

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061818\
 Data File : VU024711.D
 Acq On : 18 Jun 2018 23:53
 Operator : MD/SY
 Sample : VU0618WBS02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0618WBS02

Quant Time: Jun 19 05:18:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	152447	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	248244	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	228465	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	128157	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	121200	48.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.40%	
35) Dibromofluoromethane	4.89	113	103133	50.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.12%	
50) Toluene-d8	7.57	98	372496	49.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.14%	
62) 4-Bromofluorobenzene	10.31	95	136152	45.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.26%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	31911	16.723	ug/l	98
3) Chloromethane	1.33	50	38536	19.768	ug/l	96
4) Vinyl Chloride	1.40	62	39590	19.692	ug/l	97
5) Bromomethane	1.63	94	25470	26.207	ug/l	97
6) Chloroethane	1.70	64	25770	22.356	ug/l	98
7) Trichlorofluoromethane	1.89	101	65277	21.276	ug/l	95
8) Diethyl Ether	2.10	74	25374	23.296	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	2.29	101	35092	18.436	ug/l	96
10) Methyl Iodide	2.41	142	31934	23.016	ug/l	97
11) Tert butyl alcohol	2.82	59	60513	99.975	ug/l	100
12) 1,1-Dichloroethene	2.28	96	33984	19.578	ug/l	91
13) Acrolein	2.19	56	11071	34.831	ug/l	99
14) Allyl chloride	2.60	41	53258	16.524	ug/l	92
15) Acrylonitrile	2.93	53	127875	108.585	ug/l	97
16) Acetone	2.32	43	115909	86.681	ug/l	96
17) Carbon Disulfide	2.48	76	95318	17.149	ug/l	100
18) Methyl Acetate	2.62	43	72276	25.213	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	132275	20.272	ug/l	96
20) Methylene Chloride	2.70	84	41211	19.642	ug/l	98
21) trans-1,2-Dichloroethene	2.99	96	37289	19.504	ug/l	91
22) Diisopropyl ether	3.57	45	132554	20.747	ug/l	98
23) Vinyl Acetate	3.53	43	537008	93.829	ug/l	99
24) 1,1-Dichloroethane	3.45	63	75092	20.431	ug/l	100
25) 2-Butanone	4.26	43	187227	104.238	ug/l	97
26) 2,2-Dichloropropane	4.23	77	24539	7.031	ug/l	91
27) cis-1,2-Dichloroethene	4.23	96	44704	20.339	ug/l	89
28) Bromochloromethane	4.55	49	33977	20.988	ug/l	88
29) Tetrahydrofuran	4.63	42	123726	111.235	ug/l	99
30) Chloroform	4.68	83	75820	20.381	ug/l	99
31) Cyclohexane	5.00	56	66939	19.297	ug/l	91
32) 1,1,1-Trichloroethane	4.92	97	65833	19.137	ug/l	96
36) 1,1-Dichloropropene	5.14	75	51653	17.707	ug/l	94
37) Ethyl Acetate	4.38	43	70014	22.021	ug/l	96
38) Carbon Tetrachloride	5.14	117	59370	18.508	ug/l	97

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 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0618WBS02

Quant Time: Jun 19 05:18:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	62747	17.237	ug/l	95
40) Benzene	5.39	78	163770	19.703	ug/l	99
41) Methacrylonitrile	4.54	41	36897	21.524	ug/l	94
42) 1,2-Dichloroethane	5.41	62	59475	18.787	ug/l	97
43) Isopropyl Acetate	5.55	43	111180	20.230	ug/l	99
44) Trichloroethene	6.19	130	45274	19.139	ug/l	93
45) 1,2-Dichloropropane	6.44	63	45145	20.355	ug/l	98
46) Dibromomethane	6.56	93	31334	20.114	ug/l	94
47) Bromodichloromethane	6.76	83	58600	18.890	ug/l	98
48) Methyl methacrylate	6.63	41	53598	20.029	ug/l	96
49) 1,4-Dioxane	6.62	88	24886	475.521	ug/l	94
51) 4-Methyl-2-Pentanone	7.46	43	369776	107.098	ug/l	98
52) Toluene	7.64	92	100723	18.835	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	56721	16.282	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	60072	16.183	ug/l	97
55) 1,1,2-Trichloroethane	8.07	97	44293	20.376	ug/l	98
56) Ethyl methacrylate	8.02	69	73880	20.306	ug/l	98
57) 1,3-Dichloropropane	8.25	76	73542	20.055	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	162463	116.556	ug/l	97
59) 2-Hexanone	8.36	43	292624	103.812	ug/l	100
60) Dibromochloromethane	8.48	129	48743	17.982	ug/l	99
61) 1,2-Dibromoethane	8.59	107	47005	19.428	ug/l	97
64) Tetrachloroethene	8.23	164	44374	20.433	ug/l	98
65) Chlorobenzene	9.12	112	116767	20.007	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	45196	20.383	ug/l	98
67) Ethyl Benzene	9.25	91	198493	19.400	ug/l	98
68) m/p-Xylenes	9.38	106	152504	38.815	ug/l	95
69) o-Xylene	9.78	106	77778	20.003	ug/l	96
70) Styrene	9.80	104	123945	19.397	ug/l	98
71) Bromoform	9.96	173	39064	18.535	ug/l #	99
73) Isopropylbenzene	10.17	105	201613	20.490	ug/l	99
74) N-amyl acetate	10.01	43	98834	21.118	ug/l	97
75) 1,1,2,2-Tetrachloroethane	10.46	83	75193	22.805	ug/l	98
76) 1,2,3-Trichloropropane	10.50	75	78207	27.718	ug/l	83
77) Bromobenzene	10.46	156	52410	21.040	ug/l	94
78) n-propylbenzene	10.59	91	223397	19.274	ug/l	98
79) 2-Chlorotoluene	10.66	91	137044	20.050	ug/l	98
80) 1,3,5-Trimethylbenzene	10.78	105	169595	19.886	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.50	75	78207	64.150	ug/l #	100
82) 4-Chlorotoluene	10.78	91	154171	19.379	ug/l	100
83) tert-Butylbenzene	11.10	119	169013	20.602	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	172112	19.803	ug/l	97
85) sec-Butylbenzene	11.33	105	199214	19.400	ug/l	97
86) p-Isopropyltoluene	11.48	119	173015	18.813	ug/l	98
87) 1,3-Dichlorobenzene	11.42	146	91056	19.786	ug/l	98
88) 1,4-Dichlorobenzene	11.51	146	92031	19.868	ug/l	99
89) n-Butylbenzene	11.89	91	140202	17.171	ug/l	98
90) Hexachloroethane	12.15	117	33288	18.555	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	96209	20.872	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.66	75	19196	21.099	ug/l	91

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	60006	21.081	ug/l	99
94) Hexachlorobutadiene	13.70	225	29499	18.412	ug/l	99
95) Naphthalene	13.74	128	222721	23.993	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	66609	23.484	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU024711.D

Acq: 18 Jun 2018 23:53

Instrument :

MSVOA_U

ClientSampleId :

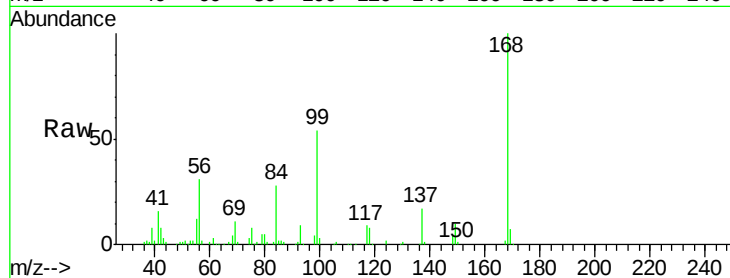
VU0618WBS02

Tgt Ion:168 Resp: 152447

Ion Ratio Lower Upper

168 100

99 53.7 43.2 64.8



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

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

4.99

60000

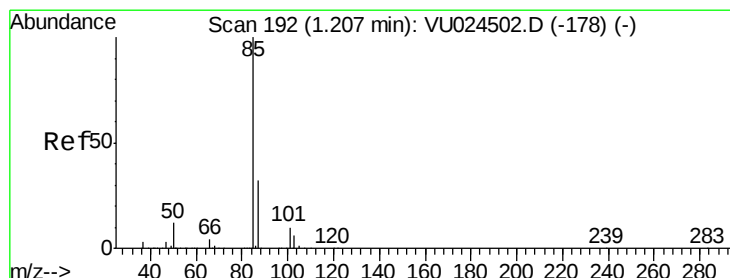
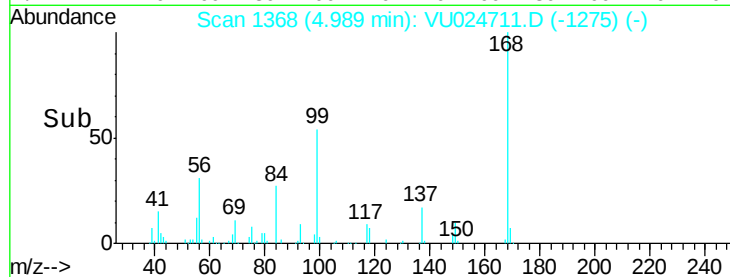
40000

20000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 16.723 ug/l

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU024711.D

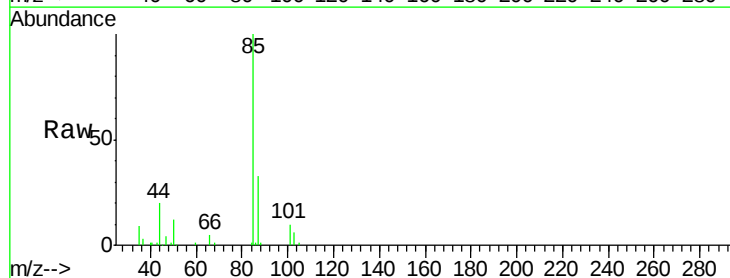
Acq: 18 Jun 2018 23:53

Tgt Ion: 85 Resp: 31911

Ion Ratio Lower Upper

85 100

87 33.1 16.1 48.2



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

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

1.20

30000

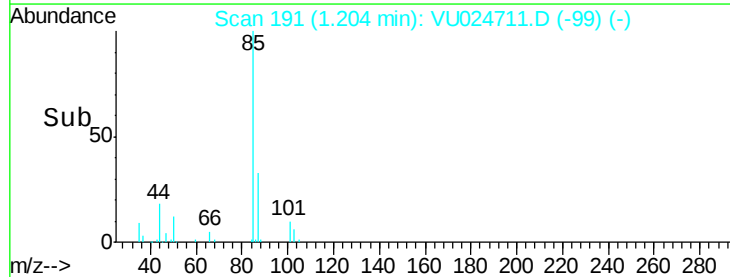
20000

10000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 19.768 ug/l

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU024711.D

Acq: 18 Jun 2018 23:53

Instrument :

MSVOA_U

ClientSampleId :

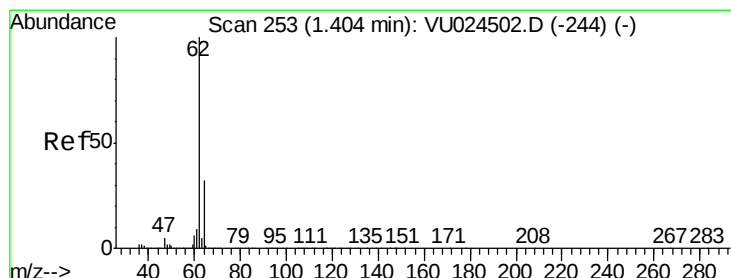
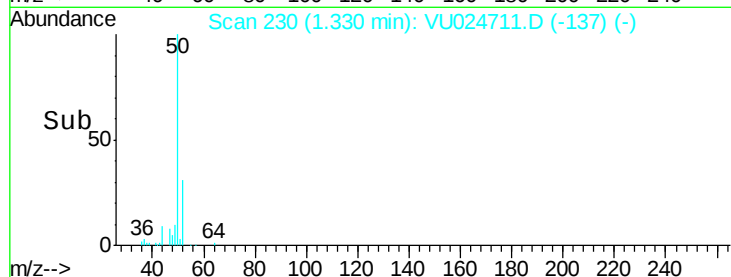
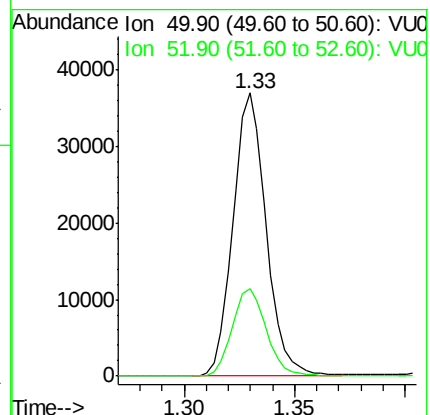
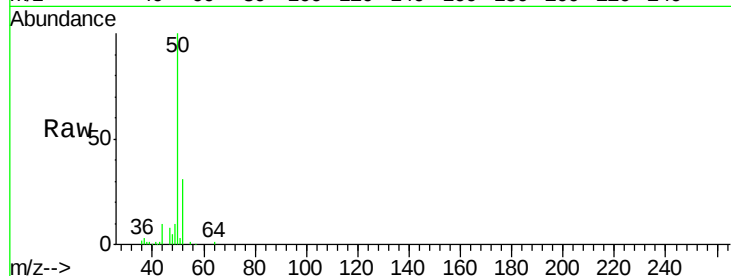
VU0618WBS02

Tgt Ion: 50 Resp: 38536

Ion Ratio Lower Upper

50 100

52 30.9 26.4 39.6



#4

Vinyl Chloride

Concen: 19.692 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU024711.D

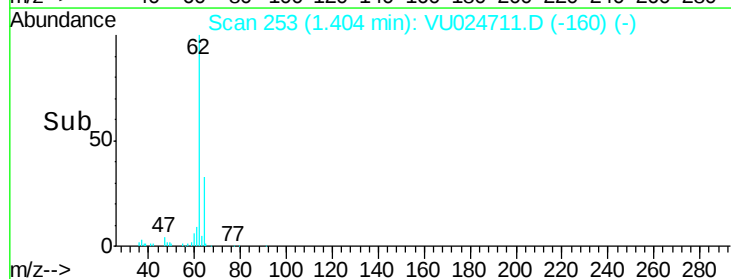
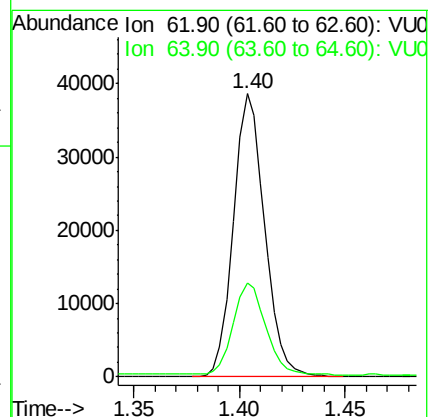
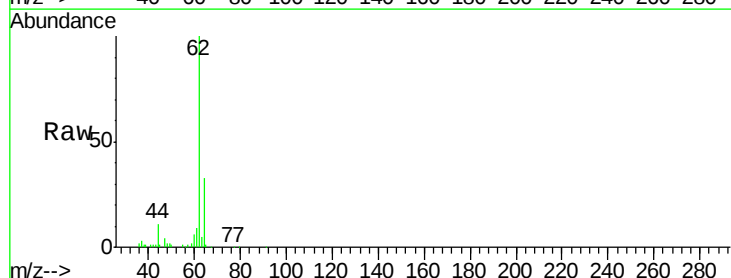
Acq: 18 Jun 2018 23:53

Tgt Ion: 62 Resp: 39590

Ion Ratio Lower Upper

62 100

64 32.6 24.8 37.2





#5

Bromomethane

Concen: 26.207 ug/l

RT: 1.63 min Scan# 322

Delta R.T. 0.00 min

Lab File: VU024711.D

Acq: 18 Jun 2018 23:53

Instrument :

MSVOA_U

ClientSampleId :

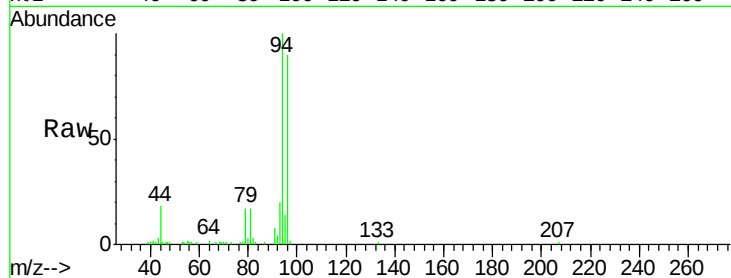
VU0618WBS02

Tgt Ion: 94 Resp: 25470

Ion Ratio Lower Upper

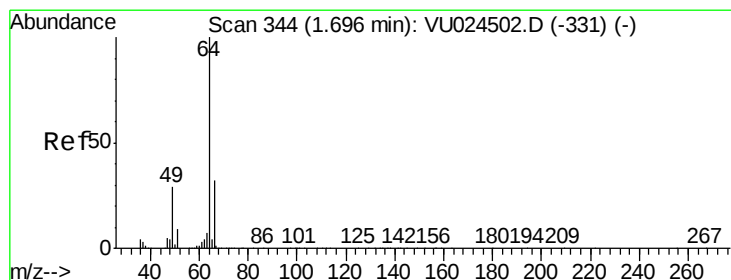
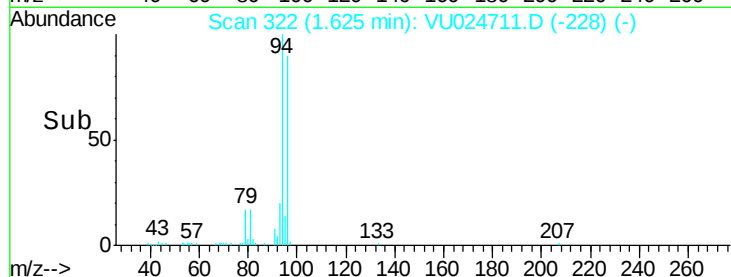
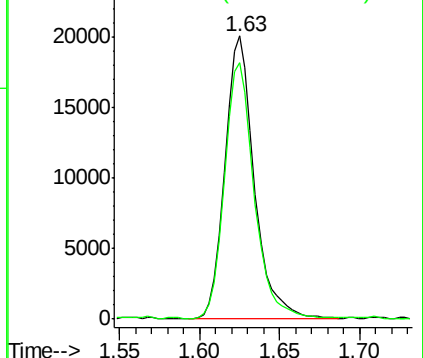
94 100

96 90.5 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 22.356 ug/l

RT: 1.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VU024711.D

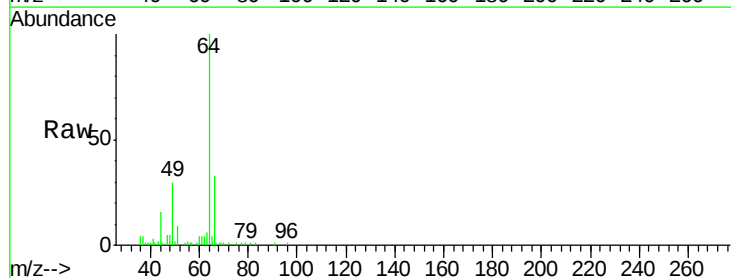
Acq: 18 Jun 2018 23:53

Tgt Ion: 64 Resp: 25770

Ion Ratio Lower Upper

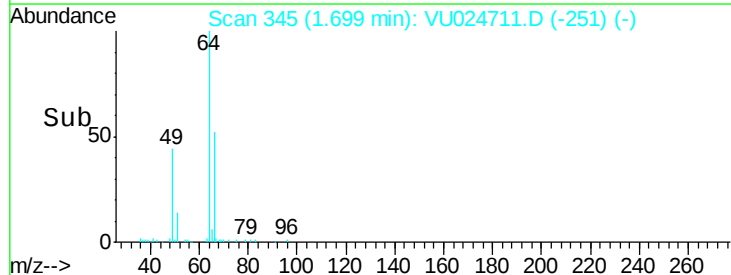
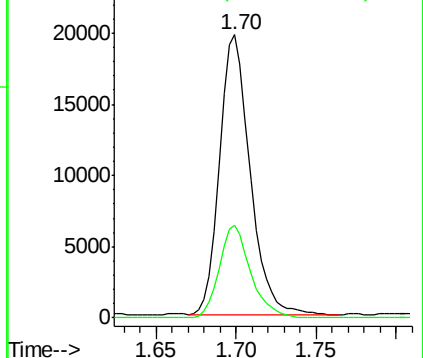
64 100

66 33.3 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0



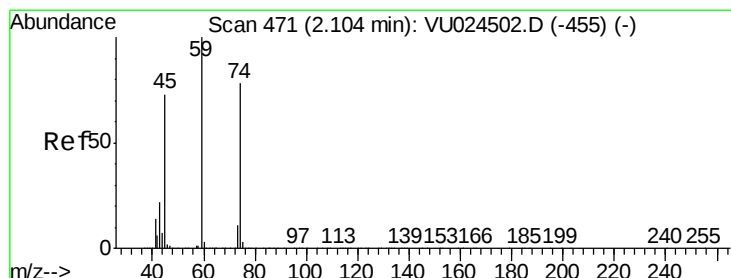
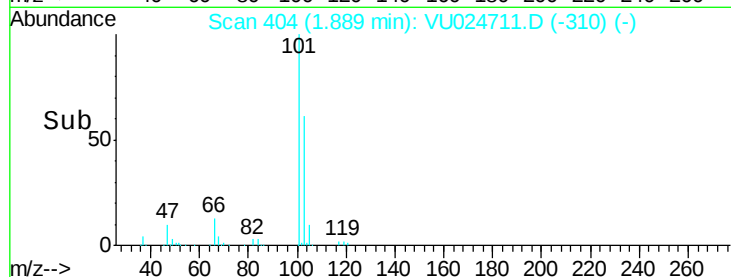
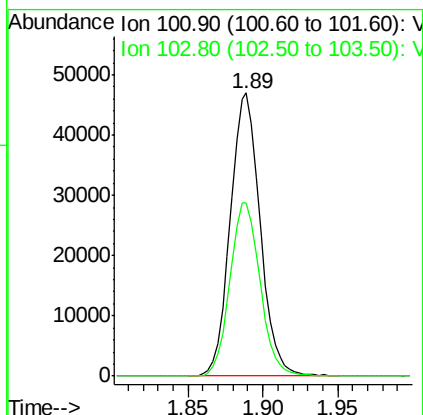
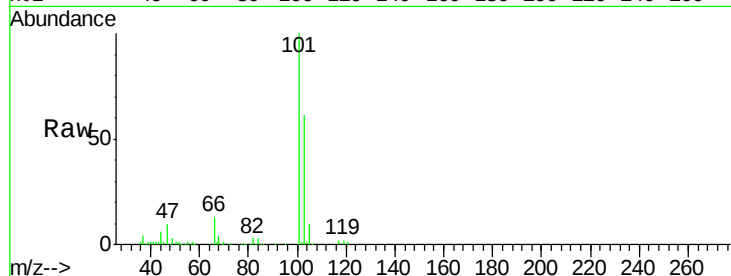


#7

Trichlorofluoromethane
Concen: 21.276 ug/l
RT: 1.89 min Scan# 404
Delta R.T. 0.00 min
Lab File: VU024711.D
Acq: 18 Jun 2018 23:53

Instrument :
MSVOA_U
ClientSampleId :
VU0618WBS02

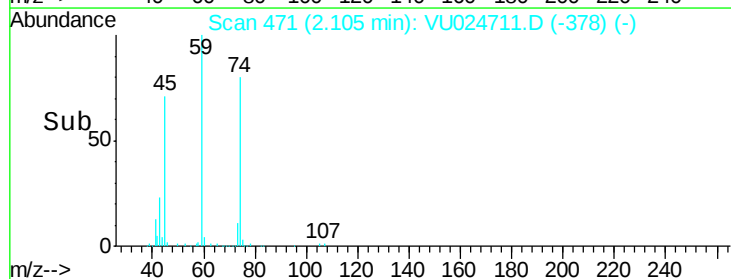
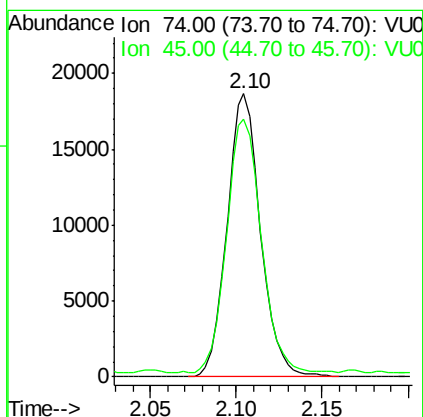
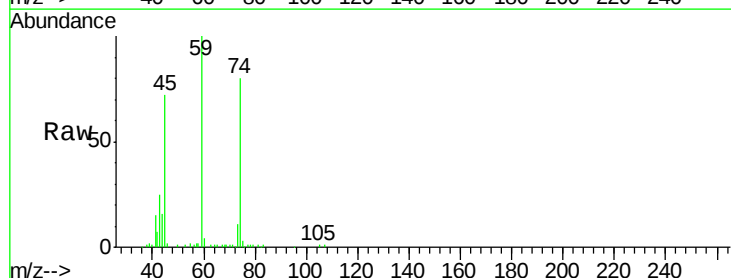
Tgt Ion:101 Resp: 65277
Ion Ratio Lower Upper
101 100
103 61.4 52.3 78.5



#8

Diethyl Ether
Concen: 23.296 ug/l
RT: 2.10 min Scan# 471
Delta R.T. 0.00 min
Lab File: VU024711.D
Acq: 18 Jun 2018 23:53

Tgt Ion: 74 Resp: 25374
Ion Ratio Lower Upper
74 100
45 92.1 55.0 165.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.436 ug/l

RT: 2.29 min Scan# 529

Delta R.T. 0.00 min

Lab File: VU024711.D

Acq: 18 Jun 2018 23:53

Instrument :

MSVOA_U

ClientSampleId :

VU0618WBS02

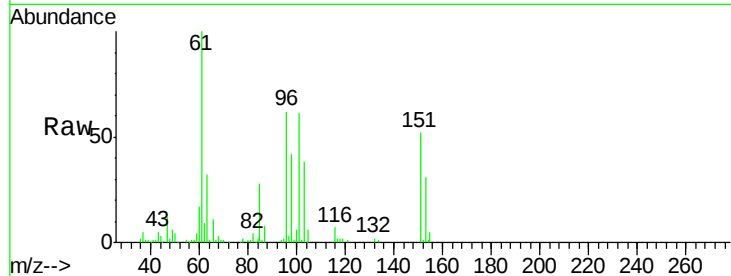
Tgt Ion:101 Resp: 35092

Ion Ratio Lower Upper

101 100

85 44.4 36.0 54.0

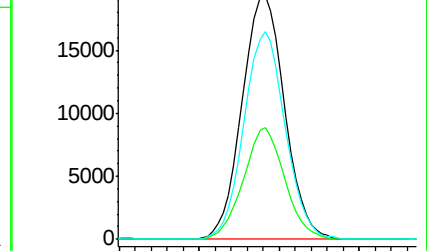
151 82.9 62.3 93.5



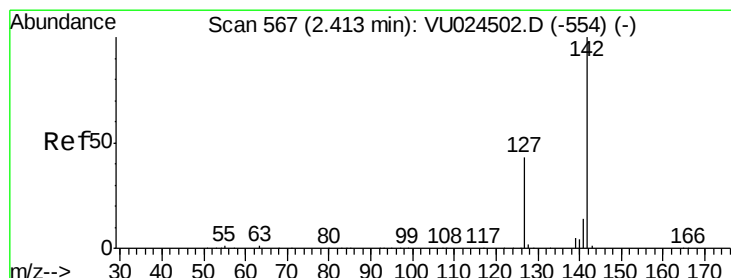
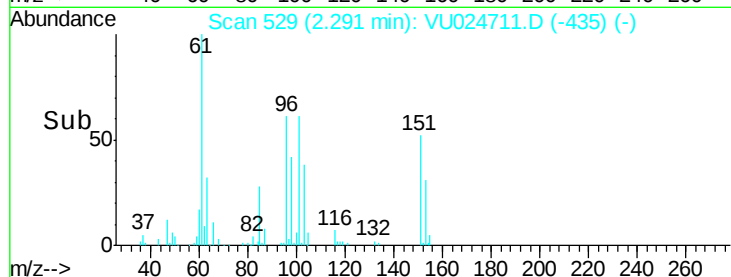
Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



Time--> 2.20 2.25 2.30 2.35



#10

Methyl Iodide

Concen: 23.016 ug/l

RT: 2.41 min Scan# 567

Delta R.T. 0.00 min

Lab File: VU024711.D

Acq: 18 Jun 2018 23:53

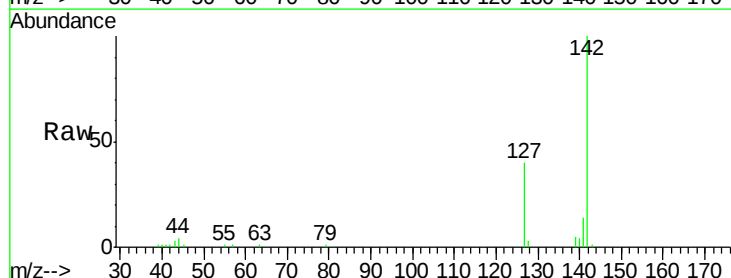
Tgt Ion:142 Resp: 31934

Ion Ratio Lower Upper

142 100

127 41.9 35.6 53.4

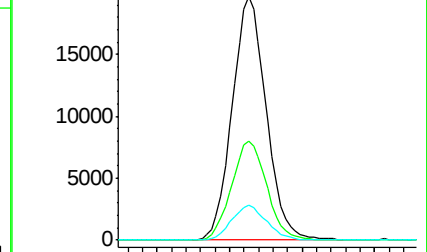
141 14.6 11.7 17.5



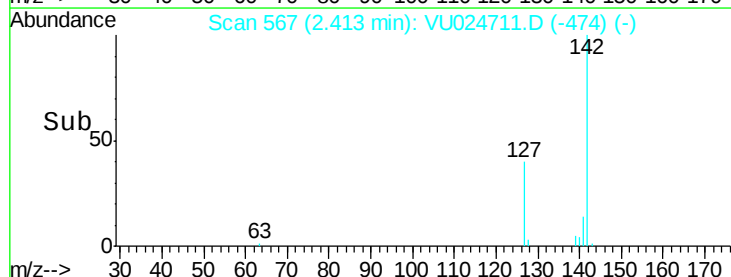
Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



