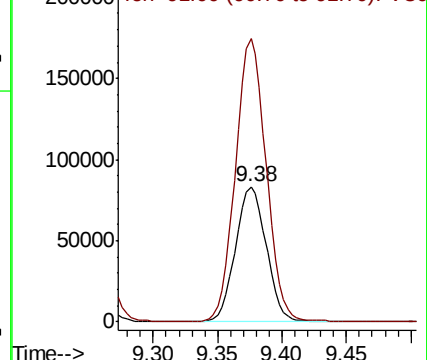
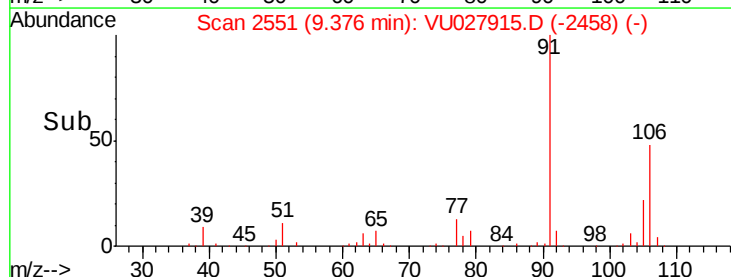
106 100

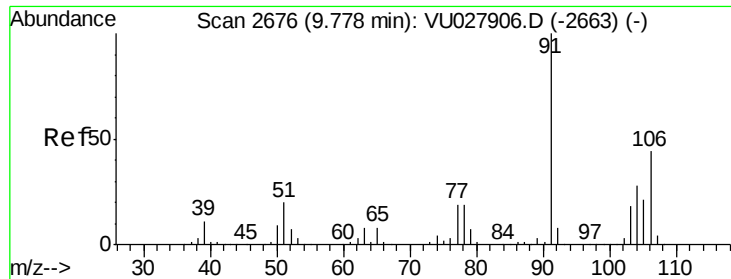
91 207.8 168.2 252.4



Abundance Ion 106.00 (105.70 to 106.70): VU027915.D (-2458) (-)

Ion 91.00 (90.70 to 91.70): VU027915.D (-2458) (-)

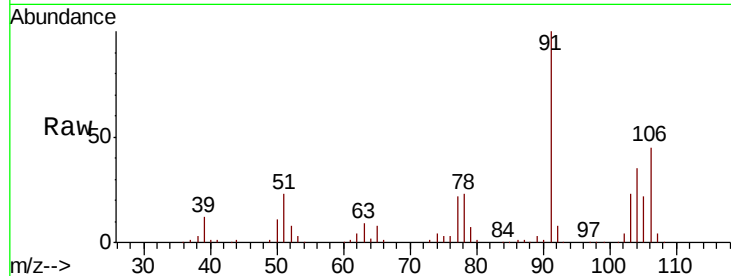




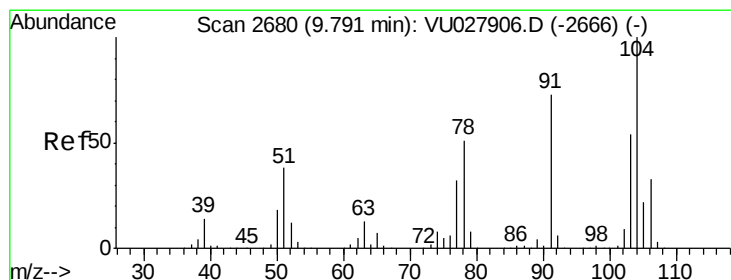
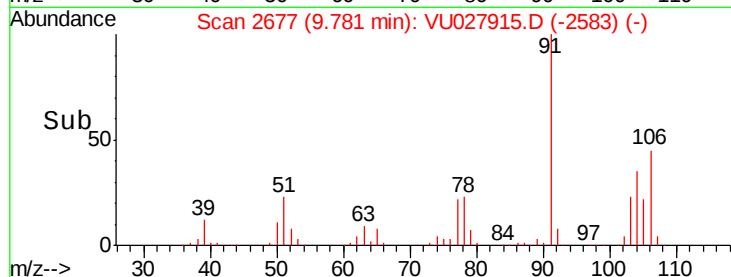
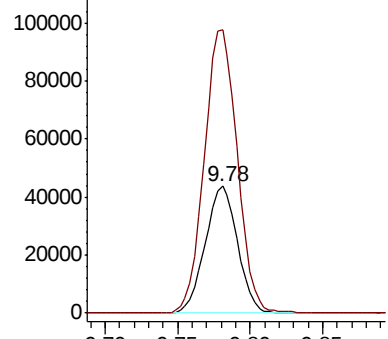
#69
o-Xylene
Concen: 18.648 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU027915.D
Acq: 02 Nov 2018 10:56

Instrument :
MSVOA_U
ClientSampleId :
VU1102WBS01

Tot Ion:106 Resp: 67724
Ion Ratio Lower Upper
106 100
91 227.1 111.1 333.4

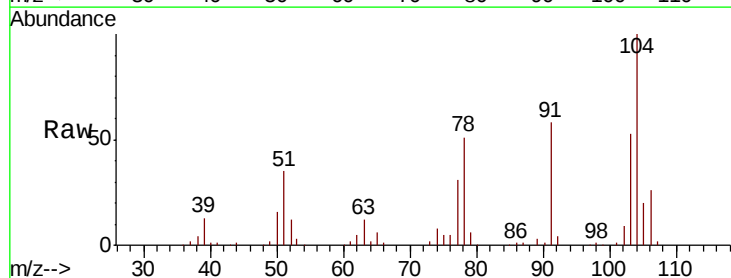


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

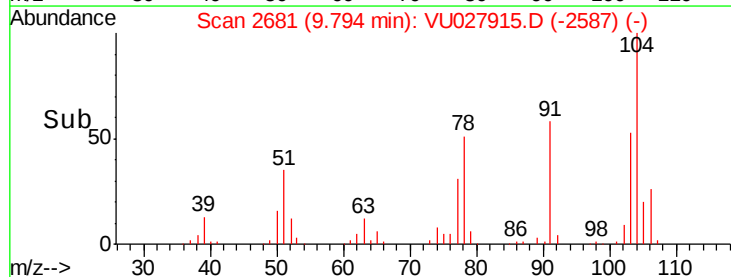
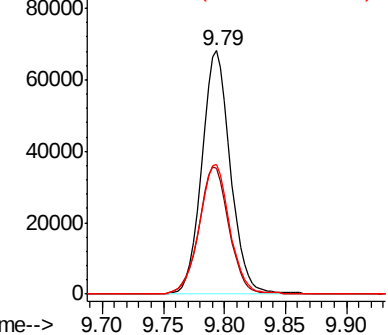


#70
Styrene
Concen: 19.256 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU027915.D
Acq: 02 Nov 2018 10:56

Tgt Ion:104 Resp: 111739
Ion Ratio Lower Upper
104 100
78 55.2 43.0 64.4
103 56.5 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: 19.883 ug/l

RT: 9.96 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU027915.D

Acq: 02 Nov 2018 10:56

Instrument :

MSVOA_U

ClientSampleId :

VU1102WBS01

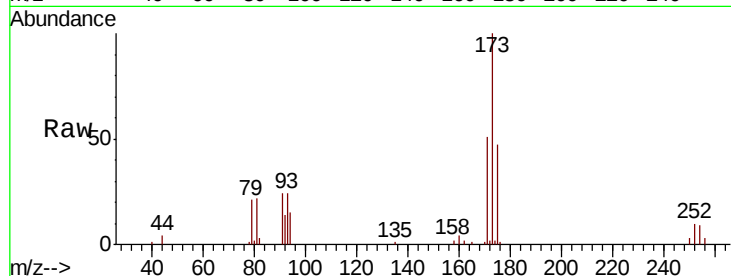
Tot Ion:173 Resp: 30649

Ion Ratio Lower Upper

173 100

175 48.1 24.3 72.8

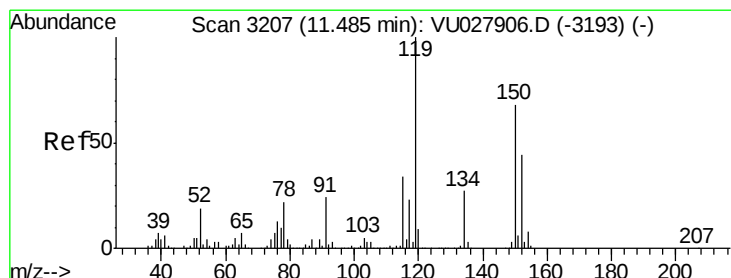
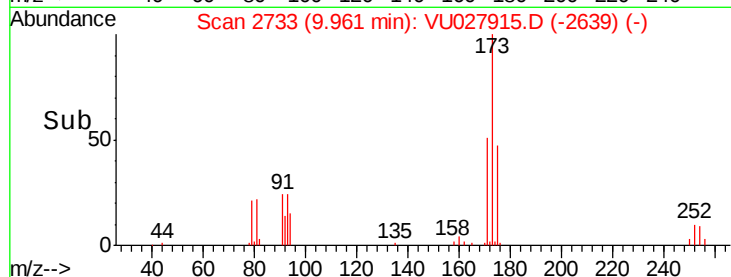
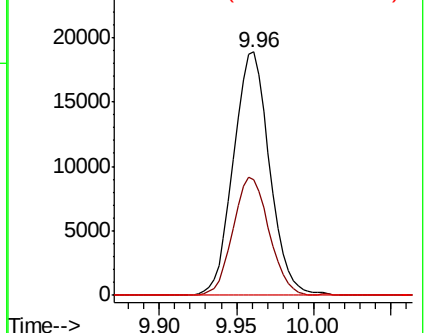
254 0.0 0.0 0.0