Time--> 2.35 2.40 2.45 2.50



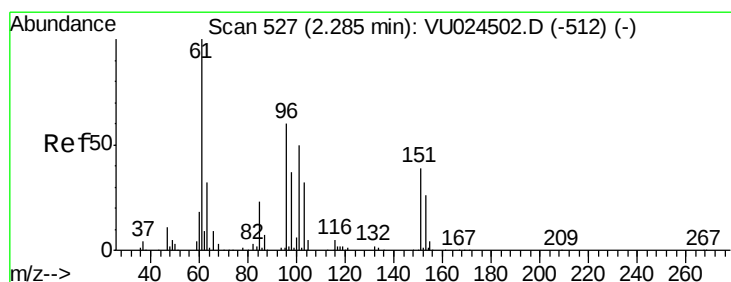
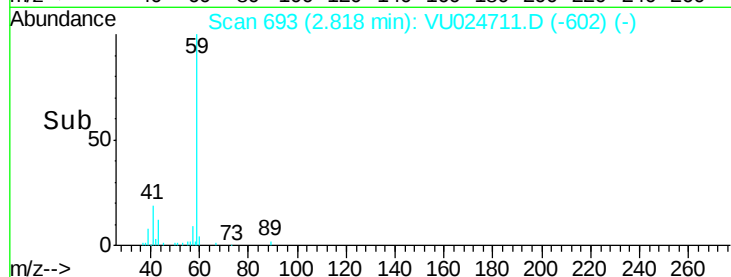
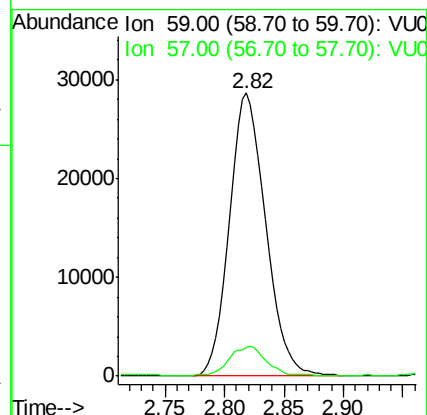
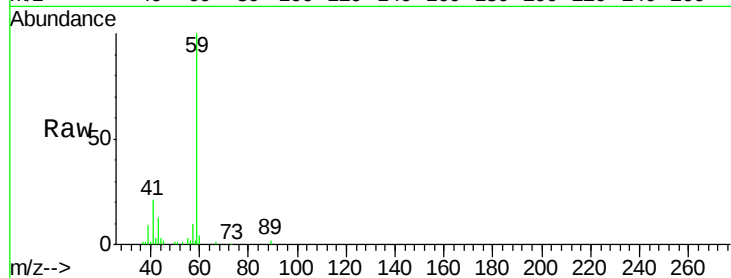


#11

Tert butyl alcohol
Concen: 99.975 ug/l
RT: 2.82 min Scan# 693
Delta R.T. -0.01 min
Lab File: VU024711.D
Acq: 18 Jun 2018 23:53

Instrument :
MSVOA_U
ClientSampleId :
VU0618WBS02

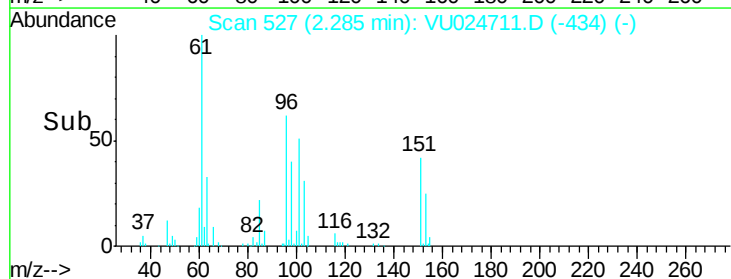
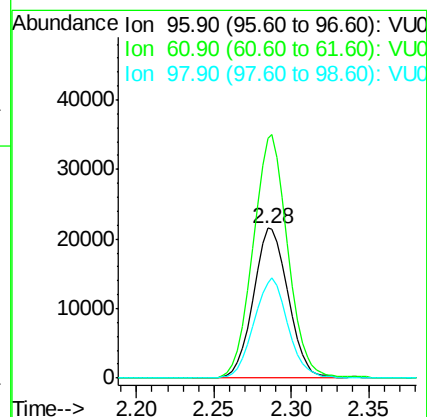
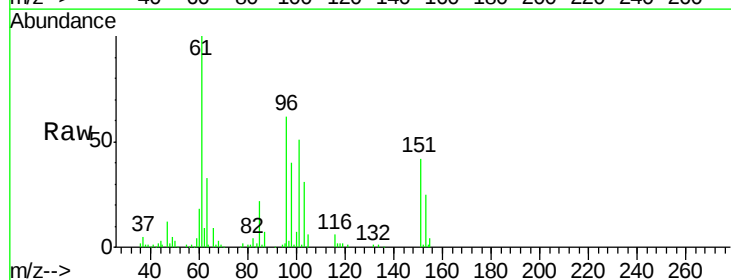
Tgt Ion: 59 Resp: 60513
Ion Ratio Lower Upper
59 100
57 10.8 8.5 12.7

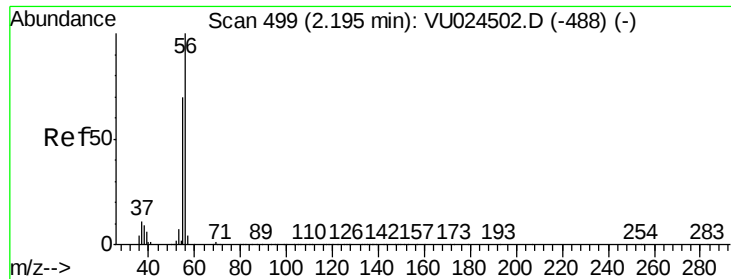


#12

1,1-Dichloroethene
Concen: 19.578 ug/l
RT: 2.28 min Scan# 527
Delta R.T. 0.00 min
Lab File: VU024711.D
Acq: 18 Jun 2018 23:53

Tgt Ion: 96 Resp: 33984
Ion Ratio Lower Upper
96 100
61 160.6 141.7 212.5
98 64.0 51.6 77.4





#13

Acrolein

Concen: 34.831 ug/l

RT: 2.19 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU024711.D

Acq: 18 Jun 2018 23:53

Instrument :

MSVOA_U

ClientSampleId :

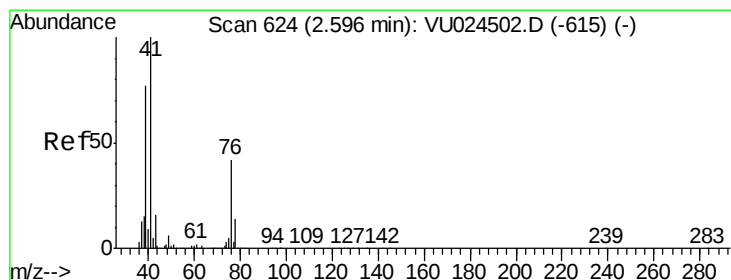
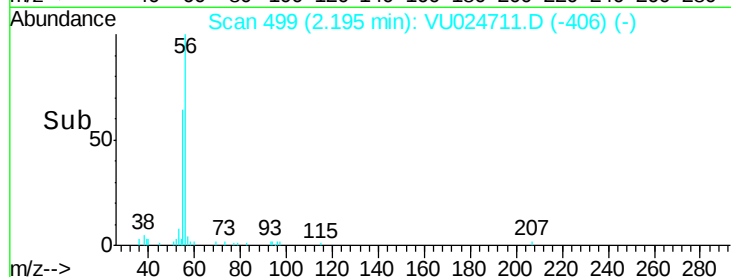
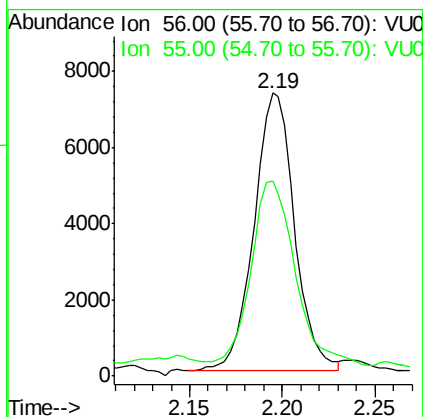
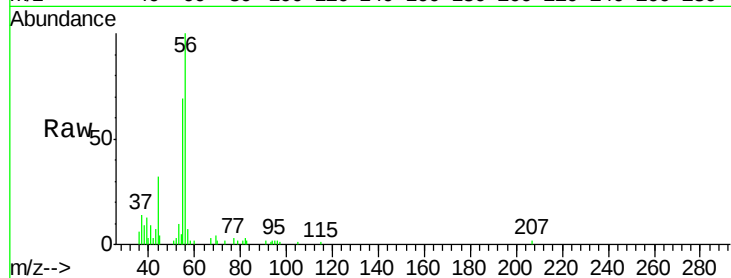
VU0618WBS02

Tgt Ion: 56 Resp: 11071

Ion Ratio Lower Upper

56 100

55 74.0 58.4 87.6



#14

Allyl chloride

Concen: 16.524 ug/l

RT: 2.60 min Scan# 624

Delta R.T. 0.00 min

Lab File: VU024711.D

Acq: 18 Jun 2018 23:53

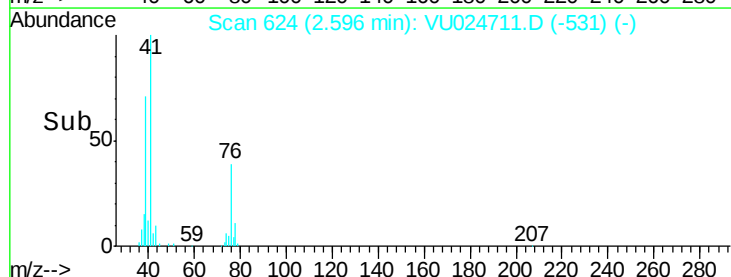
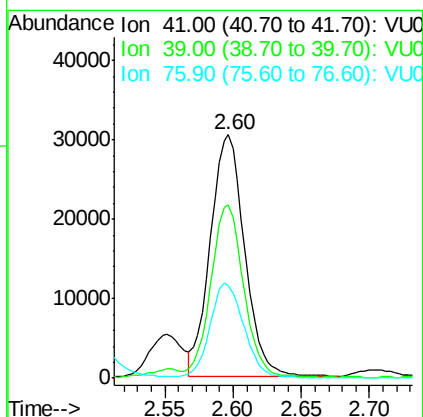
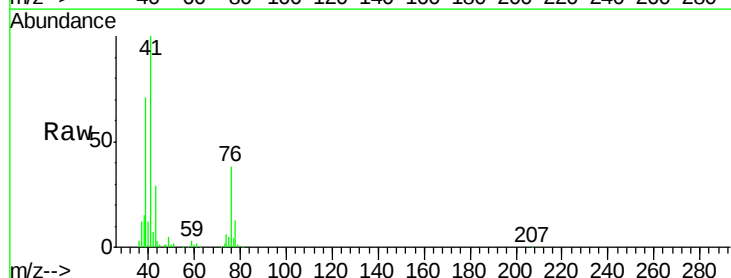
Tgt Ion: 41 Resp: 53258

Ion Ratio Lower Upper

41 100

39 68.2 61.6 92.4

76 38.9 29.7 44.5





#15

Acrylonitrile

Concen: 108.585 ug/l

RT: 2.93 min Scan# 729

Delta R.T. -0.00 min

Lab File: VU024711.D

Acq: 18 Jun 2018 23:53

Instrument :

MSVOA_U

ClientSampleId :

VU0618WBS02

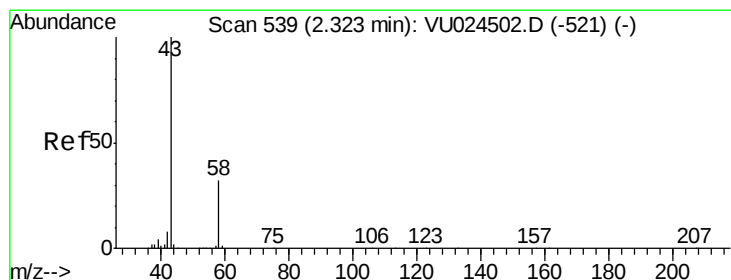
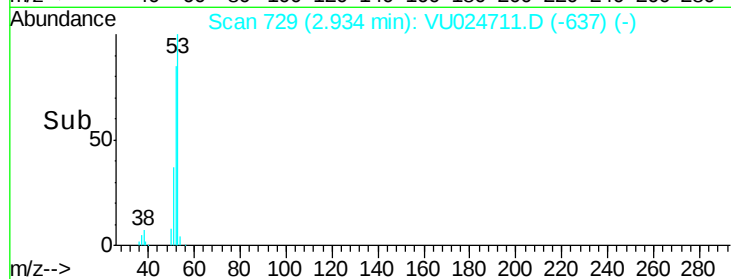
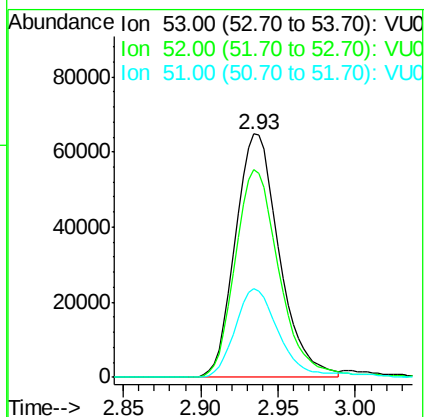
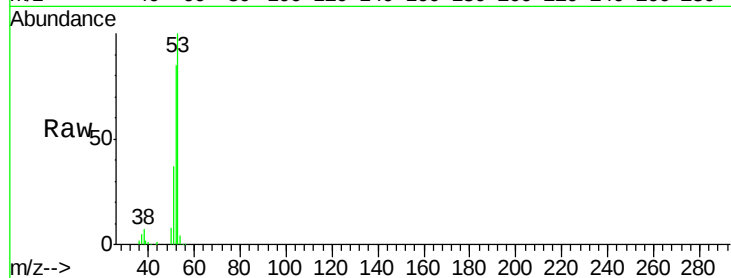
Tgt Ion: 53 Resp: 127875

Ion Ratio Lower Upper

53 100

52 86.0 67.1 100.7

51 37.4 28.4 42.6



#16

Acetone

Concen: 86.681 ug/l

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU024711.D

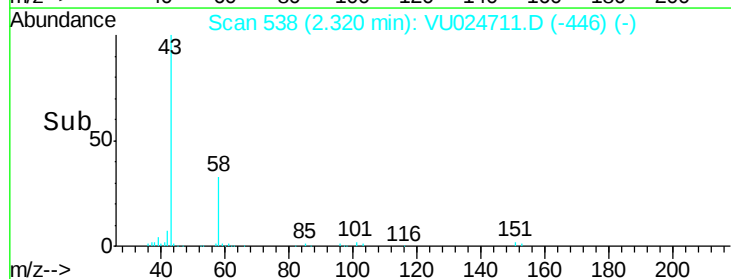
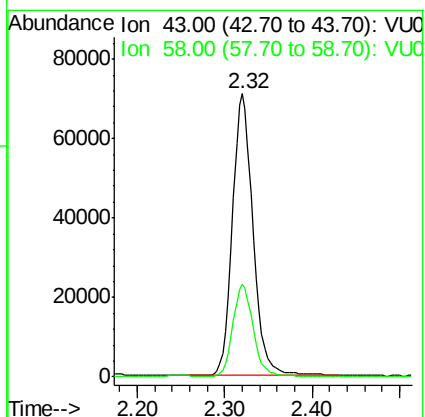
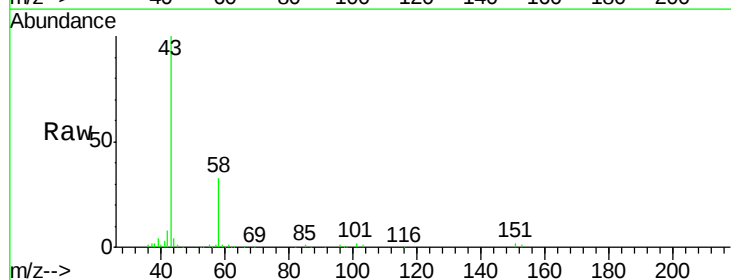
Acq: 18 Jun 2018 23:53

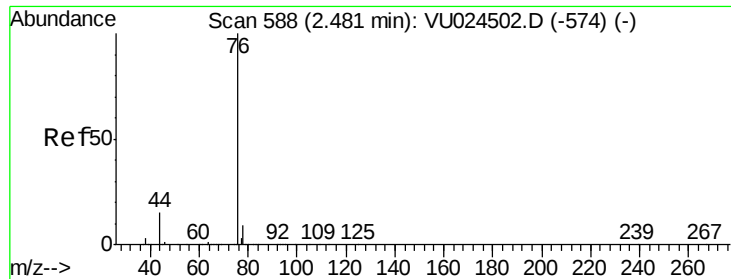
Tgt Ion: 43 Resp: 115909

Ion Ratio Lower Upper

43 100

58 32.6 24.4 36.6

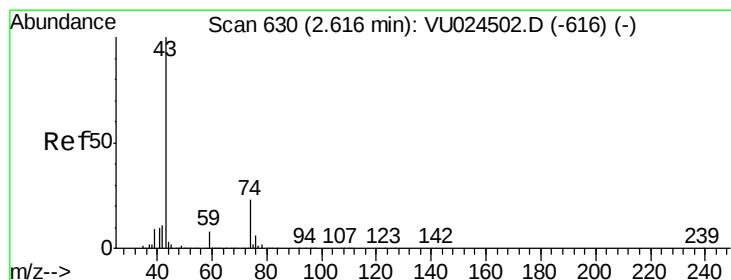
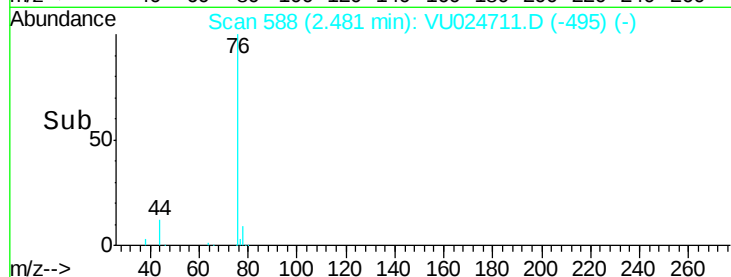
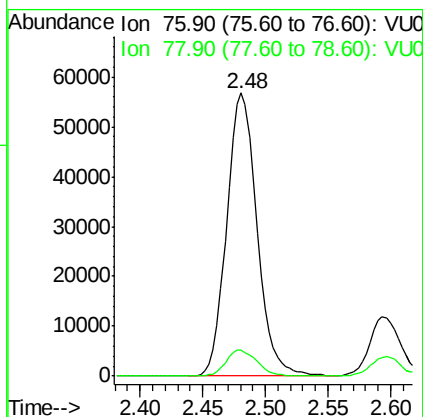
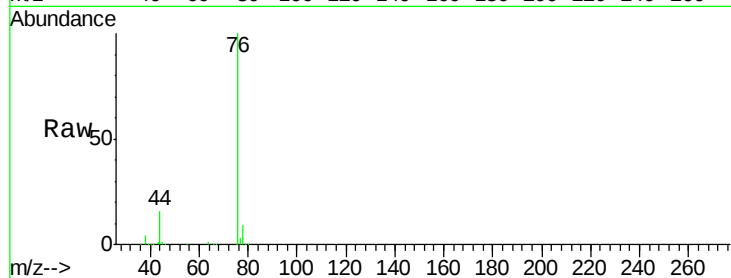




#17
Carbon Disulfide
Concen: 17.149 ug/l
RT: 2.48 min Scan# 588
Delta R.T. 0.00 min
Lab File: VU024711.D
Acq: 18 Jun 2018 23:53

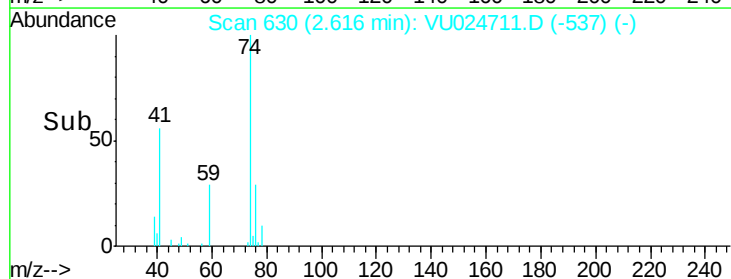
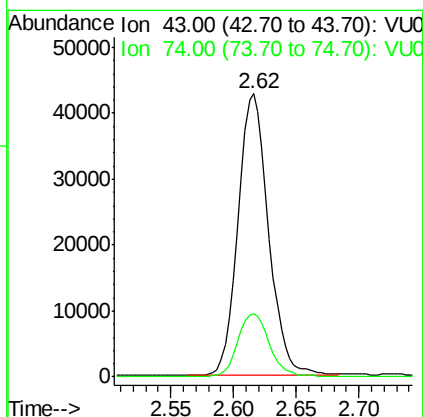
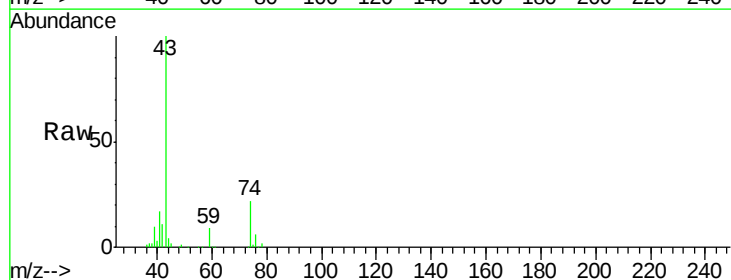
Instrument :
MSVOA_U
ClientSampleId :
VU0618WBS02

Tgt Ion: 76 Resp: 95318
Ion Ratio Lower Upper
76 100
78 9.0 7.1 10.7



#18
Methyl Acetate
Concen: 25.213 ug/l
RT: 2.62 min Scan# 630
Delta R.T. 0.00 min
Lab File: VU024711.D
Acq: 18 Jun 2018 23:53

Tgt Ion: 43 Resp: 72276
Ion Ratio Lower Upper
43 100
74 23.5 18.0 27.0

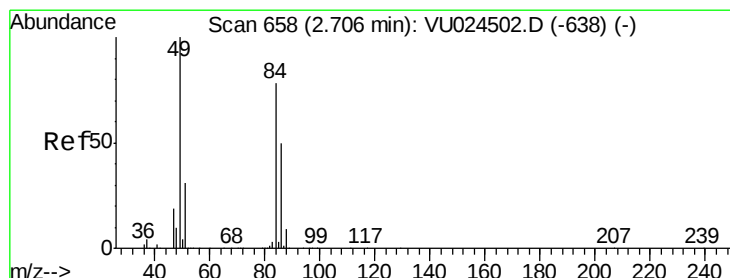
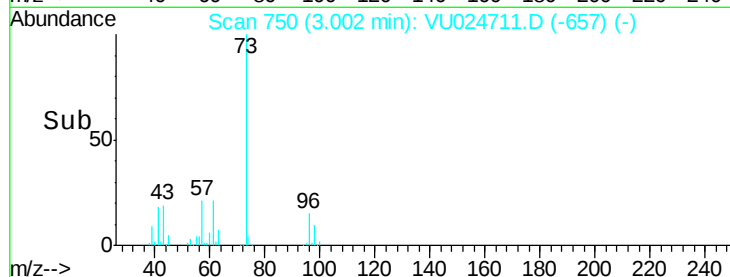
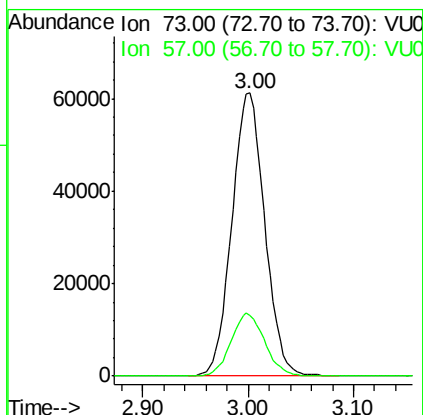
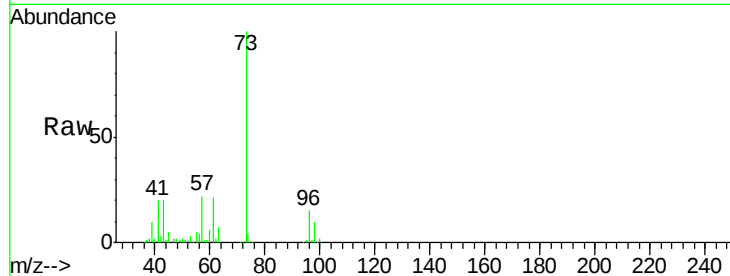




#19
Methyl tert-butyl Ether
Concen: 20.272 ug/l
RT: 3.00 min Scan# 750
Delta R.T. 0.00 min
Lab File: VU024711.D
Acq: 18 Jun 2018 23:53

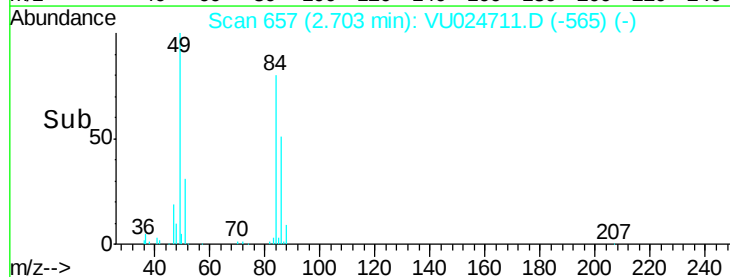
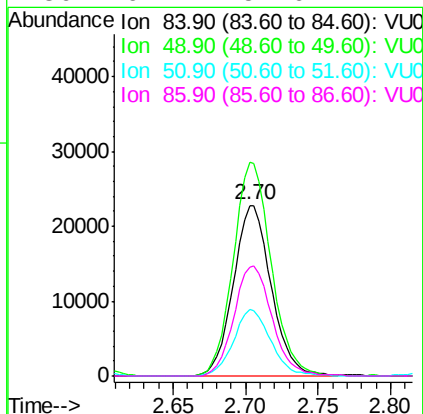
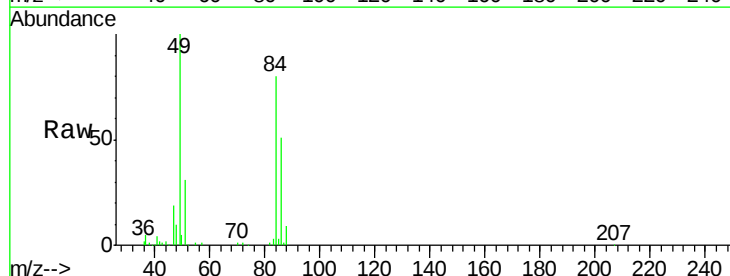
Instrument :
MSVOA_U
ClientSampleId :
VU0618WBS02

Tgt Ion: 73 Resp: 132275
Ion Ratio Lower Upper
73 100
57 21.6 18.8 28.2



#20
Methylene Chloride
Concen: 19.642 ug/l
RT: 2.70 min Scan# 657
Delta R.T. -0.00 min
Lab File: VU024711.D
Acq: 18 Jun 2018 23:53

Tgt Ion: 84 Resp: 41211
Ion Ratio Lower Upper
84 100
49 125.3 103.8 155.8
51 39.2 32.0 48.0
86 64.2 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 19.504 ug/l

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU024711.D

Acq: 18 Jun 2018 23:53

Instrument :

MSVOA_U

ClientSampleId :

VU0618WBS02

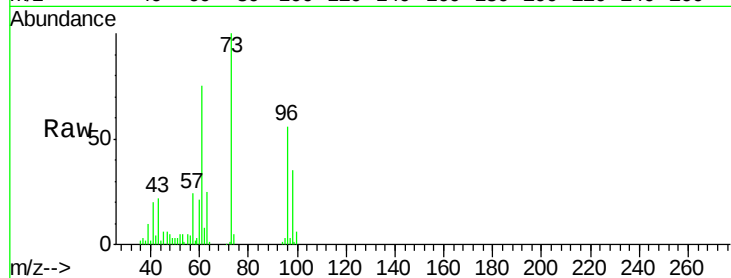
Tgt Ion: 96 Resp: 37289

Ion Ratio Lower Upper

96 100

61 132.9 119.4 179.0

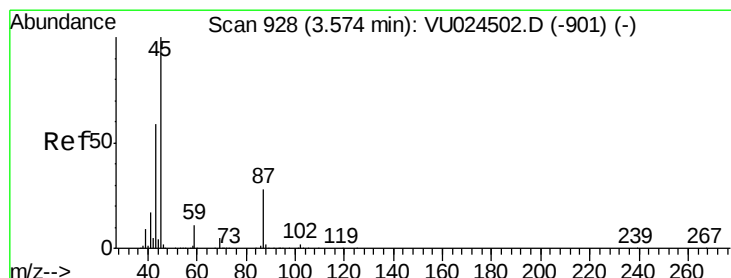
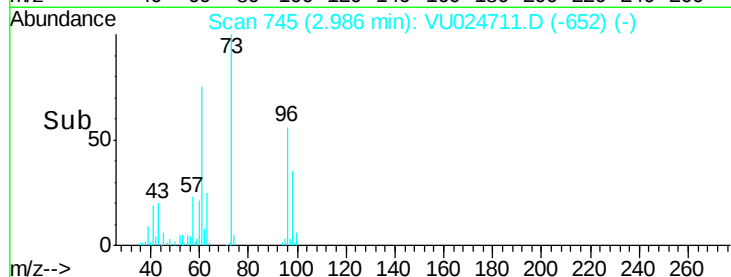
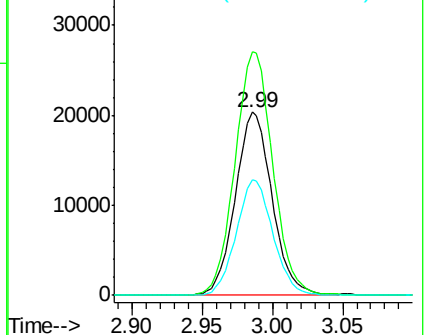
98 62.8 51.1 76.7



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: 20.747 ug/l

RT: 3.57 min Scan# 928

Delta R.T. 0.00 min

Lab File: VU024711.D

Acq: 18 Jun 2018 23:53

Tgt Ion: 45 Resp: 132554

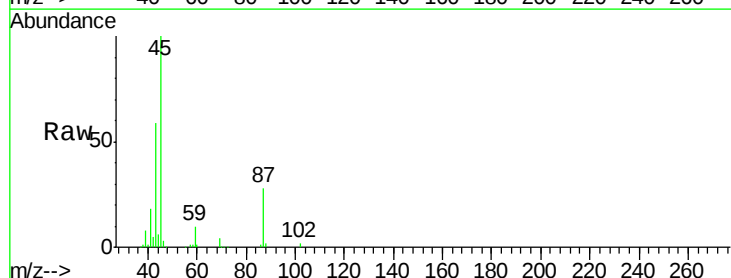
Ion Ratio Lower Upper

45 100

43 57.7 45.8 68.6

87 28.0 20.6 31.0

59 10.1 9.4 14.0

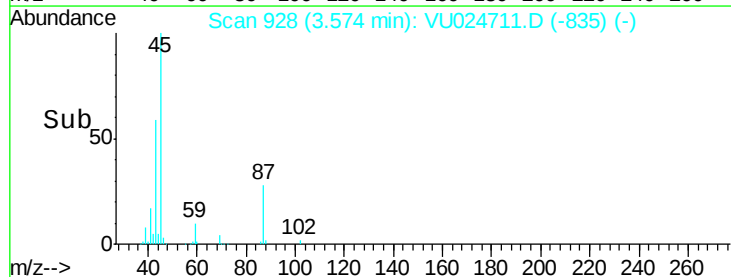
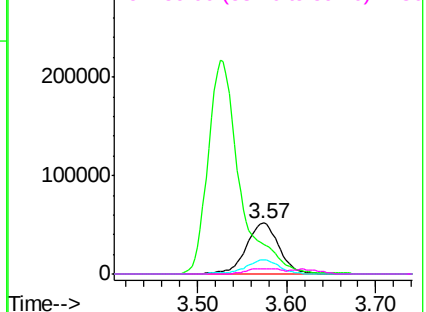


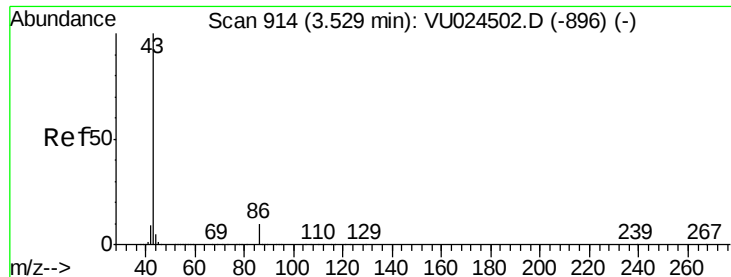
Abundance Ion 45.00 (44.70 to 45.70): VU0