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# 3207

Delta R.T. -0.00 min

Lab File: VU027915.D

Acq: 02 Nov 2018 10:56

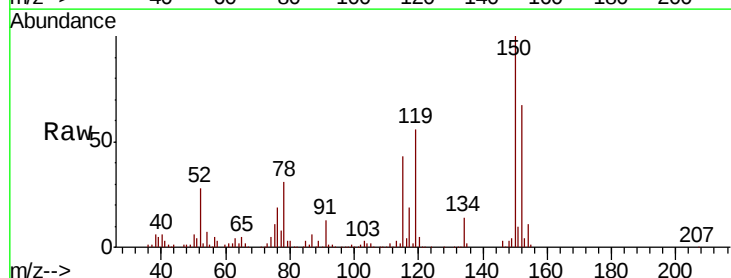
Tgt Ion:152 Resp: 121811

Ion Ratio Lower Upper

152 100

115 67.9 43.0 129.0

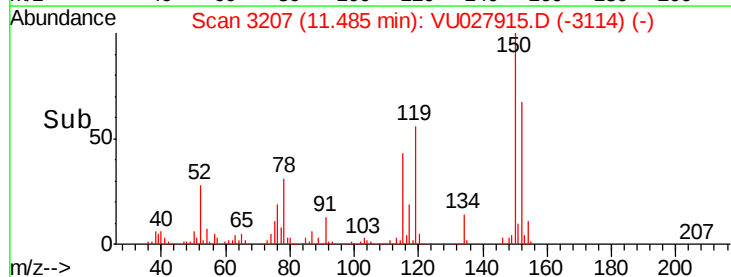
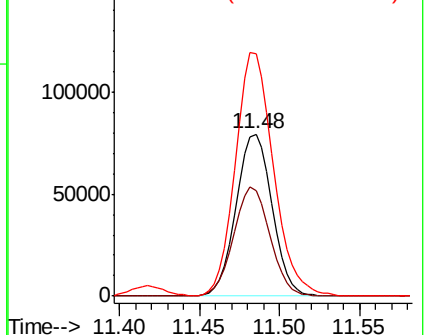
150 158.4 0.0 349.4



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: 19.044 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU027915.D

Acq: 02 Nov 2018 10:56

Instrument :

MSVOA_U

ClientSampleId :

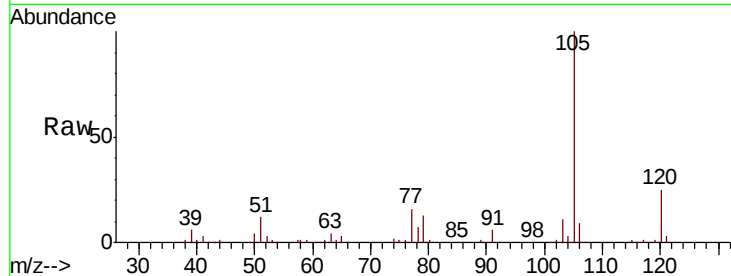
VU1102WBS01

Tot Ion:105 Resp: 179710

Ion Ratio Lower Upper

105 100

120 25.8 12.7 38.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

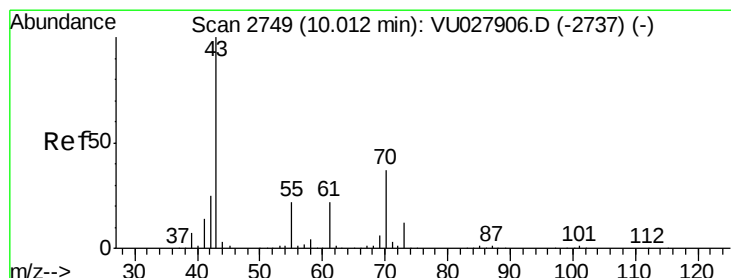
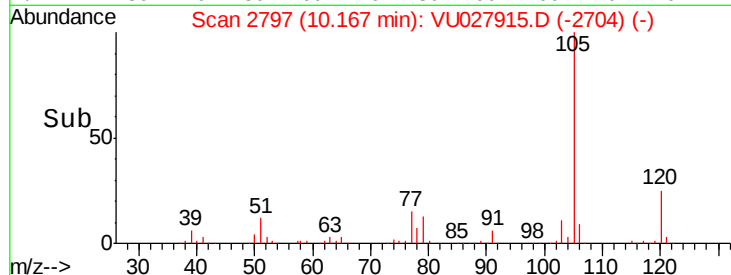
10.17

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 20.761 ug/l

RT: 10.02 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VU027915.D

Acq: 02 Nov 2018 10:56

Tgt Ion: 43 Resp: 118463

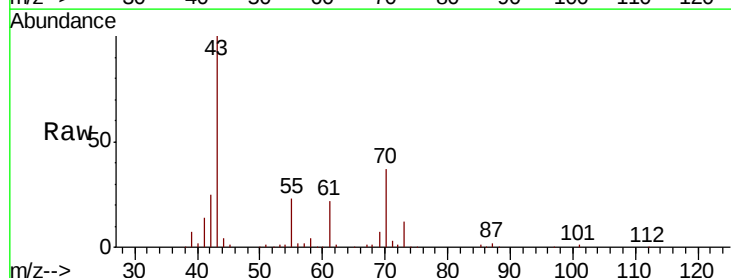
Ion Ratio Lower Upper

43 100

70 36.5 29.2 43.8

55 22.4 17.8 26.6

61 22.4 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

120000

100000

80000

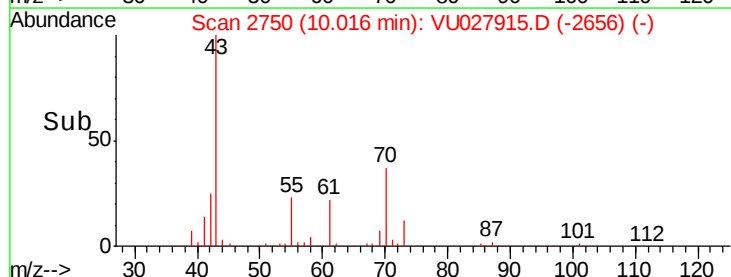
60000

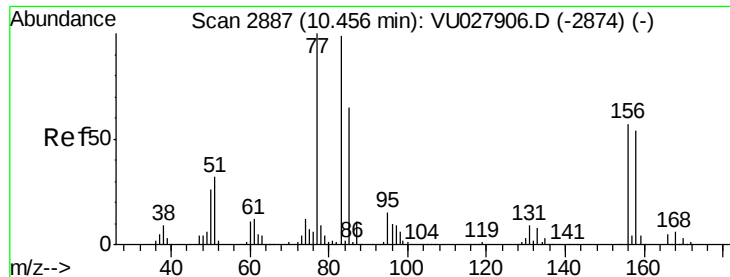
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.474 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU027915.D

Acq: 02 Nov 2018 10:56

Instrument :

MSVOA_U

ClientSampleId :

VU1102WBS01

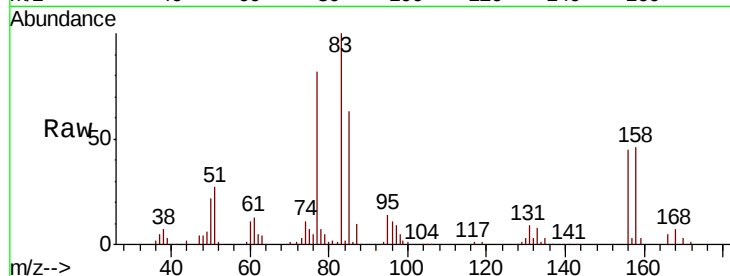
Tot Ion: 83 Resp: 77931

Ion Ratio Lower Upper

83 100

131 8.2 4.3 13.1

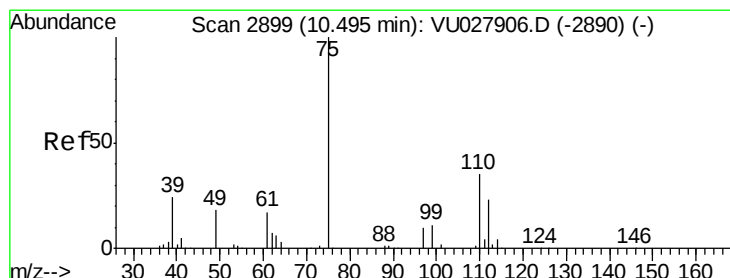
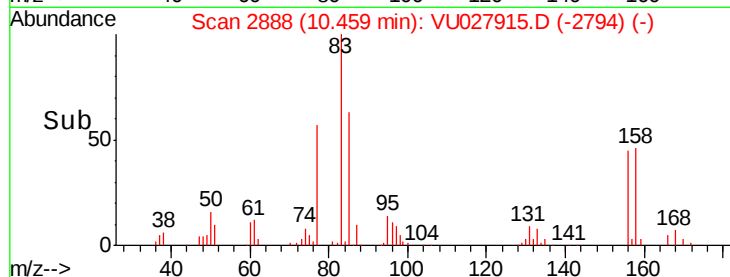
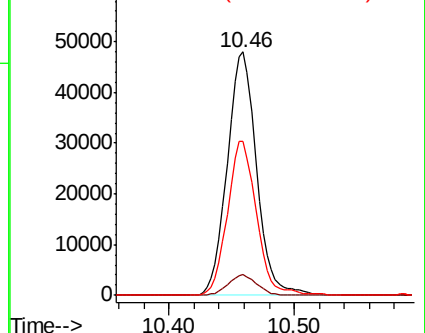
85 63.0 32.4 97.2



Abundance Ion 82.90 (82.60 to 83.60): VU027915.D (-2874) (-)

Ion 130.80 (130.50 to 131.50): VU027915.D (-2874) (-)

Ion 84.90 (84.60 to 85.60): VU027915.D (-2874) (-)



#76

1,2,3-Trichloropropane

Concen: 26.642 ug/l

RT: 10.49 min Scan# 2899

Delta R.T. -0.00 min

Lab File: VU027915.D

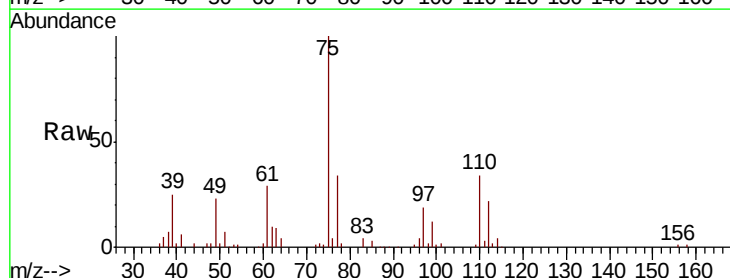
Acq: 02 Nov 2018 10:56

Tgt Ion: 75 Resp: 88769

Ion Ratio Lower Upper

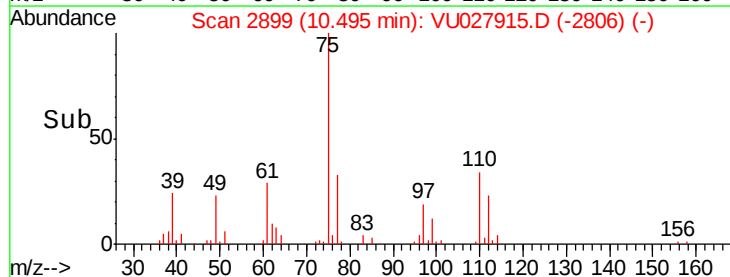
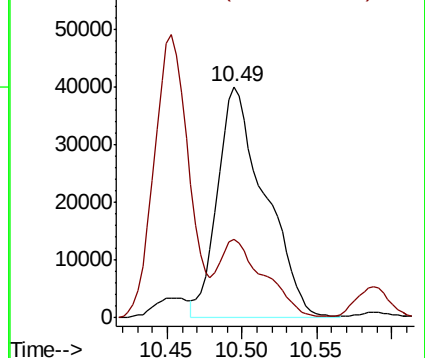
75 100

77 32.6 21.6 64.6



Abundance Ion 74.90 (74.60 to 75.60): VU027915.D (-2806) (-)

Ion 77.00 (76.70 to 77.70): VU027915.D (-2806) (-)





#77

Bromobenzene

Concen: 19.824 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. -0.00 min

Lab File: VU027915.D

Acq: 02 Nov 2018 10:56

Instrument :

MSVOA_U

ClientSampleId :

VU1102WBS01

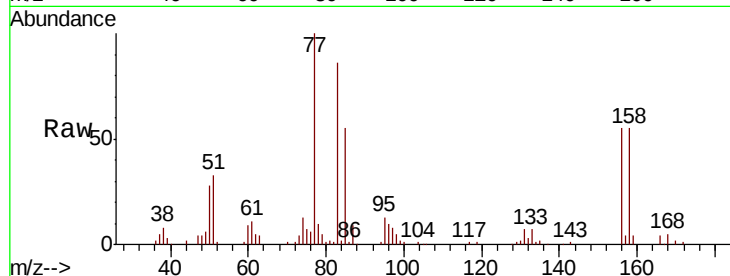
Tot Ion:156 Resp: 42895

Ion Ratio Lower Upper

156 100

77 183.7 91.8 275.6

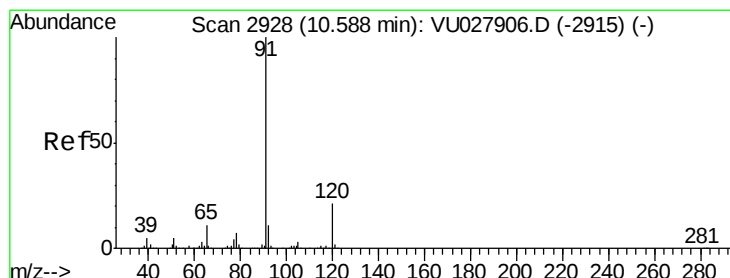
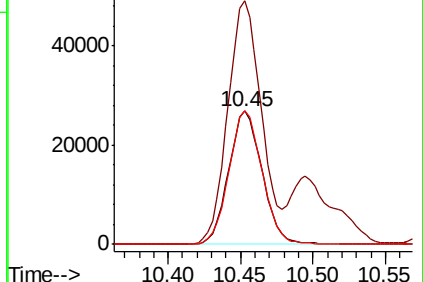
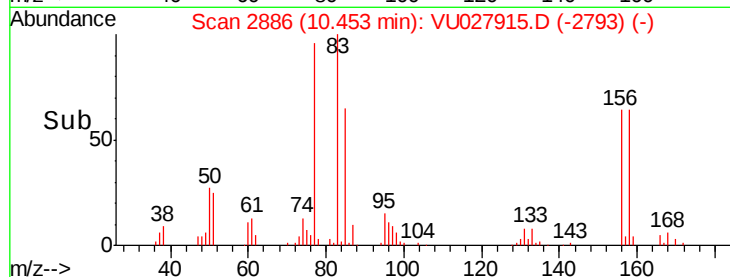
158 99.5 48.4 145.2



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: 18.360 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. -0.00 min

Lab File: VU027915.D

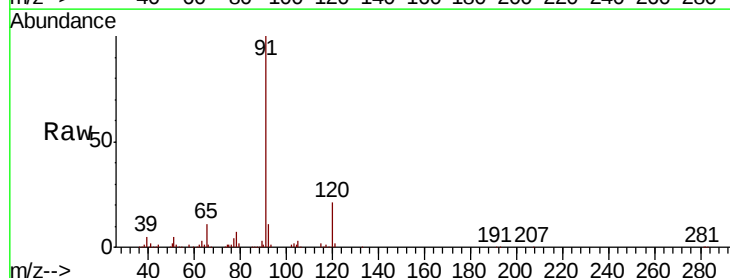
Acq: 02 Nov 2018 10:56

Tgt Ion: 91 Resp: 207381

Ion Ratio Lower Upper

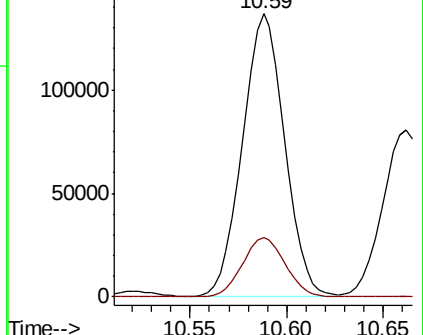
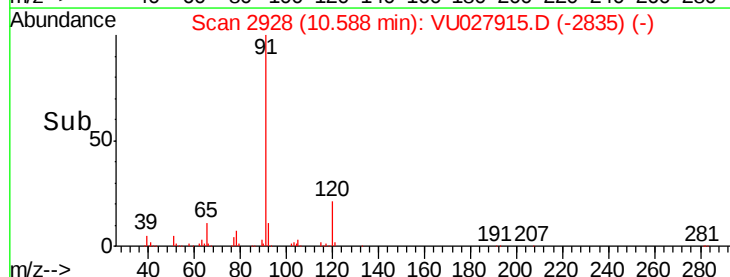
91 100

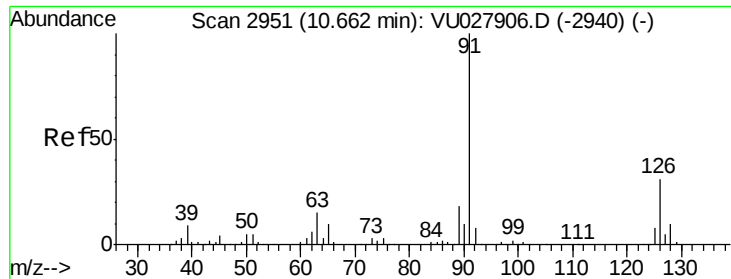
120 21.4 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