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: 93.829 ug/l

RT: 3.53 min Scan# 913

Delta R.T. -0.00 min

Lab File: VU024711.D

Acq: 18 Jun 2018 23:53

Instrument :

MSVOA_U

ClientSampleId :

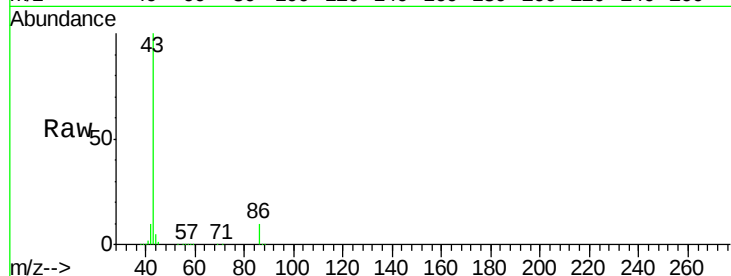
VU0618WBS02

Tgt Ion: 43 Resp: 537008

Ion Ratio Lower Upper

43 100

86 10.2 7.8 11.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

3.53

250000

200000

150000

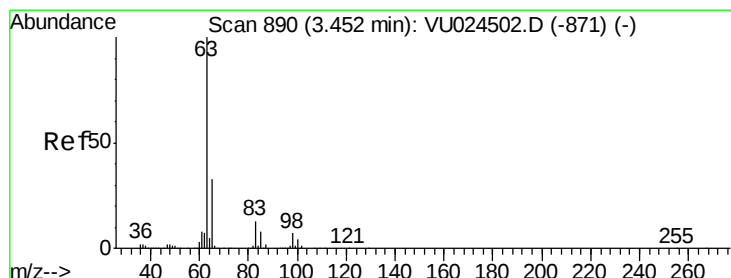
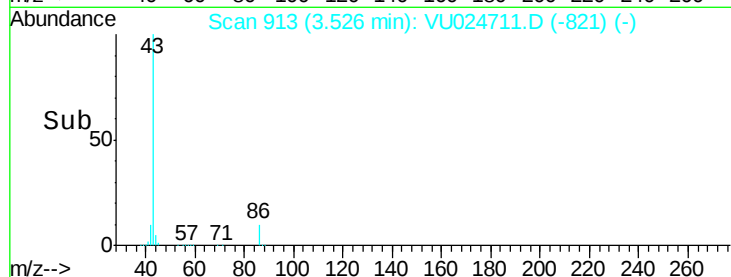
100000

50000

0

Time-->

3.40 3.50 3.60 3.70



#24

1,1-Dichloroethane

Concen: 20.431 ug/l

RT: 3.45 min Scan# 890

Delta R.T. 0.00 min

Lab File: VU024711.D

Acq: 18 Jun 2018 23:53

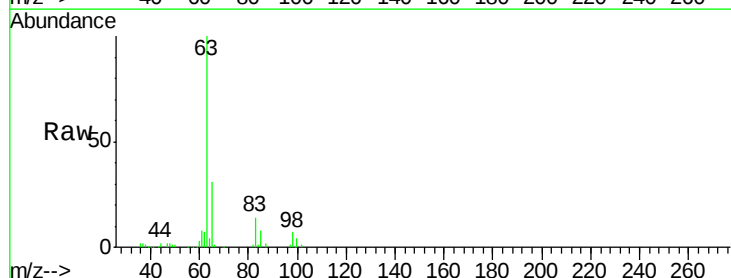
Tgt Ion: 63 Resp: 75092

Ion Ratio Lower Upper

63 100

98 6.8 3.5 10.4

100 3.7 1.8 5.5



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0

3.45

40000

30000

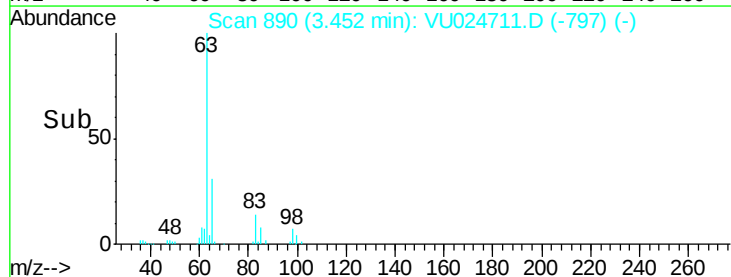
20000

10000

0

Time-->

3.35 3.40 3.45 3.50 3.55

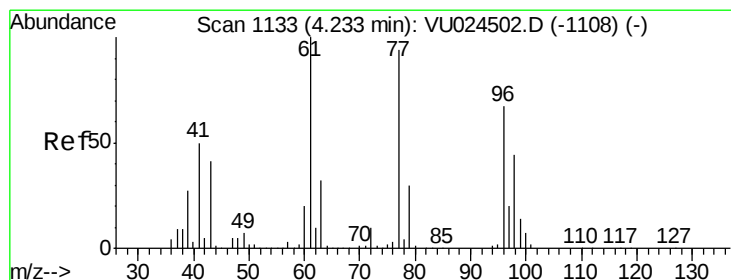
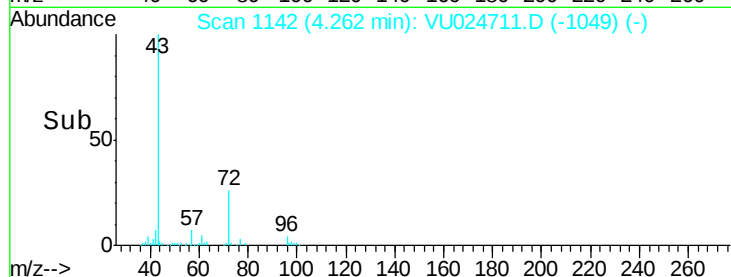
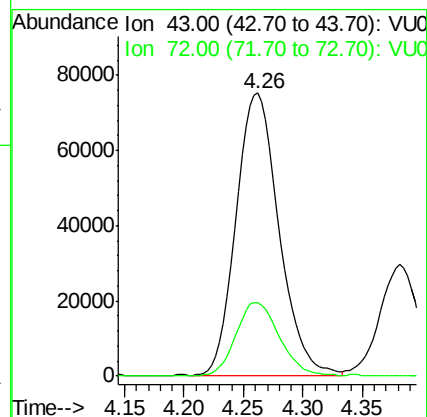
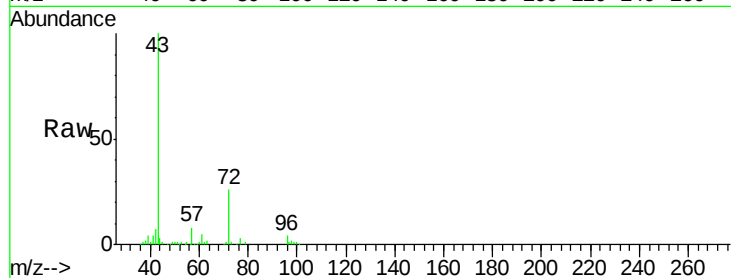




#25
 2-Butanone
 Concen: 104.238 ug/l
 RT: 4.26 min Scan# 1142
 Delta R.T. 0.00 min
 Lab File: VU024711.D
 Acq: 18 Jun 2018 23:53

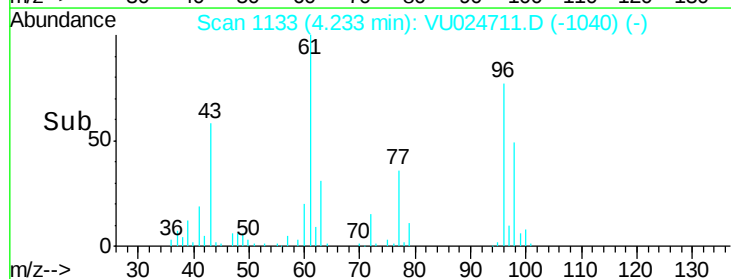
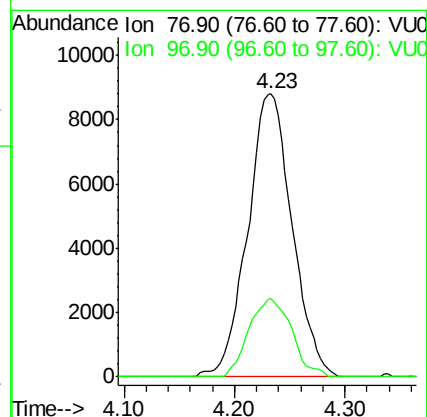
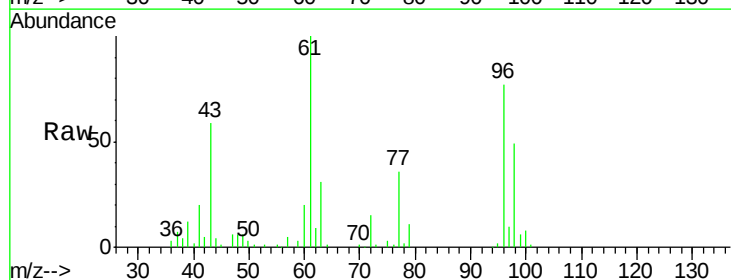
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0618WBS02

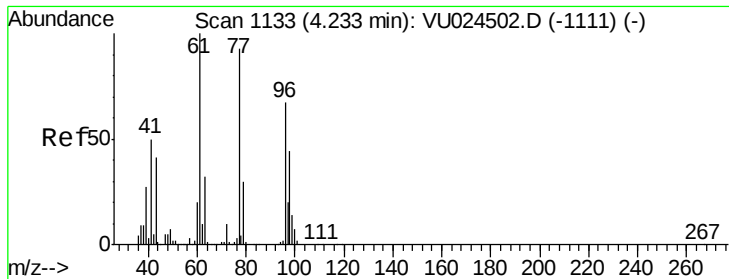
Tgt Ion: 43 Resp: 187227
 Ion Ratio Lower Upper
 43 100
 72 25.9 19.6 29.4



#26
 2,2-Dichloropropane
 Concen: 7.031 ug/l
 RT: 4.23 min Scan# 1133
 Delta R.T. 0.00 min
 Lab File: VU024711.D
 Acq: 18 Jun 2018 23:53

Tgt Ion: 77 Resp: 24539
 Ion Ratio Lower Upper
 77 100
 97 26.6 11.3 33.8





#27

cis-1,2-Dichloroethene

Concen: 20.339 ug/l

RT: 4.23 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VU024711.D

Acq: 18 Jun 2018 23:53

Instrument :

MSVOA_U

ClientSampleId :

VU0618WBS02

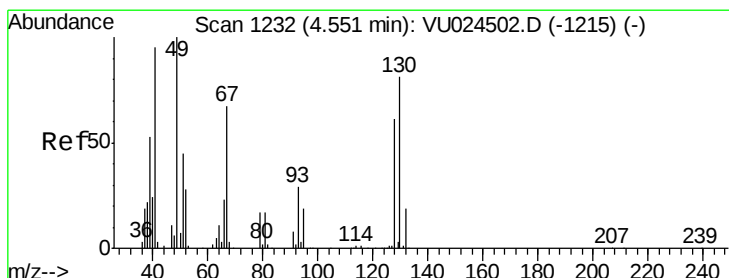
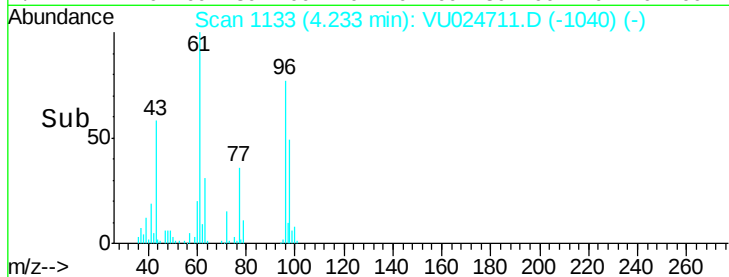
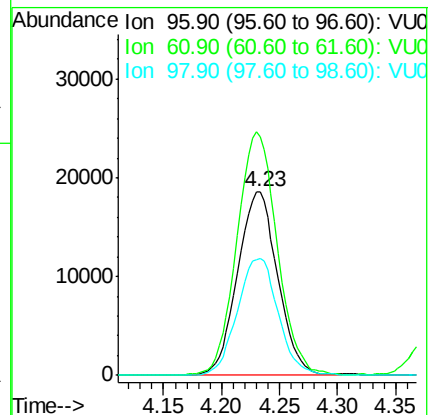
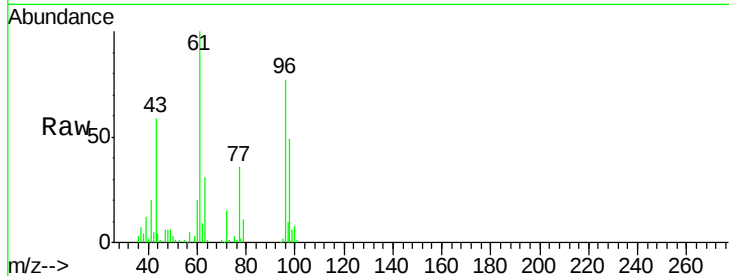
Tgt Ion: 96 Resp: 44704

Ion Ratio Lower Upper

96 100

61 133.0 0.0 306.6

98 64.8 0.0 128.8



#28

Bromochloromethane

Concen: 20.988 ug/l

RT: 4.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VU024711.D

Acq: 18 Jun 2018 23:53

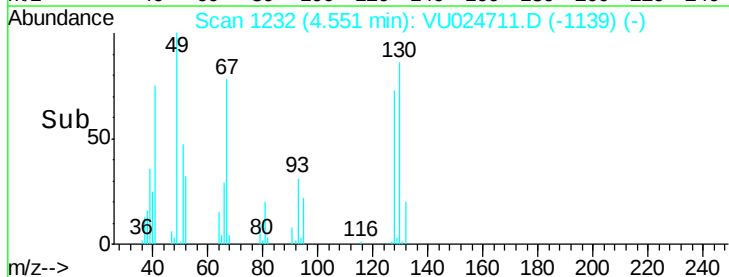
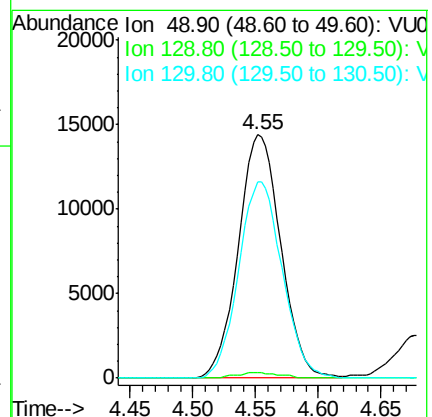
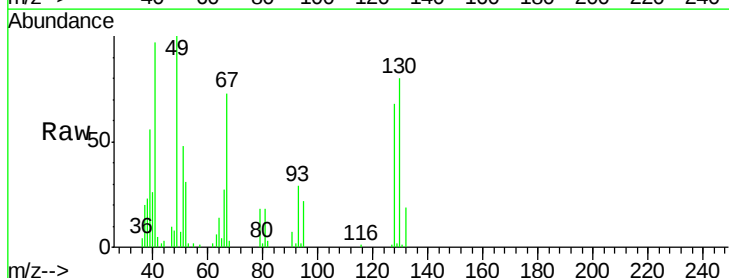
Tgt Ion: 49 Resp: 33977

Ion Ratio Lower Upper

49 100

129 2.2 0.0 3.8

130 82.8 57.8 86.6





#29

Tetrahydrofuran

Concen: 111.235 ug/l

RT: 4.63 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VU024711.D

Acq: 18 Jun 2018 23:53

Instrument :

MSVOA_U

ClientSampleId :

VU0618WBS02

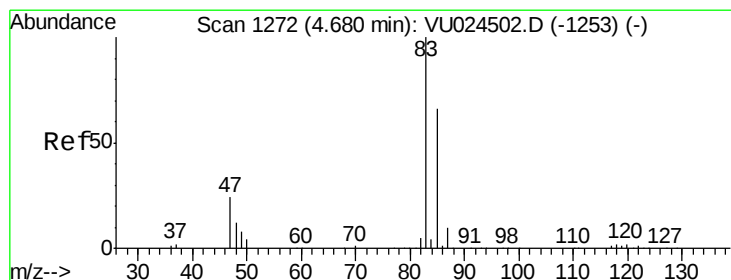
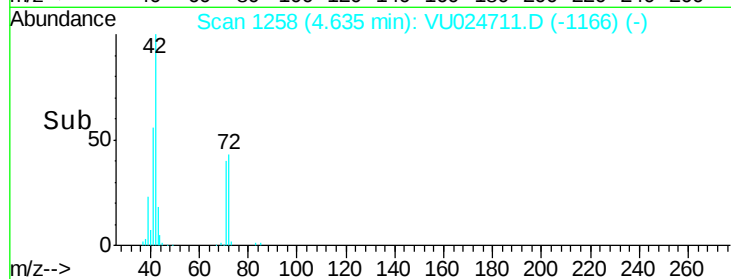
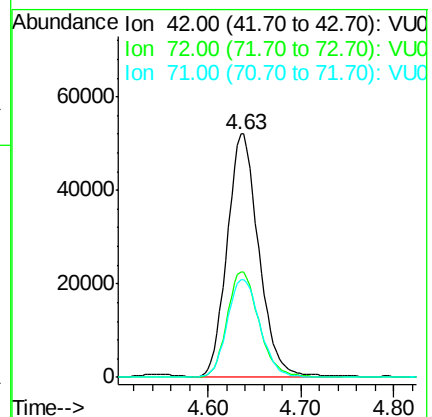
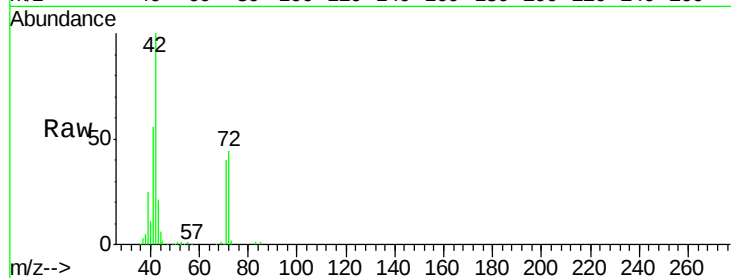
Tgt Ion: 42 Resp: 123726

Ion Ratio Lower Upper

42 100

72 43.5 34.5 51.7

71 41.3 32.2 48.4



#30

Chloroform

Concen: 20.381 ug/l

RT: 4.68 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VU024711.D

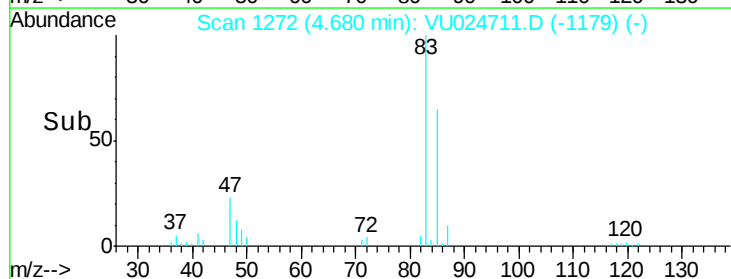
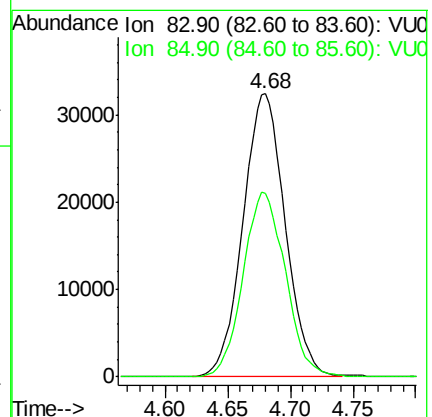
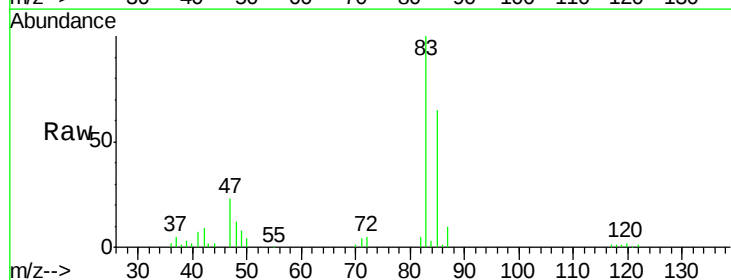
Acq: 18 Jun 2018 23:53

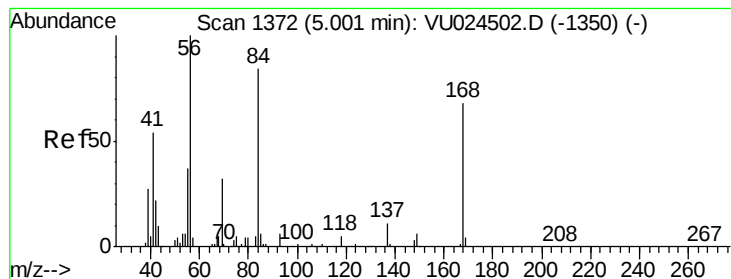
Tgt Ion: 83 Resp: 75820

Ion Ratio Lower Upper

83 100

85 65.0 52.4 78.6





#31

Cyclohexane

Concen: 19.297 ug/l

RT: 5.00 min Scan# 1372

Delta R.T. 0.00 min

Lab File: VU024711.D

Acq: 18 Jun 2018 23:53

Instrument :

MSVOA_U

ClientSampleId :

VU0618WBS02

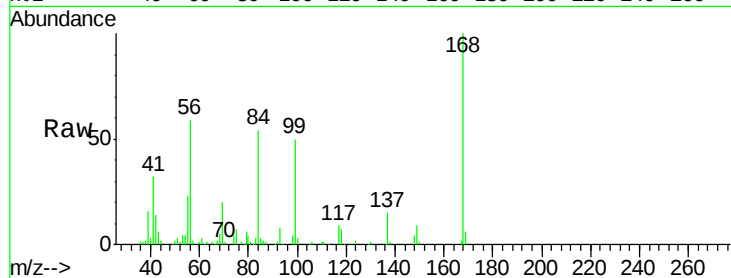
Tgt Ion: 56 Resp: 66939

Ion Ratio Lower Upper

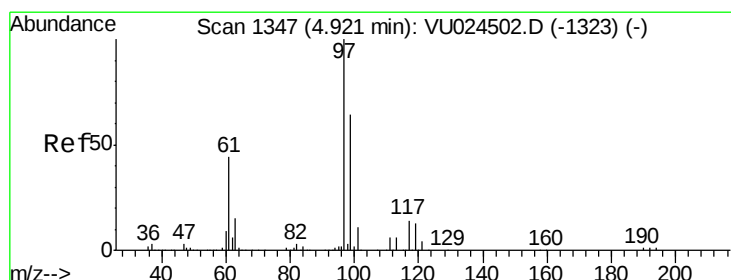
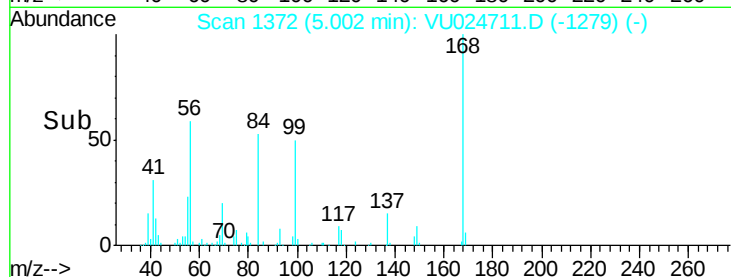
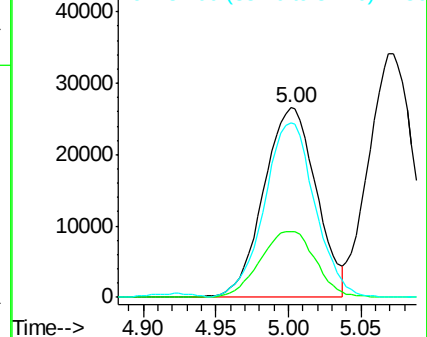
56 100

69 34.5 24.8 37.2

84 91.0 65.2 97.8



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: 19.137 ug/l

RT: 4.92 min Scan# 1347

Delta R.T. 0.00 min

Lab File: VU024711.D

Acq: 18 Jun 2018 23:53

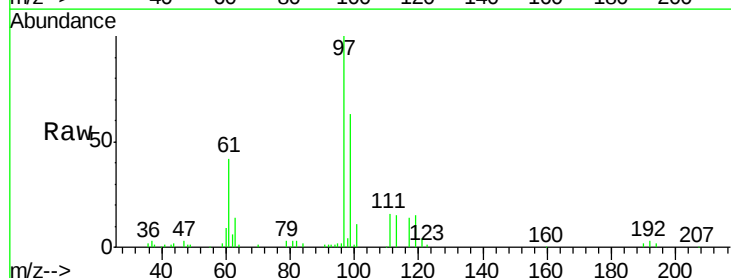
Tgt Ion: 97 Resp: 65833

Ion Ratio Lower Upper

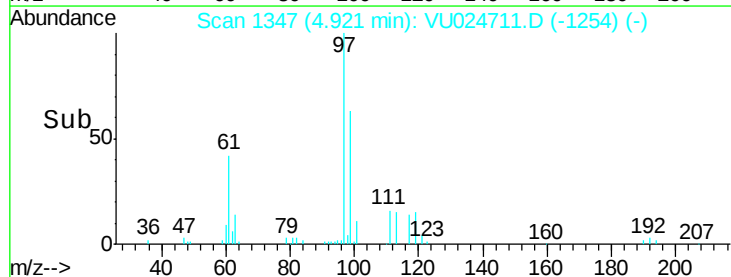
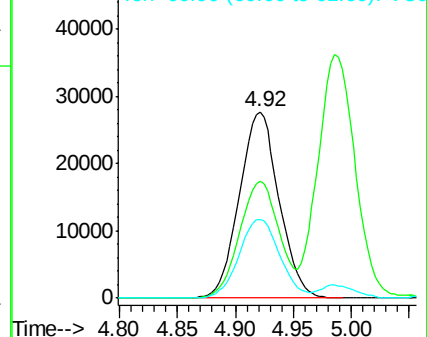
97 100

99 63.5 51.0 76.6

61 43.3 39.4 59.0



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: 48.700 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VU024711.D

Acq: 18 Jun 2018 23:53

Instrument :

MSVOA_U

ClientSampleId :

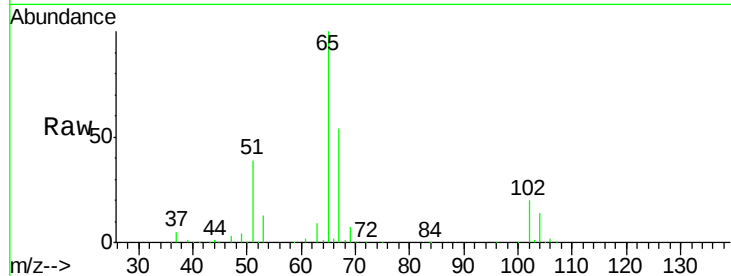
VU0618WBS02

Tgt Ion: 65 Resp: 121200

Ion Ratio Lower Upper

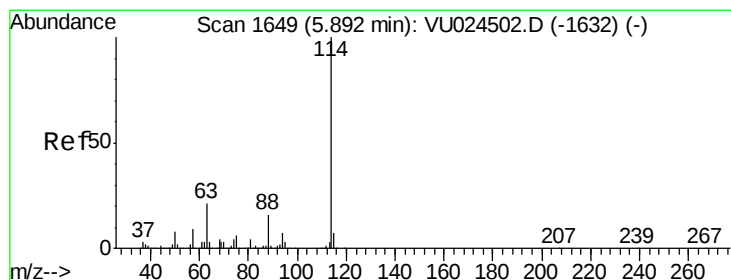
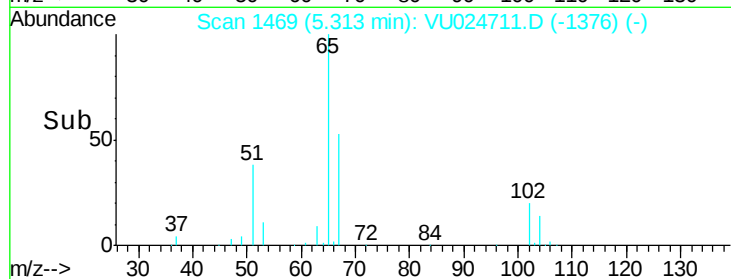
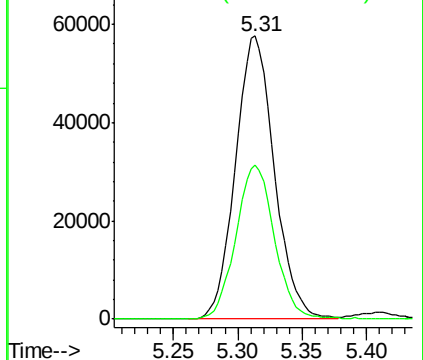
65 100

67 53.8 0.0 107.0



Abundance Ion 64.90 (64.60 to 65.60): VU0

Ion 66.90 (66.60 to 67.60): VU0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1649

Delta R.T. 0.00 min

Lab File: VU024711.D

Acq: 18 Jun 2018 23:53

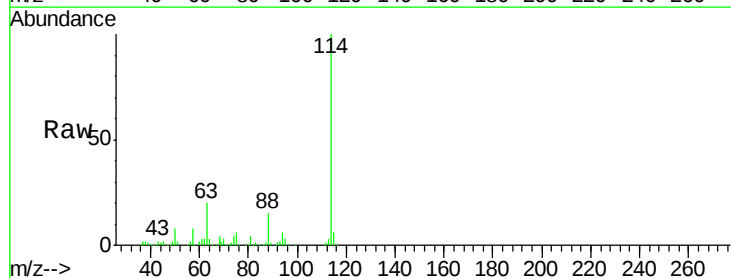
Tgt Ion: 114 Resp: 248244

Ion Ratio Lower Upper

114 100

63 19.7 0.0 45.4

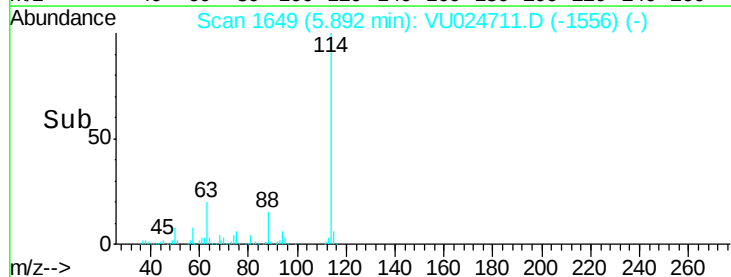
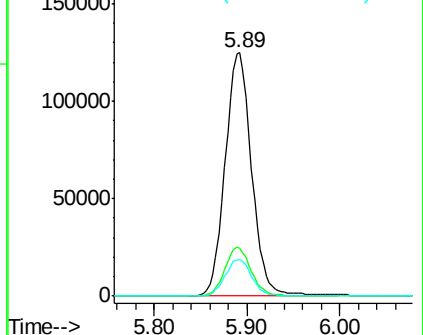
88 15.1 0.0 31.0



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

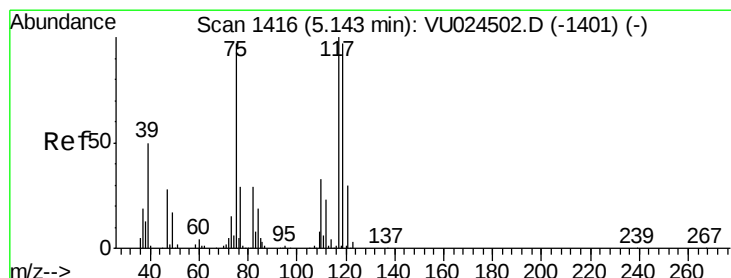
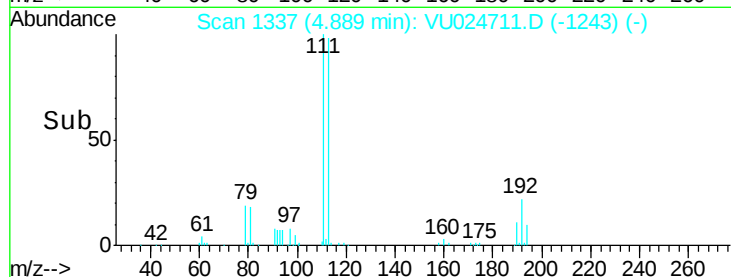
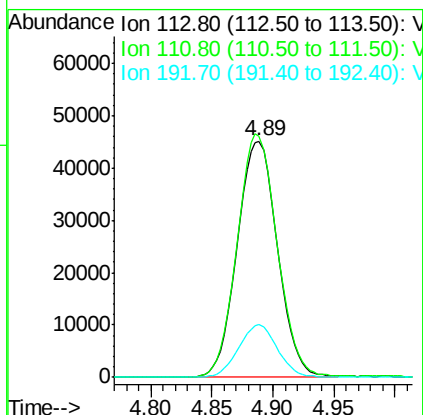
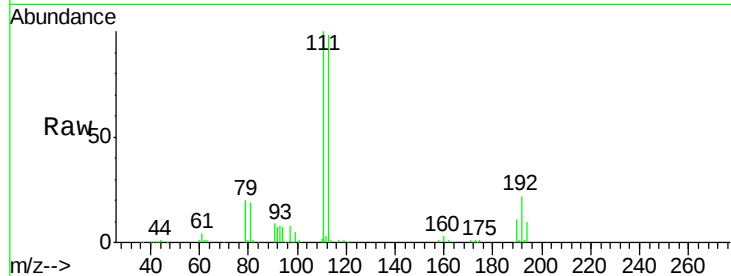




#35
 Dibromofluoromethane
 Concen: 50.059 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU024711.D
 Acq: 18 Jun 2018 23:53

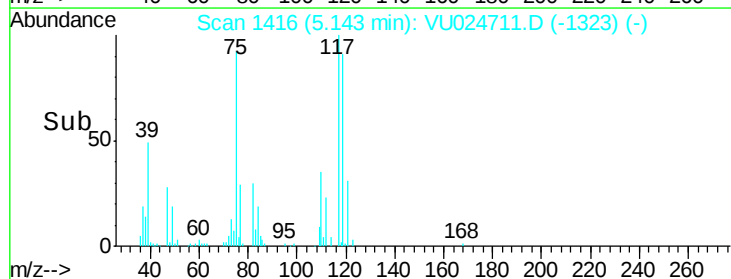
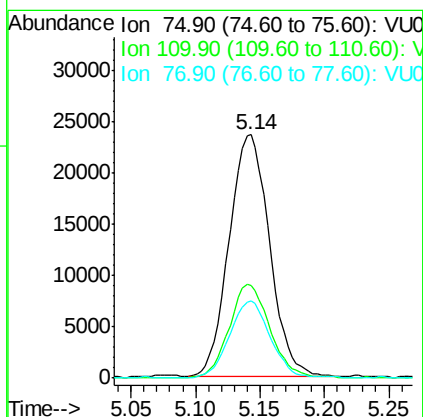
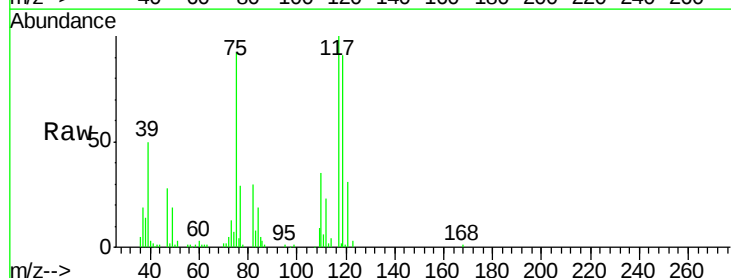
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0618WBS02

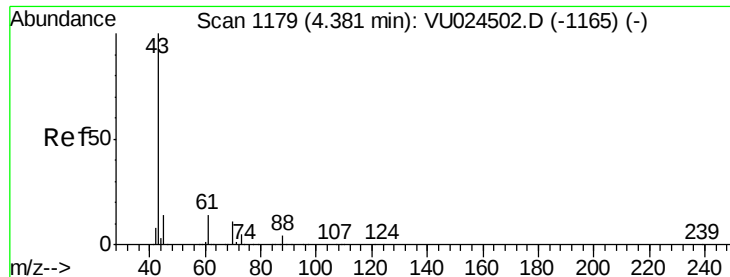
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.2	123.4
192	21.5	16.2	24.4



#36
 1,1-Dichloropropene
 Concen: 17.707 ug/l
 RT: 5.14 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VU024711.D
 Acq: 18 Jun 2018 23:53

Tgt Ion	Ratio	Lower	Upper
75	100		
110	39.0	17.0	50.9
77	32.0	24.2	36.4

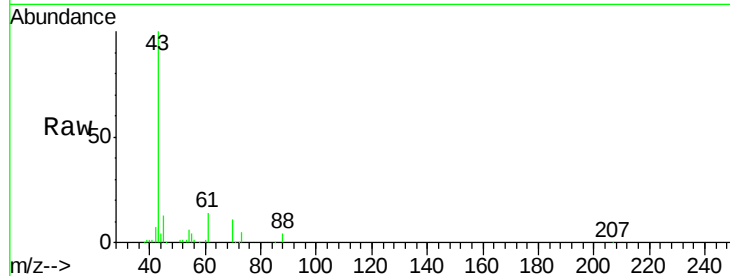




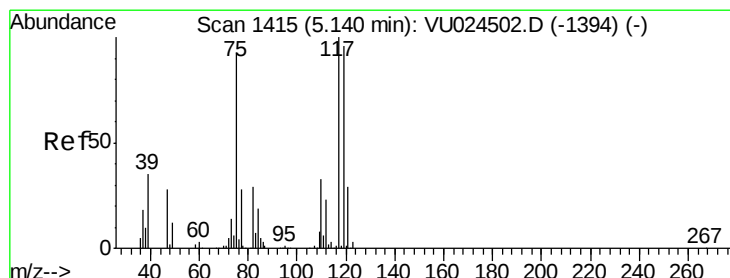
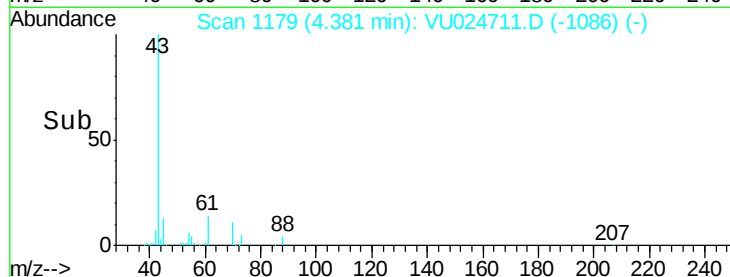
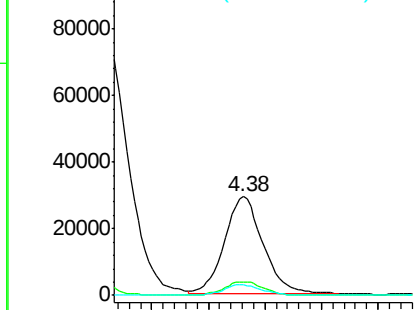
#37
 Ethyl Acetate
 Concen: 22.021 ug/l
 RT: 4.38 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VU024711.D
 Acq: 18 Jun 2018 23:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0618WBS02

Tgt Ion: 43 Resp: 70014
 Ion Ratio Lower Upper
 43 100
 61 14.3 10.5 15.7
 70 10.8 7.4 11.2

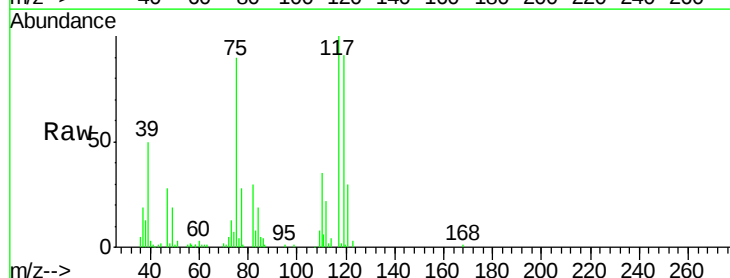


Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 60.90 (60.60 to 61.60): VU0
 Ion 70.00 (69.70 to 70.70): VU0

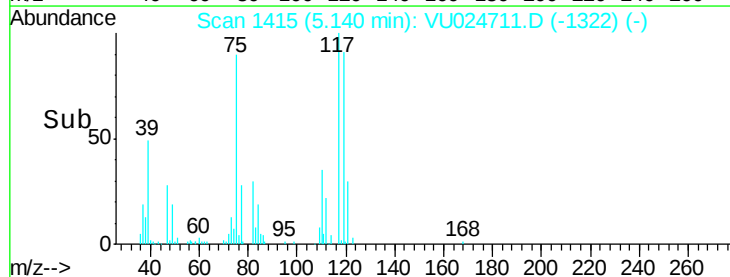
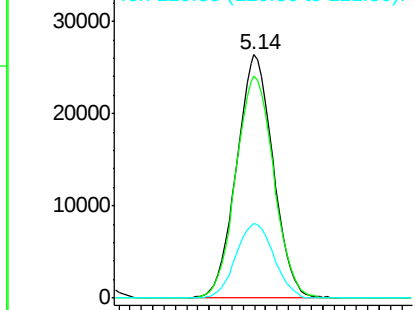


#38
 Carbon Tetrachloride
 Concen: 18.508 ug/l
 RT: 5.14 min Scan# 1415
 Delta R.T. 0.00 min
 Lab File: VU024711.D
 Acq: 18 Jun 2018 23:53

Tgt Ion: 117 Resp: 59370
 Ion Ratio Lower Upper
 117 100
 119 91.4 76.1 114.1
 121 30.4 23.7 35.5



Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 118.80 (118.50 to 119.50): V
 Ion 120.80 (120.50 to 121.50): V

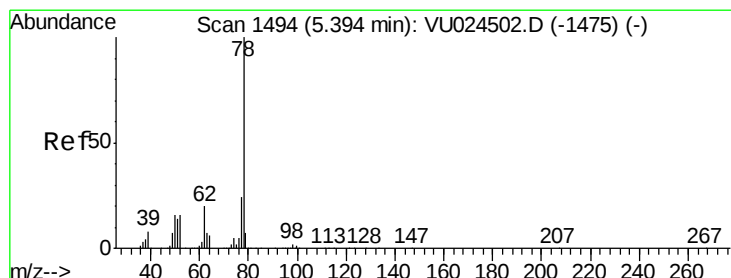
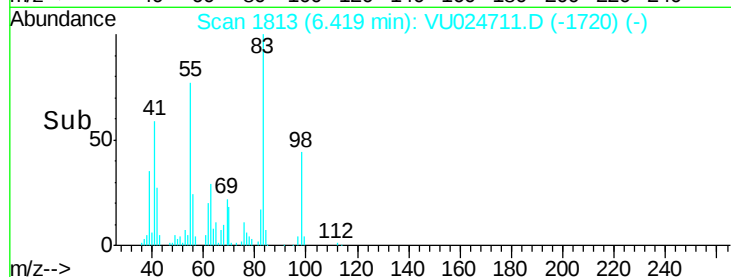
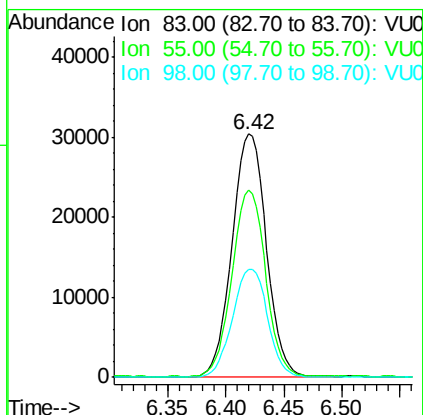
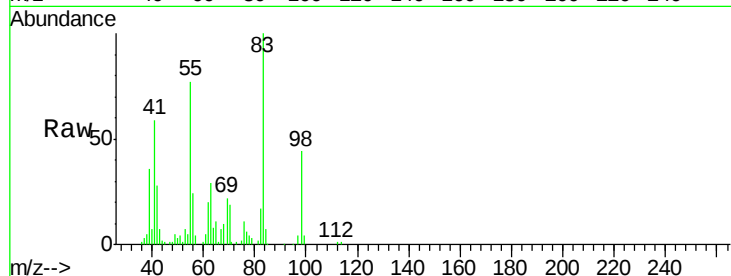




#39
Methylcyclohexane
Concen: 17.237 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU024711.D
Acq: 18 Jun 2018 23:53

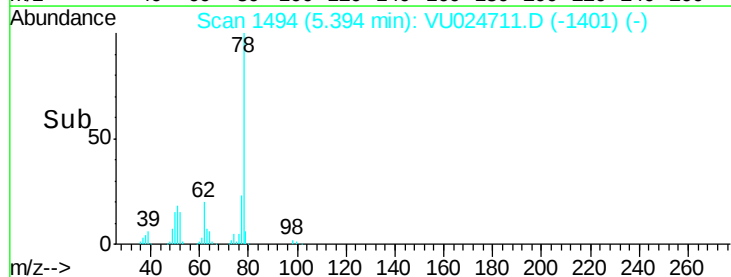
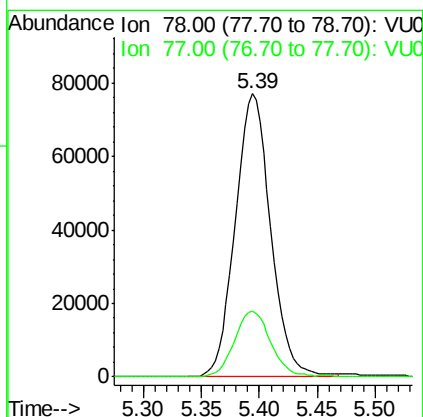
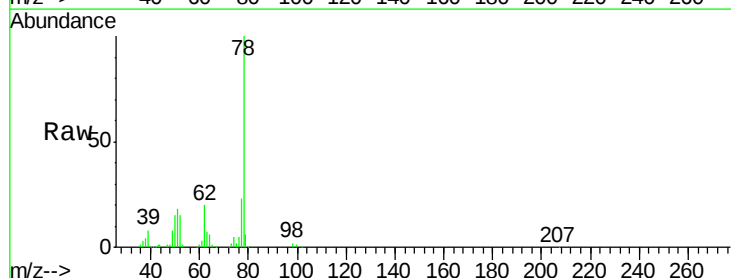
Instrument :
MSVOA_U
ClientSampleId :
VU0618WBS02

Tgt Ion: 83 Resp: 62747
Ion Ratio Lower Upper
83 100
55 76.7 65.8 98.6
98 44.2 36.7 55.1



#40
Benzene
Concen: 19.703 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU024711.D
Acq: 18 Jun 2018 23:53

Tgt Ion: 78 Resp: 163770
Ion Ratio Lower Upper
78 100
77 23.3 19.2 28.8





#41

Methacrylonitrile

Concen: 21.524 ug/l

RT: 4.54 min Scan# 1230

Delta R.T. 0.00 min

Lab File: VU024711.D

Acq: 18 Jun 2018 23:53

Instrument :

MSVOA_U

ClientSampleId :

VU0618WBS02

Tgt Ion: 41 Resp: 36897

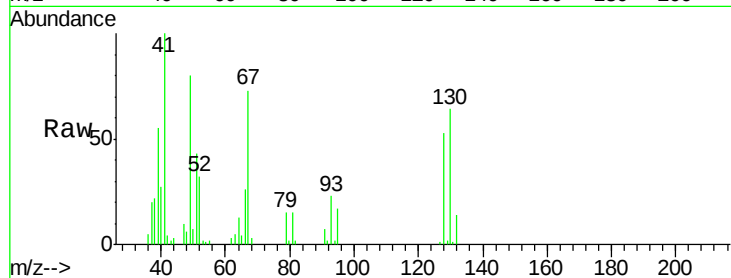
Ion Ratio Lower Upper

41 100

39 57.2 43.8 65.6

67 76.2 56.3 84.5

52 32.1 23.2 34.8

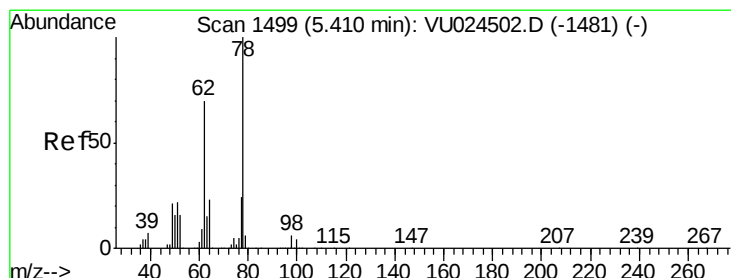
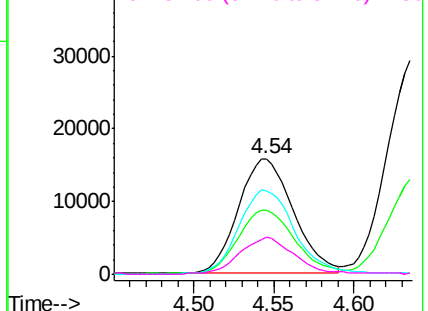
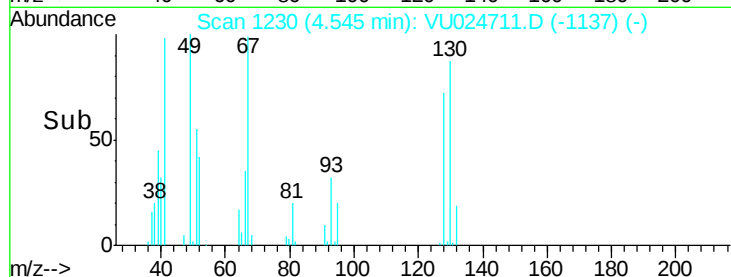


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 67.00 (66.70 to 67.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#42

1,2-Dichloroethane

Concen: 18.787 ug/l

RT: 5.41 min Scan# 1499

Delta R.T. 0.00 min

Lab File: VU024711.D

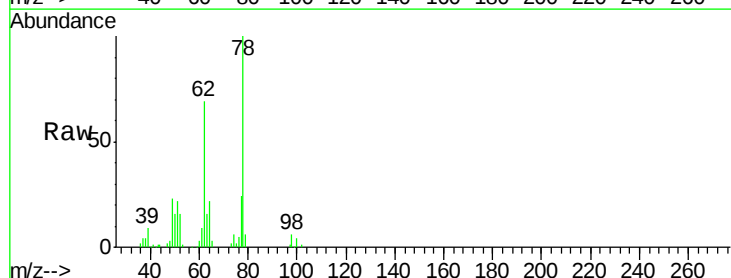
Acq: 18 Jun 2018 23:53

Tgt Ion: 62 Resp: 59475

Ion Ratio Lower Upper

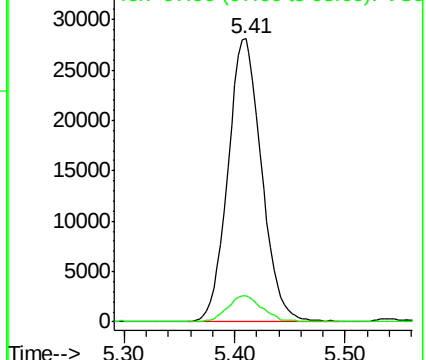
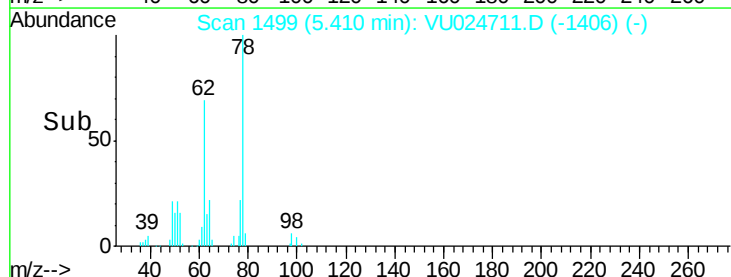
62 100

98 9.4 0.0 16.6



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

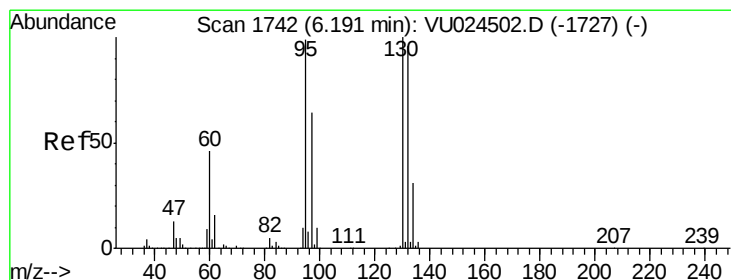
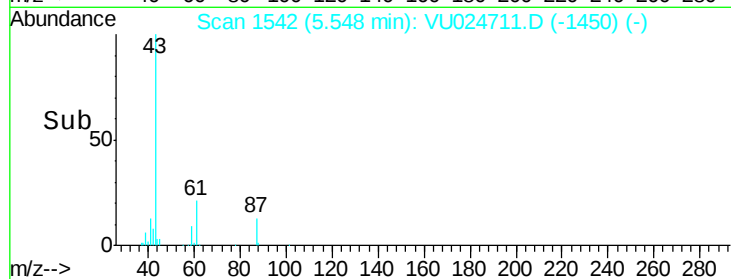
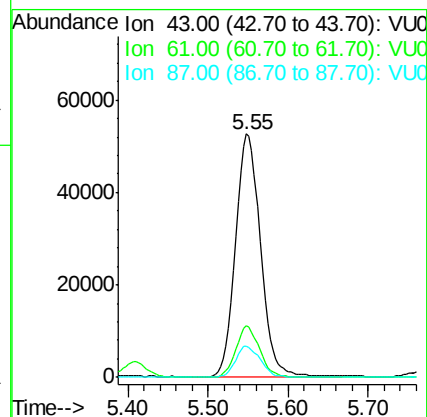
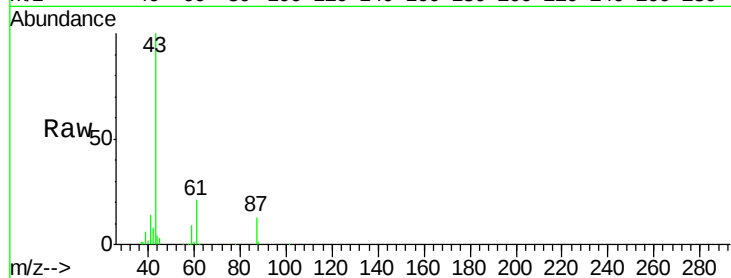




#43
Isopropyl Acetate
Concen: 20.230 ug/l
RT: 5.55 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VU024711.D
Acq: 18 Jun 2018 23:53

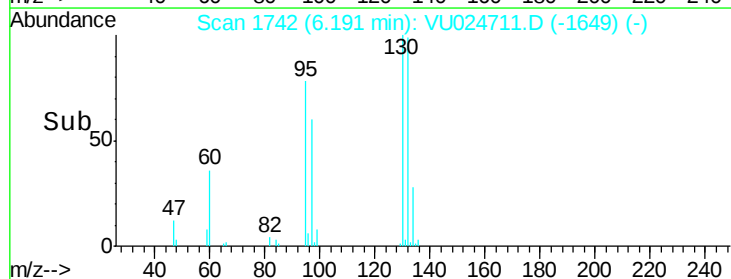
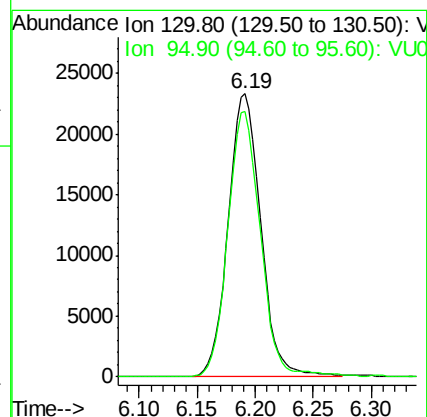
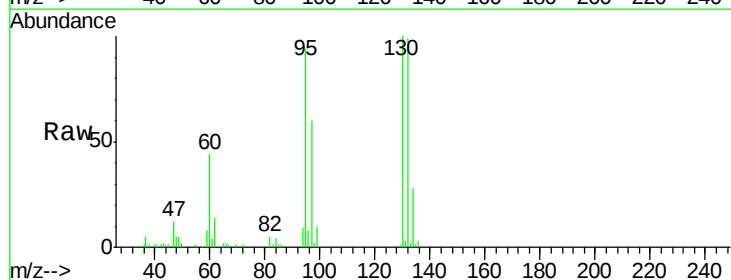
Instrument :
MSVOA_U
ClientSampleId :
VU0618WBS02

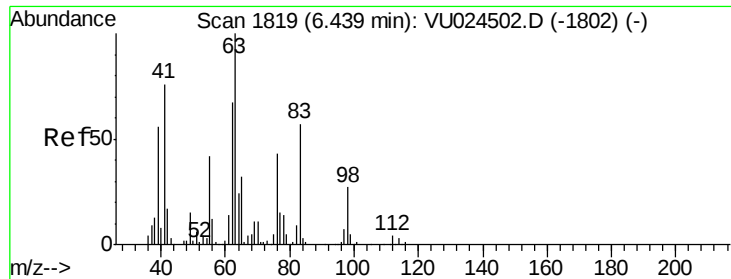
Tgt Ion: 43 Resp: 111180
Ion Ratio Lower Upper
43 100
61 20.0 15.4 23.0
87 12.6 10.0 15.0



#44
Trichloroethene
Concen: 19.139 ug/l
RT: 6.19 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VU024711.D
Acq: 18 Jun 2018 23:53

Tgt Ion: 130 Resp: 45274
Ion Ratio Lower Upper
130 100
95 93.9 0.0 202.4

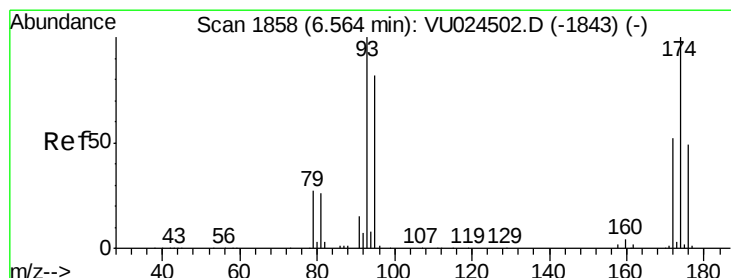
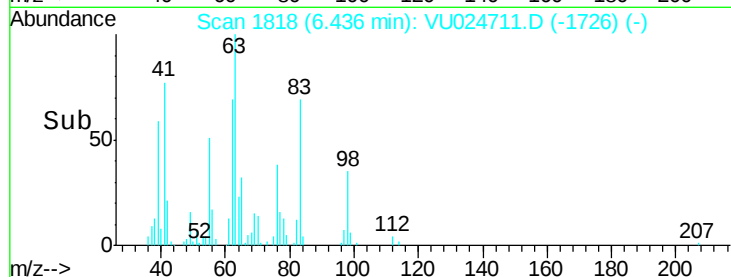
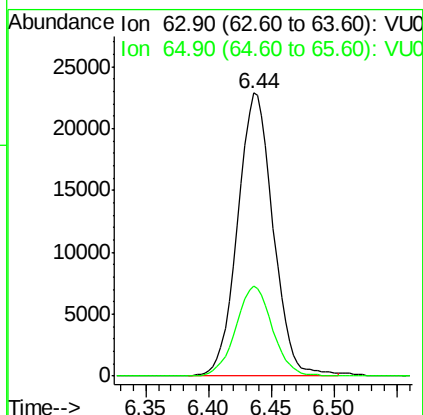
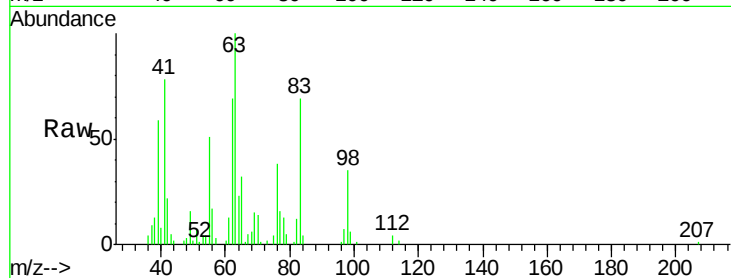




#45
 1,2-Dichloropropane
 Concen: 20.355 ug/l
 RT: 6.44 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VU024711.D
 Acq: 18 Jun 2018 23:53

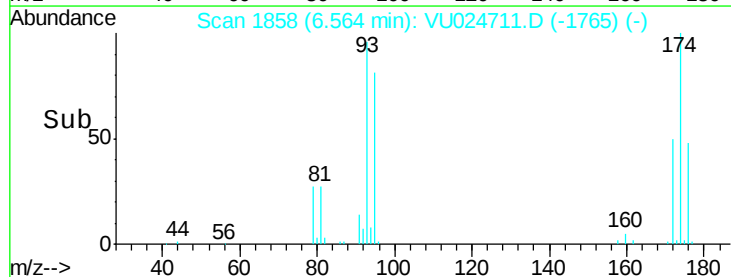
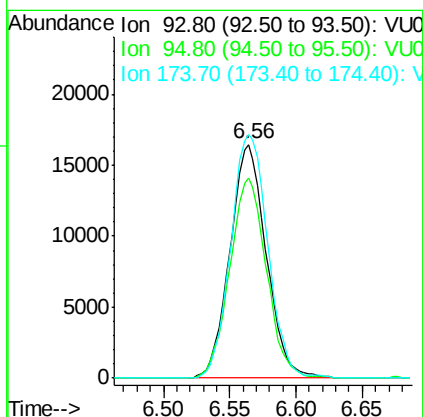
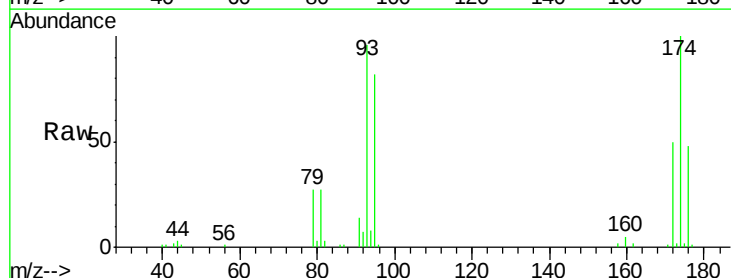
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0618WBS02

Tgt Ion: 63 Resp: 45145
 Ion Ratio Lower Upper
 63 100
 65 31.8 24.8 37.2



#46
 Dibromomethane
 Concen: 20.114 ug/l
 RT: 6.56 min Scan# 1858
 Delta R.T. 0.00 min
 Lab File: VU024711.D
 Acq: 18 Jun 2018 23:53

Tgt Ion: 93 Resp: 31334
 Ion Ratio Lower Upper
 93 100
 95 86.0 65.5 98.3
 174 106.1 78.7 118.1





#47

Bromodichloromethane

Concen: 18.890 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU024711.D

Acq: 18 Jun 2018 23:53

Instrument :

MSVOA_U

ClientSampleId :