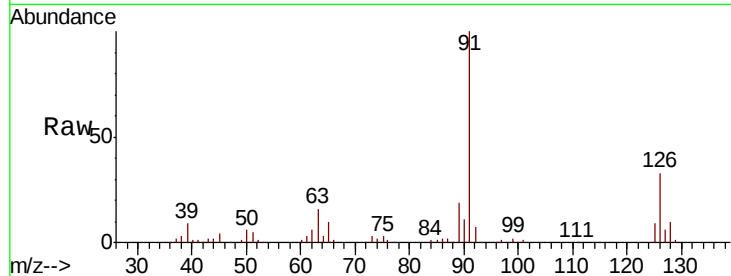




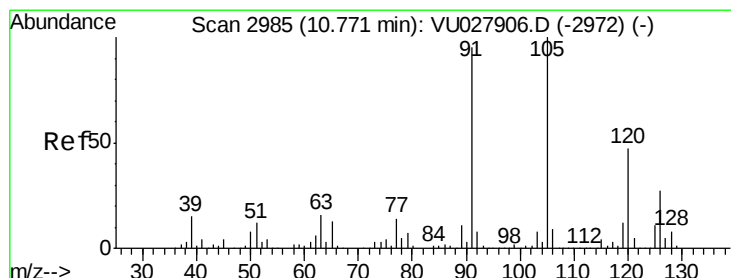
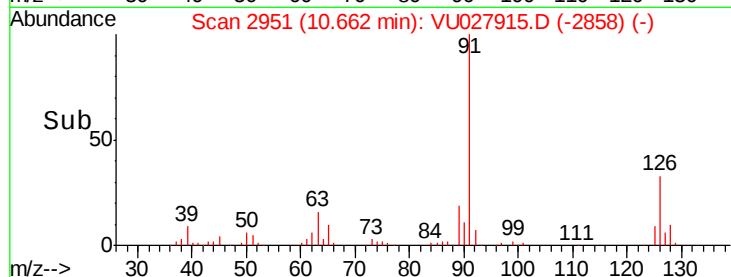
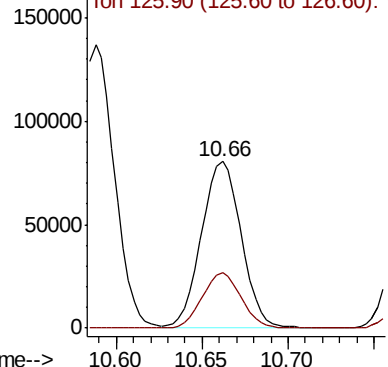
#79
 2-Chlorotoluene
 Concen: 18.997 ug/l
 RT: 10.66 min Scan# 2951
 Delta R.T. -0.00 min
 Lab File: VU027915.D
 Acq: 02 Nov 2018 10:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1102WBS01

Tot Ion: 91 Resp: 128624
 Ion Ratio Lower Upper
 91 100
 126 32.6 16.0 47.9

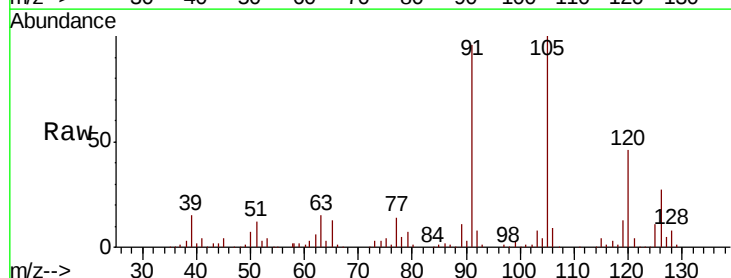


Abundance Ion 91.00 (90.70 to 91.70): VU027906.D (-2940) (-)
 Ion 125.90 (125.60 to 126.60): VU027906.D (-2940) (-)

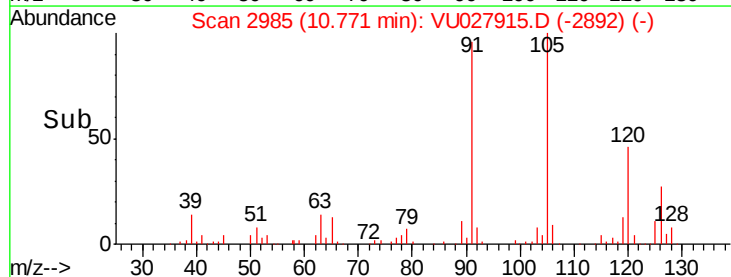
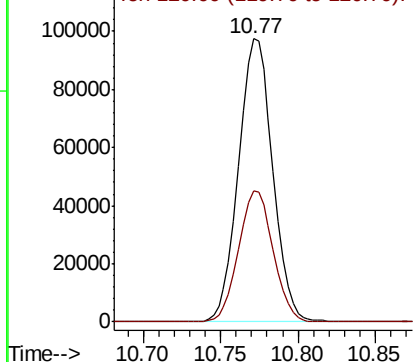


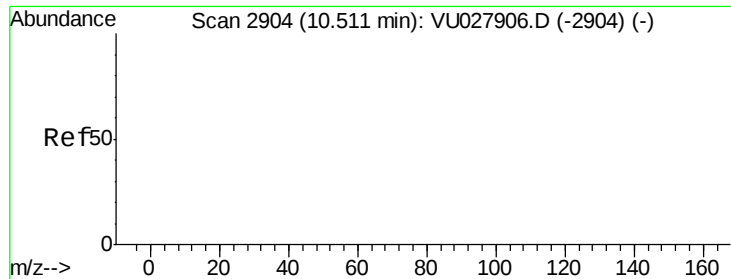
#80
 1,3,5-Trimethylbenzene
 Concen: 19.139 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. -0.00 min
 Lab File: VU027915.D
 Acq: 02 Nov 2018 10:56

Tgt Ion: 105 Resp: 149609
 Ion Ratio Lower Upper
 105 100
 120 46.8 23.3 69.9



Abundance Ion 105.00 (104.70 to 105.70): VU027906.D (-2972) (-)
 Ion 120.00 (119.70 to 120.70): VU027906.D (-2972) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 66.433 ug/l

RT: 10.49 min Scan# 2899

Delta R.T. -0.02 min

Lab File: VU027915.D

Acq: 02 Nov 2018 10:56

Instrument :

MSVOA_U

ClientSampleId :

VU1102WBS01

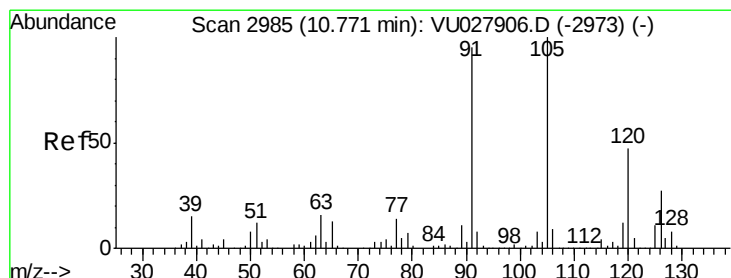
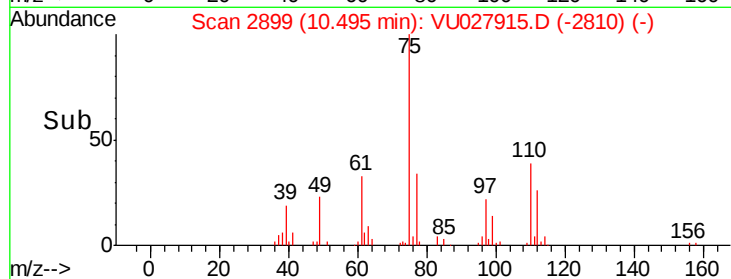
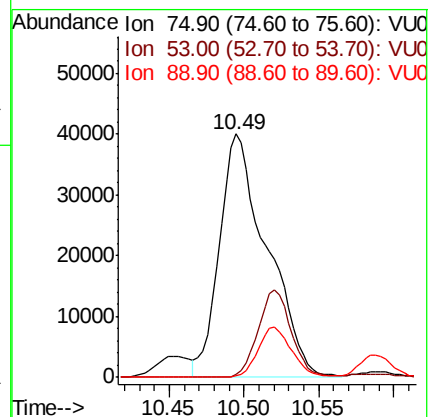
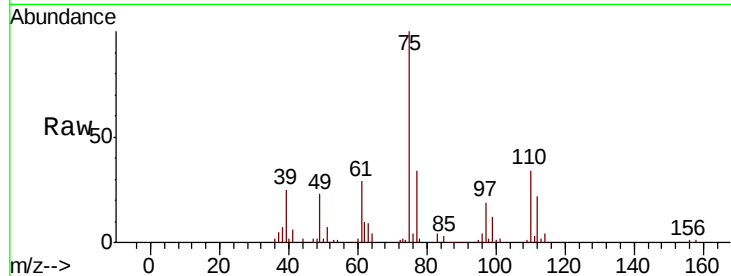
Tot Ion: 75 Resp: 88769

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0



#82

4-Chlorotoluene

Concen: 18.609 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU027915.D

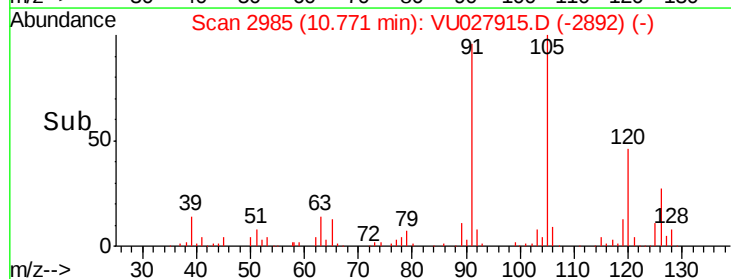
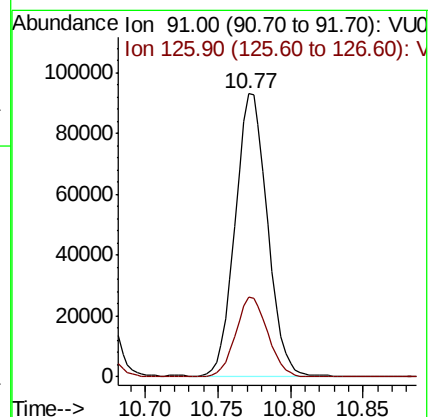
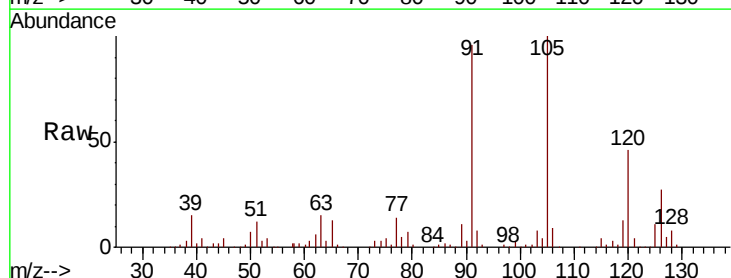
Acq: 02 Nov 2018 10:56