VU0618WBS02

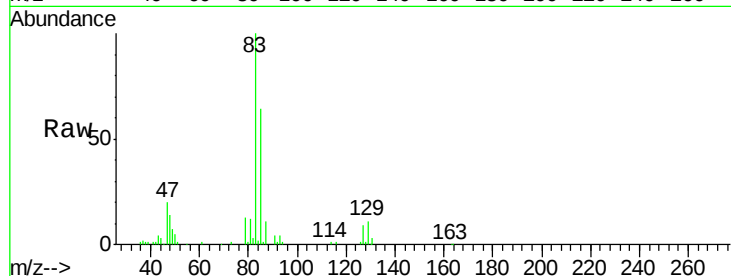
Tgt Ion: 83 Resp: 58600

Ion Ratio Lower Upper

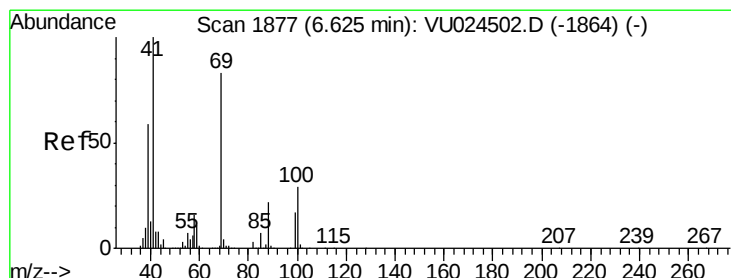
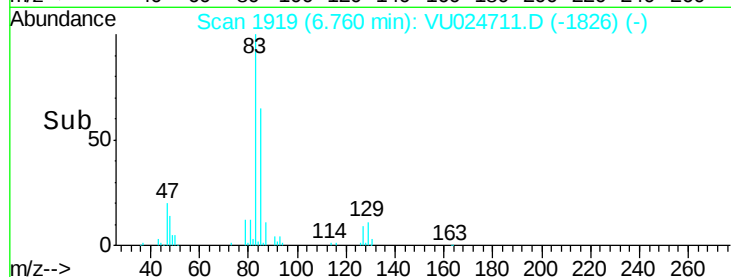
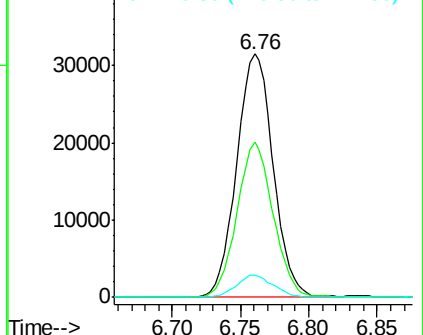
83 100

85 63.6 51.9 77.9

127 9.0 6.6 9.8



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: 20.029 ug/l

RT: 6.63 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VU024711.D

Acq: 18 Jun 2018 23:53

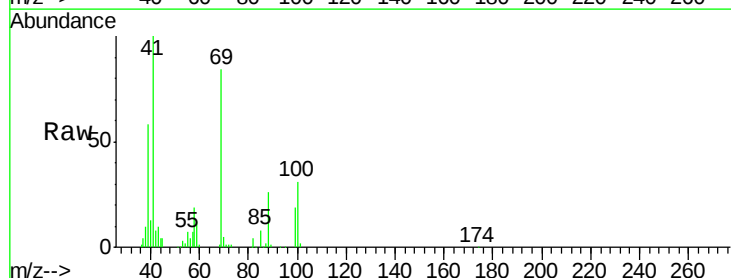
Tgt Ion: 41 Resp: 53598

Ion Ratio Lower Upper

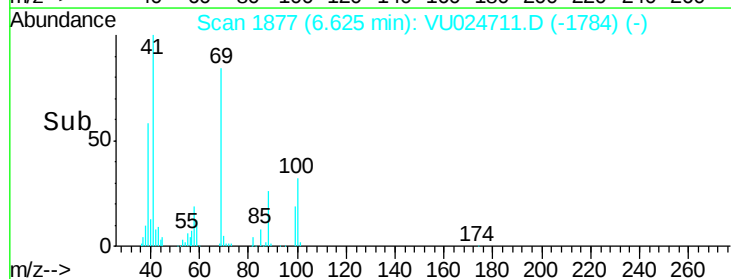
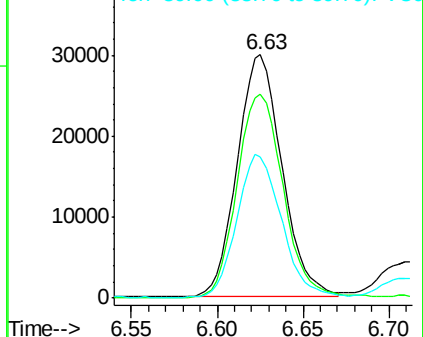
41 100

69 88.3 67.3 100.9

39 60.3 46.5 69.7



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

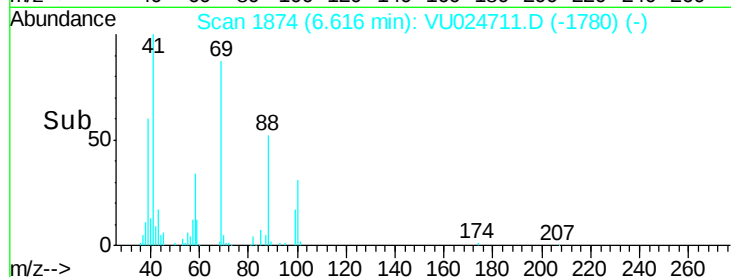
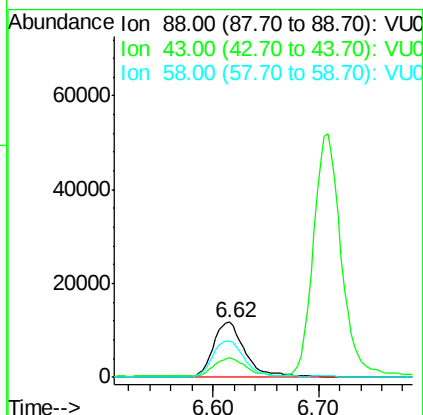
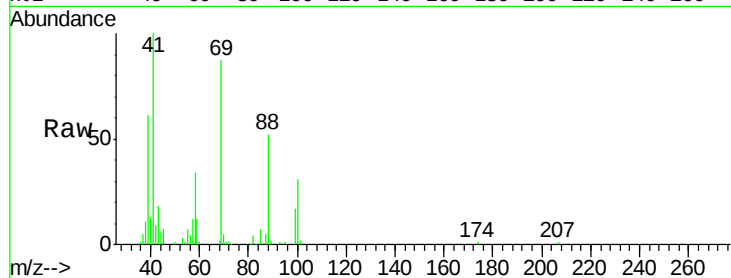




#49
 1,4-Dioxane
 Concen: 475.521 ug/l
 RT: 6.62 min Scan# 1874
 Delta R.T. 0.00 min
 Lab File: VU024711.D
 Acq: 18 Jun 2018 23:53

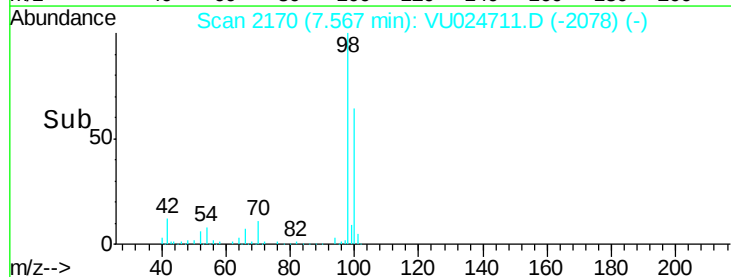
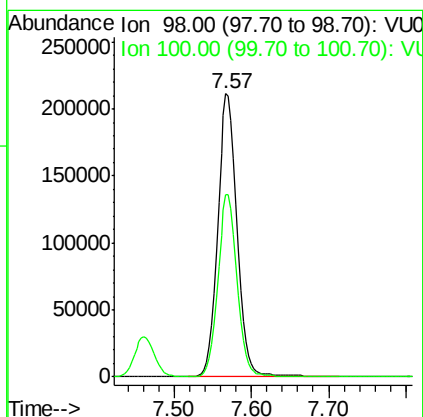
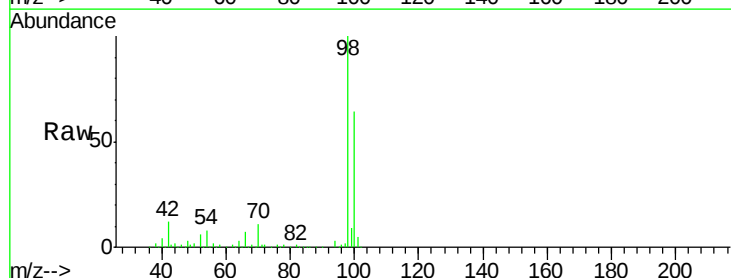
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0618WBS02

Tgt Ion: 88 Resp: 24886
 Ion Ratio Lower Upper
 88 100
 43 31.8 28.6 42.8
 58 67.8 58.2 87.4



#50
 Toluene-d8
 Concen: 49.568 ug/l
 RT: 7.57 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VU024711.D
 Acq: 18 Jun 2018 23:53

Tgt Ion: 98 Resp: 372496
 Ion Ratio Lower Upper
 98 100
 100 63.5 51.1 76.7

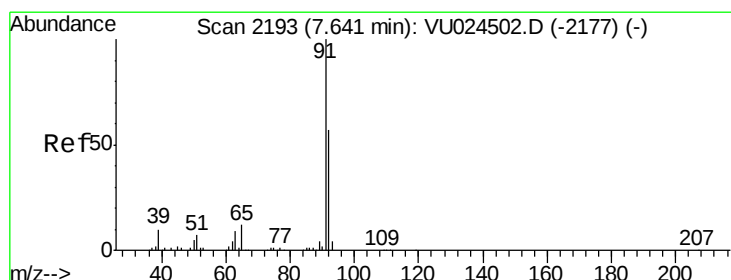
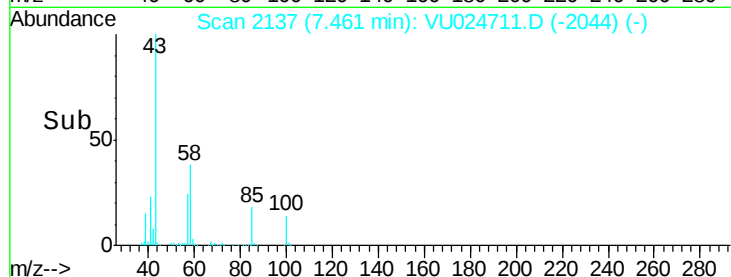
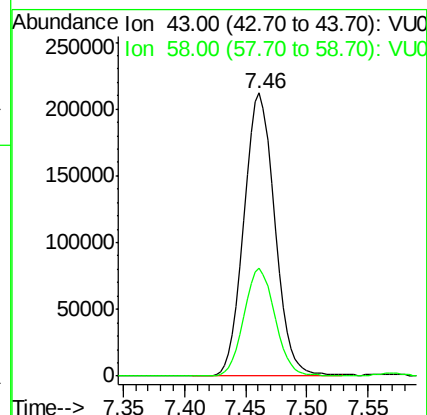
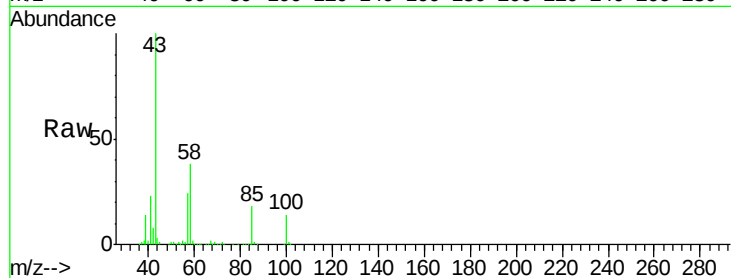




#51
 4-Methyl-2-Pentanone
 Concen: 107.098 ug/l
 RT: 7.46 min Scan# 2137
 Delta R.T. 0.00 min
 Lab File: VU024711.D
 Acq: 18 Jun 2018 23:53

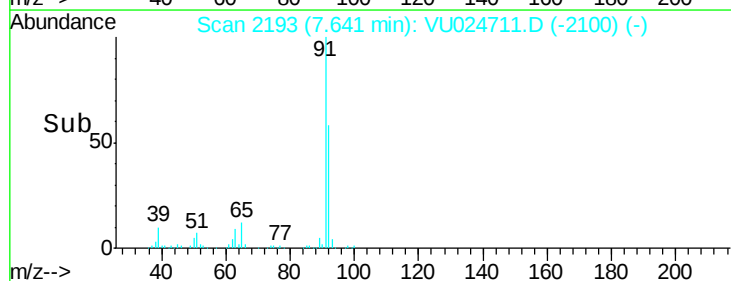
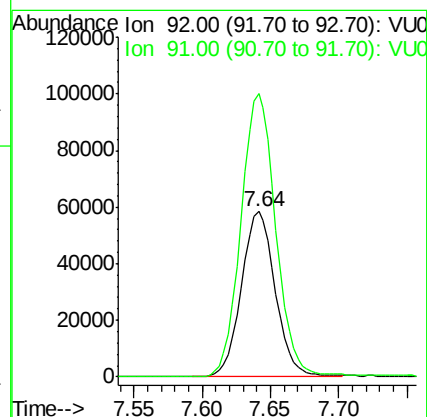
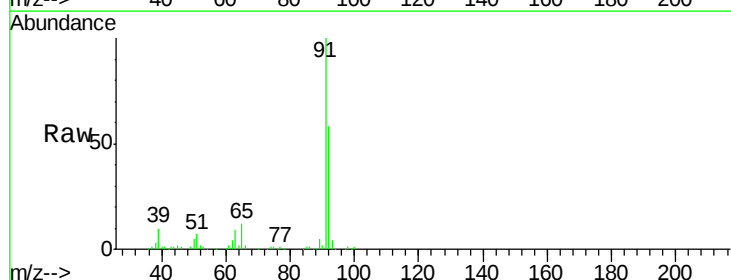
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0618WBS02

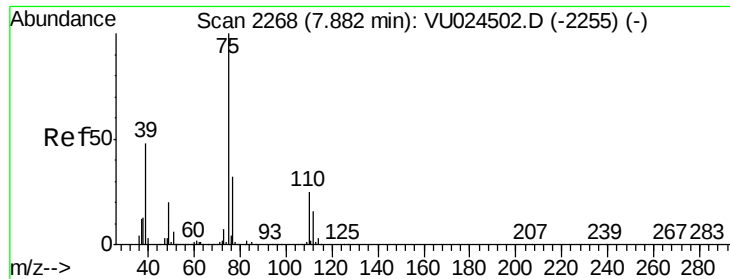
Tgt Ion: 43 Resp: 369776
 Ion Ratio Lower Upper
 43 100
 58 38.4 30.0 45.0



#52
 Toluene
 Concen: 18.835 ug/l
 RT: 7.64 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VU024711.D
 Acq: 18 Jun 2018 23:53

Tgt Ion: 92 Resp: 100723
 Ion Ratio Lower Upper
 92 100
 91 176.9 140.5 210.7





#53

t-1,3-Dichloropropene

Concen: 16.282 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU024711.D

Acq: 18 Jun 2018 23:53

Instrument :

MSVOA_U

ClientSampleId :

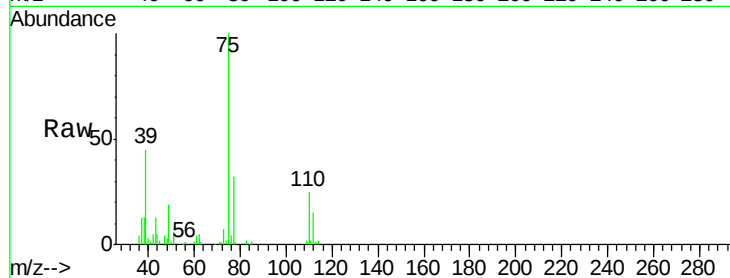
VU0618WBS02

Tgt Ion: 75 Resp: 56721

Ion Ratio Lower Upper

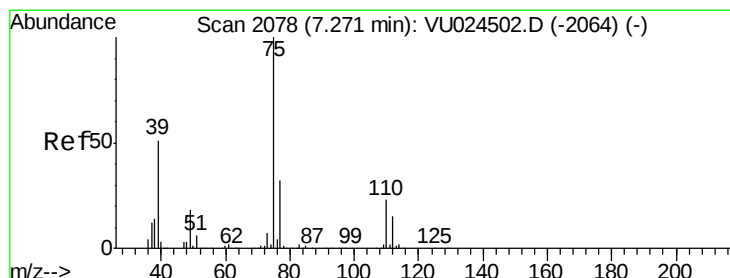
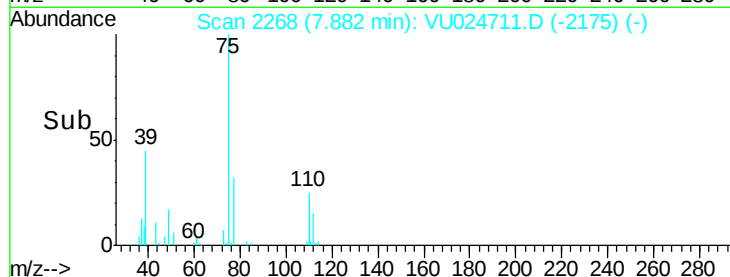
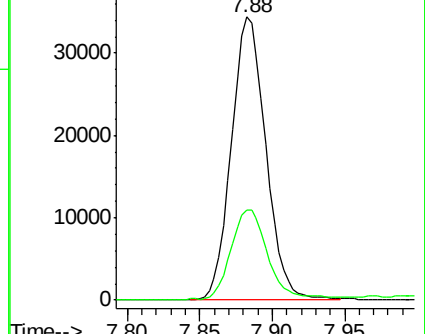
75 100

77 31.6 24.8 37.2



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0



#54

cis-1,3-Dichloropropene

Concen: 16.183 ug/l

RT: 7.27 min Scan# 2079

Delta R.T. 0.00 min

Lab File: VU024711.D

Acq: 18 Jun 2018 23:53

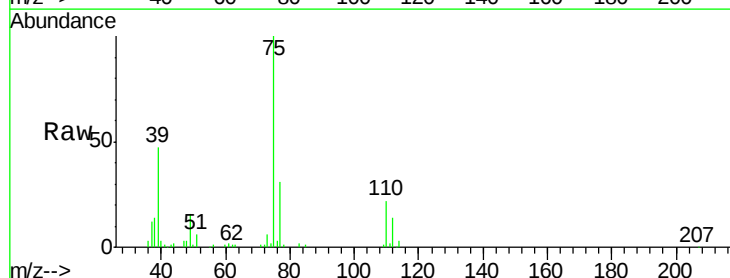
Tgt Ion: 75 Resp: 60072

Ion Ratio Lower Upper

75 100

77 31.1 24.6 36.8

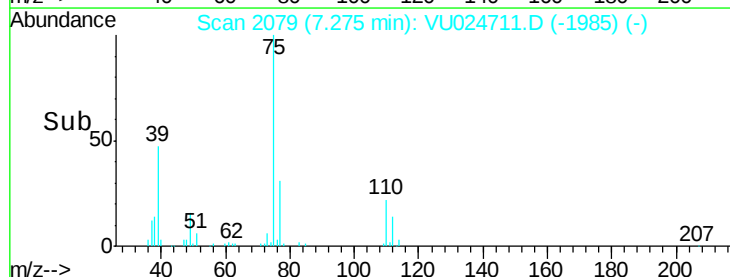
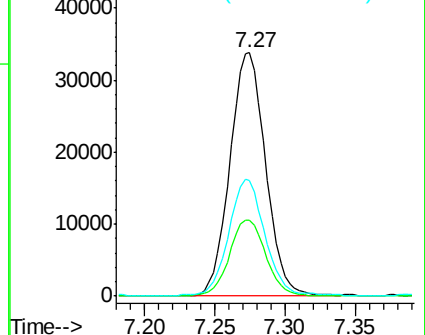
39 47.0 39.8 59.6

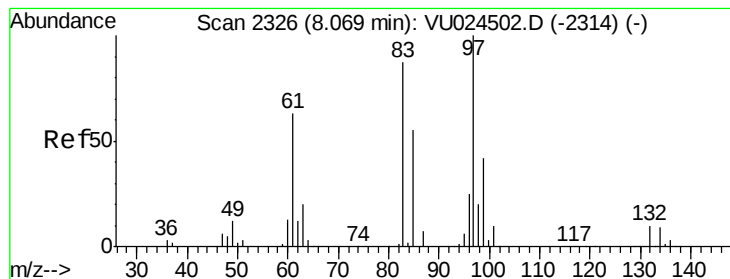


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0





#55

1,1,2-Trichloroethane

Concen: 20.376 ug/l

RT: 8.07 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VU024711.D

Acq: 18 Jun 2018 23:53

Instrument :

MSVOA_U

ClientSampleId :

VU0618WBS02

Tgt Ion: 97 Resp: 44293

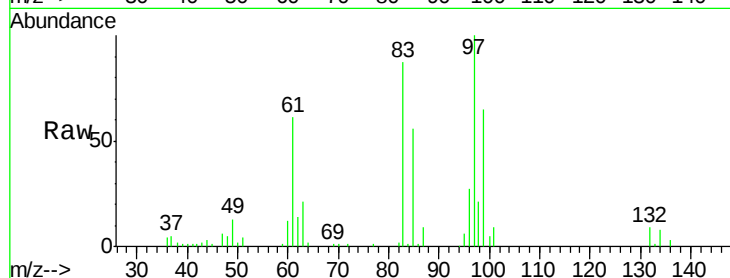
Ion Ratio Lower Upper

97 100

83 87.2 70.5 105.7

85 56.2 46.4 69.6

99 64.6 50.2 75.2

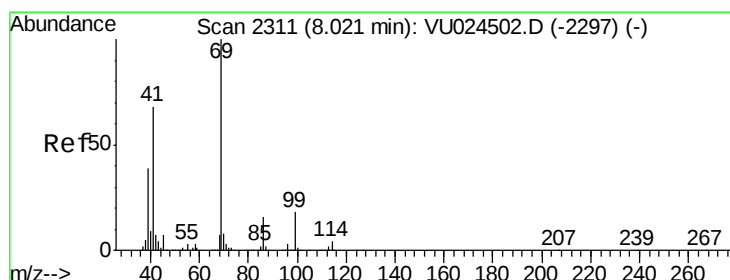
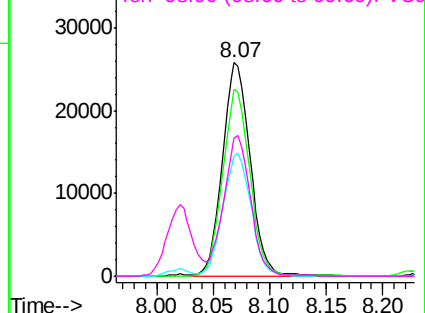
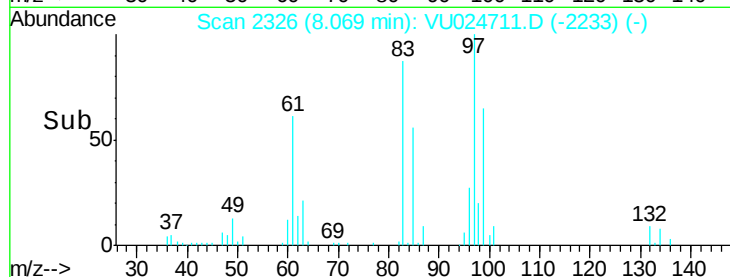


Abundance Ion 96.90 (96.60 to 97.60): VU0

Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0

Ion 98.90 (98.60 to 99.60): VU0



#56

Ethyl methacrylate

Concen: 20.306 ug/l

RT: 8.02 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VU024711.D

Acq: 18 Jun 2018 23:53

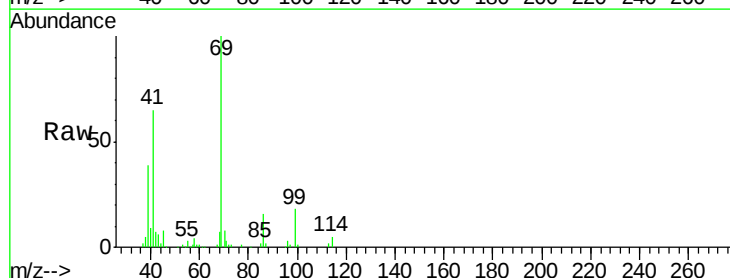
Tgt Ion: 69 Resp: 73880

Ion Ratio Lower Upper

69 100

41 65.7 54.1 81.1

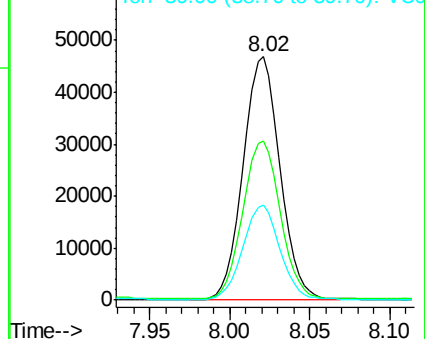
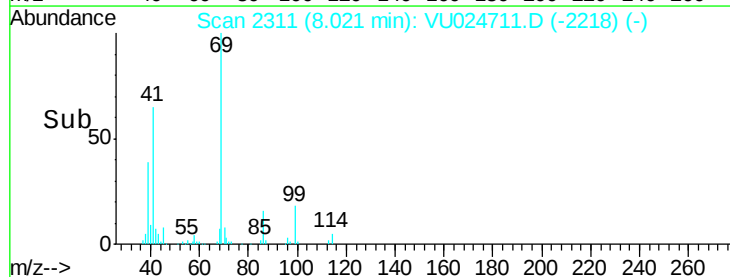
39 38.6 30.3 45.5



Abundance Ion 69.00 (68.70 to 69.70): VU0

Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0





#57

1,3-Dichloropropane

Concen: 20.055 ug/l

RT: 8.25 min Scan# 2381

Delta R.T. 0.00 min

Lab File: VU024711.D

Acq: 18 Jun 2018 23:53

Instrument :

MSVOA_U

ClientSampleId :

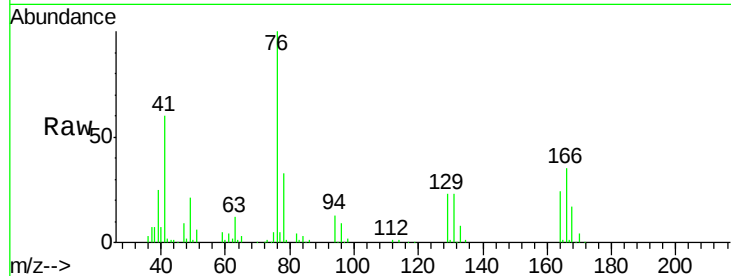
VU0618WBS02

Tgt Ion: 76 Resp: 73542

Ion Ratio Lower Upper

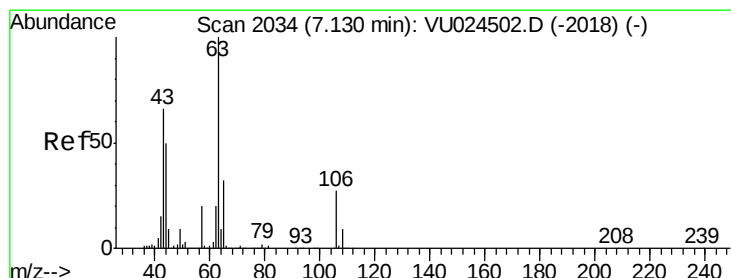
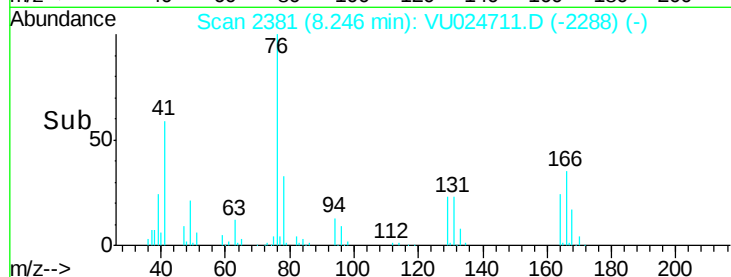
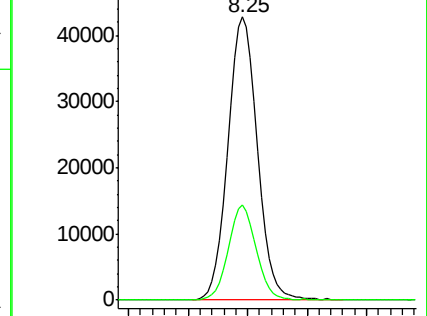
76 100

78 31.6 25.2 37.8



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#58

2-Chloroethyl Vinyl ether

Concen: 116.556 ug/l

RT: 7.13 min Scan# 2034

Delta R.T. 0.00 min

Lab File: VU024711.D

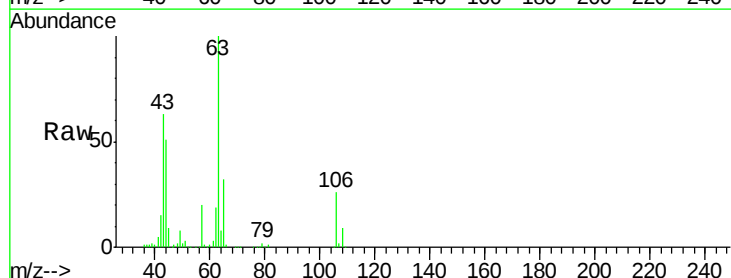
Acq: 18 Jun 2018 23:53

Tgt Ion: 63 Resp: 162463

Ion Ratio Lower Upper

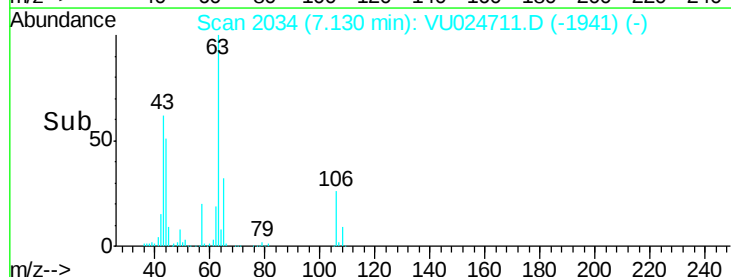
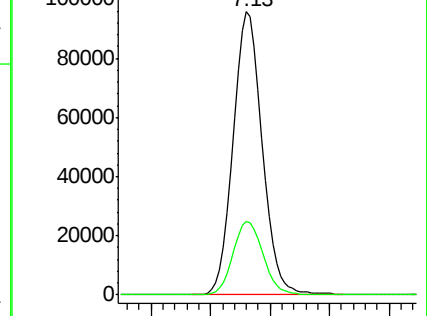
63 100

106 26.9 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V

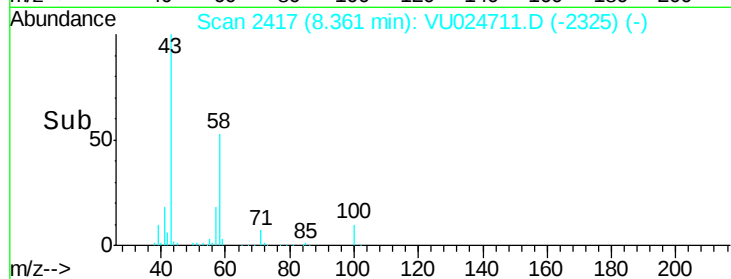
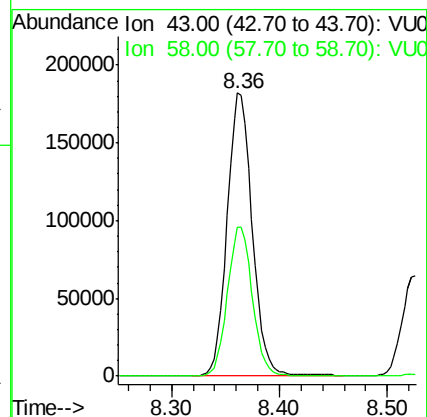
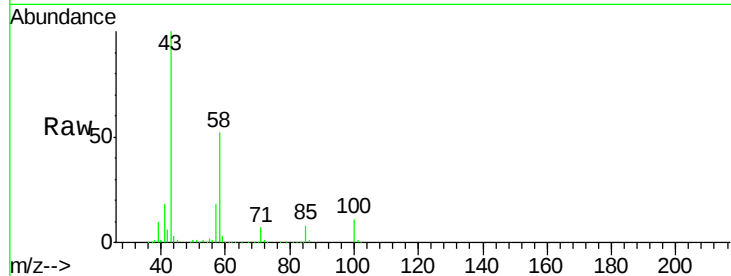




#59
2-Hexanone
Concen: 103.812 ug/l
RT: 8.36 min Scan# 2417
Delta R.T. -0.00 min
Lab File: VU024711.D
Acq: 18 Jun 2018 23:53

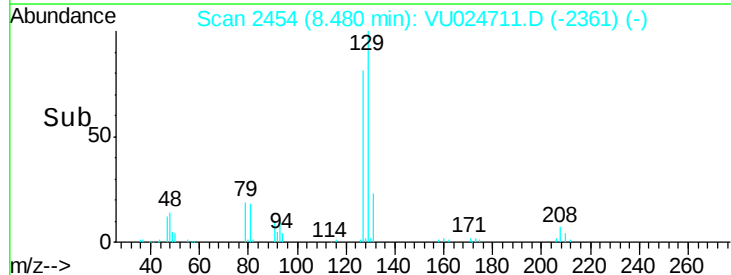
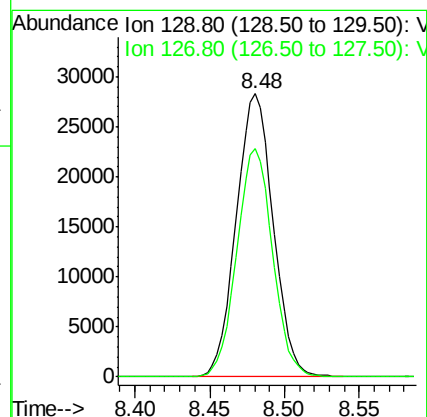
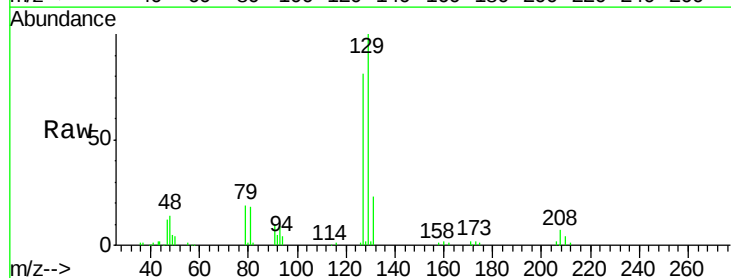
Instrument :
MSVOA_U
ClientSampleId :
VU0618WBS02

Tgt Ion: 43 Resp: 292624
Ion Ratio Lower Upper
43 100
58 52.8 26.4 79.0



#60
Dibromochloromethane
Concen: 17.982 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU024711.D
Acq: 18 Jun 2018 23:53

Tgt Ion: 129 Resp: 48743
Ion Ratio Lower Upper
129 100
127 78.2 38.6 116.0





#61

1,2-Dibromoethane

Concen: 19.428 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. 0.00 min

Lab File: VU024711.D

Acq: 18 Jun 2018 23:53

Instrument :

MSVOA_U

ClientSampleId :

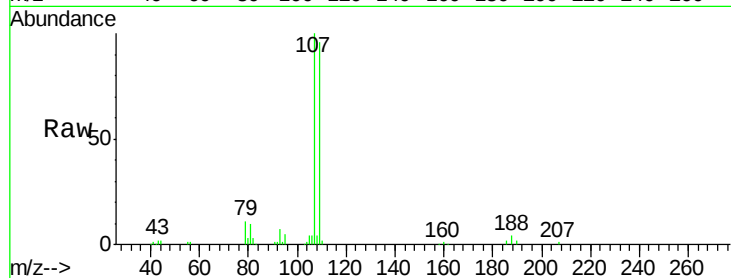
VU0618WBS02

Tgt Ion: 107 Resp: 47005

Ion Ratio Lower Upper

107 100

109 95.8 74.5 111.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.59

30000

25000

20000

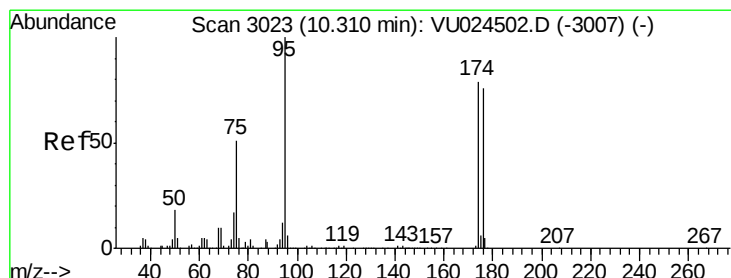
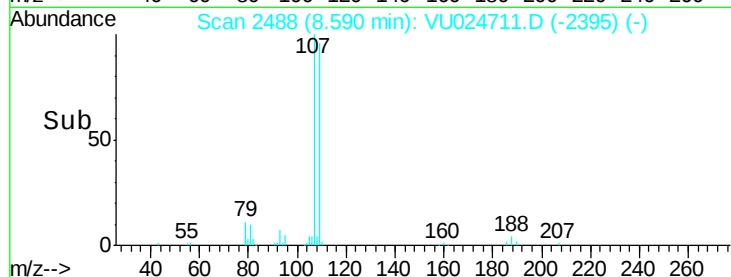
15000

10000

5000

0

Time--> 8.50 8.55 8.60 8.65



#62

4-Bromofluorobenzene

Concen: 45.632 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU024711.D

Acq: 18 Jun 2018 23:53

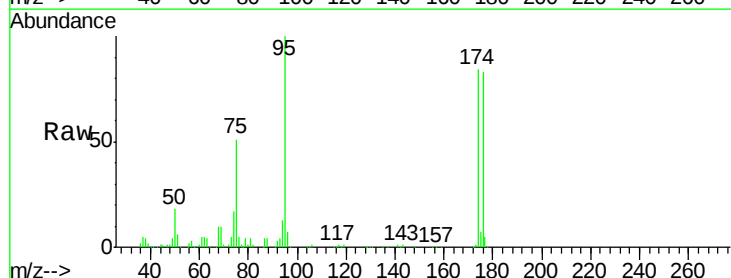
Tgt Ion: 95 Resp: 136152

Ion Ratio Lower Upper

95 100

174 85.6 0.0 165.8

176 83.4 0.0 159.4



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

120000

100000

80000

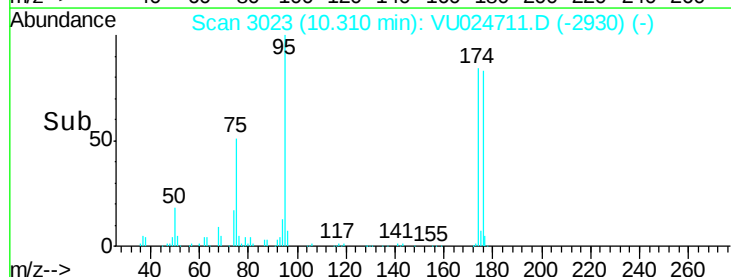
60000

40000

20000

0

Time--> 10.30 10.40

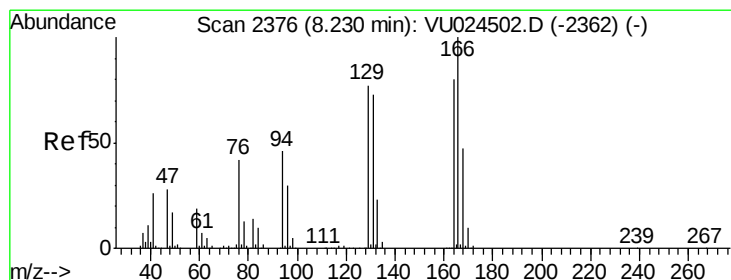
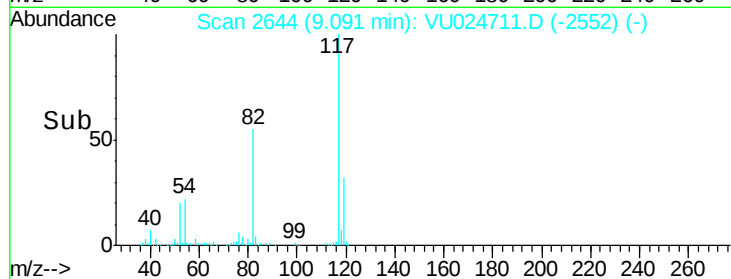
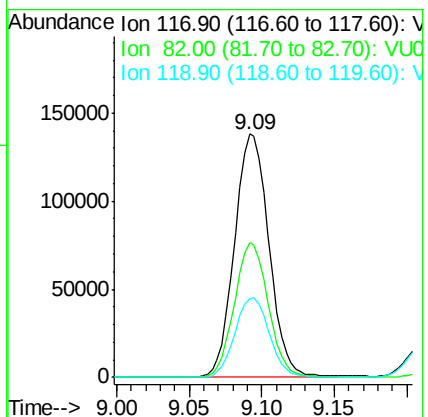
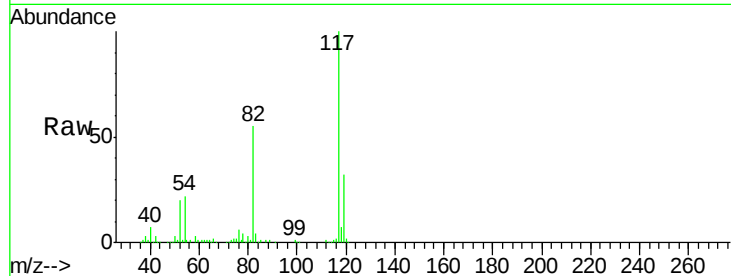




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VU024711.D
Acq: 18 Jun 2018 23:53

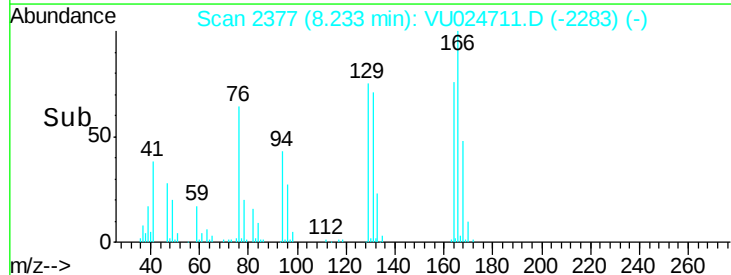
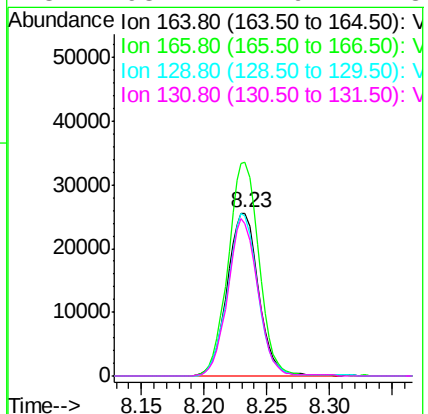
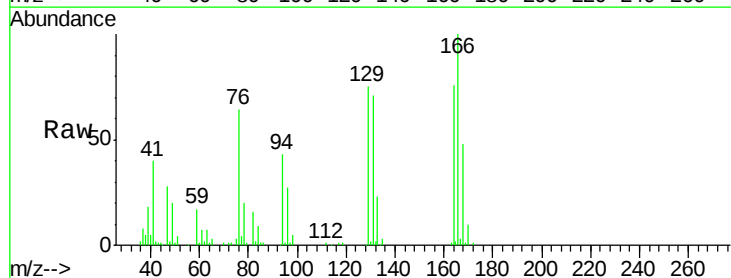
Instrument :
MSVOA_U
ClientSampleId :
VU0618WBS02

Tgt Ion:117 Resp: 228465
Ion Ratio Lower Upper
117 100
82 55.4 44.3 66.5
119 32.4 25.4 38.2



#64
Tetrachloroethene
Concen: 20.433 ug/l
RT: 8.23 min Scan# 2377
Delta R.T. 0.00 min
Lab File: VU024711.D
Acq: 18 Jun 2018 23:53

Tgt Ion:164 Resp: 44374
Ion Ratio Lower Upper
164 100
166 131.0 101.7 152.5
129 98.1 76.9 115.3
131 93.2 74.9 112.3

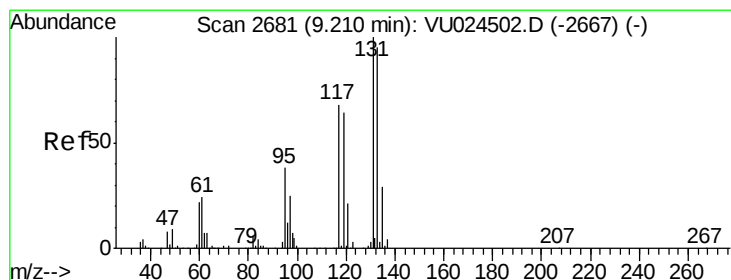
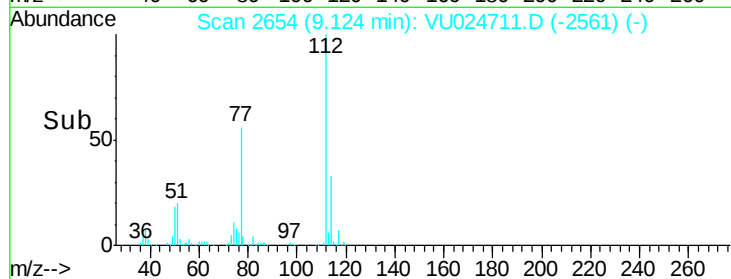
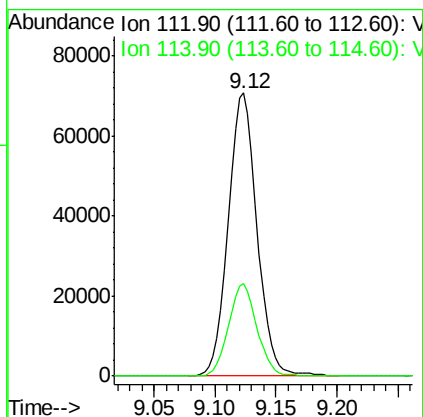
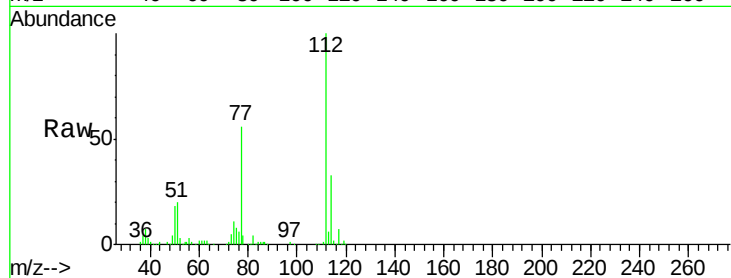




#65
Chlorobenzene
Concen: 20.007 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU024711.D
Acq: 18 Jun 2018 23:53

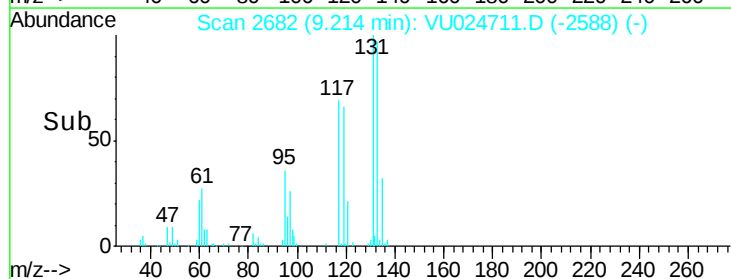
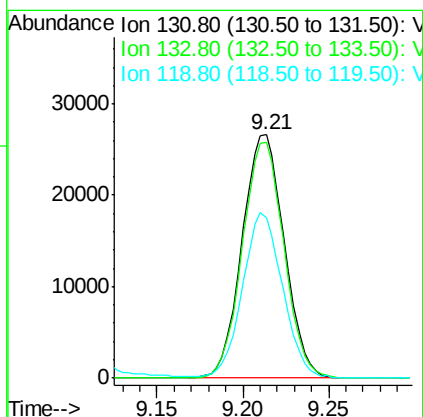
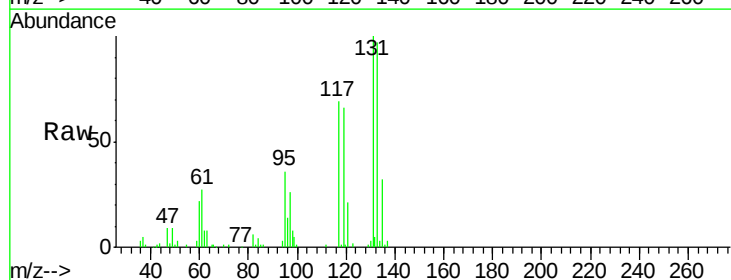
Instrument :
MSVOA_U
ClientSampleId :
VU0618WBS02

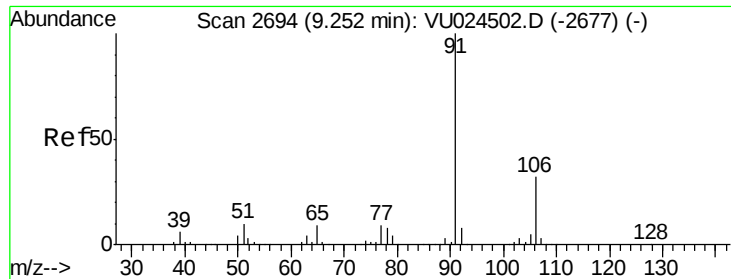
Tgt Ion:112 Resp: 116767
Ion Ratio Lower Upper
112 100
114 32.7 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 20.383 ug/l
RT: 9.21 min Scan# 2682
Delta R.T. 0.00 min
Lab File: VU024711.D
Acq: 18 Jun 2018 23:53

Tgt Ion:131 Resp: 45196
Ion Ratio Lower Upper
131 100
133 95.5 46.9 140.8
119 64.9 33.5 100.4

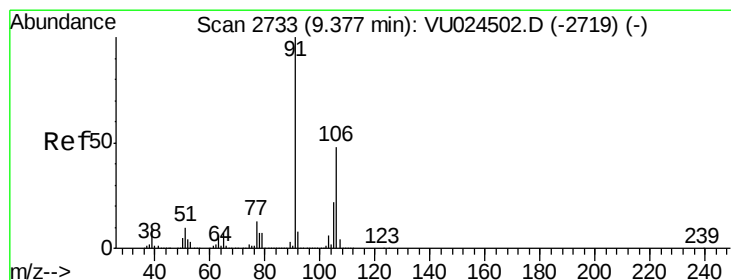
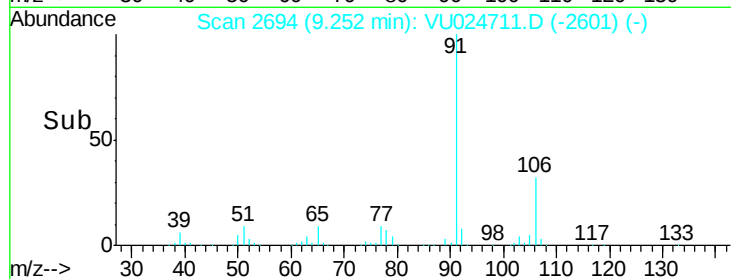
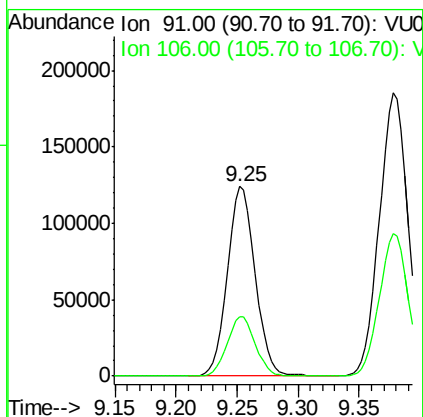
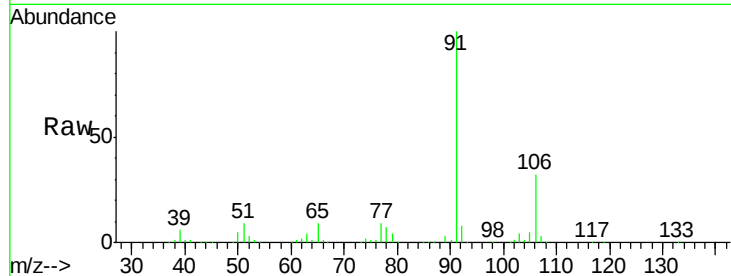




#67
Ethyl Benzene
Concen: 19.400 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU024711.D
Acq: 18 Jun 2018 23:53

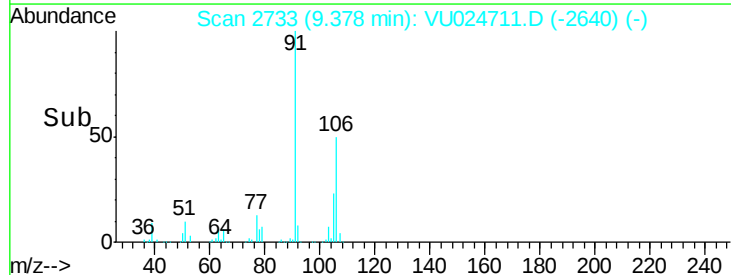
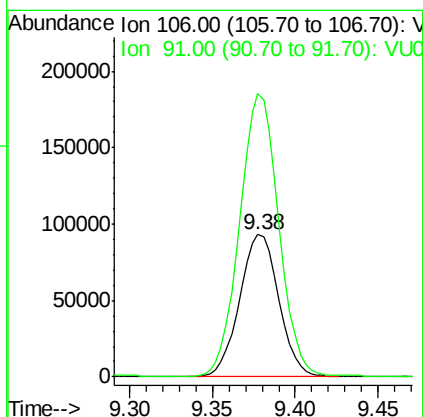
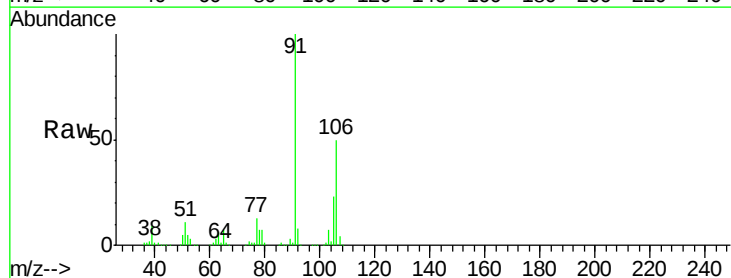
Instrument :
MSVOA_U
ClientSampleId :
VU0618WBS02

Tgt Ion: 91 Resp: 198493
Ion Ratio Lower Upper
91 100
106 31.6 24.2 36.4



#68
m/p-Xylenes
Concen: 38.815 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU024711.D
Acq: 18 Jun 2018 23:53

Tgt Ion: 106 Resp: 152504
Ion Ratio Lower Upper
106 100
91 199.6 166.5 249.7

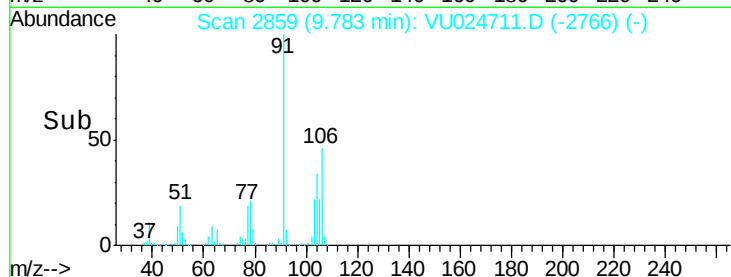
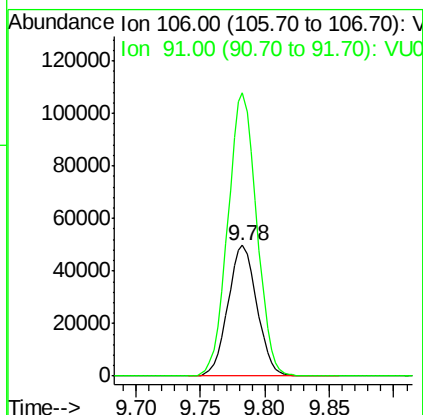
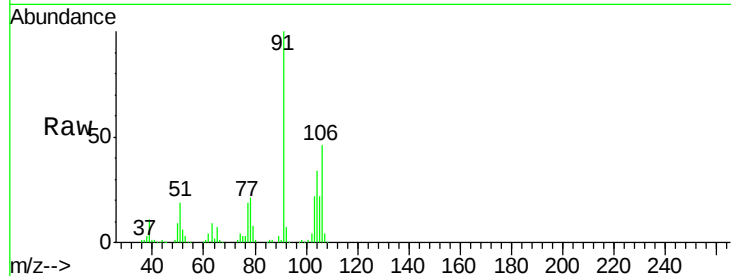




#69
o-Xylene
Concen: 20.003 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU024711.D
Acq: 18 Jun 2018 23:53

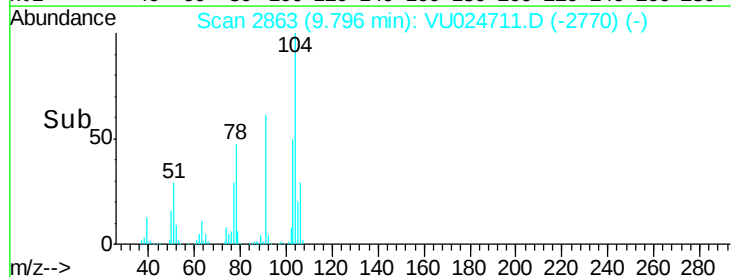
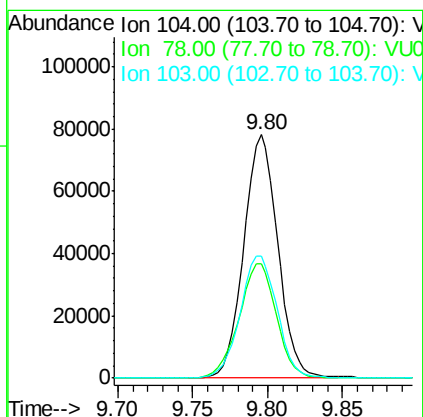
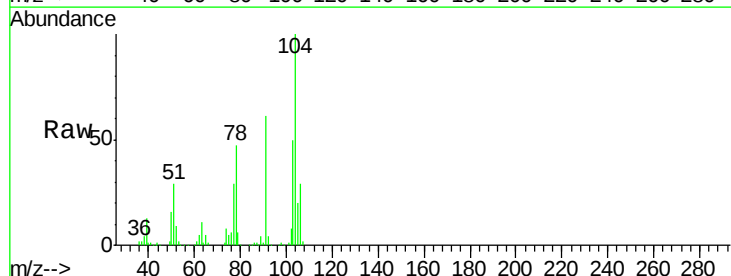
Instrument :
MSVOA_U
ClientSampleId :
VU0618WBS02

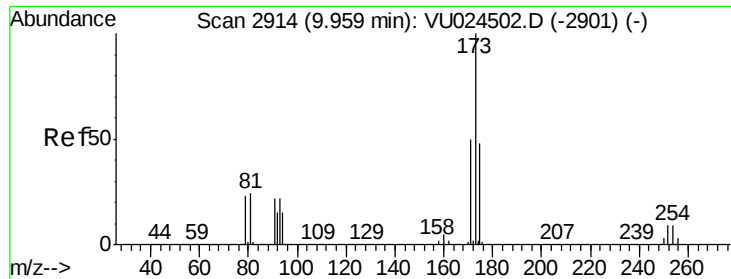
Tgt Ion:106 Resp: 77778
Ion Ratio Lower Upper
106 100
91 214.9 110.7 331.9



#70
Styrene
Concen: 19.397 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU024711.D
Acq: 18 Jun 2018 23:53

Tgt Ion:104 Resp: 123945
Ion Ratio Lower Upper
104 100
78 51.8 40.6 60.8
103 54.6 44.7 67.1





#71

Bromoform

Concen: 18.535 ug/l

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU024711.D

Acq: 18 Jun 2018 23:53

Instrument :

MSVOA_U

ClientSampleId :

VU0618WBS02

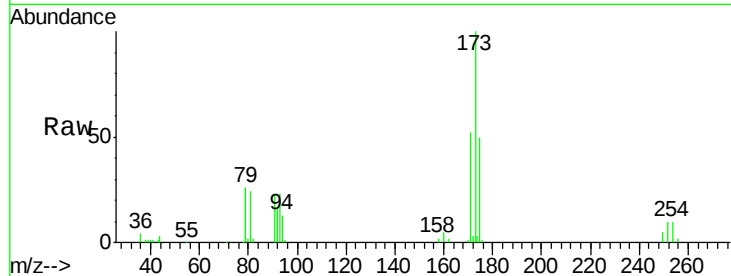
Tgt Ion:173 Resp: 39064

Ion Ratio Lower Upper

173 100

175 48.4 24.6 74.0

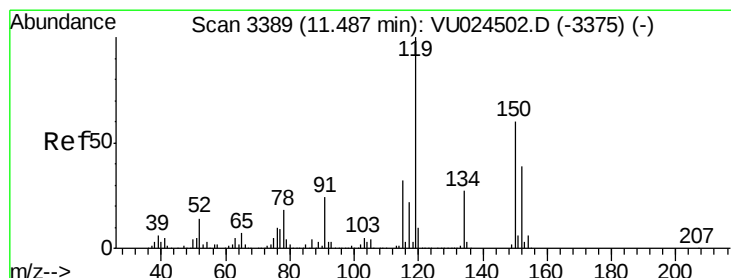
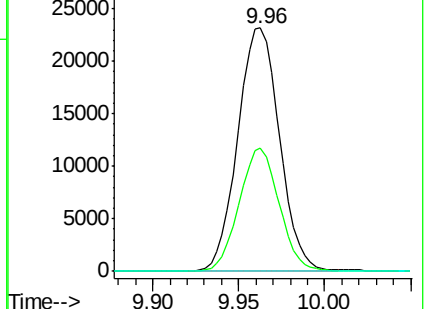
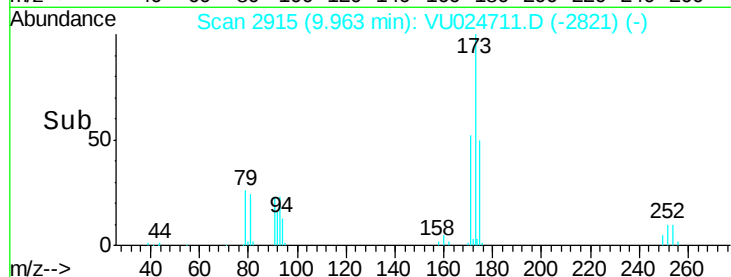
254 0.0 0.0 0.0



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: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU024711.D