Tgt Ion: 91 Resp: 143040

Ion Ratio Lower Upper

91 100

126 28.1 14.2 42.6

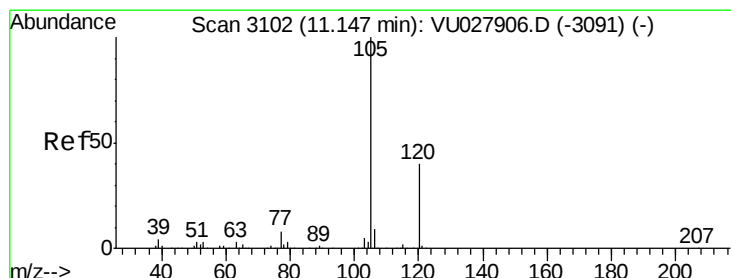
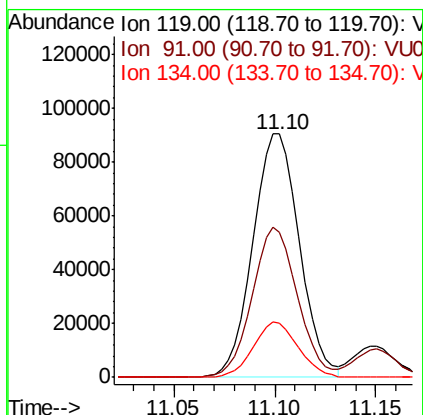
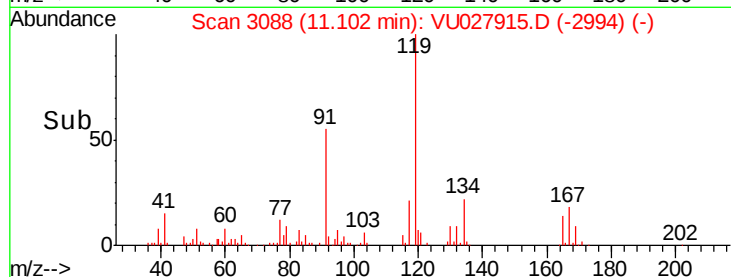
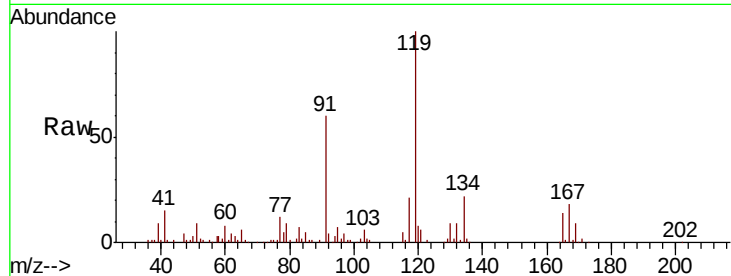




#83
tert-Butylbenzene
Concen: 18.668 ug/l
RT: 11.10 min Scan# 3088
Delta R.T. 0.00 min
Lab File: VU027915.D
Acq: 02 Nov 2018 10:56

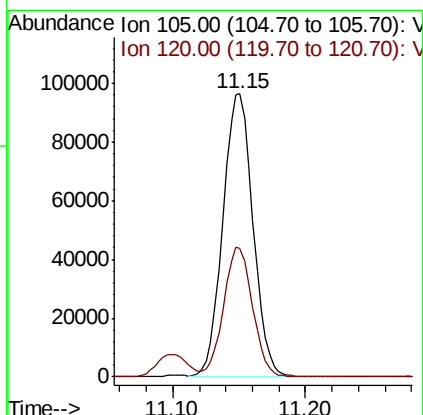
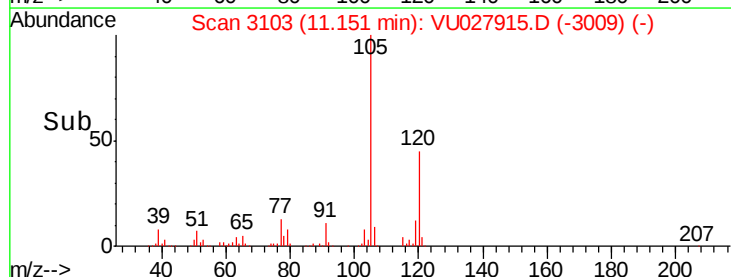
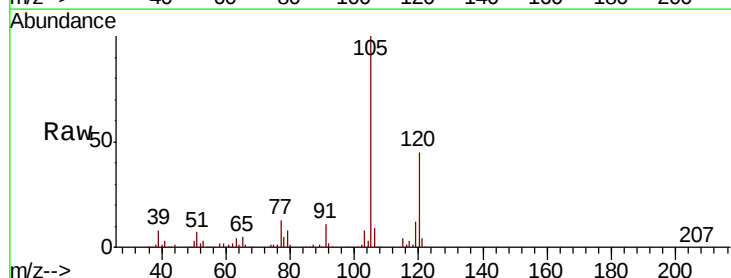
Instrument :
MSVOA_U
ClientSampleId :
VU1102WBS01

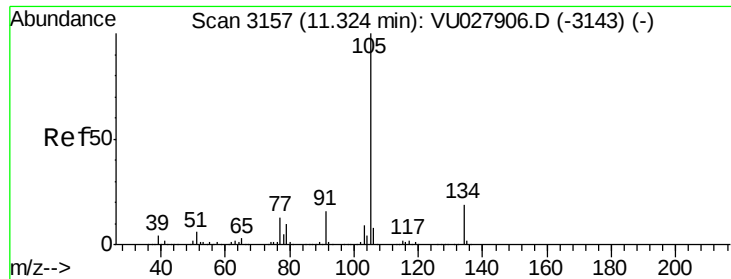
Tot Ion:119 Resp: 145890
Ion Ratio Lower Upper
119 100
91 59.7 29.8 89.3
134 21.9 11.1 33.1



#84
1,2,4-Trimethylbenzene
Concen: 19.314 ug/l
RT: 11.15 min Scan# 3103
Delta R.T. 0.00 min
Lab File: VU027915.D
Acq: 02 Nov 2018 10:56

Tgt Ion:105 Resp: 152030
Ion Ratio Lower Upper
105 100
120 44.1 22.1 66.1





#85

sec-Butylbenzene

Concen: 18.536 ug/l

RT: 11.32 min Scan# 3157

Delta R.T. -0.00 min

Lab File: VU027915.D

Acq: 02 Nov 2018 10:56

Instrument :

MSVOA_U

ClientSampleId :

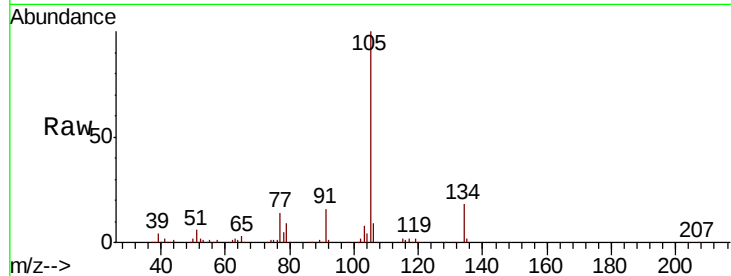
VU1102WBS01

Tot Ion:105 Resp: 176172

Ion Ratio Lower Upper

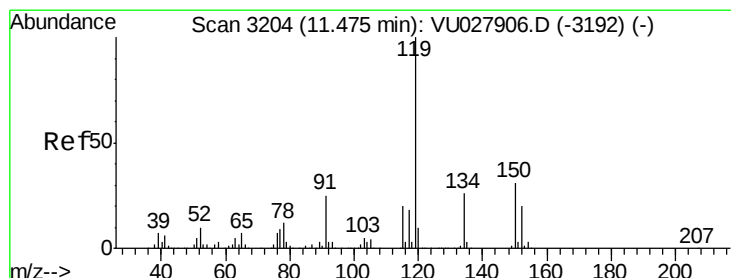
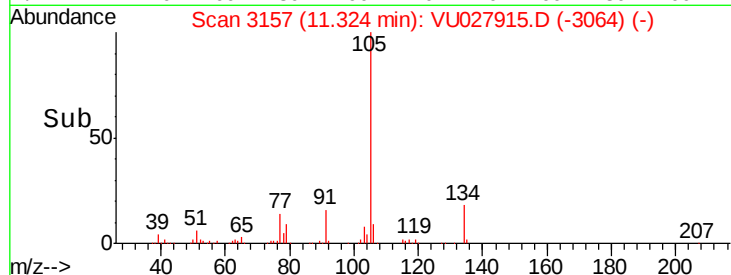
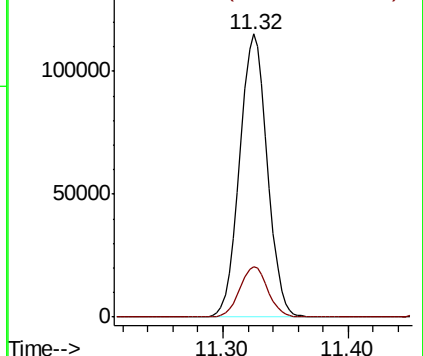
105 100

134 18.0 9.2 27.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 18.812 ug/l