Acq: 18 Jun 2018 23:53

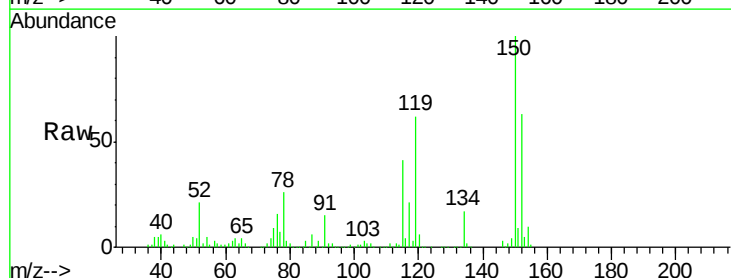
Tgt Ion:152 Resp: 128157

Ion Ratio Lower Upper

152 100

115 67.0 43.0 129.0

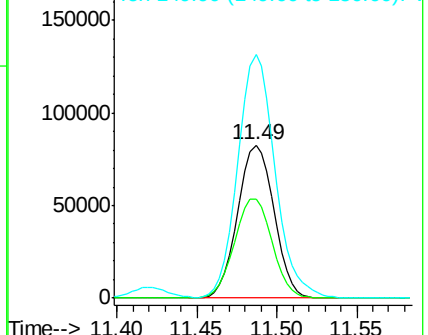
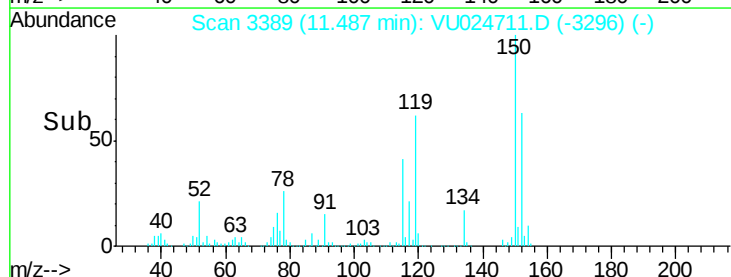
150 162.6 0.0 354.0

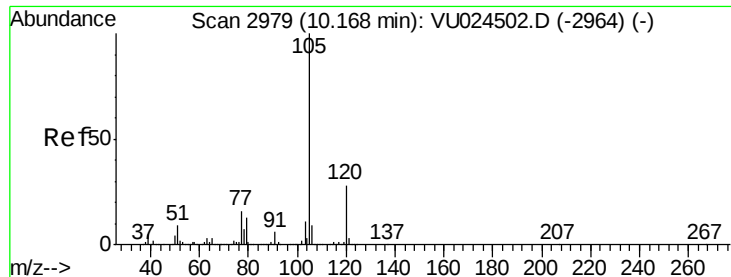


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.490 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU024711.D

Acq: 18 Jun 2018 23:53

Instrument :

MSVOA_U

ClientSampleId :

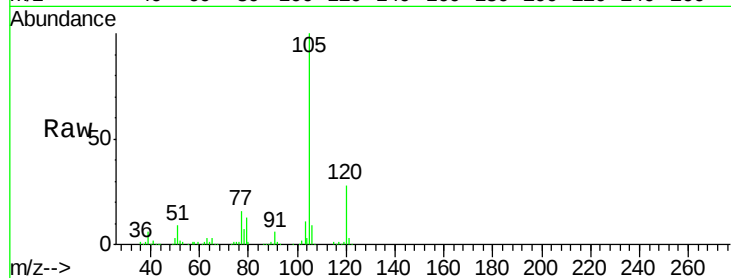
VU0618WBS02

Tgt Ion: 105 Resp: 201613

Ion Ratio Lower Upper

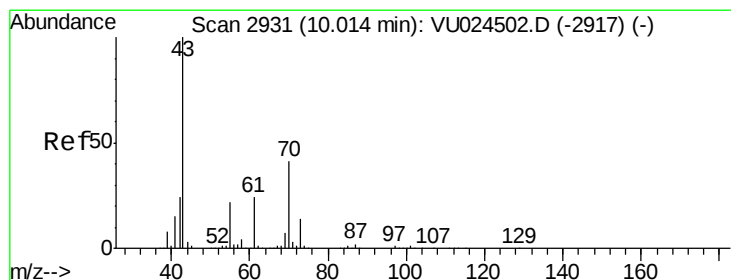
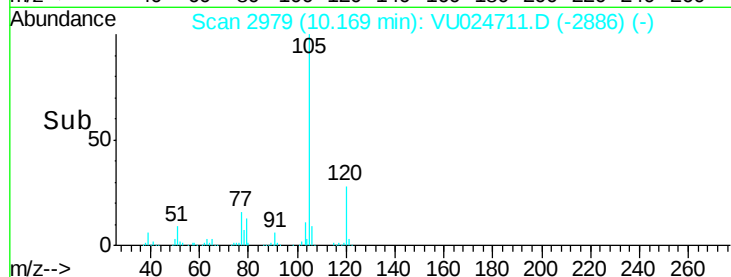
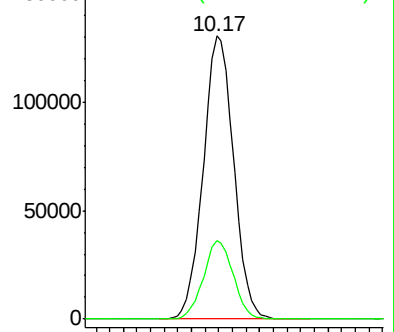
105 100

120 27.2 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.118 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU024711.D

Acq: 18 Jun 2018 23:53

Tgt Ion: 43 Resp: 98834

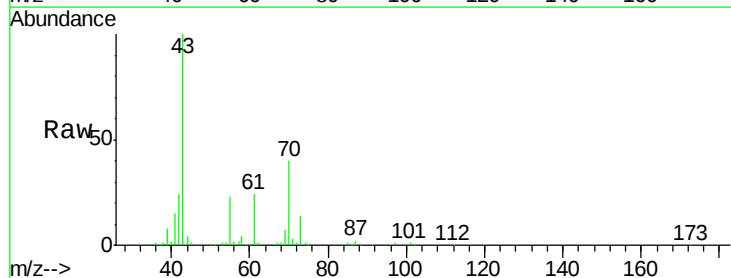
Ion Ratio Lower Upper

43 100

70 41.0 32.2 48.4

55 22.7 20.5 30.7

61 24.6 18.7 28.1

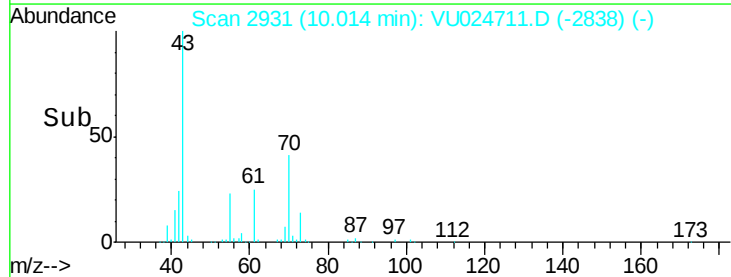
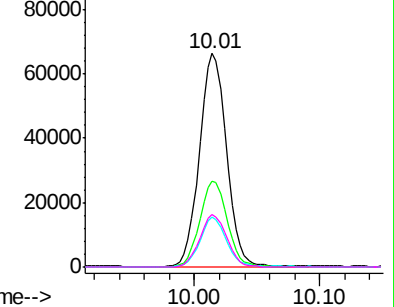


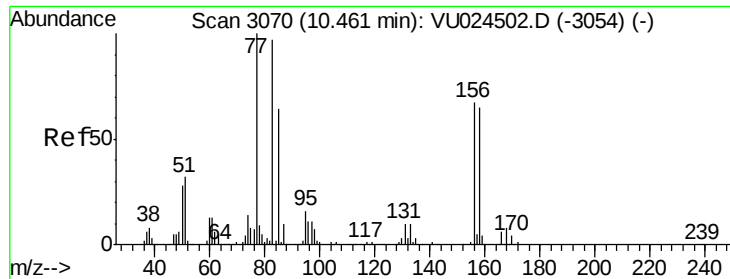
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#75

1,1,2,2-Tetrachloroethane

Concen: 22.805 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU024711.D

Acq: 18 Jun 2018 23:53

Instrument :

MSVOA_U

ClientSampleId :

VU0618WBS02

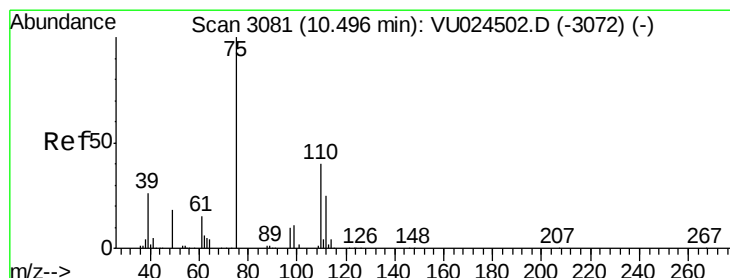
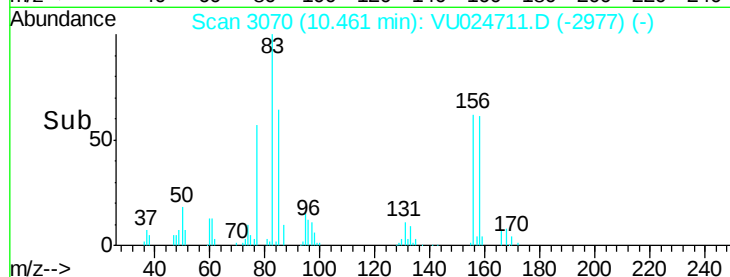
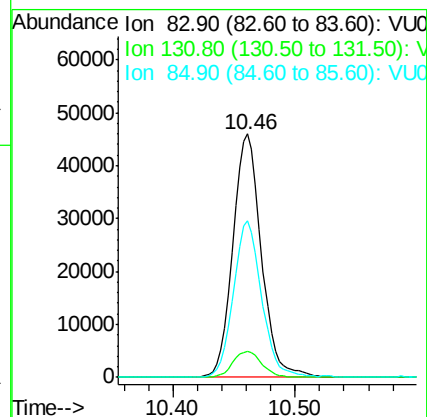
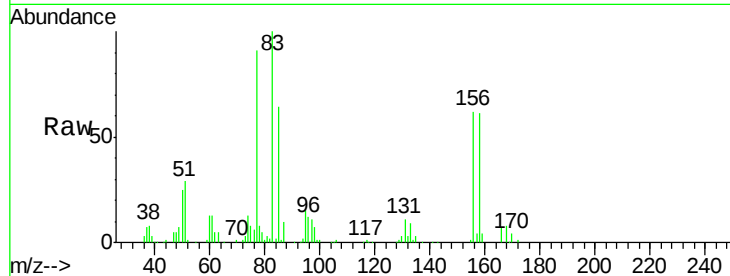
Tgt Ion: 83 Resp: 75193

Ion Ratio Lower Upper

83 100

131 10.8 4.7 14.1

85 63.5 32.5 97.5



#76

1,2,3-Trichloropropane

Concen: 27.718 ug/l

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU024711.D

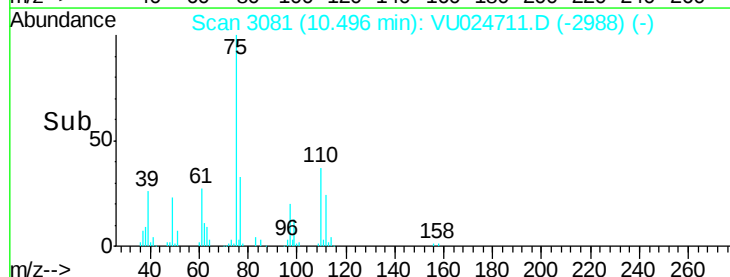
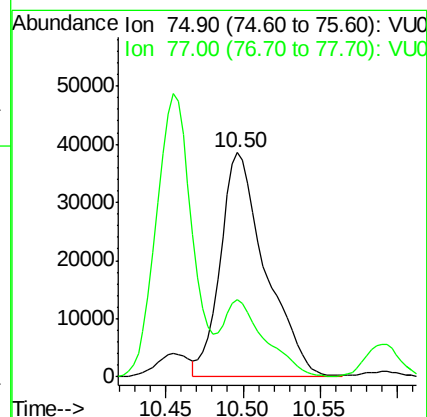
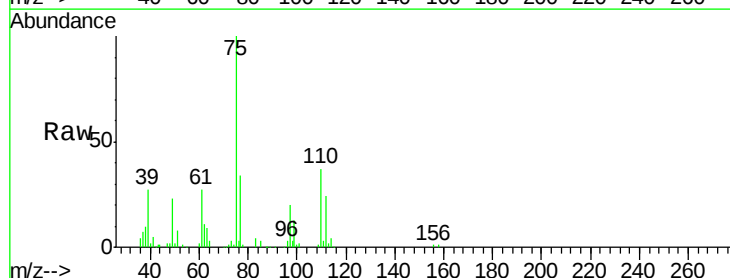
Acq: 18 Jun 2018 23:53

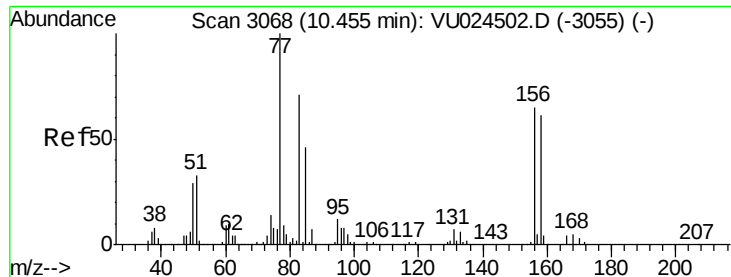
Tgt Ion: 75 Resp: 78207

Ion Ratio Lower Upper

75 100

77 30.9 20.9 62.7





#77

Bromobenzene

Concen: 21.040 ug/l

RT: 10.46 min Scan# 3069

Delta R.T. 0.00 min

Lab File: VU024711.D

Acq: 18 Jun 2018 23:53

Instrument :

MSVOA_U

ClientSampleId :

VU0618WBS02

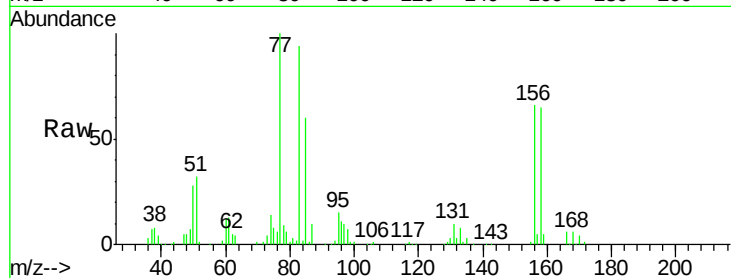
Tgt Ion:156 Resp: 52410

Ion Ratio Lower Upper

156 100

77 149.1 80.5 241.3

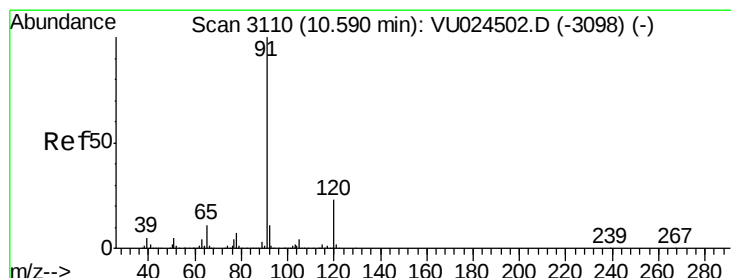
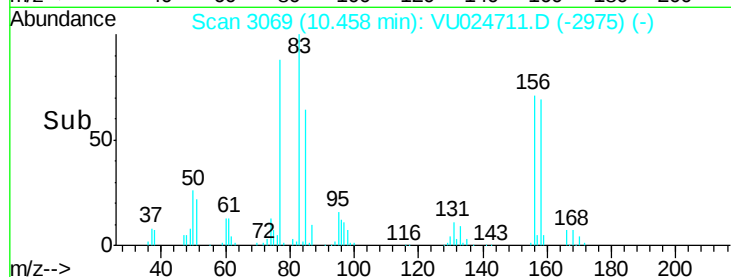
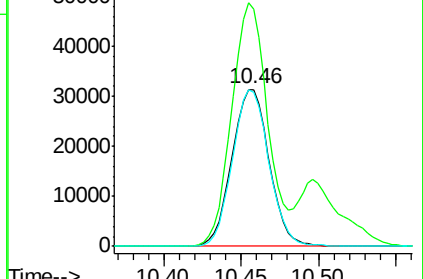
158 97.7 48.2 144.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.274 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU024711.D

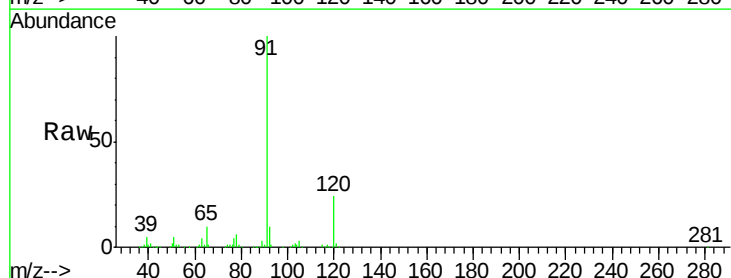
Acq: 18 Jun 2018 23:53

Tgt Ion: 91 Resp: 223397

Ion Ratio Lower Upper

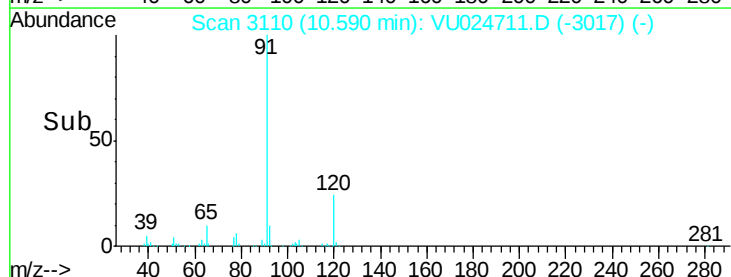
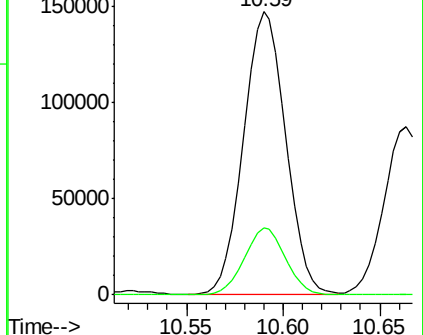
91 100

120 23.2 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.050 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU024711.D

Acq: 18 Jun 2018 23:53

Instrument :

MSVOA_U

ClientSampleId :

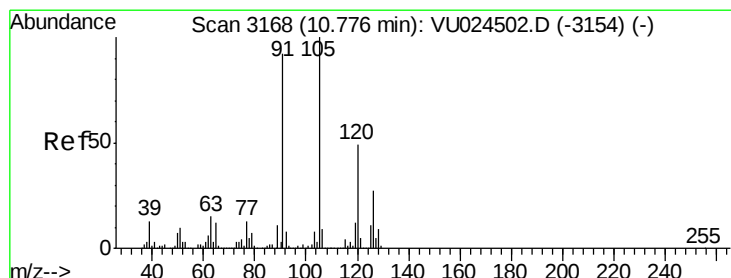
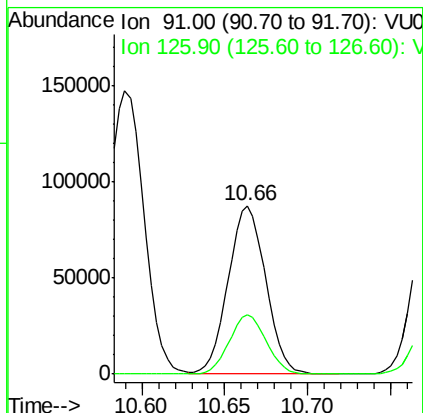
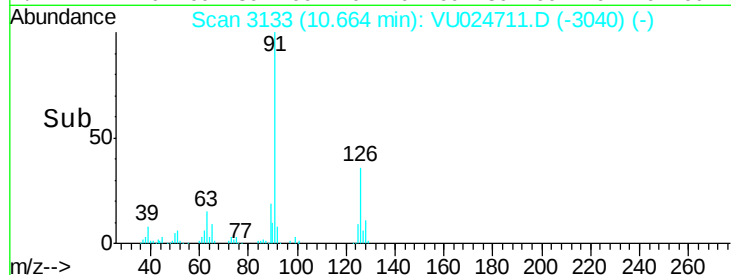
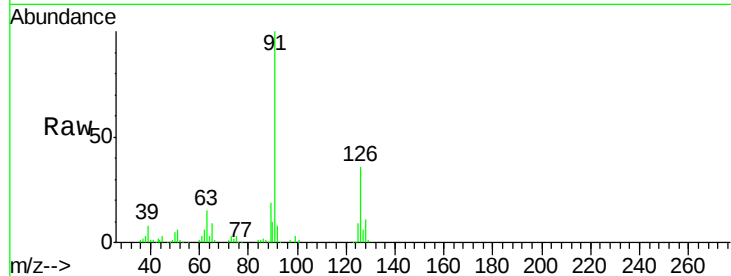
VU0618WBS02

Tgt Ion: 91 Resp: 137044

Ion Ratio Lower Upper

91 100

126 35.2 16.9 50.7



#80

1,3,5-Trimethylbenzene

Concen: 19.886 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU024711.D

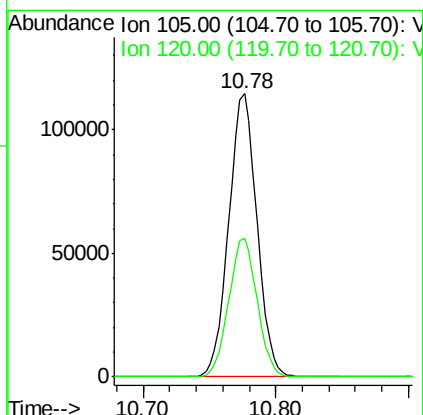
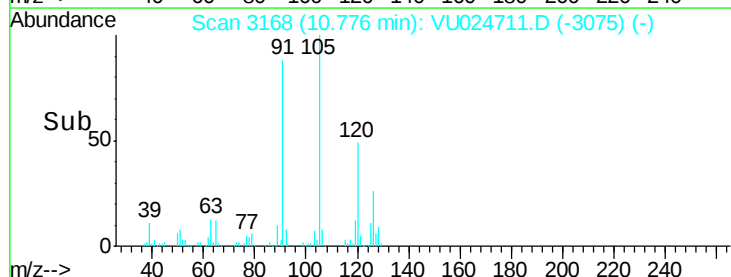
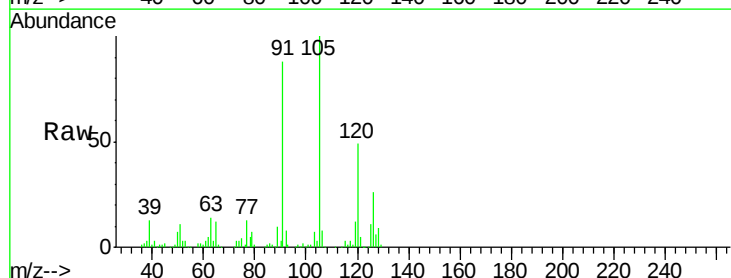
Acq: 18 Jun 2018 23:53

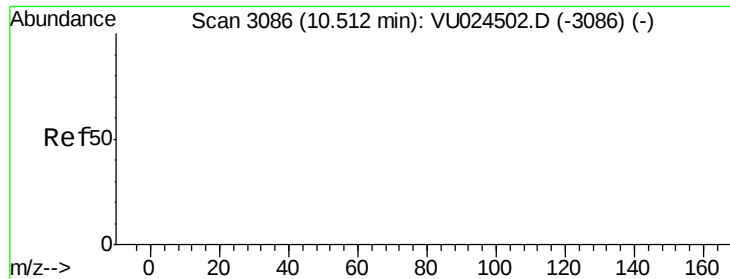
Tgt Ion: 105 Resp: 169595

Ion Ratio Lower Upper

105 100

120 49.3 24.1 72.2

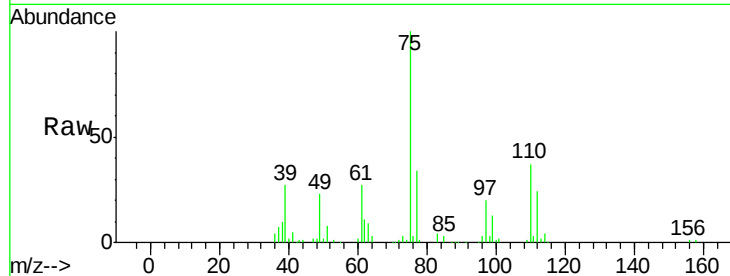




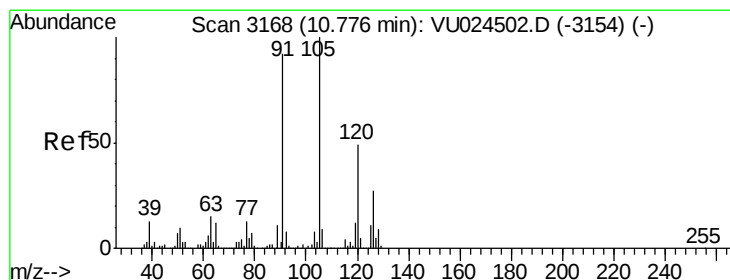
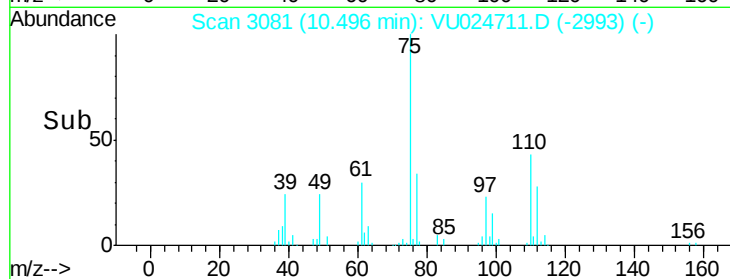
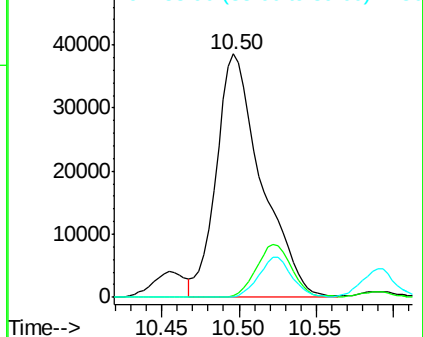
#81
trans-1,4-Dichloro-2-butene
Concen: 64.150 ug/l
RT: 10.50 min Scan# 3081
Delta R.T. -0.02 min
Lab File: VU024711.D
Acq: 18 Jun 2018 23:53

Instrument :
MSVOA_U
ClientSampleId :
VU0618WBS02

Tgt Ion: 75 Resp: 78207
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0

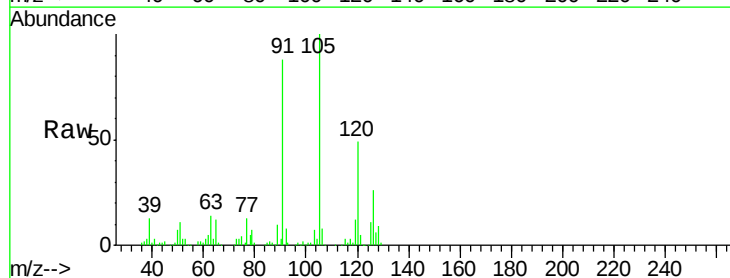


Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 53.00 (52.70 to 53.70): VU0
Ion 88.90 (88.60 to 89.60): VU0

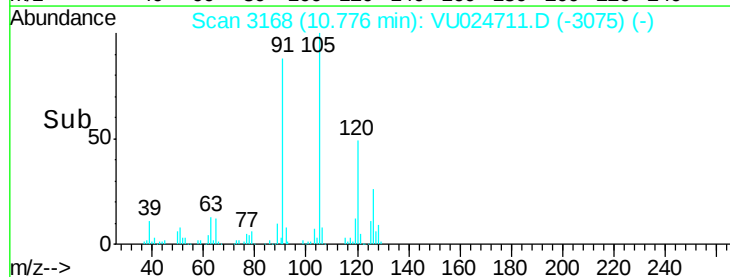
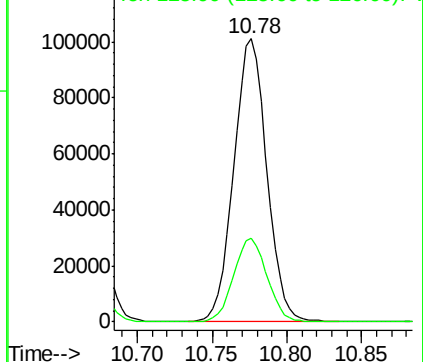


#82
4-Chlorotoluene
Concen: 19.379 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VU024711.D
Acq: 18 Jun 2018 23:53

Tgt Ion: 91 Resp: 154171
Ion Ratio Lower Upper
91 100
126 30.1 14.9 44.9



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

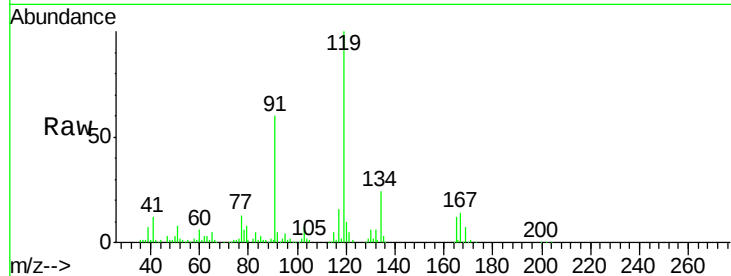




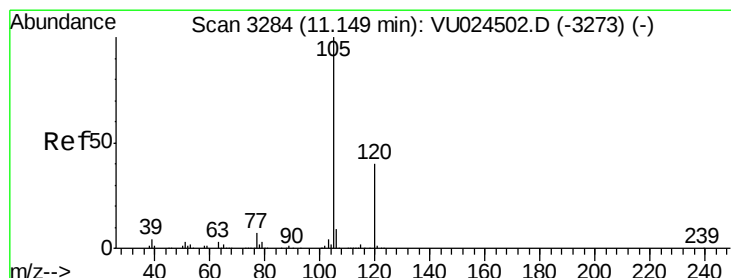
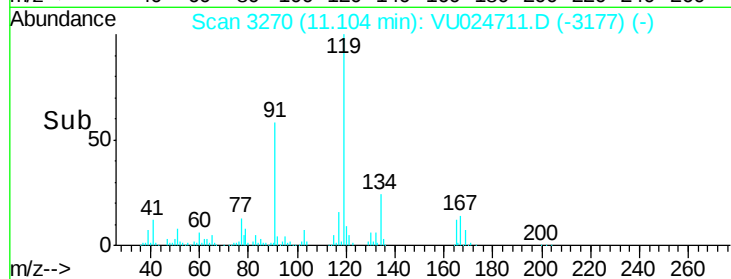
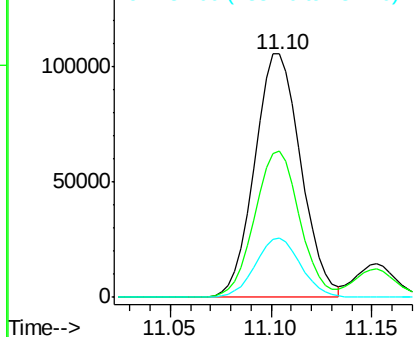
#83
 tert-Butylbenzene
 Concen: 20.602 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU024711.D
 Acq: 18 Jun 2018 23:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0618WBS02