RT: 11.48 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VU027915.D

Acq: 02 Nov 2018 10:56

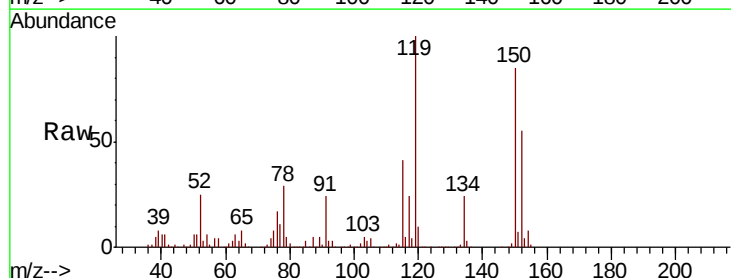
Tgt Ion:119 Resp: 149468

Ion Ratio Lower Upper

119 100

134 24.8 12.9 38.7

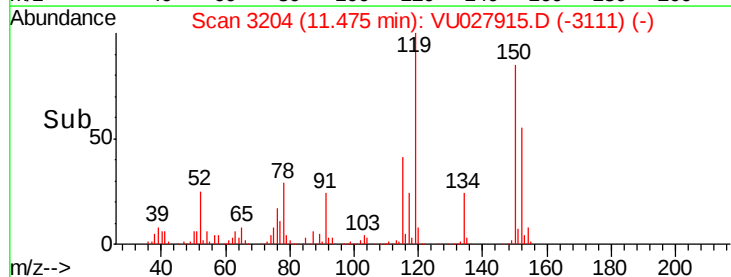
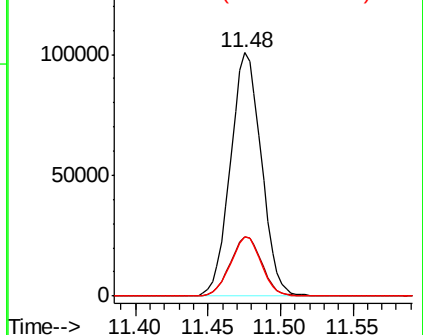
91 24.2 12.4 37.2

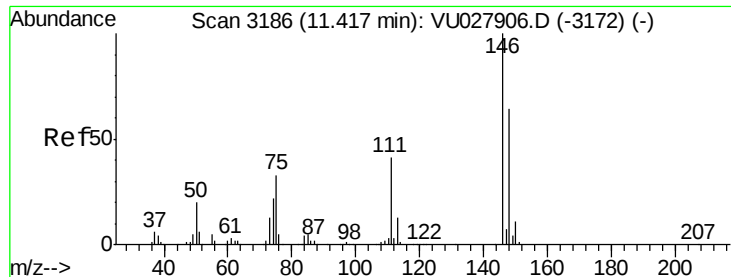


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0





#87

1,3-Dichlorobenzene

Concen: 18.670 ug/l

RT: 11.42 min Scan# 3186

Delta R.T. 0.00 min

Lab File: VU027915.D

Acq: 02 Nov 2018 10:56

Instrument :

MSVOA_U

ClientSampleId :

VU1102WBS01

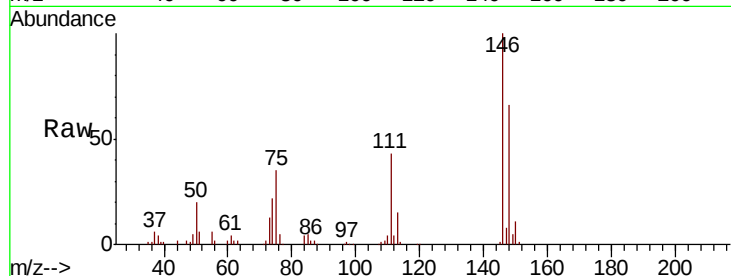
Tot Ion:146 Resp: 74629

Ion Ratio Lower Upper

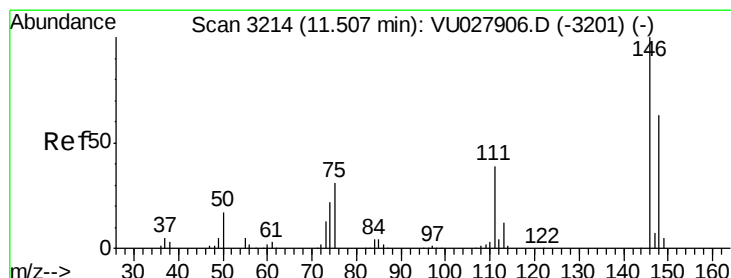
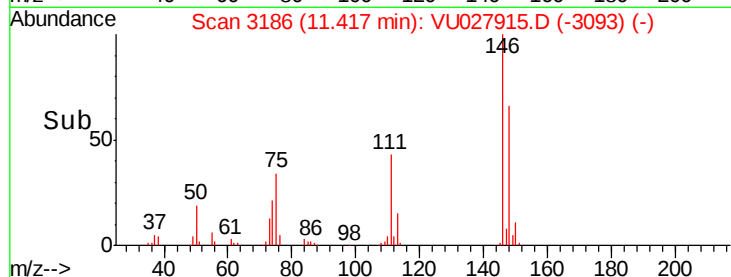
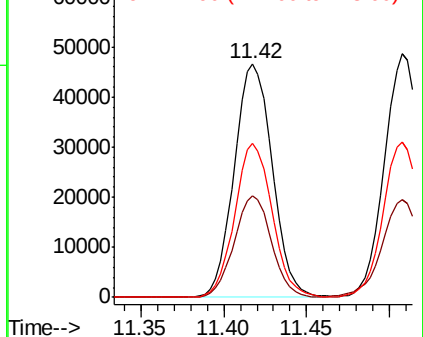
146 100

111 42.3 20.3 61.0

148 64.8 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: 18.457 ug/l

RT: 11.51 min Scan# 3214

Delta R.T. 0.00 min

Lab File: VU027915.D

Acq: 02 Nov 2018 10:56

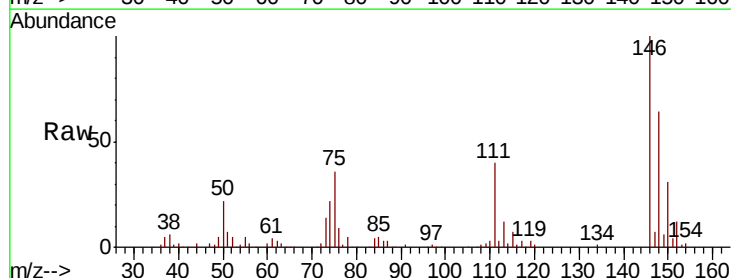
Tgt Ion:146 Resp: 75619

Ion Ratio Lower Upper

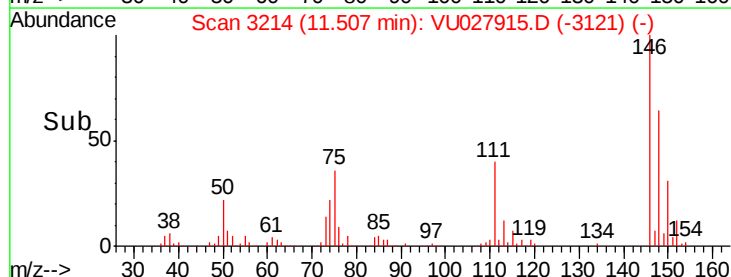
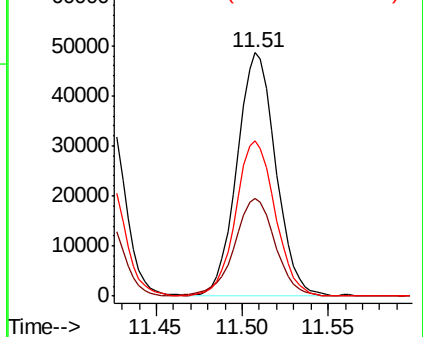
146 100

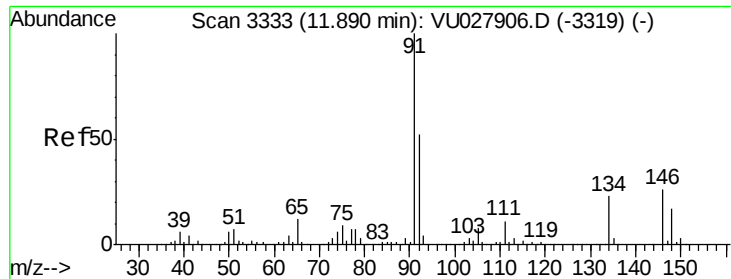
111 42.7 20.3 60.9

148 65.7 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

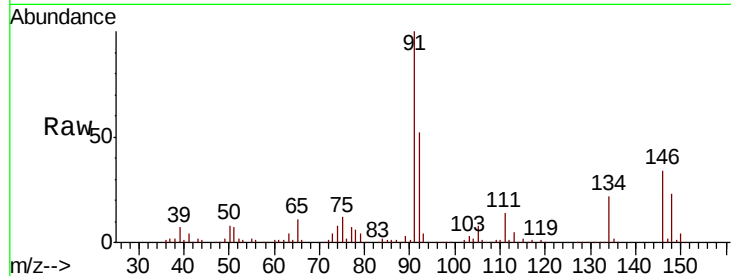




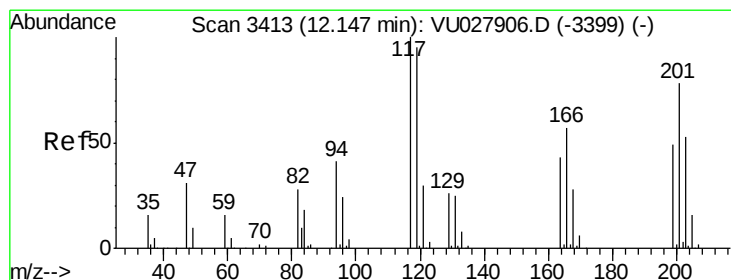
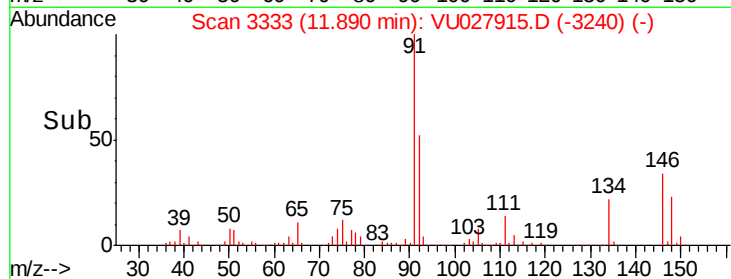
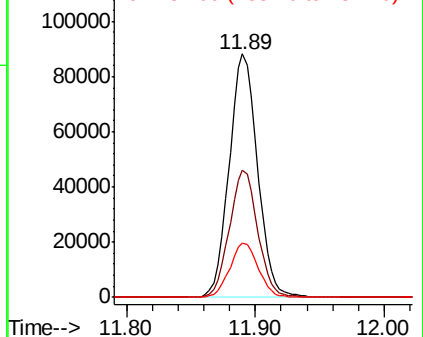
#89
n-Butylbenzene
Concen: 17.841 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. 0.00 min
Lab File: VU027915.D
Acq: 02 Nov 2018 10:56

Instrument :
MSVOA_U
ClientSampleId :
VU1102WBS01

Tot Ion: 91 Resp: 134714
Ion Ratio Lower Upper
91 100
92 51.9 26.2 78.5
134 22.4 11.5 34.5

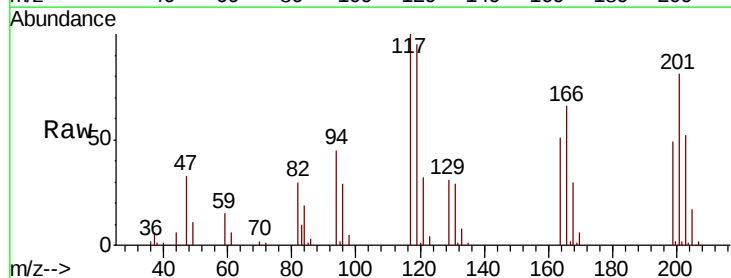


Abundance Ion 91.00 (90.70 to 91.70): VU027906.D (-3319) (-)
Ion 92.00 (91.70 to 92.70): VU027906.D (-3319) (-)
Ion 134.00 (133.70 to 134.70): VU027906.D (-3319) (-)

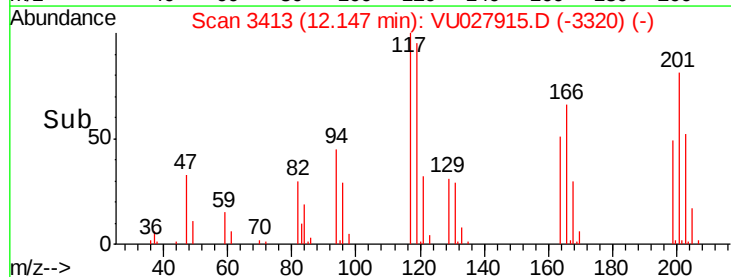
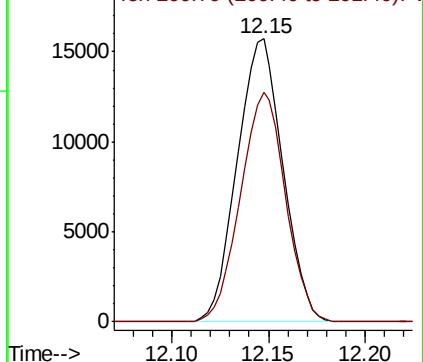


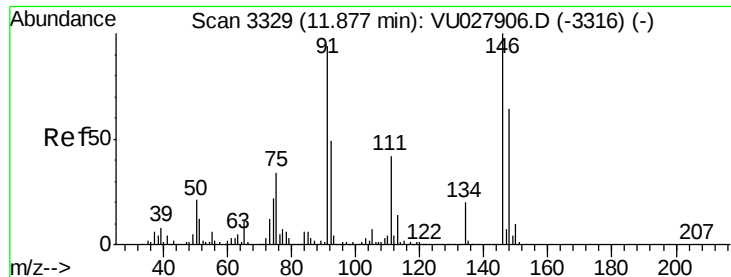
#90
Hexachloroethane
Concen: 18.275 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. -0.00 min
Lab File: VU027915.D
Acq: 02 Nov 2018 10:56

Tgt Ion: 117 Resp: 25851
Ion Ratio Lower Upper
117 100
201 79.9 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) (-)

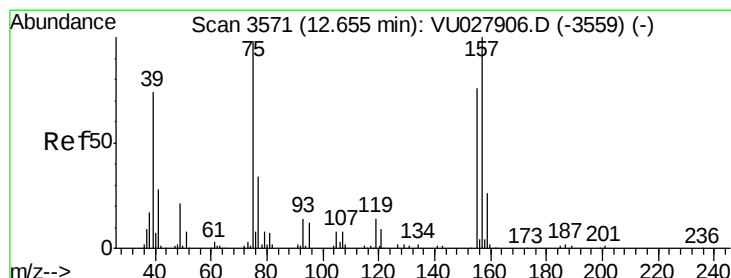
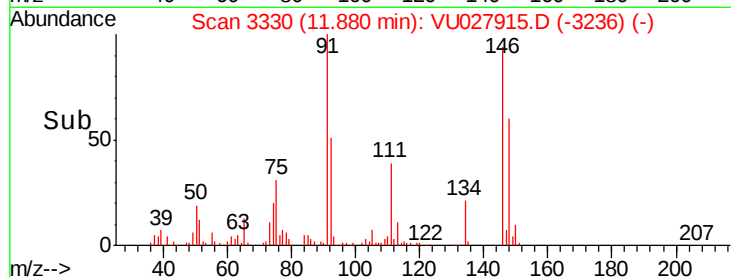
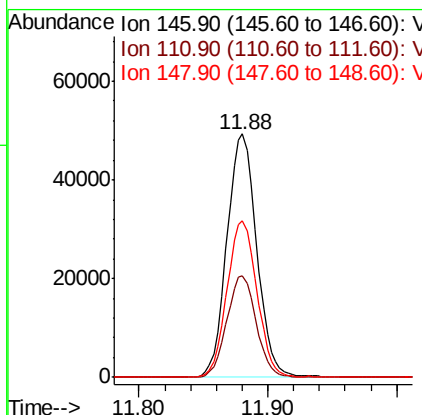
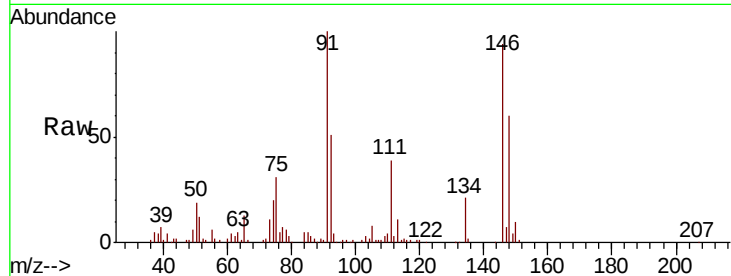




#91
 1,2-Dichlorobenzene
 Concen: 19.654 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU027915.D
 Acq: 02 Nov 2018 10:56

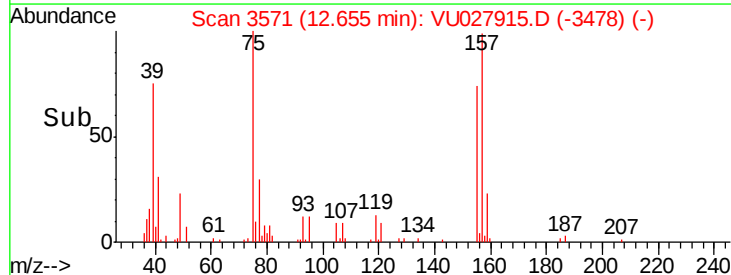
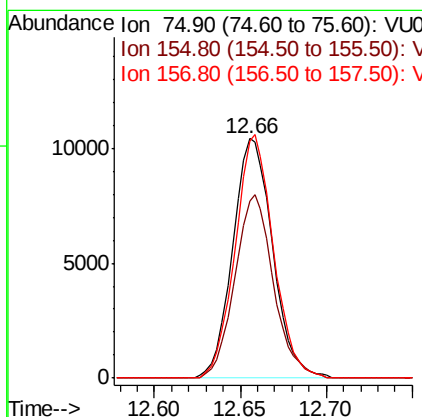
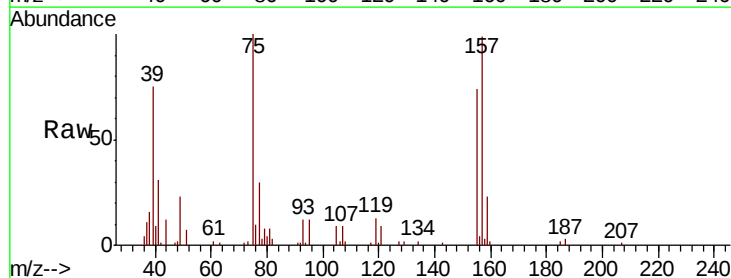
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1102WBS01

Tot Ion:146 Resp: 79003
 Ion Ratio Lower Upper
 146 100
 111 41.2 21.3 64.0
 148 64.5 31.8 95.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.016 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU027915.D
 Acq: 02 Nov 2018 10:56