Tgt Ion	Ratio	Lower	Upper
119	100		
91	58.8	29.7	89.1
134	23.7	11.6	34.7

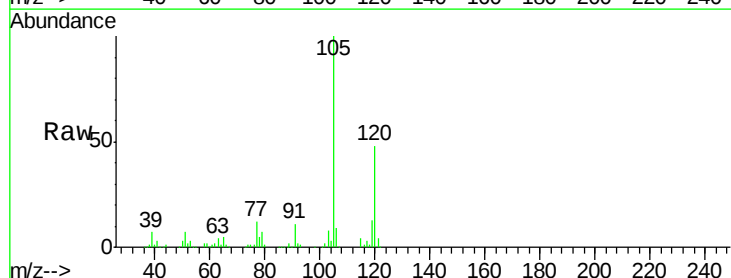


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

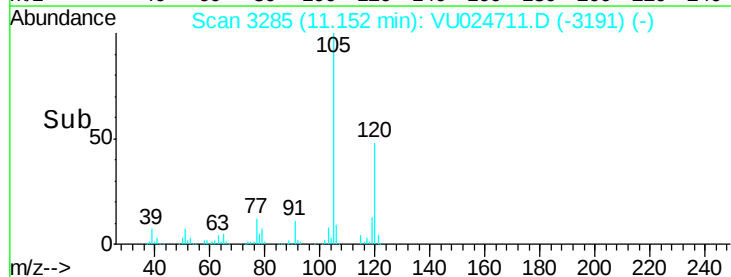
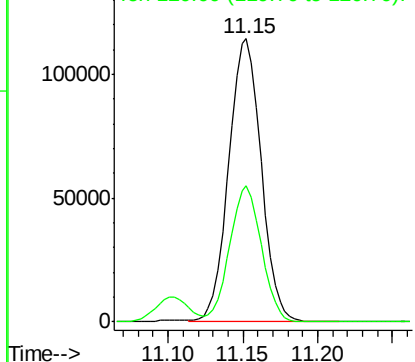


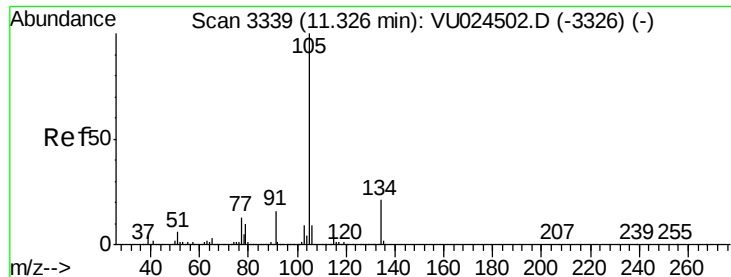
#84
 1,2,4-Trimethylbenzene
 Concen: 19.803 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU024711.D
 Acq: 18 Jun 2018 23:53

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.4	22.6	67.8



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





#85

sec-Butylbenzene

Concen: 19.400 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU024711.D

Acq: 18 Jun 2018 23:53

Instrument :

MSVOA_U

ClientSampleId :

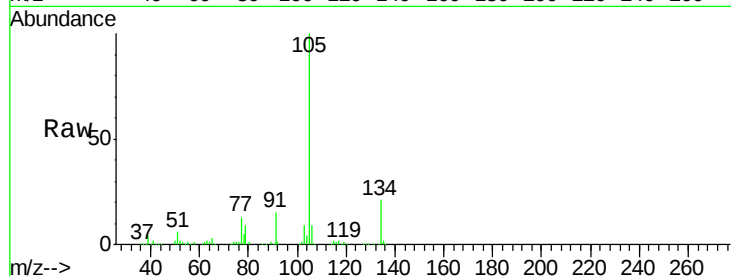
VU0618WBS02

Tgt Ion:105 Resp: 199214

Ion Ratio Lower Upper

105 100

134 20.6 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.33

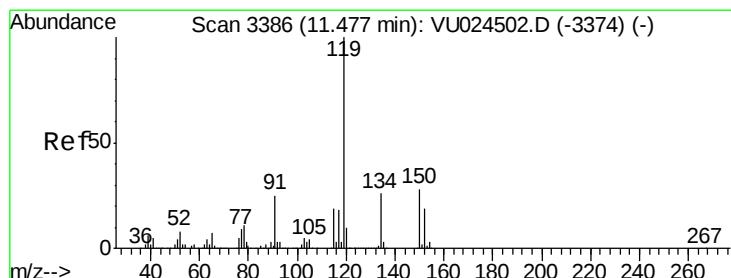
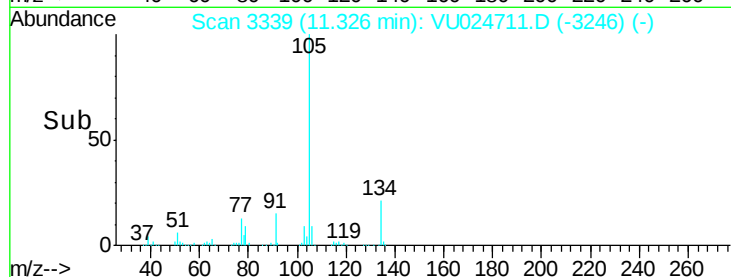
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 18.813 ug/l

RT: 11.48 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU024711.D

Acq: 18 Jun 2018 23:53

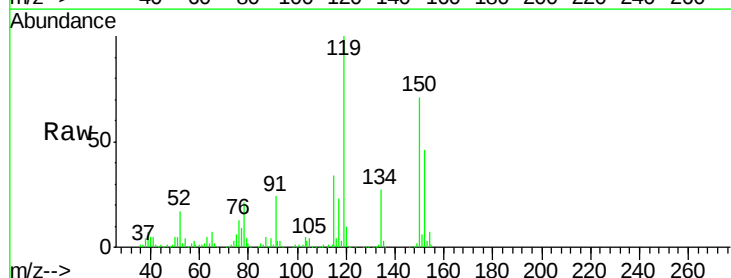
Tgt Ion:119 Resp: 173015

Ion Ratio Lower Upper

119 100

134 27.2 12.9 38.6

91 24.7 12.0 36.1



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

11.48

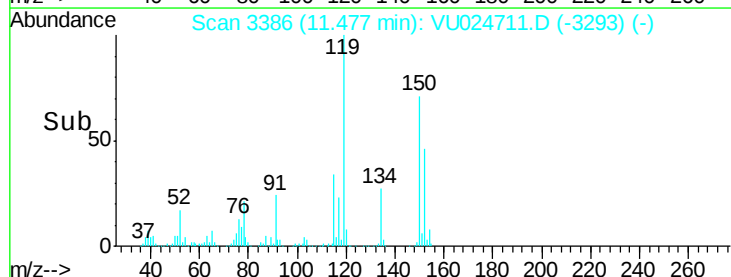
150000

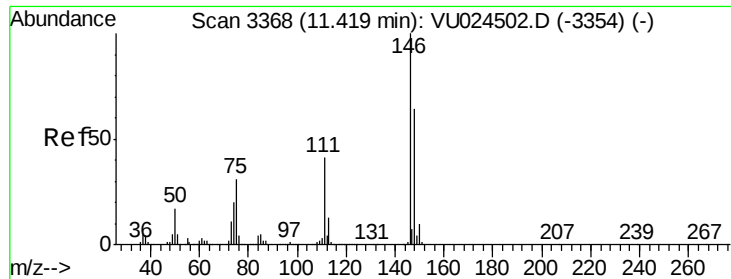
100000

50000

0

Time-->

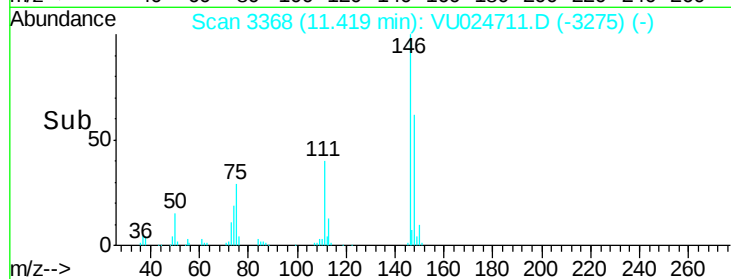
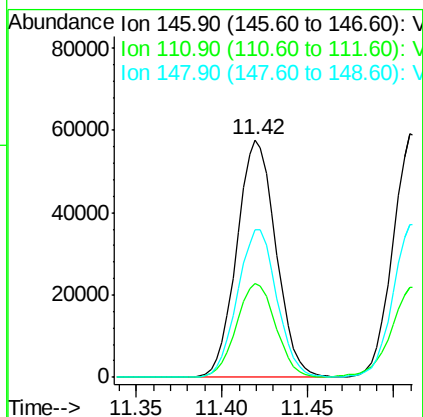
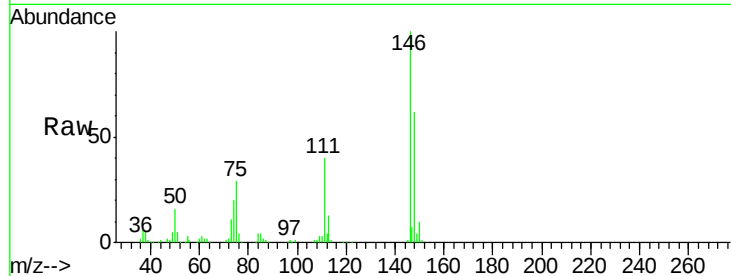




#87
 1,3-Dichlorobenzene
 Concen: 19.786 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU024711.D
 Acq: 18 Jun 2018 23:53

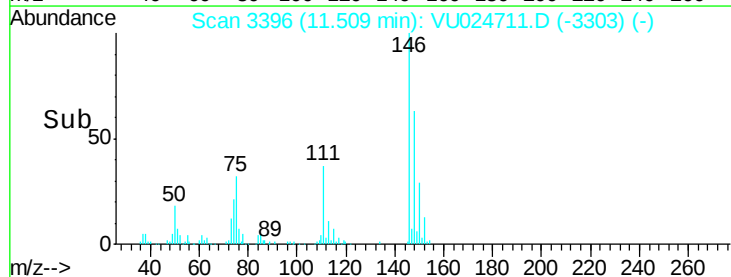
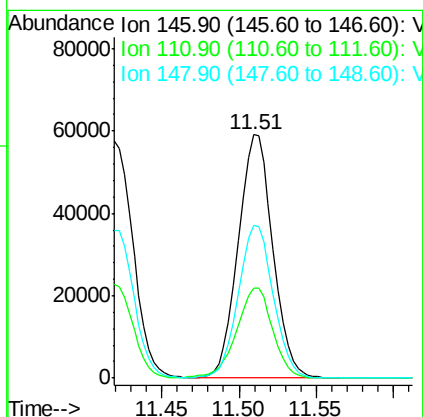
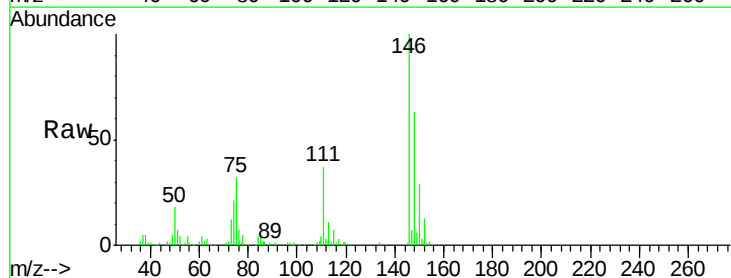
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0618WBS02

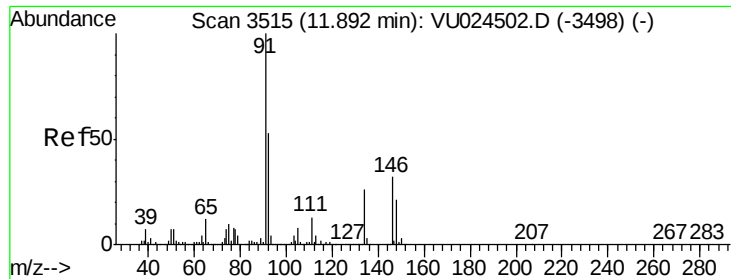
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.6	20.0	60.0
148	62.7	32.1	96.5



#88
 1,4-Dichlorobenzene
 Concen: 19.868 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU024711.D
 Acq: 18 Jun 2018 23:53

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.5	58.5
148	63.6	32.4	97.0





#89

n-Butylbenzene

Concen: 17.171 ug/l

RT: 11.89 min Scan# 3515

Delta R.T. 0.00 min

Lab File: VU024711.D

Acq: 18 Jun 2018 23:53

Instrument :

MSVOA_U

ClientSampleId :

VU0618WBS02

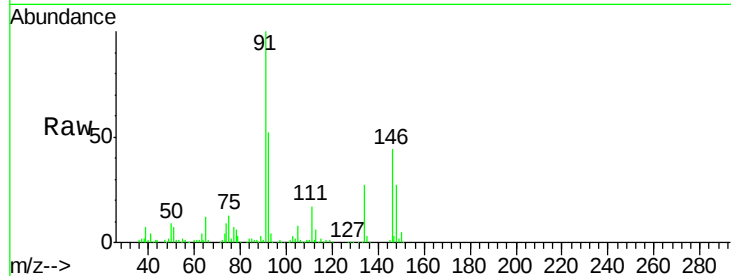
Tgt Ion: 91 Resp: 140202

Ion Ratio Lower Upper

91 100

92 51.8 25.6 76.8

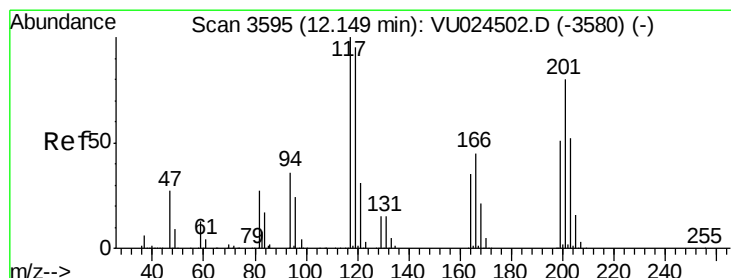
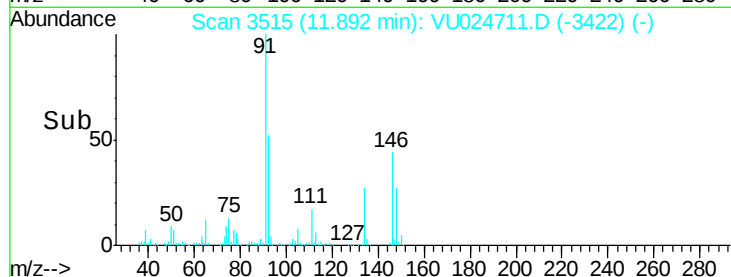
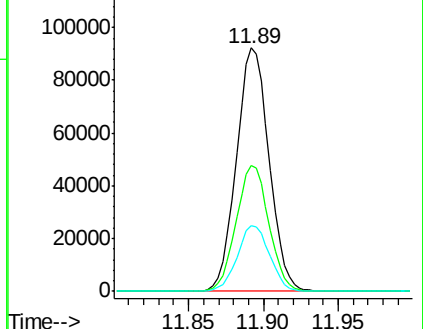
134 26.7 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VU024711.D (-3422) (-)

Ion 92.00 (91.70 to 92.70): VU024711.D (-3422) (-)

Ion 134.00 (133.70 to 134.70): VU024711.D (-3422) (-)



#90

Hexachloroethane

Concen: 18.555 ug/l

RT: 12.15 min Scan# 3595

Delta R.T. 0.00 min

Lab File: VU024711.D

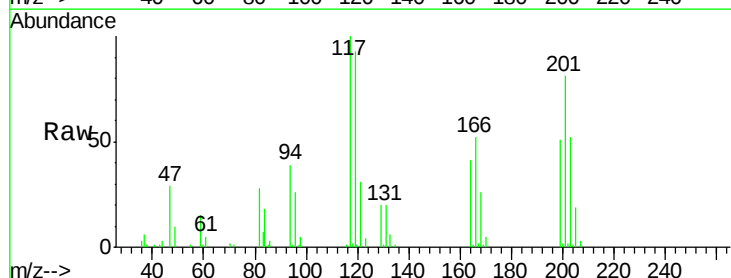
Acq: 18 Jun 2018 23:53

Tgt Ion: 117 Resp: 33288

Ion Ratio Lower Upper

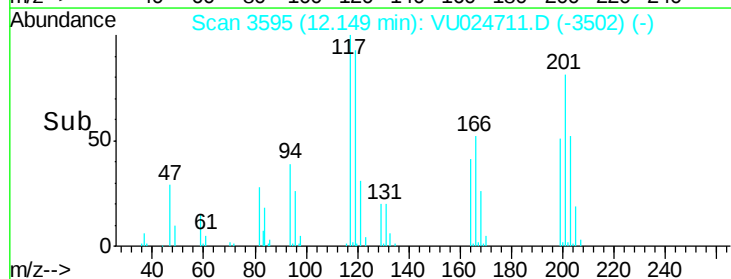
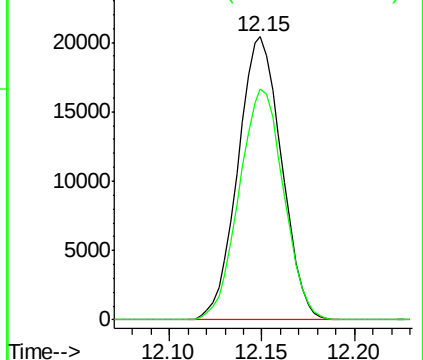
117 100

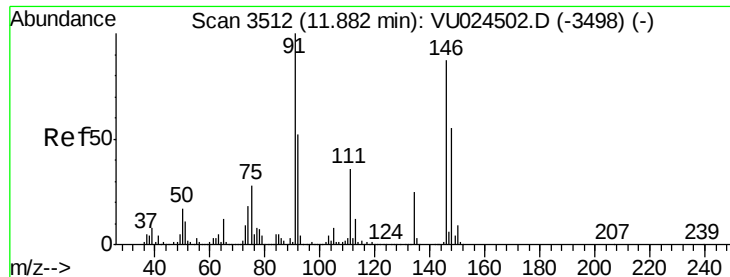
201 83.1 41.1 123.3



Abundance Ion 116.80 (116.50 to 117.50): VU024711.D (-3502) (-)

Ion 200.70 (200.40 to 201.40): VU024711.D (-3502) (-)





#91

1,2-Dichlorobenzene

Concen: 20.872 ug/l

RT: 11.88 min Scan# 3512

Delta R.T. 0.00 min

Lab File: VU024711.D

Acq: 18 Jun 2018 23:53

Instrument :

MSVOA_U

ClientSampleId :

VU0618WBS02

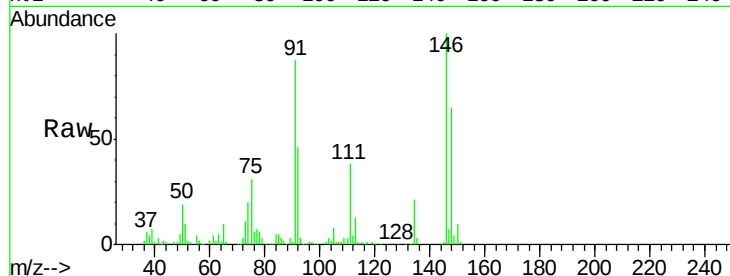
Tgt Ion:146 Resp: 96209

Ion Ratio Lower Upper

146 100

111 38.9 20.5 61.6

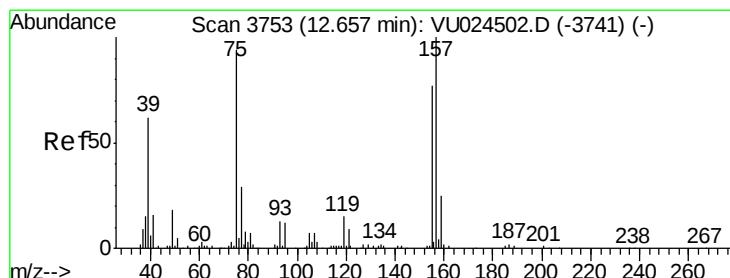
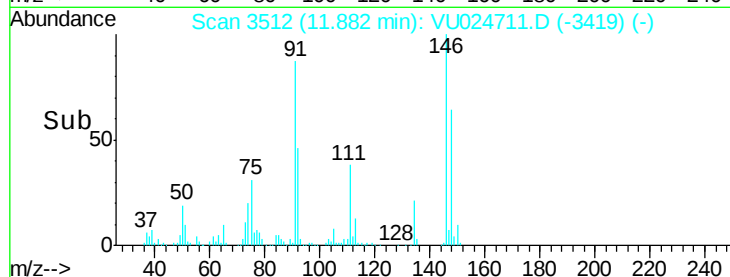
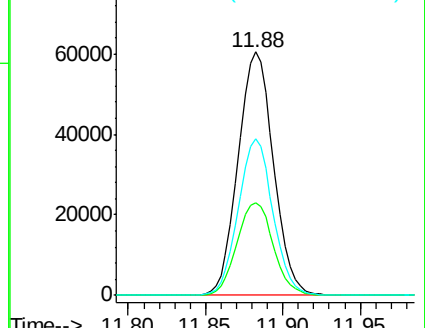
148 62.9 31.9 95.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.099 ug/l

RT: 12.66 min Scan# 3754

Delta R.T. 0.00 min

Lab File: VU024711.D

Acq: 18 Jun 2018 23:53

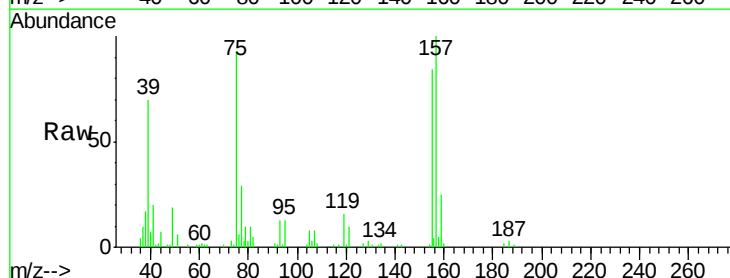
Tgt Ion: 75 Resp: 19196

Ion Ratio Lower Upper

75 100

155 91.1 40.4 121.2

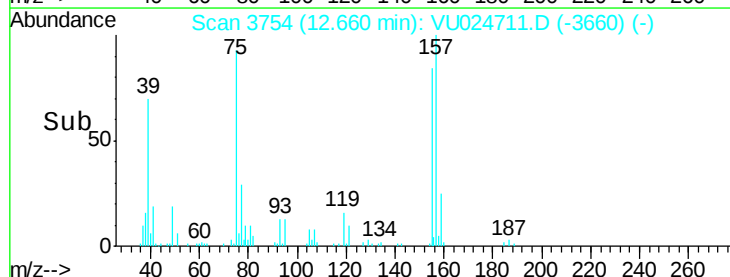
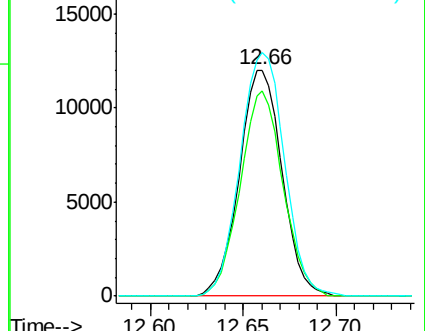
157 111.8 52.3 156.8

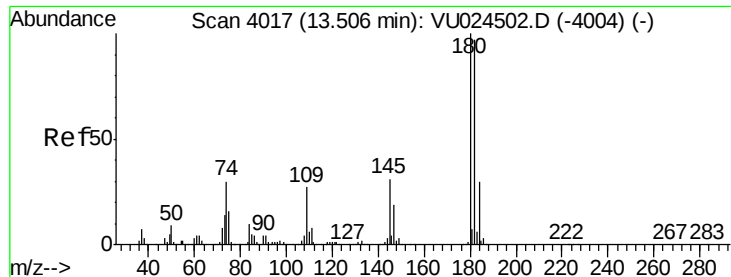


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

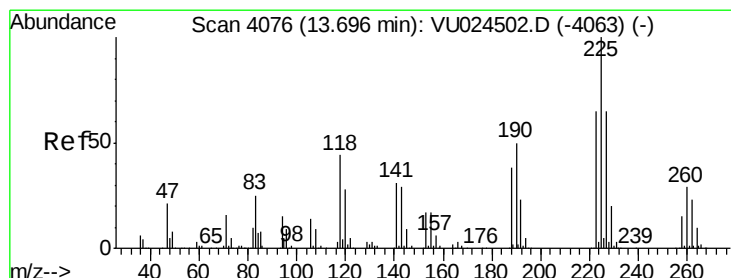
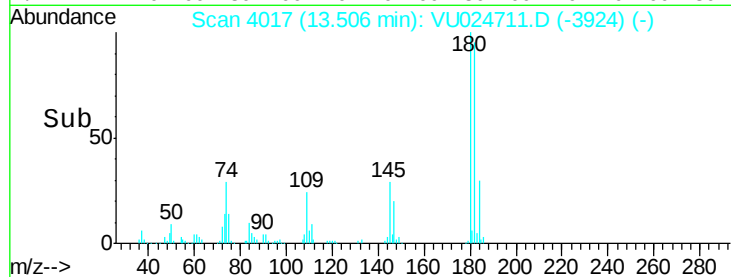
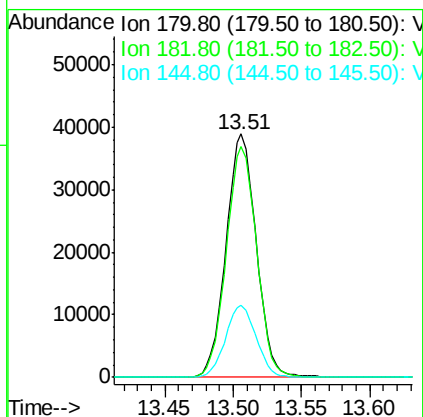
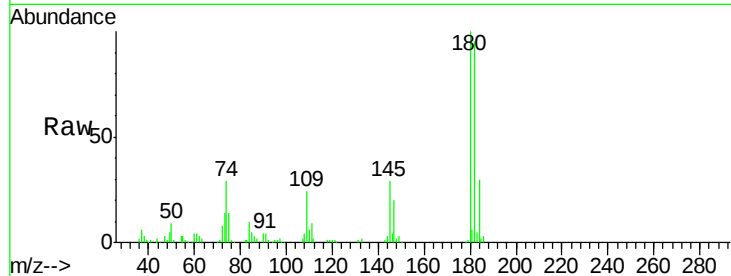




#93
 1,2,4-Trichlorobenzene
 Concen: 21.081 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU024711.D
 Acq: 18 Jun 2018 23:53

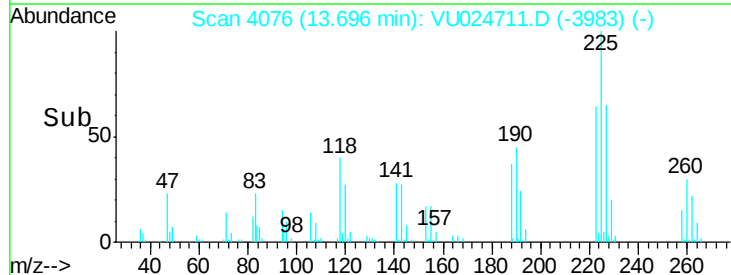
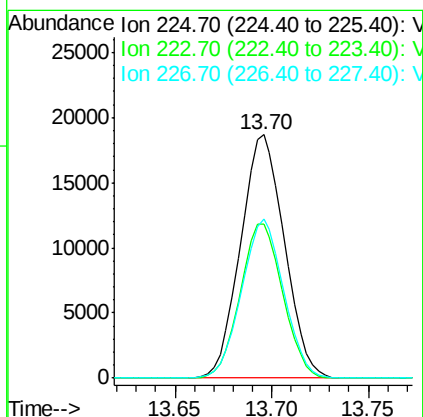
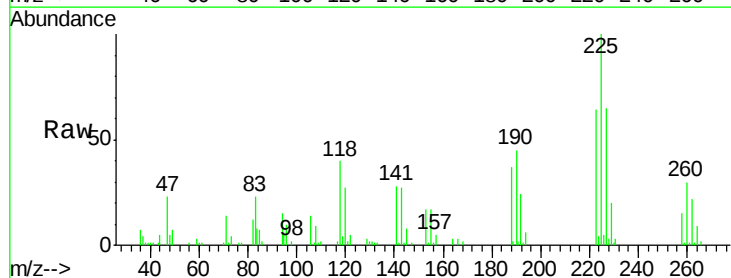
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0618WBS02

Tgt Ion:180 Resp: 60006
 Ion Ratio Lower Upper
 180 100
 182 94.9 48.0 144.2
 145 29.9 14.7 44.1



#94
 Hexachlorobutadiene
 Concen: 18.412 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU024711.D
 Acq: 18 Jun 2018 23:53

Tgt Ion:225 Resp: 29499
 Ion Ratio Lower Upper
 225 100
 223 61.3 31.3 93.8
 227 62.6 31.8 95.4





#95

Naphthalene

Concen: 23.993 ug/l

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU024711.D

Acq: 18 Jun 2018 23:53

Instrument :

MSVOA_U

ClientSampleId :

VU0618WBS02

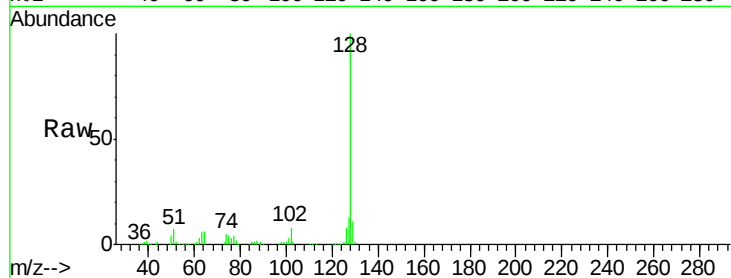
Tgt Ion:128 Resp: 222721

Ion Ratio Lower Upper

128 100

127 13.4 10.6 16.0

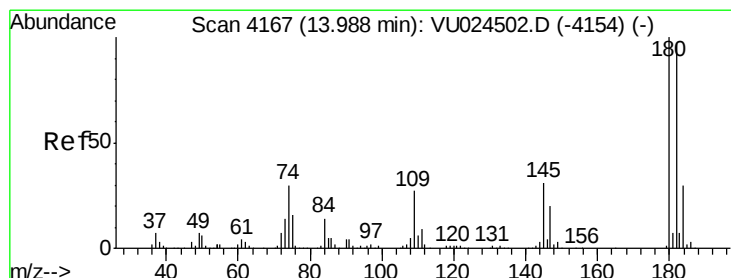
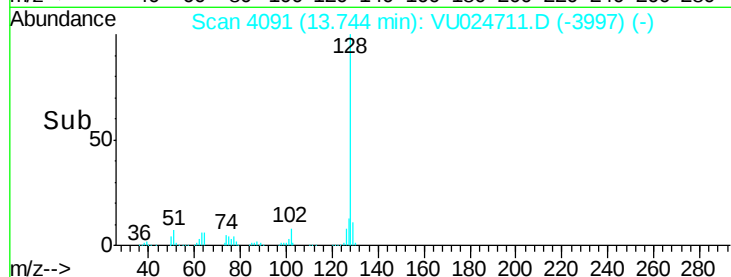
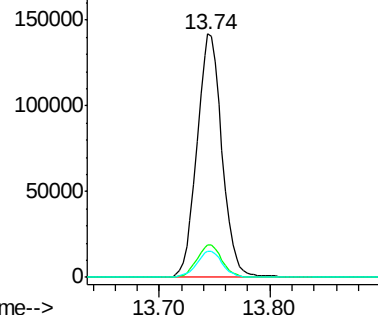
129 10.9 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 23.484 ug/l

RT: 13.99 min Scan# 4167

Delta R.T. 0.00 min

Lab File: VU024711.D

Acq: 18 Jun 2018 23:53

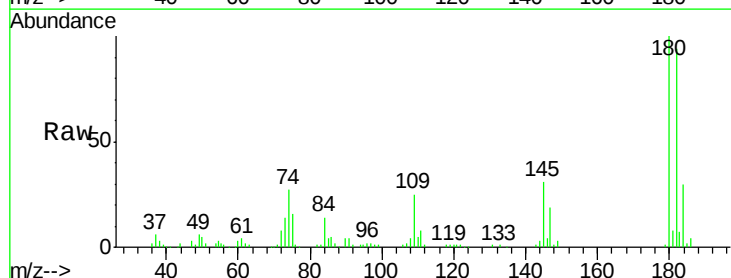
Tgt Ion:180 Resp: 66609

Ion Ratio Lower Upper

180 100

182 95.0 47.9 143.7

145 30.5 15.4 46.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