Tgt Ion: 75 Resp: 16856
 Ion Ratio Lower Upper
 75 100
 155 74.1 39.8 119.3
 157 97.2 50.6 151.9

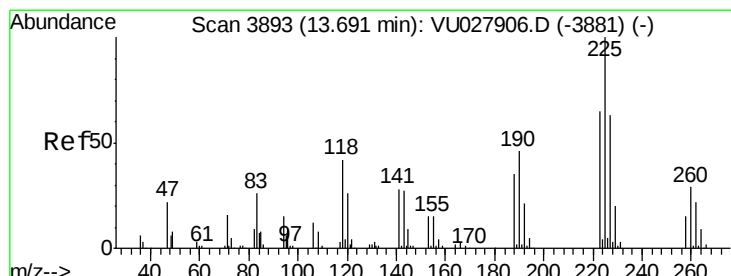
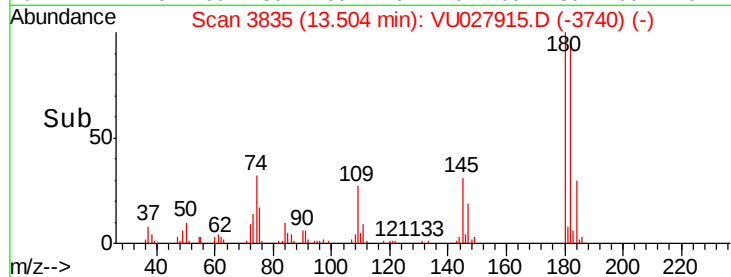
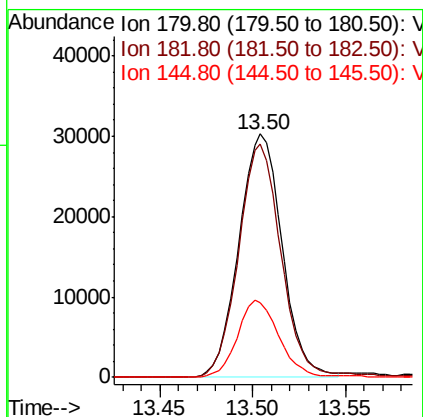
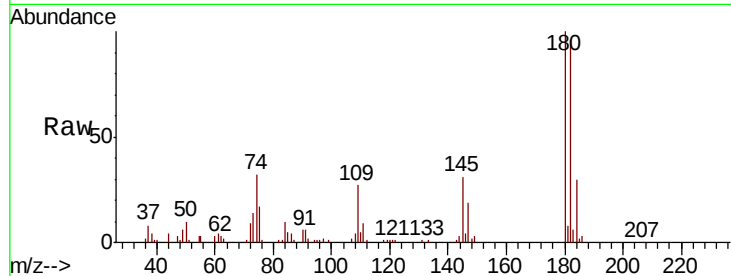




#93
 1,2,4-Trichlorobenzene
 Concen: 17.881 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU027915.D
 Acq: 02 Nov 2018 10:56

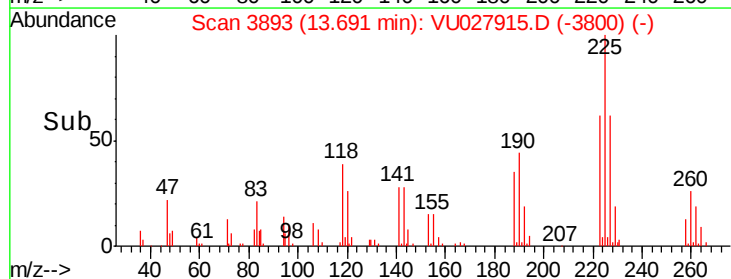
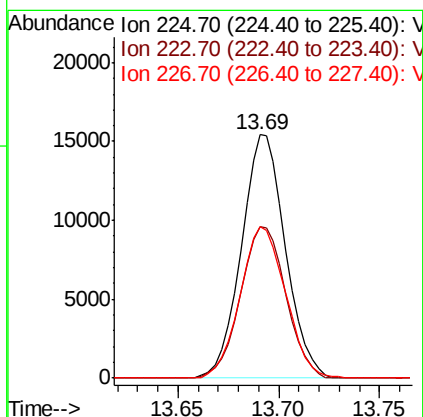
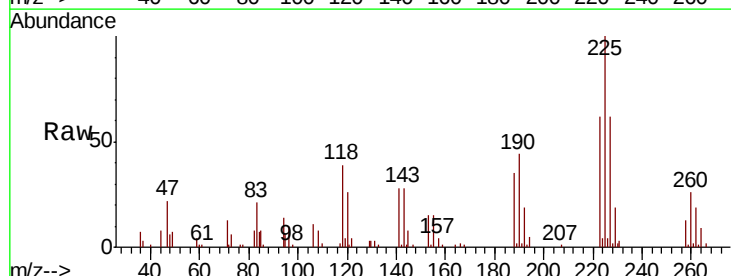
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1102WBS01

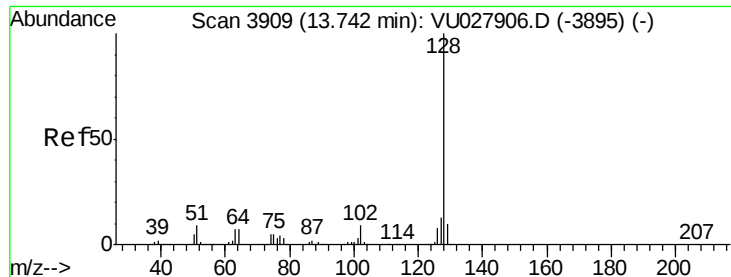
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.6	48.4	145.2
145	30.5	14.9	44.5



#94
 Hexachlorobutadiene
 Concen: 18.398 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU027915.D
 Acq: 02 Nov 2018 10:56

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.2	32.2	96.6
227	64.4	32.5	97.4

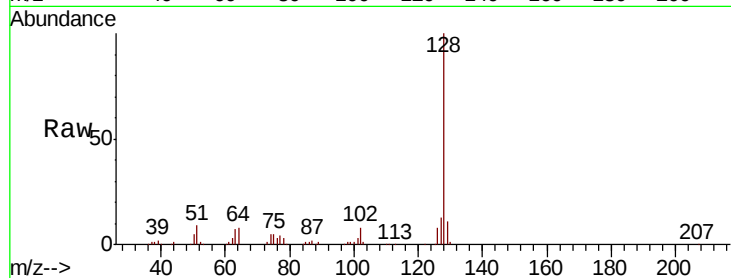




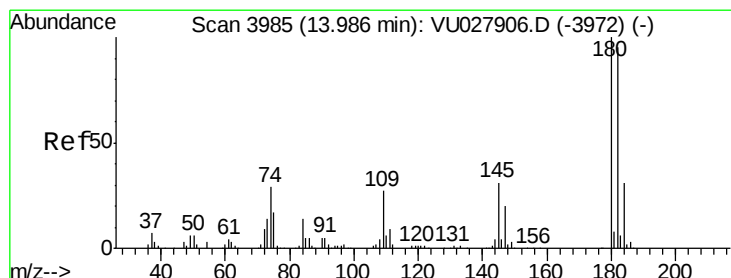
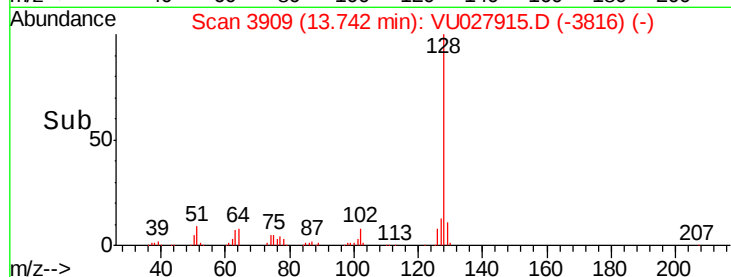
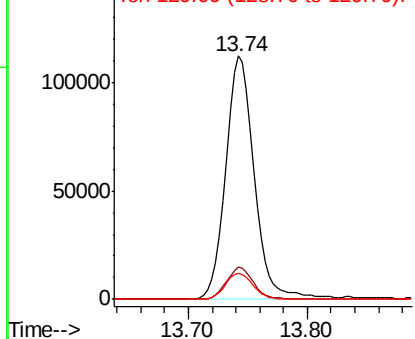
#95
Naphthalene
Concen: 18.670 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU027915.D
Acq: 02 Nov 2018 10:56

Instrument :
MSVOA_U
ClientSampleId :
VU1102WBS01

Tot Ion:128 Resp: 187682
Ion Ratio Lower Upper
128 100
127 12.5 10.4 15.6
129 10.2 8.3 12.5

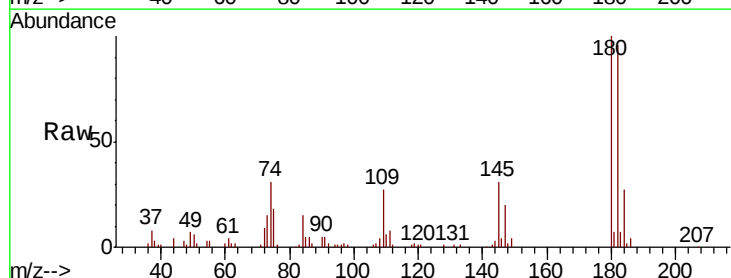


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 20.093 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU027915.D
Acq: 02 Nov 2018 10:56

Tgt Ion:180 Resp: 54197
Ion Ratio Lower Upper
180 100
182 94.8 47.4 142.3
145 30.2 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

